

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX042419\
 Data File : VX009144.D
 Acq On : 24 Apr 2019 14:47
 Operator : JC/SP
 Sample : K2535-03MSD
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 S37-0016MSD

Manual Integrations
 APPROVED

MMDadoda
 4/25/2019 12:34:31 PM

Quant Time: Apr 25 06:57:42 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	5.66	168	176757	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	291210	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	255036	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	121213	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	130972	52.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.16%	
35) Dibromofluoromethane	5.50	113	98720	52.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.64%	
50) Toluene-d8	8.71	98	380114	51.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.00%	
62) 4-Bromofluorobenzene	11.13	95	134168	50.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.98%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	118552	58.231	ug/l	99
3) Chloromethane	1.32	50	138254	55.314	ug/l	98
4) Vinyl Chloride	1.41	62	137519	56.529	ug/l	98
5) Bromomethane	1.64	94	82708	53.962	ug/l	97
6) Chloroethane	1.71	64	82176	57.445	ug/l	98
7) Trichlorofluoromethane	1.92	101	167010	58.800	ug/l	100
8) Diethyl Ether	2.19	74	75302	57.972	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.38	101	105358	58.016	ug/l	98
10) Methyl Iodide	2.51	142	110867	55.321	ug/l	99
11) Tert butyl alcohol	3.06	59	166090	300.378	ug/l	98
12) 1,1-Dichloroethene	2.37	96	107428	56.675	ug/l	97
13) Acrolein	2.29	56	102129	213.767	ug/l	100
14) Allyl chloride	2.73	41	251018	60.699	ug/l	99
15) Acrylonitrile	3.15	53	423796	301.930	ug/l	100
16) Acetone	2.45	43	357860	277.029	ug/l	99
17) Carbon Disulfide	2.57	76	306433	54.888	ug/l	99
18) Methyl Acetate	2.78	43	187877	58.275	ug/l	99
19) Methyl tert-butyl Ether	3.20	73	397576	58.866	ug/l	99
20) Methylene Chloride	2.85	84	121235	54.880	ug/l	97
21) trans-1,2-Dichloroethene	3.17	96	112683	55.734	ug/l	99
22) Diisopropyl ether	3.86	45	482169	60.002	ug/l	89
23) Vinyl Acetate	3.82	43	2099060	297.156	ug/l	99
24) 1,1-Dichloroethane	3.70	63	236817	58.707	ug/l	99
25) 2-Butanone	4.68	43	622254	301.359	ug/l	97
26) 2,2-Dichloropropane	4.59	77	167214	55.300	ug/l	99
27) cis-1,2-Dichloroethene	4.60	96	132090	57.544	ug/l	99
28) Bromochloromethane	5.02	49	92949	55.695	ug/l	99
29) Tetrahydrofuran	5.13	42	419906	303.834	ug/l	98
30) Chloroform	5.21	83	212326	58.821	ug/l	99
31) Cyclohexane	5.58	56	234567	59.122	ug/l	97
32) 1,1,1-Trichloroethane	5.49	97	176412	58.966	ug/l	99
36) 1,1-Dichloropropene	5.80	75	164876	54.744	ug/l	99
37) Ethyl Acetate	4.84	43	226496	58.444	ug/l	100
38) Carbon Tetrachloride	5.78	117	148401	58.122	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	218181	59.500	ug/l	98
40) Benzene	6.14	78	507246	57.091	ug/l	99
41) Methacrylonitrile	5.04	41	133195	59.884	ug/l	99
42) 1,2-Dichloroethane	6.19	62	181265	57.593	ug/l	99
43) Isopropyl Acetate	6.45	43	363779	58.249	ug/l	100
44) Trichloroethene	7.21	130	118942	54.637	ug/l	99
45) 1,2-Dichloropropane	7.51	63	143185	58.090	ug/l	100
46) Dibromomethane	7.66	93	83142	57.959	ug/l	99
47) Bromodichloromethane	7.90	83	165861	58.950	ug/l	100
48) Methyl methacrylate	7.77	41	184806	59.888	ug/l	99
49) 1,4-Dioxane	7.74	88	58366	1010.537	ug/l	98
51) 4-Methyl-2-Pentanone	8.64	43	1189105	298.867	ug/l	99
52) Toluene	8.79	92	298984	56.149	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	190116	58.713	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	209921	57.898	ug/l	100
55) 1,1,2-Trichloroethane	9.21	97	123217	58.386	ug/l	99
56) Ethyl methacrylate	9.18	69	221796	58.612	ug/l	99
57) 1,3-Dichloropropane	9.37	76	216334	57.573	ug/l	100
59) 2-Hexanone	9.49	43	910315	296.762	ug/l	99
60) Dibromochloromethane	9.59	129	121901	60.269	ug/l	99
61) 1,2-Dibromoethane	9.67	107	124816	57.305	ug/l	98
64) Tetrachloroethene	9.34	164	99600	51.408	ug/l	99
65) Chlorobenzene	10.14	112	300782	55.875	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	111443	58.766	ug/l	100
67) Ethyl Benzene	10.25	91	562067	57.117	ug/l	99
68) m/p-Xylenes	10.36	106	405043	113.257	ug/l	98
69) o-Xylene	10.70	106	198920	57.164	ug/l	100
70) Styrene	10.71	104	347305	57.594	ug/l	99
71) Bromoform	10.85	173	90940	60.192	ug/l #	100
73) Isopropylbenzene	11.02	105	527812	57.447	ug/l	100
74) N-amyl acetate	10.90	43	304464	57.714	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.27	83	195205	58.148	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	169237m	57.179	ug/l	
77) Bromobenzene	11.26	156	128287	55.340	ug/l	99
78) n-propylbenzene	11.36	91	615798	58.394	ug/l	100
79) 2-Chlorotoluene	11.42	91	356755	56.140	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	447687	58.066	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	67080	58.184	ug/l	98
82) 4-Chlorotoluene	11.51	91	416877	56.485	ug/l	100
83) tert-Butylbenzene	11.77	119	427313	57.727	ug/l	100
84) 1,2,4-Trimethylbenzene	11.80	105	447257	56.989	ug/l	100
85) sec-Butylbenzene	11.94	105	514458	58.273	ug/l	100
86) p-Isopropyltoluene	12.06	119	465732	57.379	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	223305	55.038	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	224148	54.499	ug/l	100
89) n-Butylbenzene	12.38	91	432753	57.249	ug/l	100
90) Hexachloroethane	12.60	117	79645	59.486	ug/l	100
91) 1,2-Dichlorobenzene	12.39	146	227339	56.743	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	44587	58.334	ug/l	99
93) 1,2,4-Trichlorobenzene	13.65	180	161759	55.931	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	13.78	225	80234	55.623	ug/l	100
95) Naphthalene	13.83	128	539317	58.205	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	160206	56.142	ug/l	99

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

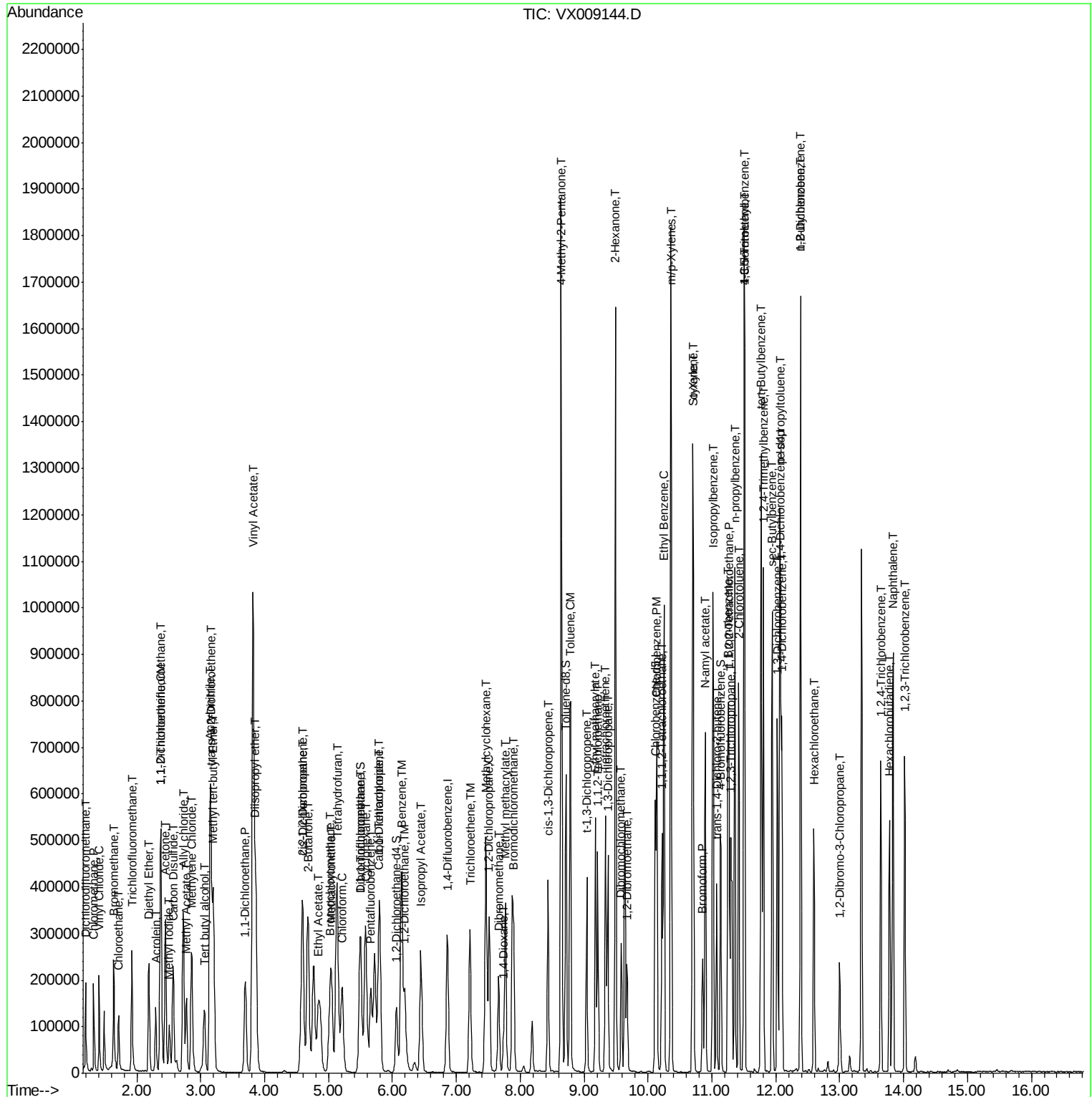
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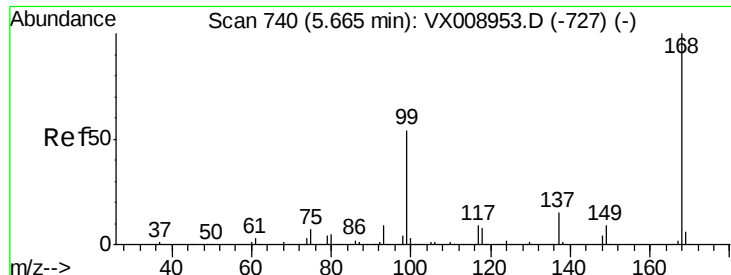
Instrument :
MSVOA_X
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX009144.D

Acq: 24 Apr 2019 14:47

Instrument :

MSVOA_X

ClientSampleId :

S37-0016MSD

Tot Ion:168 Resp: 176757

Ion Ratio Lower Upper

168 100

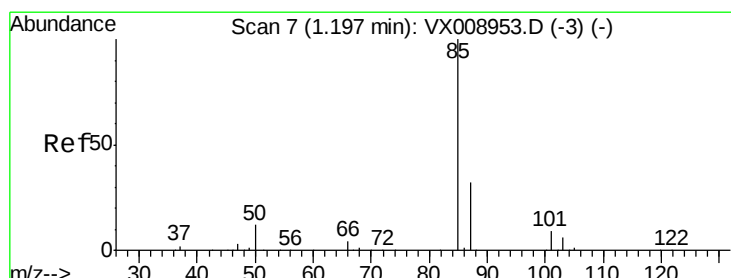
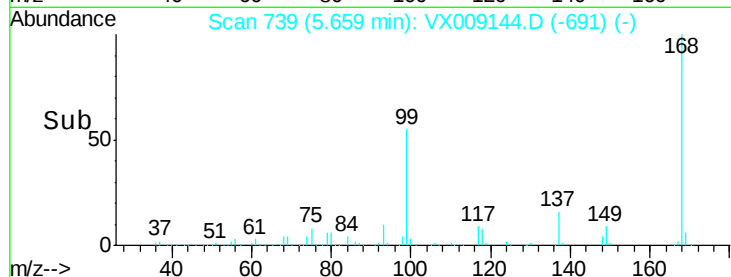
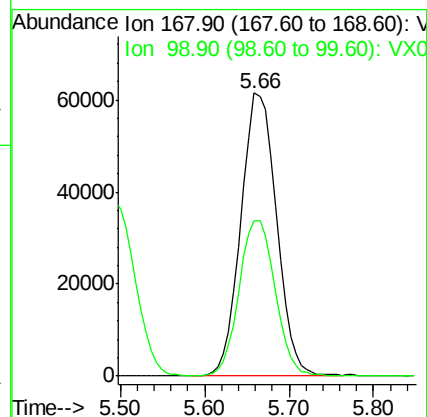
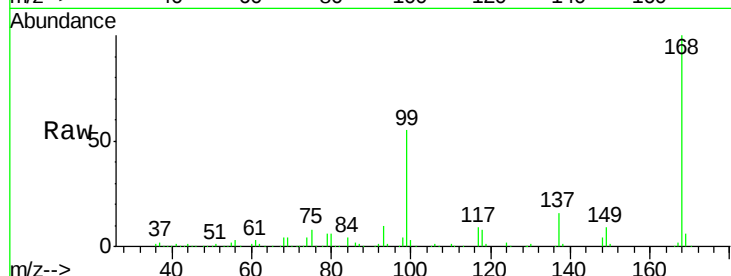
99 54.7 43.0 64.6

Manual Integrations

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4/25/2019 12:34:31 PM



#2

Dichlorodifluoromethane

Concen: 58.231 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX009144.D

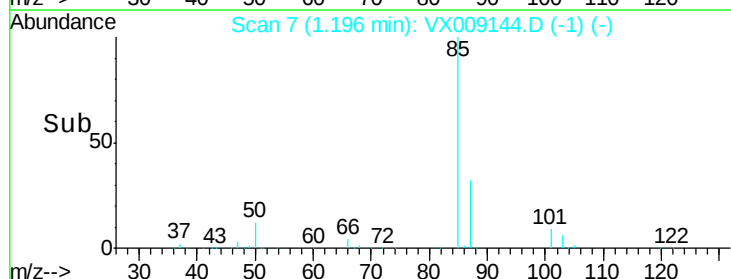
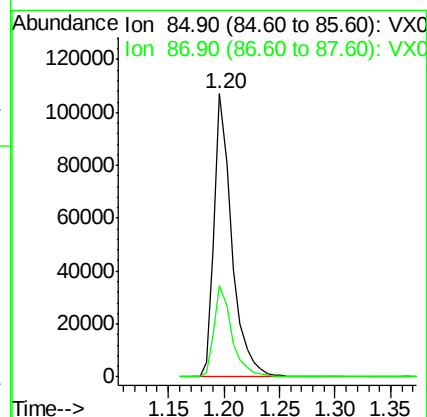
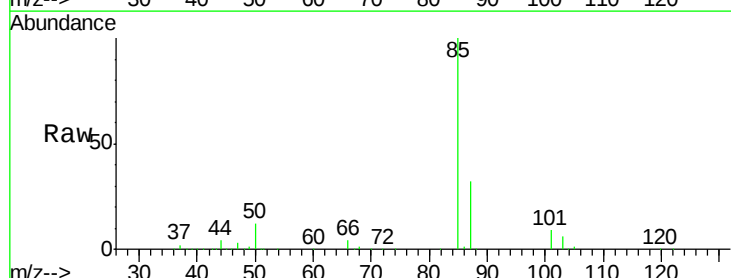
Acq: 24 Apr 2019 14:47

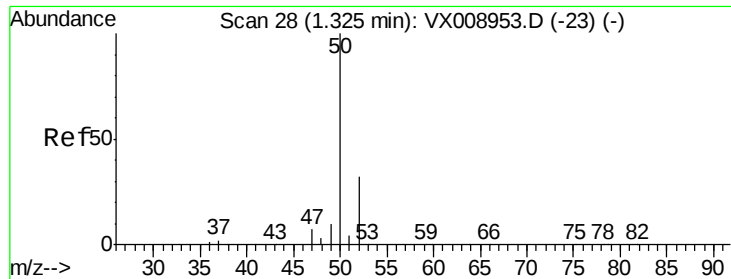
Tgt Ion: 85 Resp: 118552

Ion Ratio Lower Upper

85 100

87 32.5 16.0 47.9





#3

Chloromethane

Concen: 55.314 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX009144.D

Acq: 24 Apr 2019 14:47

Instrument :

MSVOA_X

ClientSampleId :

S37-0016MSD

Tot Ion: 50 Resp: 138254

Ion Ratio Lower Upper

50 100

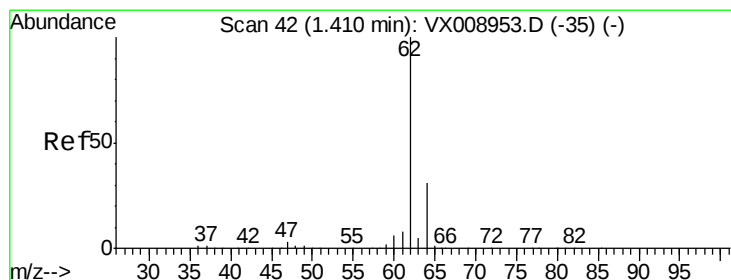
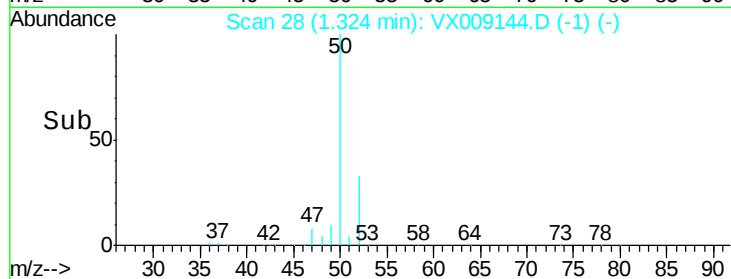
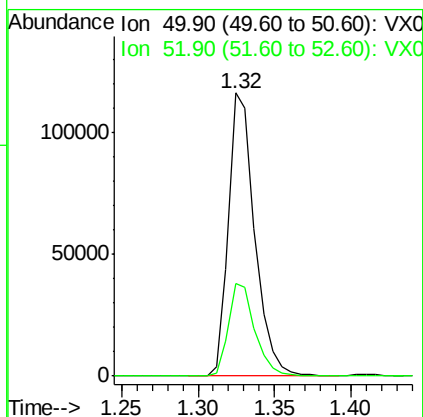
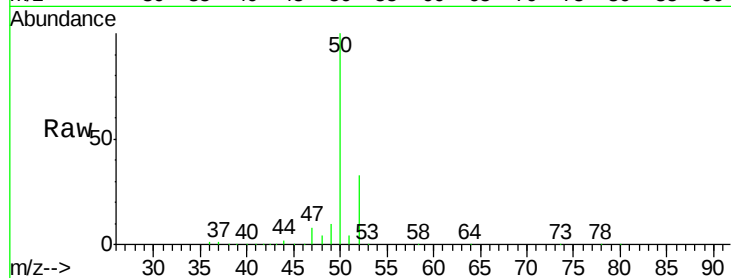
52 32.8 25.5 38.3

Manual Integrations

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#4

Vinyl Chloride

Concen: 56.529 ug/l

RT: 1.41 min Scan# 42

Delta R.T. -0.00 min

Lab File: VX009144.D

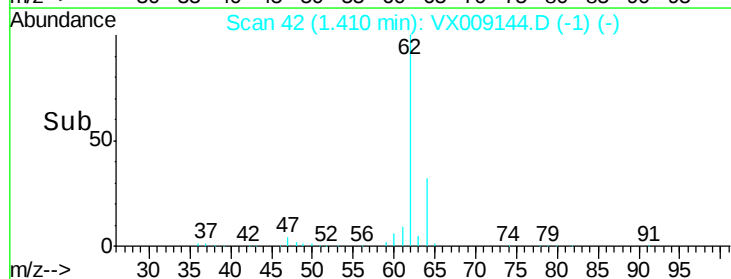
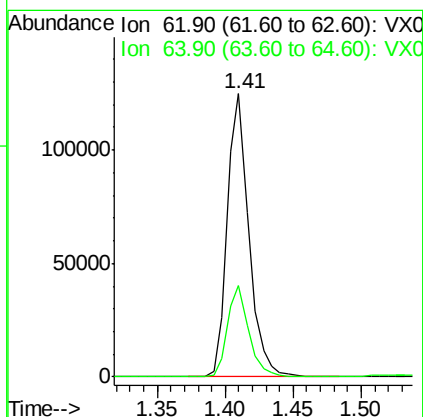
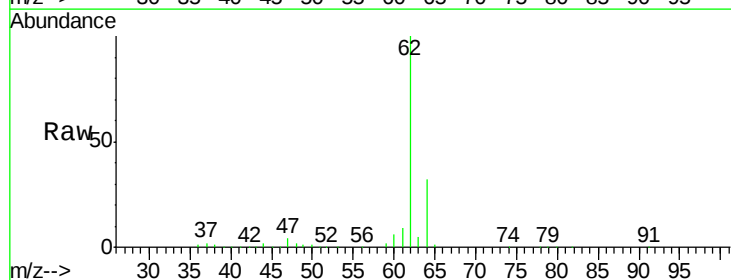
Acq: 24 Apr 2019 14:47

Tgt Ion: 62 Resp: 137519

Ion Ratio Lower Upper

62 100

64 32.3 25.0 37.4





#5

Bromomethane

Concen: 53.962 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX009144.D

Acq: 24 Apr 2019 14:47

Instrument :

MSVOA_X

ClientSampleId :

S37-0016MSD

Tot Ion: 94 Resp: 82708

Ion Ratio Lower Upper

94 100

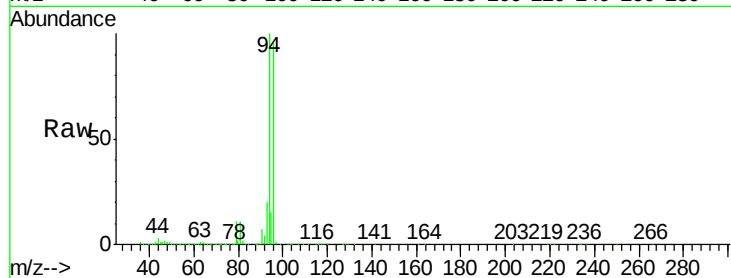
96 95.4 73.9 110.9

Manual Integrations

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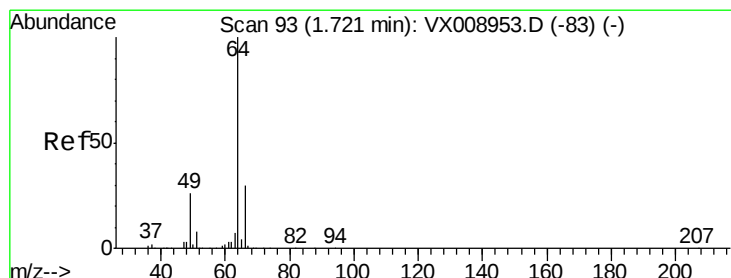
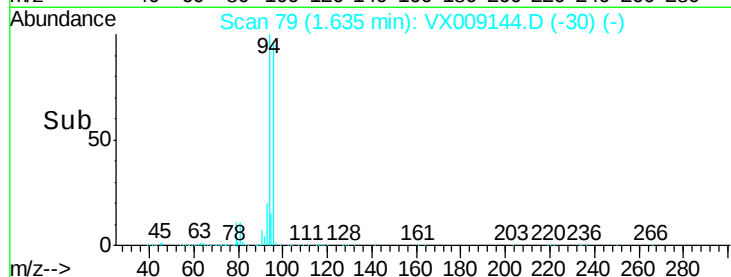
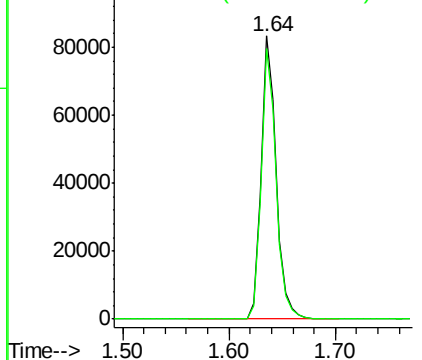
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 57.445 ug/l

RT: 1.71 min Scan# 92

Delta R.T. -0.01 min

Lab File: VX009144.D

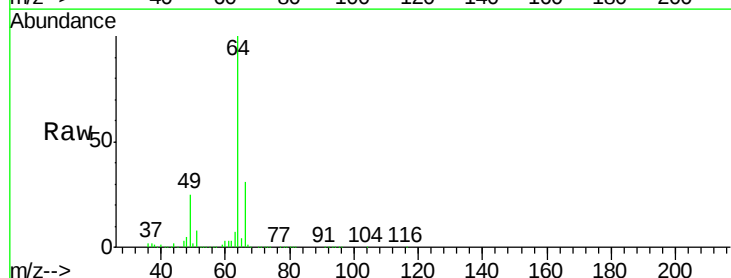
Acq: 24 Apr 2019 14:47

Tgt Ion: 64 Resp: 82176

Ion Ratio Lower Upper

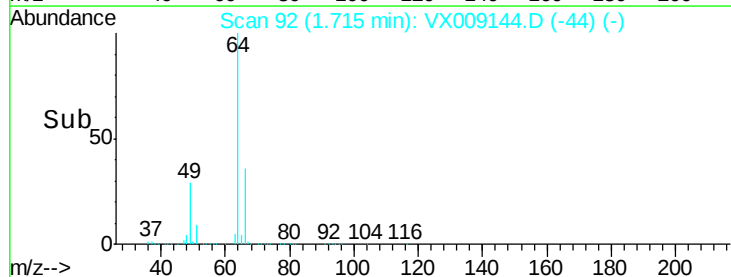
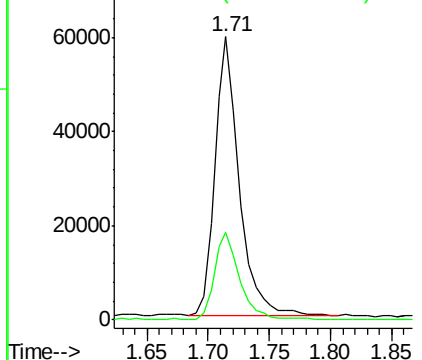
64 100

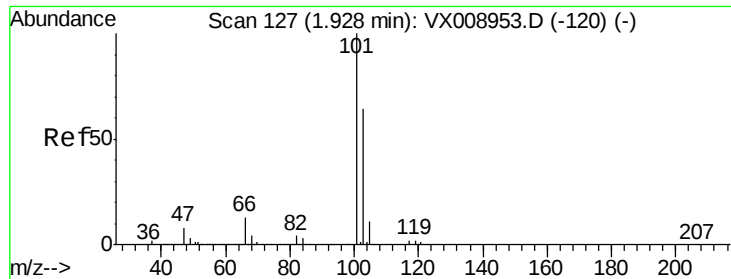
66 31.3 24.2 36.2



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

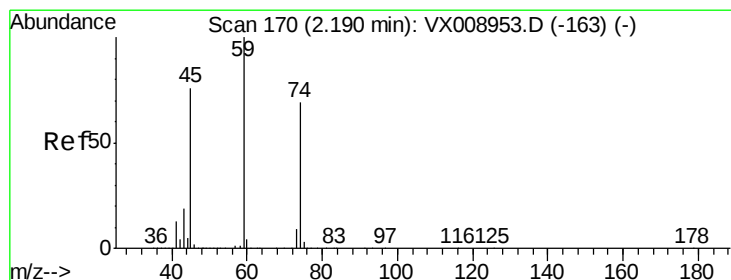
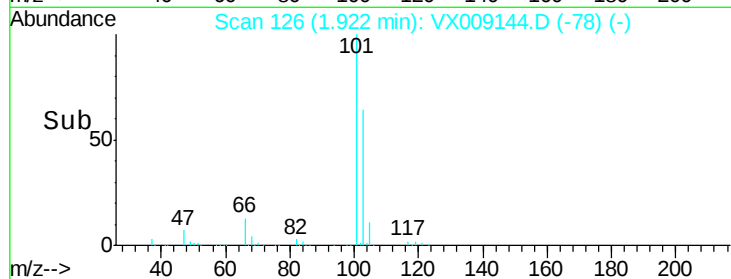
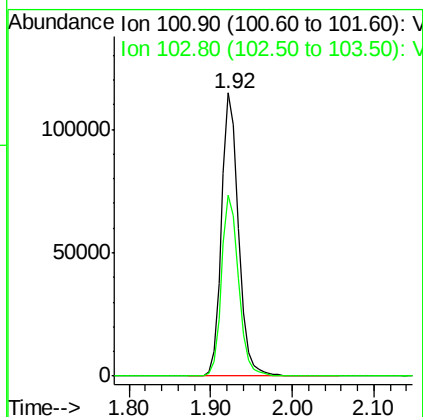
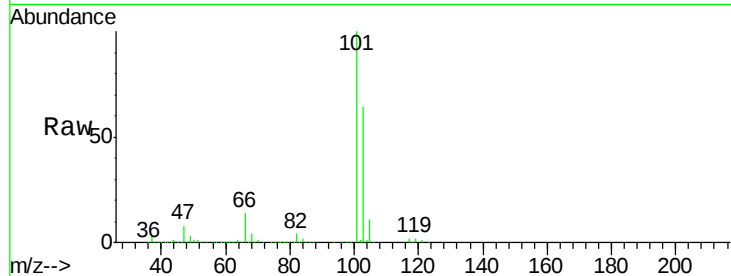
Trichlorofluoromethane
 Concen: 58.800 ug/l
 RT: 1.92 min Scan# 126
 Delta R.T. -0.01 min
 Lab File: VX009144.D
 Acq: 24 Apr 2019 14:47

Instrument :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	63.8	51.0	76.6

Manual Integrations
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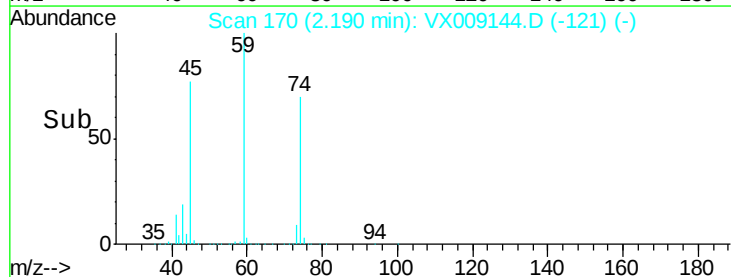
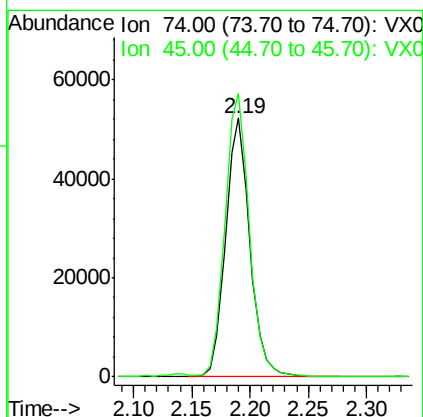
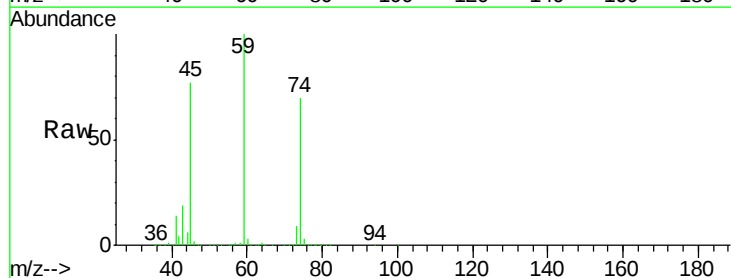
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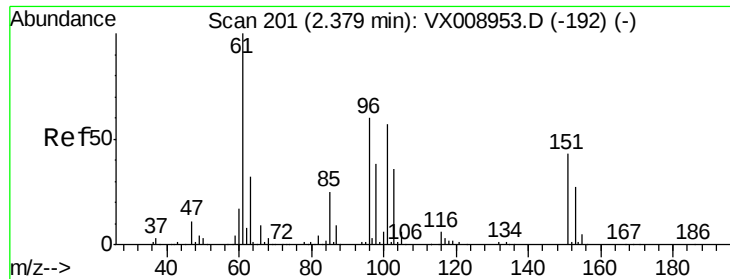


#8

Diethyl Ether
 Concen: 57.972 ug/l
 RT: 2.19 min Scan# 170
 Delta R.T. -0.00 min
 Lab File: VX009144.D
 Acq: 24 Apr 2019 14:47

Tgt Ion	Ratio	Lower	Upper
74	100		
45	109.2	54.9	164.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 58.016 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.00 min

Lab File: VX009144.D

Acq: 24 Apr 2019 14:47

Instrument :

MSVOA_X

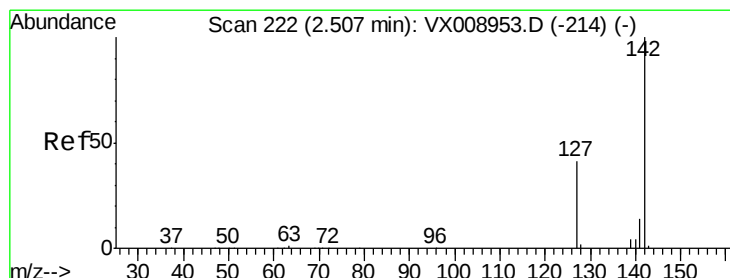
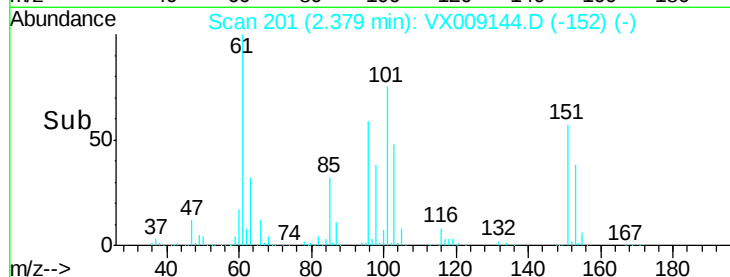
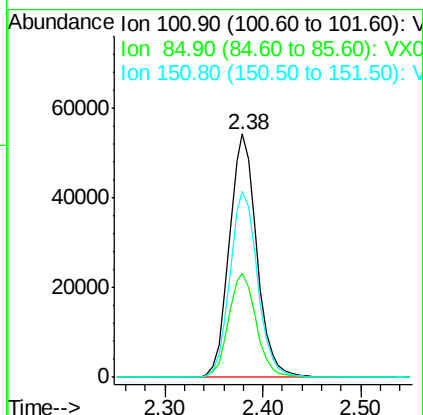
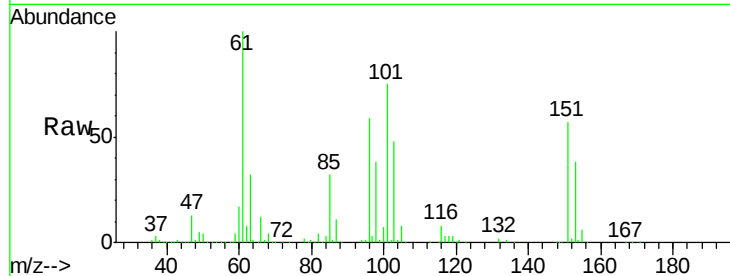
ClientSampleId :

S37-0016MSD

Tot Ion:	101	Resp:	105358
Ion Ratio	Lower	Upper	
101	100		
85	43.2	35.7	53.5
151	77.1	62.7	94.1

Manual Integrations
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#10

Methyl Iodide

Concen: 55.321 ug/l

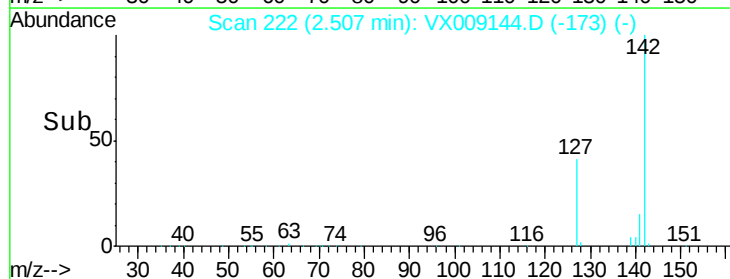
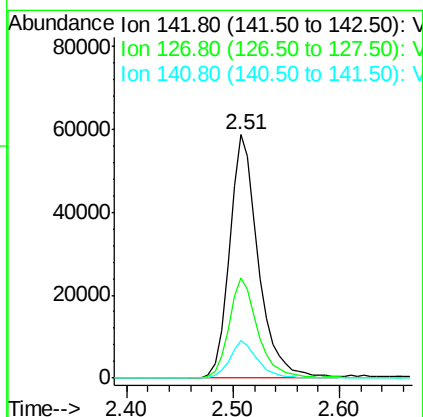
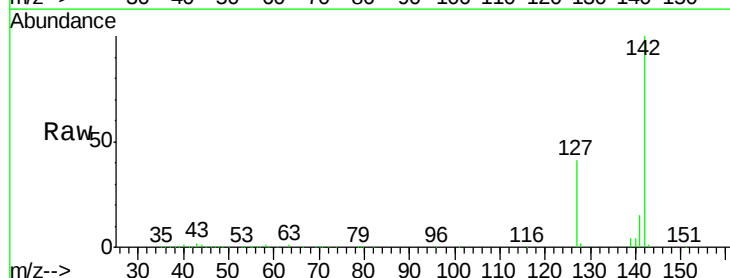
RT: 2.51 min Scan# 222

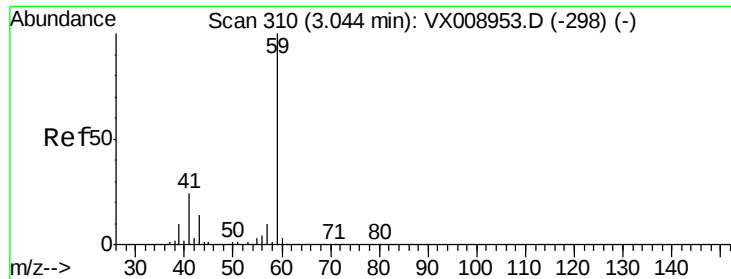
Delta R.T. 0.00 min

Lab File: VX009144.D

Acq: 24 Apr 2019 14:47

Tgt Ion:	142	Resp:	110867
Ion Ratio	Lower	Upper	
142	100		
127	41.4	32.8	49.2
141	15.0	11.4	17.2





#11

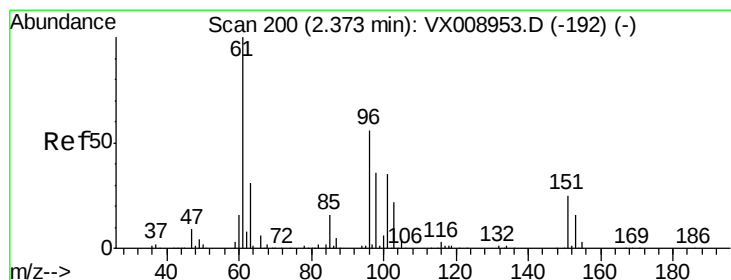
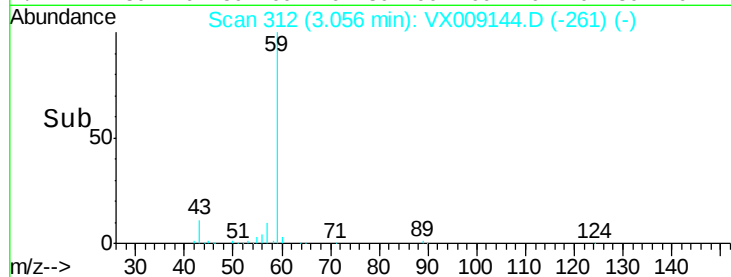
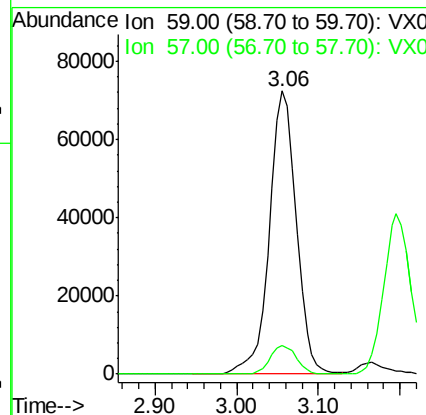
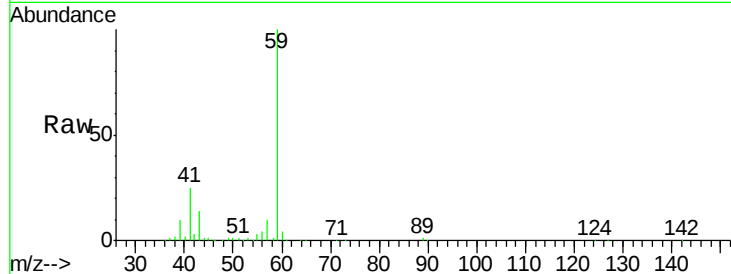
Tert butyl alcohol
 Concen: 300.378 ug/l
 RT: 3.06 min Scan# 312
 Delta R.T. 0.01 min
 Lab File: VX009144.D
 Acq: 24 Apr 2019 14:47

Instrument :
 MSVOA_X
 ClientSampleId :
 S37-0016MSD

Tot Ion	59	57	Ratio	100	9.8	Resp	166090	Lower	8.4	Upper	12.6
Ion	59	57	Ratio	100	9.8	Resp	166090	Lower	8.4	Upper	12.6

Manual Integrations
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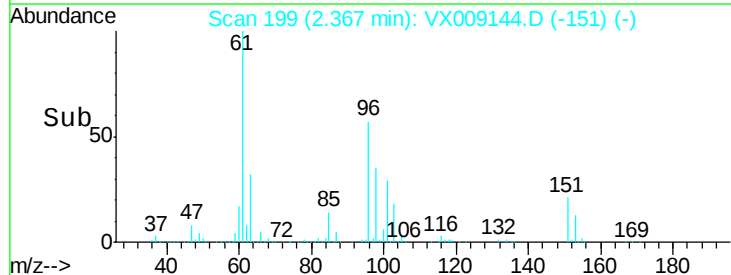
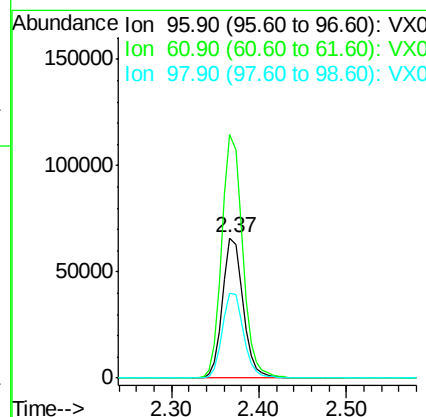
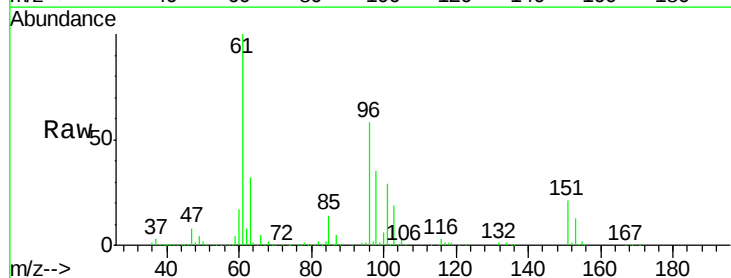
MMDadoda
 4/25/2019 12:34:31 PM

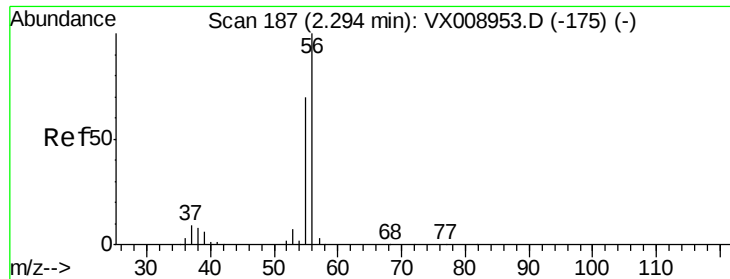


#12

1,1-Dichloroethene
 Concen: 56.675 ug/l
 RT: 2.37 min Scan# 199
 Delta R.T. -0.01 min
 Lab File: VX009144.D
 Acq: 24 Apr 2019 14:47

Tgt Ion	96	61	98	Ratio	100	173.9	60.4	Resp	107428	Lower	142.2	50.9	Upper	213.2	76.3
Ion	96	61	98	Ratio	100	173.9	60.4	Resp	107428	Lower	142.2	50.9	Upper	213.2	76.3





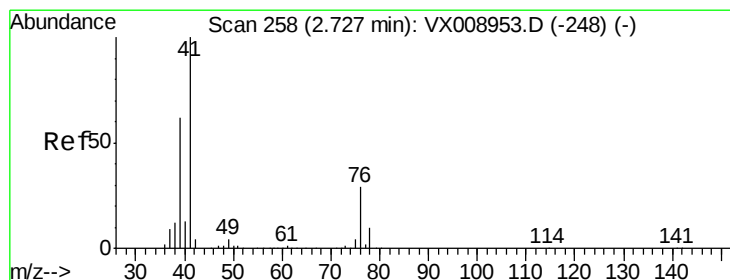
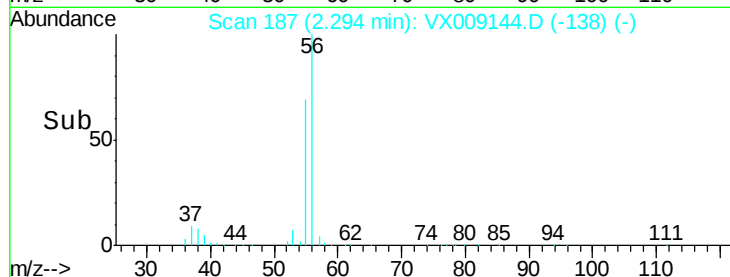
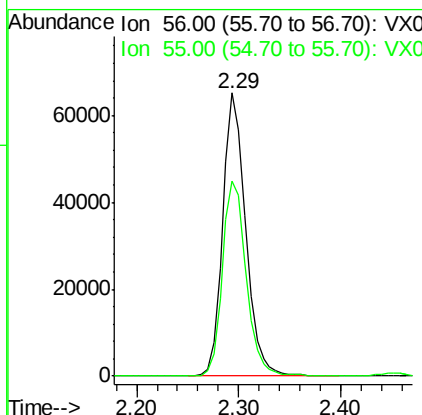
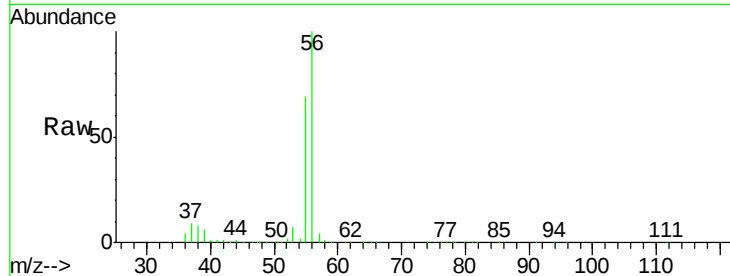
#13
Acrolein
Concen: 213.767 ug/l
RT: 2.29 min Scan# 187
Delta R.T. -0.00 min
Lab File: VX009144.D
Acq: 24 Apr 2019 14:47

Instrument :
MSVOA_X
ClientSampleId :
S37-0016MSD

Tot Ion	56	Resp	102129
Ion Ratio	100	Lower	Upper
55	70.6	56.6	84.8

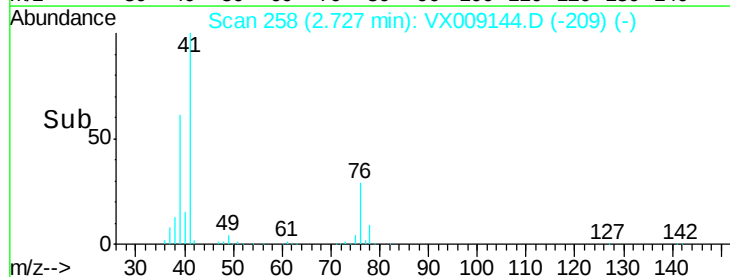
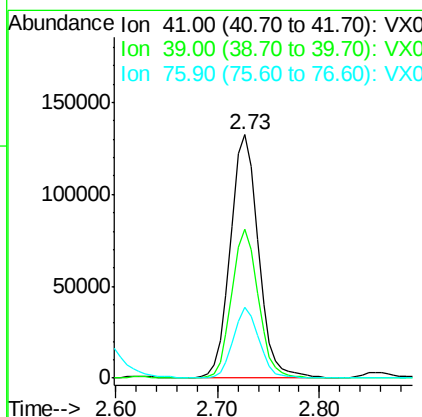
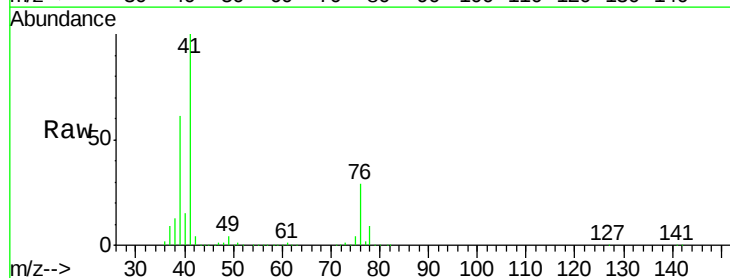
Manual Integrations
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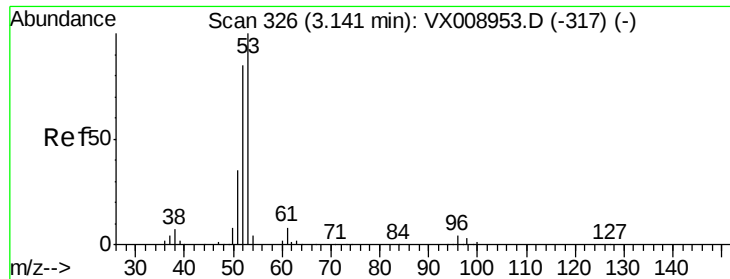
MMDadoda
4/25/2019 12:34:31 PM



#14
Allyl chloride
Concen: 60.699 ug/l
RT: 2.73 min Scan# 258
Delta R.T. -0.00 min
Lab File: VX009144.D
Acq: 24 Apr 2019 14:47

Tgt Ion	41	Resp	251018
Ion Ratio	100	Lower	Upper
39	58.1	46.7	70.1
76	26.8	22.0	33.0





#15

Acrylonitrile

Concen: 301.930 ug/l

RT: 3.15 min Scan# 327

Delta R.T. 0.01 min

Lab File: VX009144.D

Acq: 24 Apr 2019 14:47

Instrument :

MSVOA_X

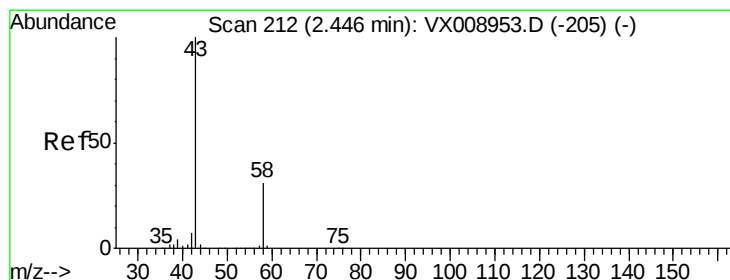
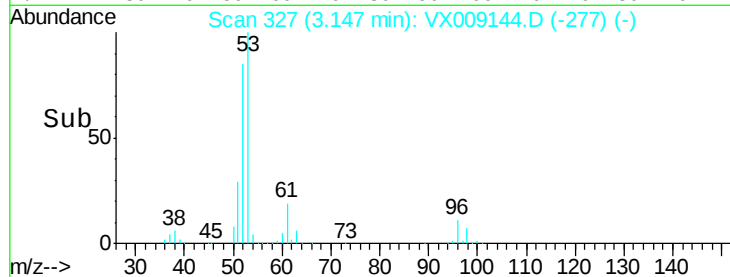
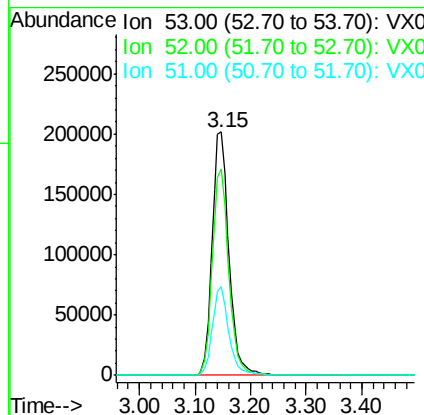
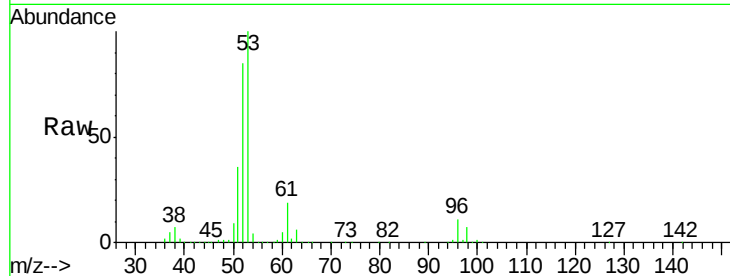
ClientSampleId :

S37-0016MSD

Tot Ion:	53	Resp:	423796
Ion	Ratio	Lower	Upper
53	100		
52	83.1	66.6	100.0
51	35.4	28.3	42.5

Manual Integrations
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#16

Acetone

Concen: 277.029 ug/l

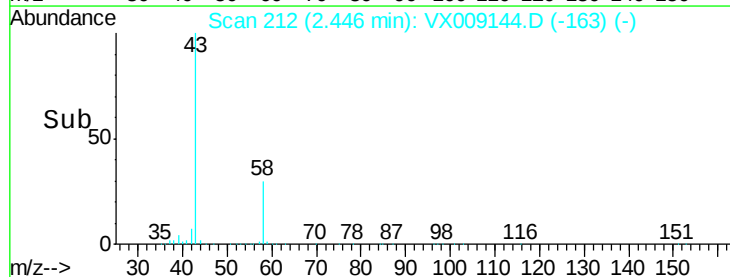
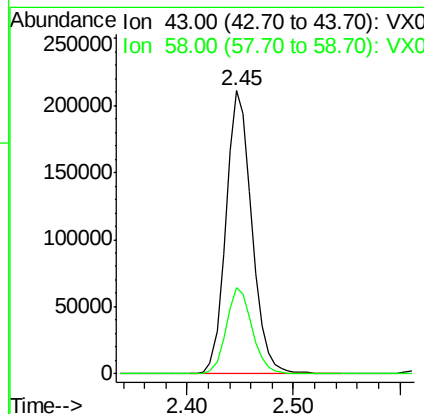
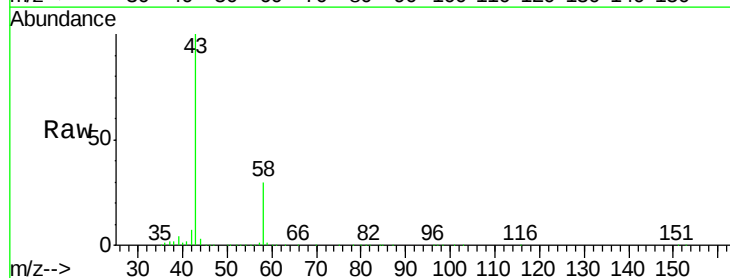
RT: 2.45 min Scan# 212

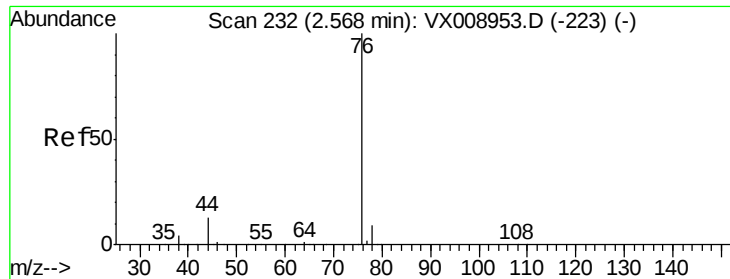
Delta R.T. -0.00 min

Lab File: VX009144.D

Acq: 24 Apr 2019 14:47

Tgt Ion:	43	Resp:	357860
Ion	Ratio	Lower	Upper
43	100		
58	30.4	24.8	37.2





#17

Carbon Disulfide

Concen: 54.888 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX009144.D

Acq: 24 Apr 2019 14:47

Instrument :

MSVOA_X

ClientSampleId :

S37-0016MSD

Tot Ion: 76 Resp: 306433

Ion Ratio Lower Upper

76 100

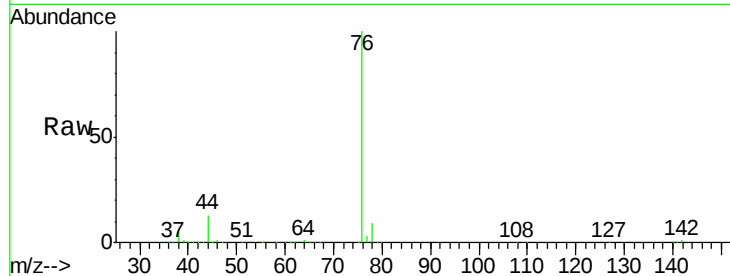
78 8.8 7.2 10.8

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

200000

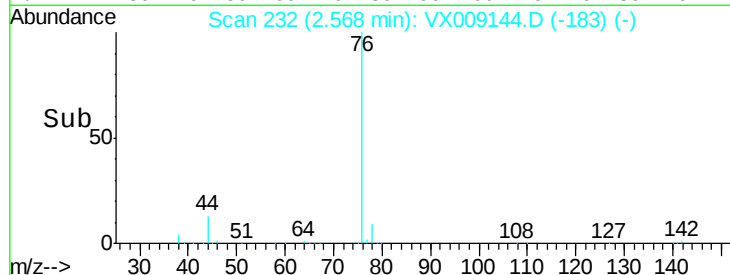
150000

100000

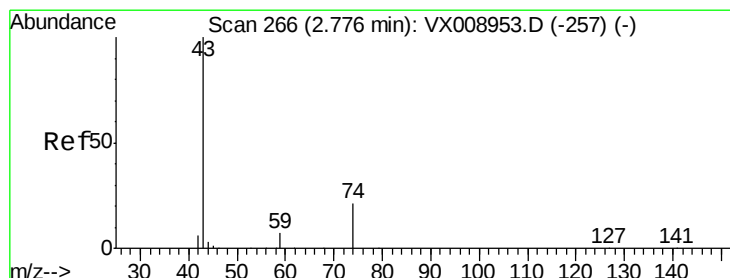
50000

0

Time-->



Time-->



#18

Methyl Acetate

Concen: 58.275 ug/l

RT: 2.78 min Scan# 266

Delta R.T. -0.00 min

Lab File: VX009144.D

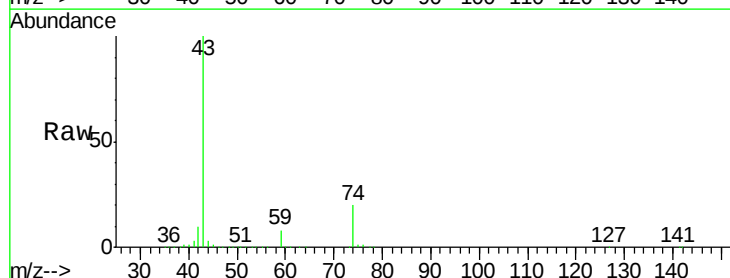
Acq: 24 Apr 2019 14:47

Tgt Ion: 43 Resp: 187877

Ion Ratio Lower Upper

43 100

74 20.2 16.6 25.0



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

120000

100000

80000

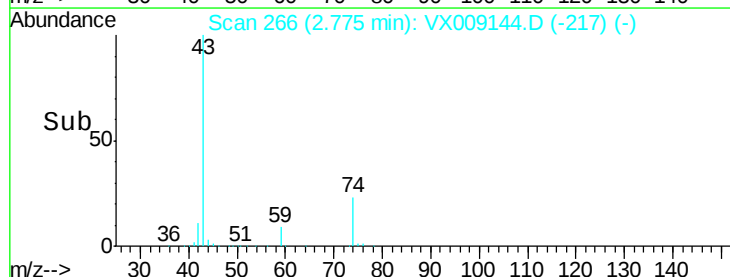
60000

40000

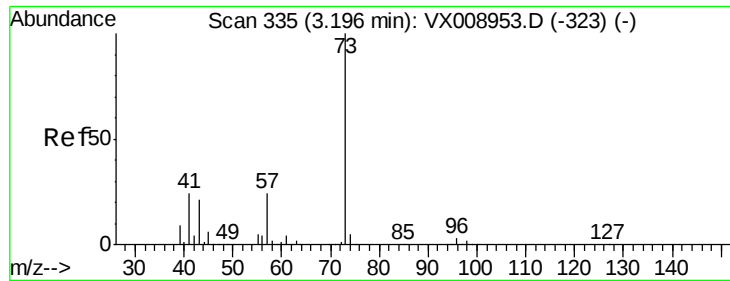
20000

0

Time-->



Time-->



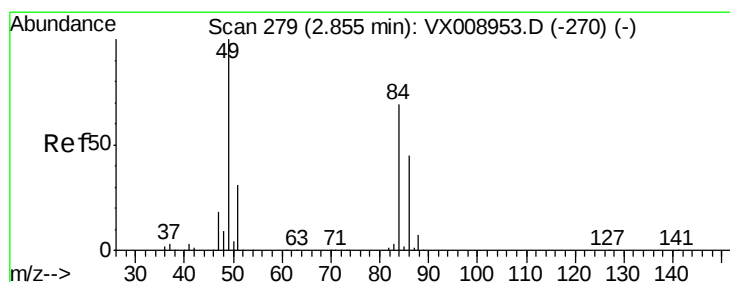
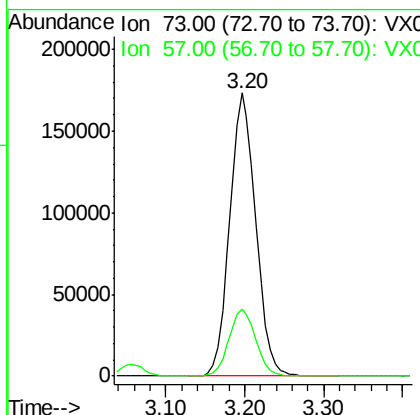
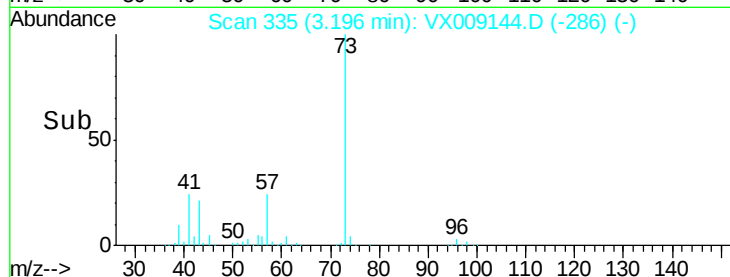
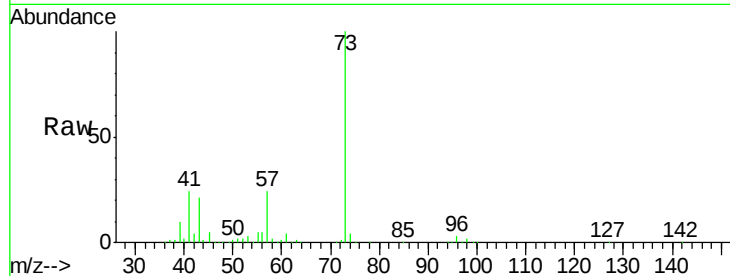
#19
Methvl tert-butvl Ether
Concen: 58.866 ug/l
RT: 3.20 min Scan# 335
Delta R.T. -0.00 min
Lab File: VX009144.D
Acq: 24 Apr 2019 14:47

Instrument :
MSVOA_X
ClientSampleId :
S37-0016MSD

Tot Ion: 73 Resp: 397576
Ion Ratio Lower Upper
73 100
57 23.7 19.2 28.8

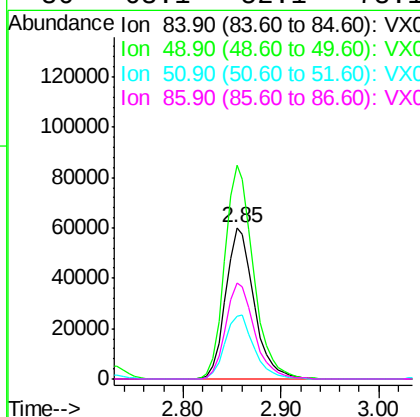
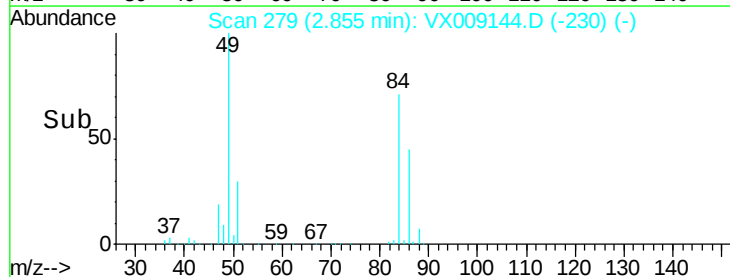
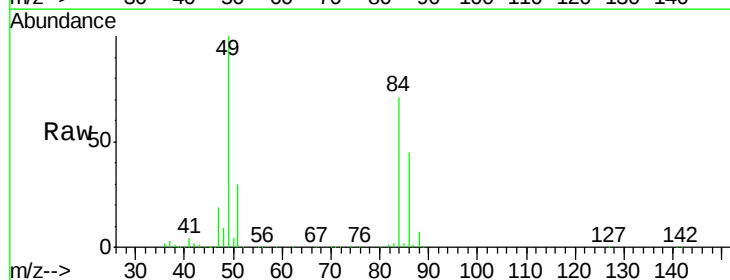
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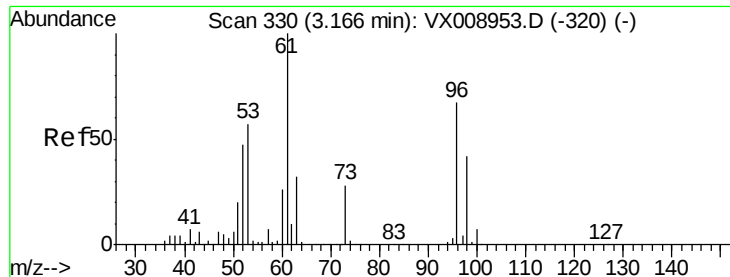
MMDadoda
4/25/2019 12:34:31 PM



#20
Methylene Chloride
Concen: 54.880 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.00 min
Lab File: VX009144.D
Acq: 24 Apr 2019 14:47

Tgt Ion: 84 Resp: 121235
Ion Ratio Lower Upper
84 100
49 141.1 115.4 173.0
51 41.6 35.8 53.6
86 63.1 52.1 78.1





#21

trans-1,2-Dichloroethene

Concen: 55.734 ug/l

RT: 3.17 min Scan# 330

Delta R.T. -0.00 min

Lab File: VX009144.D

Acq: 24 Apr 2019 14:47

Instrument :

MSVOA_X

ClientSampleId :

S37-0016MSD

Tot Ion: 96 Resp: 112683

Ion Ratio Lower Upper

96 100

61 152.2 120.3 180.5

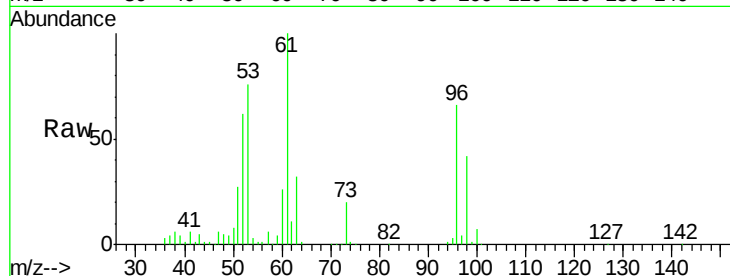
98 63.4 50.2 75.2

Manual Integrations

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4/25/2019 12:34:31 PM

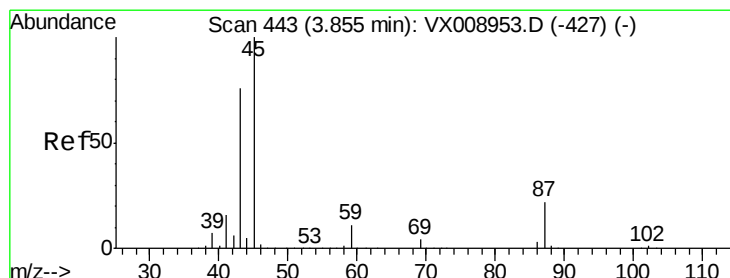
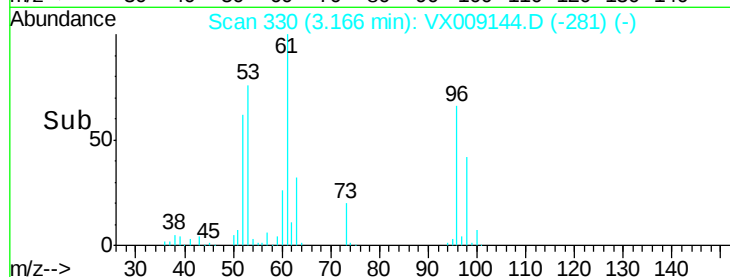
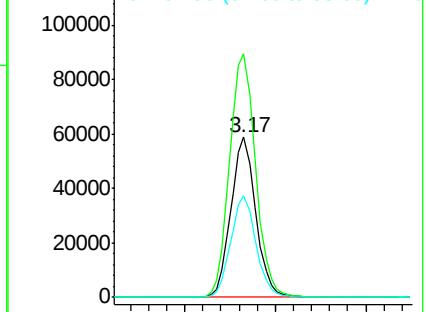


Abundance

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



#22

Diisopropyl ether

Concen: 60.002 ug/l

RT: 3.86 min Scan# 444

Delta R.T. 0.01 min

Lab File: VX009144.D

Acq: 24 Apr 2019 14:47

Tgt Ion: 45 Resp: 482169

Ion Ratio Lower Upper

45 100

43 62.8 60.6 91.0

87 23.0 17.8 26.8

59 10.9 8.7 13.1

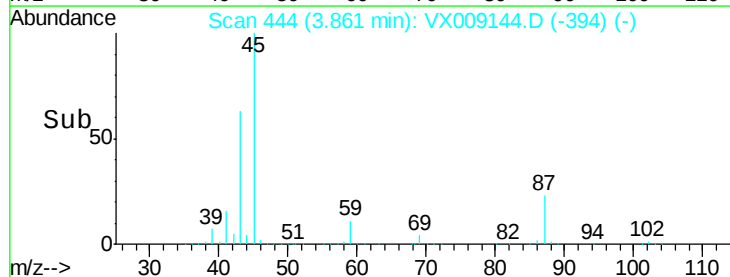
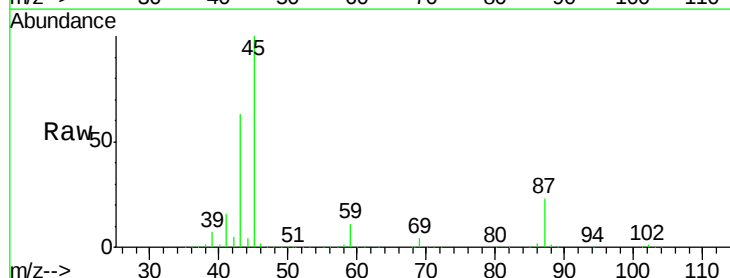
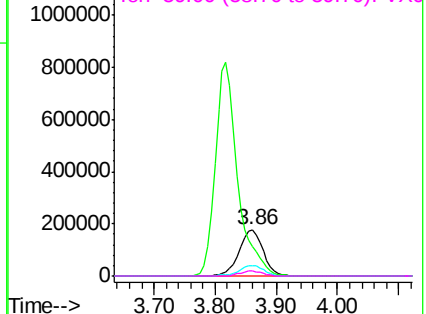
Abundance

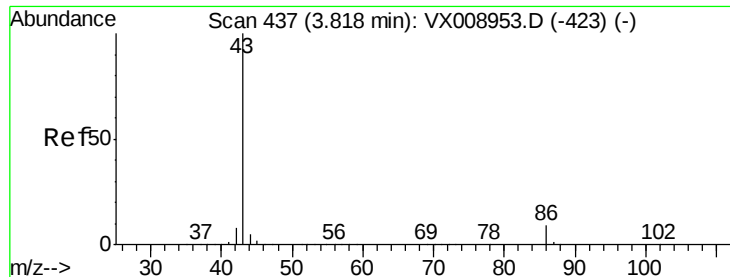
Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0





#23

Vinyl Acetate

Concen: 297.156 ug/l

RT: 3.82 min Scan# 437

Delta R.T. -0.00 min

Lab File: VX009144.D

Acq: 24 Apr 2019 14:47

Instrument :

MSVOA_X

ClientSampleId :

S37-0016MSD

Tot Ion: 43 Resp: 2099060

Ion Ratio Lower Upper

43 100

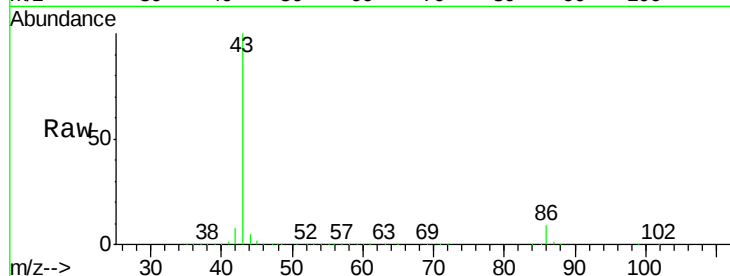
86 8.5 7.1 10.7

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

800000

600000

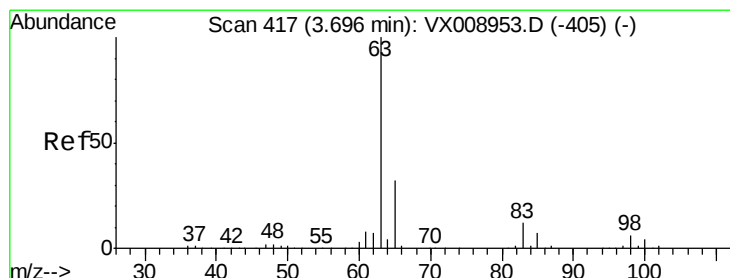
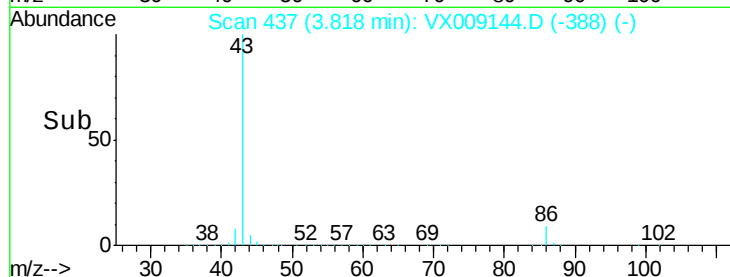
400000

200000

0

3.70 3.80 3.90 4.00

Time-->



#24

1,1-Dichloroethane

Concen: 58.707 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX009144.D

Acq: 24 Apr 2019 14:47

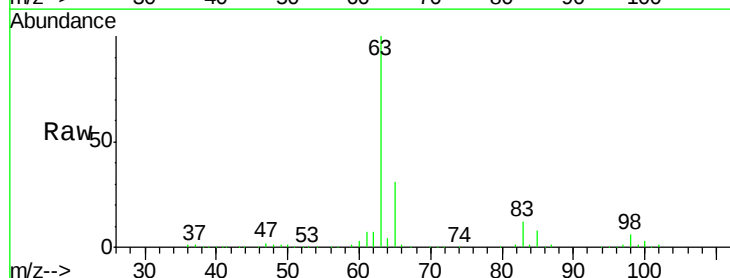
Tgt Ion: 63 Resp: 236817

Ion Ratio Lower Upper

63 100

98 6.0 3.1 9.3

100 3.4 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

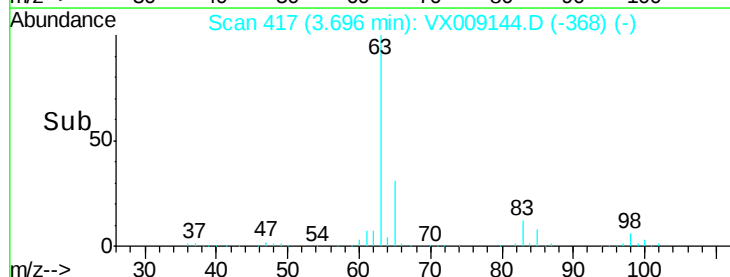
100000

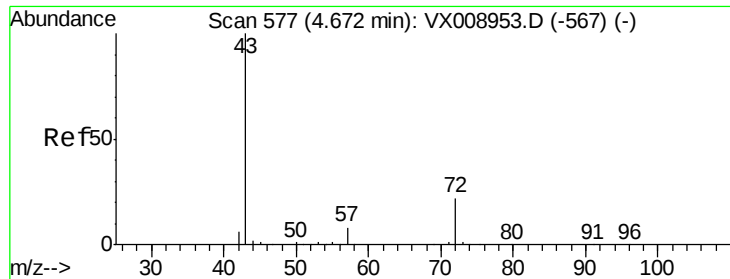
50000

0

3.60 3.70 3.80

Time-->





#25

2-Butanone

Concen: 301.359 ug/l

RT: 4.68 min Scan# 578

Delta R.T. 0.01 min

Lab File: VX009144.D

Acq: 24 Apr 2019 14:47

Instrument :

MSVOA_X

ClientSampleId :

S37-0016MSD

Tot Ion: 43 Resp: 622254

Ion Ratio Lower Upper

43 100

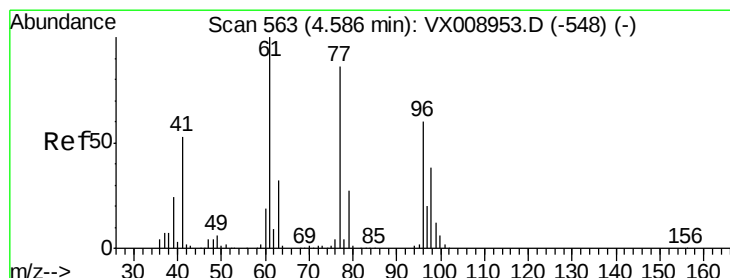
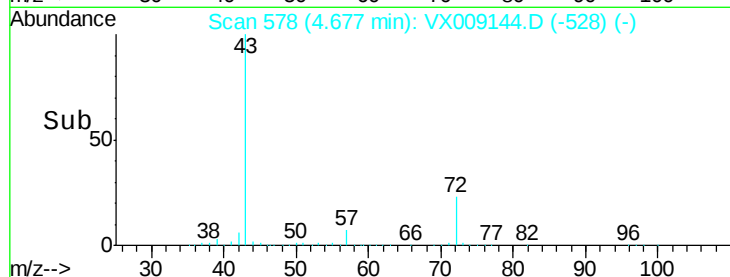
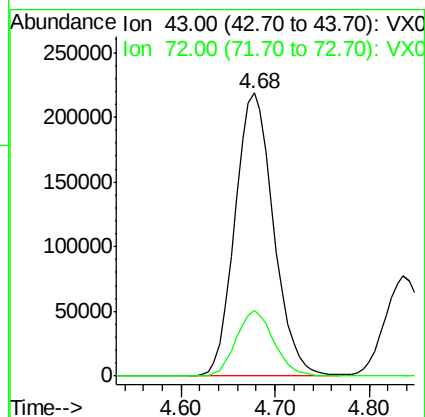
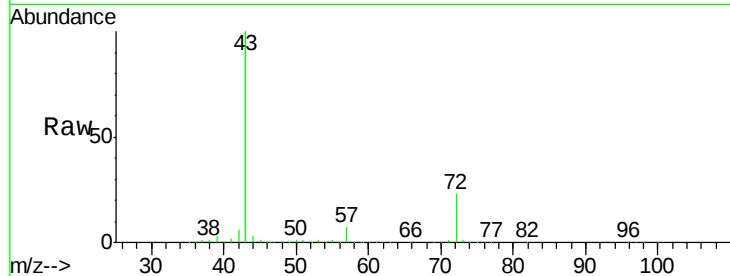
72 23.2 17.5 26.3

Manual Integrations

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4/25/2019 12:34:31 PM



#26

2,2-Dichloropropane

Concen: 55.300 ug/l

RT: 4.59 min Scan# 563

Delta R.T. -0.00 min

Lab File: VX009144.D

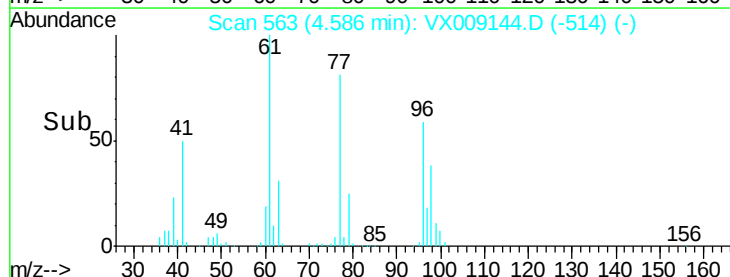
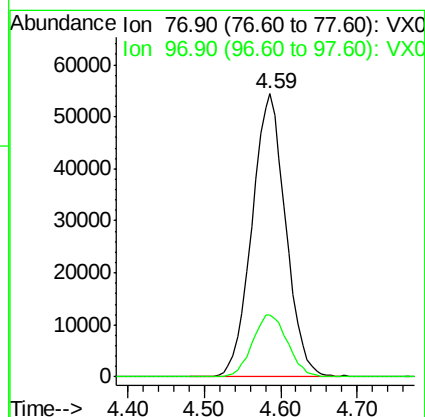
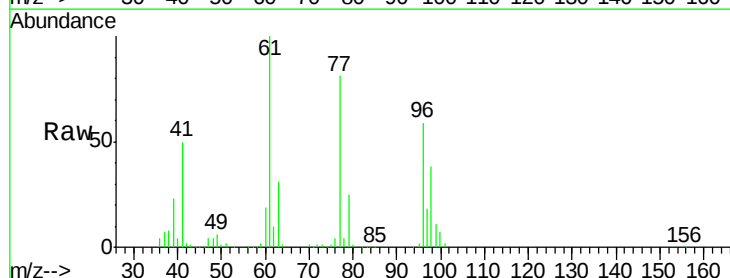
Acq: 24 Apr 2019 14:47

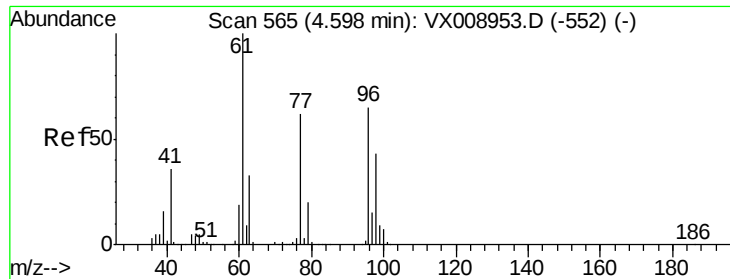
Tgt Ion: 77 Resp: 167214

Ion Ratio Lower Upper

77 100

97 22.9 11.7 35.0





#27

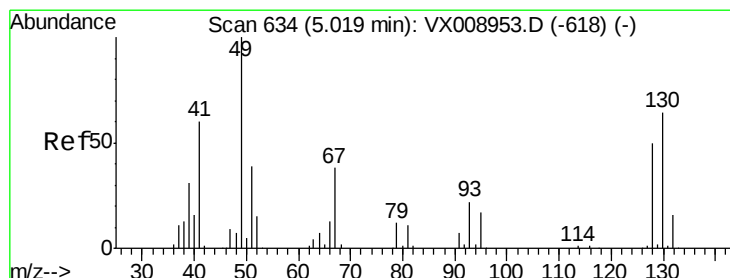
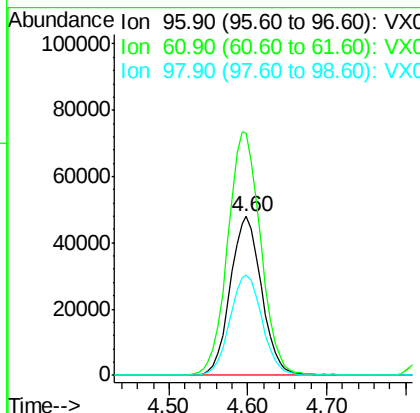
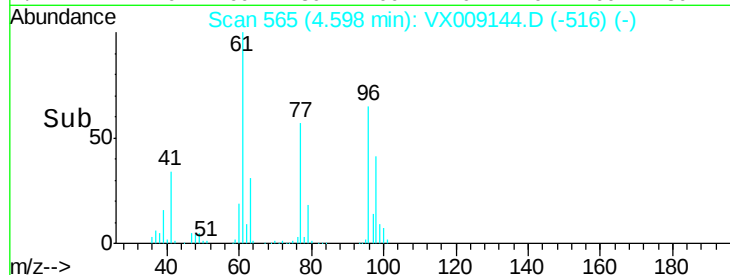
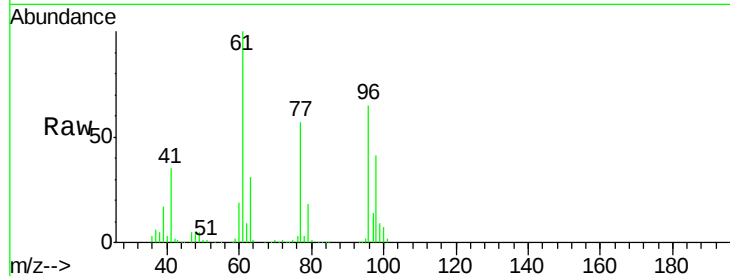
cis-1,2-Dichloroethene
Concen: 57.544 ug/l
RT: 4.60 min Scan# 565
Delta R.T. -0.00 min
Lab File: VX009144.D
Acq: 24 Apr 2019 14:47

Instrument :
MSVOA_X
ClientSampleId :
S37-0016MSD

Tot Ion	Ratio	Resp	Lower	Upper
96	100	132090		
61	162.3	0.0	322.0	
98	65.4	0.0	128.4	

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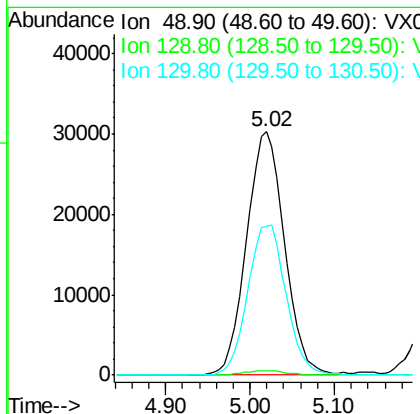
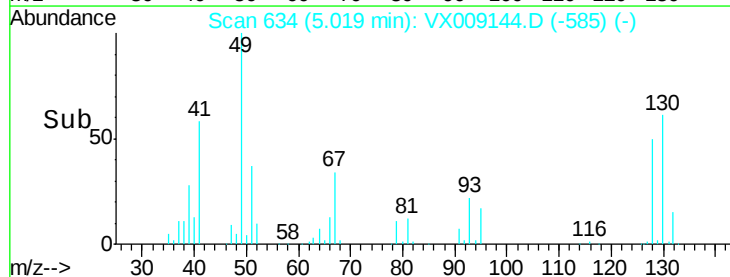
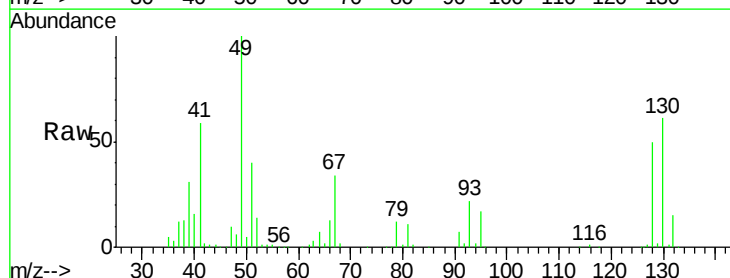
MMDadoda
4/25/2019 12:34:31 PM

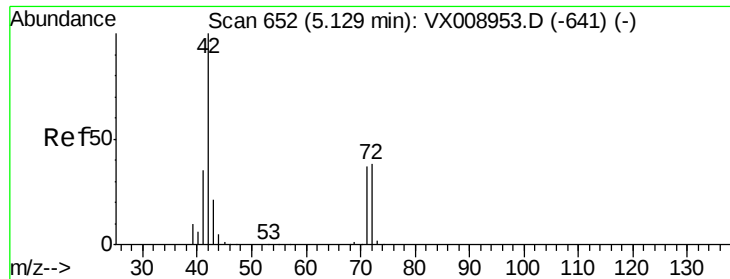


#28

Bromochloromethane
Concen: 55.695 ug/l
RT: 5.02 min Scan# 634
Delta R.T. -0.00 min
Lab File: VX009144.D
Acq: 24 Apr 2019 14:47

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	92949		
129	1.8	0.0	3.6	
130	62.2	50.4	75.6	





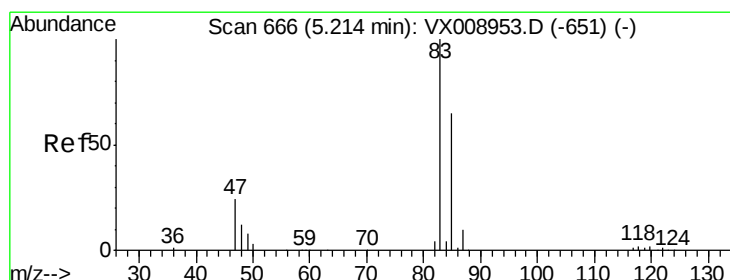
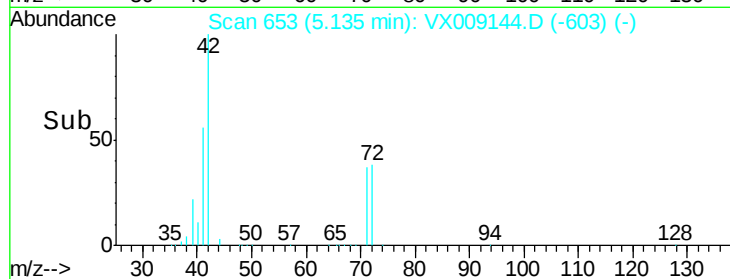
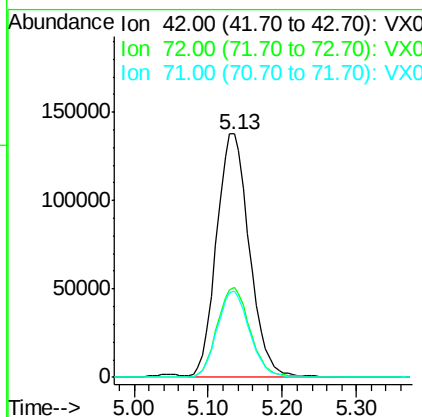
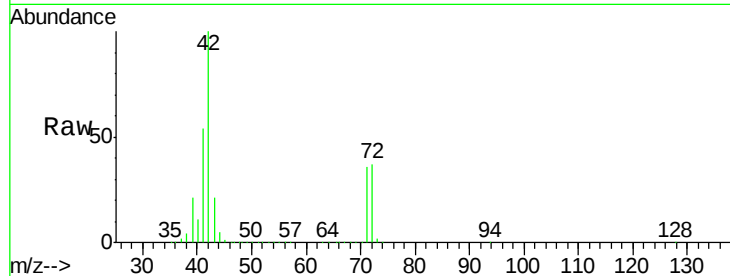
#29
Tetrahydrofuran
Concen: 303.834 ug/l
RT: 5.13 min Scan# 653
Delta R.T. 0.01 min
Lab File: VX009144.D
Acq: 24 Apr 2019 14:47

Instrument :
MSVOA_X
ClientSampleId :
S37-0016MSD

Tot Ion	Ratio	Resp	Lower	Upper
42	100			
72	37.2		30.6	45.8
71	35.2		28.8	43.2

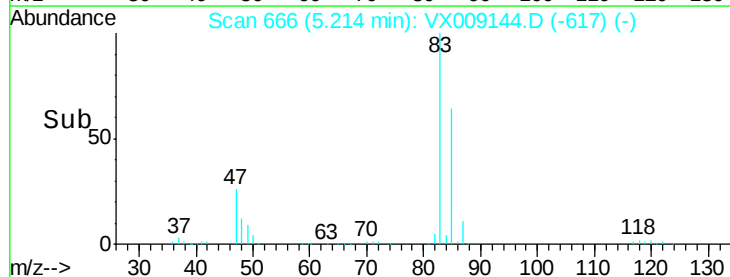
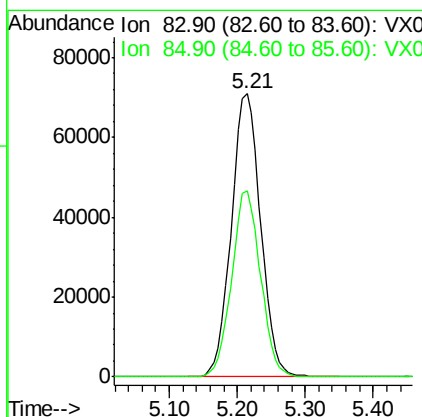
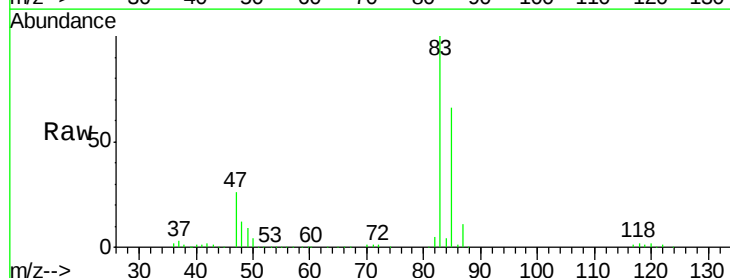
Manual Integrations
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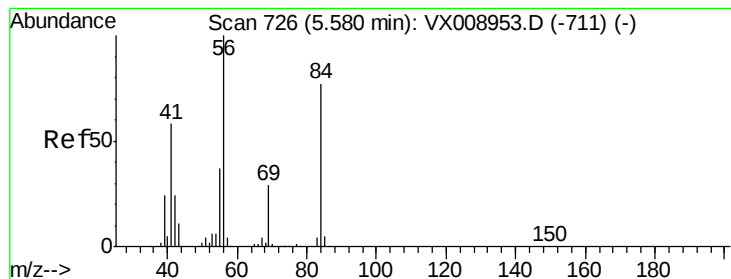
MMDadoda
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#30
Chloroform
Concen: 58.821 ug/l
RT: 5.21 min Scan# 666
Delta R.T. -0.00 min
Lab File: VX009144.D
Acq: 24 Apr 2019 14:47

Tgt Ion	Ratio	Resp	Lower	Upper
83	100			
85	65.6		51.9	77.9





#31

Cyclohexane

Concen: 59.122 ug/l

RT: 5.58 min Scan# 726

Delta R.T. -0.00 min

Lab File: VX009144.D

Acq: 24 Apr 2019 14:47

Instrument :

MSVOA_X

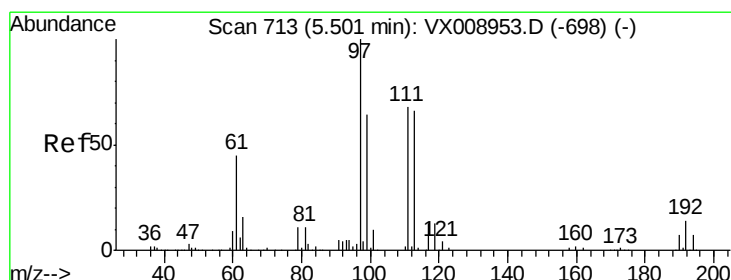
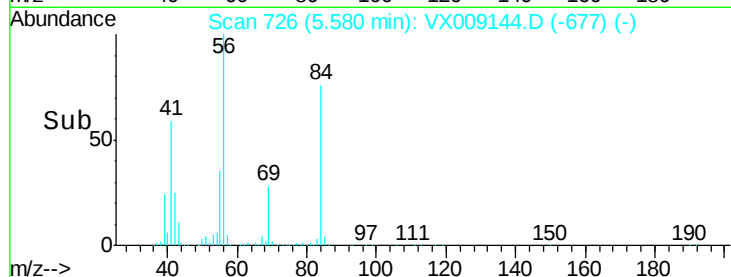
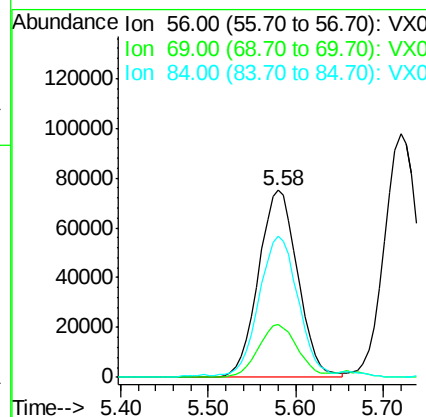
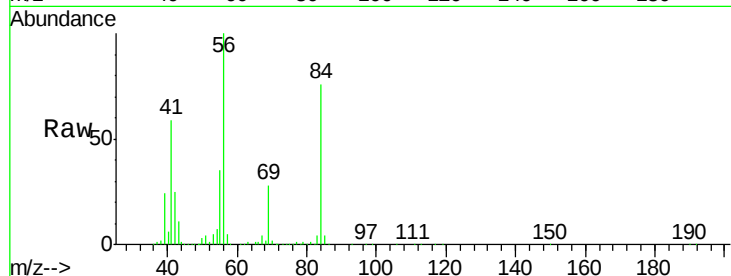
ClientSampleId :

S37-0016MSD

Tot Ion:	56	Resp:	234567
Ion	Ratio	Lower	Upper
56	100		
69	28.2	23.3	34.9
84	74.5	61.7	92.5

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 58.966 ug/l

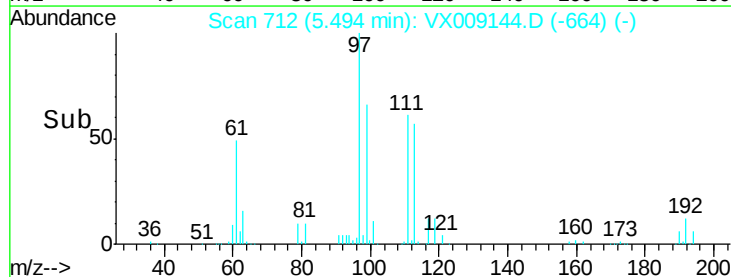
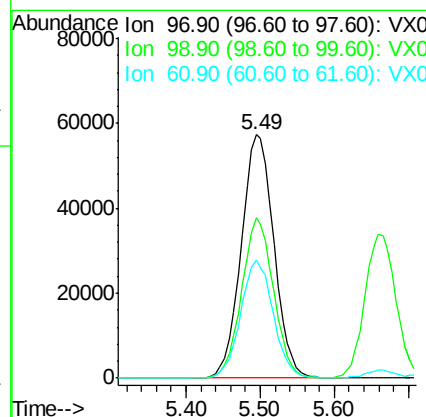
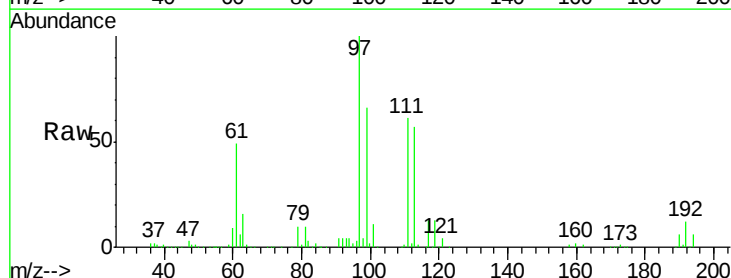
RT: 5.49 min Scan# 712

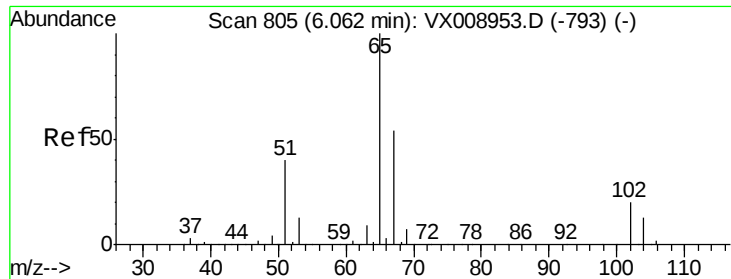
Delta R.T. -0.01 min

Lab File: VX009144.D

Acq: 24 Apr 2019 14:47

Tgt Ion:	97	Resp:	176412
Ion	Ratio	Lower	Upper
97	100		
99	64.3	51.6	77.4
61	48.5	37.9	56.9





#33

1,2-Dichloroethane-d4

Concen: 52.578 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.00 min

Lab File: VX009144.D

Acq: 24 Apr 2019 14:47

Instrument :

MSVOA_X

ClientSampleId :

S37-0016MSD

Tot Ion: 65 Resp: 130972

Ion Ratio Lower Upper

65 100

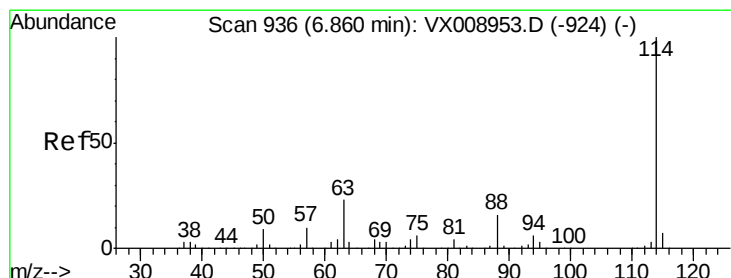
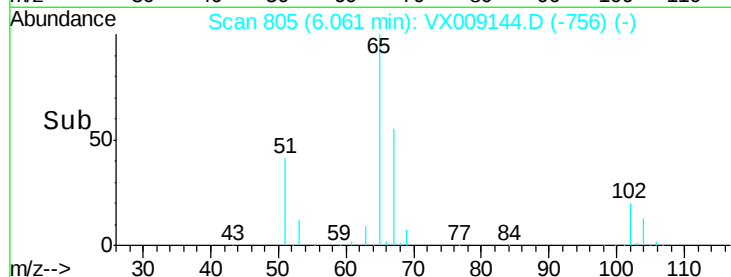
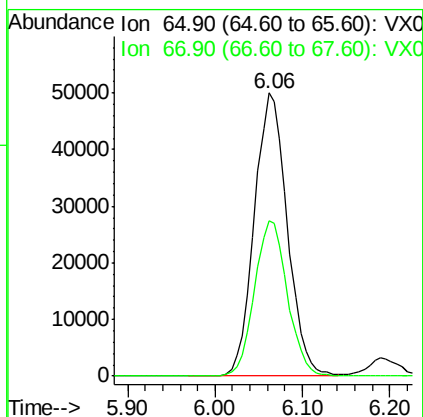
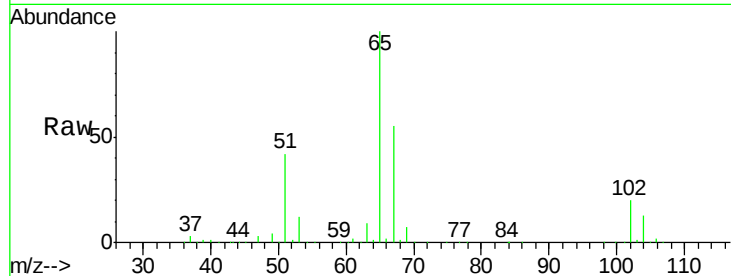
67 55.0 0.0 108.6

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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: VX009144.D

Acq: 24 Apr 2019 14:47

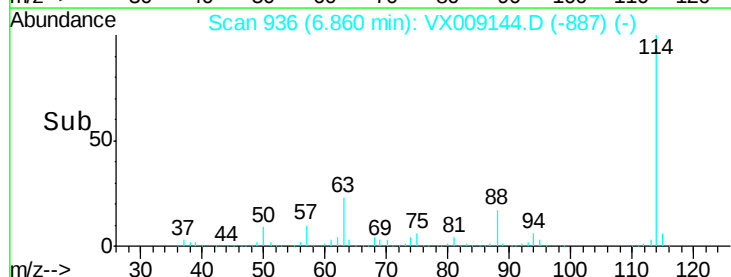
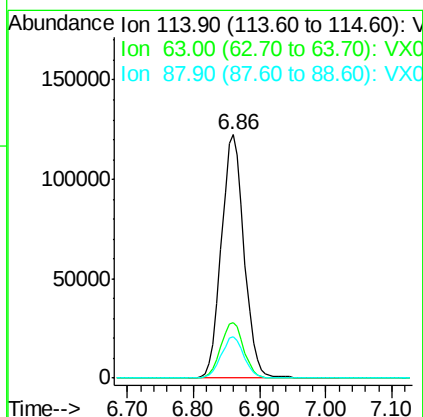
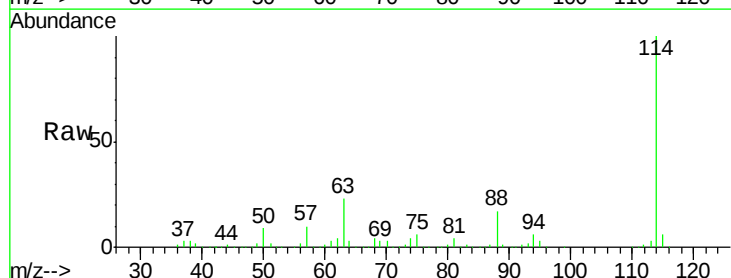
Tgt Ion: 114 Resp: 291210

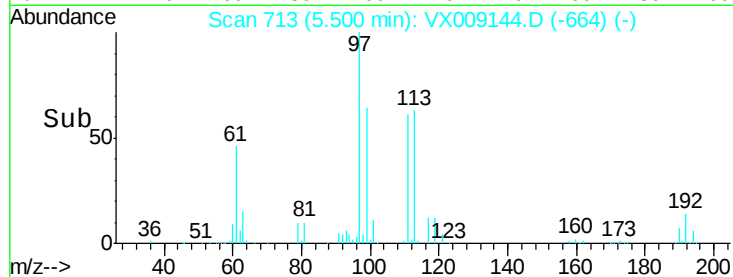
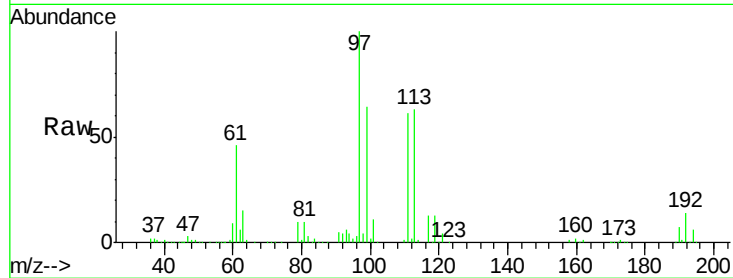
Ion Ratio Lower Upper

114 100

63 23.0 0.0 46.0

88 16.8 0.0 32.6





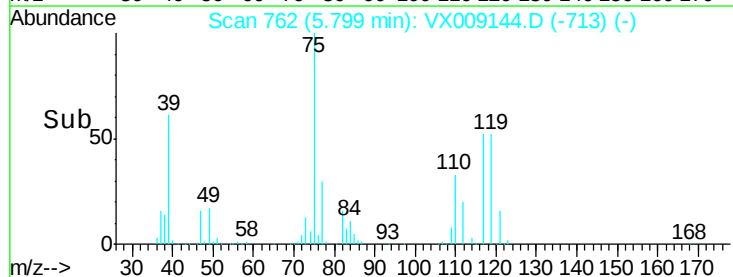
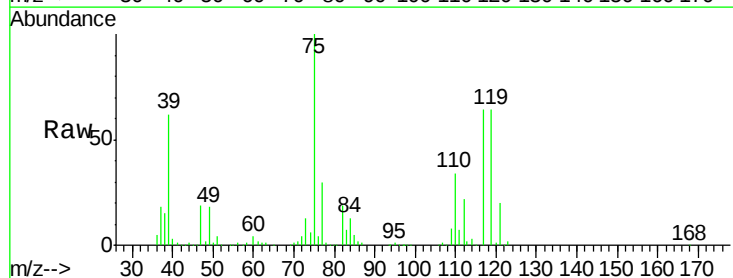
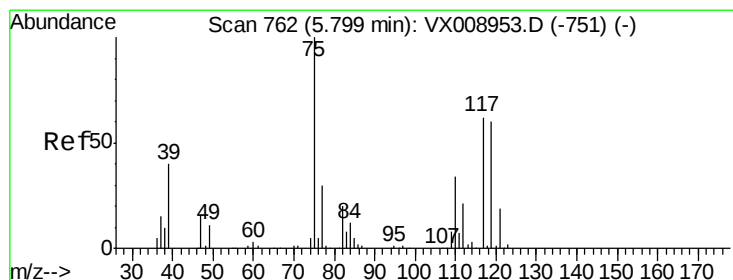
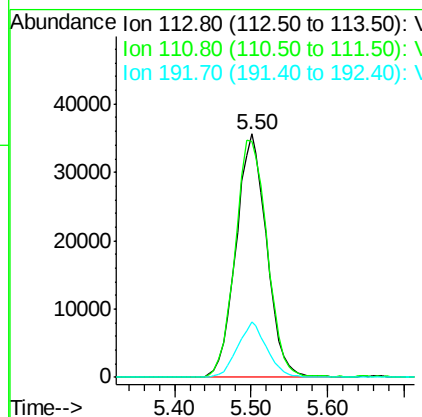
#35
Dibromofluoromethane
Concen: 52.822 ug/l
RT: 5.50 min Scan# 713
Delta R.T. -0.00 min
Lab File: VX009144.D
Acq: 24 Apr 2019 14:47

Tot Ion	Ratio	Resp	Lower	Upper
113	100	98720		
111	102.2	82.9	124.3	
192	21.7	17.4	26.0	

Instrument :
MSVOA_X
ClientSampleId :
S37-0016MSD

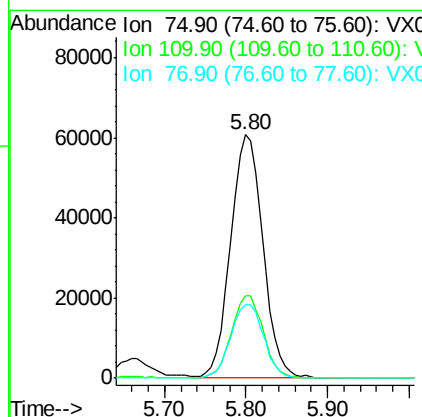
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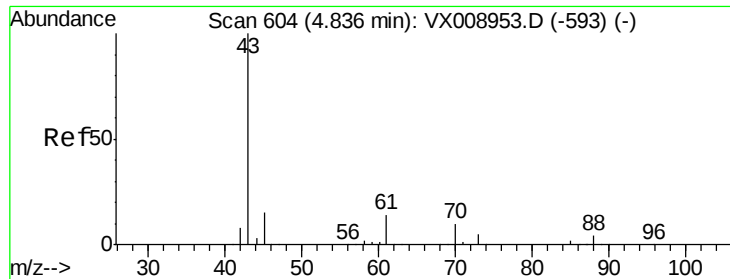
MMDadoda
4/25/2019 12:34:31 PM



#36
1,1-Dichloropropene
Concen: 54.744 ug/l
RT: 5.80 min Scan# 762
Delta R.T. -0.00 min
Lab File: VX009144.D
Acq: 24 Apr 2019 14:47

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	164876		
110	33.9	16.9	50.7	
77	30.7	25.0	37.4	





#37

Ethyl Acetate

Concen: 58.444 ug/l

RT: 4.84 min Scan# 604

Delta R.T. -0.00 min

Lab File: VX009144.D

Acq: 24 Apr 2019 14:47

Instrument :

MSVOA_X

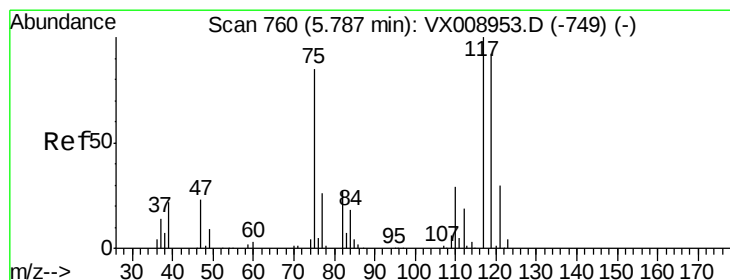
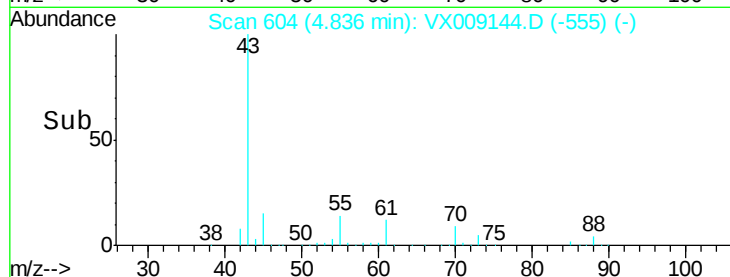
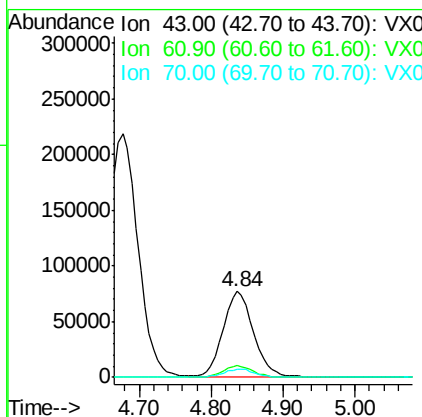
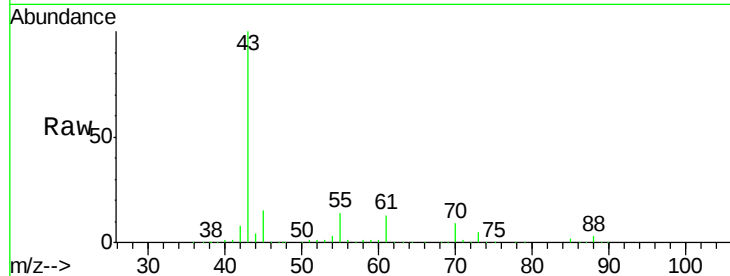
ClientSampleId :

S37-0016MSD

Tot Ion:	43	Resp:	226496
Ion	Ratio	Lower	Upper
43	100		
61	13.4	10.6	15.8
70	9.5	7.7	11.5

Manual Integrations
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#38

Carbon Tetrachloride

Concen: 58.122 ug/l

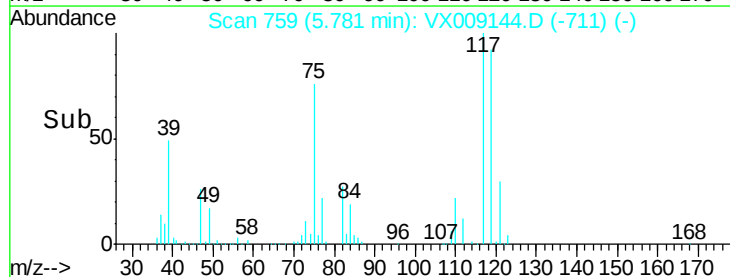
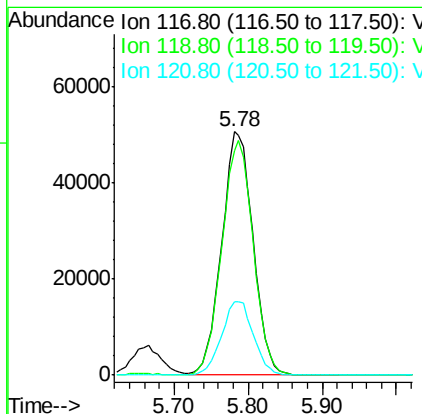
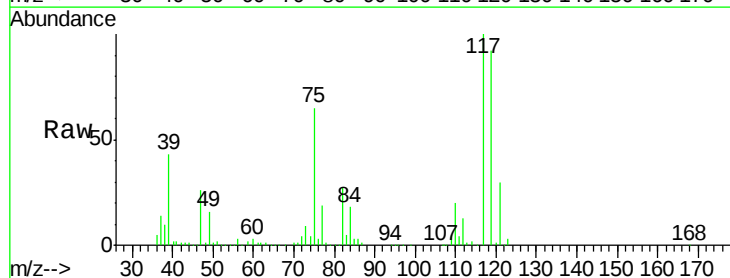
RT: 5.78 min Scan# 759

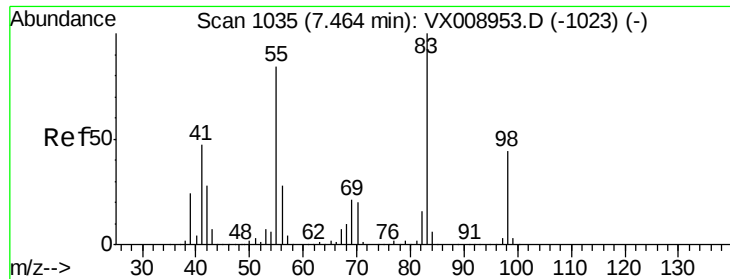
Delta R.T. -0.01 min

Lab File: VX009144.D

Acq: 24 Apr 2019 14:47

Tgt Ion:	117	Resp:	148401
Ion	Ratio	Lower	Upper
117	100		
119	92.3	73.8	110.8
121	30.1	23.6	35.4





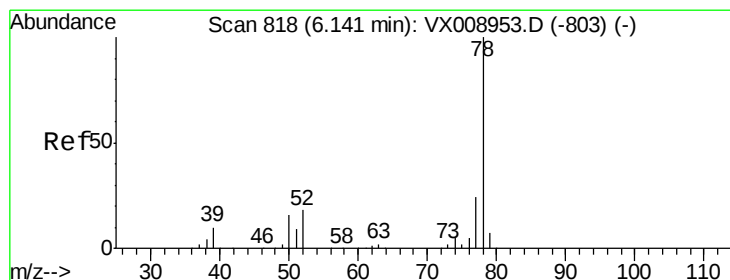
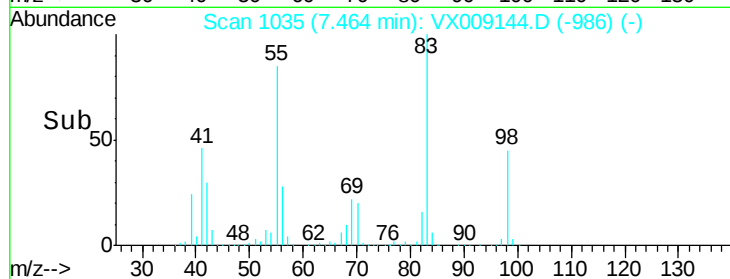
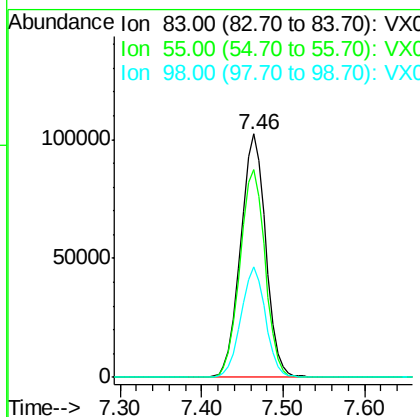
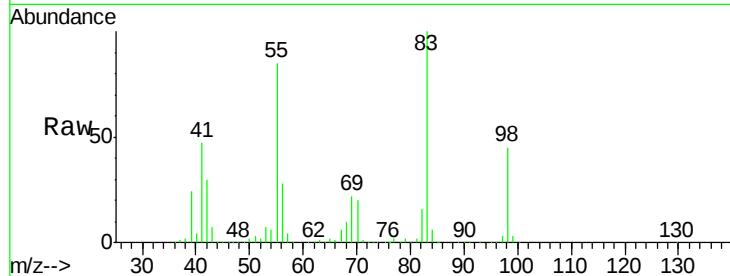
#39
Methvlcvclohexane
Concen: 59.500 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VX009144.D
Acq: 24 Apr 2019 14:47

Instrument :
MSVOA_X
ClientSampleId :
S37-0016MSD

Tot Ion	Ratio	Lower	Upper
83	100		
55	85.4	67.1	100.7
98	45.3	35.1	52.7

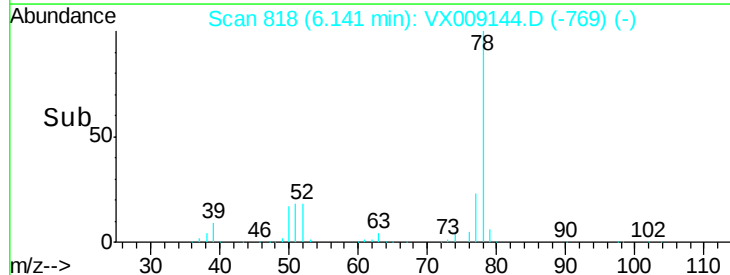
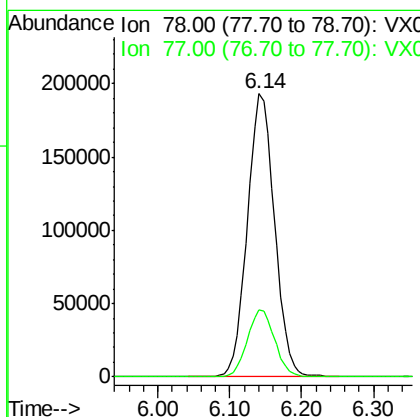
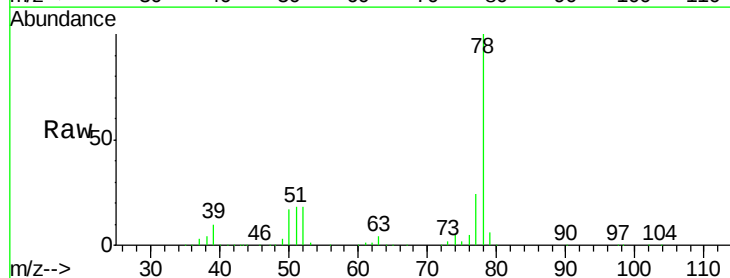
Manual Integrations
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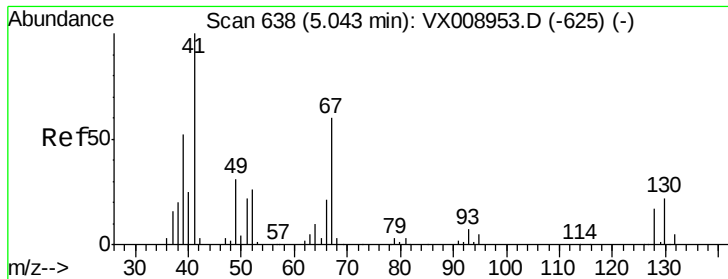
MMDadoda
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#40
Benzene
Concen: 57.091 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX009144.D
Acq: 24 Apr 2019 14:47

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.5	19.0	28.6





#41

Methacrylonitrile

Concen: 59.884 ug/l

RT: 5.04 min Scan# 638

Delta R.T. -0.00 min

Lab File: VX009144.D

Acq: 24 Apr 2019 14:47

Instrument :

MSVOA_X

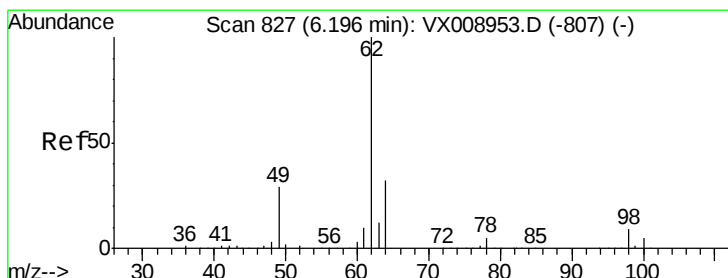
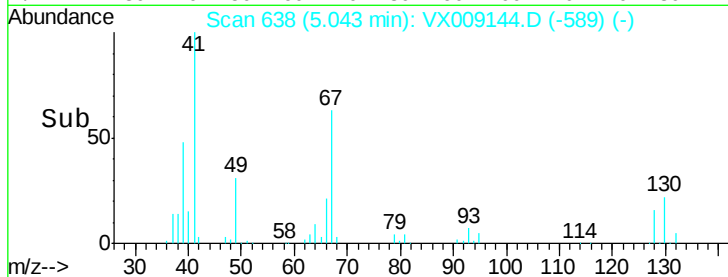
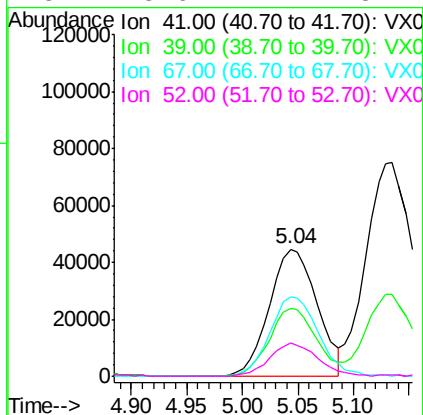
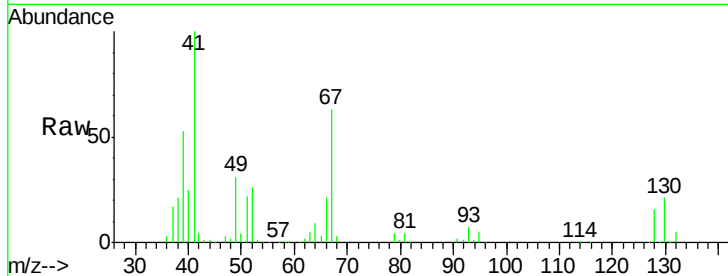
ClientSampleId :

S37-0016MSD

Tot Ion	Ratio	Lower	Upper
41	100		
39	53.5	41.8	62.6
67	63.6	50.2	75.4
52	25.6	21.1	31.7

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 57.593 ug/l

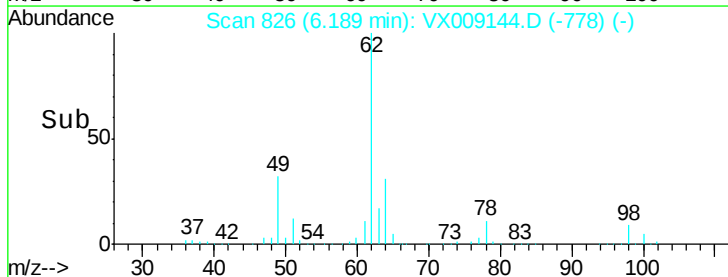
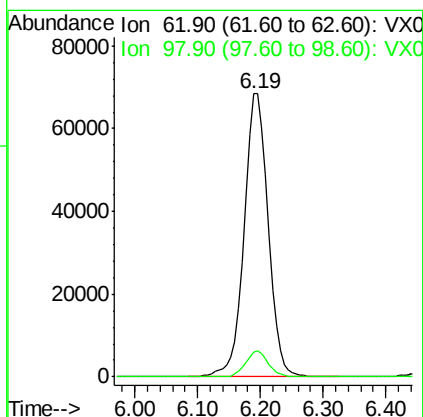
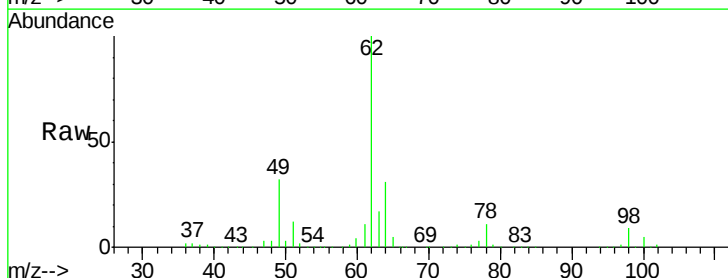
RT: 6.19 min Scan# 826

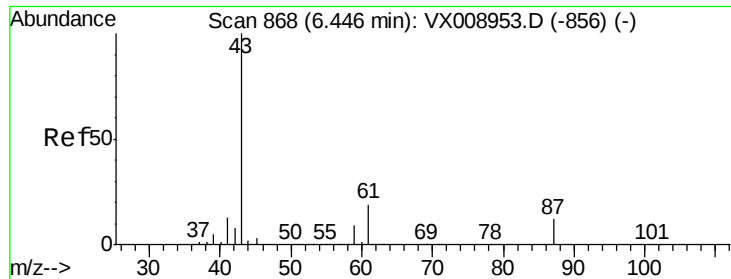
Delta R.T. -0.01 min

Lab File: VX009144.D

Acq: 24 Apr 2019 14:47

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.8	0.0	18.4





#43

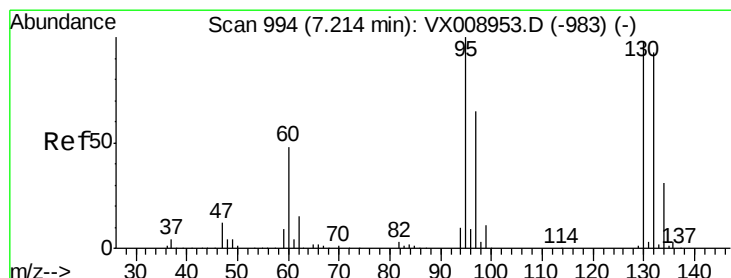
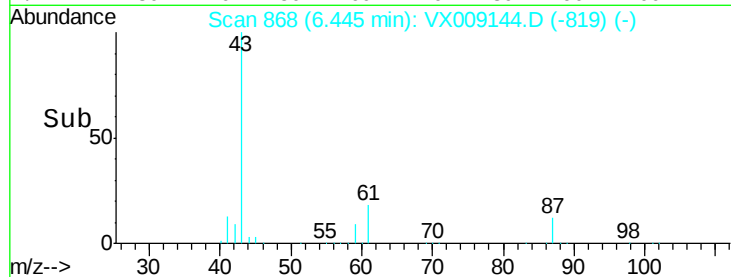
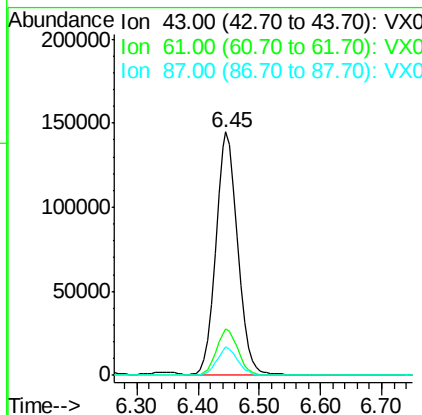
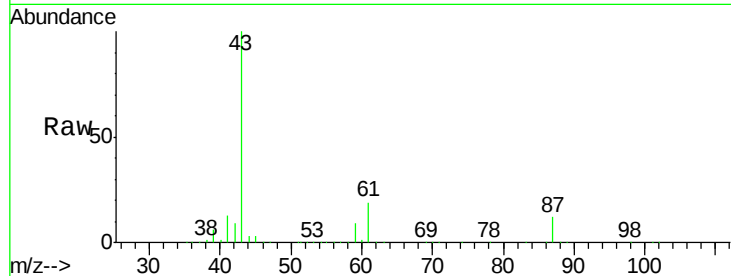
Isopropyl Acetate
 Concen: 58.249 ug/l
 RT: 6.45 min Scan# 868
 Delta R.T. -0.00 min
 Lab File: VX009144.D
 Acq: 24 Apr 2019 14:47

Instrument :
 MSVOA_X
 ClientSampleId :
 S37-0016MSD

Tot Ion	Ratio	Lower	Upper
43	100		
61	18.9	15.4	23.0
87	11.2	9.0	13.4

Manual Integrations
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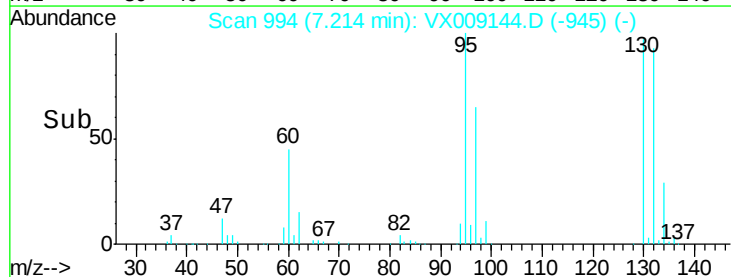
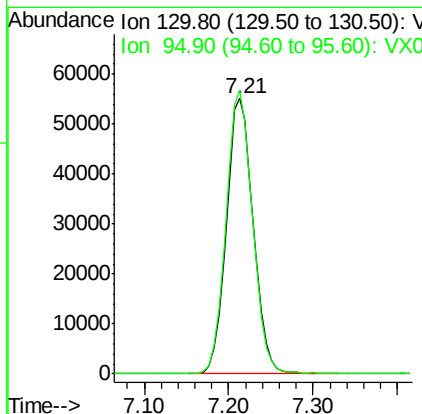
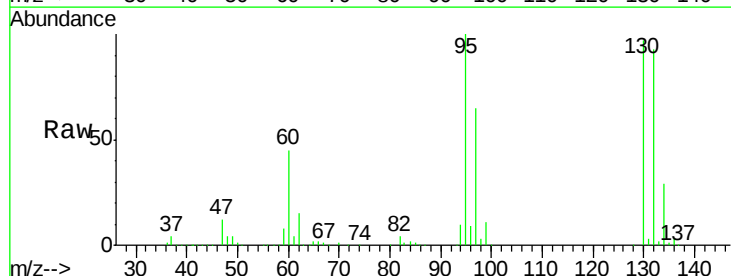
MMDadoda
 4/25/2019 12:34:31 PM

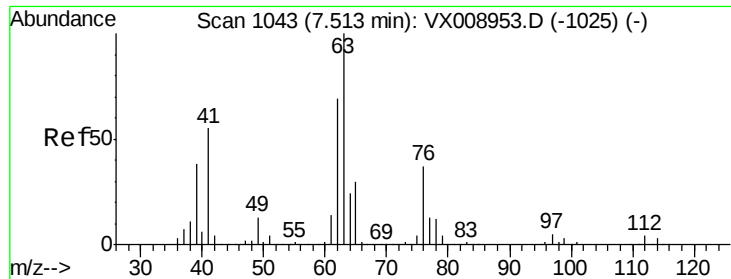


#44

Trichloroethene
 Concen: 54.637 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. -0.00 min
 Lab File: VX009144.D
 Acq: 24 Apr 2019 14:47

Tgt Ion	Ratio	Lower	Upper
130	100		
95	102.7	0.0	203.2





#45

1,2-Dichloropropane

Concen: 58.090 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. -0.00 min

Lab File: VX009144.D

Acq: 24 Apr 2019 14:47

Instrument :

MSVOA_X

ClientSampleId :

S37-0016MSD

Tot Ion: 63 Resp: 143185

Ion Ratio Lower Upper

63 100

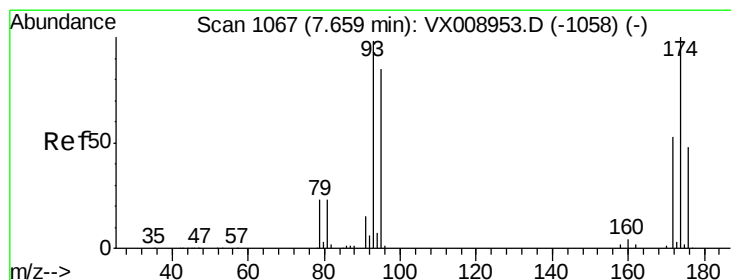
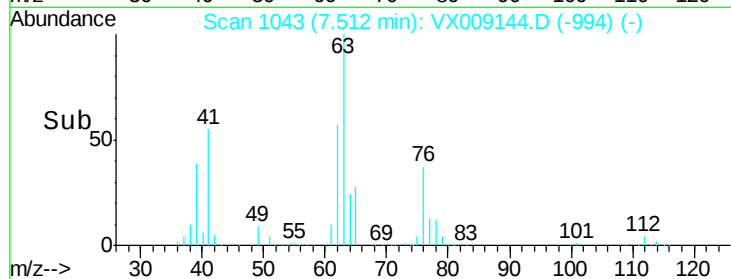
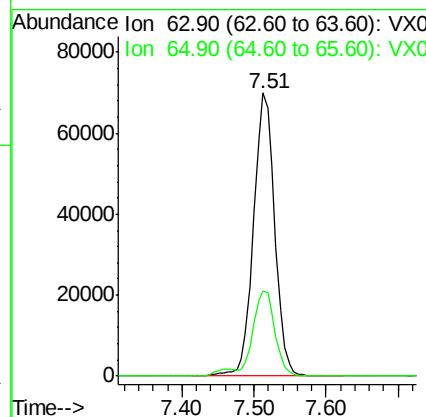
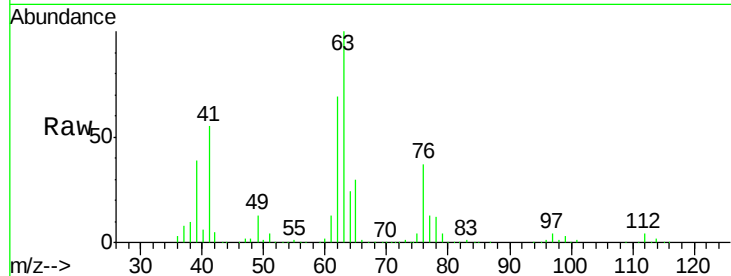
65 30.2 24.1 36.1

Manual Integrations

APPROVED

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#46

Dibromomethane

Concen: 57.959 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. -0.00 min

Lab File: VX009144.D

Acq: 24 Apr 2019 14:47

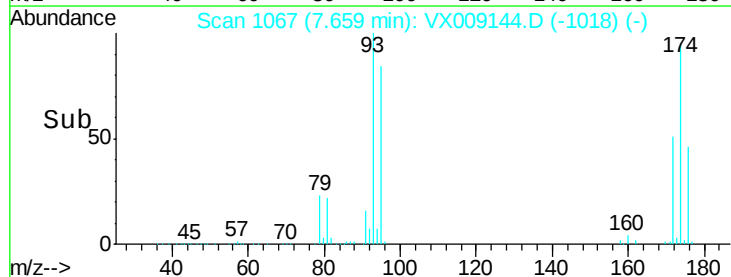
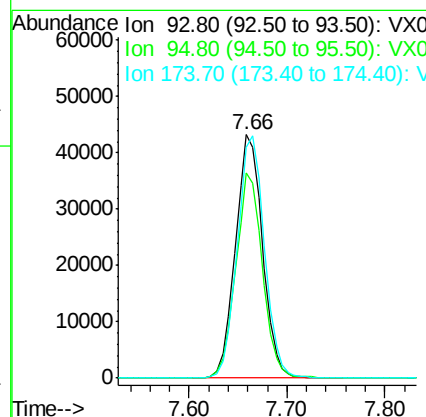
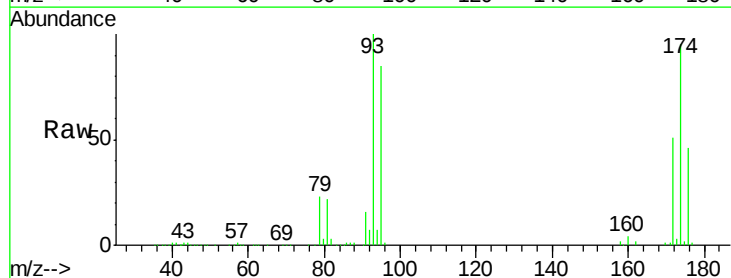
Tgt Ion: 93 Resp: 83142

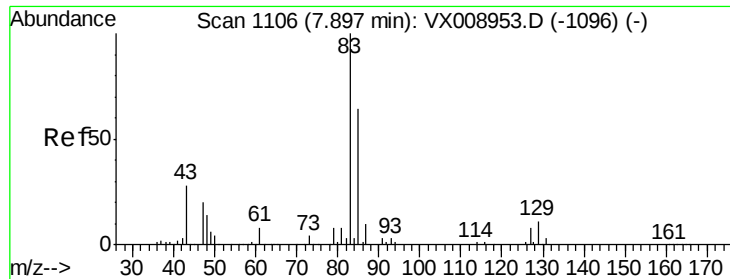
Ion Ratio Lower Upper

93 100

95 83.1 67.0 100.4

174 100.2 81.6 122.4





#47

Bromodichloromethane

Concen: 58.950 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX009144.D

Acq: 24 Apr 2019 14:47

Instrument :

MSVOA_X

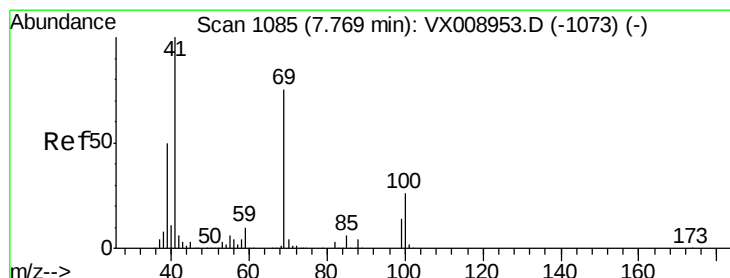
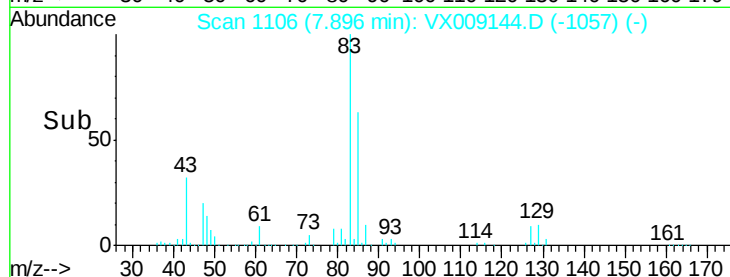
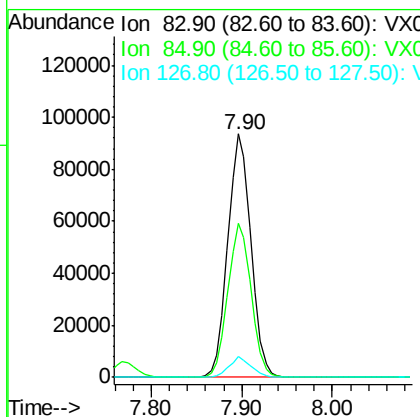
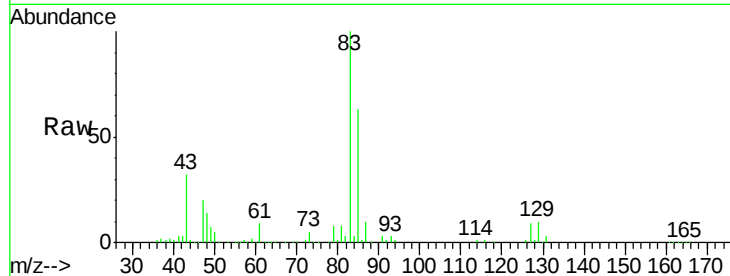
ClientSampleId :

S37-0016MSD

Tot Ion:	83	Resp:	165861
Ion	Ratio	Lower	Upper
83	100		
85	63.3	50.8	76.2
127	8.7	6.4	9.6

Manual Integrations
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#48

Methyl methacrylate

Concen: 59.888 ug/l

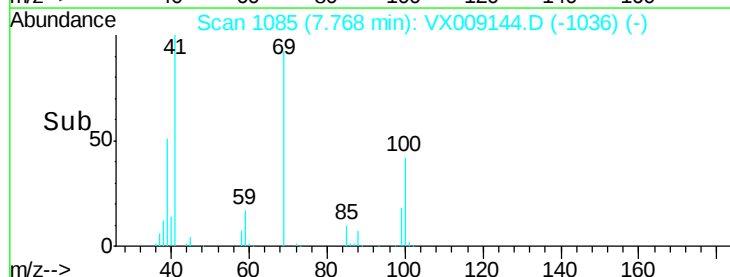
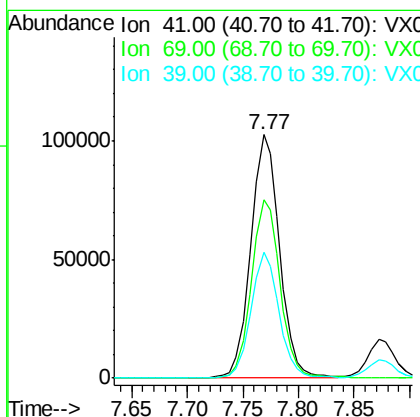
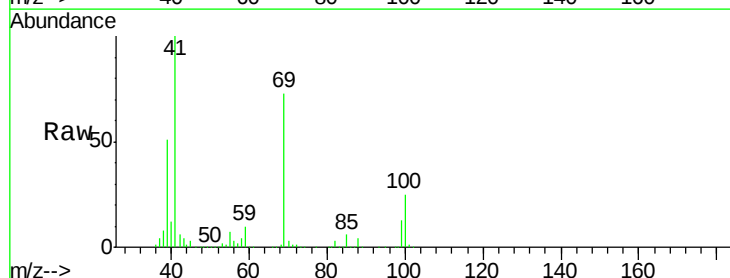
RT: 7.77 min Scan# 1085

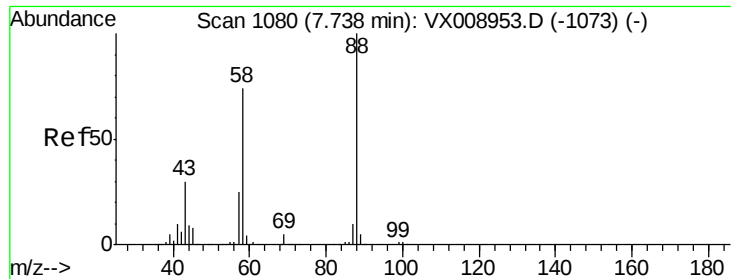
Delta R.T. -0.00 min

Lab File: VX009144.D

Acq: 24 Apr 2019 14:47

Tgt Ion:	41	Resp:	184806
Ion	Ratio	Lower	Upper
41	100		
69	73.6	59.4	89.2
39	50.3	39.8	59.6





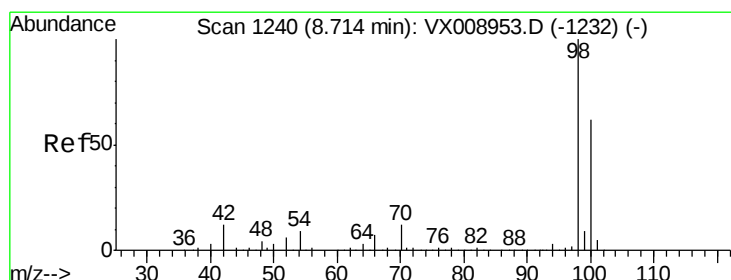
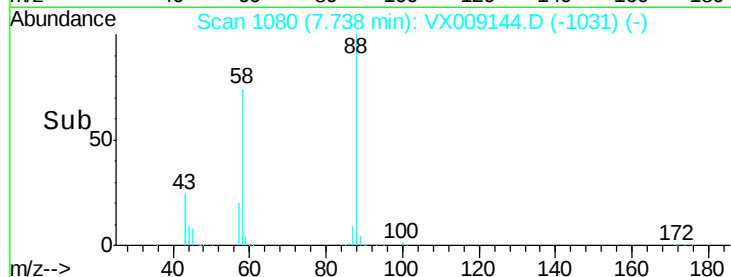
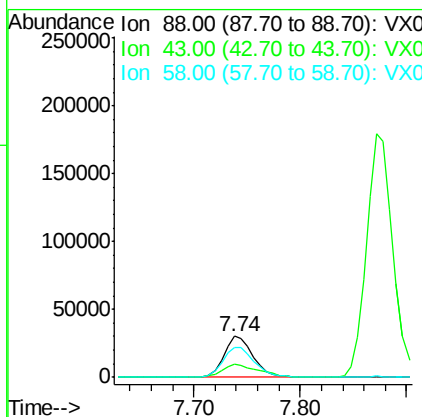
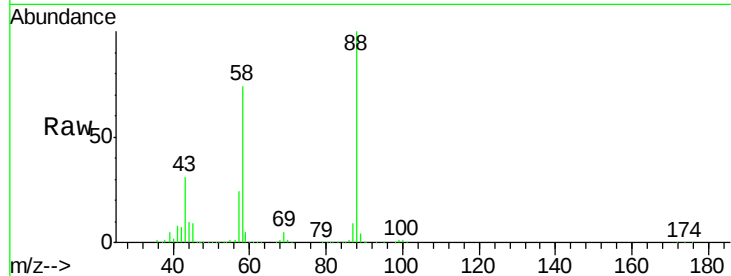
#49
1,4-Dioxane
Concen: 1010.537 ug/l
RT: 7.74 min Scan# 1080
Delta R.T. -0.00 min
Lab File: VX009144.D
Acq: 24 Apr 2019 14:47

Instrument :
MSVOA_X
ClientSampleId :
S37-0016MSD

Tot Ion	Ratio	Lower	Upper
88	100		
43	38.0	29.3	43.9
58	79.8	62.6	93.8

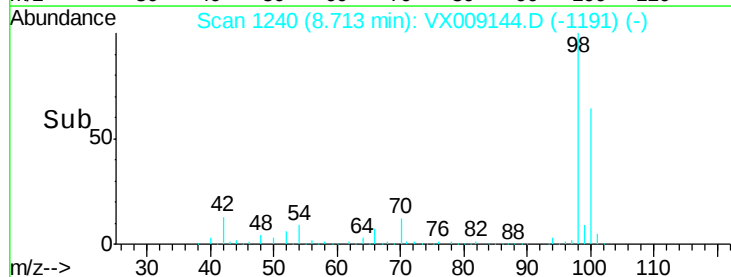
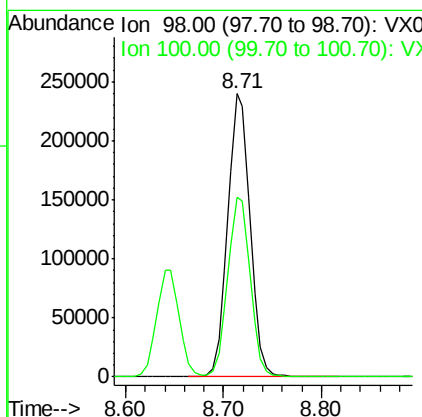
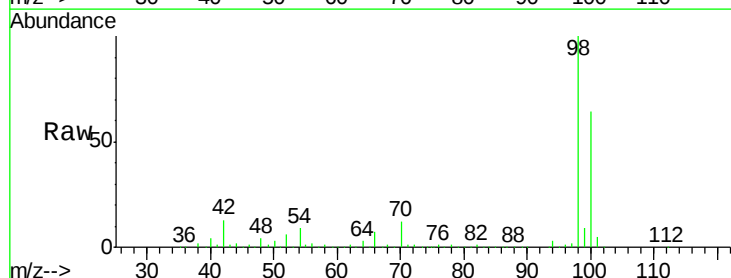
Manual Integrations
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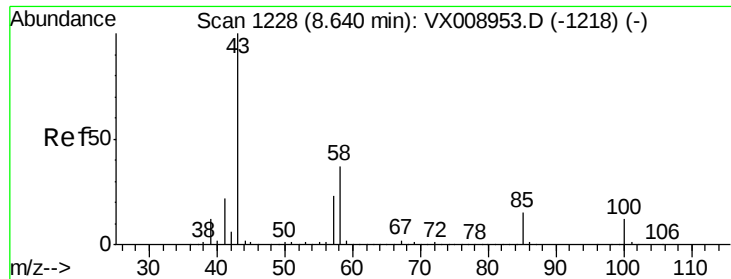
MMDadoda
4/25/2019 12:34:31 PM



#50
Toluene-d8
Concen: 50.999 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX009144.D
Acq: 24 Apr 2019 14:47

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.1	51.4	77.2





#51

4-Methyl-2-Pentanone

Concen: 298.867 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. -0.00 min

Lab File: VX009144.D

Acq: 24 Apr 2019 14:47

Instrument :

MSVOA_X

ClientSampleId :

S37-0016MSD

Tot Ion: 43 Resp: 1189105

Ion Ratio Lower Upper

43 100

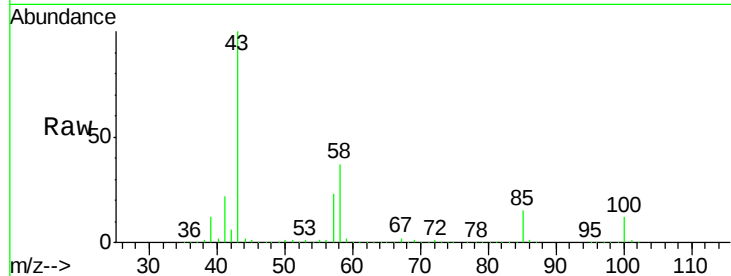
58 36.8 29.8 44.6

Manual Integrations

APPROVED

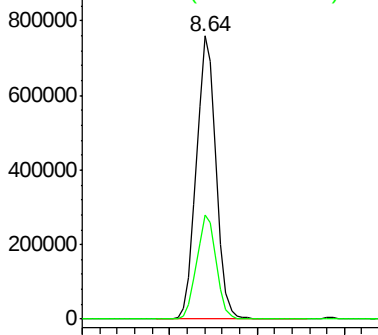
MMDadoda

4/25/2019 12:34:31 PM

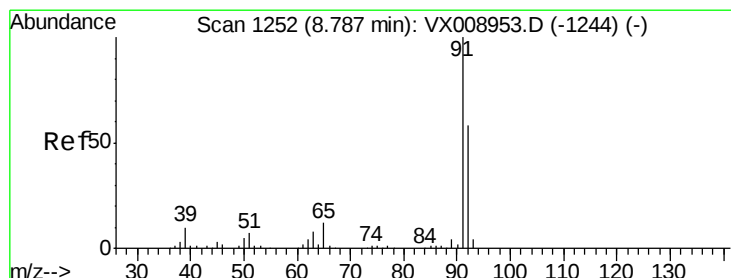
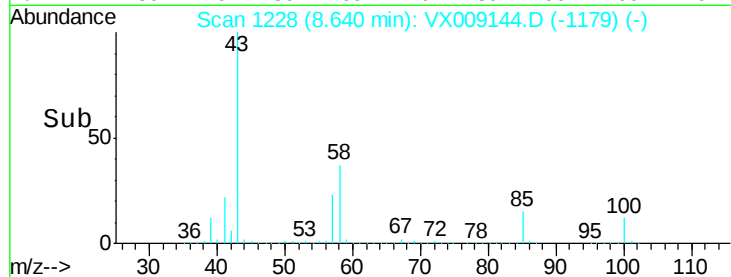


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



Time--> 8.50 8.60 8.70 8.80



#52

Toluene

Concen: 56.149 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VX009144.D

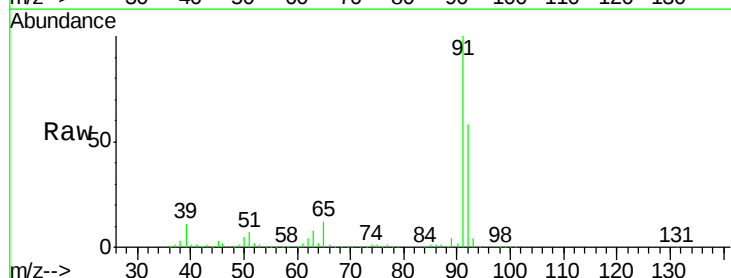
Acq: 24 Apr 2019 14:47

Tgt Ion: 92 Resp: 298984

Ion Ratio Lower Upper

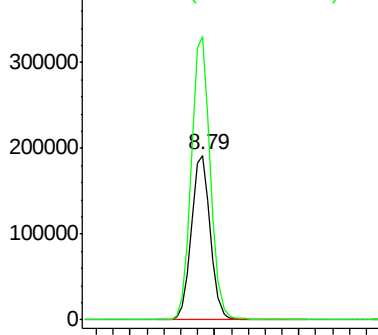
92 100

91 172.3 138.5 207.7

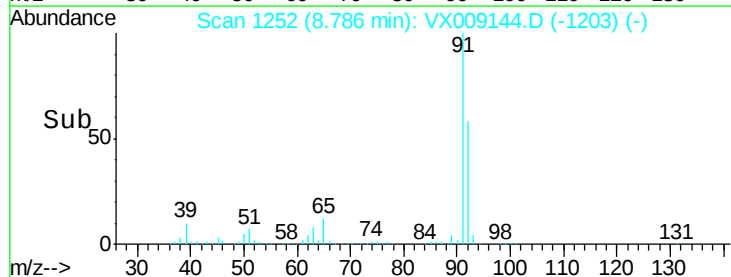


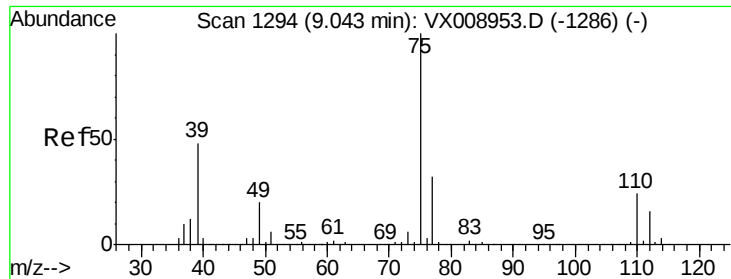
Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0



Time--> 8.70 8.80 8.90





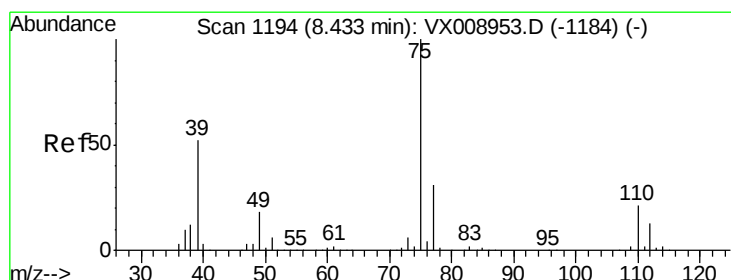
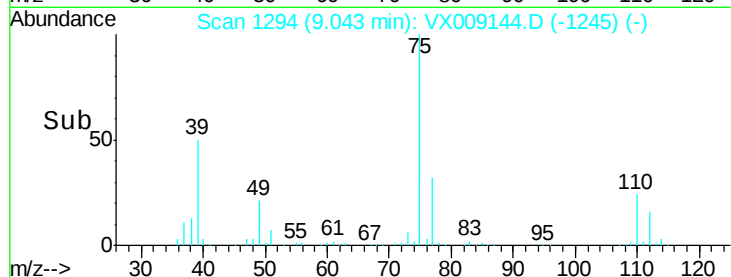
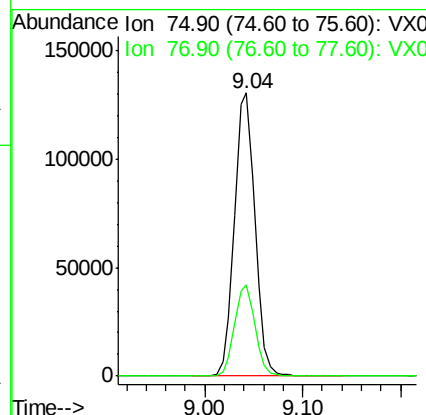
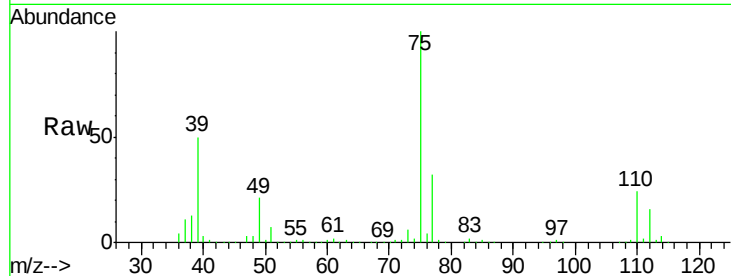
#53
 t-1,3-Dichloropropene
 Concen: 58.713 ug/l
 RT: 9.04 min Scan# 1294
 Delta R.T. -0.00 min
 Lab File: VX009144.D
 Acq: 24 Apr 2019 14:47

Instrument :
 MSVOA_X
 ClientSampleId :
 S37-0016MSD

Tot Ion	Ratio	Resp	Lower	Upper
75	100	190116		
77	32.1		25.4	38.2

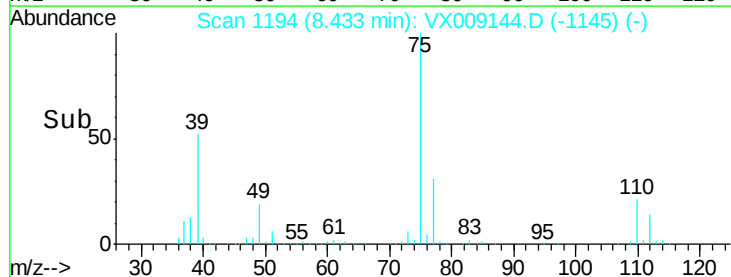
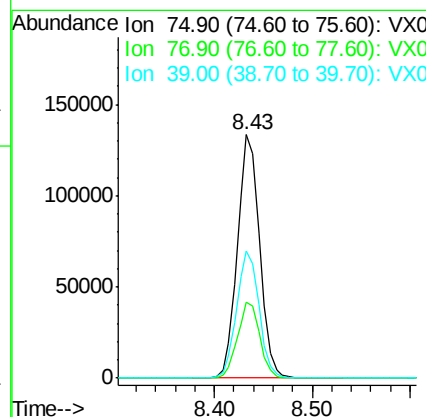
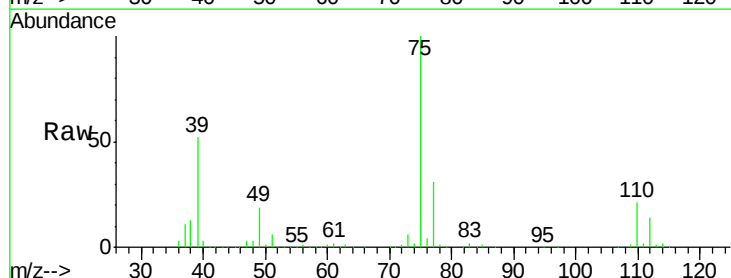
Manual Integrations
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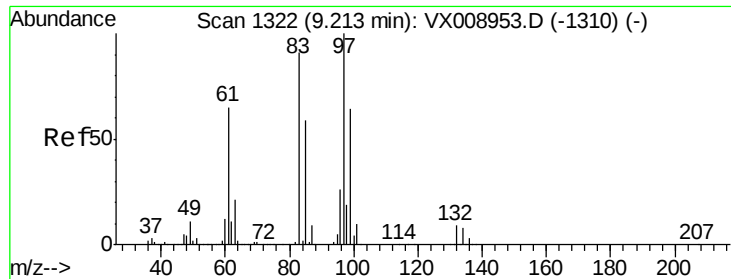
MMDadoda
 4/25/2019 12:34:31 PM



#54
 cis-1,3-Dichloropropene
 Concen: 57.898 ug/l
 RT: 8.43 min Scan# 1194
 Delta R.T. -0.00 min
 Lab File: VX009144.D
 Acq: 24 Apr 2019 14:47

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	209921		
77	31.2		24.8	37.2
39	52.2		41.8	62.6





#55

1,1,2-Trichloroethane

Concen: 58.386 ug/l

RT: 9.21 min Scan# 1322

Delta R.T. -0.00 min

Lab File: VX009144.D

Acq: 24 Apr 2019 14:47

Instrument :

MSVOA_X

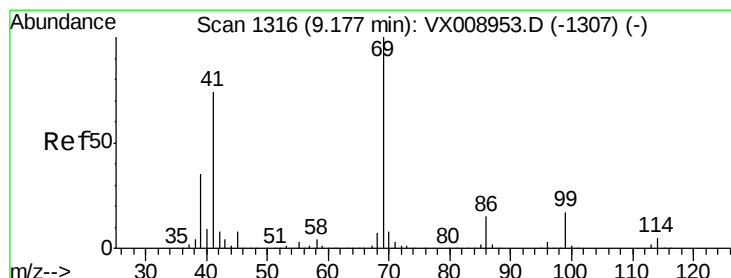
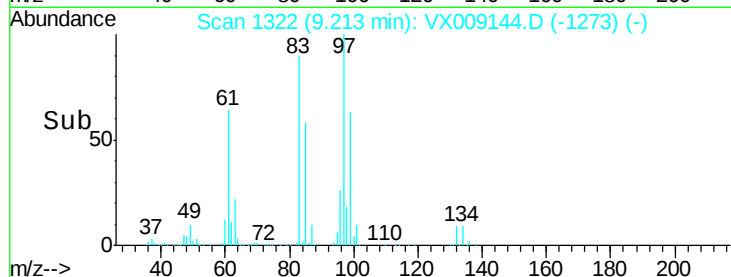
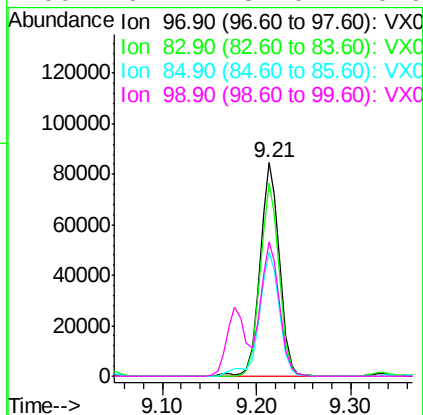
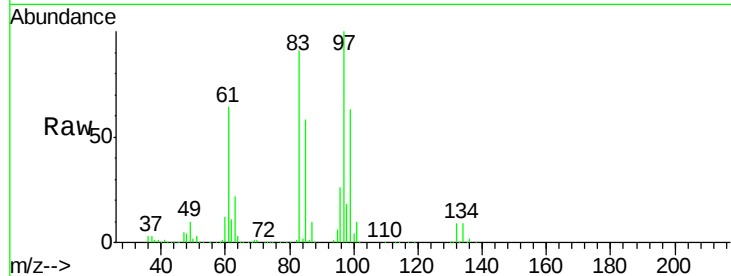
ClientSampleId :

S37-0016MSD

Tot Ion	97	Resp	123217
Ion Ratio	Lower	Upper	
97	100		
83	90.6	72.6	108.8
85	58.1	46.9	70.3
99	62.7	51.0	76.6

Manual Integrations
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4/25/2019 12:34:31 PM



#56

Ethyl methacrylate

Concen: 58.612 ug/l

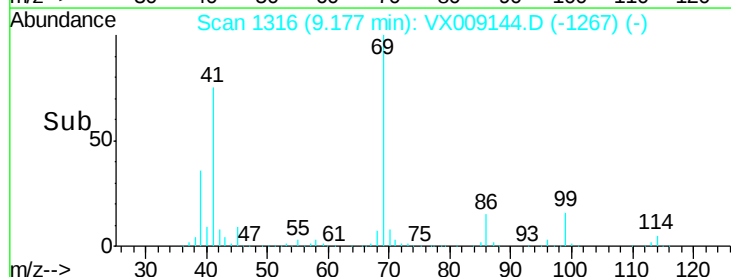
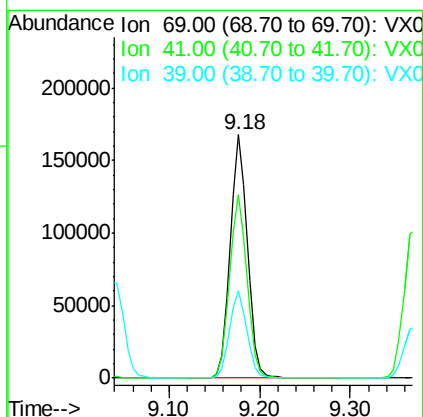
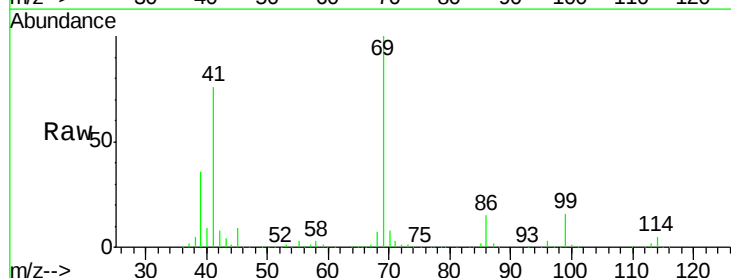
RT: 9.18 min Scan# 1316

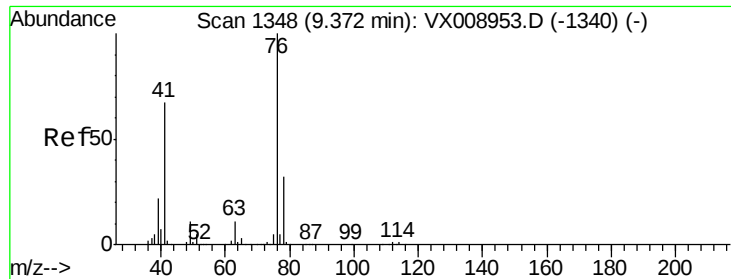
Delta R.T. -0.00 min

Lab File: VX009144.D

Acq: 24 Apr 2019 14:47

Tgt Ion	69	Resp	221796
Ion Ratio	Lower	Upper	
69	100		
41	75.9	60.2	90.2
39	35.7	27.9	41.9





#57

1,3-Dichloropropane

Concen: 57.573 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. -0.00 min

Lab File: VX009144.D

Acq: 24 Apr 2019 14:47

Instrument :

MSVOA_X

ClientSampleId :

S37-0016MSD

Tot Ion: 76 Resp: 216334

Ion Ratio Lower Upper

76 100

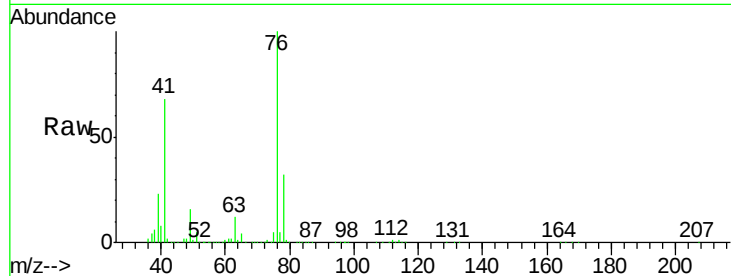
78 32.2 25.7 38.5

Manual Integrations

APPROVED

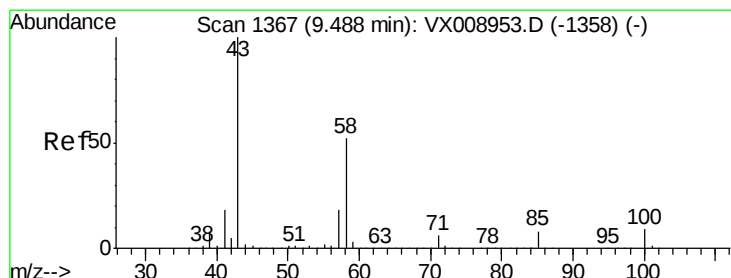
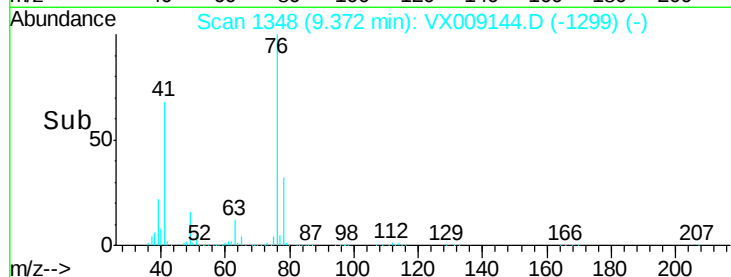
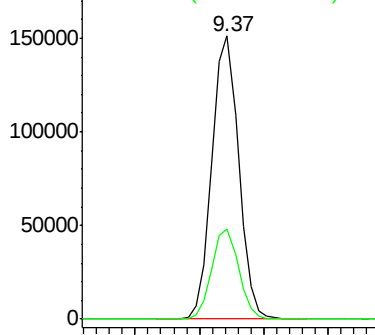
MMDadoda

4/25/2019 12:34:31 PM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#59

2-Hexanone

Concen: 296.762 ug/l

RT: 9.49 min Scan# 1368

Delta R.T. 0.01 min

Lab File: VX009144.D

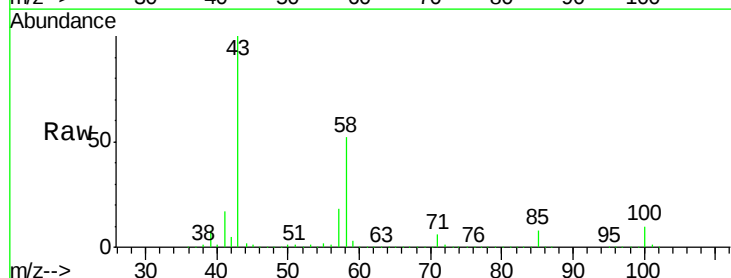
Acq: 24 Apr 2019 14:47

Tgt Ion: 43 Resp: 910315

Ion Ratio Lower Upper

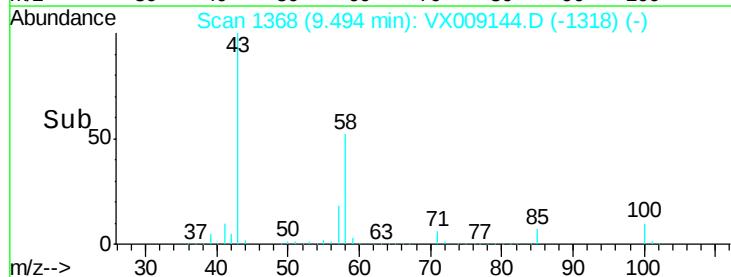
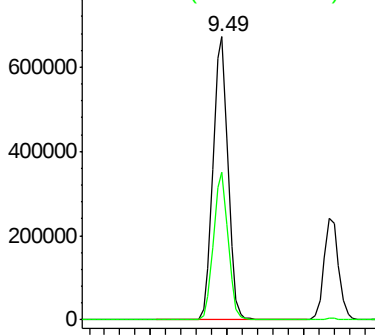
43 100

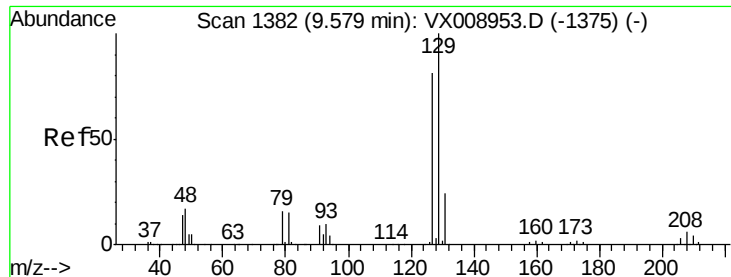
58 51.2 25.9 77.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#60

Dibromochloromethane

Concen: 60.269 ug/l

RT: 9.59 min Scan# 1383

Delta R.T. 0.01 min

Lab File: VX009144.D

Acq: 24 Apr 2019 14:47

Instrument :

MSVOA_X

ClientSampleId :

S37-0016MSD

Tot Ion:129 Resp: 121901

Ion Ratio Lower Upper

129 100

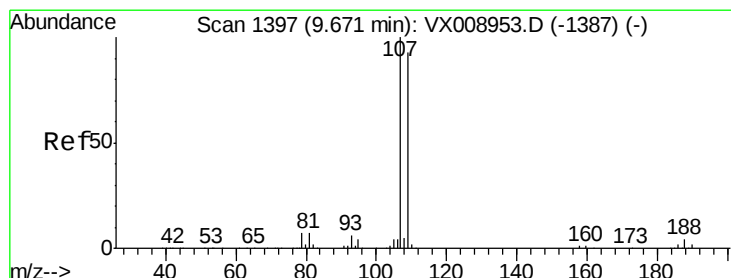
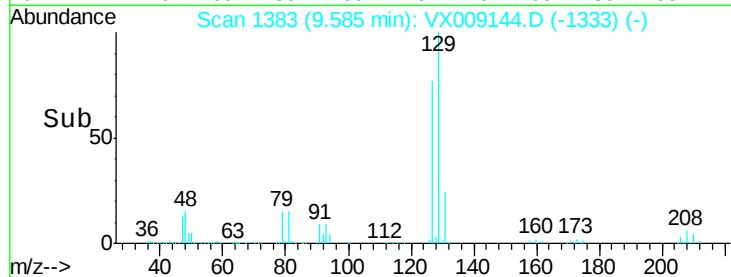
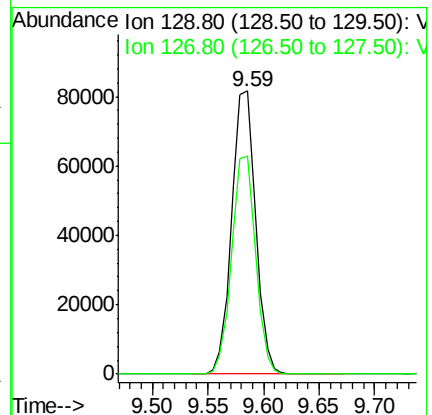
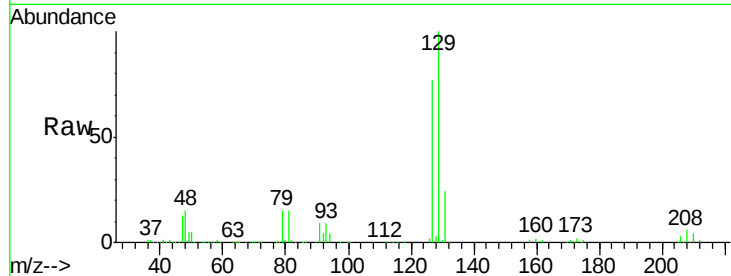
127 77.1 39.1 117.2

Manual Integrations

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#61

1,2-Dibromoethane

Concen: 57.305 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX009144.D

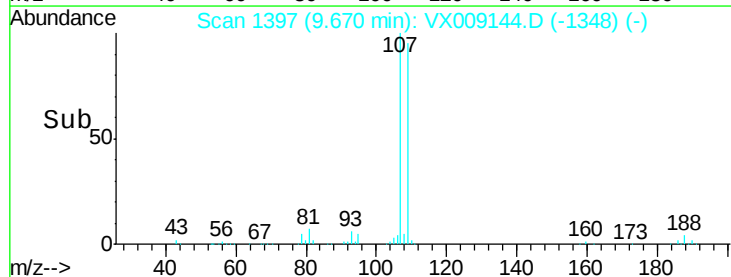
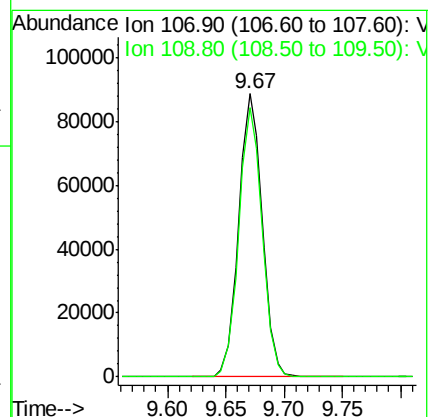
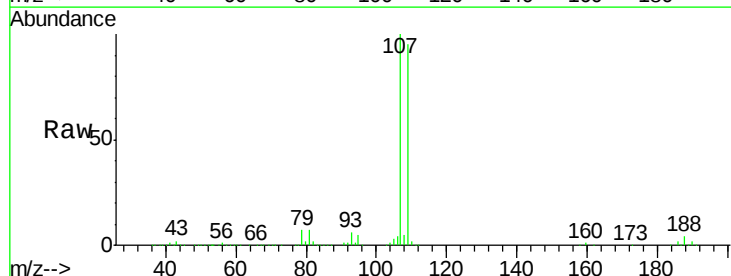
Acq: 24 Apr 2019 14:47

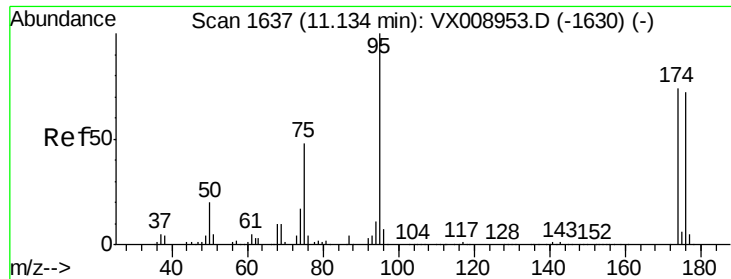
Tgt Ion:107 Resp: 124816

Ion Ratio Lower Upper

107 100

109 94.8 74.4 111.6





#62

4-Bromofluorobenzene

Concen: 50.994 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX009144.D

Acq: 24 Apr 2019 14:47

Instrument :

MSVOA_X

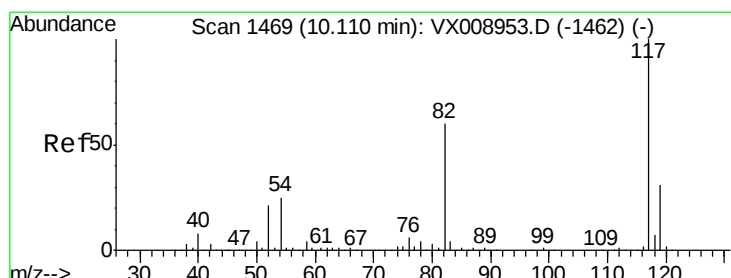
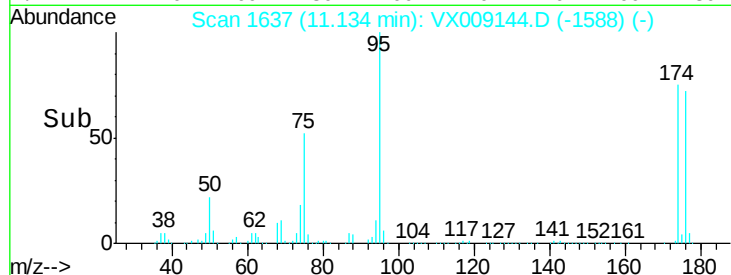
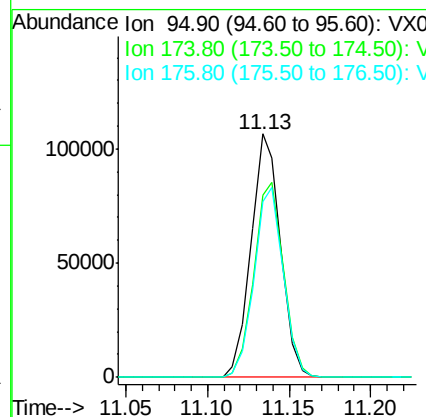
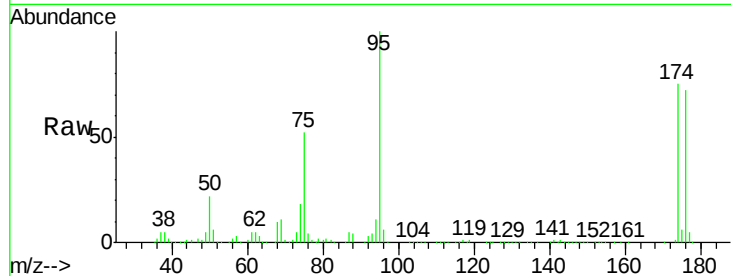
ClientSampled :

S37-0016MSD

Tot Ion:	95	Resp:	134168
Ion Ratio	Lower	Upper	
95	100		
174	80.5	0.0	159.6
176	77.5	0.0	154.8

Manual Integrations
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#63

Chlorobenzene-d5

Concen: 50.000 ug/l

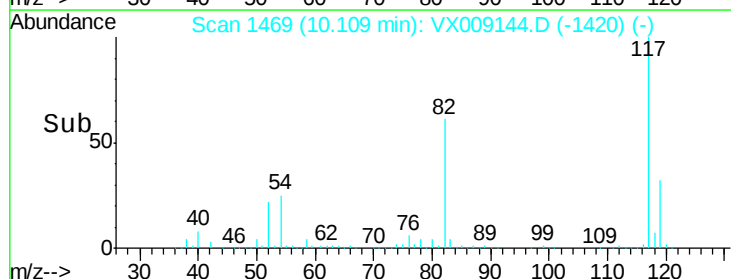
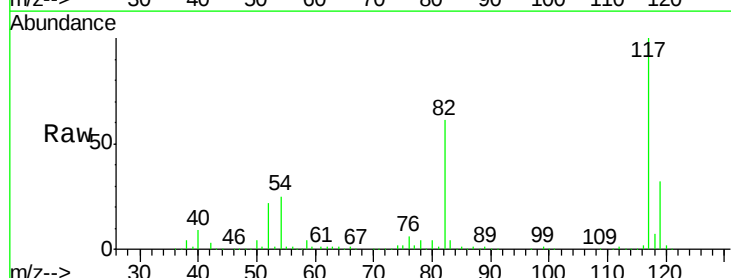
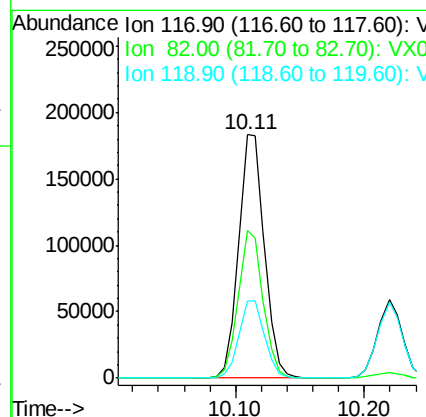
RT: 10.11 min Scan# 1469

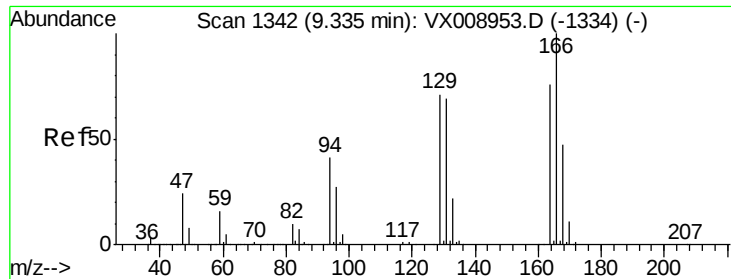
Delta R.T. -0.00 min

Lab File: VX009144.D

Acq: 24 Apr 2019 14:47

Tgt Ion:	117	Resp:	255036
Ion Ratio	Lower	Upper	
117	100		
82	60.5	48.2	72.4
119	31.9	25.0	37.6





#64

Tetrachloroethene

Concen: 51.408 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. -0.00 min

Lab File: VX009144.D

Acq: 24 Apr 2019 14:47

Instrument :

MSVOA_X

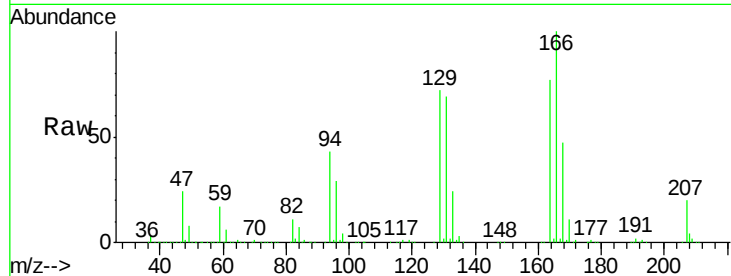
ClientSampleId :

S37-0016MSD

Tot Ion:	164	Resp:	99600
Ion Ratio	Lower	Upper	
164	100		
166	129.4	105.0	157.4
129	93.2	74.2	111.4
131	89.5	72.2	108.2

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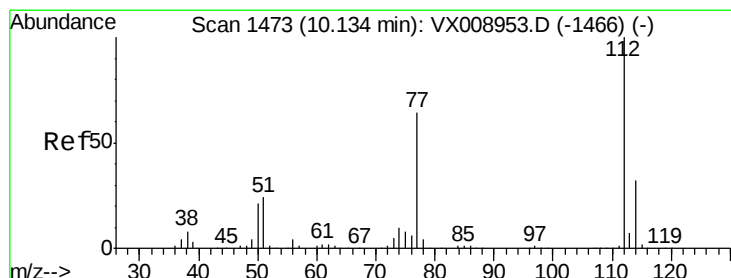
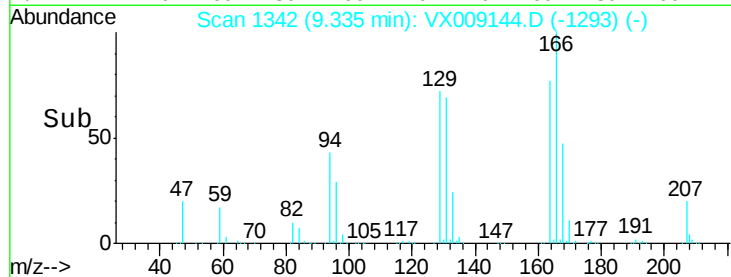
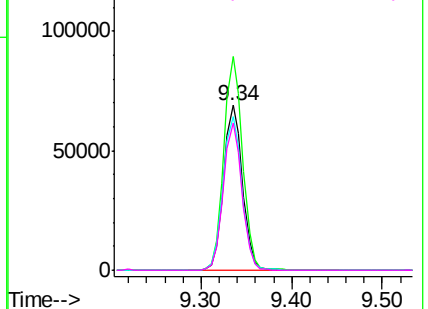


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#65

Chlorobenzene

Concen: 55.875 ug/l

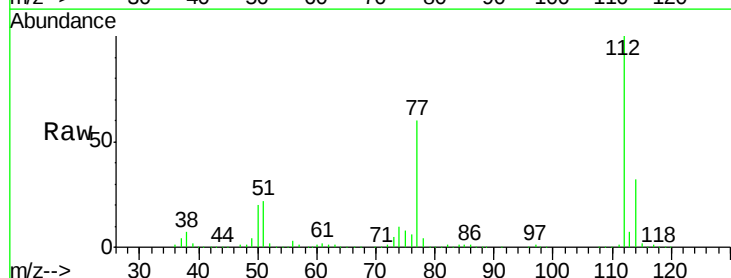
RT: 10.14 min Scan# 1474

Delta R.T. 0.01 min

Lab File: VX009144.D

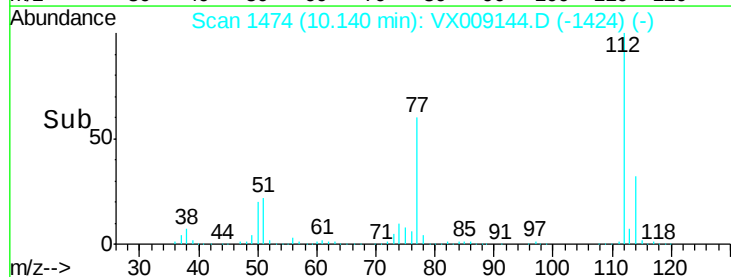
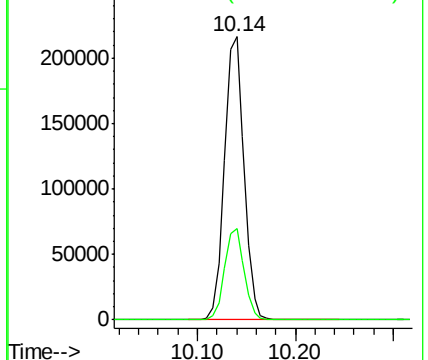
Acq: 24 Apr 2019 14:47

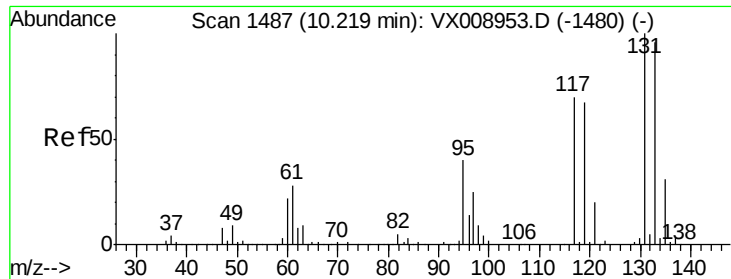
Tgt Ion:	112	Resp:	300782
Ion Ratio	Lower	Upper	
112	100		
114	32.2	25.4	38.0



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V





#66

1,1,1,2-Tetrachloroethane

Concen: 58.766 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VX009144.D

Acq: 24 Apr 2019 14:47

Instrument :

MSVOA_X

ClientSampleId :

S37-0016MSD

Tot Ion:131 Resp: 111443

Ion Ratio Lower Upper

131 100

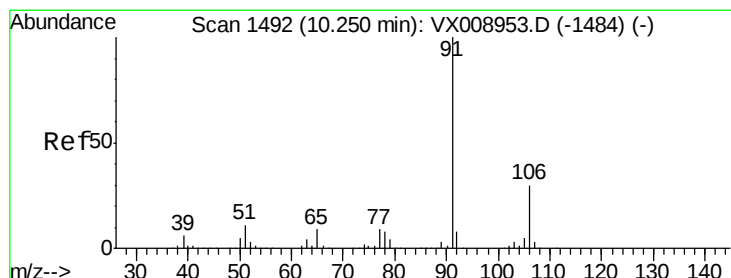
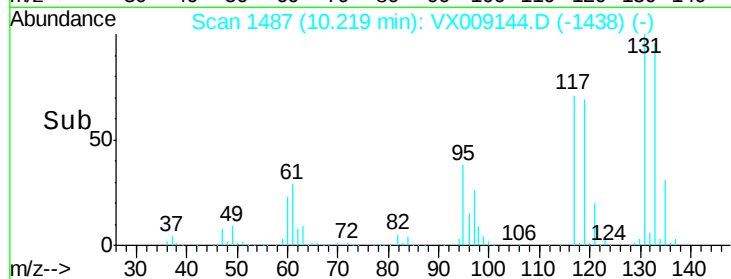
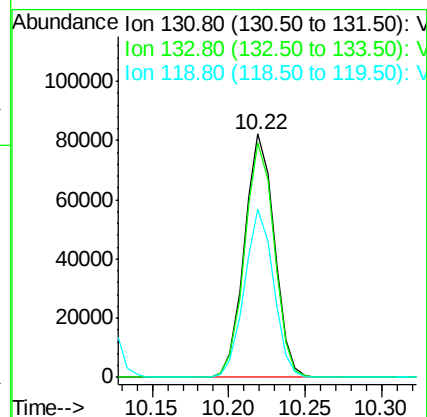
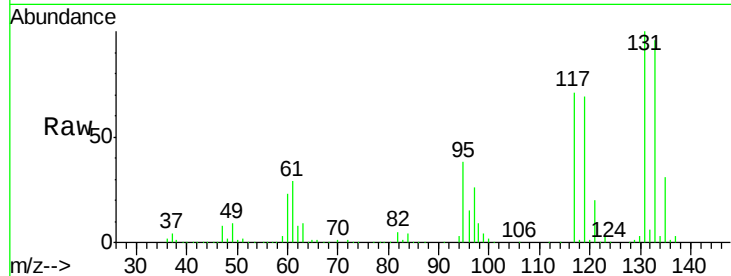
133 95.6 48.0 144.2

119 67.4 33.7 101.1

Manual Integrations
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#67

Ethyl Benzene

Concen: 57.117 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX009144.D

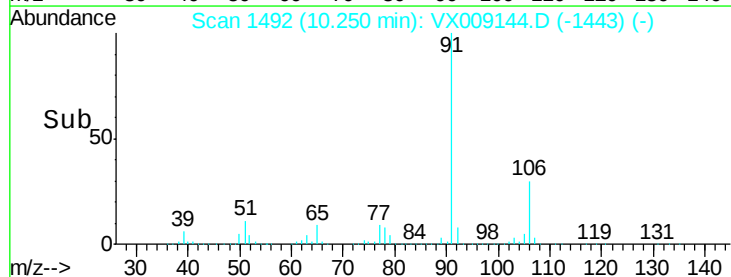
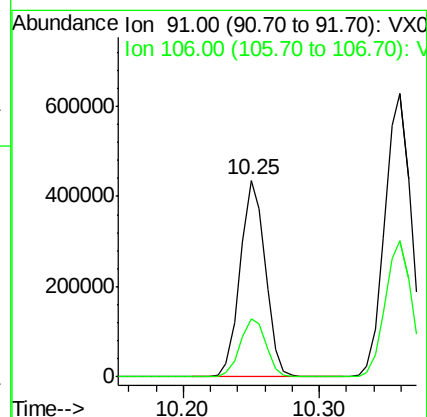
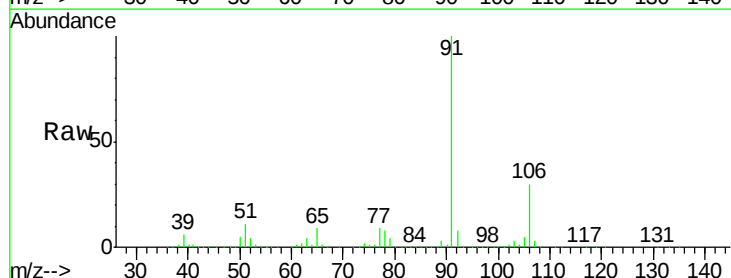
Acq: 24 Apr 2019 14:47

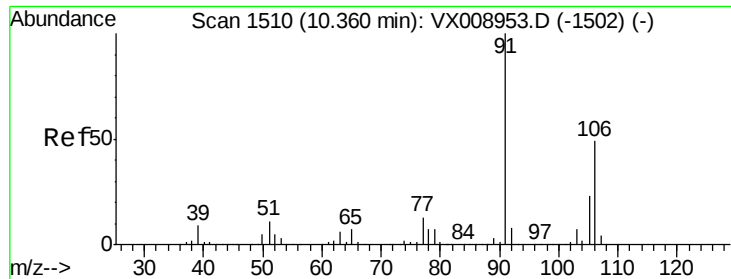
Tgt Ion: 91 Resp: 562067

Ion Ratio Lower Upper

91 100

106 29.8 24.3 36.5





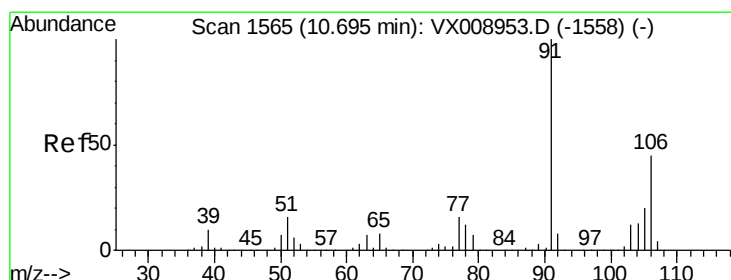
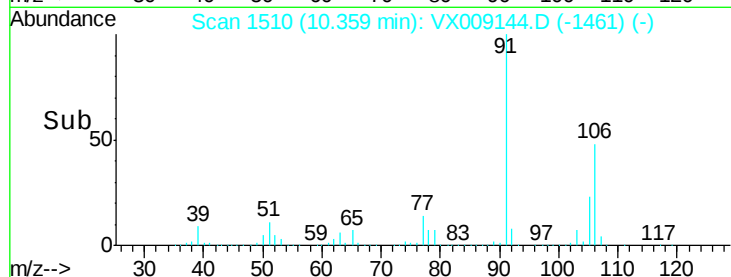
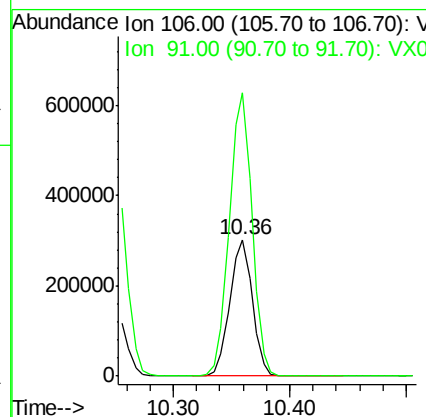
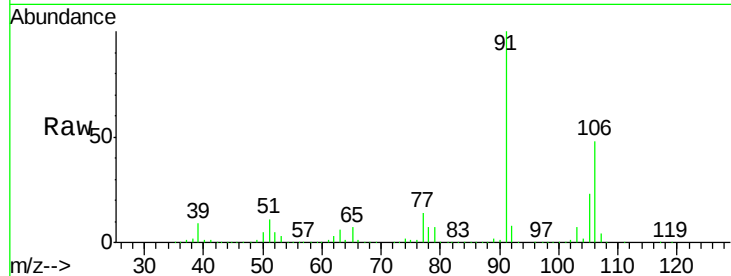
#68
m/p-Xvlenes
Concen: 113.257 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VX009144.D
Acq: 24 Apr 2019 14:47

Instrument :
MSVOA_X
ClientSampleId :
S37-0016MSD

Tot Ion:106 Resp: 405043
Ion Ratio Lower Upper
106 100
91 209.4 165.4 248.2

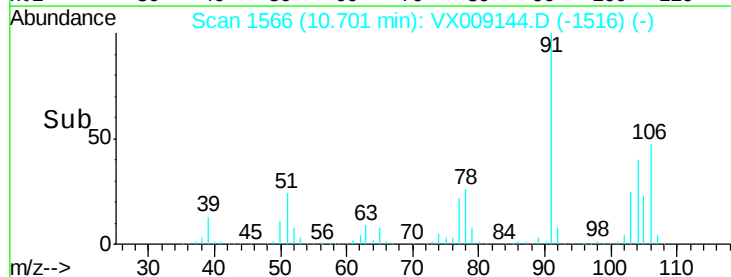
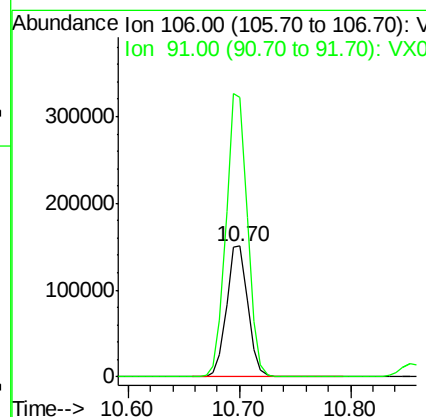
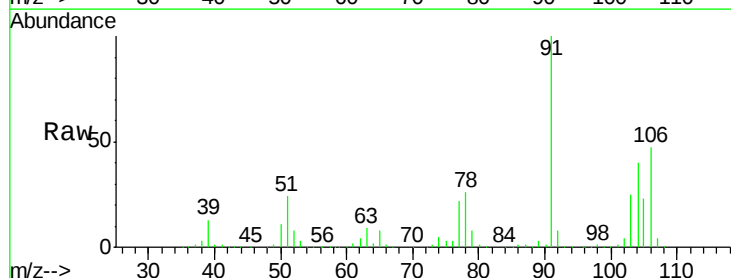
Manual Integrations
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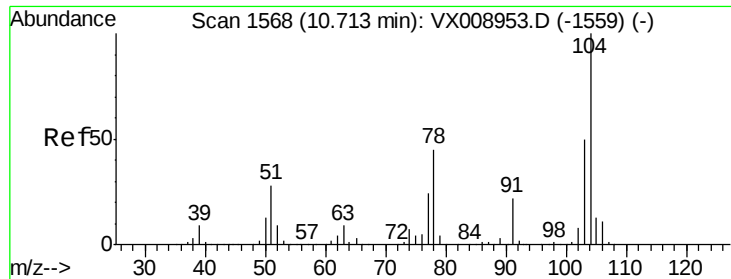
MMDadoda
4/25/2019 12:34:31 PM



#69
o-Xylene
Concen: 57.164 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.01 min
Lab File: VX009144.D
Acq: 24 Apr 2019 14:47

Tgt Ion:106 Resp: 198920
Ion Ratio Lower Upper
106 100
91 217.6 108.9 326.7





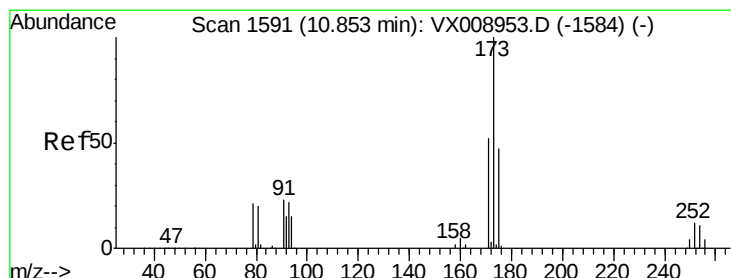
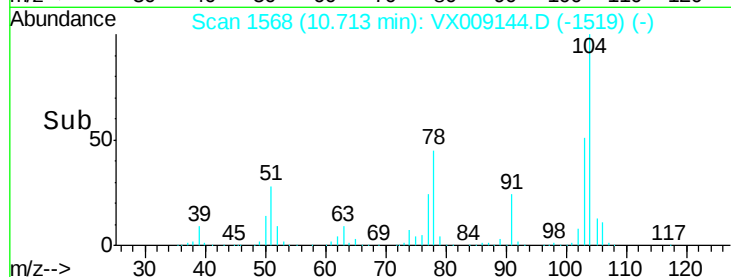
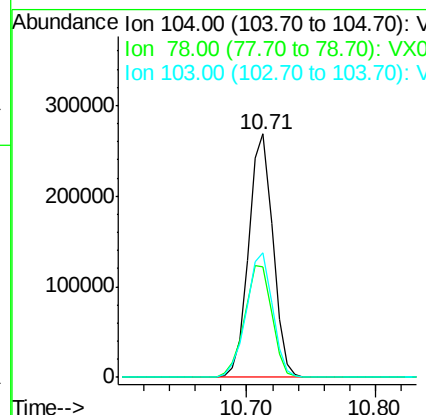
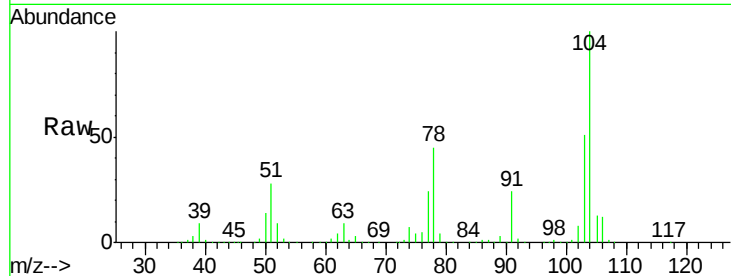
#70
Stvrene
Concen: 57.594 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX009144.D
Acq: 24 Apr 2019 14:47

Instrument :
MSVOA_X
ClientSampleId :
S37-0016MSD

Tot Ion	Ratio	Lower	Upper
104	100		
78	52.1	41.2	61.8
103	55.3	43.9	65.9

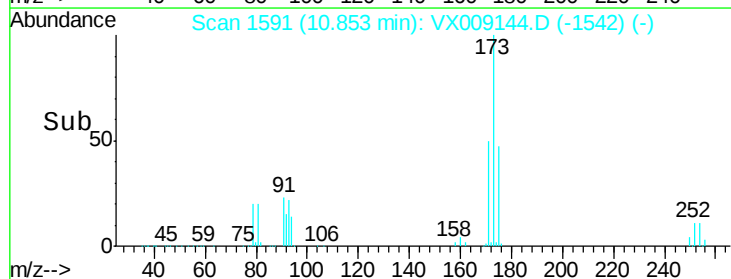
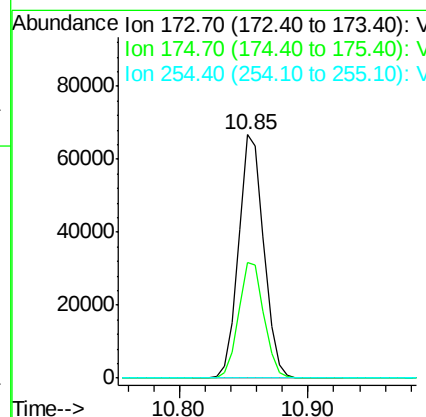
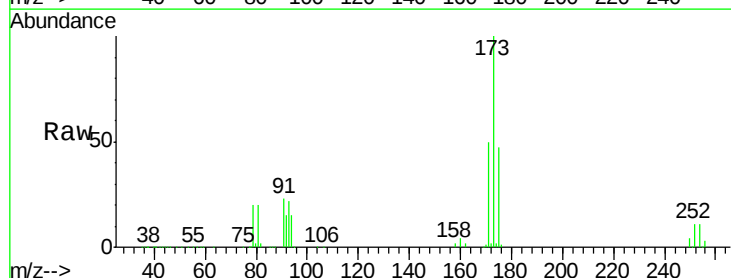
Manual Integrations
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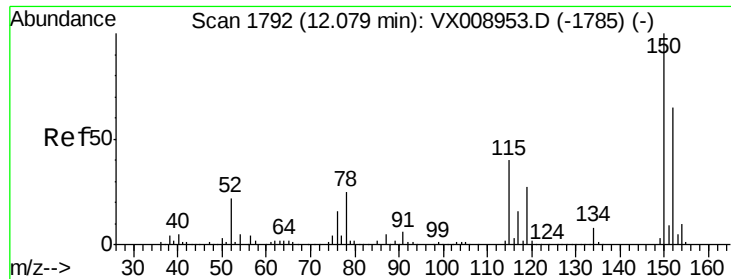
MMDadoda
4/25/2019 12:34:31 PM



#71
Bromoform
Concen: 60.192 ug/l
RT: 10.85 min Scan# 1591
Delta R.T. -0.00 min
Lab File: VX009144.D
Acq: 24 Apr 2019 14:47

Tgt Ion	Ratio	Lower	Upper
173	100		
175	47.8	23.9	71.8
254	0.2	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: VX009144.D

Acq: 24 Apr 2019 14:47

Instrument :

MSVOA_X

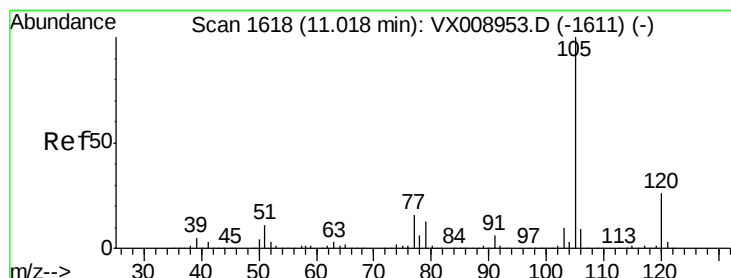
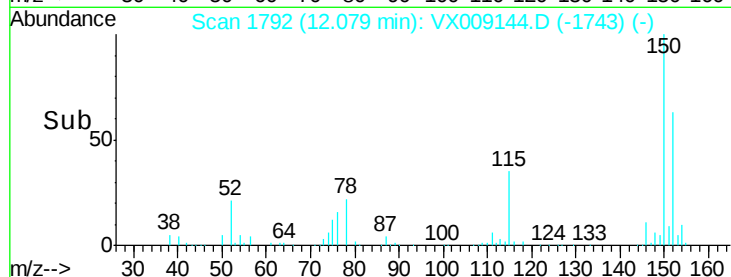
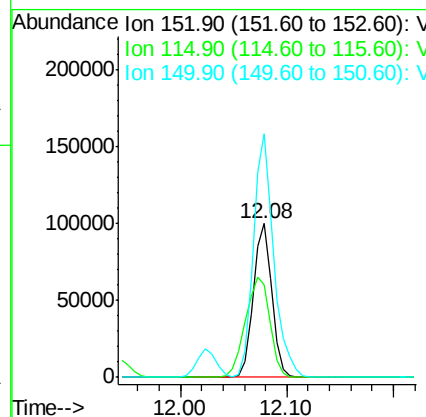
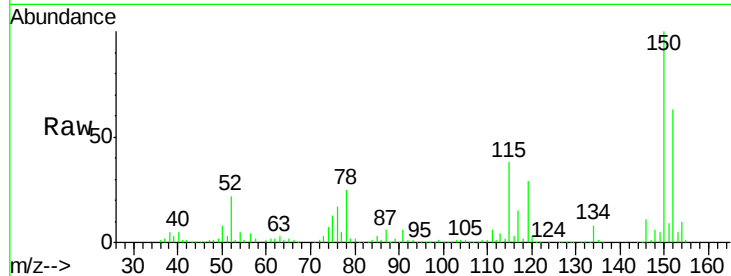
ClientSampleId :

S37-0016MSD

Tot Ion:	152	Resp:	121213
Ion Ratio	Lower	Upper	
152	100		
115	86.6	41.4	124.2
150	174.5	0.0	349.8

Manual Integrations
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4/25/2019 12:34:31 PM



#73

Isopropylbenzene

Concen: 57.447 ug/l

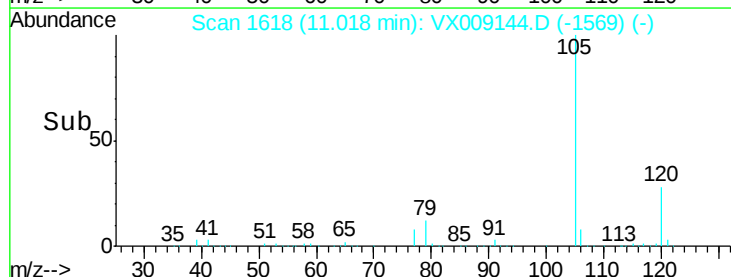
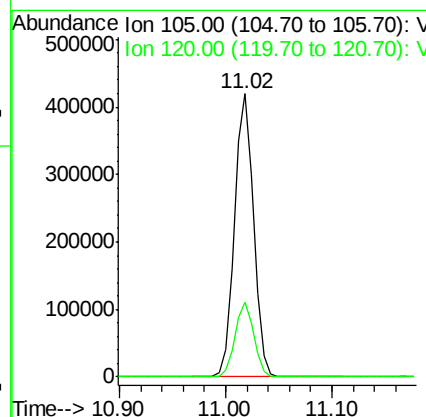
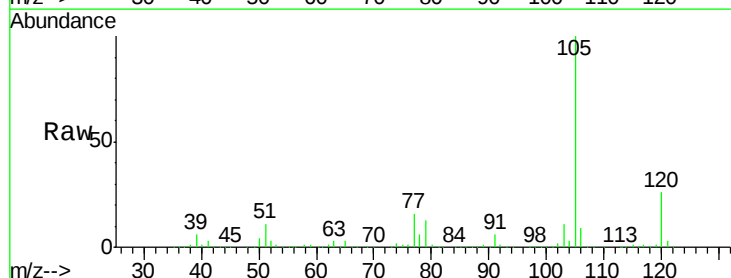
RT: 11.02 min Scan# 1618

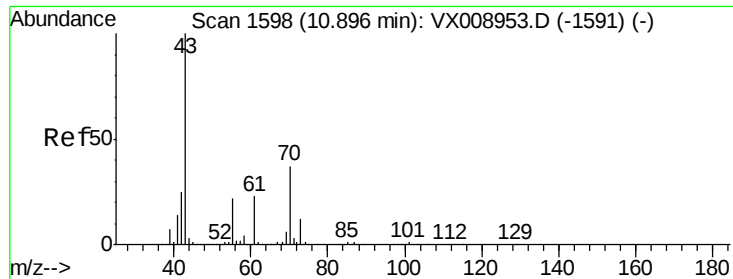
Delta R.T. -0.00 min

Lab File: VX009144.D

Acq: 24 Apr 2019 14:47

Tgt Ion:	105	Resp:	527812
Ion Ratio	Lower	Upper	
105	100		
120	26.0	12.9	38.7





#74

N-amvl acetate

Concen: 57.714 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX009144.D

Acq: 24 Apr 2019 14:47

Instrument :

MSVOA_X

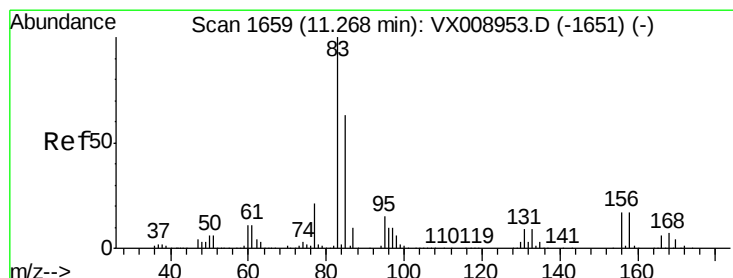
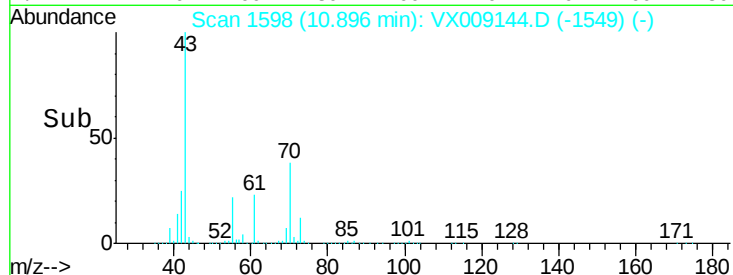
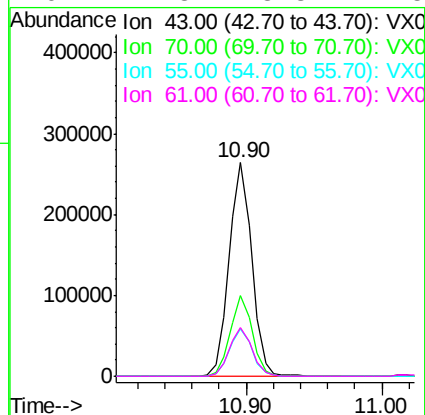
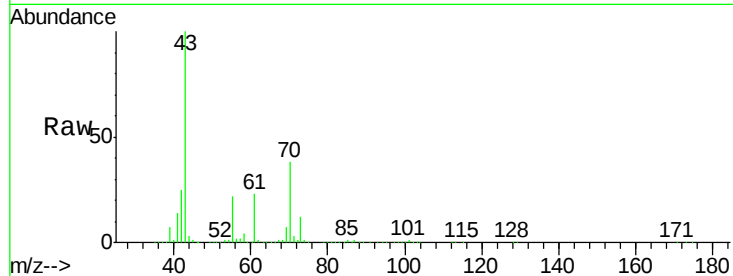
ClientSampleId :

S37-0016MSD

Tot Ion:	43	Resp:	304464
Ion	Ratio	Lower	Upper
43	100		
70	37.0	29.9	44.9
55	22.3	17.8	26.8
61	22.8	18.3	27.5

Manual Integrations
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#75

1,1,2,2-Tetrachloroethane

Concen: 58.148 ug/l

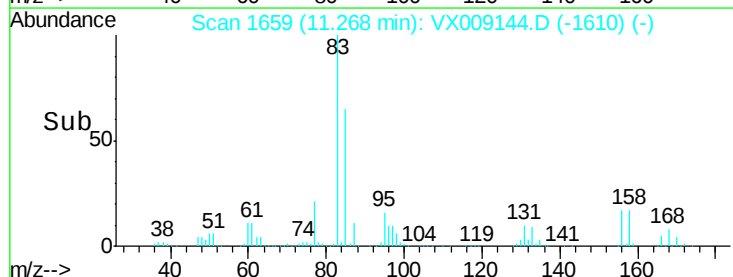
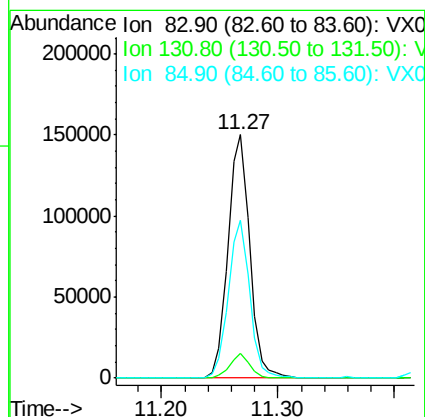
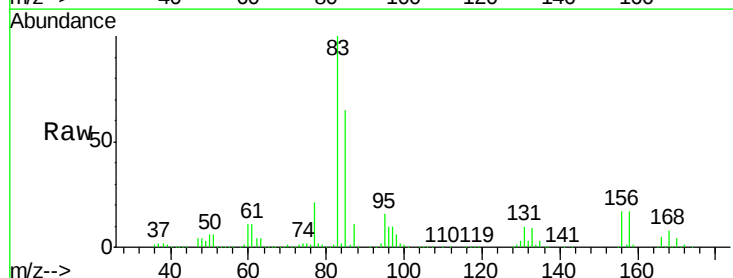
RT: 11.27 min Scan# 1659

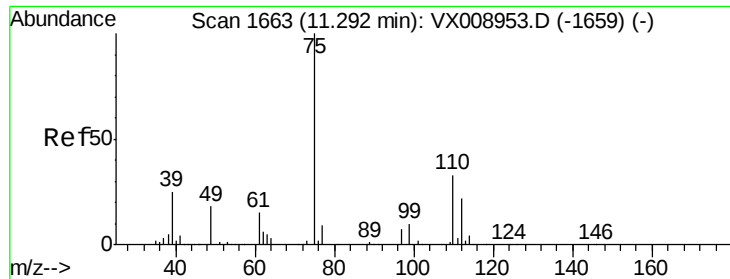
Delta R.T. -0.00 min

Lab File: VX009144.D

Acq: 24 Apr 2019 14:47

Tgt Ion:	83	Resp:	195205
Ion	Ratio	Lower	Upper
83	100		
131	9.2	4.7	14.0
85	63.8	31.9	95.9





#76

1,2,3-Trichloropropane

Concen: 57.179 ug/l m

RT: 11.29 min Scan# 1663

Delta R.T. -0.00 min

Lab File: VX009144.D

Acq: 24 Apr 2019 14:47

Instrument :

MSVOA_X

ClientSampleId :

S37-0016MSD

Tot Ion: 75 Resp: 169237

Ion Ratio Lower Upper

75 100

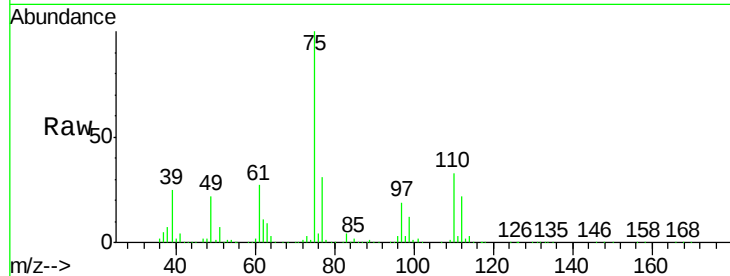
77 44.0 22.7 68.0

Manual Integrations

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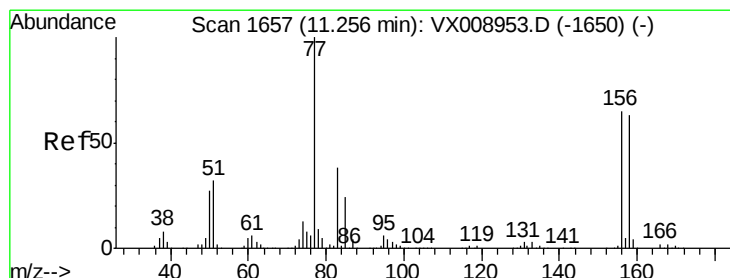
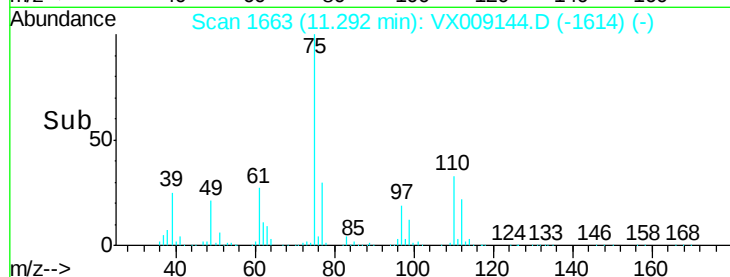
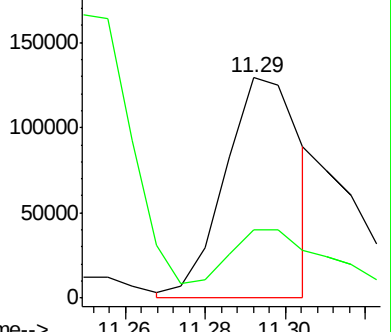
MMDadoda

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Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0



#77

Bromobenzene

Concen: 55.340 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX009144.D

Acq: 24 Apr 2019 14:47

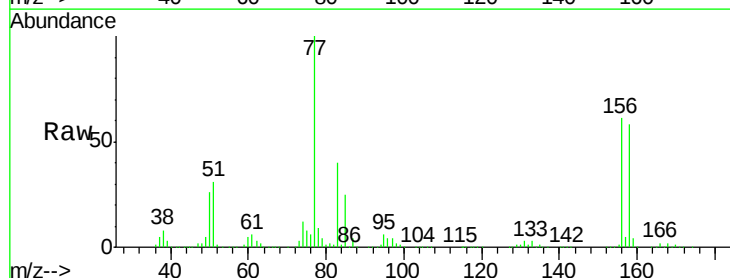
Tgt Ion: 156 Resp: 128287

Ion Ratio Lower Upper

156 100

77 172.5 85.4 256.1

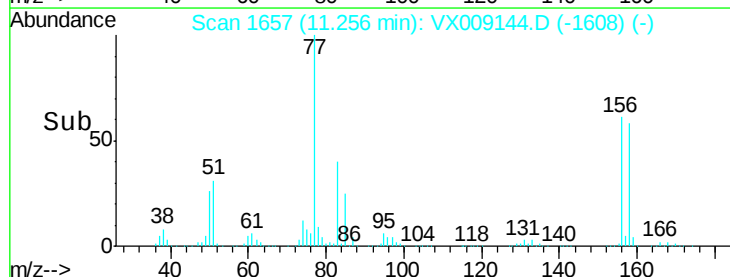
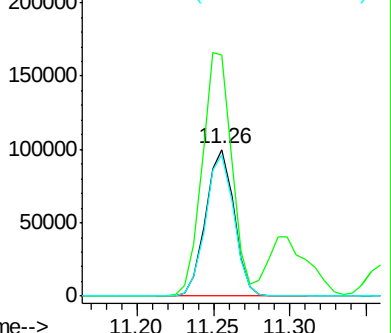
158 96.6 48.8 146.4

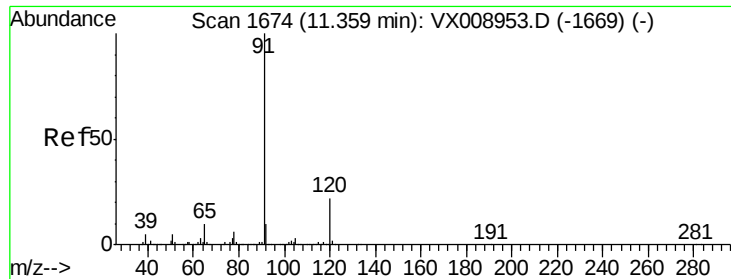


Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V





#78

n-propylbenzene

Concen: 58.394 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX009144.D

Acq: 24 Apr 2019 14:47

Instrument :

MSVOA_X

ClientSampleId :

S37-0016MSD

Tot Ion: 91 Resp: 615798

Ion Ratio Lower Upper

91 100

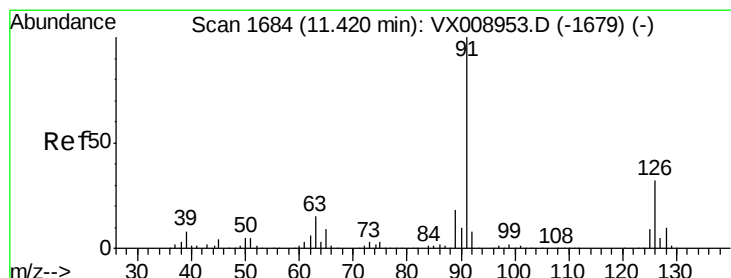
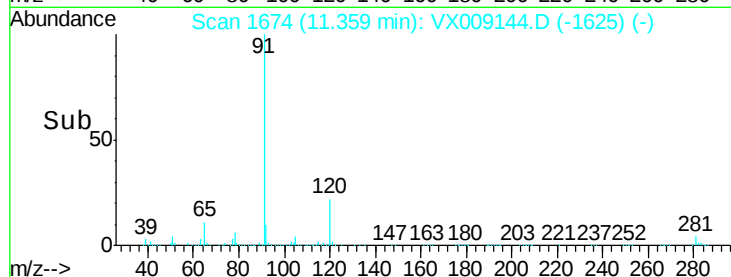
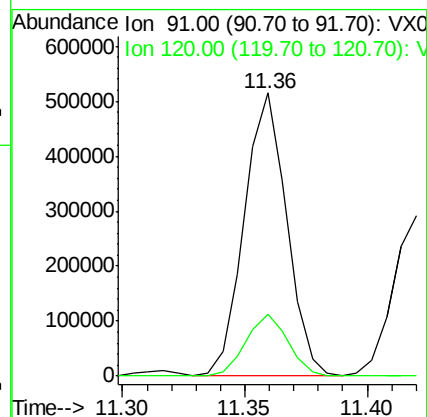
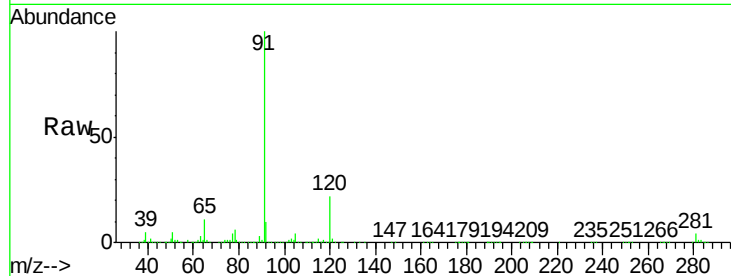
120 21.8 10.9 32.9

Manual Integrations

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#79

2-Chlorotoluene

Concen: 56.140 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX009144.D

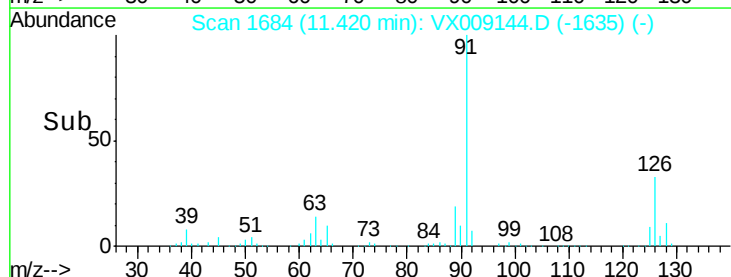
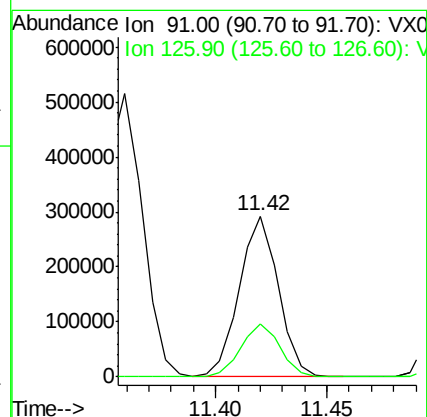
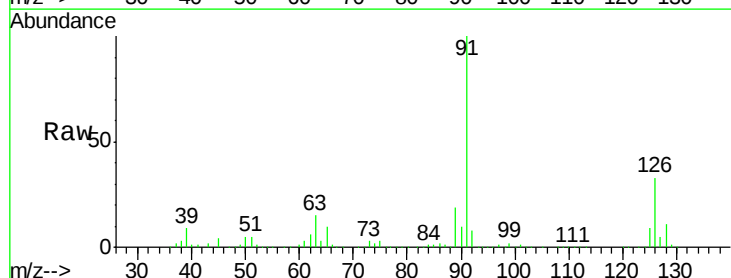
Acq: 24 Apr 2019 14:47

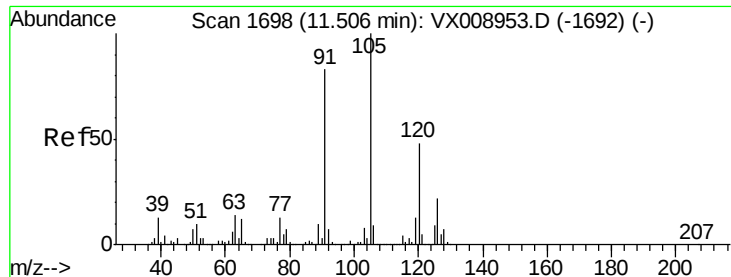
Tgt Ion: 91 Resp: 356755

Ion Ratio Lower Upper

91 100

126 32.8 16.3 48.9





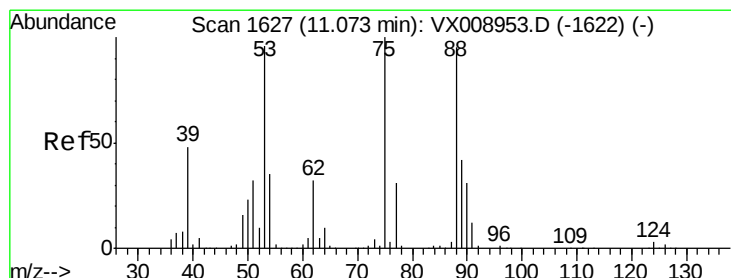
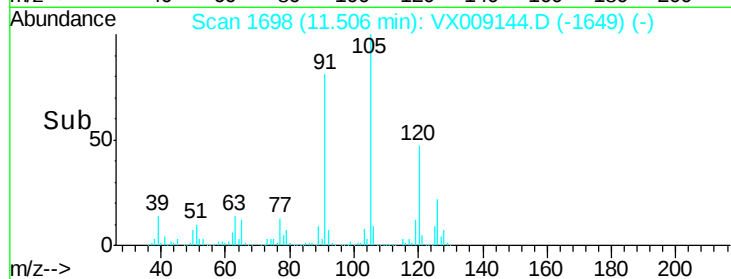
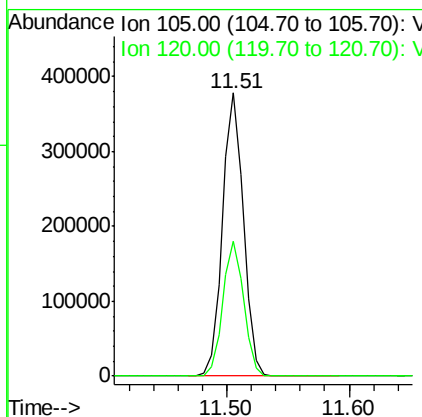
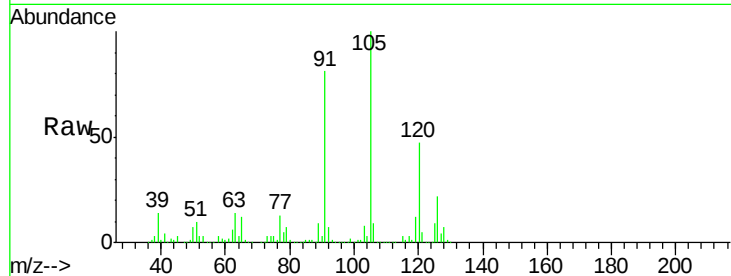
#80
 1,3,5-Trimethylbenzene
 Concen: 58.066 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VX009144.D
 Acq: 24 Apr 2019 14:47

Instrument :
 MSVOA_X
 ClientSampleId :
 S37-0016MSD

Tot Ion:105 Resp: 447687
 Ion Ratio Lower Upper
 105 100
 120 47.5 24.1 72.3

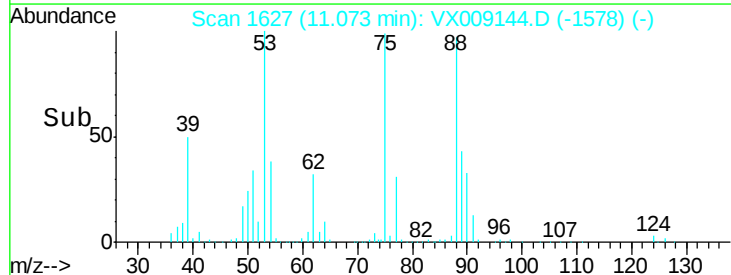
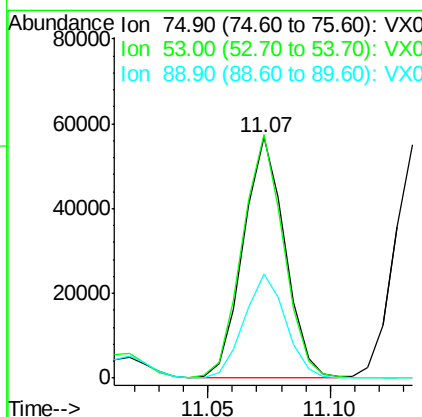
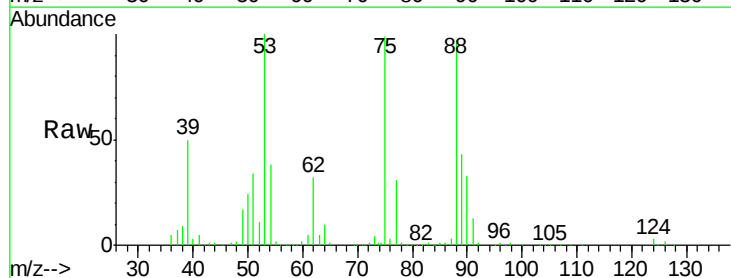
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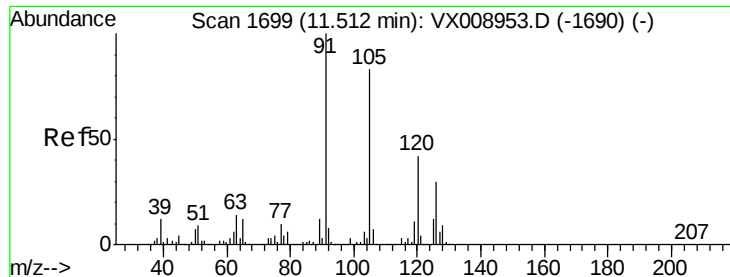
MMDadoda
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#81
 trans-1,4-Dichloro-2-butene
 Concen: 58.184 ug/l
 RT: 11.07 min Scan# 1627
 Delta R.T. -0.00 min
 Lab File: VX009144.D
 Acq: 24 Apr 2019 14:47

Tgt Ion: 75 Resp: 67080
 Ion Ratio Lower Upper
 75 100
 53 99.9 78.2 117.4
 89 43.6 36.0 54.0





#82

4-Chlorotoluene

Concen: 56.485 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. -0.00 min

Lab File: VX009144.D

Acq: 24 Apr 2019 14:47

Instrument :

MSVOA_X

ClientSampleId :

S37-0016MSD

Tot Ion: 91 Resp: 416877

Ion Ratio Lower Upper

91 100

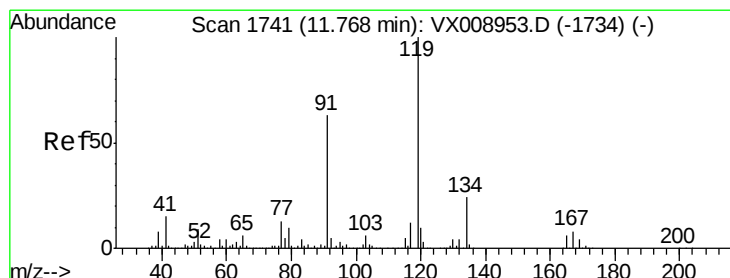
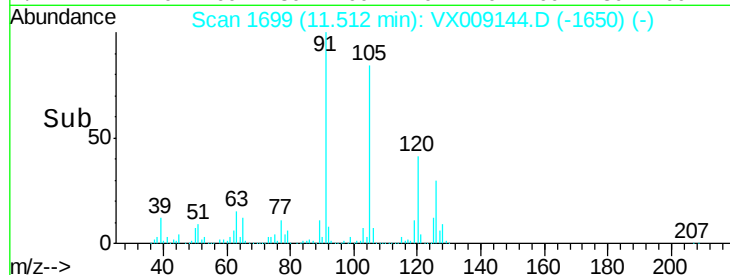
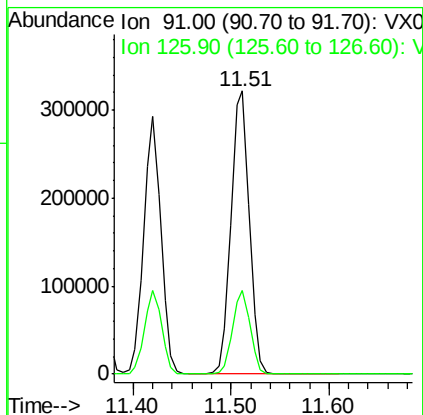
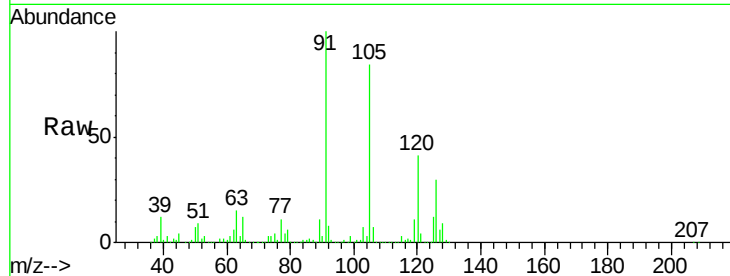
126 28.6 14.3 42.9

Manual Integrations

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#83

tert-Butylbenzene

Concen: 57.727 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VX009144.D

Acq: 24 Apr 2019 14:47

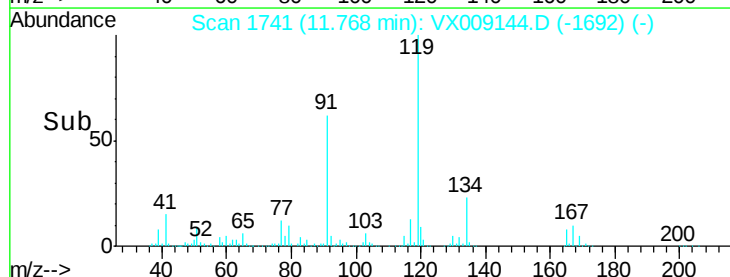
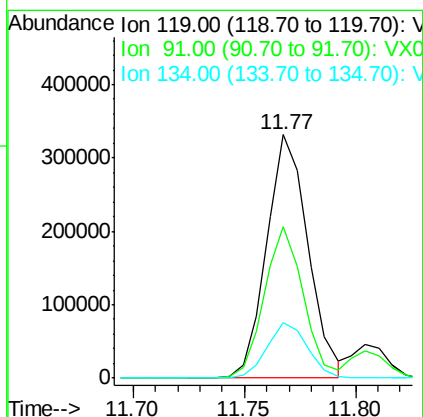
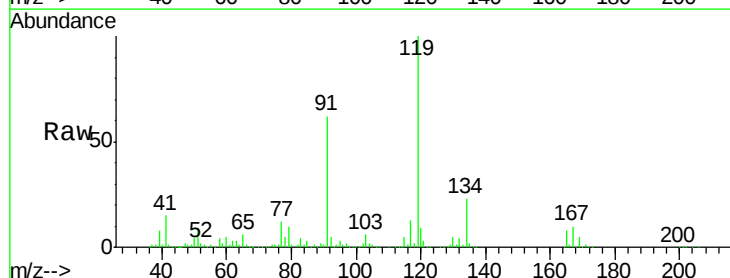
Tgt Ion: 119 Resp: 427313

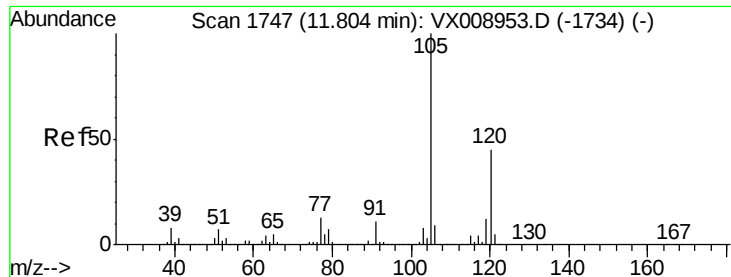
Ion Ratio Lower Upper

119 100

91 58.9 29.7 89.1

134 22.3 11.2 33.5





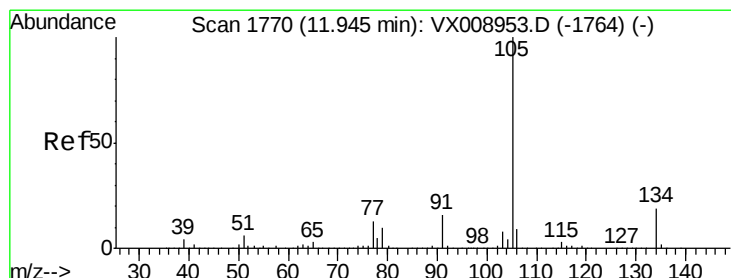
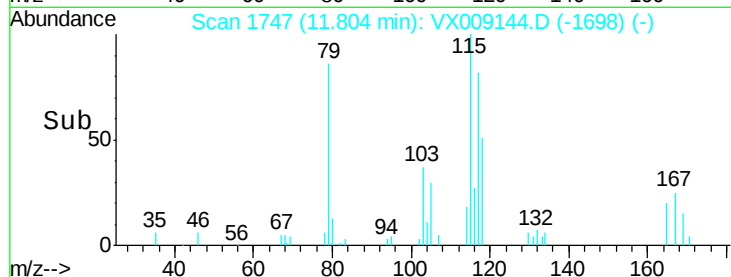
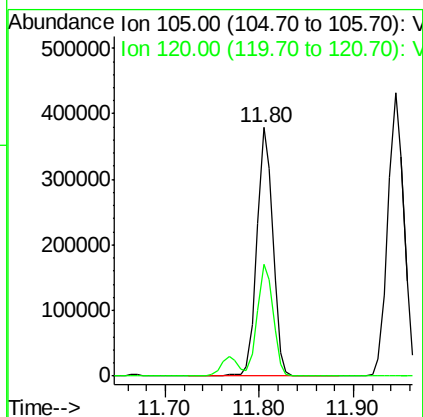
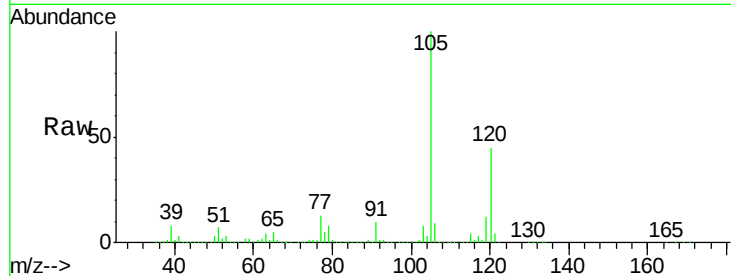
#84
1,2,4-Trimethylbenzene
Concen: 56.989 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VX009144.D
Acq: 24 Apr 2019 14:47

Instrument :
MSVOA_X
ClientSampleId :
S37-0016MSD

Tot Ion	Ratio	Lower	Upper
105	100		
120	44.2	21.9	65.8

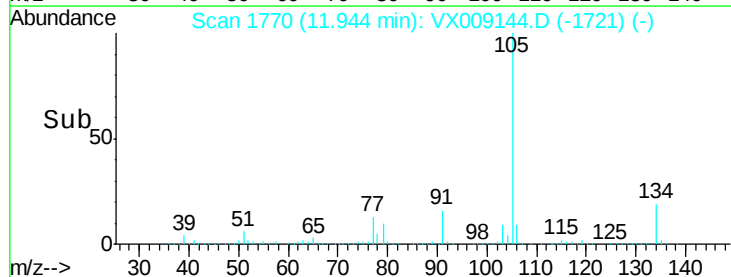
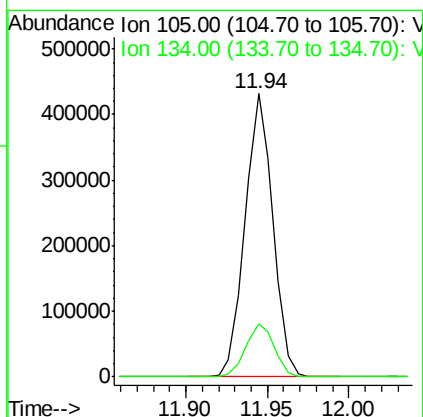
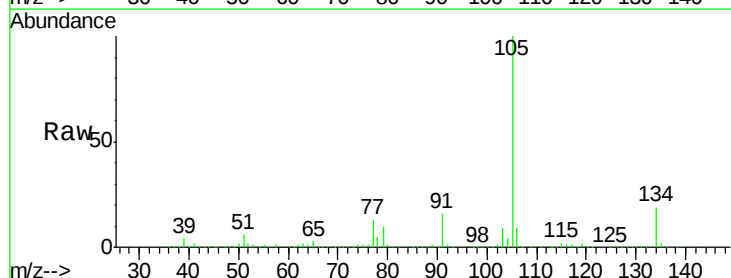
Manual Integrations
APPROVED

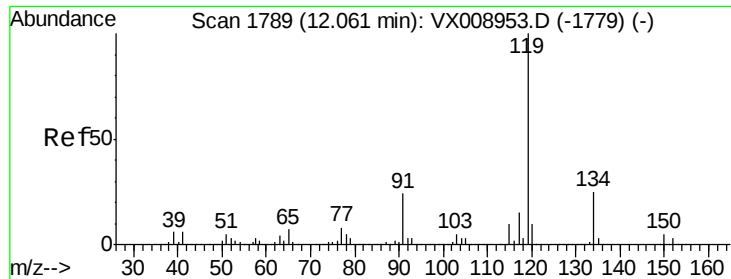
MMDadoda
4/25/2019 12:34:31 PM



#85
sec-Butylbenzene
Concen: 58.273 ug/l
RT: 11.94 min Scan# 1770
Delta R.T. -0.00 min
Lab File: VX009144.D
Acq: 24 Apr 2019 14:47

Tgt Ion	Ratio	Lower	Upper
105	100		
134	19.2	9.6	28.6





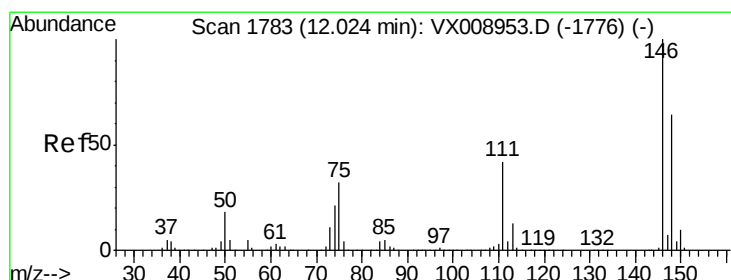
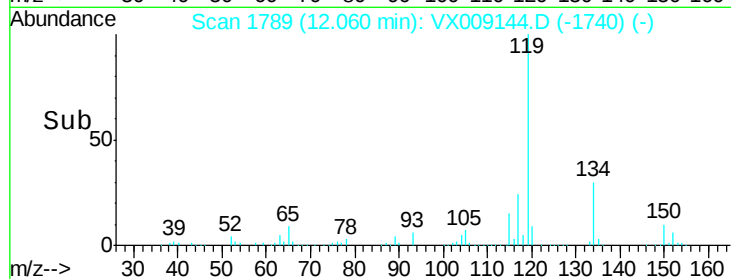
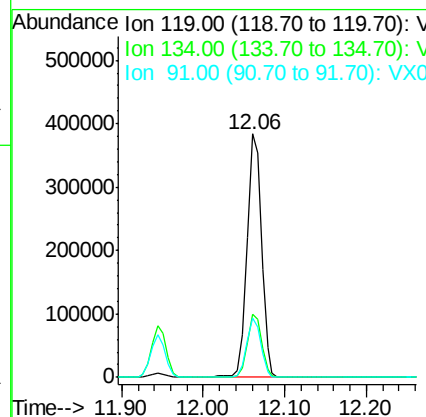
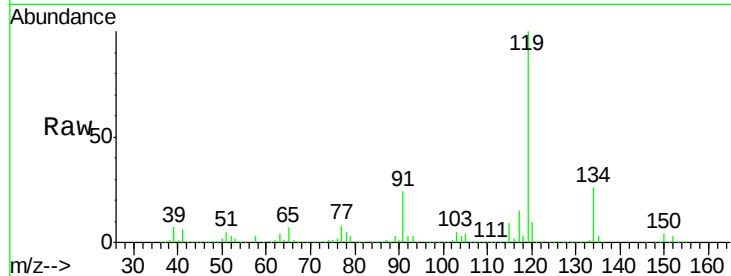
#86
 p-Isopropyltoluene
 Concen: 57.379 ug/l
 RT: 12.06 min Scan# 1789
 Delta R.T. -0.00 min
 Lab File: VX009144.D
 Acq: 24 Apr 2019 14:47

Instrument :
 MSVOA_X
 ClientSampleId :
 S37-0016MSD

Tot Ion	Ratio	Resp	Lower	Upper
119	100	465732		
134	25.7	12.9	38.6	
91	23.8	11.9	35.5	

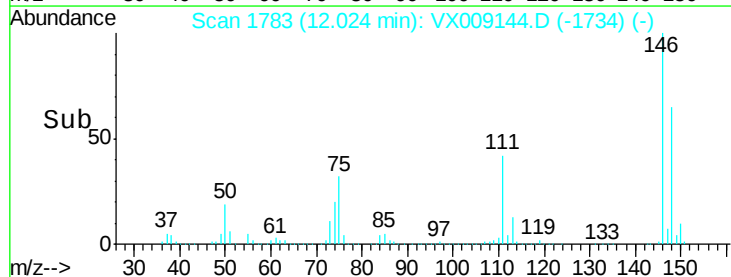
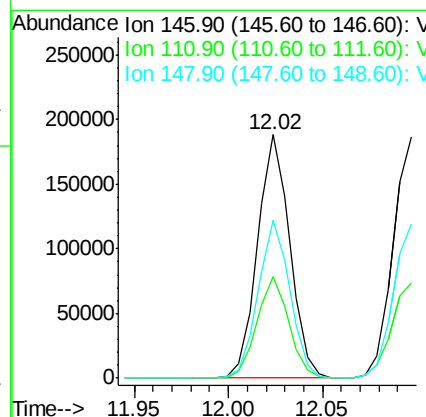
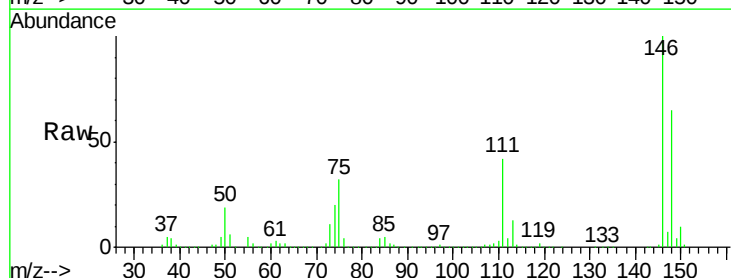
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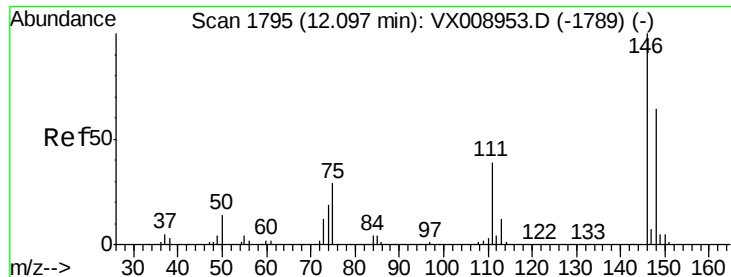
MMDadoda
 4/25/2019 12:34:31 PM



#87
 1,3-Dichlorobenzene
 Concen: 55.038 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX009144.D
 Acq: 24 Apr 2019 14:47

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	223305		
111	41.2	20.5	61.6	
148	63.9	32.2	96.6	





#88

1,4-Dichlorobenzene

Concen: 54.499 ug/l

RT: 12.10 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VX009144.D

Acq: 24 Apr 2019 14:47

Instrument :

MSVOA_X

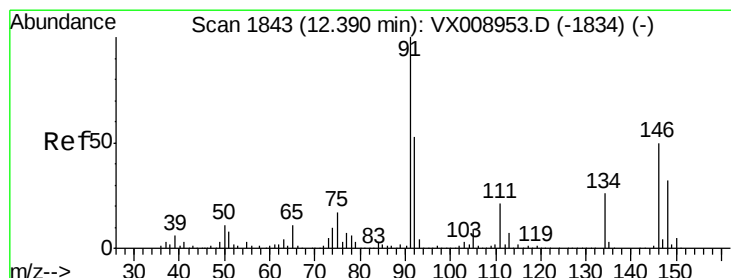
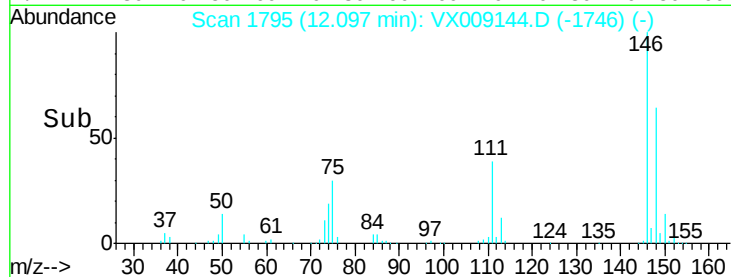
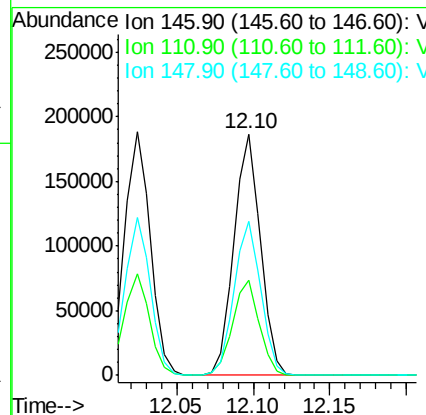
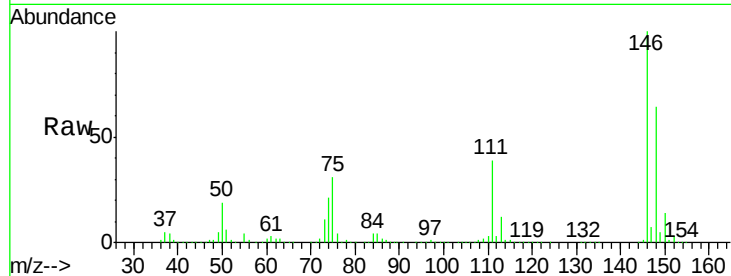
ClientSampleId :

S37-0016MSD

Tot Ion:	146	Resp:	224148
Ion Ratio		Lower	Upper
146	100		
111	39.9	20.0	59.9
148	64.2	32.2	96.6

Manual Integrations
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#89

n-Butylbenzene

Concen: 57.249 ug/l

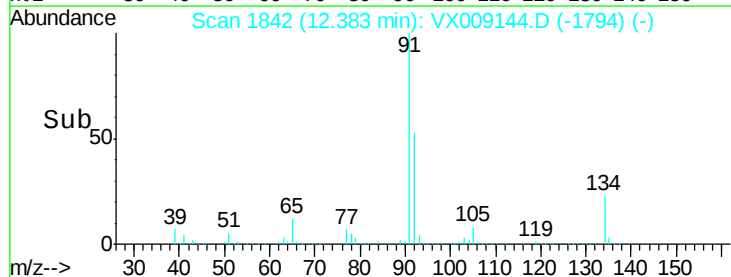
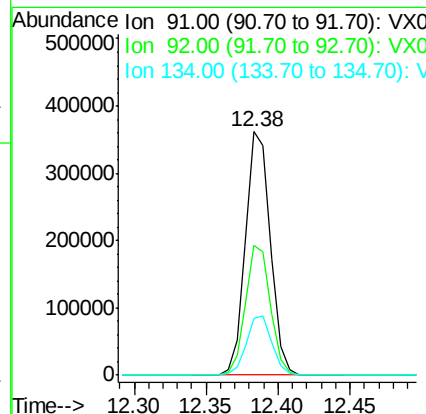
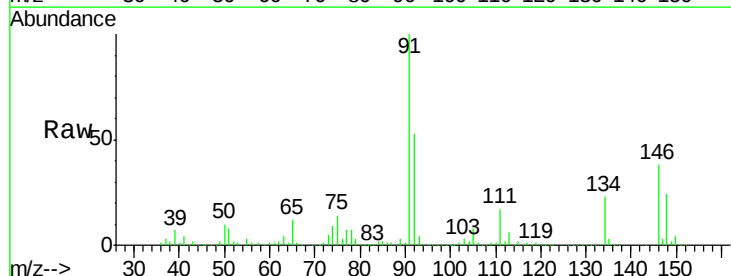
RT: 12.38 min Scan# 1842

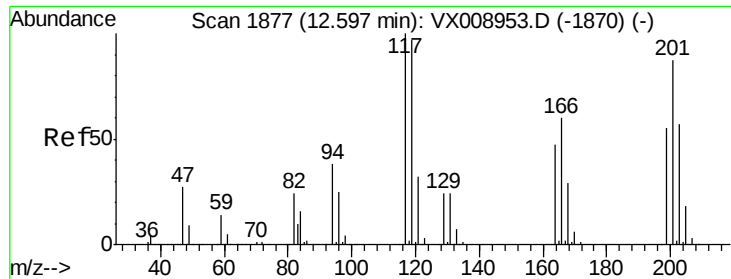
Delta R.T. -0.01 min

Lab File: VX009144.D

Acq: 24 Apr 2019 14:47

Tgt Ion:	91	Resp:	432753
Ion Ratio		Lower	Upper
91	100		
92	53.2	26.6	79.8
134	25.0	12.4	37.2





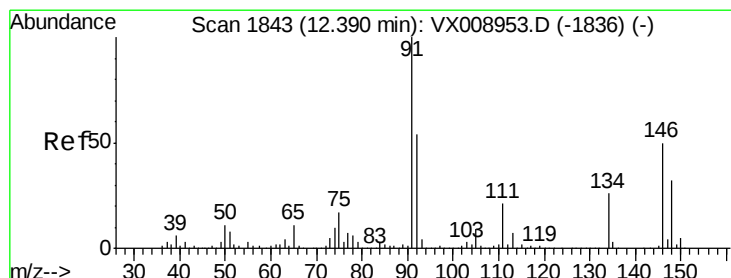
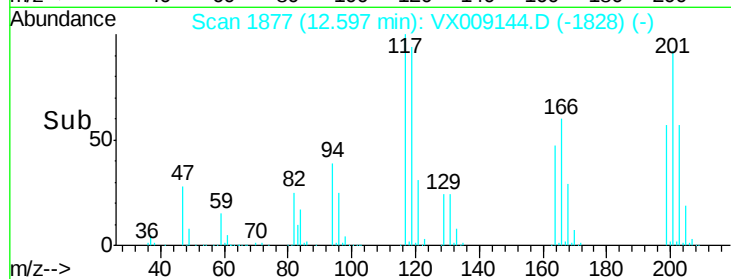
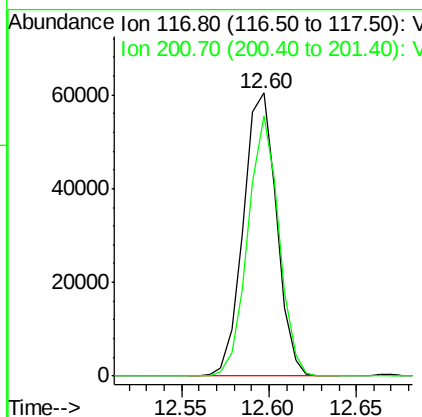
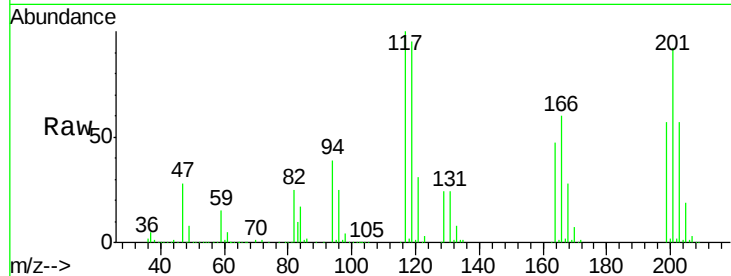
#90
Hexachloroethane
Concen: 59.486 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX009144.D
Acq: 24 Apr 2019 14:47

Instrument :
MSVOA_X
ClientSampleId :
S37-0016MSD

Tot Ion:117 Resp: 79645
Ion Ratio Lower Upper
117 100
201 85.7 43.0 129.0

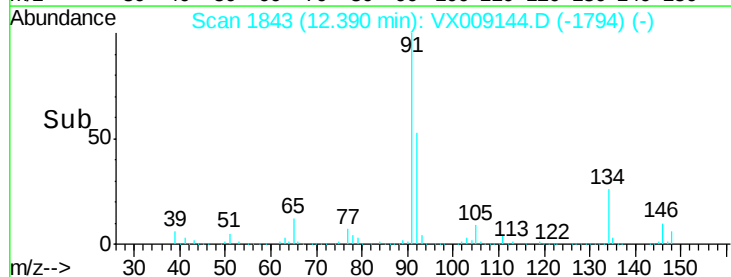
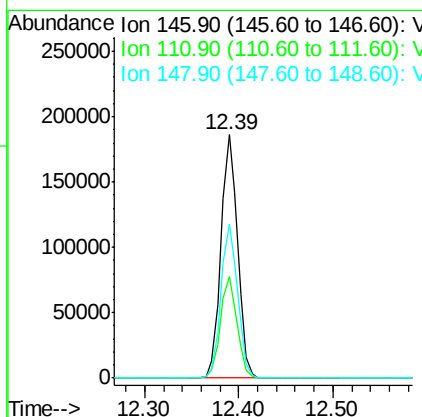
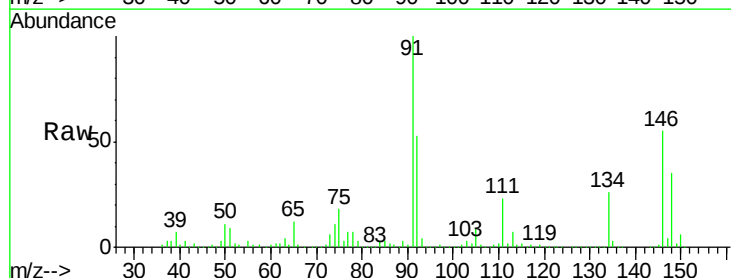
Manual Integrations
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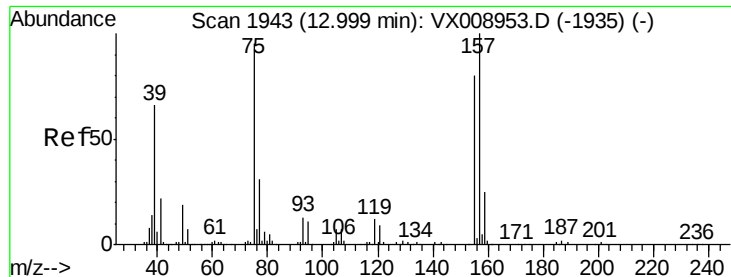
MMDadoda
4/25/2019 12:34:31 PM



#91
1,2-Dichlorobenzene
Concen: 56.743 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VX009144.D
Acq: 24 Apr 2019 14:47

Tgt Ion:146 Resp: 227339
Ion Ratio Lower Upper
146 100
111 41.5 20.6 61.9
148 63.6 32.0 96.2





#92

1,2-Dibromo-3-Chloropropane

Concen: 58.334 ug/l

RT: 13.00 min Scan# 1943

Delta R.T. -0.00 min

Lab File: VX009144.D

Acq: 24 Apr 2019 14:47

Instrument :

MSVOA_X

ClientSampleId :

S37-0016MSD

Tot Ion: 75 Resp: 44587

Ion Ratio Lower Upper

75 100

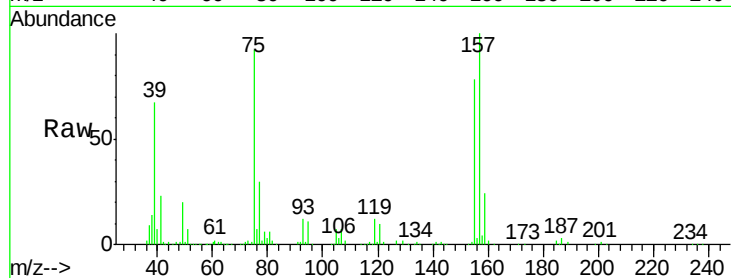
155 83.1 41.2 123.6

157 106.2 52.5 157.6

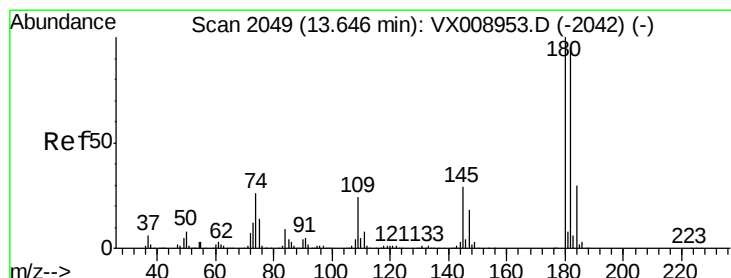
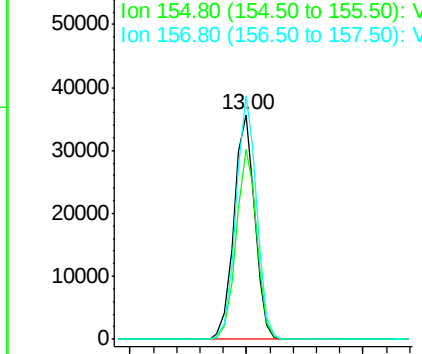
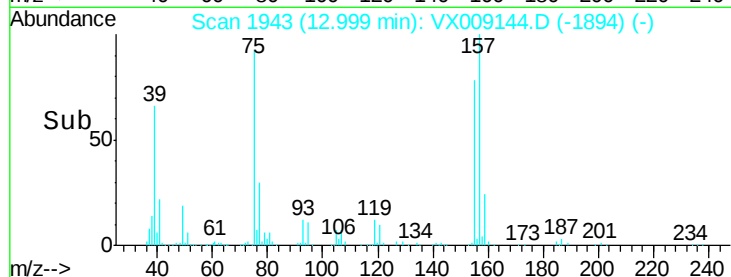
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Abundance Ion 74.90 (74.60 to 75.60): VX009144.D (-1894) (-)



#93

1,2,4-Trichlorobenzene

Concen: 55.931 ug/l

RT: 13.65 min Scan# 2049

Delta R.T. -0.00 min

Lab File: VX009144.D

Acq: 24 Apr 2019 14:47

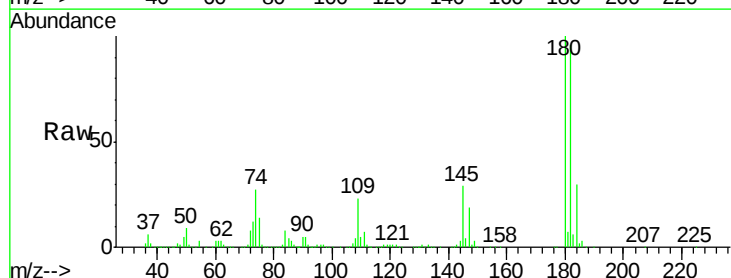
Tgt Ion: 180 Resp: 161759

Ion Ratio Lower Upper

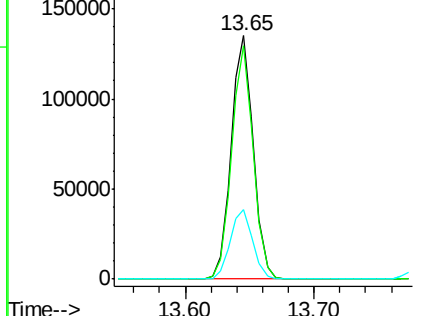
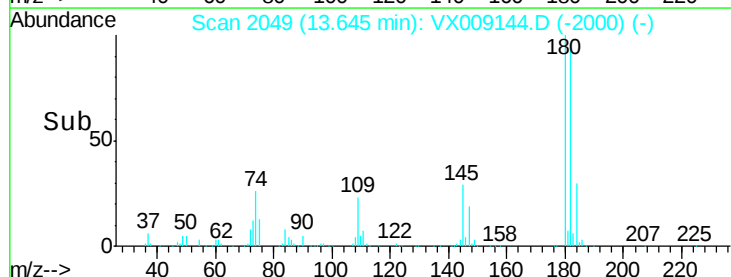
180 100

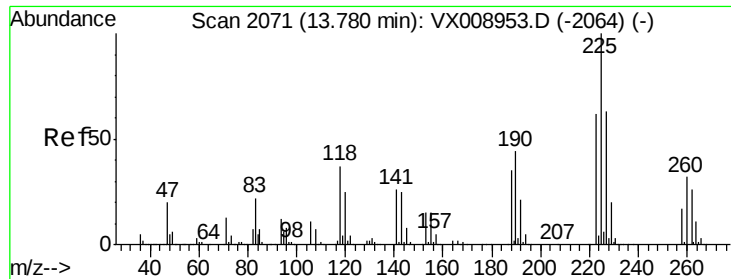
182 93.9 47.6 142.9

145 29.6 14.8 44.4



Abundance Ion 179.80 (179.50 to 180.50): VX009144.D (-2000) (-)





#94

Hexachlorobutadiene

Concen: 55.623 ug/l

RT: 13.78 min Scan# 2071

Delta R.T. -0.00 min

Lab File: VX009144.D

Acq: 24 Apr 2019 14:47

Instrument :

MSVOA_X

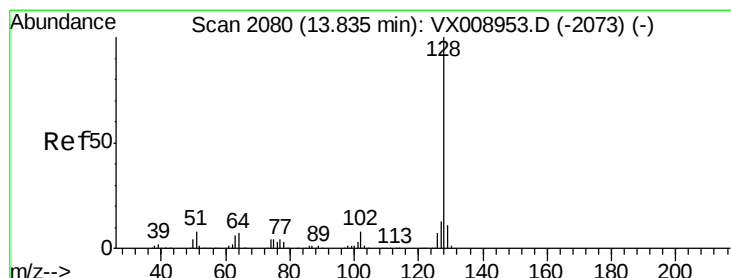
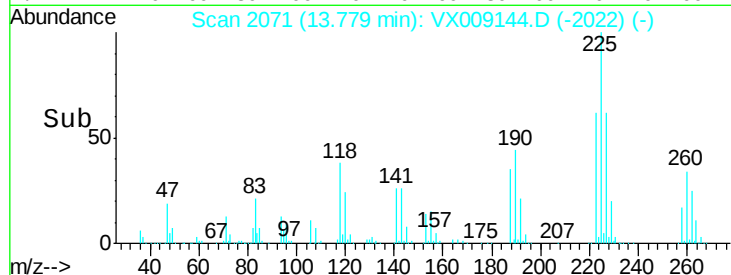
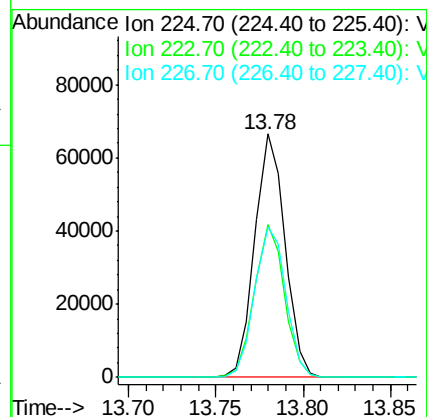
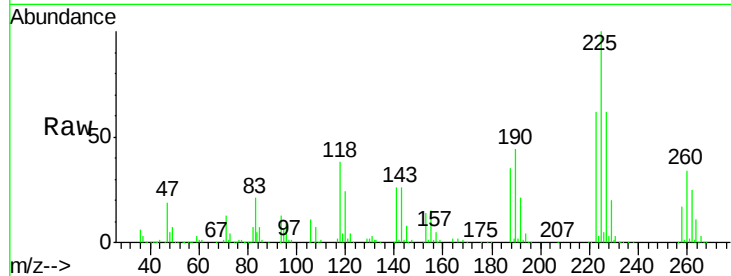
ClientSampleId :

S37-0016MSD

Tot Ion:	225	Resp:	80234
Ion Ratio		Lower	Upper
225	100		
223	62.2	31.1	93.2
227	63.5	32.0	96.2

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#95

Naphthalene

Concen: 58.205 ug/l

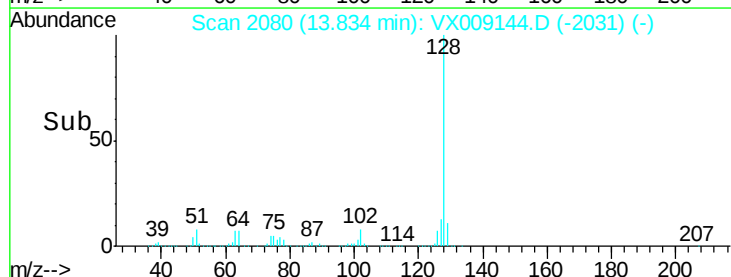
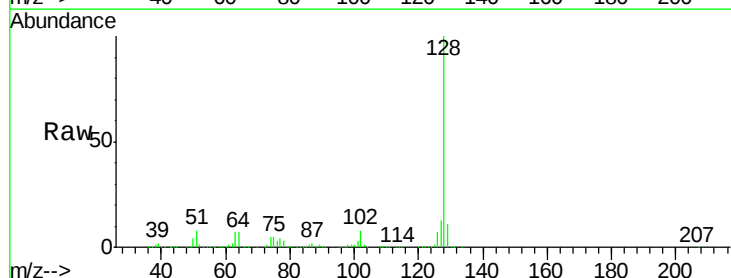
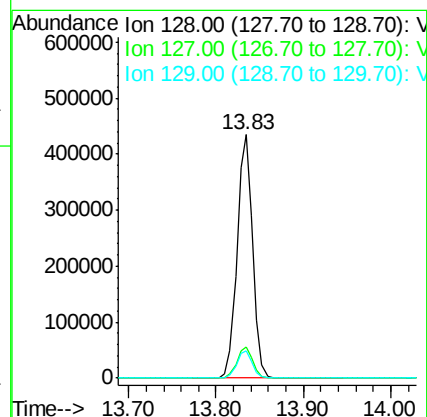
RT: 13.83 min Scan# 2080

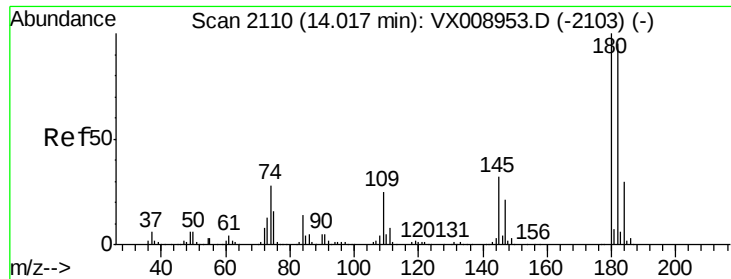
Delta R.T. -0.00 min

Lab File: VX009144.D

Acq: 24 Apr 2019 14:47

Tgt Ion:	128	Resp:	539317
Ion Ratio		Lower	Upper
128	100		
127	13.0	10.6	16.0
129	11.1	8.6	13.0





#96
 1,2,3-Trichlorobenzene
 Concen: 56.142 ug/l
 RT: 14.02 min Scan# 2110
 Delta R.T. -0.00 min
 Lab File: VX009144.D
 Acq: 24 Apr 2019 14:47

Instrument :
 MSVOA_X
 ClientSampleId :
 S37-0016MSD

Tot Ion	Ratio	Resp Lower	Resp Upper
180	100		
182	97.2	47.8	143.4
145	31.7	15.8	47.3

Manual Integrations
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