

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX042519\
 Data File : VX009173.D
 Acq On : 25 Apr 2019 19:27
 Operator : JC/SP
 Sample : K2535-03MSD
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 S37-0016MSD

Manual Integrations
 APPROVED

Quant Time: Apr 26 07:36:02 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X041519W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 17 06:47:58 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	187739	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	306250	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	277556	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	133965	50.00	ug/l	0.00

System Monitoring Compounds

MMdadoda

33) 1,2-Dichloroethane-d4	6.06	65	131644	49.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.52%	
35) Dibromofluoromethane	5.50	113	97094	49.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.80%	
50) Toluene-d8	8.71	98	388816	49.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.20%	
62) 4-Bromofluorobenzene	11.13	95	143467	51.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.70%	

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Target Compounds

Qvalue

2) Dichlorodifluoromethane	1.20	85	105488	48.783	ug/l	99
3) Chloromethane	1.32	50	127183	47.908	ug/l	99
4) Vinyl Chloride	1.40	62	123488	47.792	ug/l	99
5) Bromomethane	1.64	94	72799	45.378	ug/l	98
6) Chloroethane	1.71	64	74172	48.817	ug/l	100
7) Trichlorofluoromethane	1.92	101	144343	47.847	ug/l	100
8) Diethyl Ether	2.19	74	65472	47.455	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.37	101	89425	46.362	ug/l	100
10) Methyl Iodide	2.51	142	101754	48.404	ug/l	99
11) Tert butyl alcohol	3.06	59	153192	260.845	ug/l	99
12) 1,1-Dichloroethene	2.37	96	92076	45.734	ug/l	99
13) Acrolein	2.29	56	113990	224.636	ug/l	99
14) Allyl chloride	2.72	41	213778	48.670	ug/l	99
15) Acrylonitrile	3.14	53	385842	258.810	ug/l	100
16) Acetone	2.45	43	333626	243.161	ug/l	98
17) Carbon Disulfide	2.56	76	266363	45.148	ug/l	99
18) Methyl Acetate	2.78	43	151018	44.102	ug/l	100
19) Methyl tert-butyl Ether	3.20	73	349777	48.759	ug/l	100
20) Methylene Chloride	2.85	84	110637	47.153	ug/l	97
21) trans-1,2-Dichloroethene	3.16	96	98034	45.652	ug/l	96
22) Diisopropyl ether	3.86	45	421232	49.353	ug/l	# 87
23) Vinyl Acetate	3.82	43	1630603	217.335	ug/l	99
24) 1,1-Dichloroethane	3.70	63	203756	47.557	ug/l	100
25) 2-Butanone	4.68	43	571984	260.809	ug/l	99
26) 2,2-Dichloropropane	4.59	77	119611	37.243	ug/l	100
27) cis-1,2-Dichloroethene	4.59	96	114143	46.816	ug/l	98
28) Bromochloromethane	5.01	49	87520	49.146	ug/l	100
29) Tetrahydrofuran	5.13	42	378584	257.910	ug/l	99
30) Chloroform	5.21	83	186257	48.580	ug/l	100
31) Cyclohexane	5.58	56	200470	47.572	ug/l	98
32) 1,1,1-Trichloroethane	5.49	97	153565	48.327	ug/l	99
36) 1,1-Dichloropropene	5.80	75	142065	44.854	ug/l	99
37) Ethyl Acetate	4.84	43	185942	45.623	ug/l	99
38) Carbon Tetrachloride	5.78	117	129713	48.308	ug/l	100

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Manual Integrations
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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	185756	48.169	ug/l	99
40) Benzene	6.14	78	444629	47.586	ug/l	99
41) Methacrylonitrile	5.04	41	119827	51.228	ug/l	99
42) 1,2-Dichloroethane	6.19	62	158624	47.924	ug/l	99
43) Isopropyl Acetate	6.45	43	304247	46.324	ug/l	99
44) Trichloroethene	7.21	130	101514	44.341	ug/l	97
45) 1,2-Dichloropropane	7.51	63	127324	49.118	ug/l	98
46) Dibromomethane	7.66	93	71402	47.330	ug/l	100
47) Bromodichloromethane	7.90	83	144730	48.914	ug/l	100
48) Methyl methacrylate	7.77	41	165335	50.947	ug/l	99
49) 1,4-Dioxane	7.74	88	57734	950.504	ug/l	99
51) 4-Methyl-2-Pentanone	8.64	43	1128178	269.629	ug/l	99
52) Toluene	8.79	92	268299	47.912	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	160961	47.268	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	178391	46.785	ug/l	100
55) 1,1,2-Trichloroethane	9.21	97	109590	49.378	ug/l	98
56) Ethyl methacrylate	9.18	69	203580	51.156	ug/l	98
57) 1,3-Dichloropropane	9.37	76	193185	48.888	ug/l	100
59) 2-Hexanone	9.49	43	871912	270.283	ug/l	100
60) Dibromochloromethane	9.58	129	107863	50.709	ug/l	99
61) 1,2-Dibromoethane	9.67	107	111166	48.531	ug/l	99
64) Tetrachloroethene	9.34	164	88259	41.858	ug/l	98
65) Chlorobenzene	10.14	112	273711	46.721	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	99981	48.444	ug/l	99
67) Ethyl Benzene	10.25	91	509767	47.600	ug/l	99
68) m/p-Xylenes	10.36	106	373814	96.044	ug/l	99
69) o-Xylene	10.70	106	183266	48.393	ug/l	99
70) Stvrene	10.71	104	319782	48.727	ug/l	99
71) Bromoform	10.85	173	83041	50.504	ug/l	# 100
73) Isopropylbenzene	11.02	105	487345	47.993	ug/l	100
74) N-amyl acetate	10.90	43	260781	44.728	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	185003	49.863	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	181460m	55.473	ug/l	
77) Bromobenzene	11.26	156	120475	47.023	ug/l	99
78) n-propylbenzene	11.36	91	562578	48.269	ug/l	100
79) 2-Chlorotoluene	11.42	91	338704	48.226	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	411442	48.285	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	58579	45.974	ug/l	97
82) 4-Chlorotoluene	11.51	91	387716	47.533	ug/l	100
83) tert-Butylbenzene	11.77	119	399639	48.849	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	414692	47.810	ug/l	100
85) sec-Butylbenzene	11.94	105	471202	48.292	ug/l	99
86) p-Isopropyltoluene	12.06	119	428710	47.790	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	210844	47.020	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	209272	46.038	ug/l	99
89) n-Butylbenzene	12.38	91	386243	46.232	ug/l	99
90) Hexachloroethane	12.60	117	73127	49.419	ug/l	100
91) 1,2-Dichlorobenzene	12.39	146	214764	48.502	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	41871	49.566	ug/l	100
93) 1,2,4-Trichlorobenzene	13.65	180	147315	46.088	ug/l	99

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ClientSampleId :
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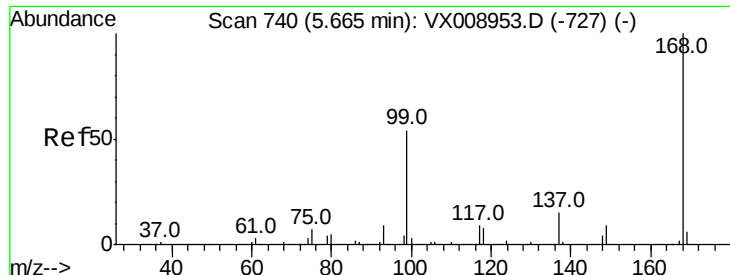
Manual Integrations
APPROVED

Quant Time: Apr 26 07:36:02 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X041519W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 17 06:47:58 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.78	225	73499	46.104	ug/l	100
95) Naphthalene	13.83	128	499068	48.734	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	147925	46.904	ug/l	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed MMdadoda

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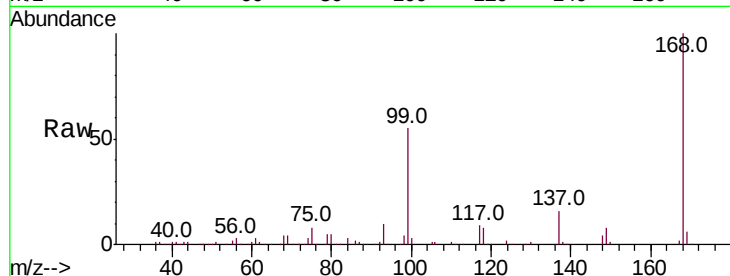


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.67 min Scan# 740
Delta R.T. -0.00 min
Lab File: VX009173.D
Acq: 25 Apr 2019 19:27

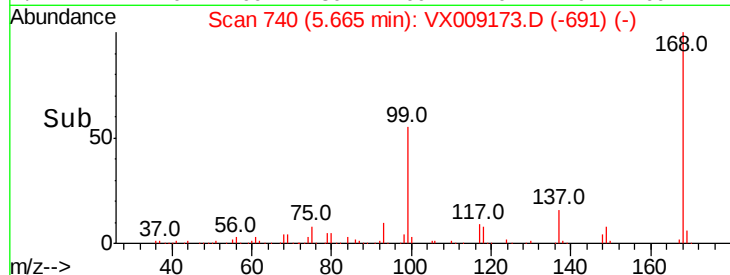
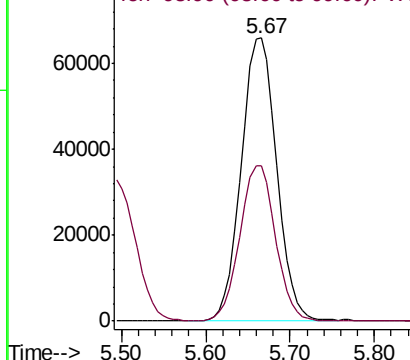
Instrument :
MSVOA_X
ClientSampleId :
S37-0016MSD

Tot Ion	Ratio	Lower	Upper
168	100		
99	54.6	43.0	64.6

Manual Integrations
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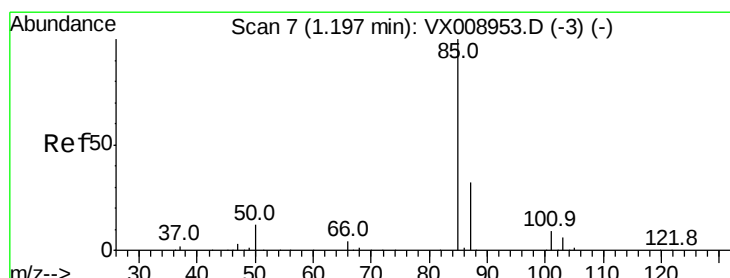


Abundance Ion 167.90 (167.60 to 168.60): V
Ion 98.90 (98.60 to 99.60): VX0



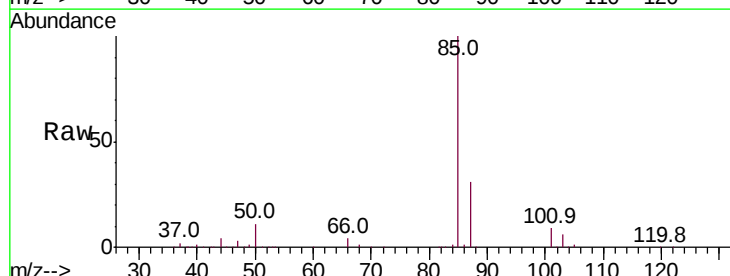
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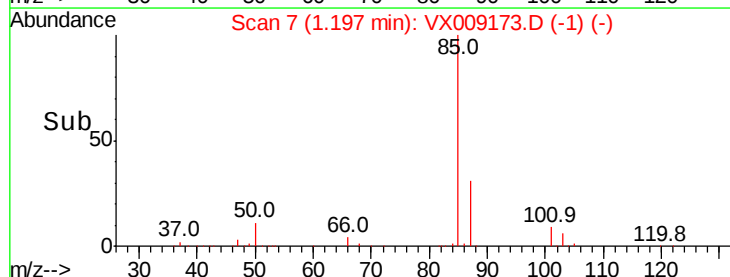
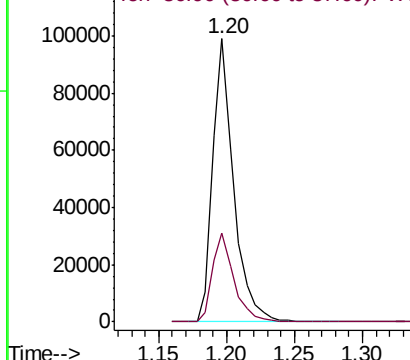


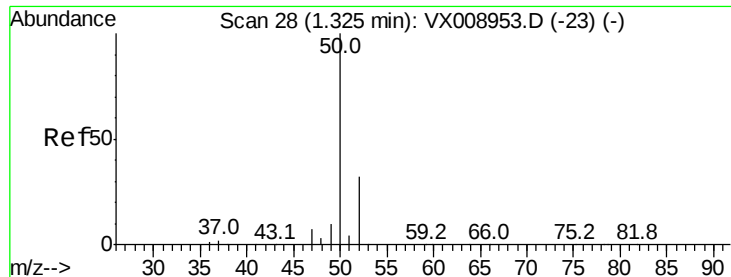
#2
Dichlorodifluoromethane
Concen: 48.783 ug/l
RT: 1.20 min Scan# 7
Delta R.T. -0.00 min
Lab File: VX009173.D
Acq: 25 Apr 2019 19:27

Tgt Ion	Ratio	Lower	Upper
85	100		
87	31.4	16.0	47.9



Abundance Ion 84.90 (84.60 to 85.60): VX0
Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 47.908 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX009173.D

Acq: 25 Apr 2019 19:27

Instrument :

MSVOA_X

ClientSampleId :

S37-0016MSD

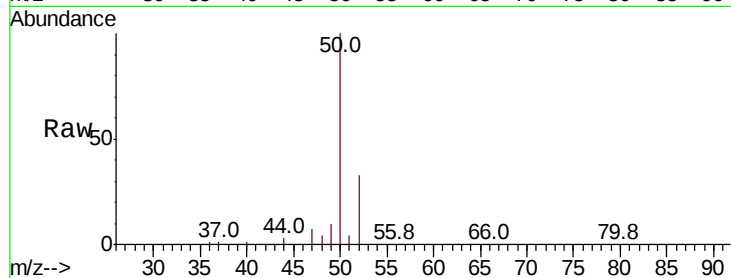
Tot Ion: 50 Resp: 127183

Ion Ratio Lower Upper

50 100

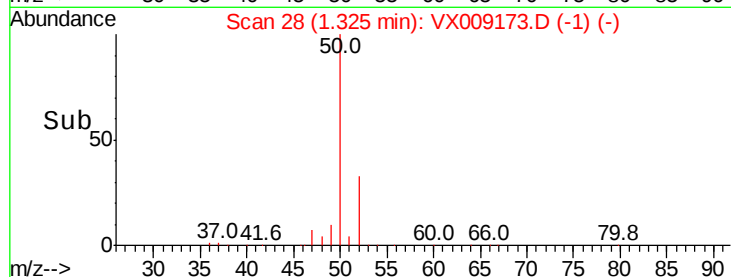
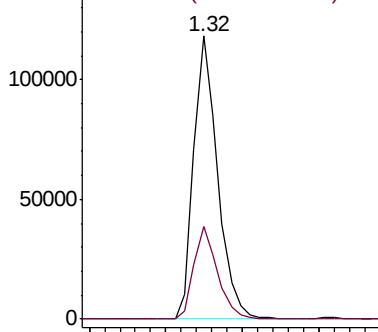
52 32.6 25.5 38.3

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Abundance Ion 49.90 (49.60 to 50.60): VX0

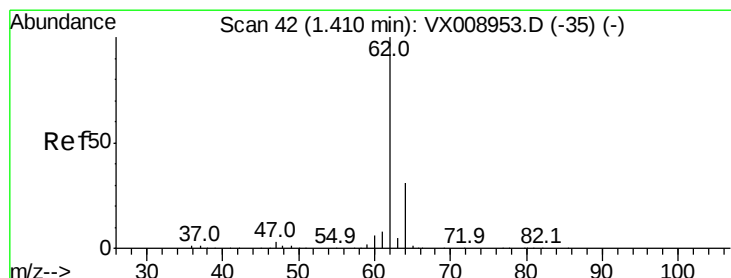
Ion 51.90 (51.60 to 52.60): VX0



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Time-->



#4

Vinyl Chloride

Concen: 47.792 ug/l

RT: 1.40 min Scan# 41

Delta R.T. -0.01 min

Lab File: VX009173.D

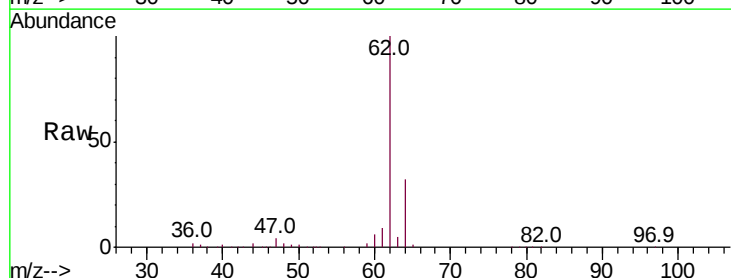
Acq: 25 Apr 2019 19:27

Tgt Ion: 62 Resp: 123488

Ion Ratio Lower Upper

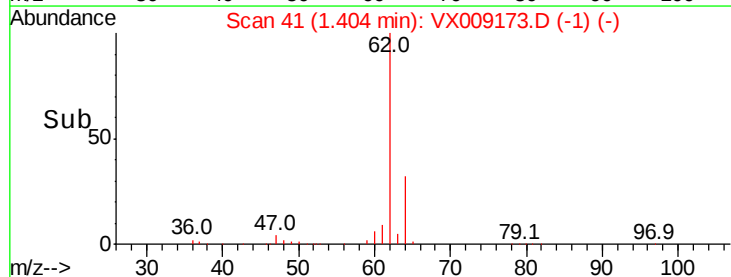
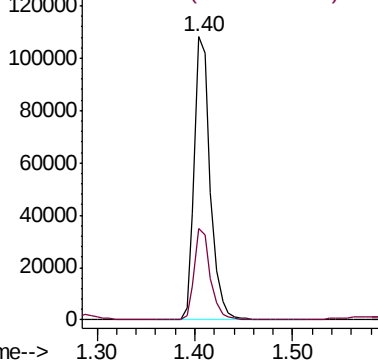
62 100

64 32.0 25.0 37.4

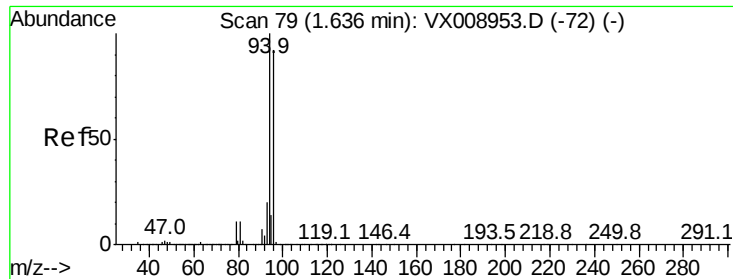


Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0



Time-->



#5

Bromomethane

Concen: 45.378 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX009173.D

Acq: 25 Apr 2019 19:27

Tot Ion: 94 Resp: 72799

Ion Ratio Lower Upper

94 100

96 94.2 73.9 110.9

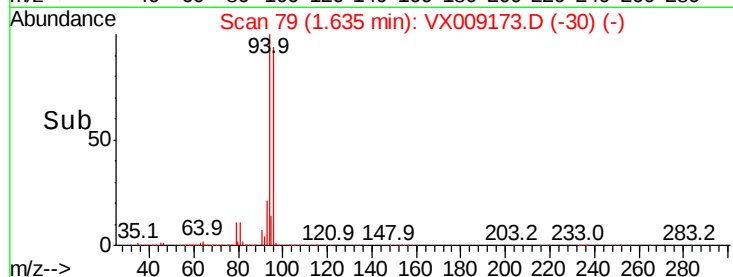
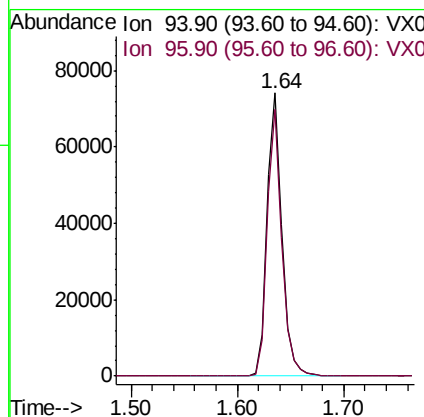
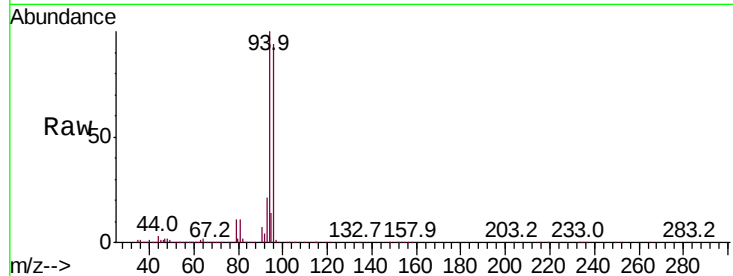
Instrument :

MSVOA_X

ClientSampleId :

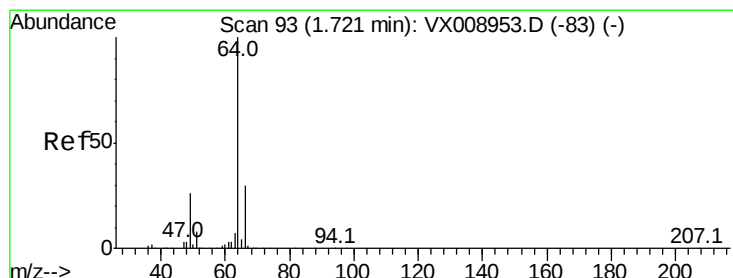
S37-0016MSD

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#6

Chloroethane

Concen: 48.817 ug/l

RT: 1.71 min Scan# 91

Delta R.T. -0.01 min

Lab File: VX009173.D

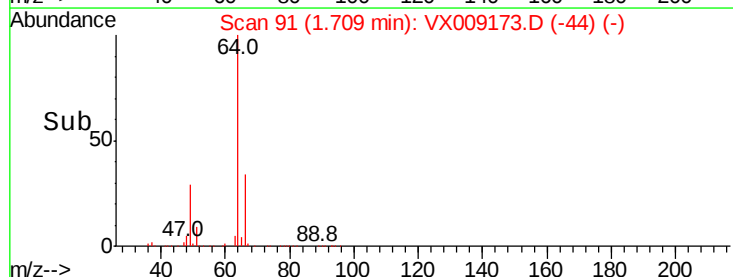
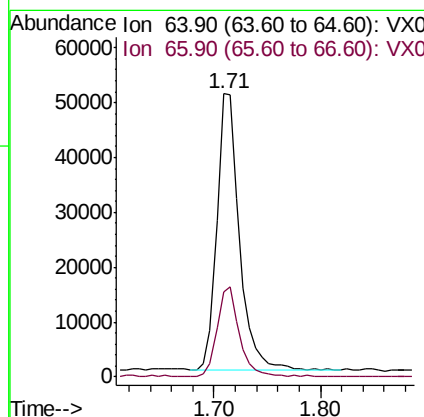
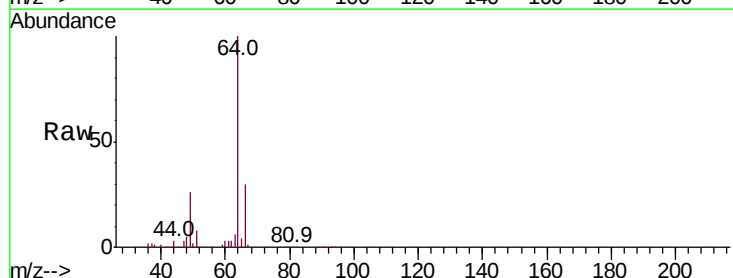
Acq: 25 Apr 2019 19:27

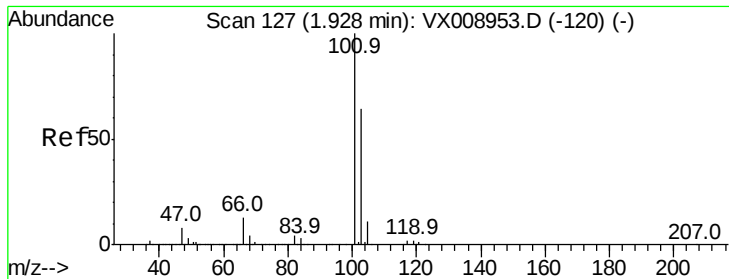
Tgt Ion: 64 Resp: 74172

Ion Ratio Lower Upper

64 100

66 30.3 24.2 36.2





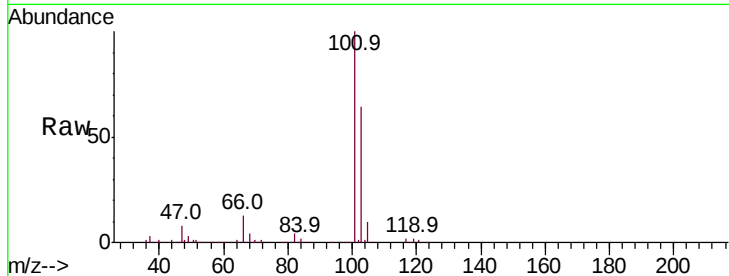
#7

Trichlorofluoromethane
Concen: 47.847 ug/l
RT: 1.92 min Scan# 126
Delta R.T. -0.01 min
Lab File: VX009173.D
Acq: 25 Apr 2019 19:27

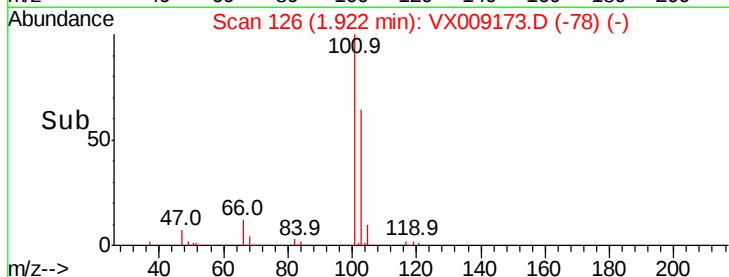
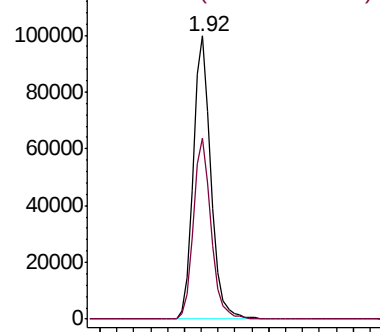
Instrument :
MSVOA_X
ClientSampled :
S37-0016MSD

Tot Ion	Ratio	Resp	Lower	Upper
101	100	144343		
103	64.2	51.0	76.6	

Manual Integrations
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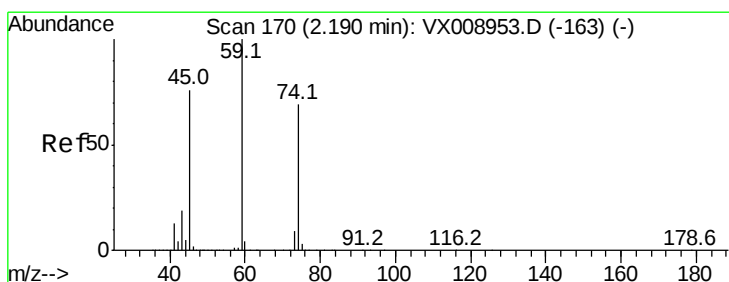


Abundance Ion 100.90 (100.60 to 101.60): V
Ion 102.80 (102.50 to 103.50): V



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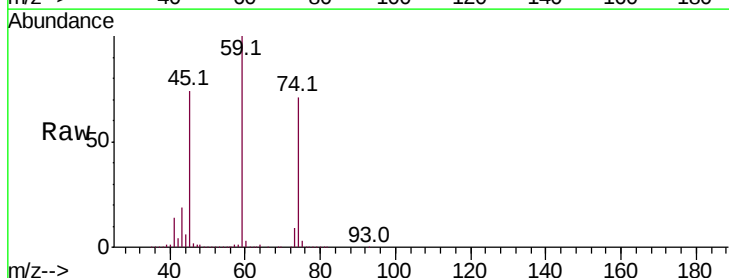
4/26/2019 10:05:31 AM



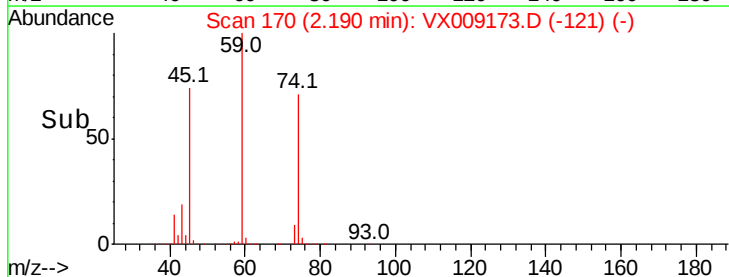
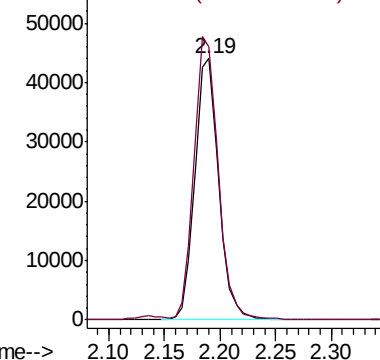
#8

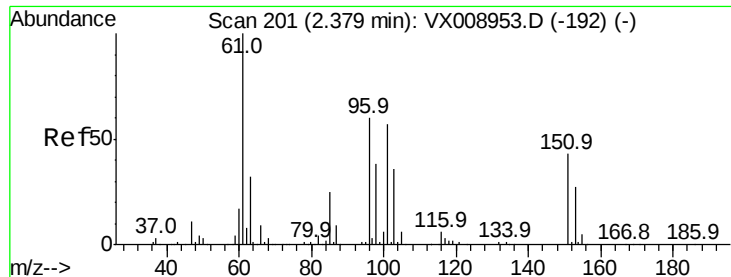
Diethyl Ether
Concen: 47.455 ug/l
RT: 2.19 min Scan# 170
Delta R.T. -0.00 min
Lab File: VX009173.D
Acq: 25 Apr 2019 19:27

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	65472		
45	109.1	54.9	164.8	



Abundance Ion 74.00 (73.70 to 74.70): VX0
Ion 45.00 (44.70 to 45.70): VX0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.362 ug/l

RT: 2.37 min Scan# 200

Delta R.T. -0.01 min

Lab File: VX009173.D

Acq: 25 Apr 2019 19:27

Instrument :

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ClientSampleId :

S37-0016MSD

Tot Ion:101 Resp: 89425

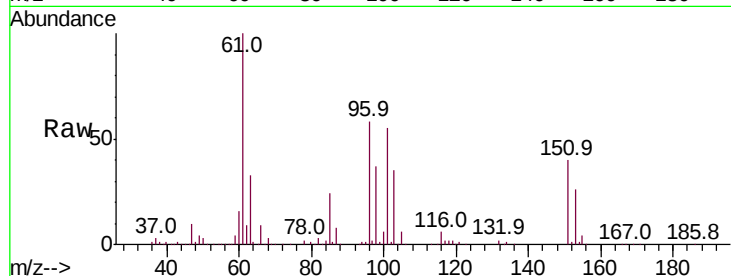
Ion Ratio Lower Upper

101 100

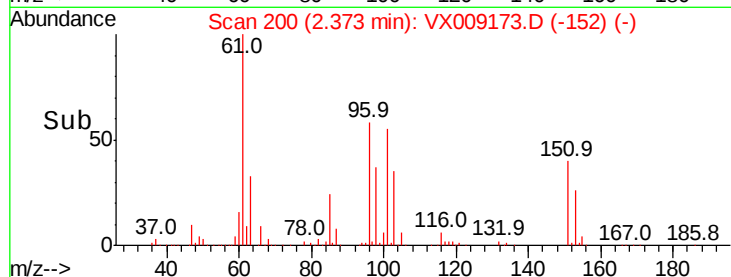
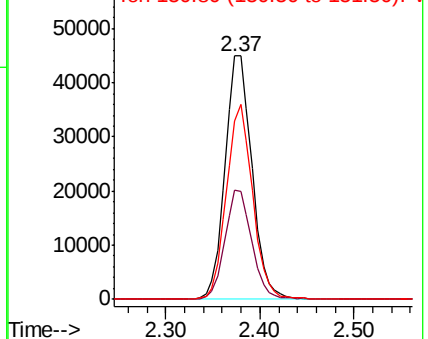
85 44.7 35.7 53.5

151 77.9 62.7 94.1

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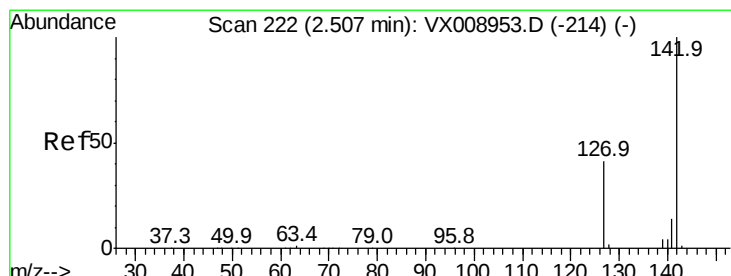


Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): VX0
Ion 150.80 (150.50 to 151.50): V



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#10

Methyl Iodide

Concen: 48.404 ug/l

RT: 2.51 min Scan# 222

Delta R.T. 0.00 min

Lab File: VX009173.D

Acq: 25 Apr 2019 19:27

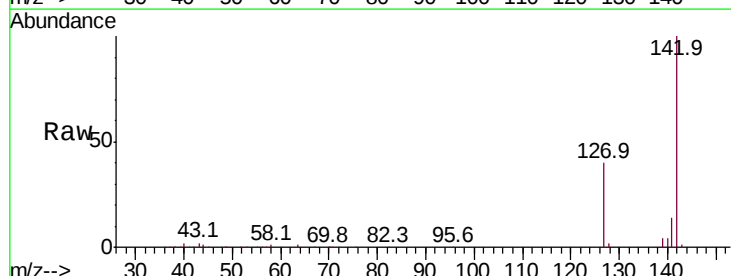
Tgt Ion:142 Resp: 101754

Ion Ratio Lower Upper

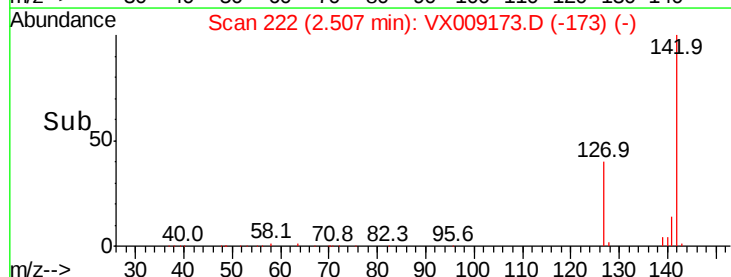
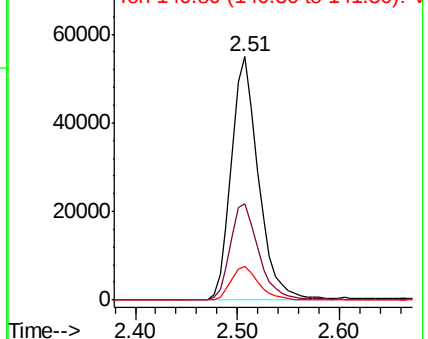
142 100

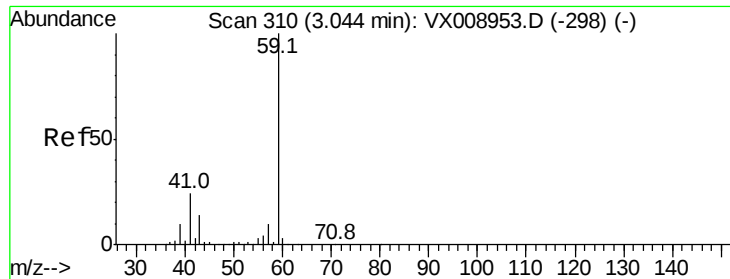
127 41.5 32.8 49.2

141 14.2 11.4 17.2



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V



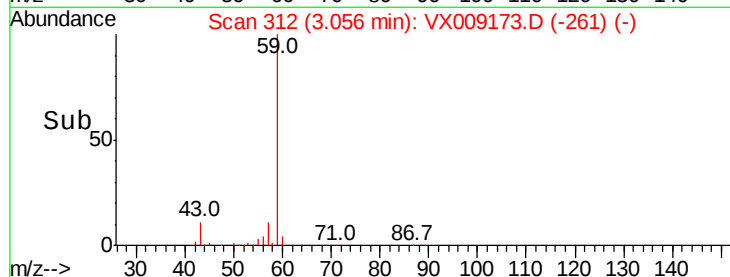
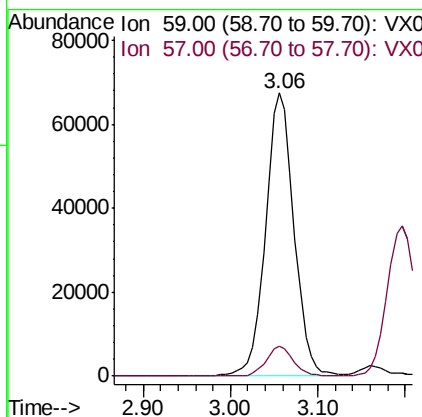
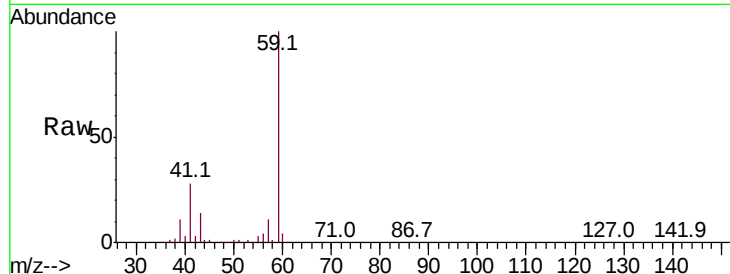


#11
Tert butyl alcohol
Concen: 260.845 ug/l
RT: 3.06 min Scan# 312
Delta R.T. 0.01 min
Lab File: VX009173.D
Acq: 25 Apr 2019 19:27

Instrument :
MSVOA_X
ClientSampled :
S37-0016MSD

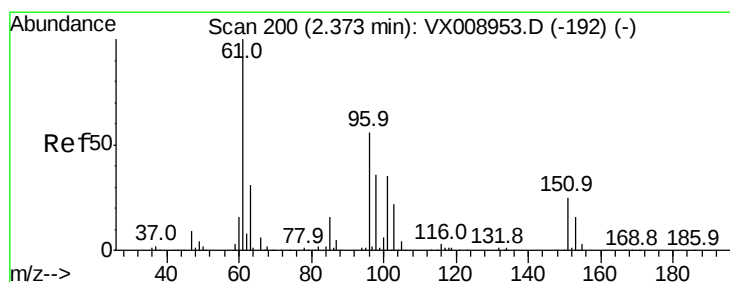
Tot Ion: 59 Resp: 153192
Ion Ratio Lower Upper
59 100
57 10.2 8.4 12.6

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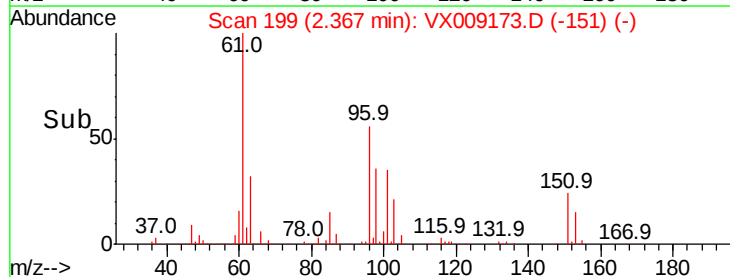
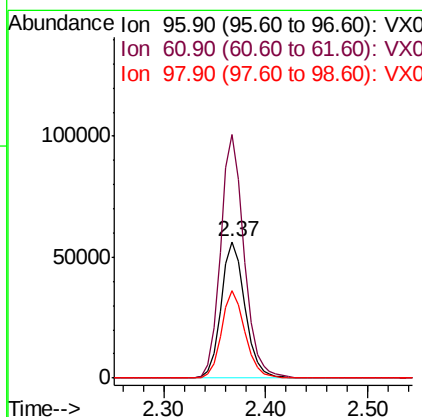
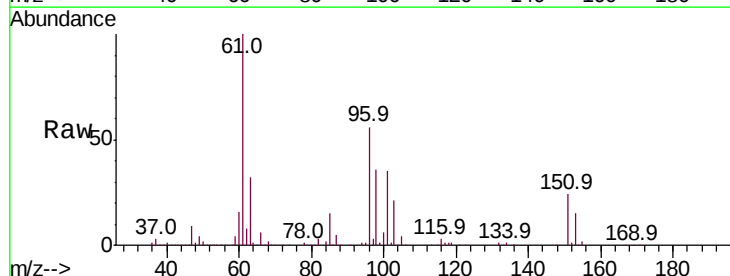
MMdadoda

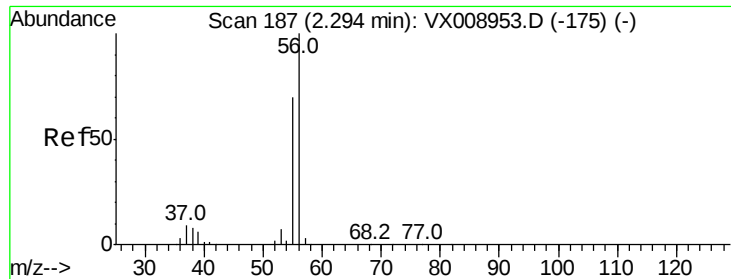
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#12
1,1-Dichloroethene
Concen: 45.734 ug/l
RT: 2.37 min Scan# 199
Delta R.T. -0.01 min
Lab File: VX009173.D
Acq: 25 Apr 2019 19:27

Tgt Ion: 96 Resp: 92076
Ion Ratio Lower Upper
96 100
61 178.3 142.2 213.2
98 64.2 50.9 76.3





#13

Acrolein

Concen: 224.636 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX009173.D

Acq: 25 Apr 2019 19:27

Instrument :

MSVOA_X

ClientSampled :

S37-0016MSD

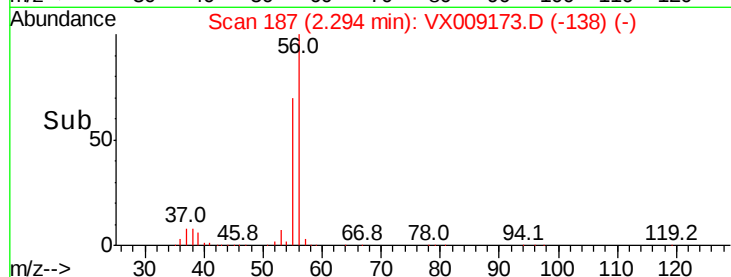
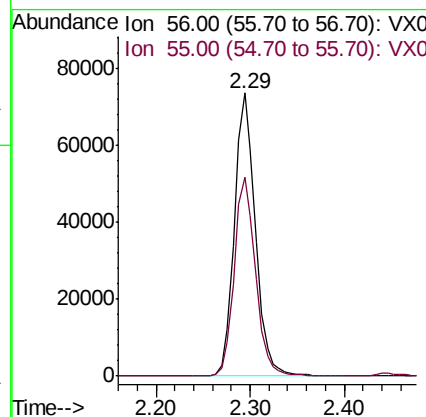
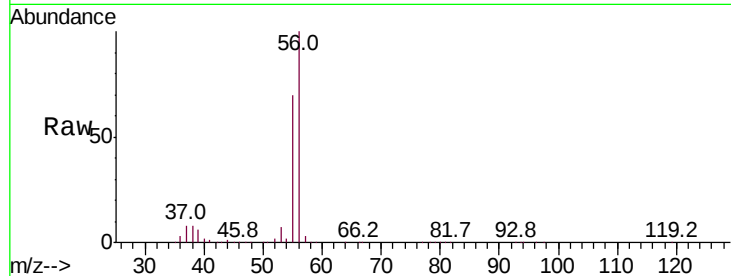
Tot Ion: 56 Resp: 113990

Ion Ratio Lower Upper

56 100

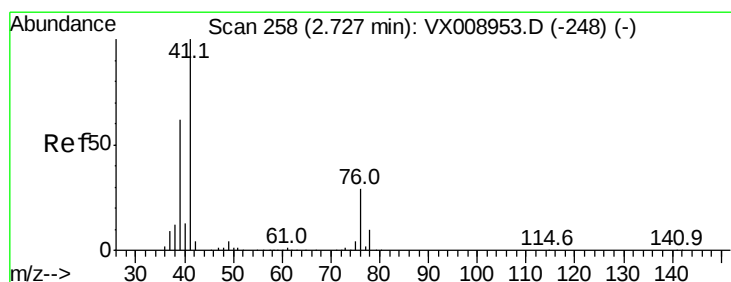
55 71.3 56.6 84.8

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#14

Allyl chloride

Concen: 48.670 ug/l

RT: 2.72 min Scan# 257

Delta R.T. -0.01 min

Lab File: VX009173.D

Acq: 25 Apr 2019 19:27

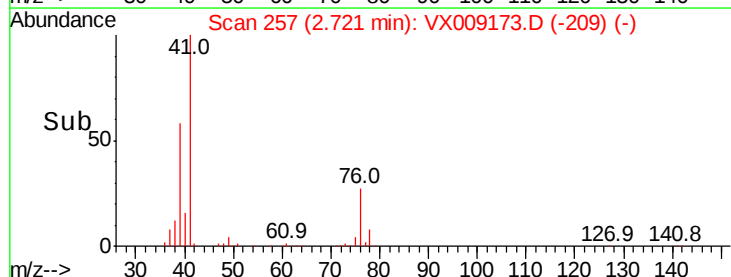
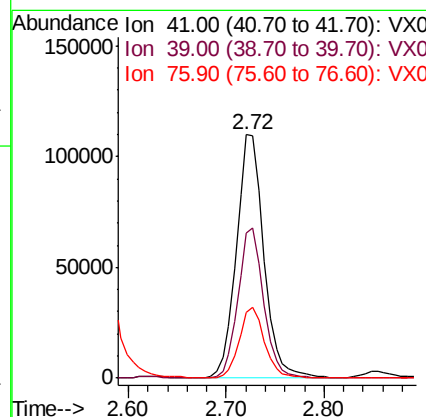
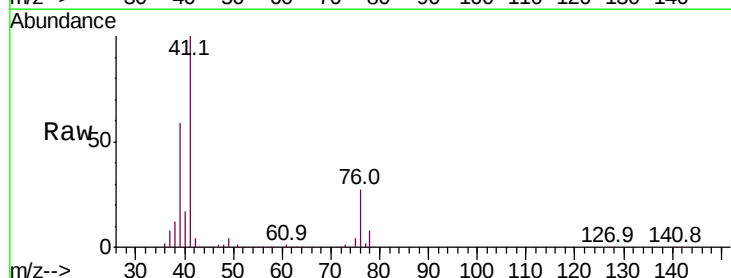
Tgt Ion: 41 Resp: 213778

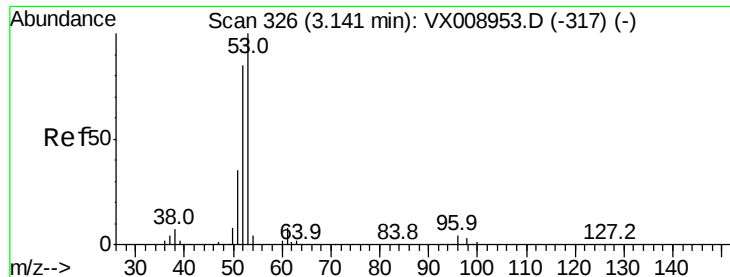
Ion Ratio Lower Upper

41 100

39 57.5 46.7 70.1

76 26.6 22.0 33.0





#15

Acrylonitrile

Concen: 258.810 ug/l

RT: 3.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VX009173.D

Acq: 25 Apr 2019 19:27

Instrument :

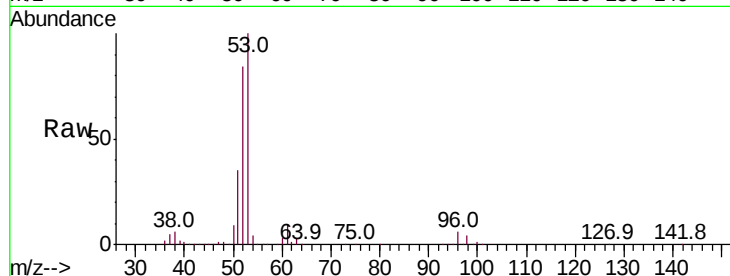
MSVOA_X

ClientSampled :

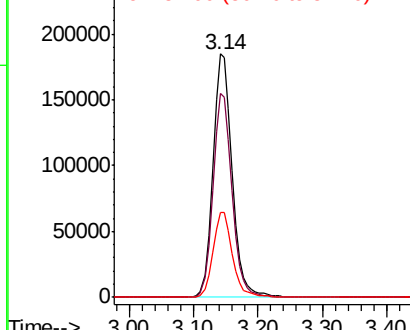
S37-0016MSD

Tot Ion:	53	Resp:	385842
Ion Ratio	Lower	Upper	
53	100		
52	83.2	66.6	100.0
51	35.4	28.3	42.5

Manual Integrations
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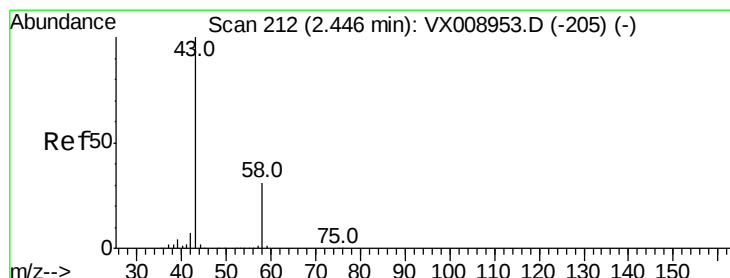
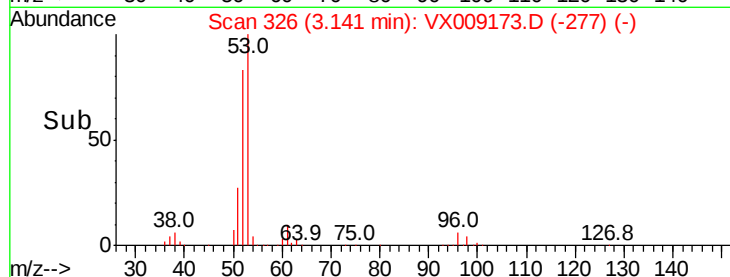


Abundance Ion 53.00 (52.70 to 53.70): VX0
Ion 52.00 (51.70 to 52.70): VX0
Ion 51.00 (50.70 to 51.70): VX0



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#16

Acetone

Concen: 243.161 ug/l

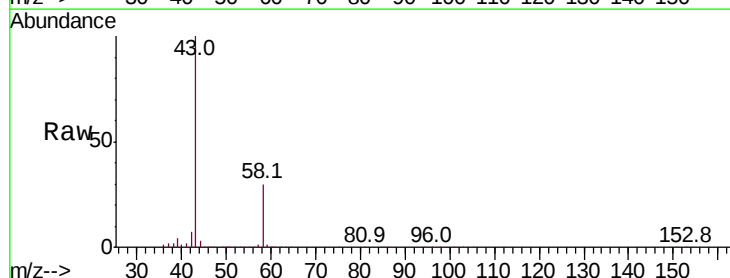
RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

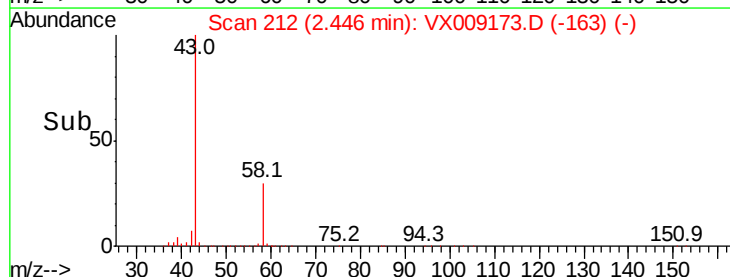
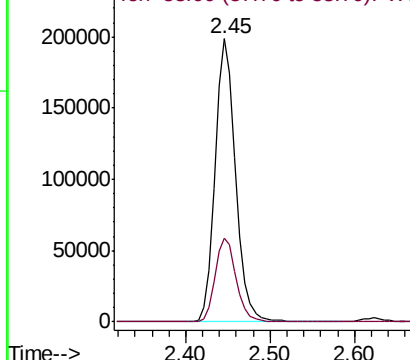
Lab File: VX009173.D

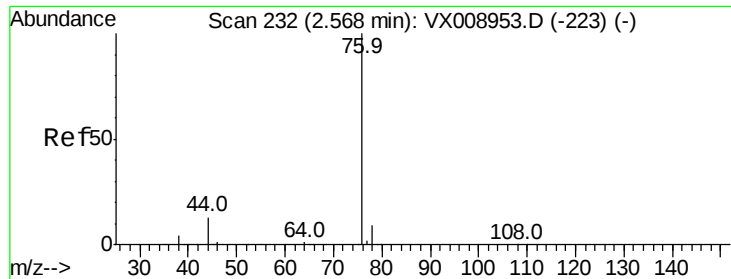
Acq: 25 Apr 2019 19:27

Tgt Ion:	43	Resp:	333626
Ion Ratio	Lower	Upper	
43	100		
58	29.7	24.8	37.2



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0



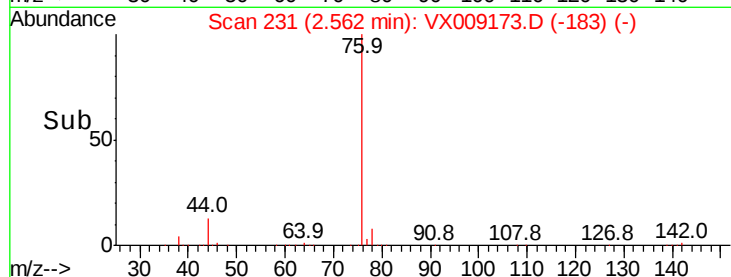
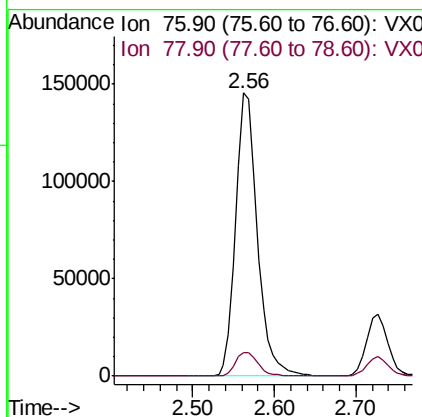
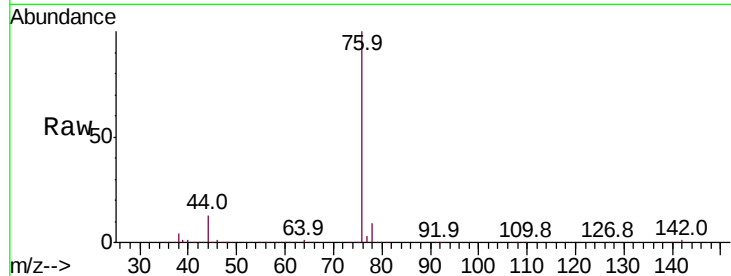


#17
Carbon Disulfide
Concen: 45.148 ug/l
RT: 2.56 min Scan# 231
Delta R.T. -0.01 min
Lab File: VX009173.D
Acq: 25 Apr 2019 19:27

Instrument :
MSVOA_X
ClientSampleId :
S37-0016MSD

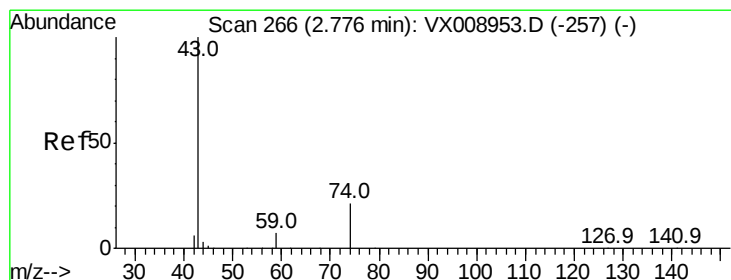
Tot Ion	Ratio	Lower	Upper
76	100		
78	8.5	7.2	10.8

Manual Integrations
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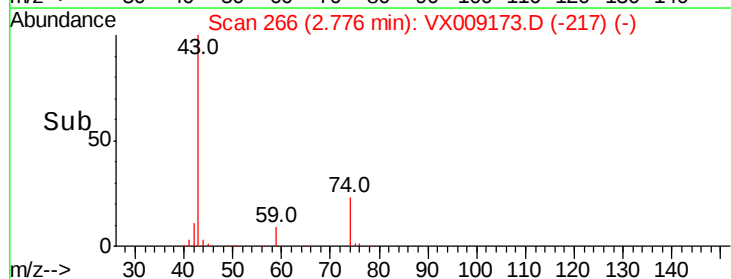
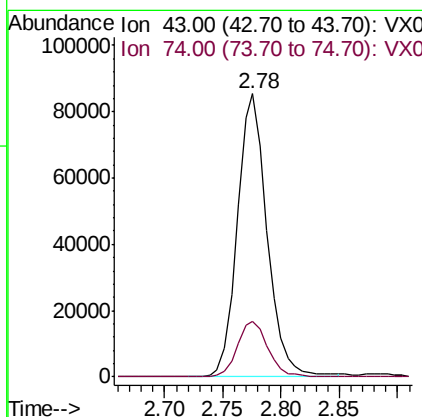
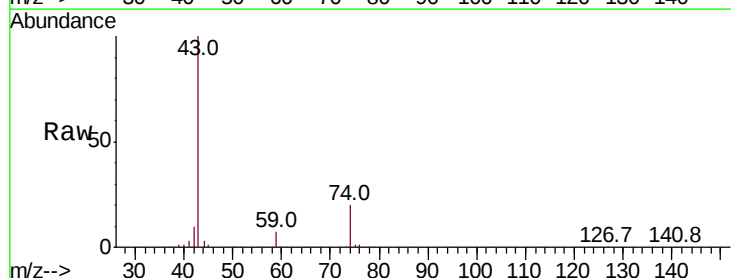
MMdadoda

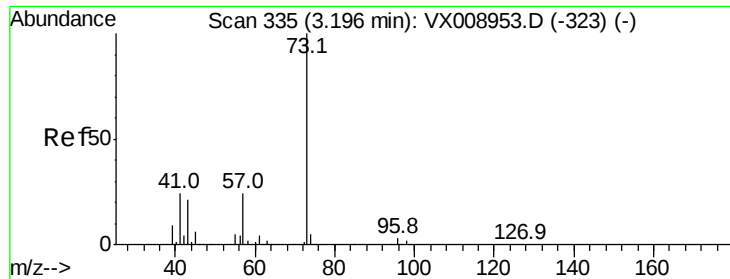
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#18
Methyl Acetate
Concen: 44.102 ug/l
RT: 2.78 min Scan# 266
Delta R.T. -0.00 min
Lab File: VX009173.D
Acq: 25 Apr 2019 19:27

Tgt Ion	Ratio	Lower	Upper
43	100		
74	20.6	16.6	25.0



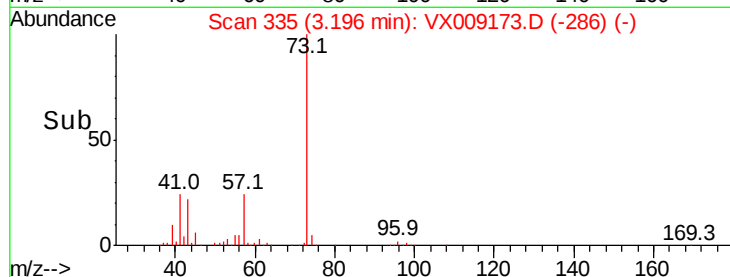
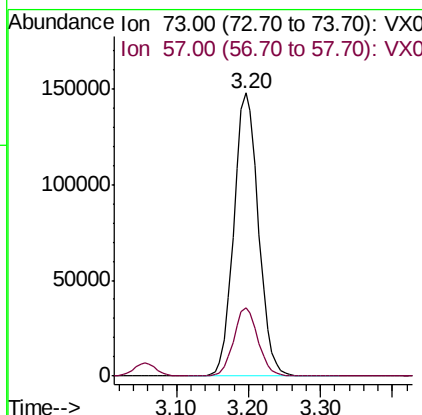
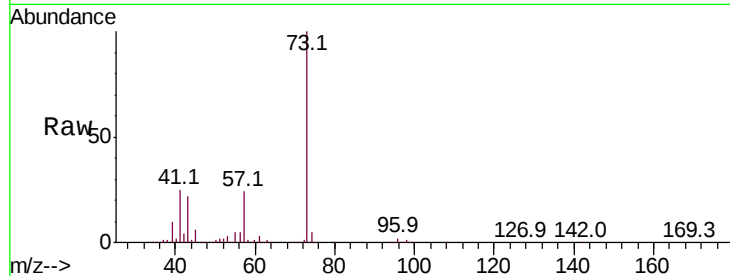


#19
Methvl tert-butvl Ether
Concen: 48.759 ug/l
RT: 3.20 min Scan# 335
Delta R.T. -0.00 min
Lab File: VX009173.D
Acq: 25 Apr 2019 19:27

Instrument :
MSVOA_X
ClientSampleId :
S37-0016MSD

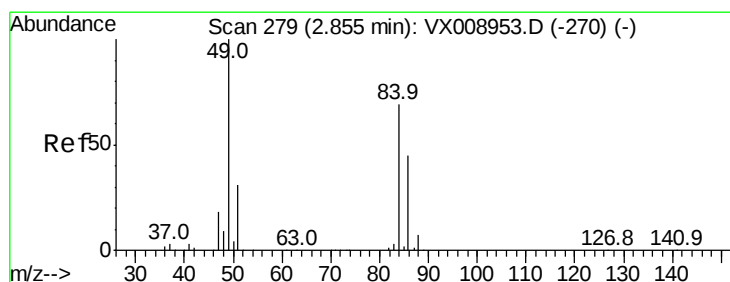
Tot Ion	Ratio	Lower	Upper
73	100		
57	24.2	19.2	28.8

Manual Integrations
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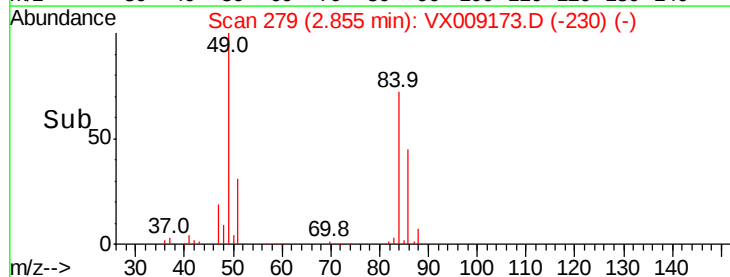
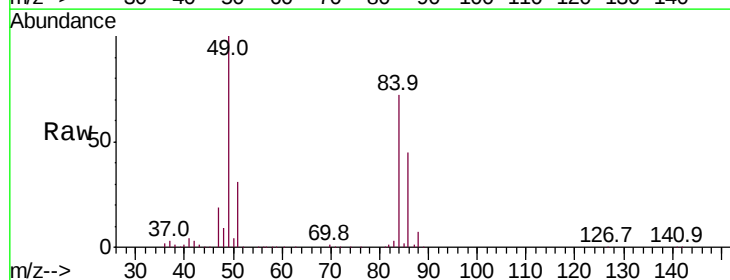
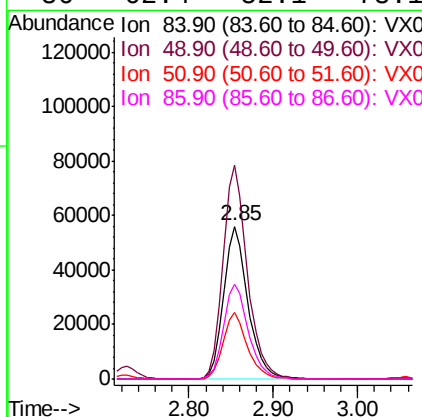
MMdadoda

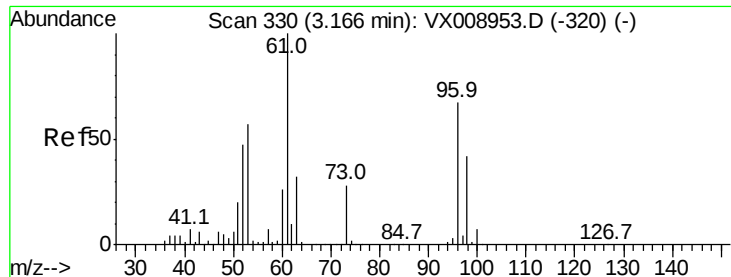
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#20
Methylene Chloride
Concen: 47.153 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.00 min
Lab File: VX009173.D
Acq: 25 Apr 2019 19:27

Tgt Ion	Ratio	Lower	Upper
84	100		
49	139.8	115.4	173.0
51	43.7	35.8	53.6
86	62.4	52.1	78.1





#21

trans-1,2-Dichloroethene

Concen: 45.652 ug/l

RT: 3.16 min Scan# 329

Delta R.T. -0.01 min

Lab File: VX009173.D

Acq: 25 Apr 2019 19:27

Instrument :

MSVOA_X

ClientSampleId :

S37-0016MSD

Tot Ion: 96 Resp: 98034

Ion Ratio Lower Upper

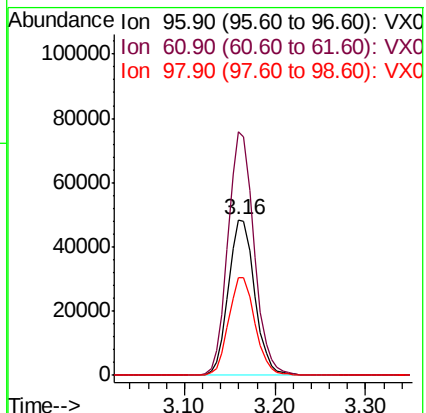
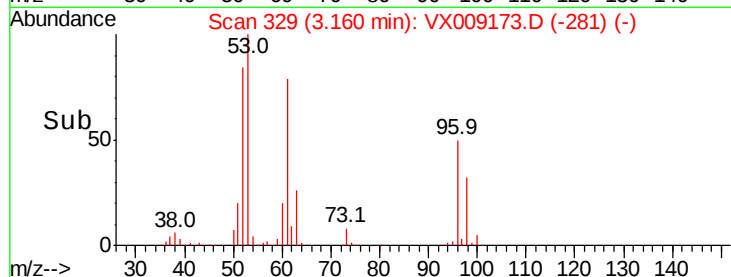
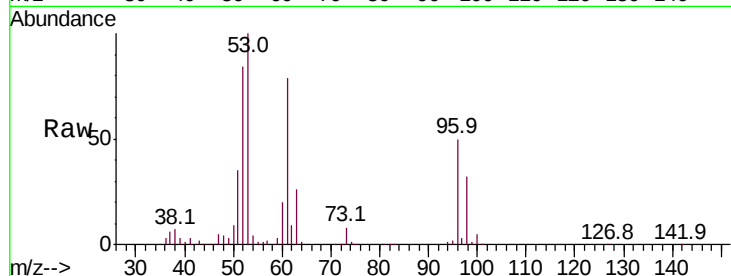
96 100

61 156.6 120.3 180.5

98 63.0 50.2 75.2

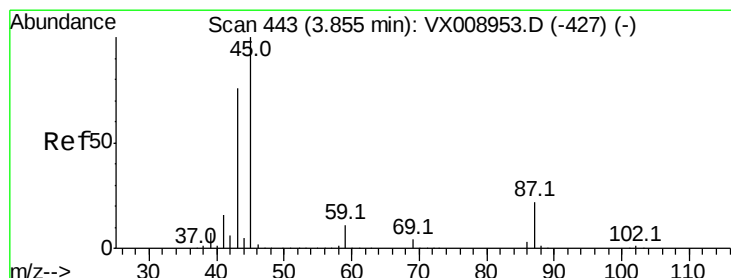
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#22

Diisopropyl ether

Concen: 49.353 ug/l

RT: 3.86 min Scan# 444

Delta R.T. 0.01 min

Lab File: VX009173.D

Acq: 25 Apr 2019 19:27

Tgt Ion: 45 Resp: 421232

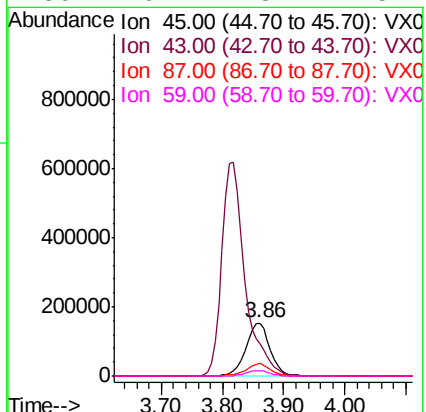
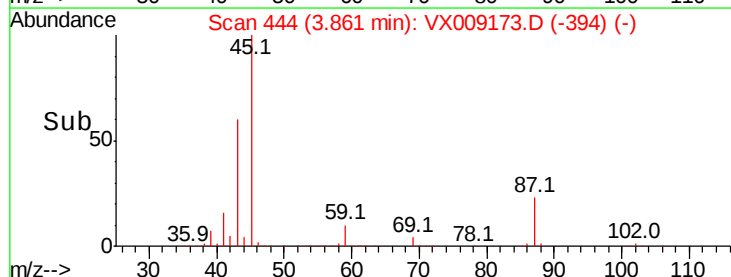
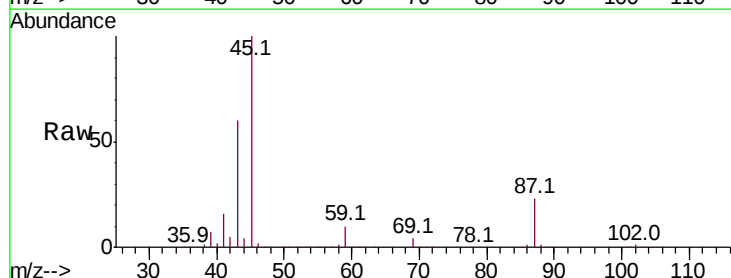
Ion Ratio Lower Upper

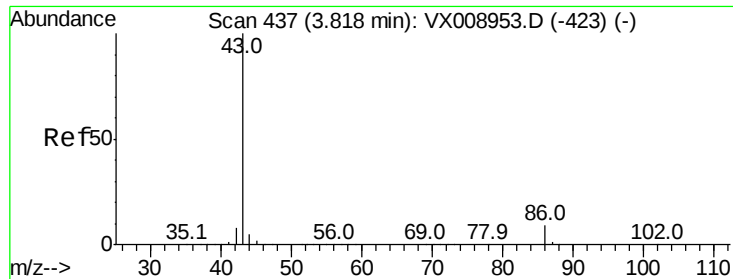
45 100

43 60.0 60.6 91.0#

87 22.9 17.8 26.8

59 10.4 8.7 13.1





#23

Vinyl Acetate

Concen: 217.335 ug/l

RT: 3.82 min Scan# 437

Delta R.T. -0.00 min

Lab File: VX009173.D

Acq: 25 Apr 2019 19:27

Instrument :

MSVOA_X

ClientSampled :

S37-0016MSD

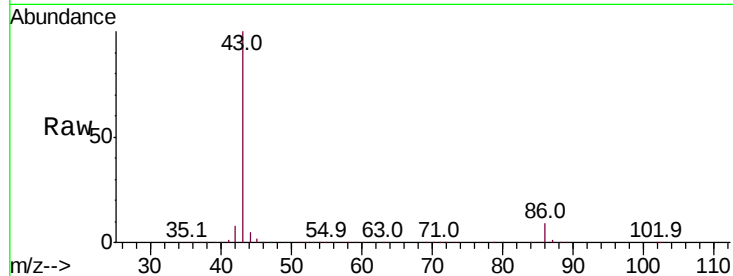
Tot Ion: 43 Resp: 1630603

Ion Ratio Lower Upper

43 100

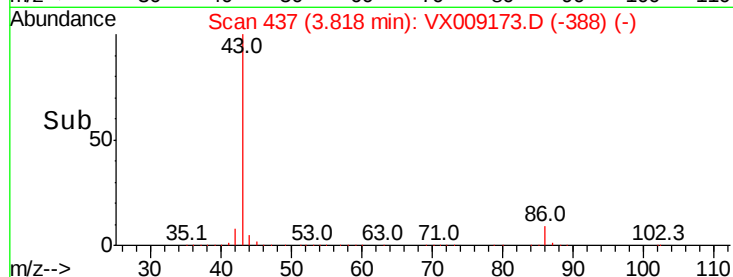
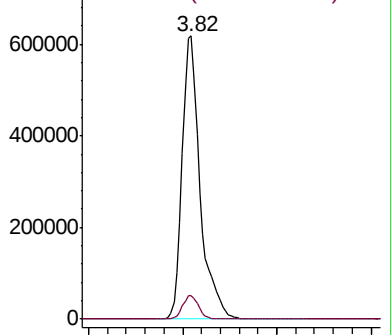
86 8.5 7.1 10.7

Manual Integrations
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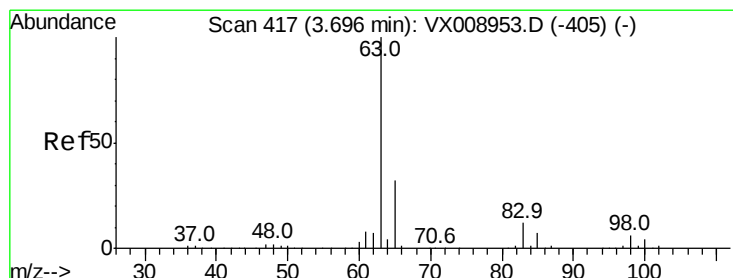
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



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#24

1,1-Dichloroethane

Concen: 47.557 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX009173.D

Acq: 25 Apr 2019 19:27

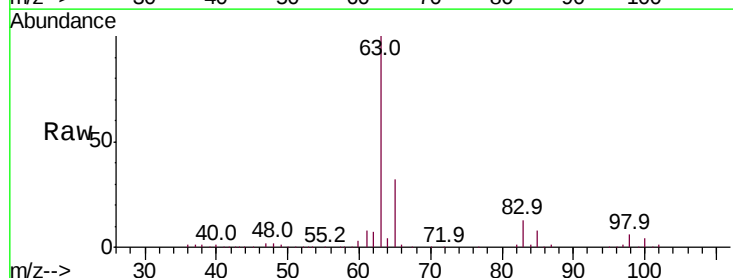
Tgt Ion: 63 Resp: 203756

Ion Ratio Lower Upper

63 100

98 6.1 3.1 9.3

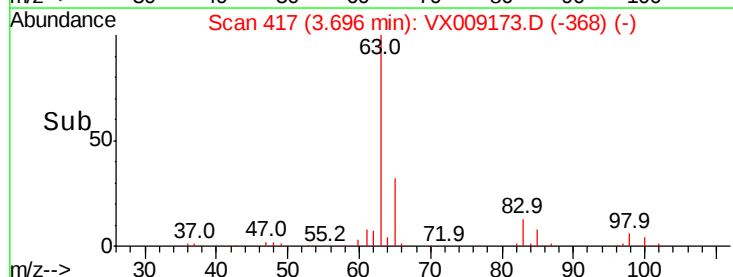
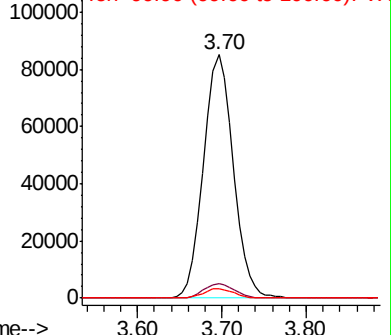
100 3.9 1.9 5.7

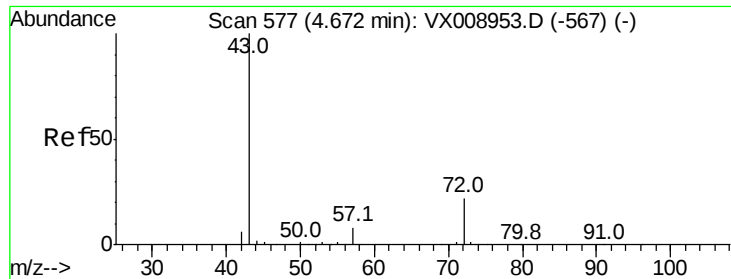


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 260.809 ug/l

RT: 4.68 min Scan# 578

Delta R.T. 0.01 min

Lab File: VX009173.D

Acq: 25 Apr 2019 19:27

Instrument :

MSVOA_X

ClientSampleId :

S37-0016MSD

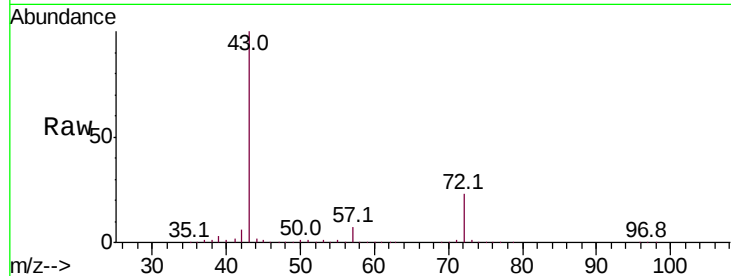
Tot Ion: 43 Resp: 571984

Ion Ratio Lower Upper

43 100

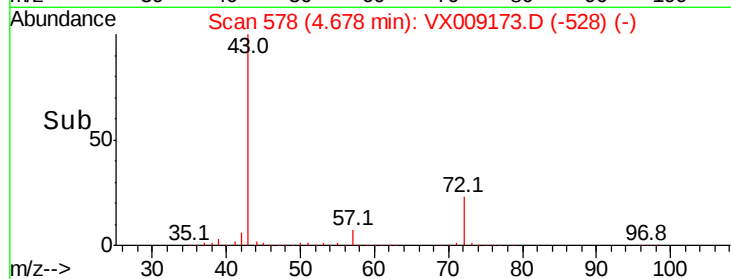
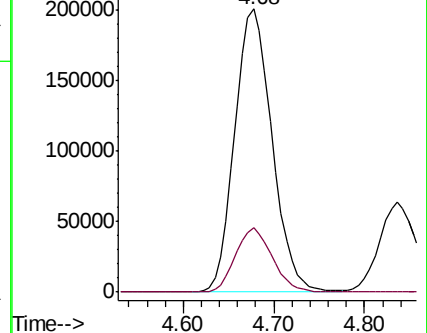
72 22.6 17.5 26.3

Manual Integrations
APPROVED



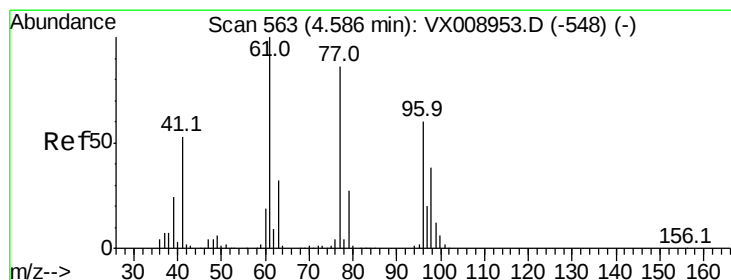
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



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#26

2,2-Dichloropropane

Concen: 37.243 ug/l

RT: 4.59 min Scan# 563

Delta R.T. -0.00 min

Lab File: VX009173.D

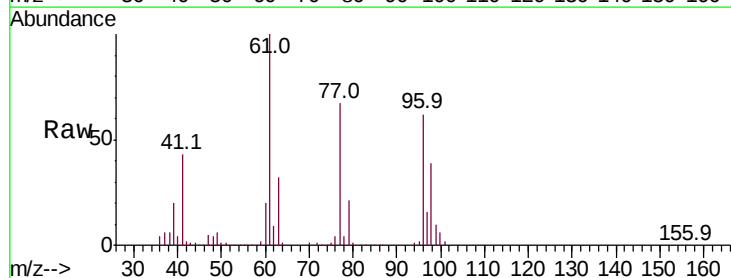
Acq: 25 Apr 2019 19:27

Tgt Ion: 77 Resp: 119611

Ion Ratio Lower Upper

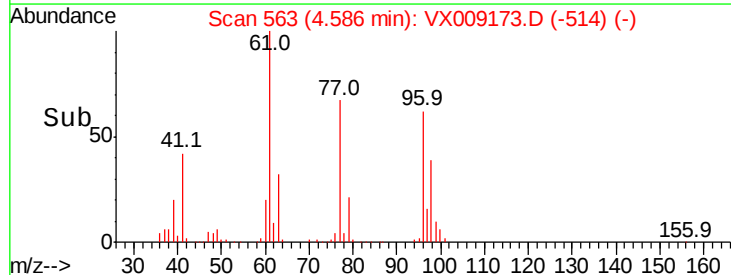
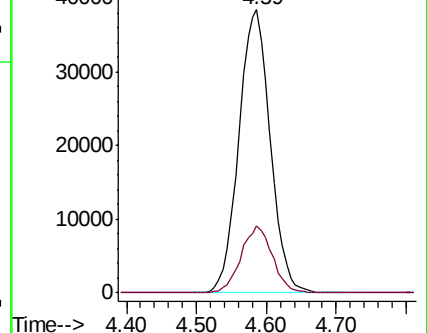
77 100

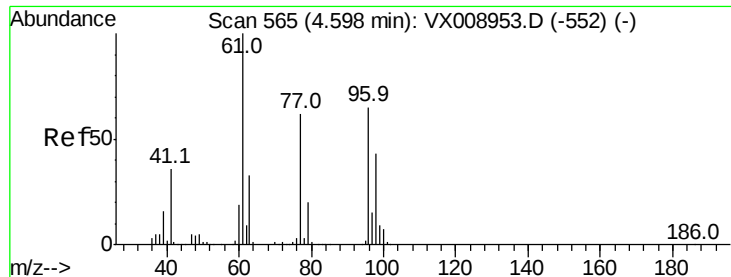
97 23.5 11.7 35.0



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





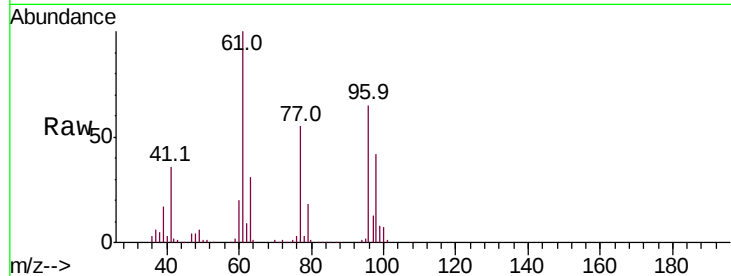
#27

cis-1,2-Dichloroethene
Concen: 46.816 ug/l
RT: 4.59 min Scan# 564
Delta R.T. -0.01 min
Lab File: VX009173.D
Acq: 25 Apr 2019 19:27

Instrument :
MSVOA_X
ClientSampled :
S37-0016MSD

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	157.8	0.0	322.0	
98	64.3	0.0	128.4	

Manual Integrations
APPROVED

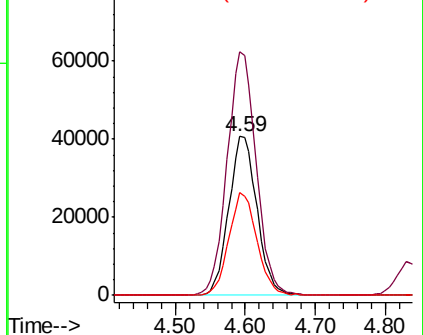


Abundance

Ion 95.90 (95.60 to 96.60): VX0

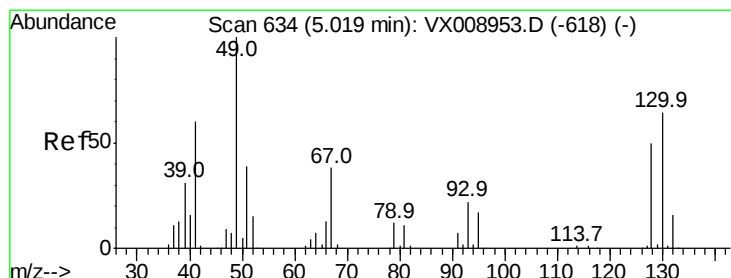
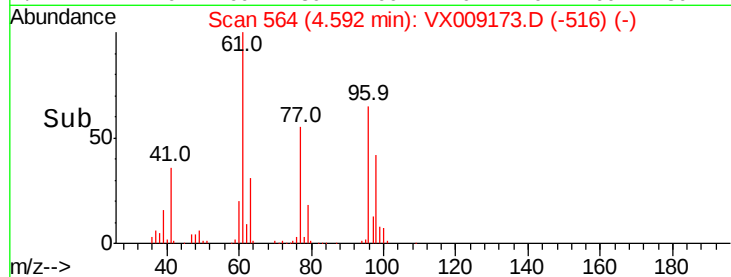
Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



MMdadoda

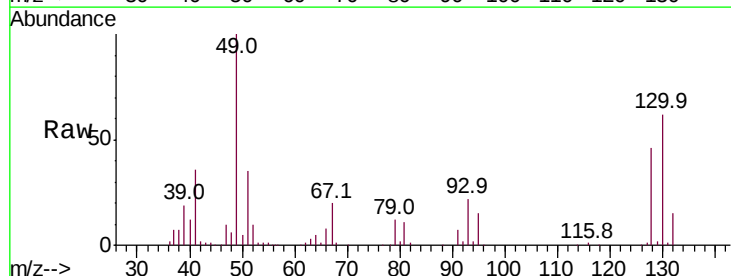
4/26/2019 10:05:31 AM



#28

Bromochloromethane
Concen: 49.146 ug/l
RT: 5.01 min Scan# 633
Delta R.T. -0.01 min
Lab File: VX009173.D
Acq: 25 Apr 2019 19:27

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	1.7	0.0	3.6	
130	63.3	50.4	75.6	

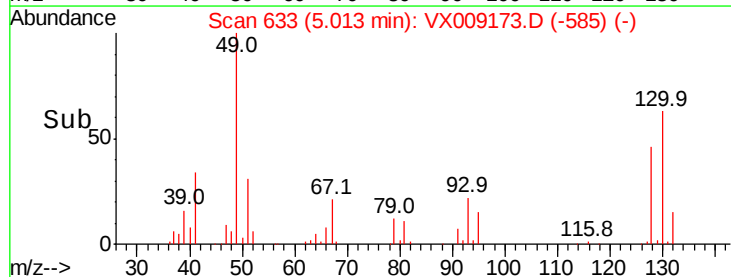
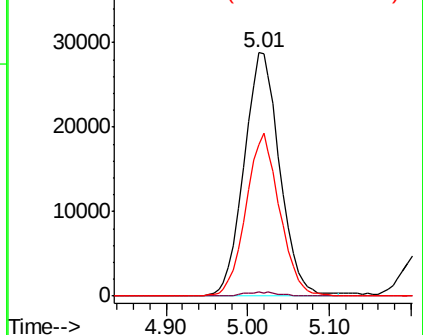


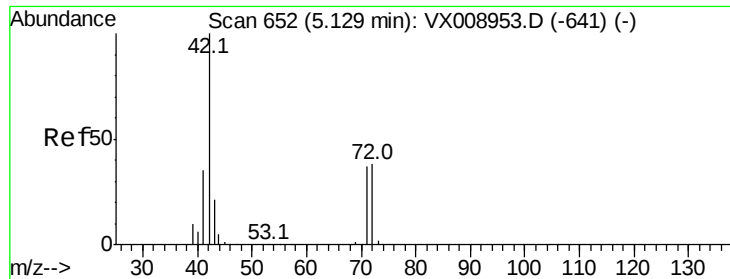
Abundance

Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V



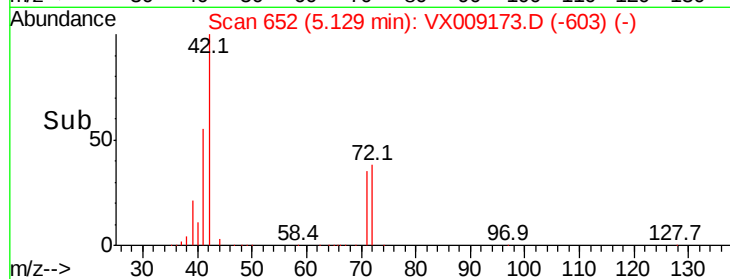
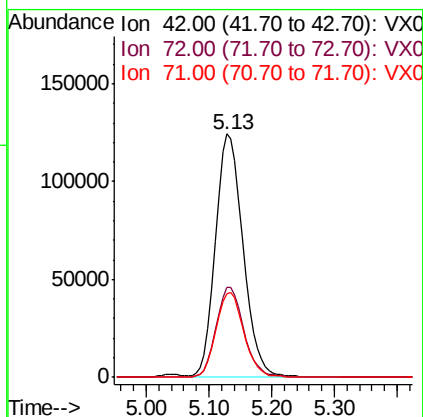
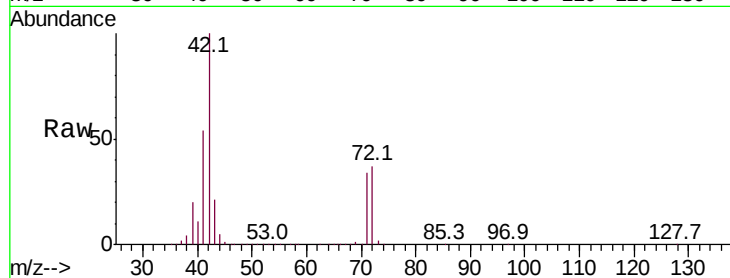


#29
Tetrahydrofuran
Concen: 257.910 ug/l
RT: 5.13 min Scan# 652
Delta R.T. -0.00 min
Lab File: VX009173.D
Acq: 25 Apr 2019 19:27

Instrument :
MSVOA_X
ClientSampleId :
S37-0016MSD

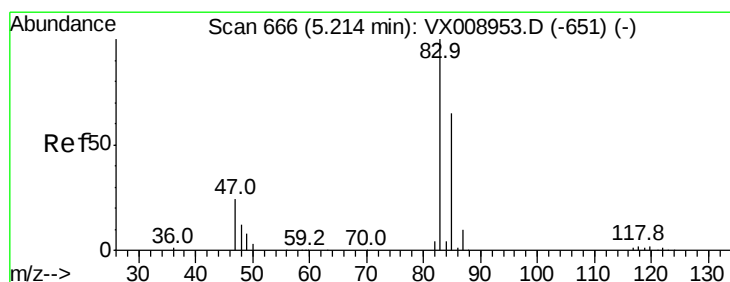
Tot Ion	Ratio	Lower	Upper
42	100		
72	37.5	30.6	45.8
71	35.2	28.8	43.2

Manual Integrations
APPROVED



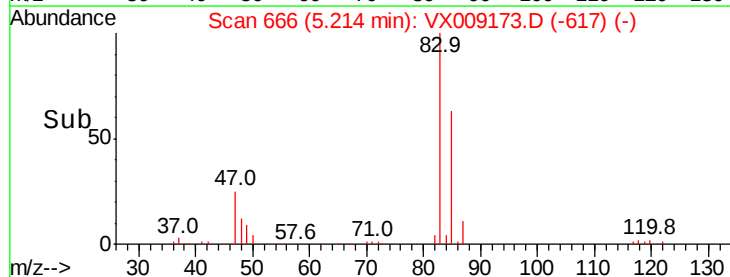
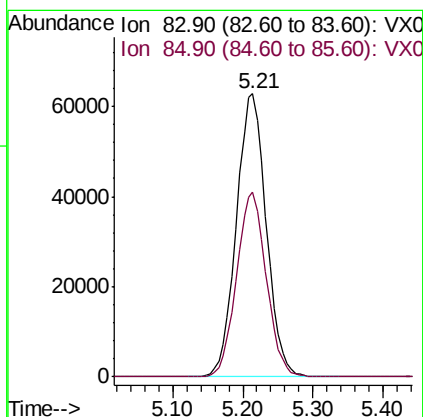
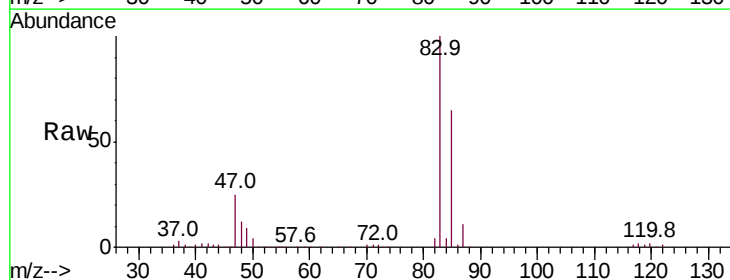
MMdadoda

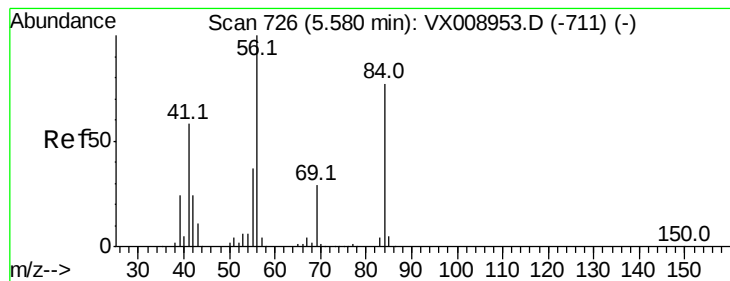
4/26/2019 10:05:31 AM



#30
Chloroform
Concen: 48.580 ug/l
RT: 5.21 min Scan# 666
Delta R.T. -0.00 min
Lab File: VX009173.D
Acq: 25 Apr 2019 19:27

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.1	51.9	77.9





#31

Cyclohexane

Concen: 47.572 ug/l

RT: 5.58 min Scan# 726

Delta R.T. -0.00 min

Lab File: VX009173.D

Acq: 25 Apr 2019 19:27

Instrument :

MSVOA_X

ClientSampled :

S37-0016MSD

Tot Ion: 56 Resp: 200470

Ion Ratio Lower Upper

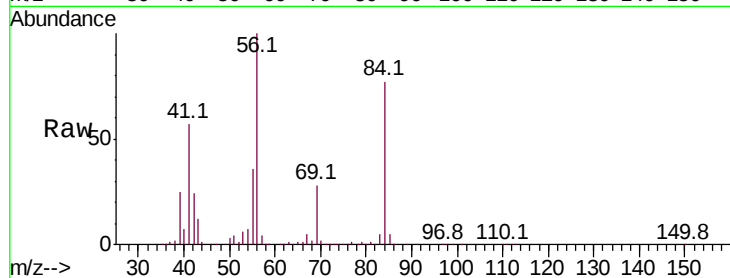
56 100

69 28.1 23.3 34.9

84 75.9 61.7 92.5

Manual Integrations

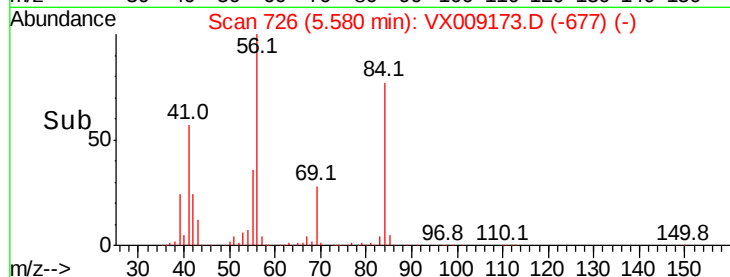
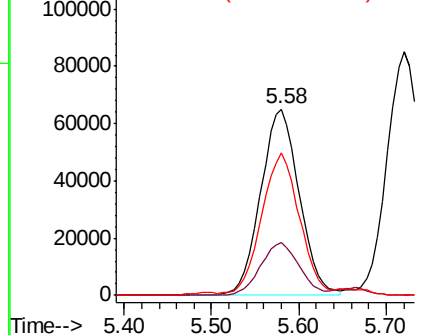
APPROVED



Abundance Ion 56.00 (55.70 to 56.70): VX0

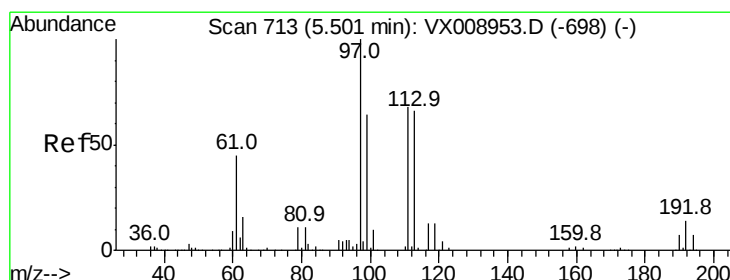
Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0



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#32

1,1,1-Trichloroethane

Concen: 48.327 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.01 min

Lab File: VX009173.D

Acq: 25 Apr 2019 19:27

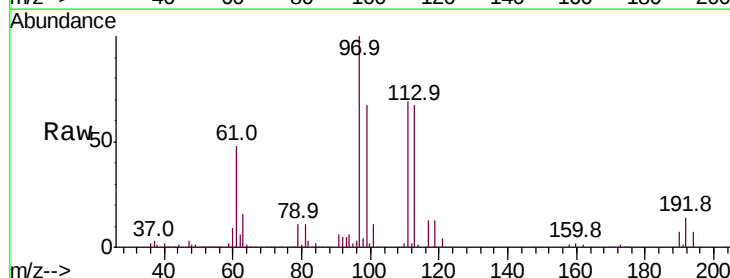
Tgt Ion: 97 Resp: 153565

Ion Ratio Lower Upper

97 100

99 64.5 51.6 77.4

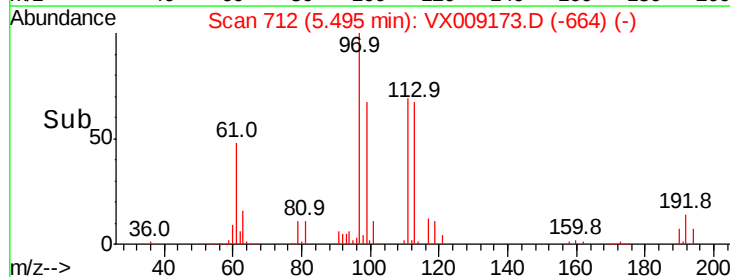
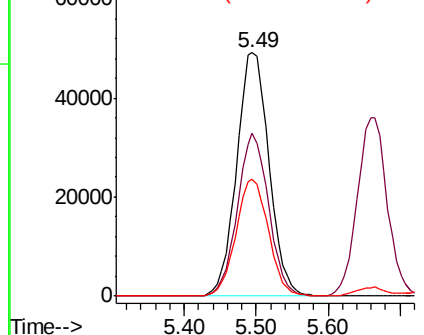
61 48.3 37.9 56.9

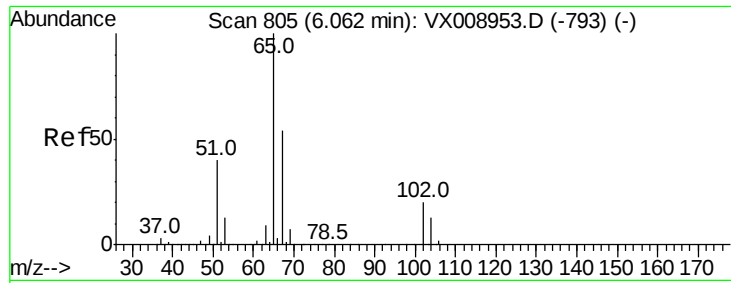


Abundance Ion 96.90 (96.60 to 97.60): VX0

Ion 98.90 (98.60 to 99.60): VX0

Ion 60.90 (60.60 to 61.60): VX0



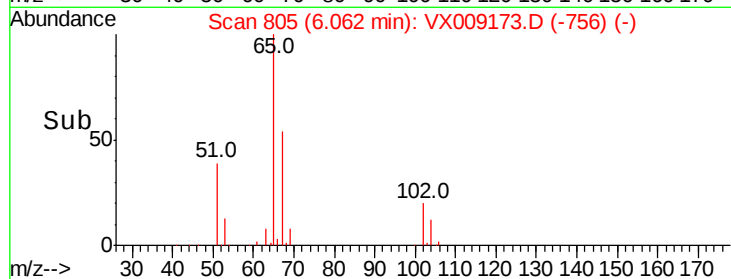
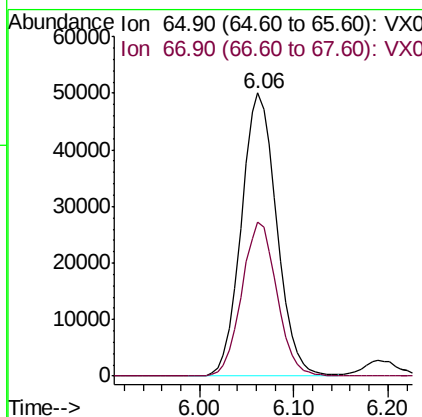
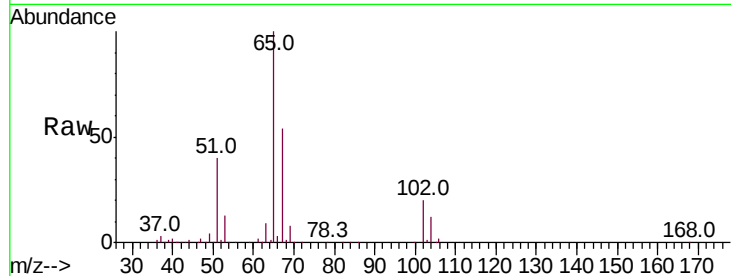


#33
 1,2-Dichloroethane-d4
 Concen: 49.756 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.00 min
 Lab File: VX009173.D
 Acq: 25 Apr 2019 19:27

Instrument :
 MSVOA_X
 ClientSampleId :
 S37-0016MSD

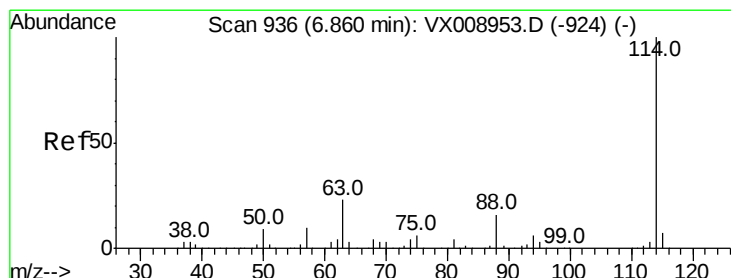
Tot Ion	Ratio	Lower	Upper
65	100		
67	54.0	0.0	108.6

Manual Integrations
 APPROVED



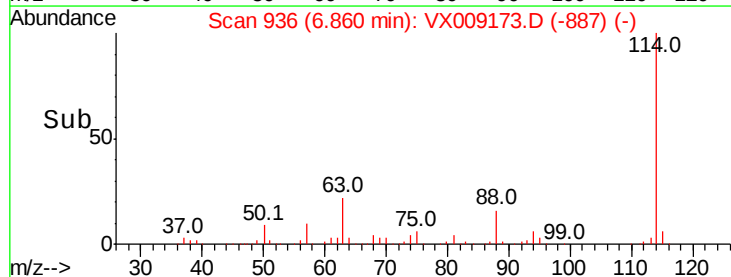
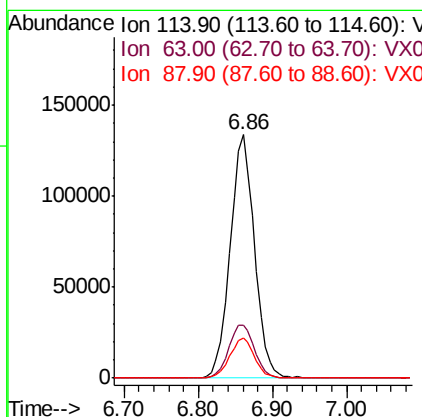
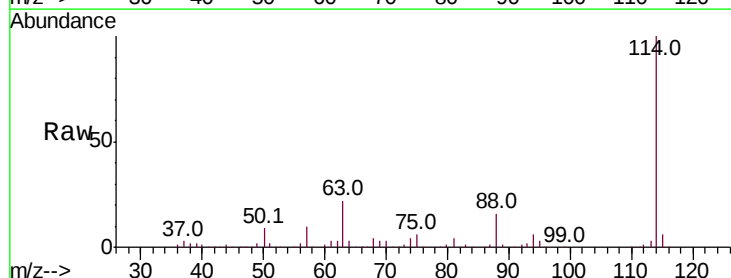
MMdadoda

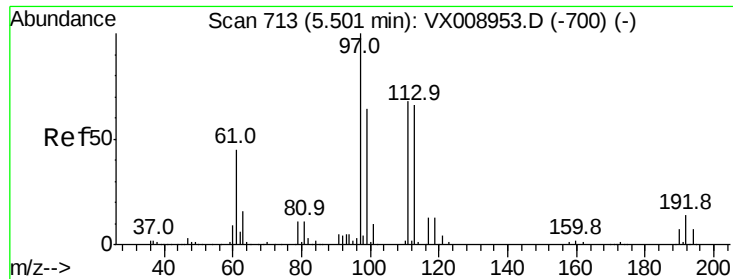
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX009173.D
 Acq: 25 Apr 2019 19:27

Tgt Ion	Ratio	Lower	Upper
114	100		
63	21.8	0.0	46.0
88	16.5	0.0	32.6





#35

Dibromofluoromethane

Concen: 49.401 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX009173.D

Acq: 25 Apr 2019 19:27

Instrument :

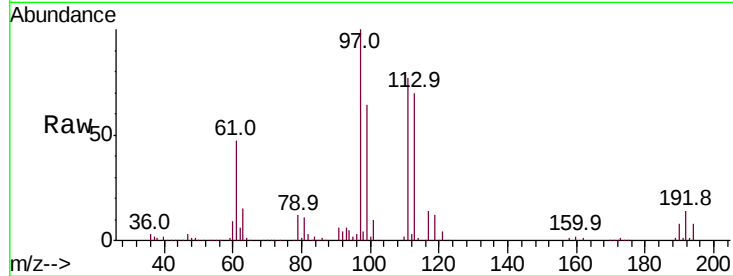
MSVOA_X

ClientSampleId :

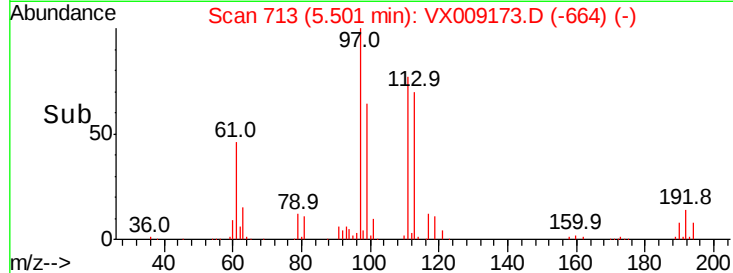
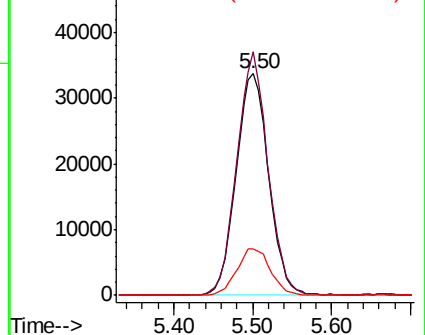
S37-0016MSD

Tot Ion:	113	Resp:	97094
Ion	Ratio	Lower	Upper
113	100		
111	104.7	82.9	124.3
192	21.7	17.4	26.0

Manual Integrations
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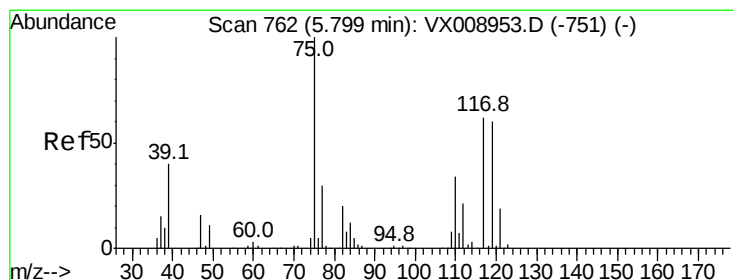


Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V



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#36

1,1-Dichloropropene

Concen: 44.854 ug/l

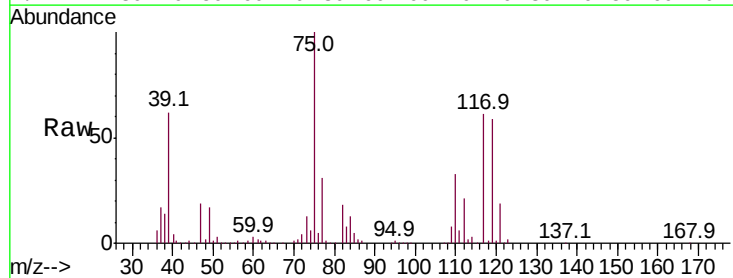
RT: 5.80 min Scan# 762

Delta R.T. -0.00 min

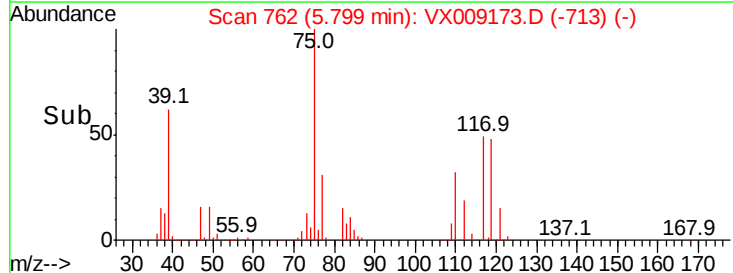
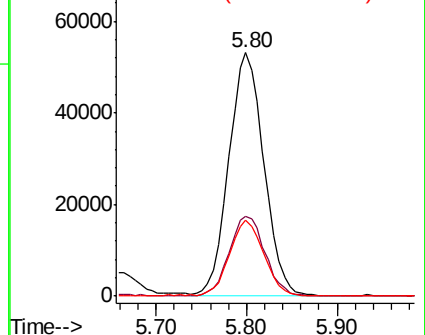
Lab File: VX009173.D

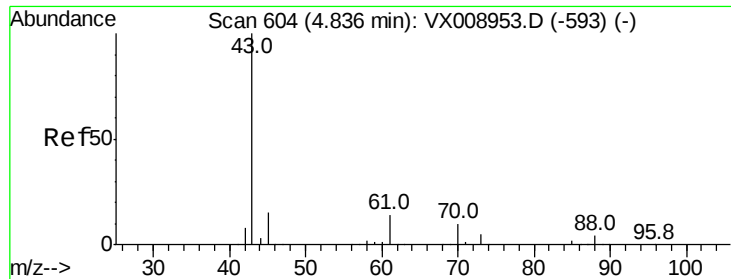
Acq: 25 Apr 2019 19:27

Tgt Ion:	75	Resp:	142065
Ion	Ratio	Lower	Upper
75	100		
110	33.8	16.9	50.7
77	30.5	25.0	37.4



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): VX0



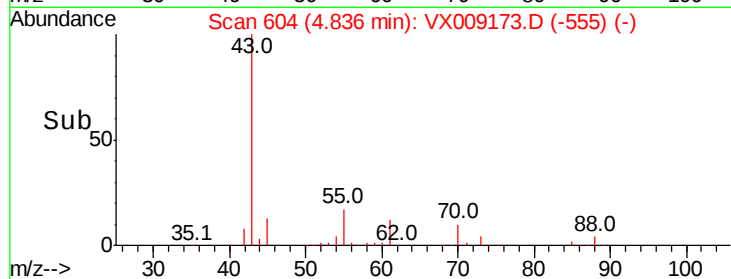
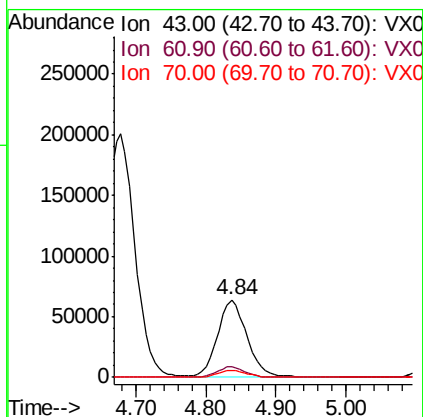
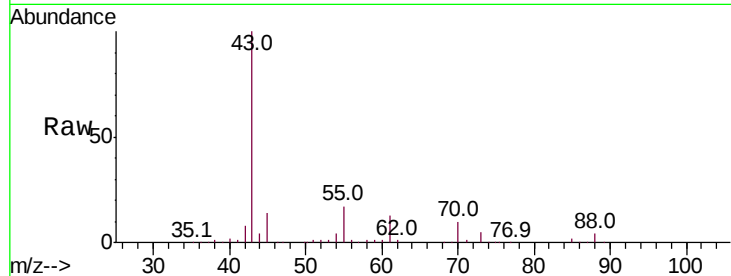


#37
Ethyl Acetate
Concen: 45.623 ug/l
RT: 4.84 min Scan# 604
Delta R.T. -0.00 min
Lab File: VX009173.D
Acq: 25 Apr 2019 19:27

Instrument :
MSVOA_X
ClientSampleId :
S37-0016MSD

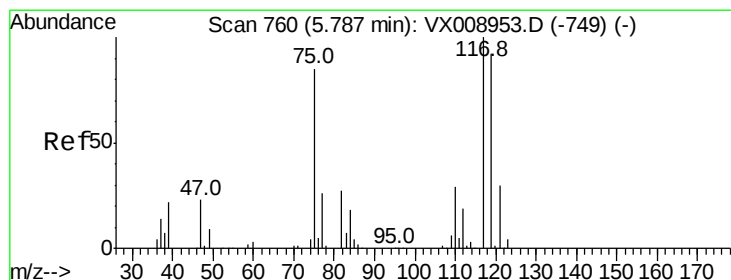
Tot Ion	Ratio	Lower	Upper
43	100		
61	12.8	10.6	15.8
70	9.4	7.7	11.5

Manual Integrations
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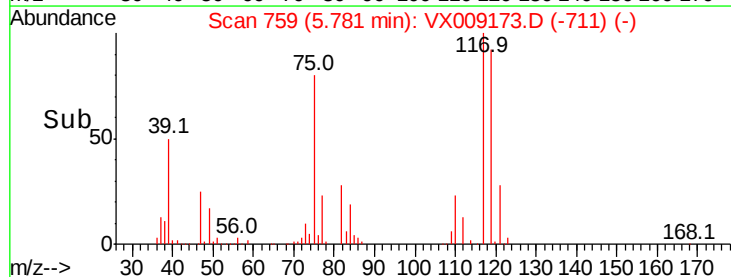
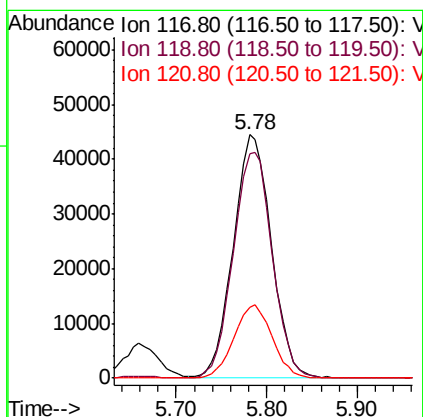
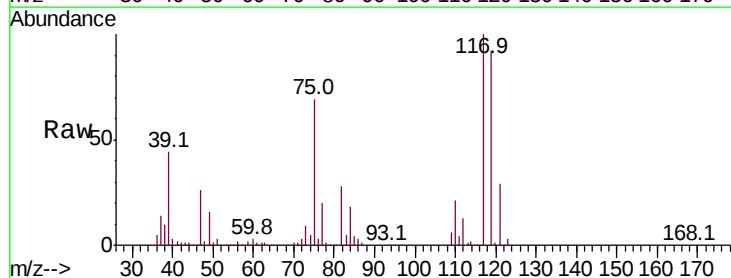
MMdadoda

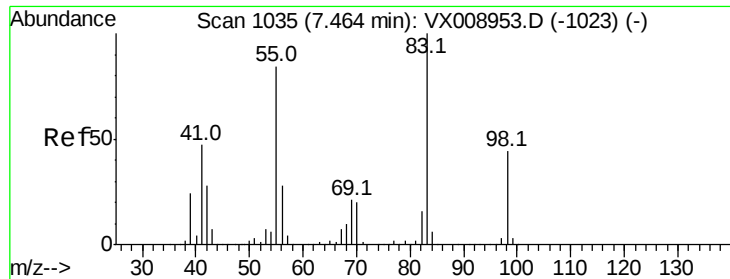
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#38
Carbon Tetrachloride
Concen: 48.308 ug/l
RT: 5.78 min Scan# 759
Delta R.T. -0.01 min
Lab File: VX009173.D
Acq: 25 Apr 2019 19:27

Tgt Ion	Ratio	Lower	Upper
117	100		
119	92.4	73.8	110.8
121	28.9	23.6	35.4



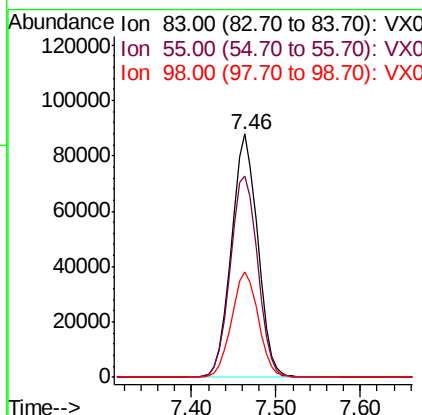
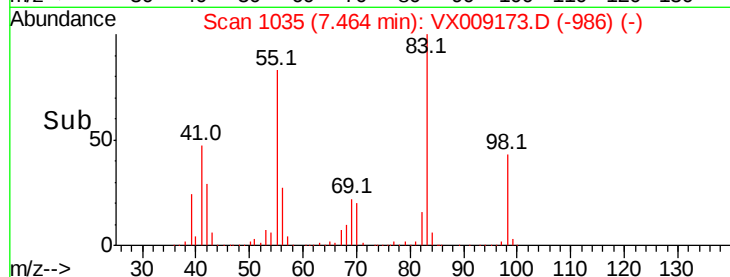
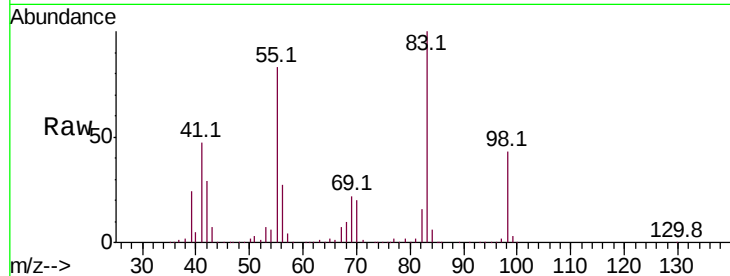


#39
Methvlcvclohexane
Concen: 48.169 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VX009173.D
Acq: 25 Apr 2019 19:27

Instrument :
MSVOA_X
ClientSampleId :
S37-0016MSD

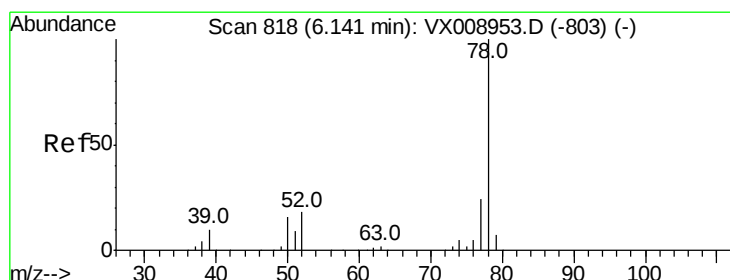
Tot Ion	Ratio	Lower	Upper
83	100		
55	82.9	67.1	100.7
98	43.2	35.1	52.7

Manual Integrations
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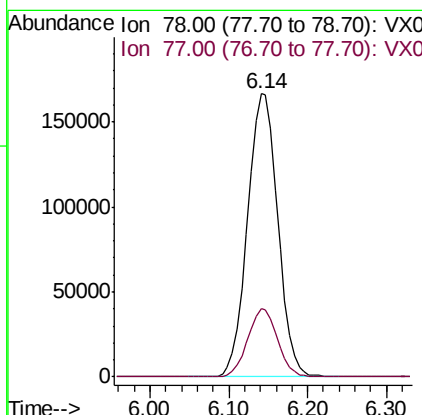
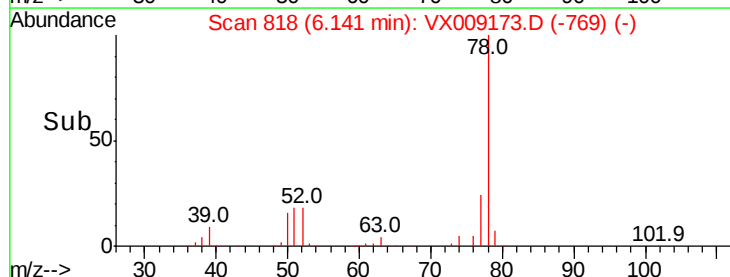
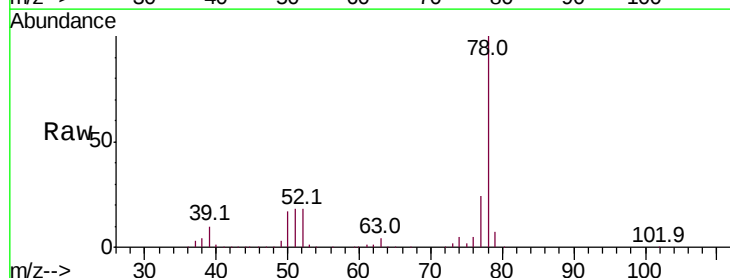
MMdadoda

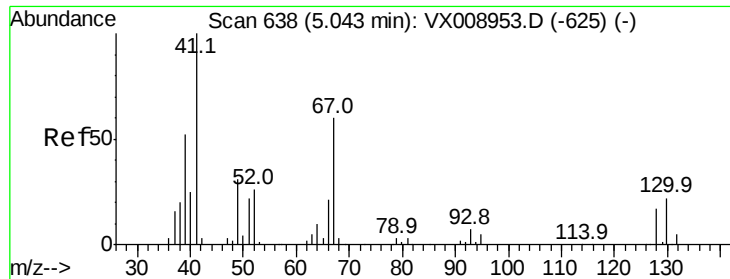
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#40
Benzene
Concen: 47.586 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX009173.D
Acq: 25 Apr 2019 19:27

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.3	19.0	28.6



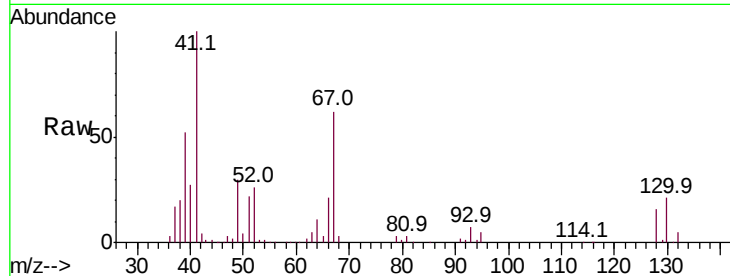


#41
Methacrylonitrile
Concen: 51.228 ug/l
RT: 5.04 min Scan# 638
Delta R.T. -0.00 min
Lab File: VX009173.D
Acq: 25 Apr 2019 19:27

Instrument :
MSVOA_X
ClientSampleId :
S37-0016MSD

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	53.1	41.8	62.6	
67	62.7	50.2	75.4	
52	26.2	21.1	31.7	

Manual Integrations
APPROVED



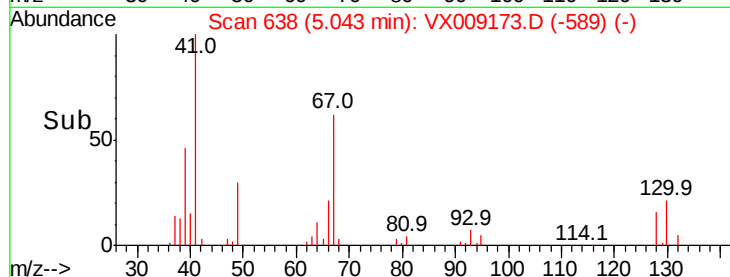
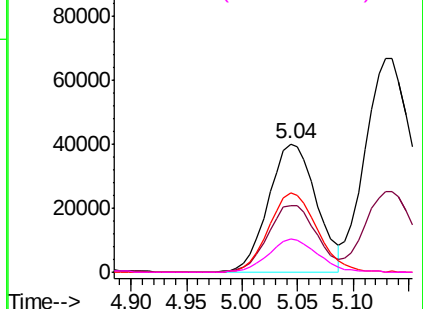
Abundance

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

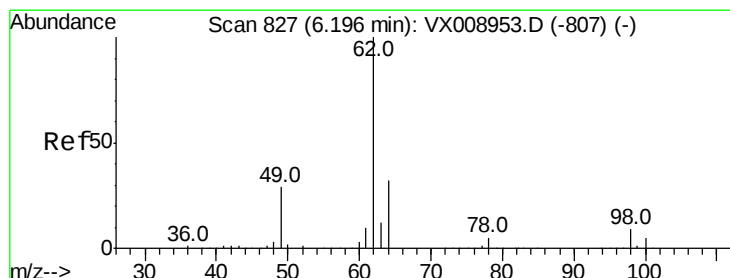
Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0



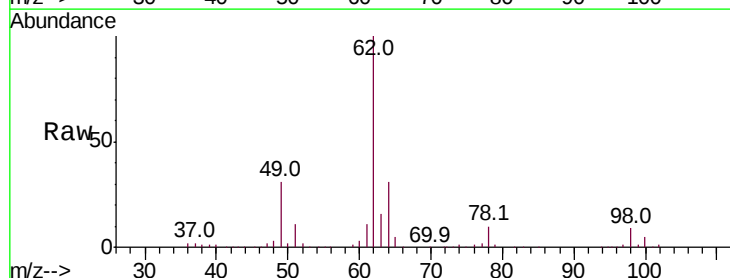
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#42
1,2-Dichloroethane
Concen: 47.924 ug/l
RT: 6.19 min Scan# 826
Delta R.T. -0.01 min
Lab File: VX009173.D
Acq: 25 Apr 2019 19:27

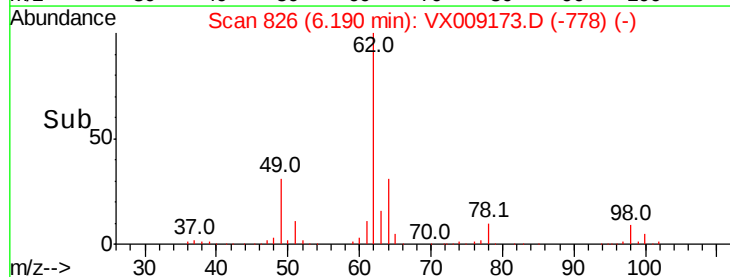
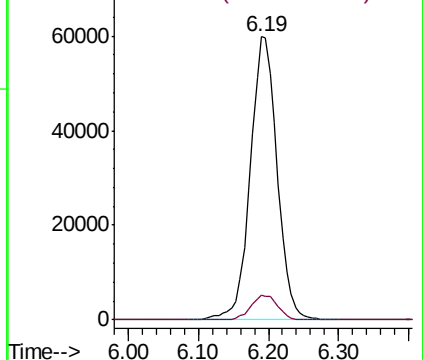
Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.9	0.0	18.4	

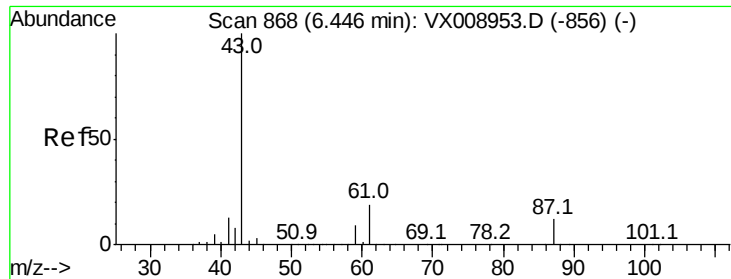


Abundance

Ion 61.90 (61.60 to 62.60): VX0

Ion 97.90 (97.60 to 98.60): VX0





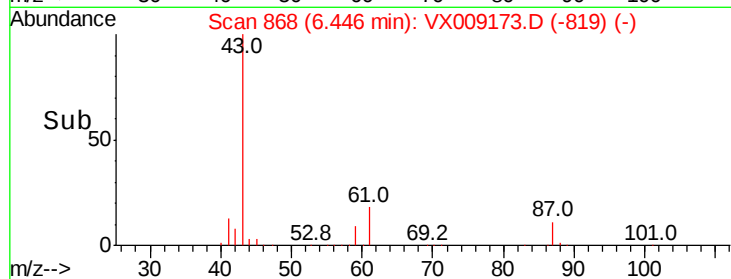
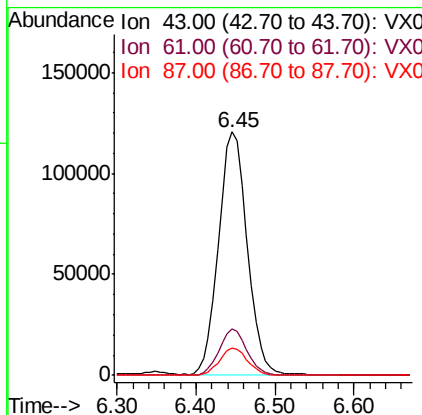
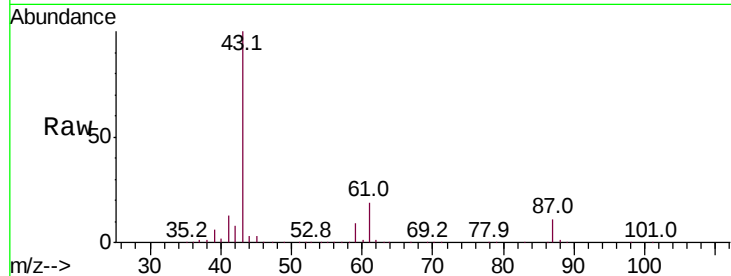
#43

Isopropyl Acetate
 Concen: 46.324 ug/l
 RT: 6.45 min Scan# 868
 Delta R.T. -0.00 min
 Lab File: VX009173.D
 Acq: 25 Apr 2019 19:27

Instrument :
 MSVOA_X
 ClientSampleId :
 S37-0016MSD

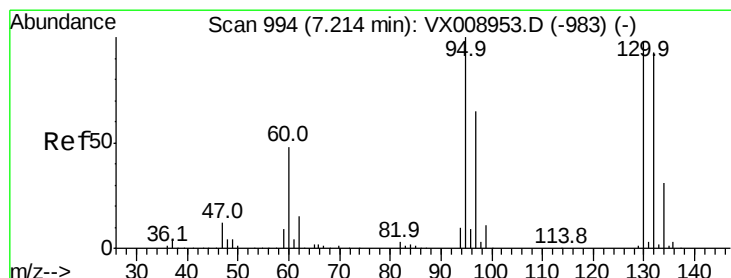
Tot Ion	43	Resp	304247
Ion	Ratio	Lower	Upper
43	100		
61	18.7	15.4	23.0
87	11.2	9.0	13.4

Manual Integrations
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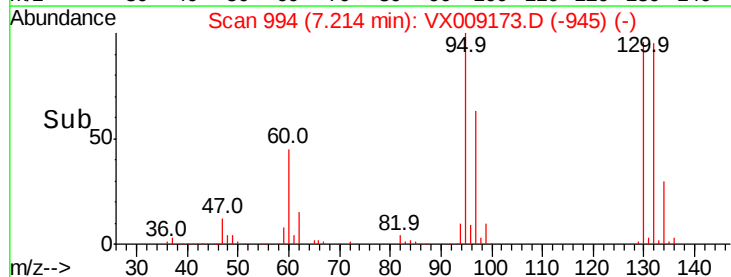
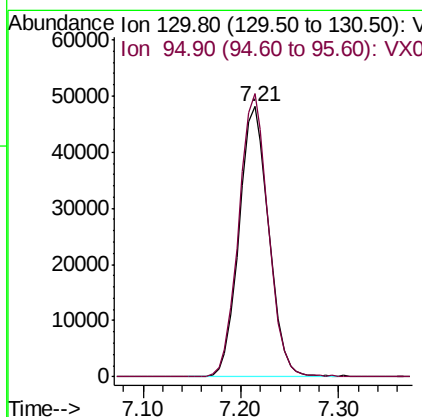
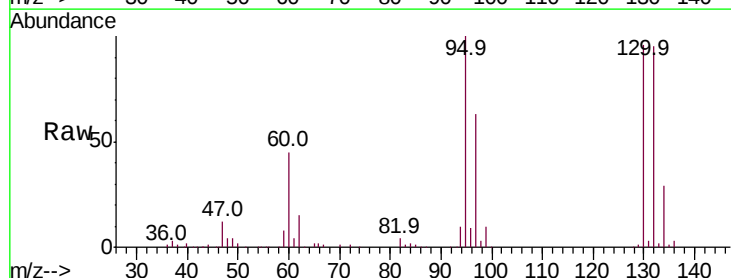
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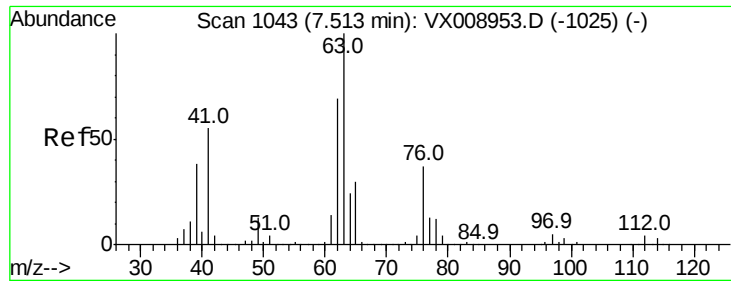


#44

Trichloroethene
 Concen: 44.341 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. -0.00 min
 Lab File: VX009173.D
 Acq: 25 Apr 2019 19:27

Tgt Ion	130	Resp	101514
Ion	Ratio	Lower	Upper
130	100		
95	104.7	0.0	203.2





#45

1,2-Dichloropropane

Concen: 49.118 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. -0.00 min

Lab File: VX009173.D

Acq: 25 Apr 2019 19:27

Instrument :

MSVOA_X

ClientSampled :

S37-0016MSD

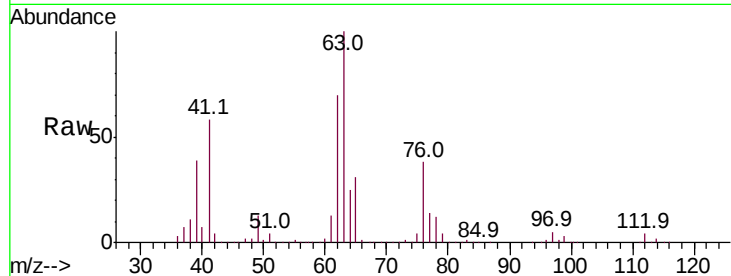
Tot Ion: 63 Resp: 127324

Ion Ratio Lower Upper

63 100

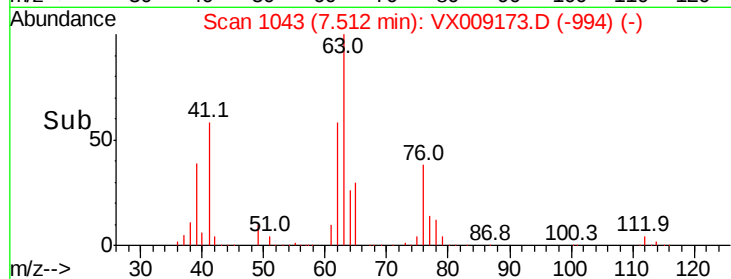
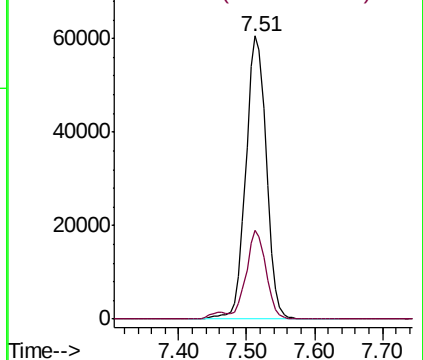
65 31.2 24.1 36.1

Manual Integrations
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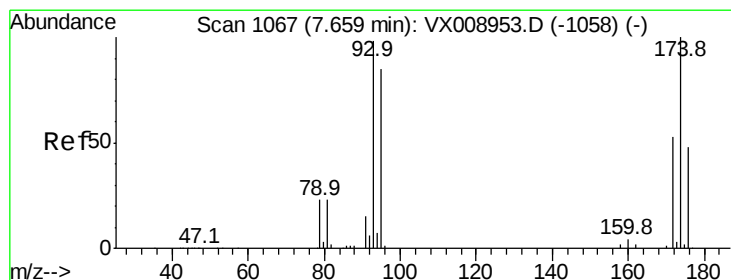
Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



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#46

Dibromomethane

Concen: 47.330 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. -0.00 min

Lab File: VX009173.D

Acq: 25 Apr 2019 19:27

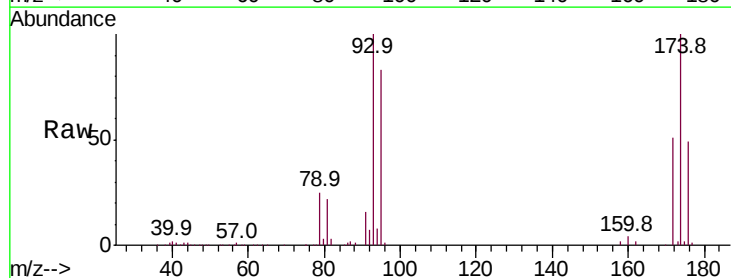
Tgt Ion: 93 Resp: 71402

Ion Ratio Lower Upper

93 100

95 84.0 67.0 100.4

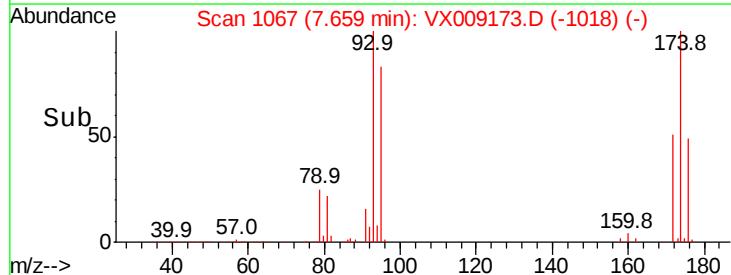
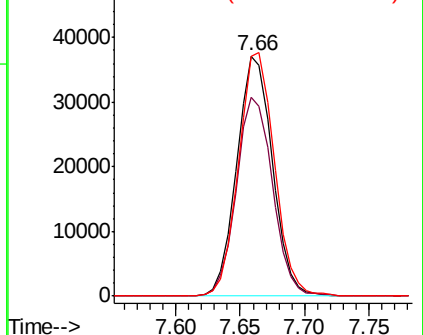
174 101.9 81.6 122.4

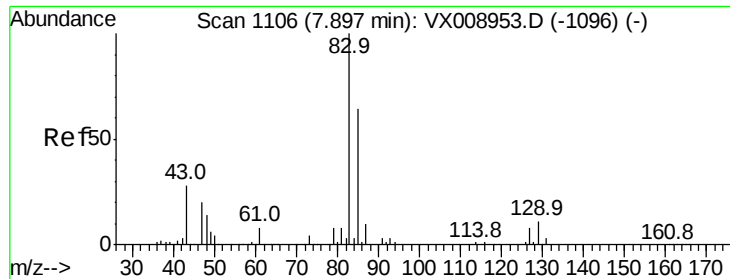


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 48.914 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX009173.D

Acq: 25 Apr 2019 19:27

Instrument :

MSVOA_X

ClientSampled :

S37-0016MSD

Tot Ion: 83 Resp: 144730

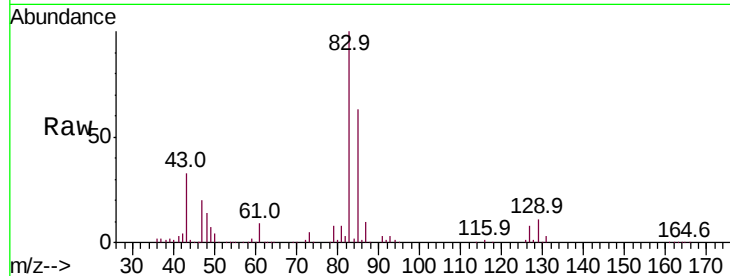
Ion Ratio Lower Upper

83 100

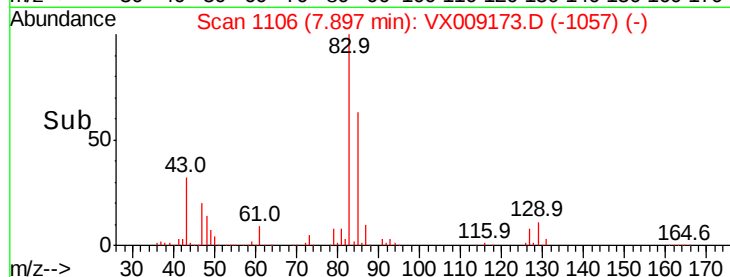
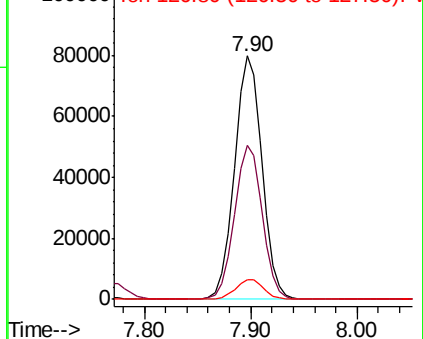
85 63.3 50.8 76.2

127 7.8 6.4 9.6

Manual Integrations
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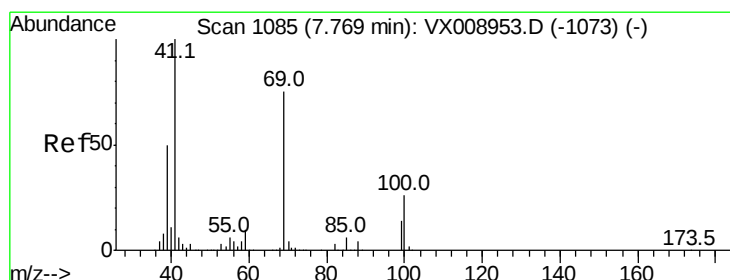


Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 84.90 (84.60 to 85.60): VX0
Ion 126.80 (126.50 to 127.50): V



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#48

Methyl methacrylate

Concen: 50.947 ug/l

RT: 7.77 min Scan# 1085

Delta R.T. -0.00 min

Lab File: VX009173.D

Acq: 25 Apr 2019 19:27

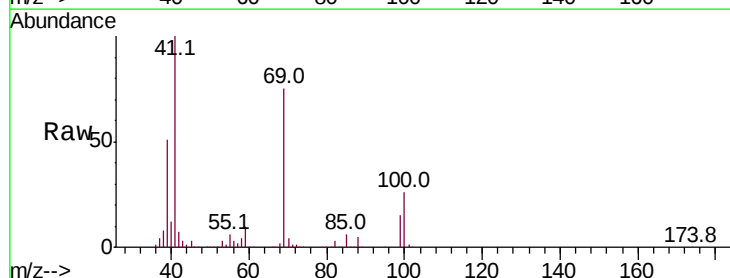
Tgt Ion: 41 Resp: 165335

Ion Ratio Lower Upper

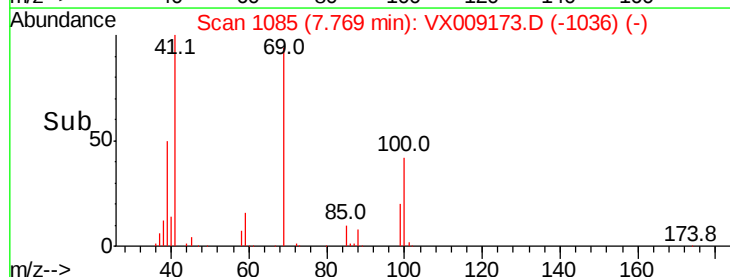
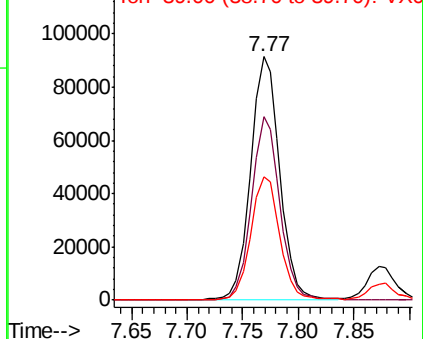
41 100

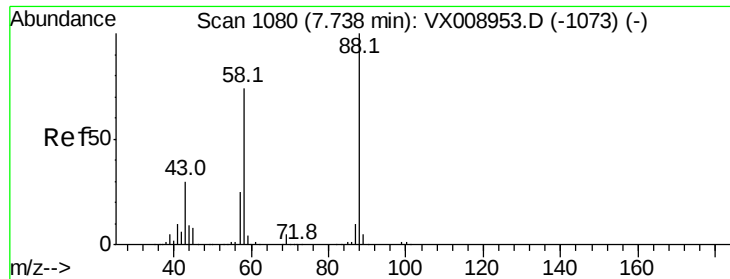
69 74.6 59.4 89.2

39 50.6 39.8 59.6



Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 39.00 (38.70 to 39.70): VX0



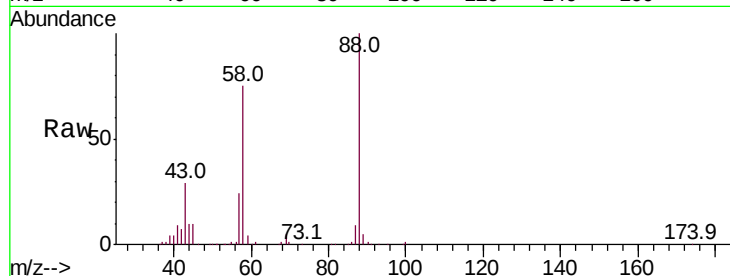


#49
1,4-Dioxane
Concen: 950.504 ug/l
RT: 7.74 min Scan# 1080
Delta R.T. -0.00 min
Lab File: VX009173.D
Acq: 25 Apr 2019 19:27

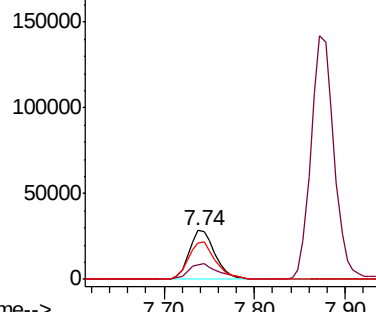
Instrument :
MSVOA_X
ClientSampled :
S37-0016MSD

Tot Ion	Ratio	Lower	Upper
88	100		
43	35.6	29.3	43.9
58	79.3	62.6	93.8

Manual Integrations
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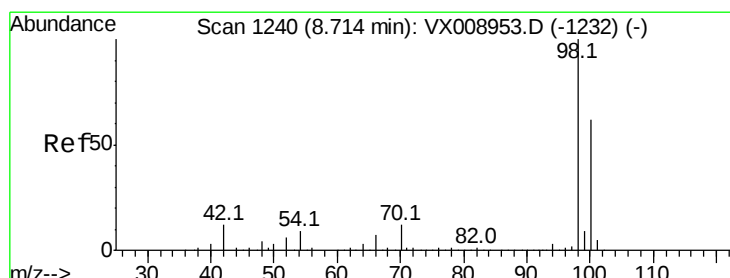
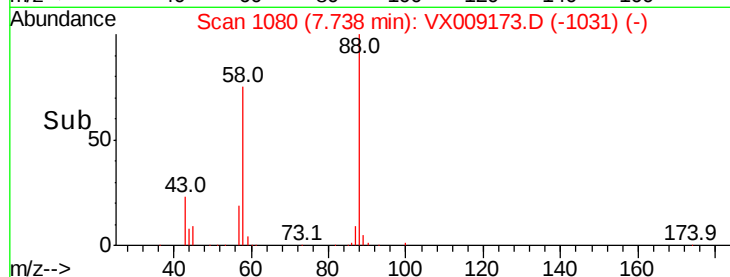


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0



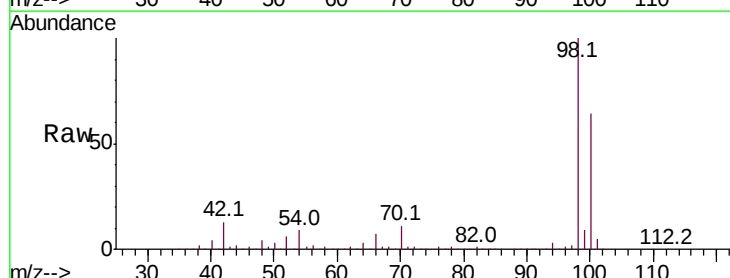
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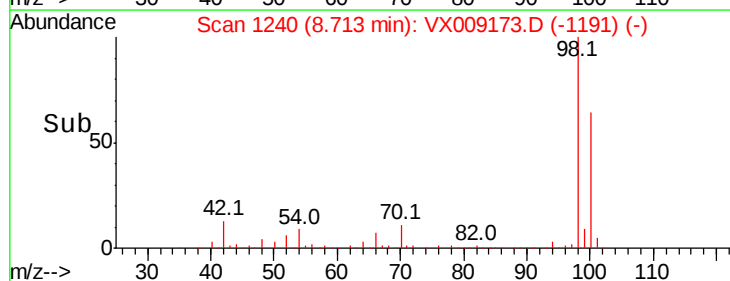
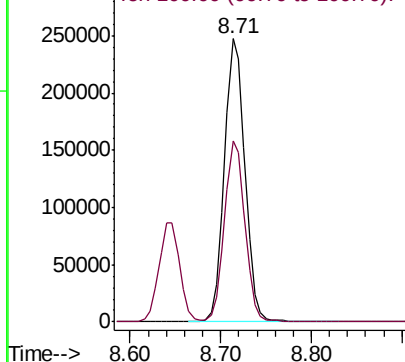


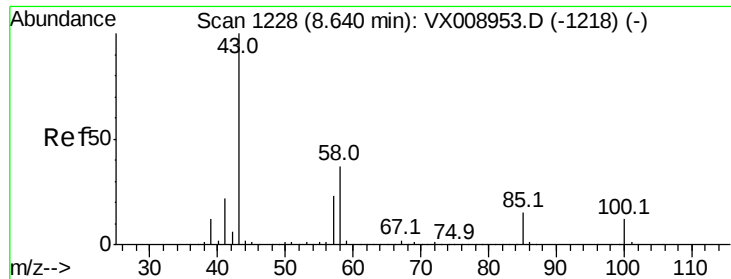
#50
Toluene-d8
Concen: 49.605 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX009173.D
Acq: 25 Apr 2019 19:27

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.6	51.4	77.2



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): V





#51

4-Methyl-2-Pentanone

Concen: 269.629 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. -0.00 min

Lab File: VX009173.D

Acq: 25 Apr 2019 19:27

Instrument :

MSVOA_X

ClientSampled :

S37-0016MSD

Tot Ion: 43 Resp: 1128178

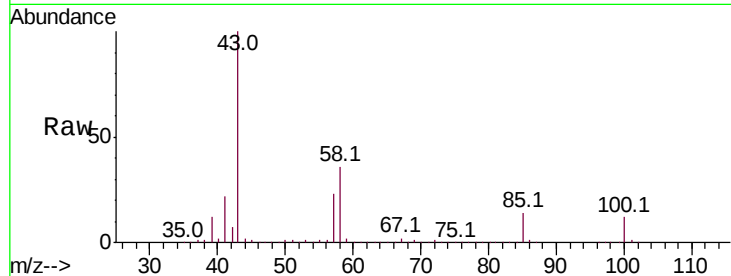
Ion Ratio Lower Upper

43 100

58 36.5 29.8 44.6

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

8.64

800000

600000

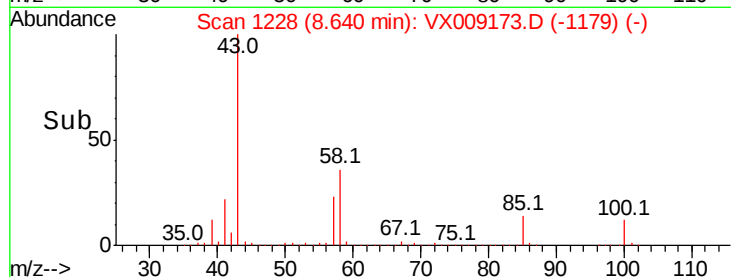
400000

200000

0

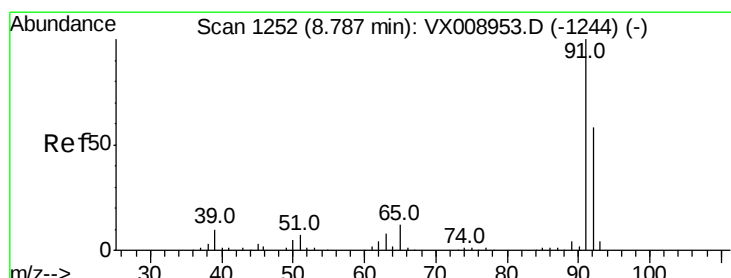
8.60 8.70 8.80

Time-->



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#52

Toluene

Concen: 47.912 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VX009173.D

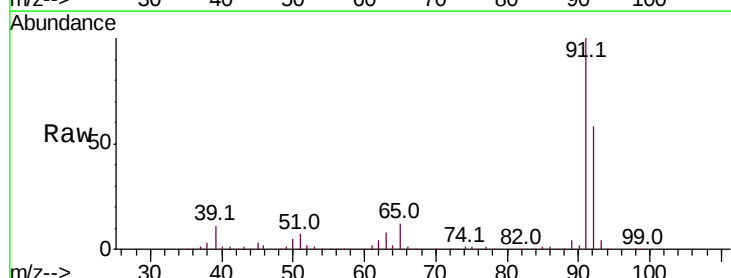
Acq: 25 Apr 2019 19:27

Tgt Ion: 92 Resp: 268299

Ion Ratio Lower Upper

92 100

91 173.8 138.5 207.7



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

8.79

300000

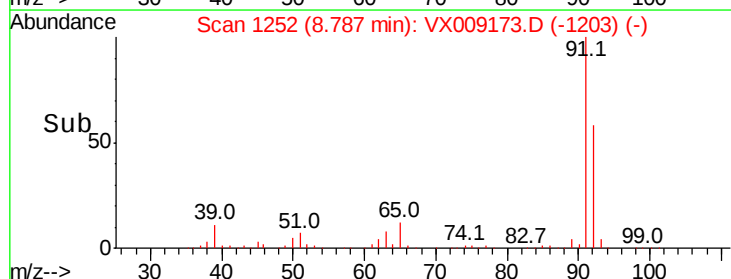
200000

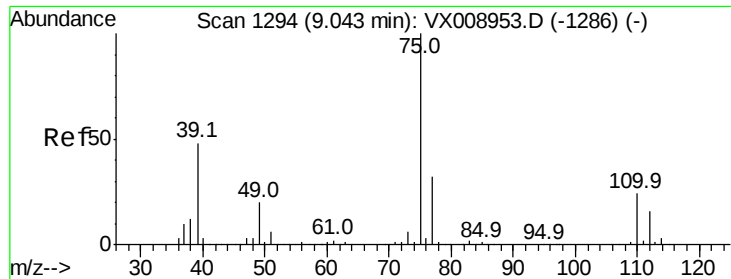
100000

0

8.70 8.80 8.90

Time-->



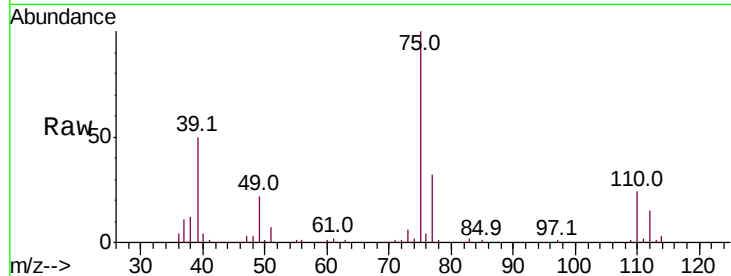


#53
t-1,3-Dichloropropene
Concen: 47.268 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. -0.00 min
Lab File: VX009173.D
Acq: 25 Apr 2019 19:27

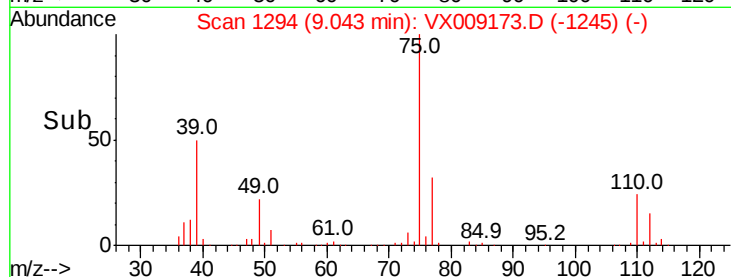
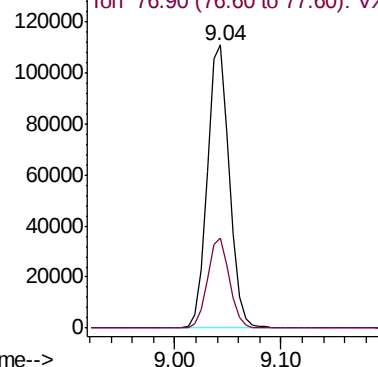
Instrument :
MSVOA_X
ClientSampled :
S37-0016MSD

Tot Ion: 75 Resp: 160961
Ion Ratio Lower Upper
75 100
77 31.6 25.4 38.2

Manual Integrations
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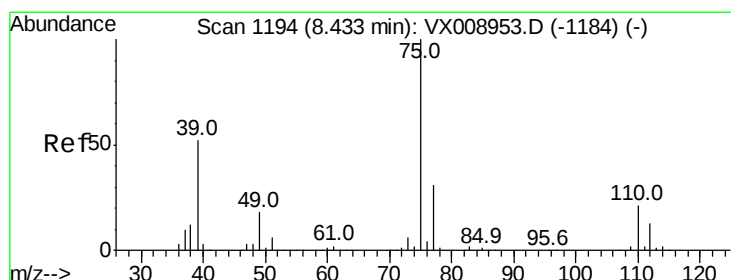


Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 76.90 (76.60 to 77.60): VX0



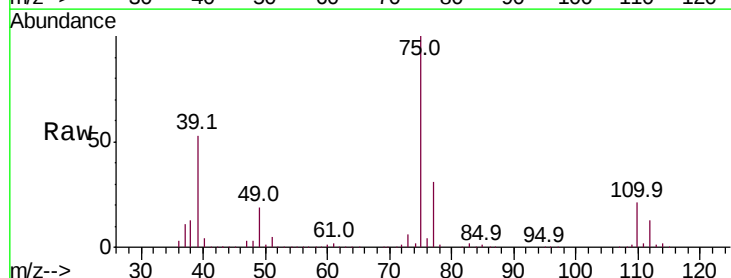
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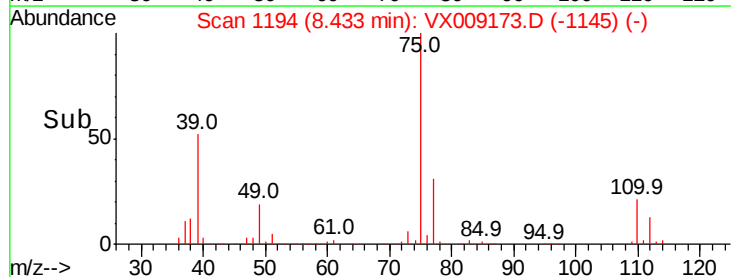
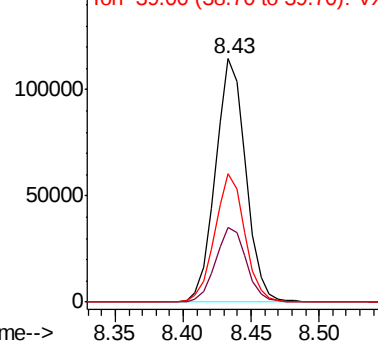


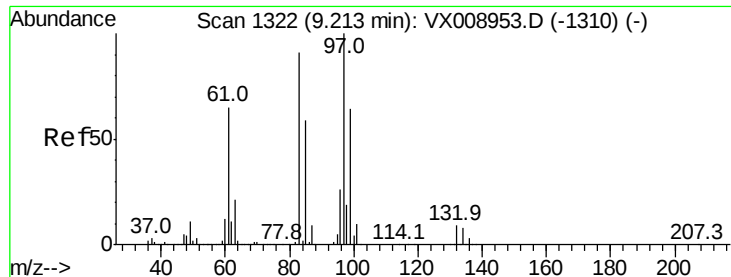
#54
cis-1,3-Dichloropropene
Concen: 46.785 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. -0.00 min
Lab File: VX009173.D
Acq: 25 Apr 2019 19:27

Tgt Ion: 75 Resp: 178391
Ion Ratio Lower Upper
75 100
77 30.8 24.8 37.2
39 52.5 41.8 62.6



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 76.90 (76.60 to 77.60): VX0
Ion 39.00 (38.70 to 39.70): VX0



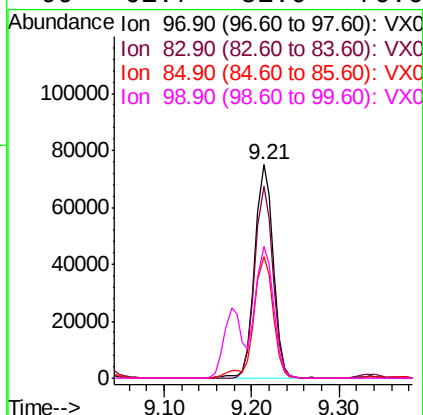
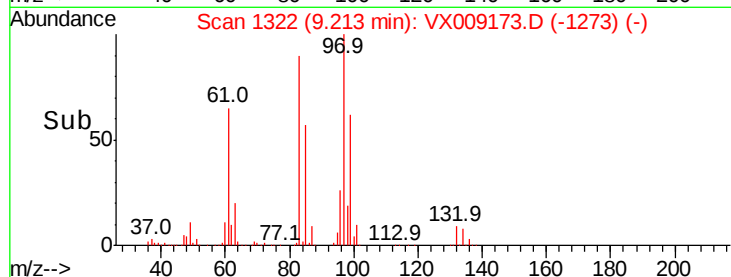
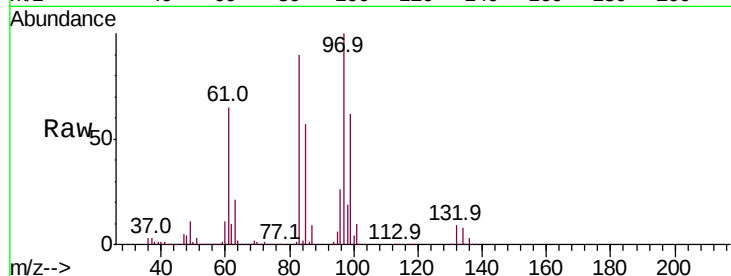


#55
 1,1,2-Trichloroethane
 Concen: 49.378 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VX009173.D
 Acq: 25 Apr 2019 19:27

Instrument :
 MSVOA_X
 ClientSampleId :
 S37-0016MSD

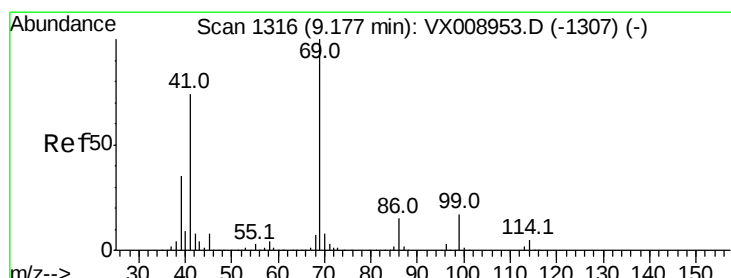
Tot Ion	97	Resp	109590
Ion	Ratio	Lower	Upper
97	100		
83	89.9	72.6	108.8
85	56.7	46.9	70.3
99	61.7	51.0	76.6

Manual Integrations
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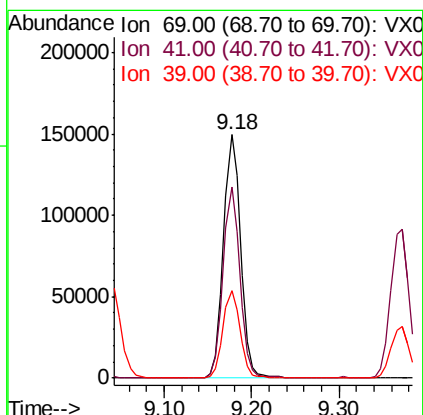
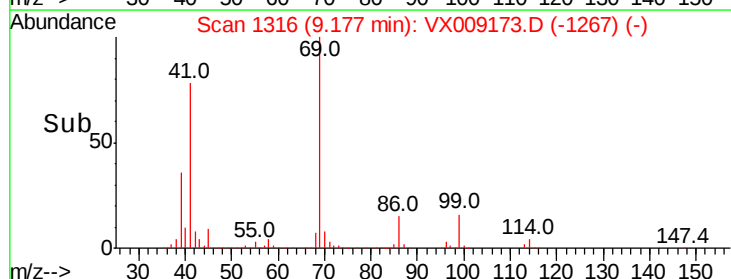
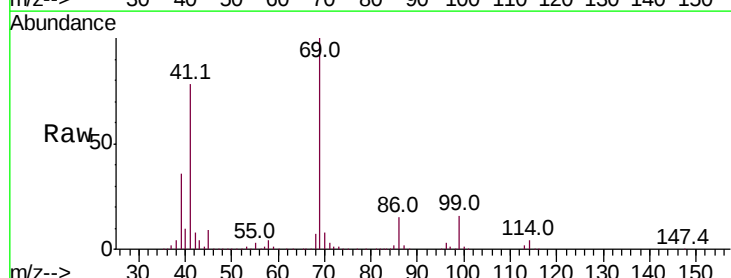
MMdadoda

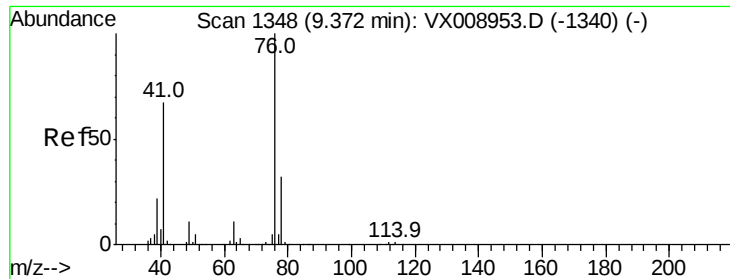
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#56
 Ethyl methacrylate
 Concen: 51.156 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VX009173.D
 Acq: 25 Apr 2019 19:27

Tgt Ion	69	Resp	203580
Ion	Ratio	Lower	Upper
69	100		
41	76.6	60.2	90.2
39	35.7	27.9	41.9





#57

1,3-Dichloropropane

Concen: 48.888 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. -0.00 min

Lab File: VX009173.D

Acq: 25 Apr 2019 19:27

Instrument :

MSVOA_X

ClientSampleId :

S37-0016MSD

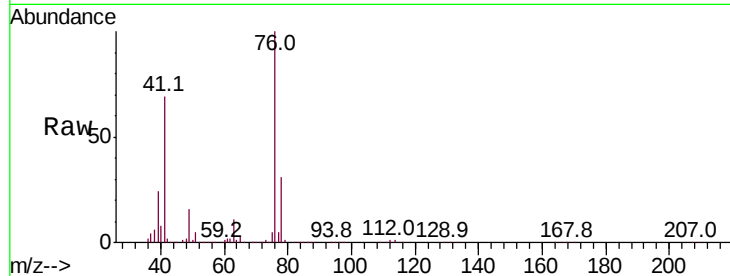
Tot Ion: 76 Resp: 193185

Ion Ratio Lower Upper

76 100

78 32.1 25.7 38.5

Manual Integrations
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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

9.37

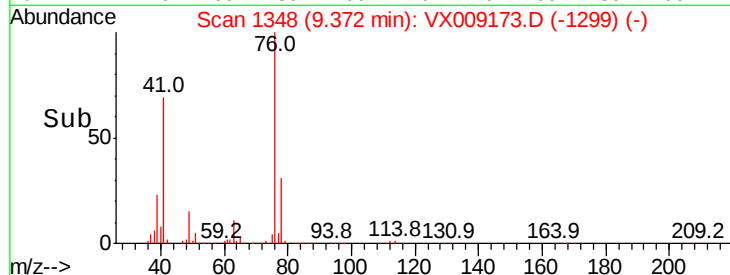
150000

100000

50000

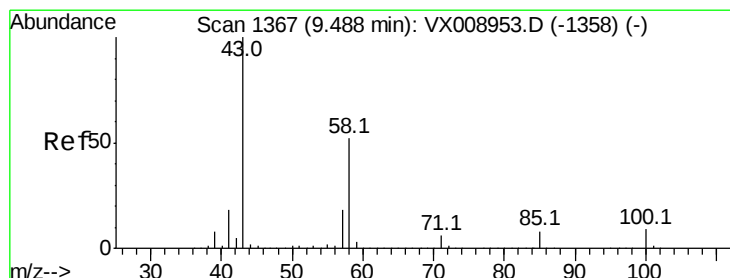
0

Time-->



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#59

2-Hexanone

Concen: 270.283 ug/l

RT: 9.49 min Scan# 1368

Delta R.T. 0.01 min

Lab File: VX009173.D

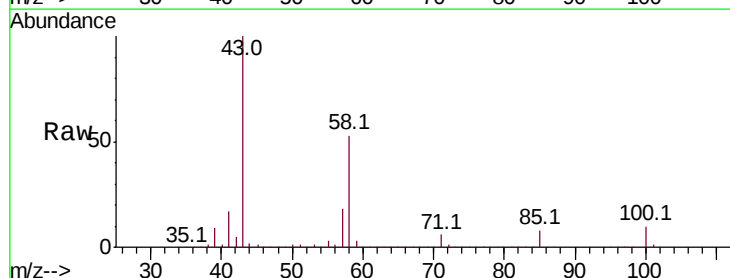
Acq: 25 Apr 2019 19:27

Tgt Ion: 43 Resp: 871912

Ion Ratio Lower Upper

43 100

58 51.7 25.9 77.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

9.49

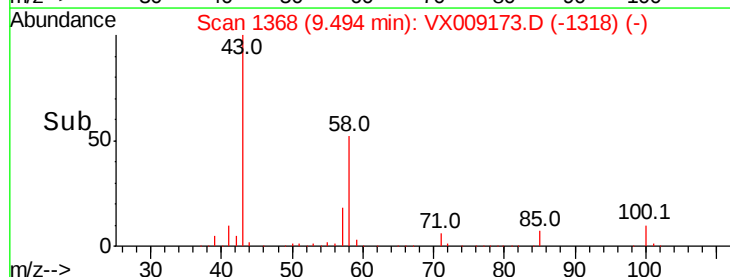
600000

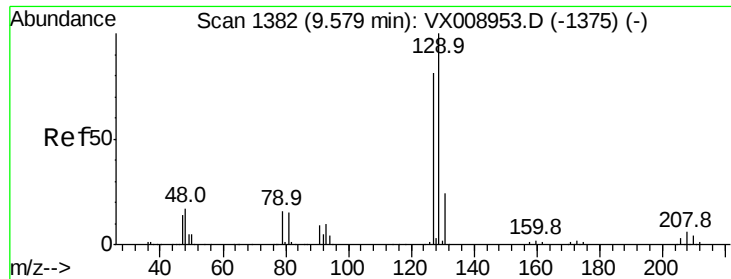
400000

200000

0

Time-->





#60

Dibromochloromethane

Concen: 50.709 ug/l

RT: 9.58 min Scan# 1382

Delta R.T. -0.00 min

Lab File: VX009173.D

Acq: 25 Apr 2019 19:27

Instrument :

MSVOA_X

ClientSampleId :

S37-0016MSD

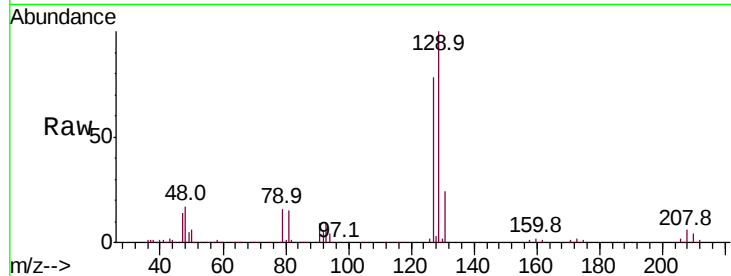
Tot Ion:129 Resp: 107863

Ion Ratio Lower Upper

129 100

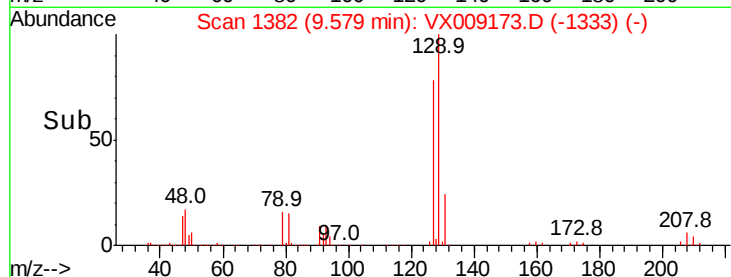
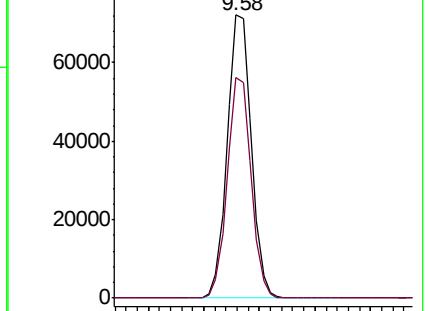
127 77.1 39.1 117.2

Manual Integrations
APPROVED



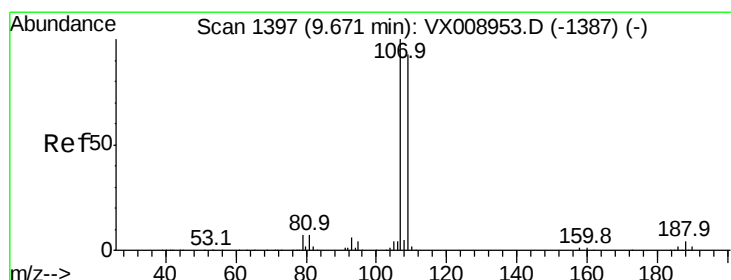
Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



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#61

1,2-Dibromoethane

Concen: 48.531 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX009173.D

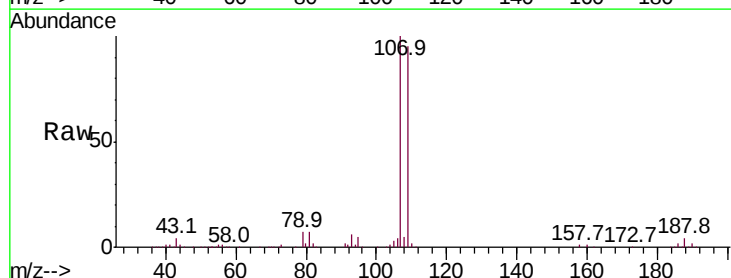
Acq: 25 Apr 2019 19:27

Tgt Ion:107 Resp: 111166

Ion Ratio Lower Upper

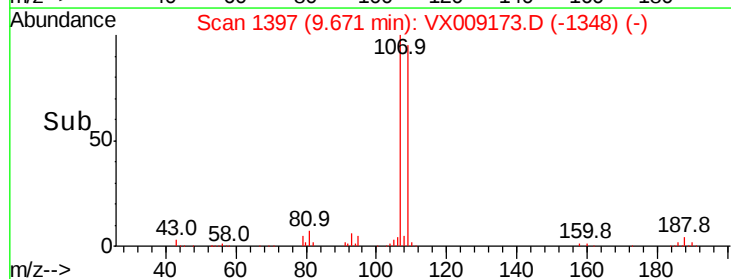
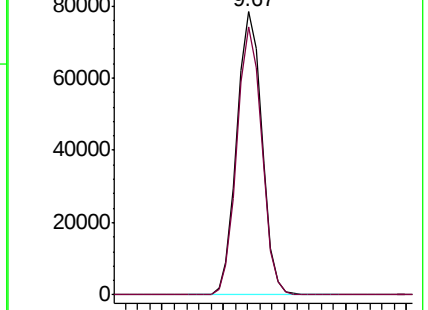
107 100

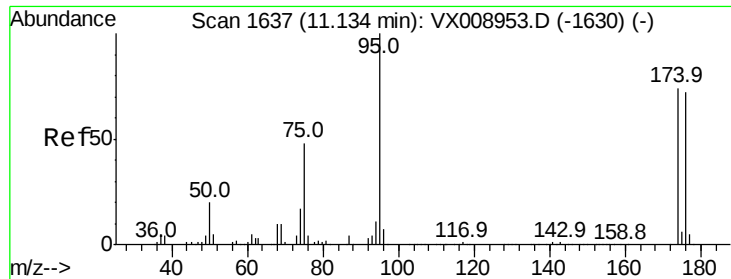
109 93.9 74.4 111.6



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V





#62

4-Bromofluorobenzene

Concen: 51.851 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX009173.D

Acq: 25 Apr 2019 19:27

Instrument :

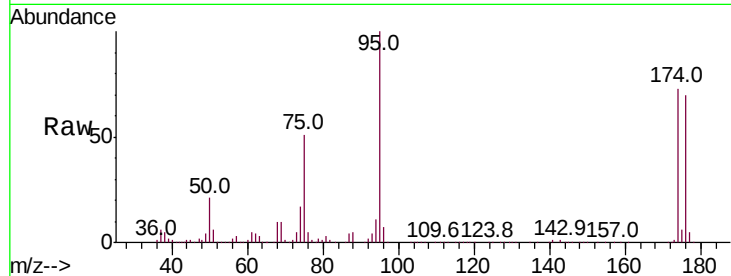
MSVOA_X

ClientSampled :

S37-0016MSD

Tot Ion:	95	Resp:	143467
Ion Ratio	Lower	Upper	
95	100		
174	80.4	0.0	159.6
176	77.8	0.0	154.8

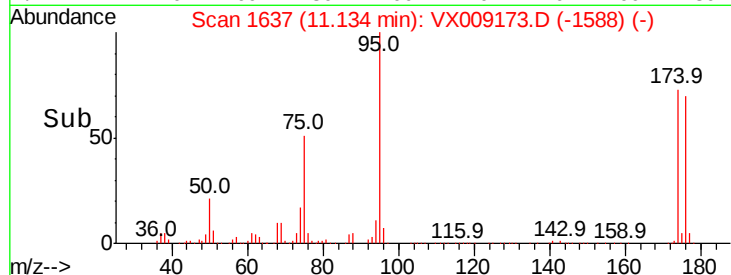
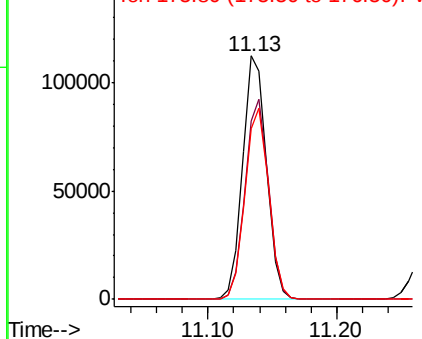
Manual Integrations
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Abundance Ion 94.90 (94.60 to 95.60): VX009173.D (-1588) (-)

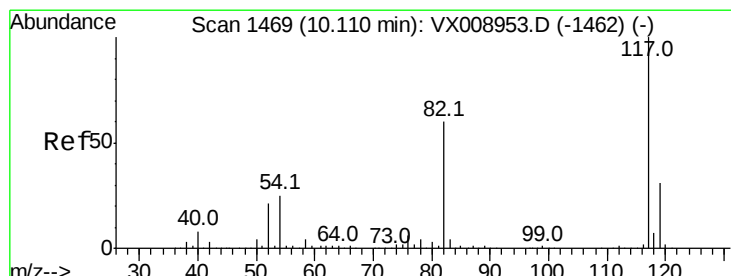
Ion 173.80 (173.50 to 174.50): VX009173.D (-1588) (-)

Ion 175.80 (175.50 to 176.50): VX009173.D (-1588) (-)



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#63

Chlorobenzene-d5

Concen: 50.000 ug/l

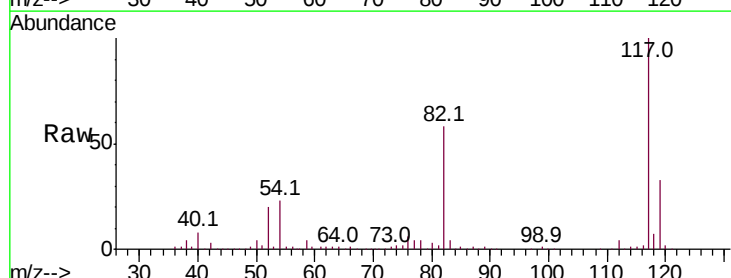
RT: 10.12 min Scan# 1470

Delta R.T. 0.01 min

Lab File: VX009173.D

Acq: 25 Apr 2019 19:27

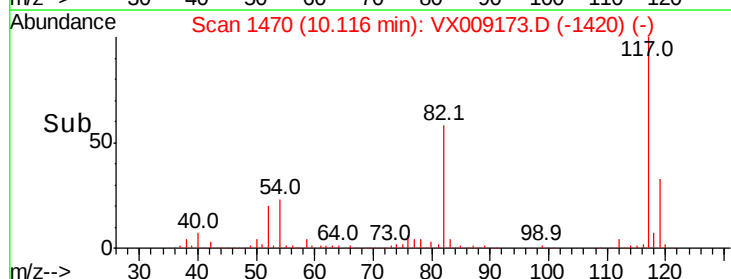
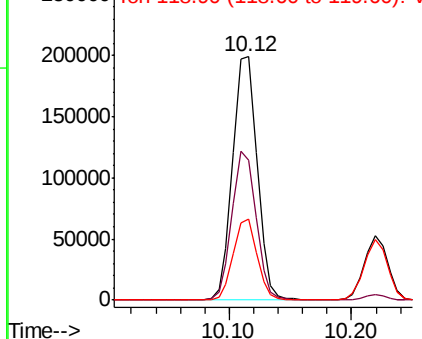
Tgt Ion:	117	Resp:	277556
Ion Ratio	Lower	Upper	
117	100		
82	57.6	48.2	72.4
119	33.0	25.0	37.6

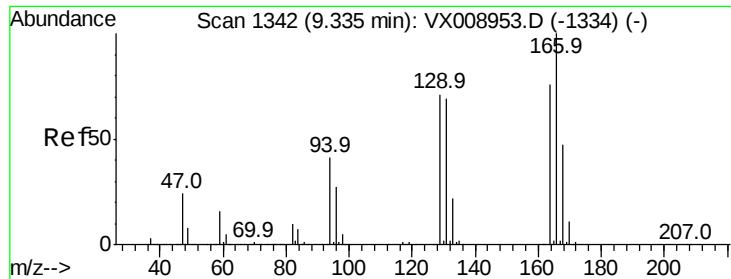


Abundance Ion 116.90 (116.60 to 117.60): VX009173.D (-1420) (-)

Ion 82.00 (81.70 to 82.70): VX009173.D (-1420) (-)

Ion 118.90 (118.60 to 119.60): VX009173.D (-1420) (-)





#64

Tetrachloroethene

Concen: 41.858 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. -0.00 min

Lab File: VX009173.D

Acq: 25 Apr 2019 19:27

Instrument :

MSVOA_X

ClientSampleId :

S37-0016MSD

Tot Ion:164 Resp: 88259

Ion Ratio Lower Upper

164 100

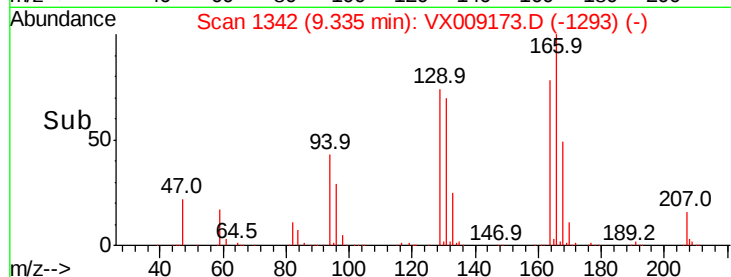
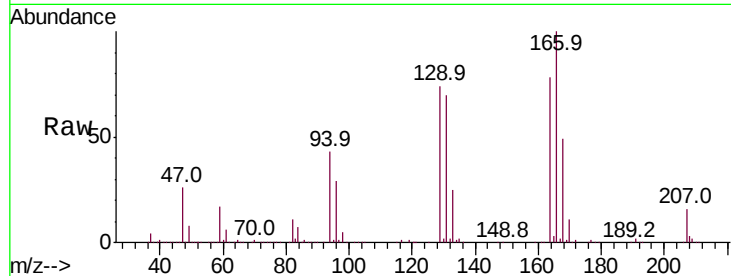
166 127.7 105.0 157.4

129 94.9 74.2 111.4

131 89.3 72.2 108.2

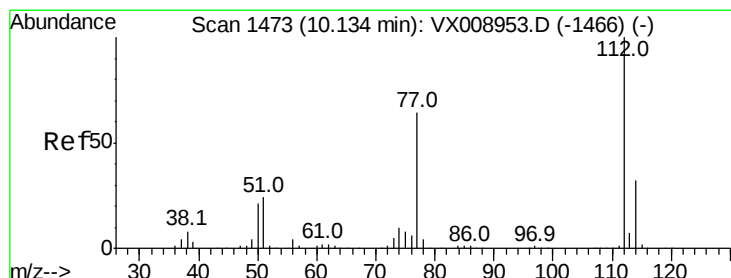
Manual Integrations

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#65

Chlorobenzene

Concen: 46.721 ug/l

RT: 10.14 min Scan# 1474

Delta R.T. 0.01 min

Lab File: VX009173.D

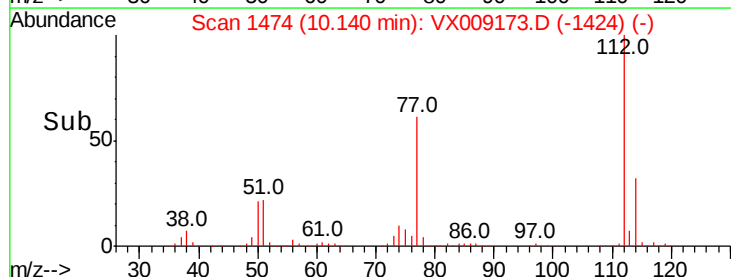
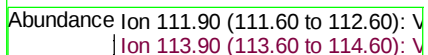
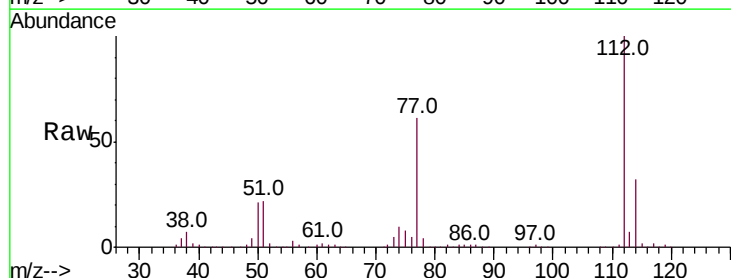
Acq: 25 Apr 2019 19:27

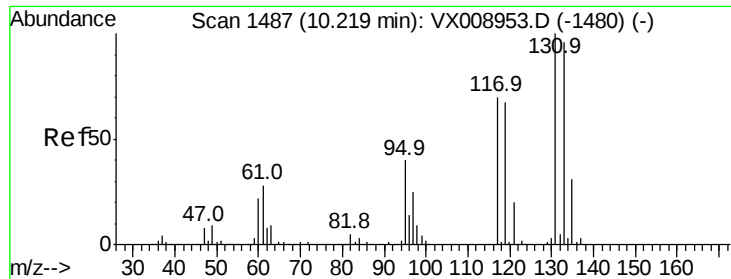
Tgt Ion:112 Resp: 273711

Ion Ratio Lower Upper

112 100

114 32.0 25.4 38.0



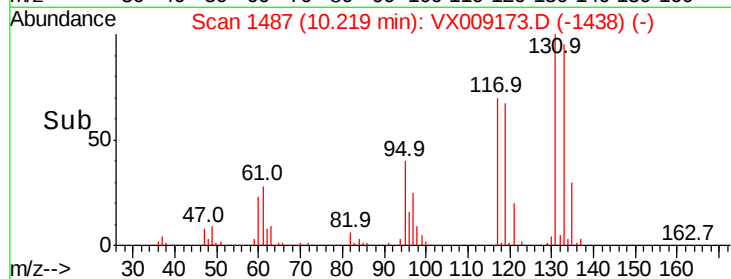
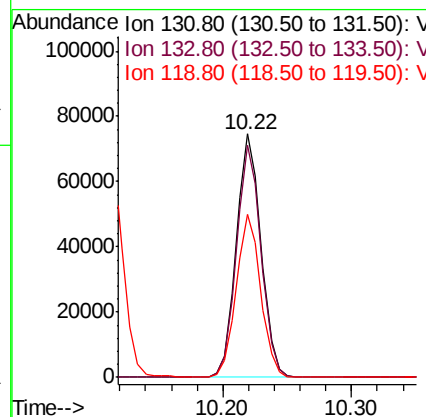
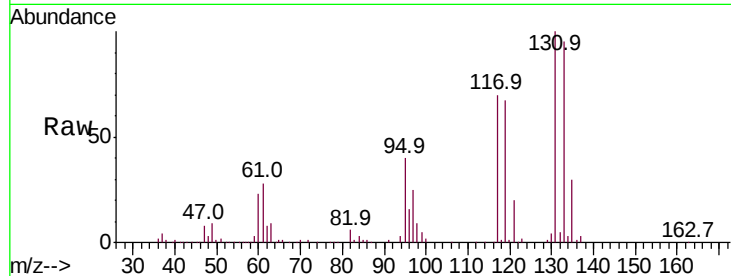


#66
 1,1,1,2-Tetrachloroethane
 Concen: 48.444 ug/l
 RT: 10.22 min Scan# 1487
 Delta R.T. -0.00 min
 Lab File: VX009173.D
 Acq: 25 Apr 2019 19:27

Instrument :
 MSVOA_X
 ClientSampleId :
 S37-0016MSD

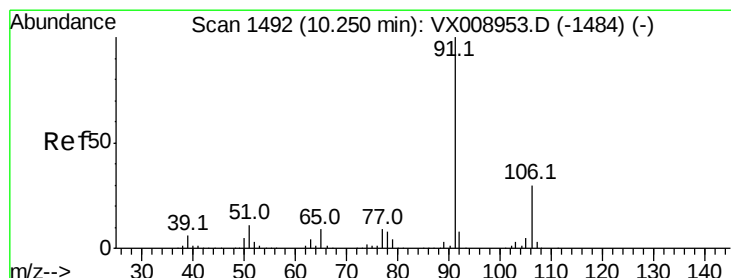
Tot Ion	Ratio	Lower	Upper
131	100		
133	94.8	48.0	144.2
119	66.5	33.7	101.1

Manual Integrations
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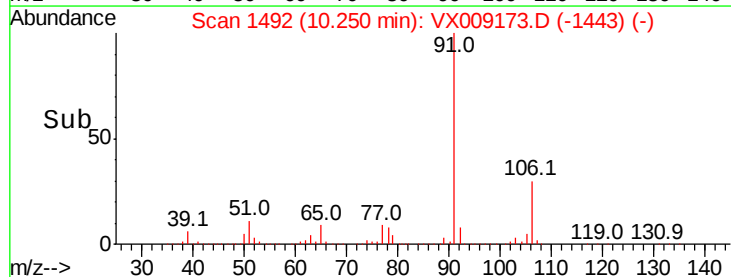
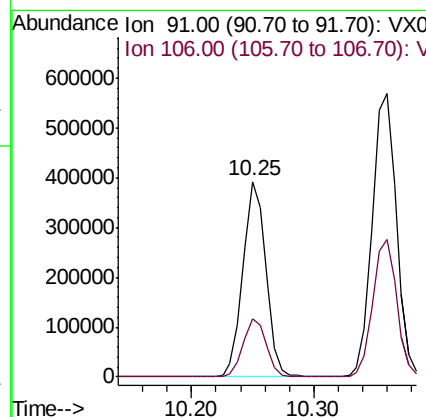
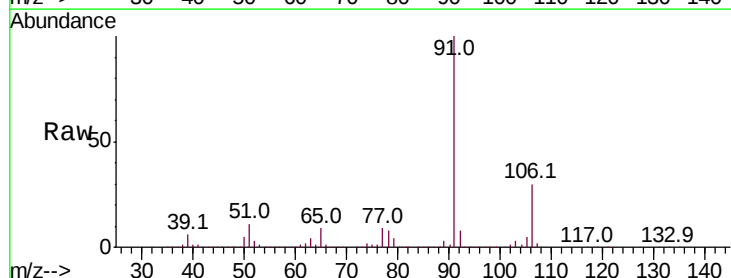
MMdadoda

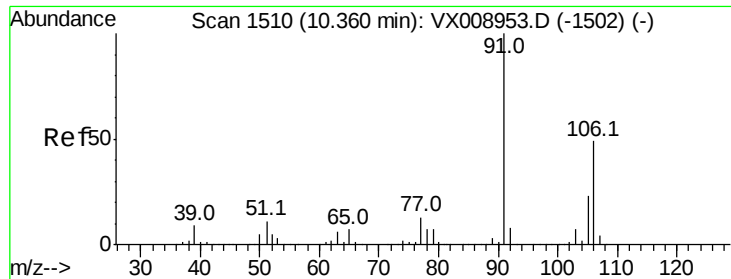
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#67
 Ethyl Benzene
 Concen: 47.600 ug/l
 RT: 10.25 min Scan# 1492
 Delta R.T. -0.00 min
 Lab File: VX009173.D
 Acq: 25 Apr 2019 19:27

Tgt Ion	Ratio	Lower	Upper
91	100		
106	29.7	24.3	36.5





#68

m/p-Xylenes

Concen: 96.044 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX009173.D

Acq: 25 Apr 2019 19:27

Instrument :

MSVOA_X

ClientSampled :

S37-0016MSD

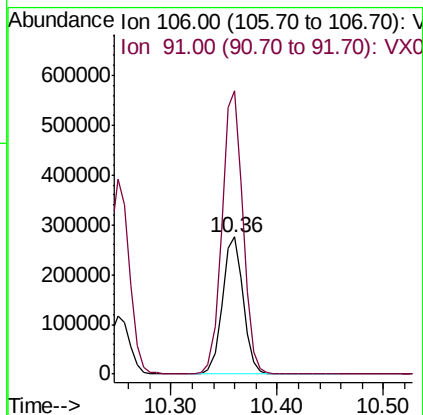
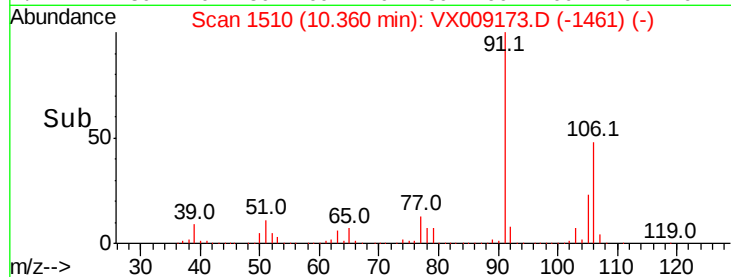
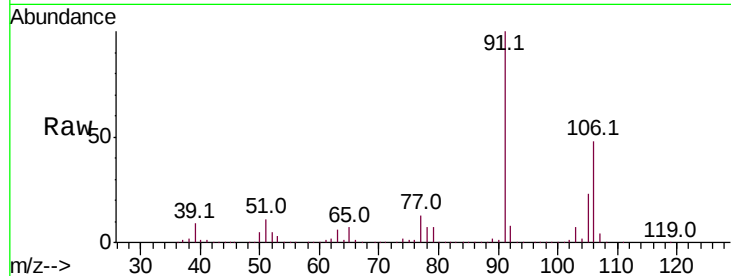
Tot Ion:106 Resp: 373814

Ion Ratio Lower Upper

106 100

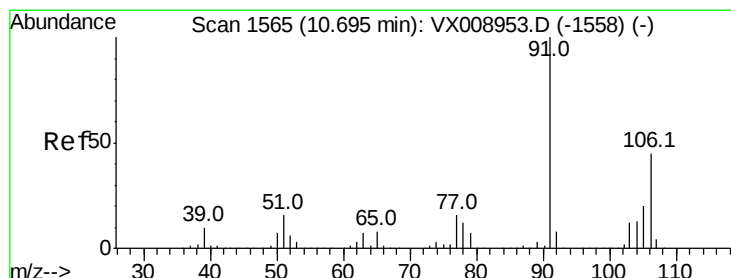
91 208.4 165.4 248.2

Manual Integrations
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#69

o-Xylene

Concen: 48.393 ug/l

RT: 10.70 min Scan# 1566

Delta R.T. 0.01 min

Lab File: VX009173.D

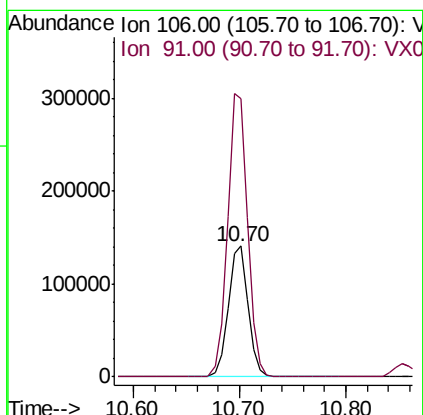
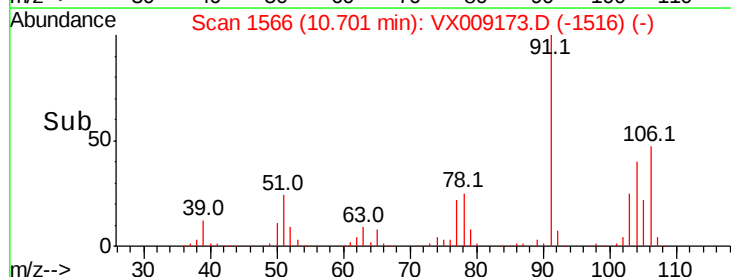
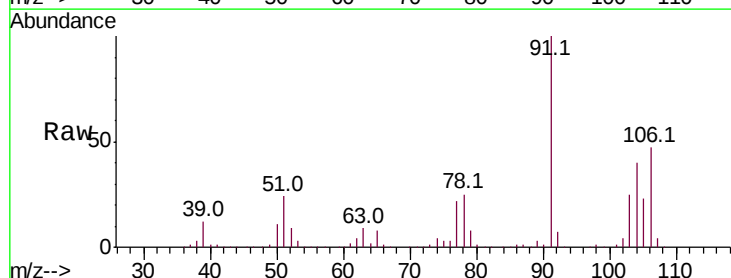
Acq: 25 Apr 2019 19:27

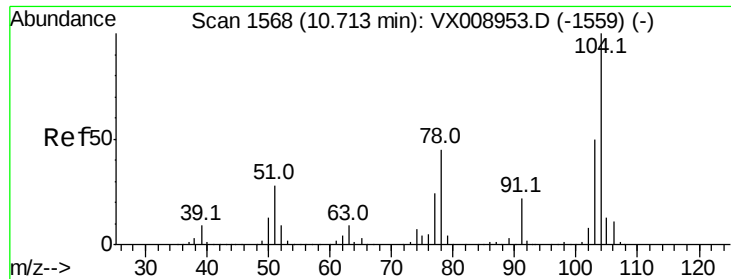
Tgt Ion:106 Resp: 183266

Ion Ratio Lower Upper

106 100

91 219.4 108.9 326.7





#70

Stvrene

Concen: 48.727 ug/l

RT: 10.71 min Scan# 1568

Delta R.T. -0.00 min

Lab File: VX009173.D

Acq: 25 Apr 2019 19:27

Instrument :

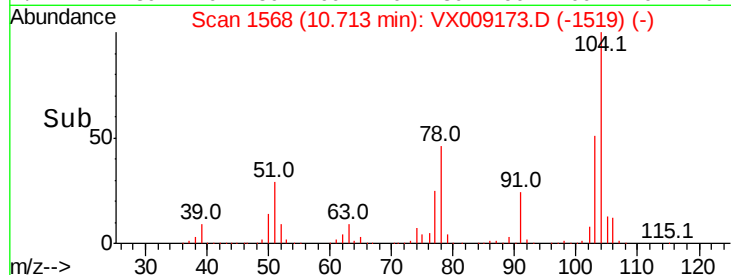
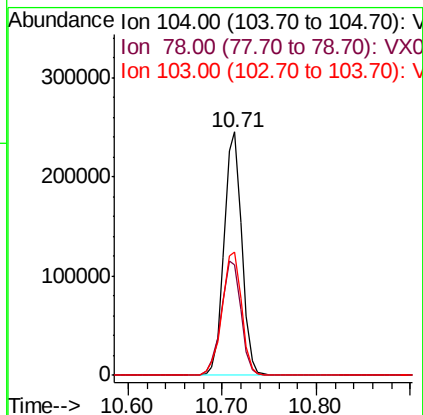
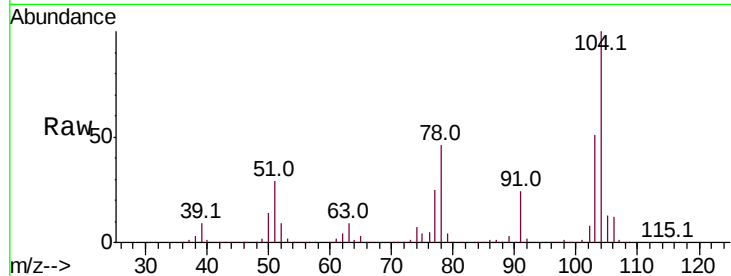
MSVOA_X

ClientSampleId :

S37-0016MSD

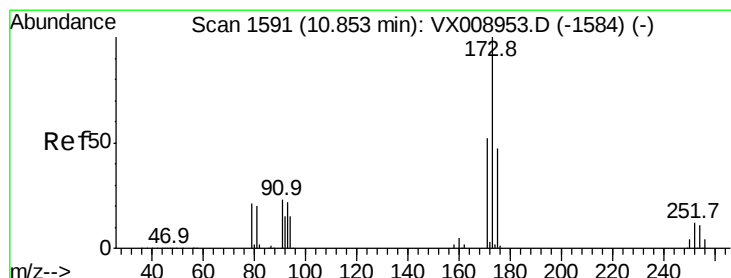
Tot Ion:	104	Resp:	319782
Ion Ratio	Lower	Upper	
104	100		
78	52.4	41.2	61.8
103	55.8	43.9	65.9

Manual Integrations
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#71

Bromoform

Concen: 50.504 ug/l

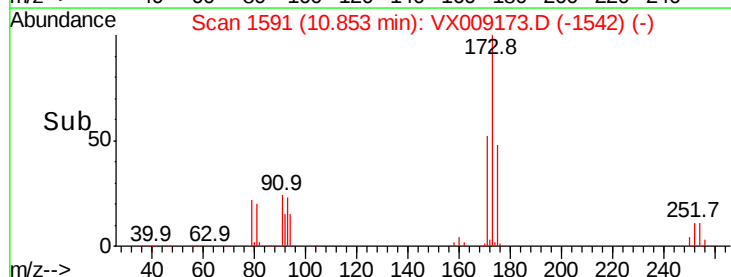
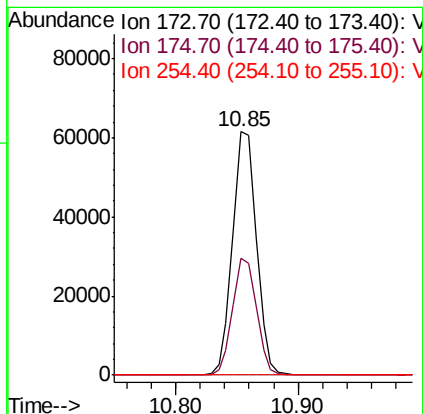
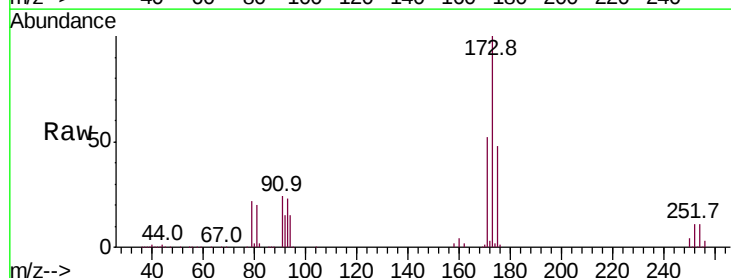
RT: 10.85 min Scan# 1591

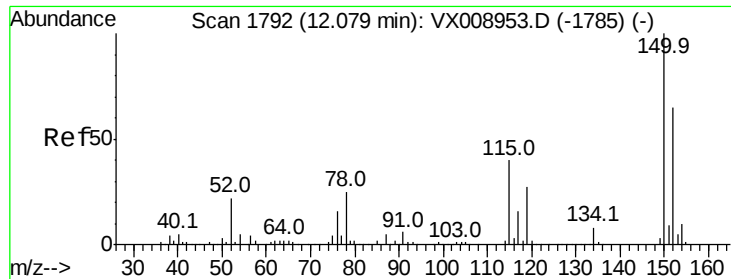
Delta R.T. -0.00 min

Lab File: VX009173.D

Acq: 25 Apr 2019 19:27

Tgt Ion:	173	Resp:	83041
Ion Ratio	Lower	Upper	
173	100		
175	48.1	23.9	71.8
254	0.1	0.2	0.4#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX009173.D

Acq: 25 Apr 2019 19:27

Instrument :

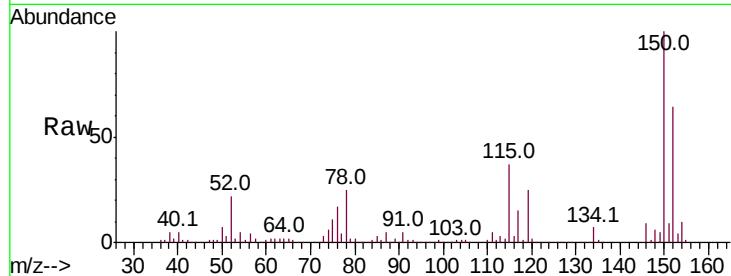
MSVOA_X

ClientSampled :

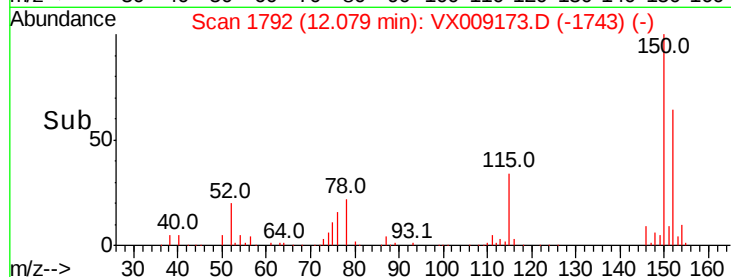
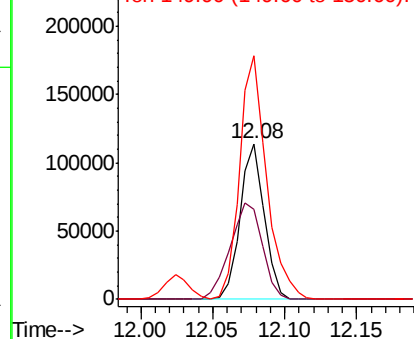
S37-0016MSD

Tot Ion:	152	Resp:	133965
Ion Ratio	Lower	Upper	
152	100		
115	82.1	41.4	124.2
150	174.0	0.0	349.8

Manual Integrations
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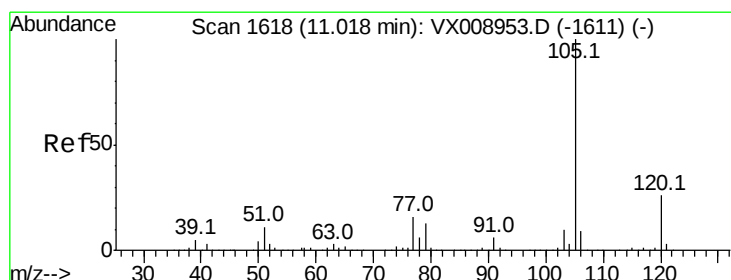


Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



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#73

Isopropylbenzene

Concen: 47.993 ug/l

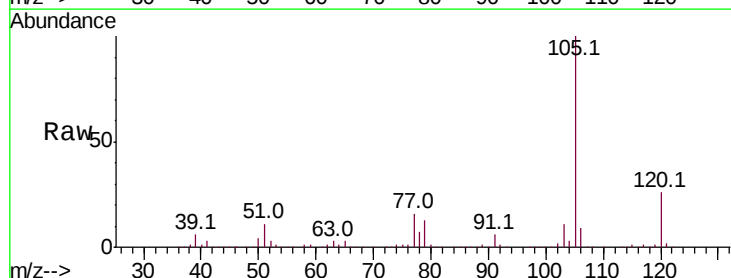
RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

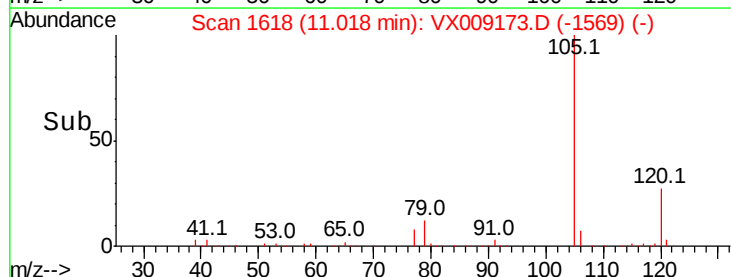
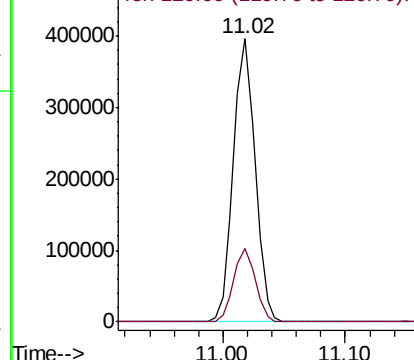
Lab File: VX009173.D

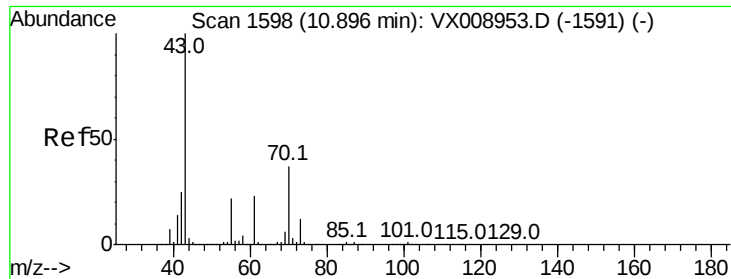
Acq: 25 Apr 2019 19:27

Tgt Ion:	105	Resp:	487345
Ion Ratio	Lower	Upper	
105	100		
120	25.8	12.9	38.7



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 44.728 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX009173.D

Acq: 25 Apr 2019 19:27

Instrument :

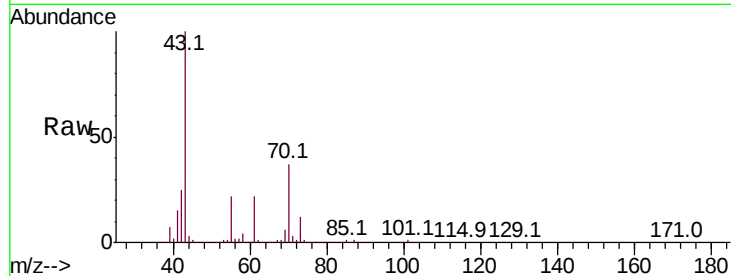
MSVOA_X

ClientSampleId :

S37-0016MSD

Tot Ion	43	Resp	260781
Ion Ratio	Lower	Upper	
43	100		
70	36.9	29.9	44.9
55	22.4	17.8	26.8
61	22.4	18.3	27.5

Manual Integrations
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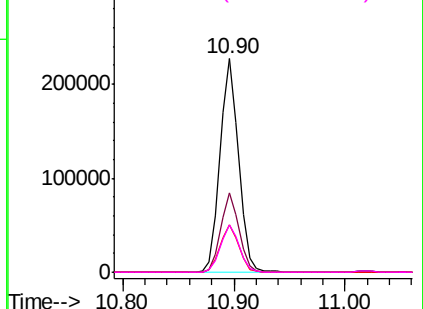
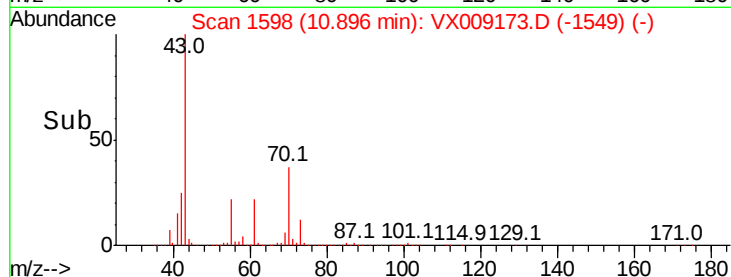


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

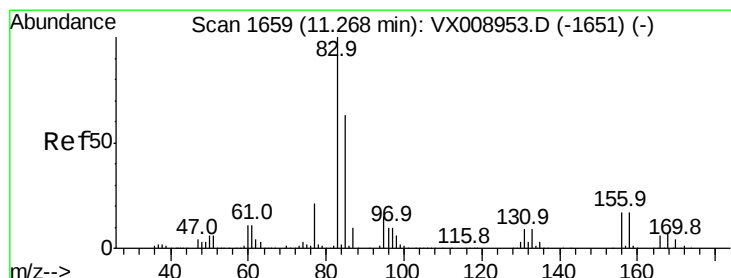
Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0



MMdadoda

4/26/2019 10:05:31 AM



#75

1,1,2,2-Tetrachloroethane

Concen: 49.863 ug/l

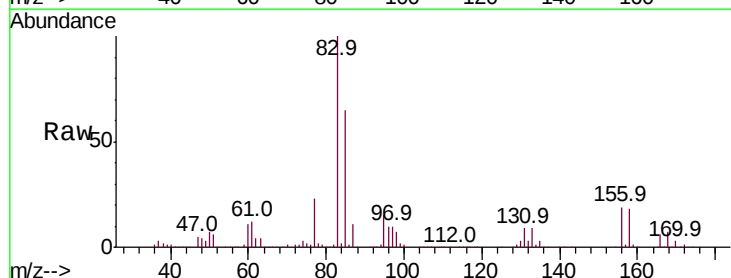
RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX009173.D

Acq: 25 Apr 2019 19:27

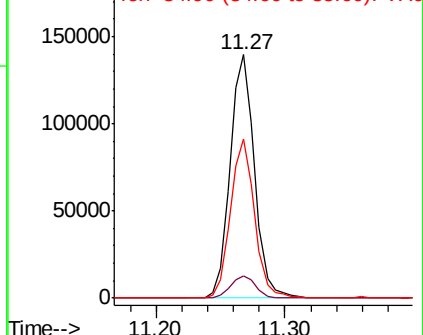
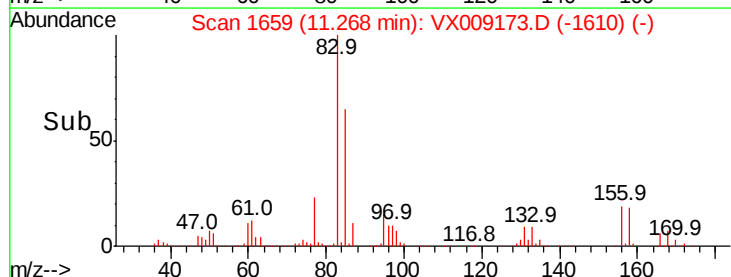
Tgt Ion	83	Resp	185003
Ion Ratio	Lower	Upper	
83	100		
131	9.3	4.7	14.0
85	64.7	31.9	95.9

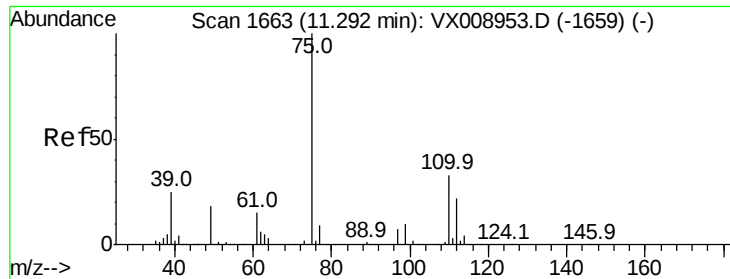


Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0



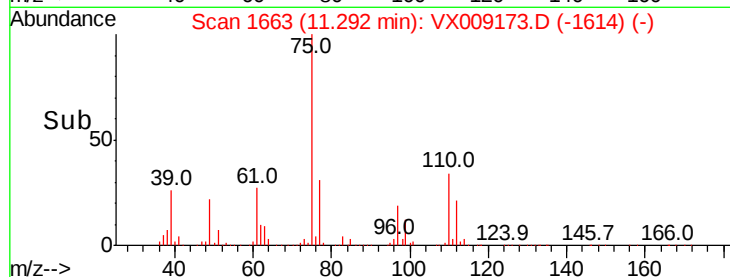
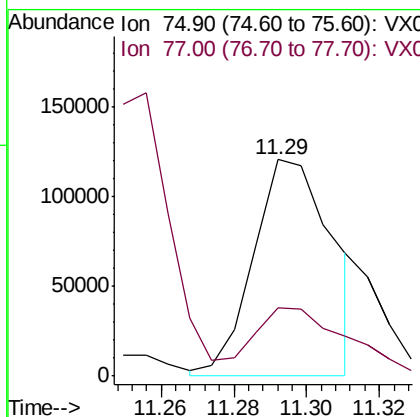
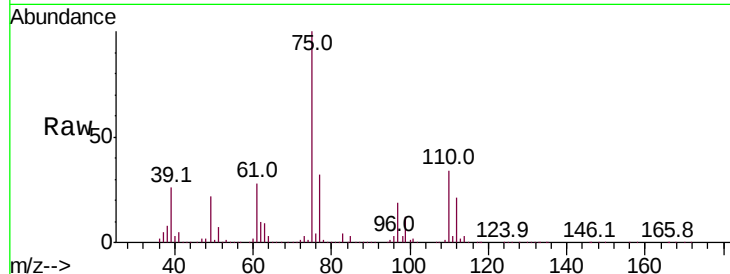


#76
 1,2,3-Trichloropropane
 Concen: 55.473 ug/l m
 RT: 11.29 min Scan# 1663
 Delta R.T. -0.00 min
 Lab File: VX009173.D
 Acq: 25 Apr 2019 19:27

Instrument :
 MSVOA_X
 ClientSampled :
 S37-0016MSD

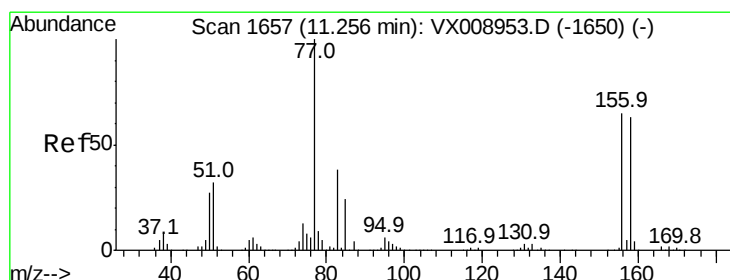
Tot Ion: 75 Resp: 181460
 Ion Ratio Lower Upper
 75 100
 77 38.1 22.7 68.0

Manual Integrations
 APPROVED



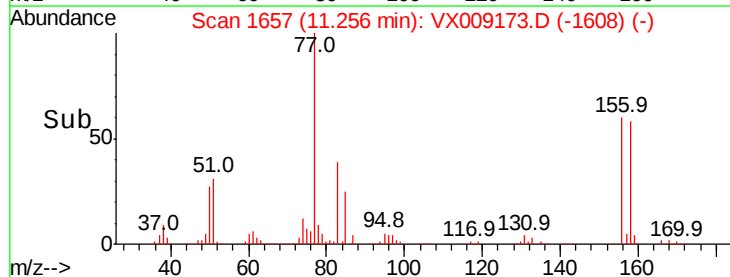
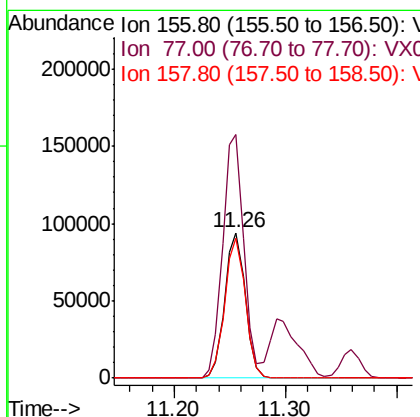
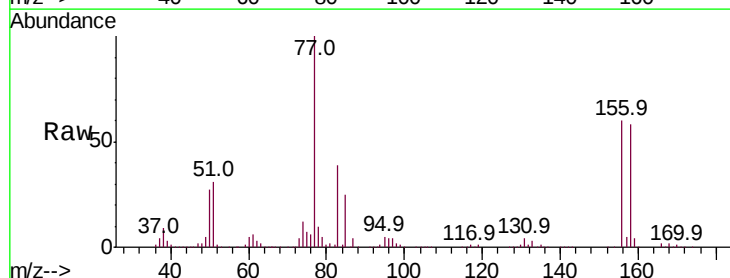
MMdadoda

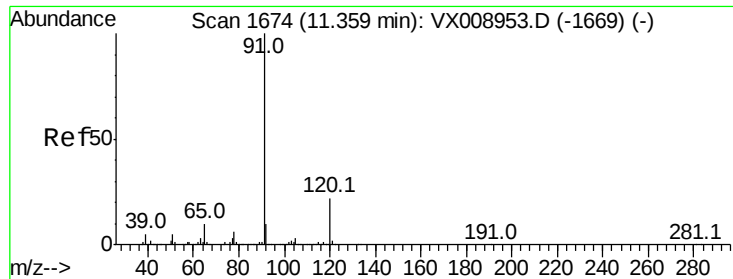
4/26/2019 10:05:31 AM



#77
 Bromobenzene
 Concen: 47.023 ug/l
 RT: 11.26 min Scan# 1657
 Delta R.T. -0.00 min
 Lab File: VX009173.D
 Acq: 25 Apr 2019 19:27

Tgt Ion: 156 Resp: 120475
 Ion Ratio Lower Upper
 156 100
 77 171.1 85.4 256.1
 158 96.5 48.8 146.4





#78

n-propylbenzene

Concen: 48.269 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX009173.D

Acq: 25 Apr 2019 19:27

Instrument :

MSVOA_X

ClientSampled :

S37-0016MSD

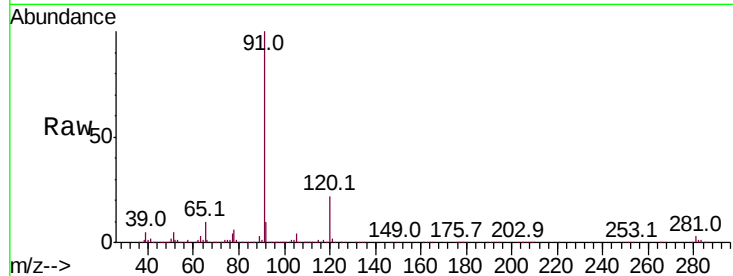
Tot Ion: 91 Resp: 562578

Ion Ratio Lower Upper

91 100

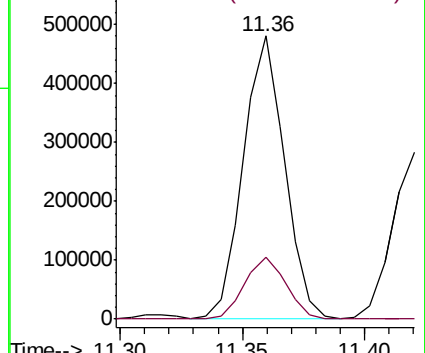
120 22.0 10.9 32.9

Manual Integrations
APPROVED



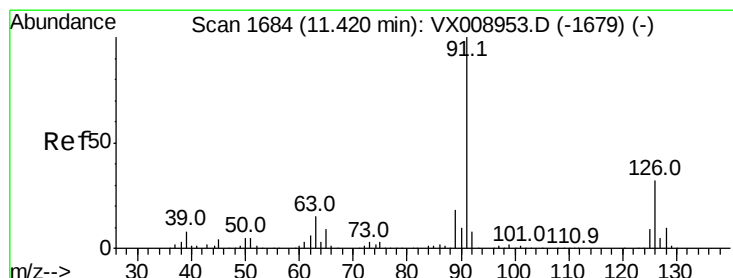
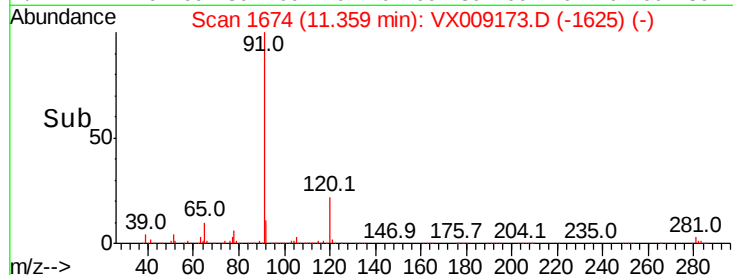
Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V



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#79

2-Chlorotoluene

Concen: 48.226 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX009173.D

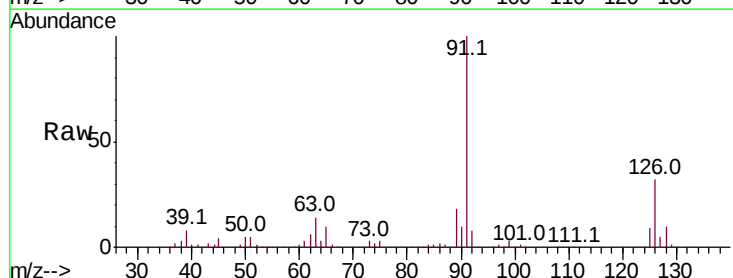
Acq: 25 Apr 2019 19:27

Tgt Ion: 91 Resp: 338704

Ion Ratio Lower Upper

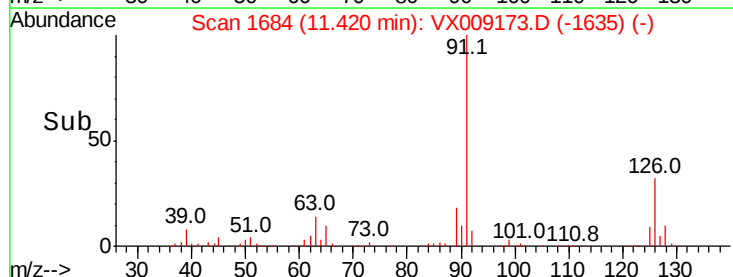
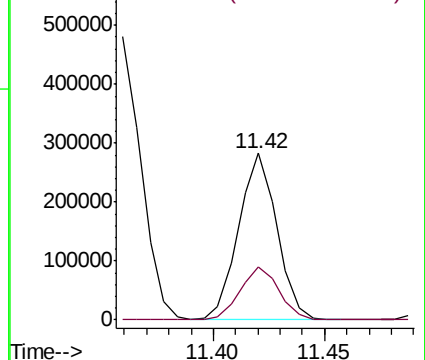
91 100

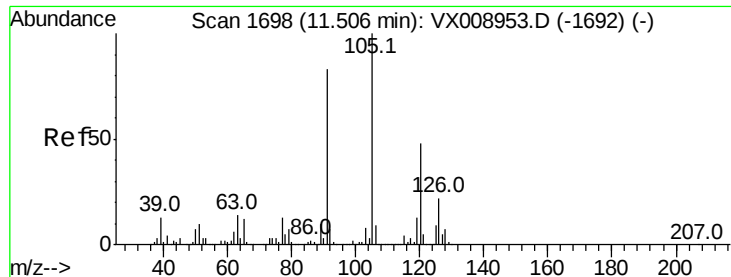
126 32.2 16.3 48.9



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V



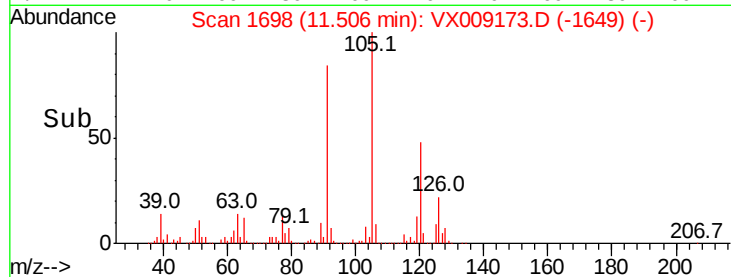
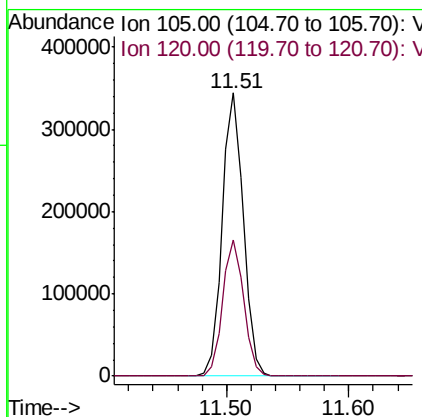
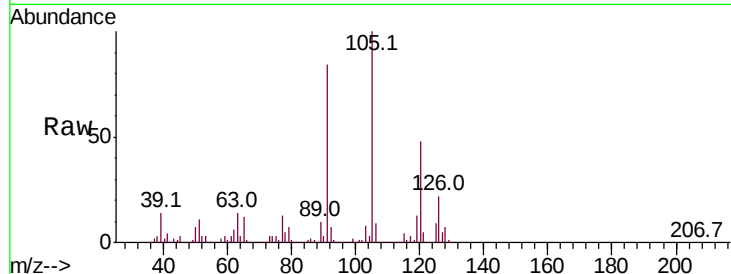


#80
 1,3,5-Trimethylbenzene
 Concen: 48.285 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VX009173.D
 Acq: 25 Apr 2019 19:27

Instrument :
 MSVOA_X
 ClientSampleId :
 S37-0016MSD

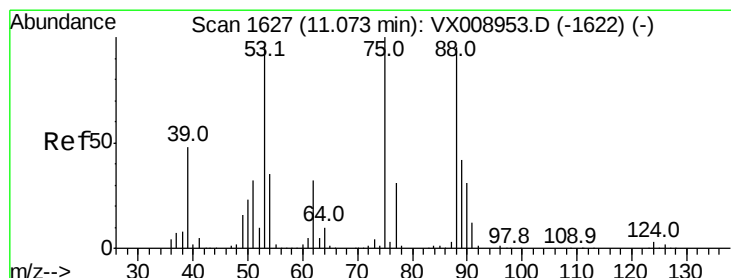
Tot Ion:105 Resp: 411442
 Ion Ratio Lower Upper
 105 100
 120 48.1 24.1 72.3

Manual Integrations
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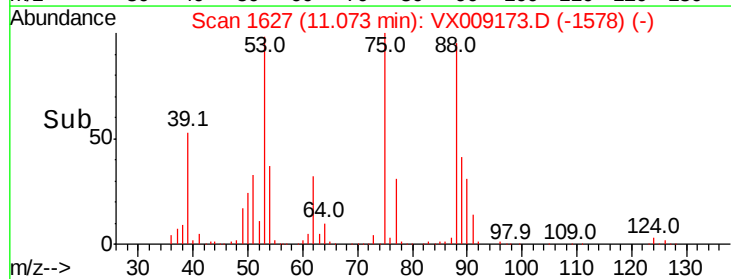
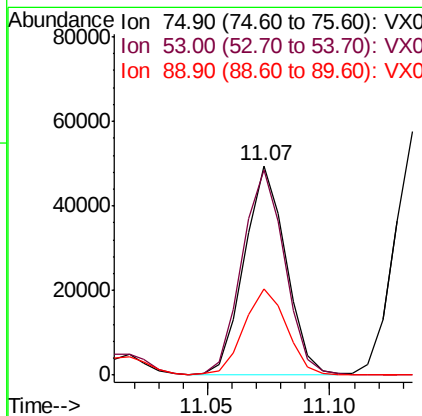
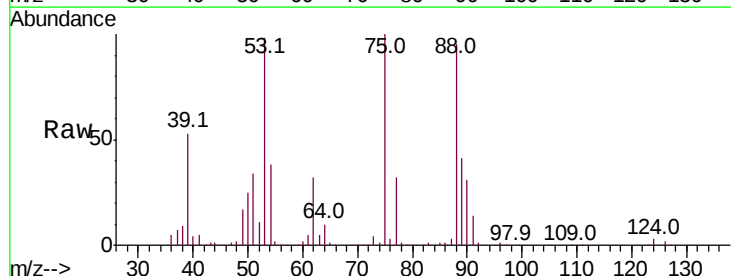
MMdadoda

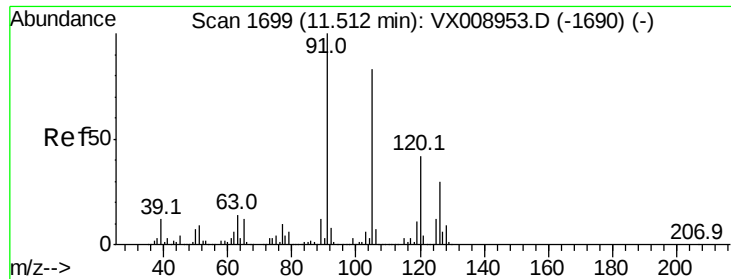
4/26/2019 10:05:31 AM



#81
 trans-1,4-Dichloro-2-butene
 Concen: 45.974 ug/l
 RT: 11.07 min Scan# 1627
 Delta R.T. -0.00 min
 Lab File: VX009173.D
 Acq: 25 Apr 2019 19:27

Tgt Ion: 75 Resp: 58579
 Ion Ratio Lower Upper
 75 100
 53 100.9 78.2 117.4
 89 42.6 36.0 54.0





#82

4-Chlorotoluene

Concen: 47.533 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. -0.00 min

Lab File: VX009173.D

Acq: 25 Apr 2019 19:27

Instrument :

MSVOA_X

ClientSampled :

S37-0016MSD

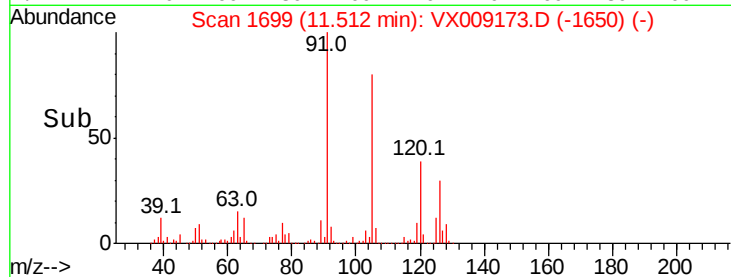
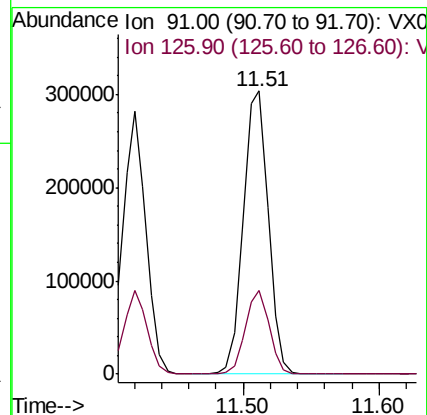
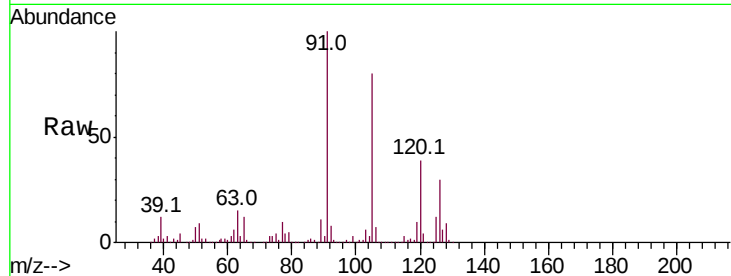
Tot Ion: 91 Resp: 387716

Ion Ratio Lower Upper

91 100

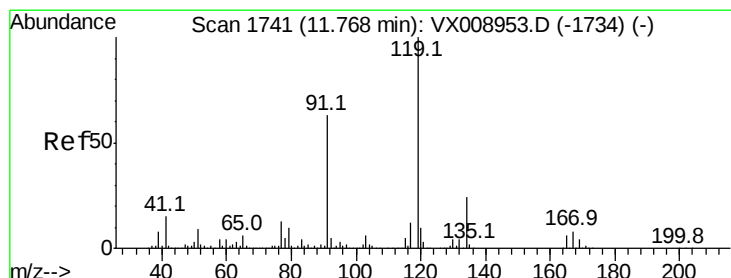
126 28.5 14.3 42.9

Manual Integrations
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#83

tert-Butylbenzene

Concen: 48.849 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VX009173.D

Acq: 25 Apr 2019 19:27

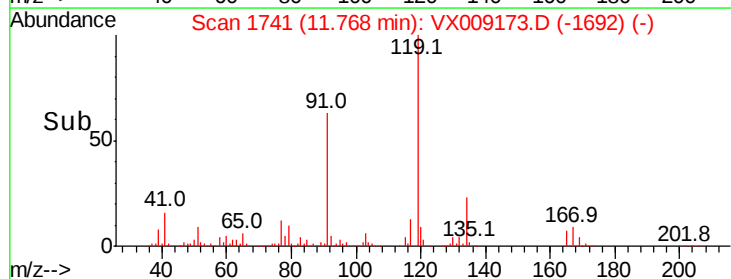
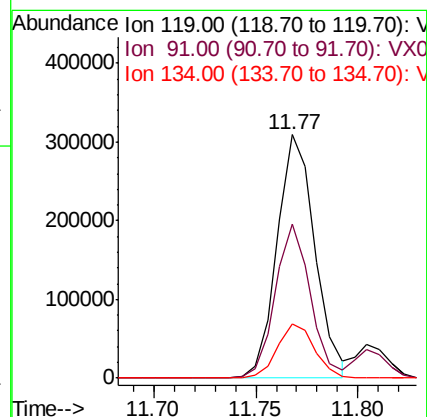
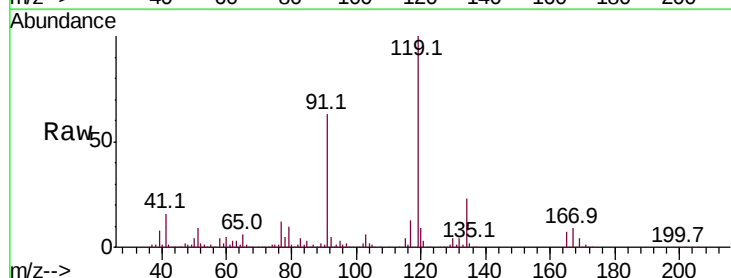
Tgt Ion: 119 Resp: 399639

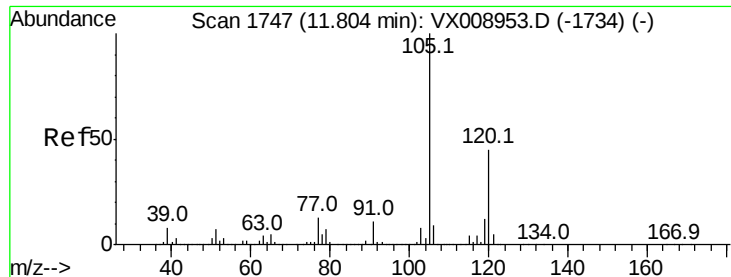
Ion Ratio Lower Upper

119 100

91 58.8 29.7 89.1

134 22.0 11.2 33.5



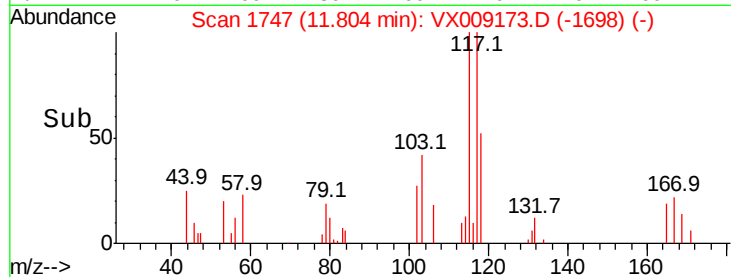
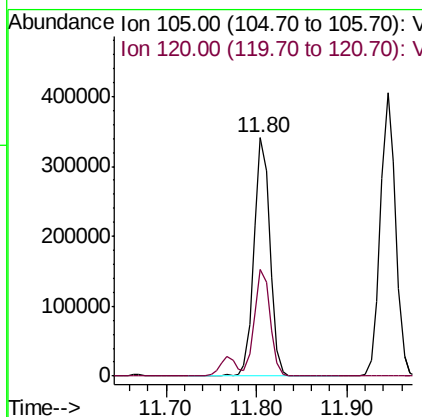
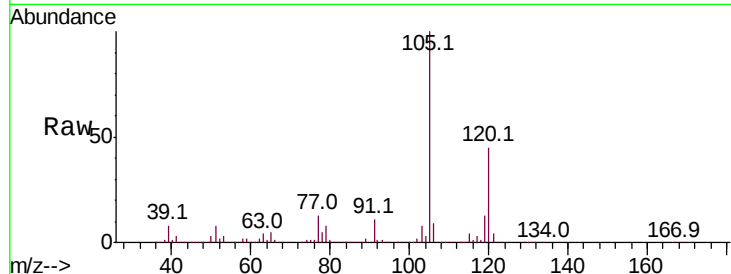


#84
 1,2,4-Trimethylbenzene
 Concen: 47.810 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. -0.00 min
 Lab File: VX009173.D
 Acq: 25 Apr 2019 19:27

Instrument :
 MSVOA_X
 ClientSampleId :
 S37-0016MSD

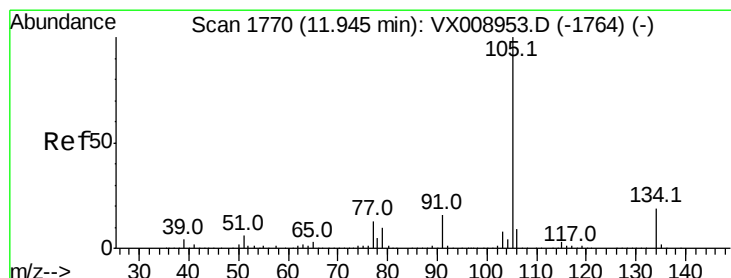
Tot Ion	Ratio	Lower	Upper
105	100		
120	43.8	21.9	65.8

Manual Integrations
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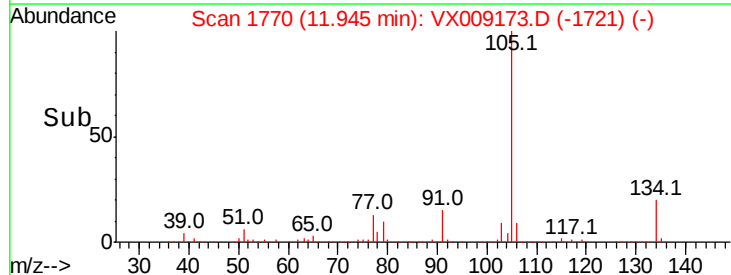
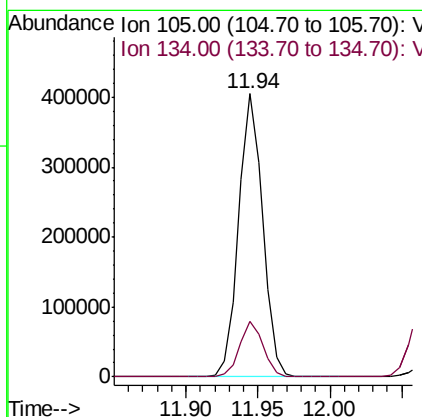
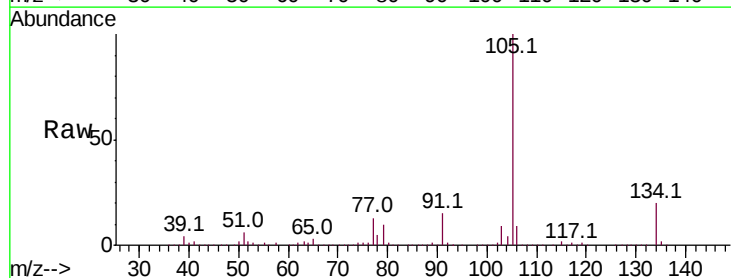
MMdadoda

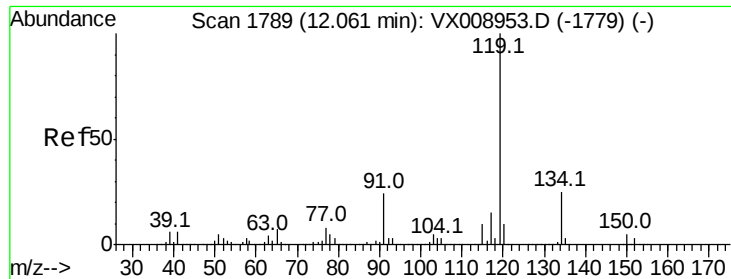
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#85
 sec-Butylbenzene
 Concen: 48.292 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. -0.00 min
 Lab File: VX009173.D
 Acq: 25 Apr 2019 19:27

Tgt Ion	Ratio	Lower	Upper
105	100		
134	19.3	9.6	28.6



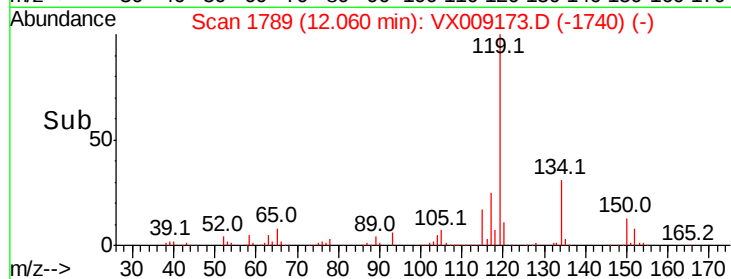
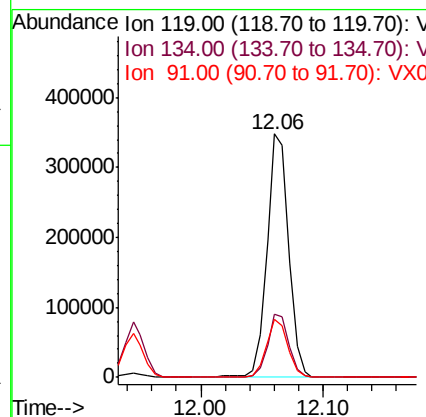
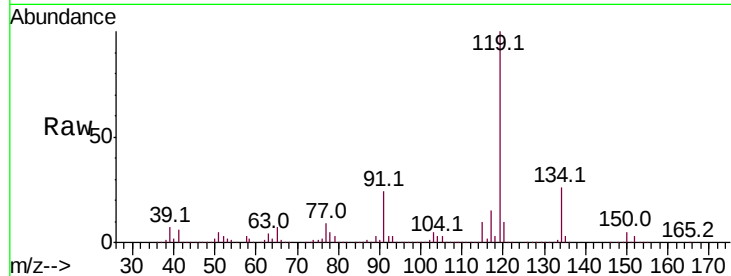


#86
p-Isopropyltoluene
Concen: 47.790 ug/l
RT: 12.06 min Scan# 1789
Delta R.T. -0.00 min
Lab File: VX009173.D
Acq: 25 Apr 2019 19:27

Instrument :
MSVOA_X
ClientSampled :
S37-0016MSD

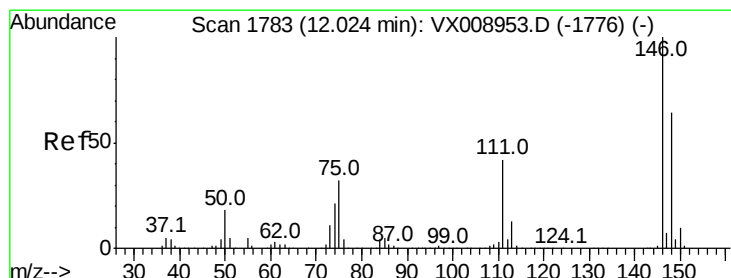
Tot Ion	Ratio	Resp	Lower	Upper
119	100	428710		
134	25.5		12.9	38.6
91	23.6		11.9	35.5

Manual Integrations
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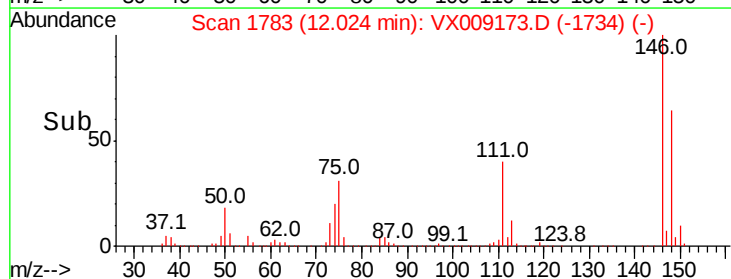
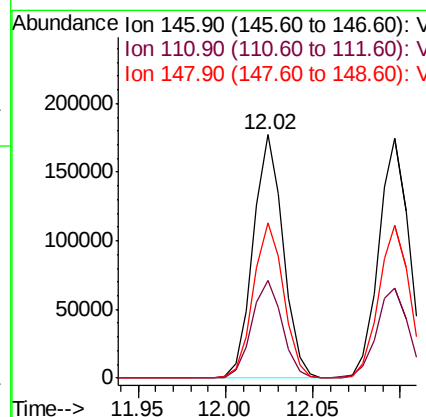
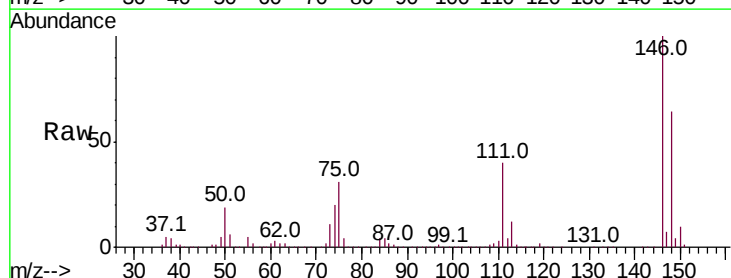
MMdadoda

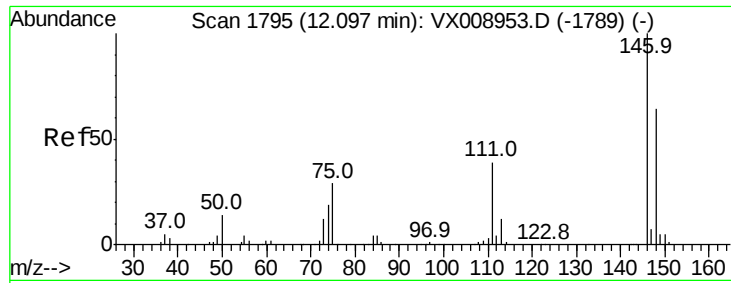
4/26/2019 10:05:31 AM



#87
1,3-Dichlorobenzene
Concen: 47.020 ug/l
RT: 12.02 min Scan# 1783
Delta R.T. -0.00 min
Lab File: VX009173.D
Acq: 25 Apr 2019 19:27

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	210844		
111	40.7		20.5	61.6
148	64.2		32.2	96.6



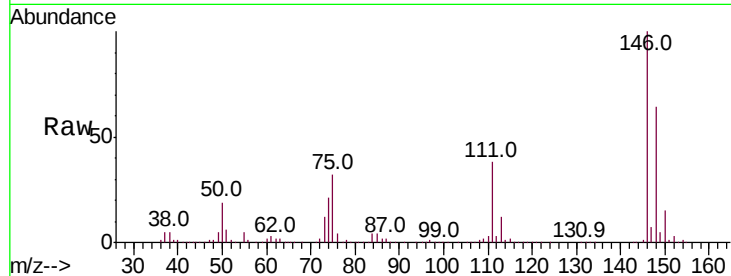


#88
 1,4-Dichlorobenzene
 Concen: 46.038 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX009173.D
 Acq: 25 Apr 2019 19:27

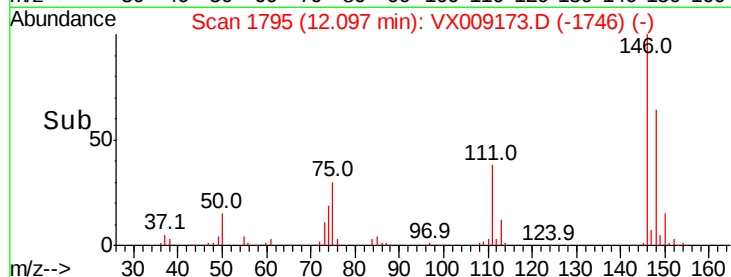
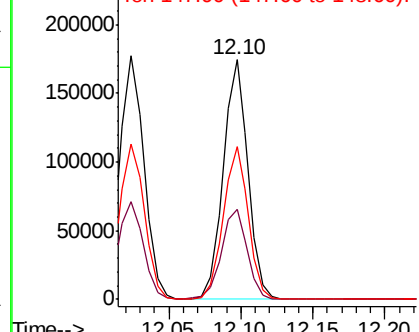
Instrument :
 MSVOA_X
 ClientSampled :
 S37-0016MSD

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.5	20.0	59.9
148	64.7	32.2	96.6

Manual Integrations
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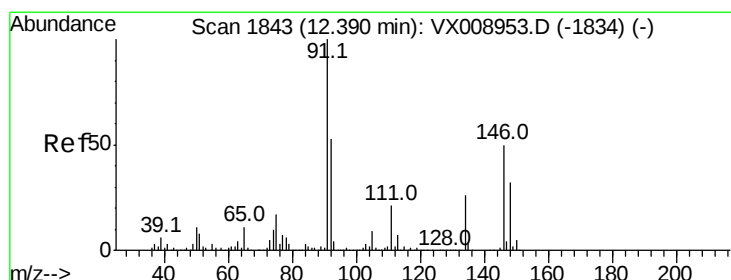


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V



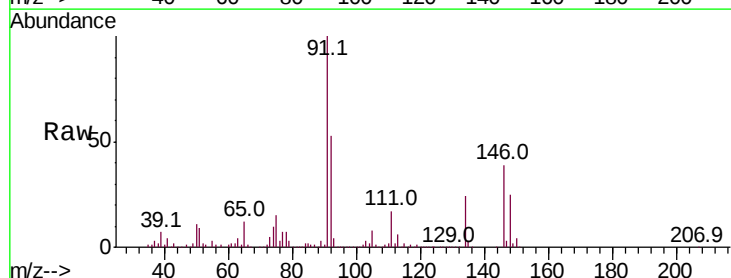
MMdadoda

4/26/2019 10:05:31 AM

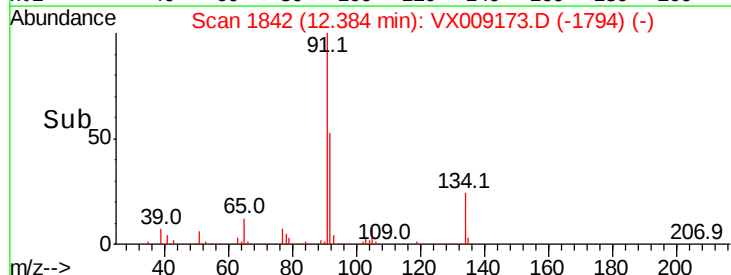
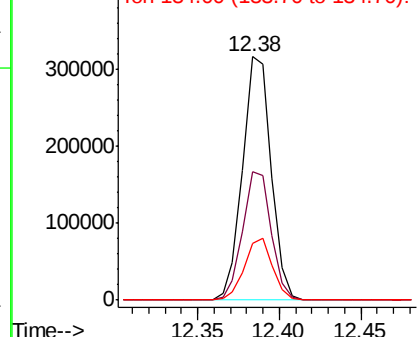


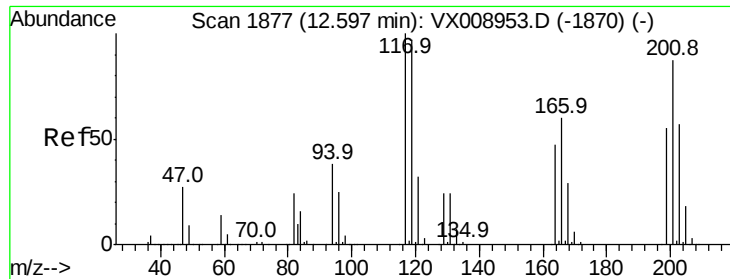
#89
 n-Butylbenzene
 Concen: 46.232 ug/l
 RT: 12.38 min Scan# 1842
 Delta R.T. -0.01 min
 Lab File: VX009173.D
 Acq: 25 Apr 2019 19:27

Tgt Ion	Ratio	Lower	Upper
91	100		
92	52.7	26.6	79.8
134	24.9	12.4	37.2



Abundance Ion 91.00 (90.70 to 91.70): VX0
 Ion 92.00 (91.70 to 92.70): VX0
 Ion 134.00 (133.70 to 134.70): V



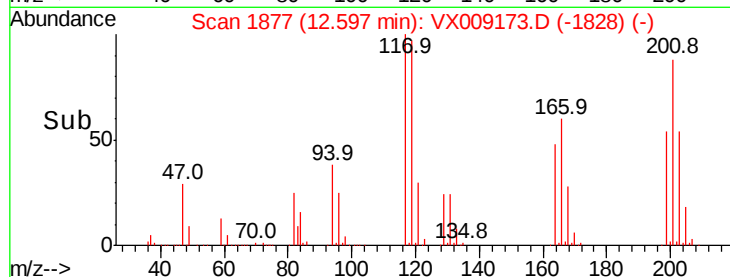
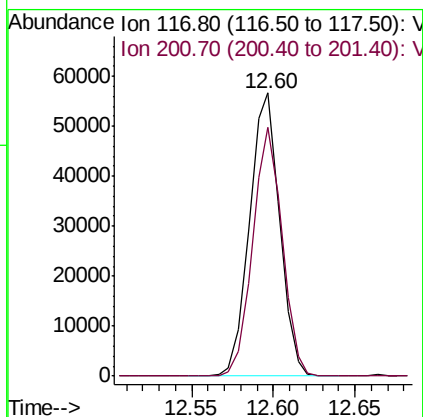
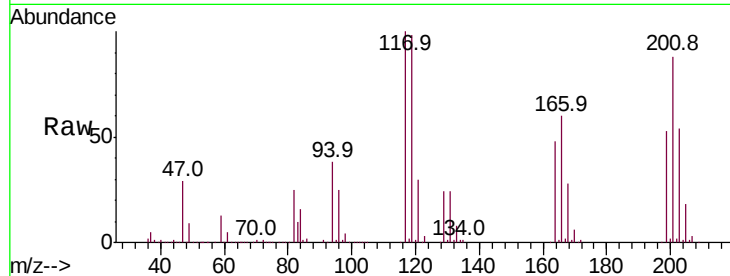


#90
Hexachloroethane
Concen: 49.419 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX009173.D
Acq: 25 Apr 2019 19:27

Instrument :
MSVOA_X
ClientSampled :
S37-0016MSD

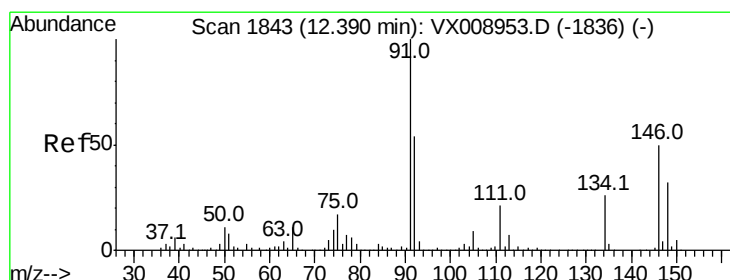
Tot Ion:117 Resp: 73127
Ion Ratio Lower Upper
117 100
201 85.6 43.0 129.0

Manual Integrations
APPROVED



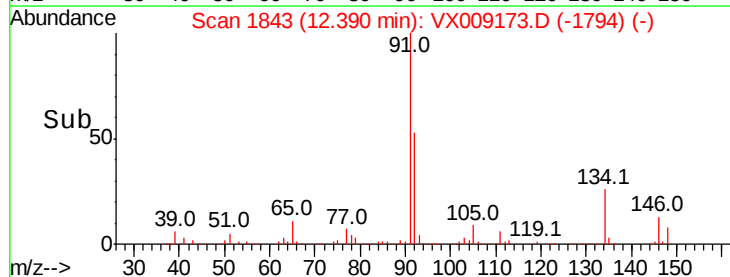
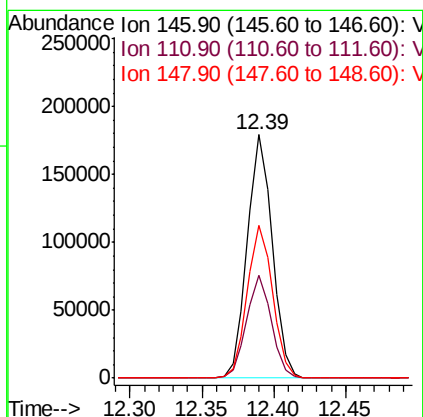
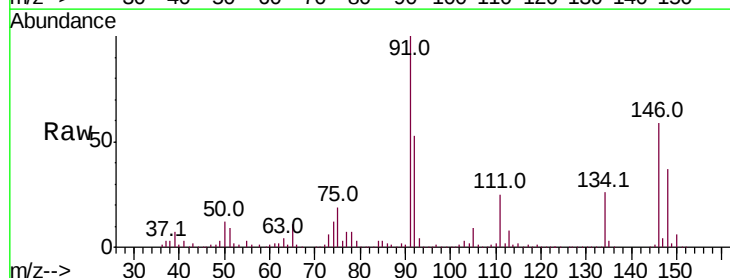
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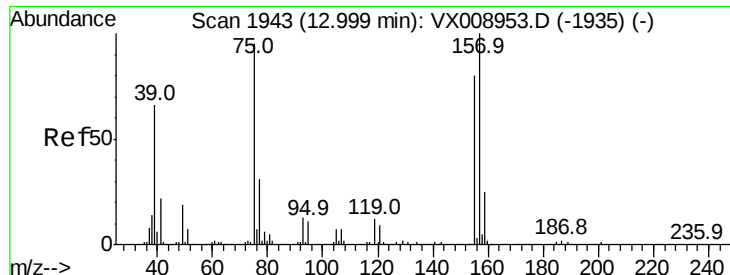
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#91
1,2-Dichlorobenzene
Concen: 48.502 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VX009173.D
Acq: 25 Apr 2019 19:27

Tgt Ion:146 Resp: 214764
Ion Ratio Lower Upper
146 100
111 41.7 20.6 61.9
148 63.8 32.0 96.2



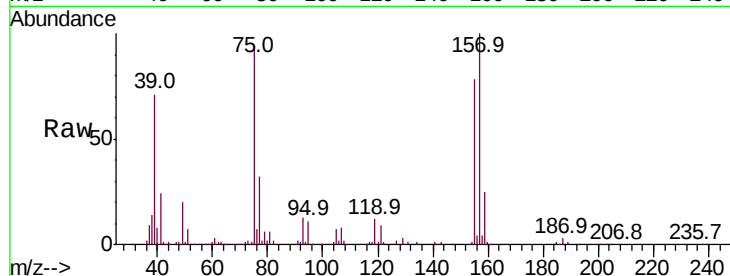


#92
 1,2-Dibromo-3-Chloropropane
 Concen: 49.566 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX009173.D
 Acq: 25 Apr 2019 19:27

Instrument :
 MSVOA_X
 ClientSampled :
 S37-0016MSD

Tot Ion	Ratio	Lower	Upper
75	100		
155	81.6	41.2	123.6
157	105.2	52.5	157.6

Manual Integrations
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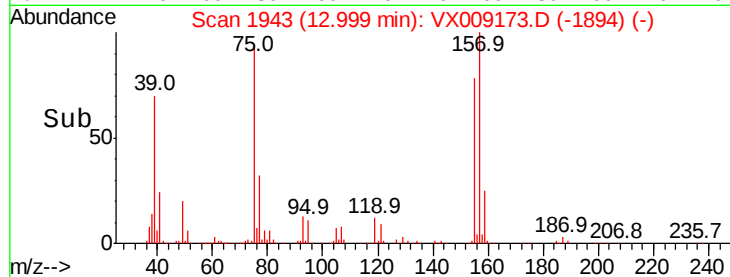
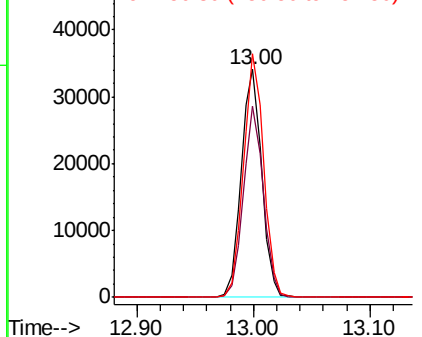


Abundance

Ion 74.90 (74.60 to 75.60): VX008953.D (-1935) (-)

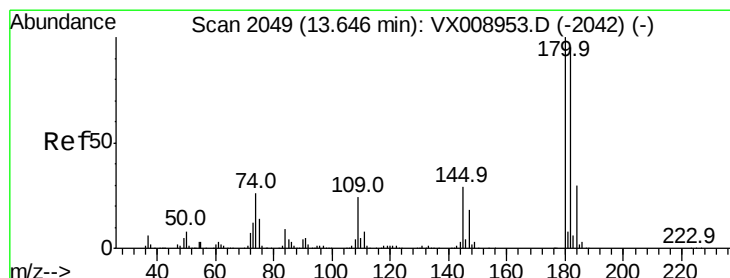
Ion 154.80 (154.50 to 155.50): VX008953.D (-1935) (-)

Ion 156.80 (156.50 to 157.50): VX008953.D (-1935) (-)



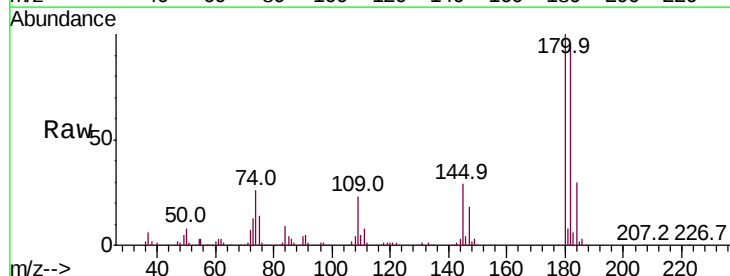
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#93
 1,2,4-Trichlorobenzene
 Concen: 46.088 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX009173.D
 Acq: 25 Apr 2019 19:27

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.8	47.6	142.9
145	29.1	14.8	44.4

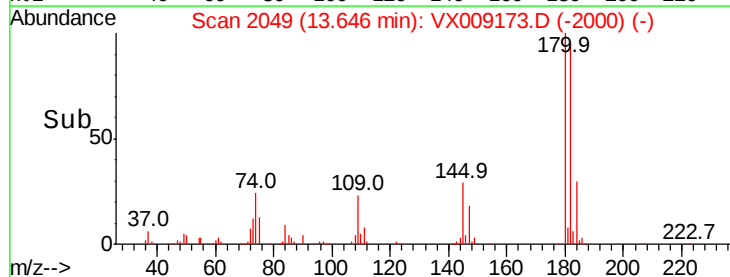
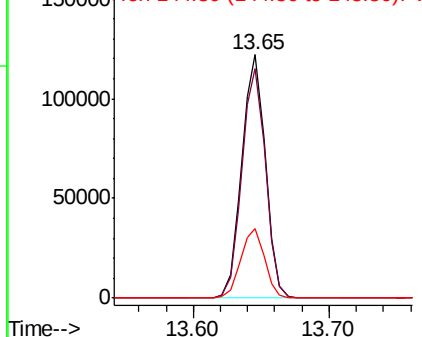


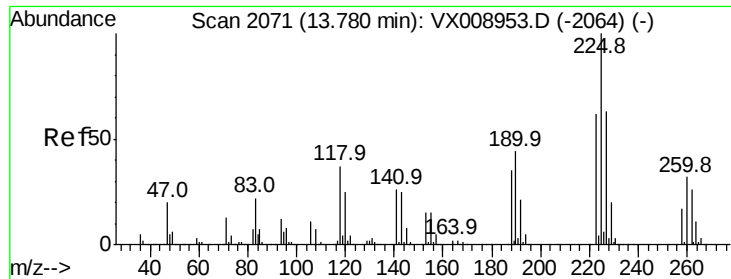
Abundance

Ion 179.80 (179.50 to 180.50): VX008953.D (-2042) (-)

Ion 181.80 (181.50 to 182.50): VX008953.D (-2042) (-)

Ion 144.80 (144.50 to 145.50): VX008953.D (-2042) (-)



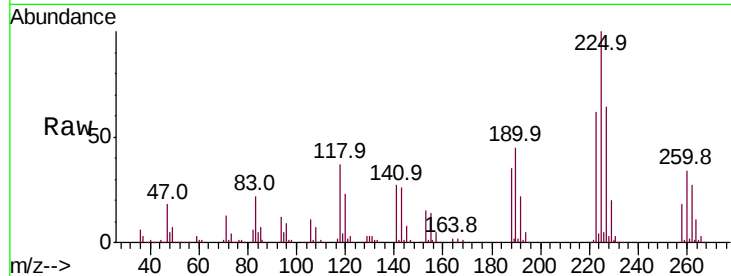


#94
Hexachlorobutadiene
Concen: 46.104 ug/l
RT: 13.78 min Scan# 2071
Delta R.T. -0.00 min
Lab File: VX009173.D
Acq: 25 Apr 2019 19:27

Instrument :
MSVOA_X
ClientSampleId :
S37-0016MSD

Tot Ion	Ratio	Resp	Lower	Upper
225	100			
223	61.9	31.1	93.2	
227	64.2	32.0	96.2	

Manual Integrations
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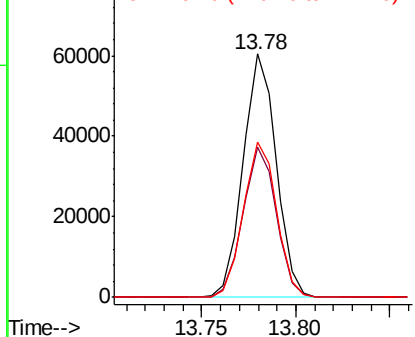


Abundance

Ion 224.70 (224.40 to 225.40): V

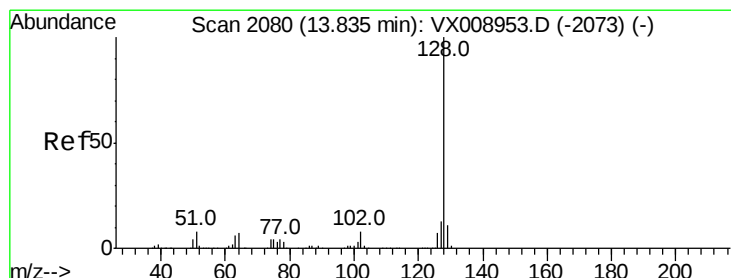
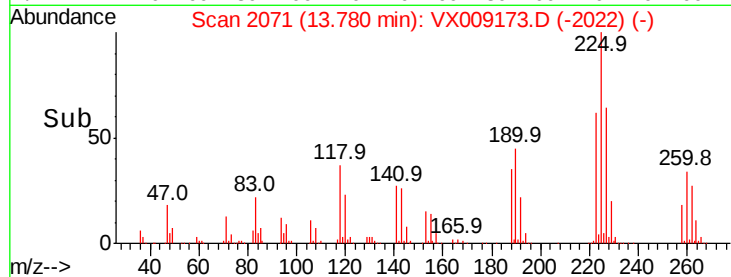
Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V



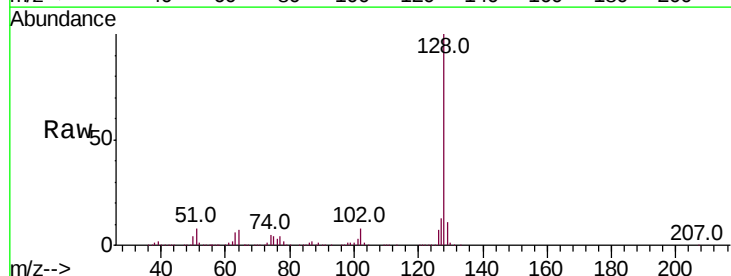
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#95
Naphthalene
Concen: 48.734 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VX009173.D
Acq: 25 Apr 2019 19:27

Tgt Ion	Ratio	Resp	Lower	Upper
128	100			
127	13.1	10.6	16.0	
129	10.9	8.6	13.0	

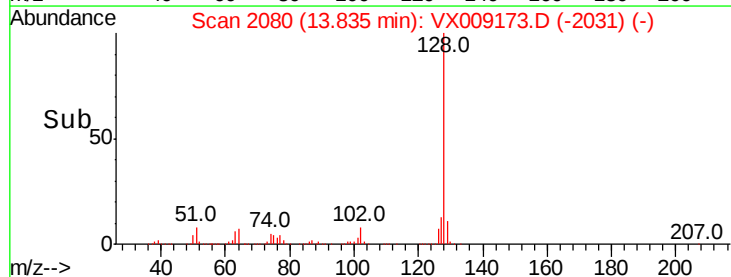
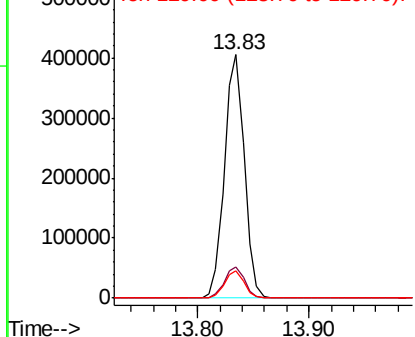


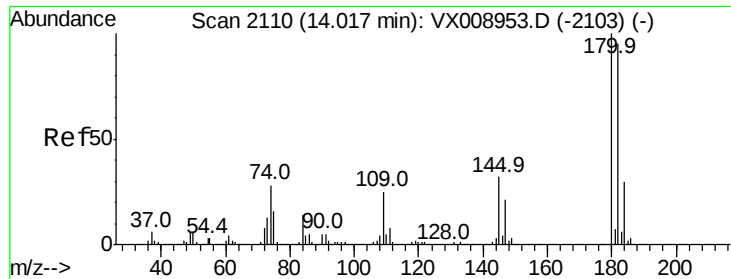
Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



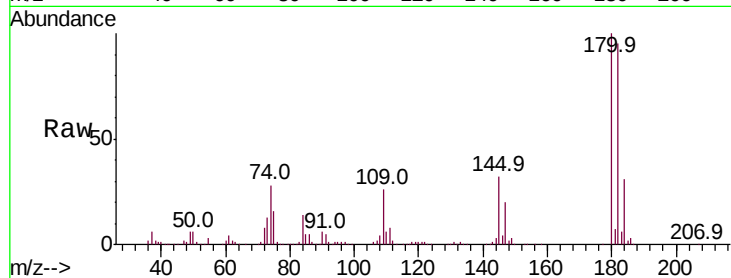


#96
 1,2,3-Trichlorobenzene
 Concen: 46.904 ug/l
 RT: 14.02 min Scan# 2110
 Delta R.T. -0.00 min
 Lab File: VX009173.D
 Acq: 25 Apr 2019 19:27

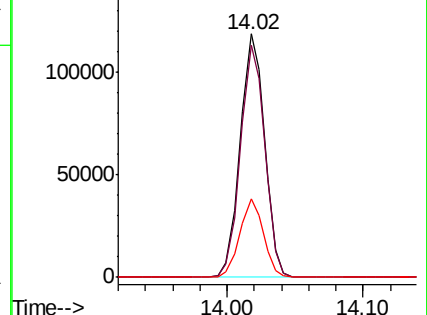
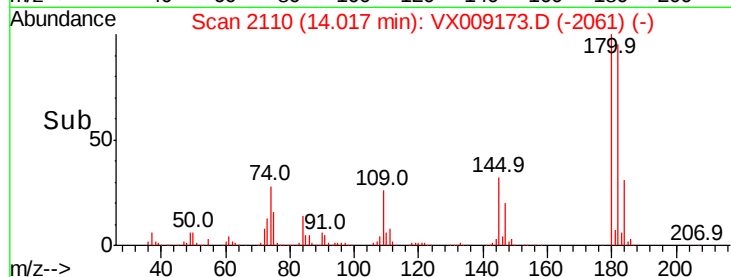
Instrument :
 MSVOA_X
 ClientSampleId :
 S37-0016MSD

Tot Ion:	180	Resp:	147925
Ion Ratio	Lower	Upper	
180	100		
182	95.3	47.8	143.4
145	31.3	15.8	47.3

Manual Integrations
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Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.90 (144.60 to 145.60): V



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