

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX040319\
 Data File : VX008621.D
 Acq On : 03 Apr 2019 18:30
 Operator : JC/SP
 Sample : VX0403WBSD01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0403WBSD01

Manual Integrations
 APPROVED

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 4/4/2019 3:37:22 PM

Quant Time: Apr 04 06:38:16 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X040319W.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 04 04:47:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	182919	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	311509	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	275131	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	124749	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	138839	52.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.08%	
35) Dibromofluoromethane	5.50	113	101270	50.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.70%	
50) Toluene-d8	8.71	98	408379	51.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.00%	
62) 4-Bromofluorobenzene	11.13	95	145878	51.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.74%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	39450	18.736	ug/l	100
3) Chloromethane	1.32	50	54601	20.151	ug/l	98
4) Vinyl Chloride	1.40	62	52034	18.281	ug/l	98
5) Bromomethane	1.64	94	25953	19.697	ug/l	99
6) Chloroethane	1.71	64	36029	21.449	ug/l	98
7) Trichlorofluoromethane	1.93	101	58057	18.452	ug/l	98
8) Diethyl Ether	2.19	74	28258	18.939	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.38	101	38120	18.818	ug/l	100
10) Methyl Iodide	2.51	142	29501	18.713	ug/l	100
11) Tert butyl alcohol	3.05	59	64144	102.695	ug/l	99
12) 1,1-Dichloroethene	2.37	96	38905	18.397	ug/l	98
13) Acrolein	2.29	56	27242	87.959	ug/l	100
14) Allyl chloride	2.73	41	89332	18.453	ug/l	99
15) Acrylonitrile	3.14	53	160301	96.877	ug/l	100
16) Acetone	2.45	43	147194	95.787	ug/l	100
17) Carbon Disulfide	2.57	76	114433	18.270	ug/l	100
18) Methyl Acetate	2.78	43	69451	18.635	ug/l	100
19) Methyl tert-butyl Ether	3.20	73	143926	19.058	ug/l	98
20) Methylene Chloride	2.85	84	47723	18.553	ug/l	99
21) trans-1,2-Dichloroethene	3.17	96	41933	18.332	ug/l	93
22) Diisopropyl ether	3.85	45	177831	19.059	ug/l	90
23) Vinyl Acetate	3.81	43	788520	97.143	ug/l	98
24) 1,1-Dichloroethane	3.70	63	86415	18.706	ug/l	100
25) 2-Butanone	4.67	43	239003	98.405	ug/l	100
26) 2,2-Dichloropropane	4.58	77	59050	18.148	ug/l	99
27) cis-1,2-Dichloroethene	4.59	96	48202	18.329	ug/l	99
28) Bromochloromethane	5.01	49	44124	21.117	ug/l	100
29) Tetrahydrofuran	5.13	42	156707	97.211	ug/l	100
30) Chloroform	5.21	83	77739	18.840	ug/l	99
31) Cyclohexane	5.58	56	84248	18.276	ug/l	96
32) 1,1,1-Trichloroethane	5.49	97	62341	18.696	ug/l	99
36) 1,1-Dichloropropene	5.80	75	59443	17.457	ug/l	100
37) Ethyl Acetate	4.84	43	87506	19.253	ug/l	99
38) Carbon Tetrachloride	5.78	117	51314	18.208	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	74591	17.733	ug/l	99
40) Benzene	6.14	78	187543	18.488	ug/l	99
41) Methacrylonitrile	5.04	41	48903	18.718	ug/l	100
42) 1,2-Dichloroethane	6.19	62	67484	18.556	ug/l	100
43) Isopropyl Acetate	6.45	43	134269	18.858	ug/l	100
44) Trichloroethene	7.21	130	42484	17.981	ug/l	94
45) 1,2-Dichloropropane	7.51	63	52735	18.213	ug/l	98
46) Dibromomethane	7.66	93	30159	17.959	ug/l	99
47) Bromodichloromethane	7.90	83	57793	18.253	ug/l	99
48) Methyl methacrylate	7.77	41	67572	18.762	ug/l	99
49) 1,4-Dioxane	7.74	88	26964	399.654	ug/l	96
51) 4-Methyl-2-Pentanone	8.64	43	451933	98.603	ug/l	99
52) Toluene	8.79	92	111284	18.608	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	64398	18.157	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	73812	18.213	ug/l	99
55) 1,1,2-Trichloroethane	9.21	97	45323	18.880	ug/l	99
56) Ethyl methacrylate	9.18	69	82674	19.034	ug/l	100
57) 1,3-Dichloropropane	9.37	76	81434	18.891	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	232615	104.882	ug/l	100
59) 2-Hexanone	9.49	43	352474	98.956	ug/l	100
60) Dibromochloromethane	9.58	129	41835	18.493	ug/l	99
61) 1,2-Dibromoethane	9.67	107	46610	18.650	ug/l	99
64) Tetrachloroethene	9.34	164	36579	17.945	ug/l	95
65) Chlorobenzene	10.14	112	111534	18.288	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.22	131	38919	18.190	ug/l	98
67) Ethyl Benzene	10.25	91	211071	18.560	ug/l	100
68) m/p-Xylenes	10.36	106	152253	37.235	ug/l	100
69) o-Xylene	10.70	106	74033	18.683	ug/l	99
70) Styrene	10.71	104	128215	18.771	ug/l	99
71) Bromoform	10.85	173	29896	18.295	ug/l #	100
73) Isopropylbenzene	11.02	105	199593	19.306	ug/l	100
74) N-amyl acetate	10.90	43	118745	19.522	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	76586	19.478	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	65302m	19.055	ug/l	
77) Bromobenzene	11.26	156	47363	19.057	ug/l	99
78) n-propylbenzene	11.36	91	227928	18.935	ug/l	100
79) 2-Chlorotoluene	11.42	91	136277	18.707	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	164457	18.951	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.07	75	23042	18.534	ug/l	93
82) 4-Chlorotoluene	11.51	91	157807	18.715	ug/l	100
83) tert-Butylbenzene	11.77	119	156773	18.777	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	166112	18.904	ug/l	100
85) sec-Butylbenzene	11.94	105	188270	18.984	ug/l	100
86) p-Isopropyltoluene	12.06	119	168145	18.890	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	80793	18.159	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	81331	18.052	ug/l	99
89) n-Butylbenzene	12.38	91	154850	18.550	ug/l	99
90) Hexachloroethane	12.59	117	27380	18.546	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	81946	18.550	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	16612	19.206	ug/l	98

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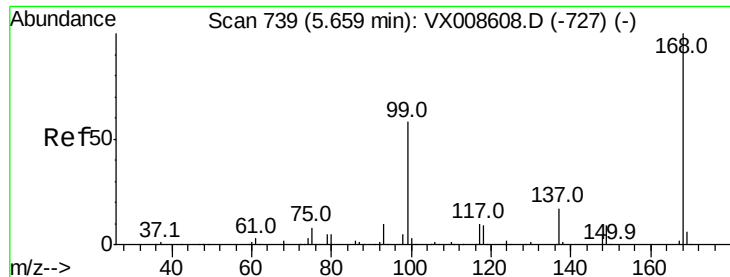
Manual Integrations
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Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	55193	17.969	ug/l	99
94) Hexachlorobutadiene	13.78	225	27945	18.971	ug/l	99
95) Naphthalene	13.83	128	195823	19.075	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	56744	18.490	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.00 min

Lab File: VX008621.D

Acq: 03 Apr 2019 18:30

Instrument :

MSVOA_X

ClientSampleId :

VX0403WBSD01

Tot Ion:168 Resp: 182919

Ion Ratio Lower Upper

168 100

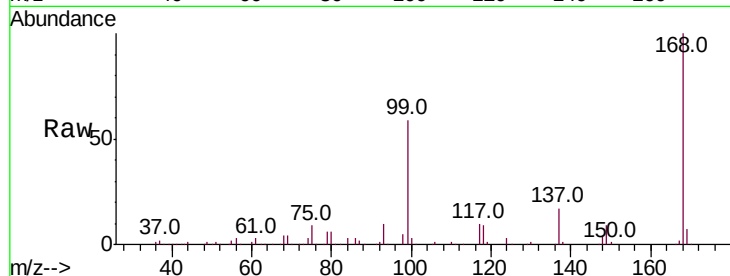
99 58.8 46.7 70.1

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

60000

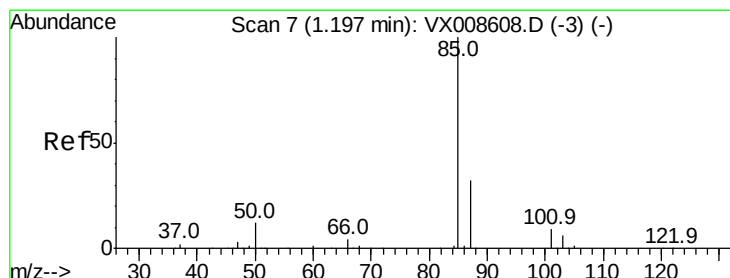
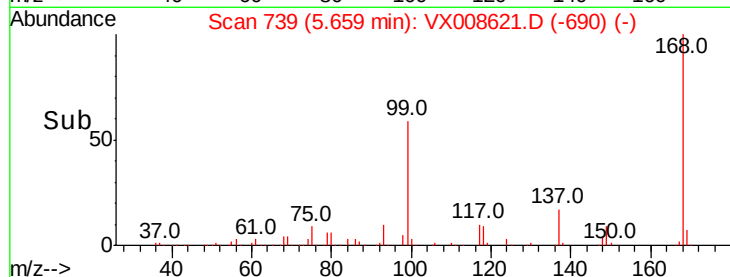
40000

20000

0

5.60 5.70 5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 18.736 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX008621.D

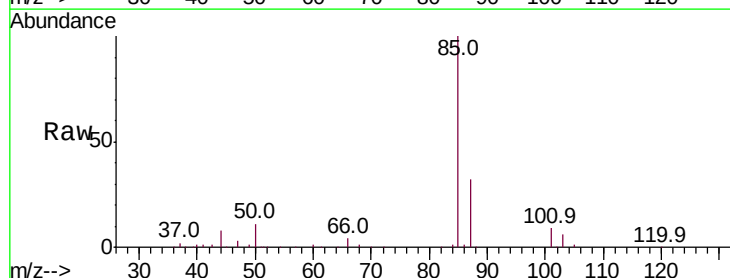
Acq: 03 Apr 2019 18:30

Tgt Ion: 85 Resp: 39450

Ion Ratio Lower Upper

85 100

87 31.7 15.8 47.3



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

40000

30000

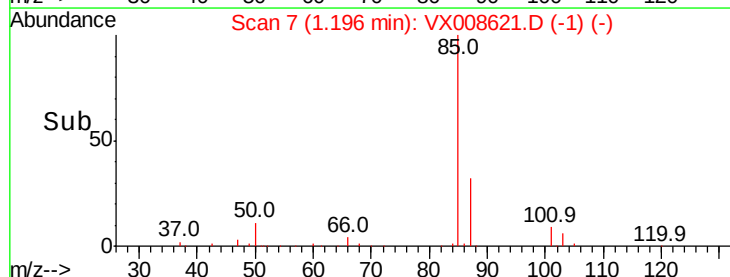
20000

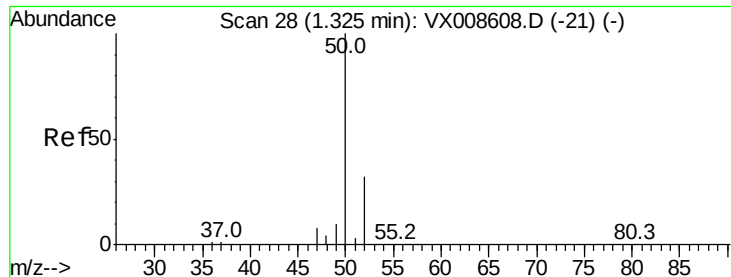
10000

0

1.15 1.20 1.25 1.30

Time-->





#3

Chloromethane

Concen: 20.151 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX008621.D

Acq: 03 Apr 2019 18:30

Instrument :

MSVOA_X

ClientSampleId :

VX0403WBSD01

Tot Ion: 50 Resp: 54601

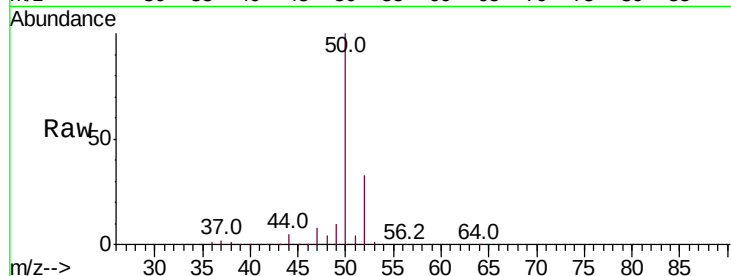
Ion Ratio Lower Upper

50 100

52 33.1 25.8 38.8

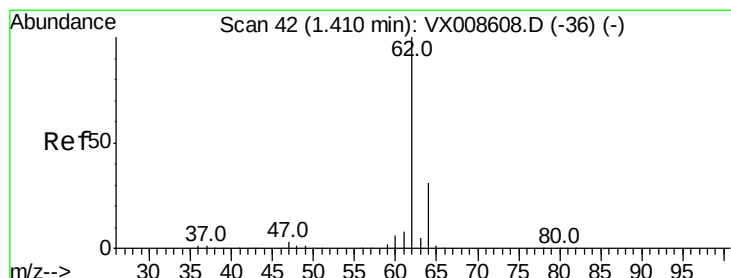
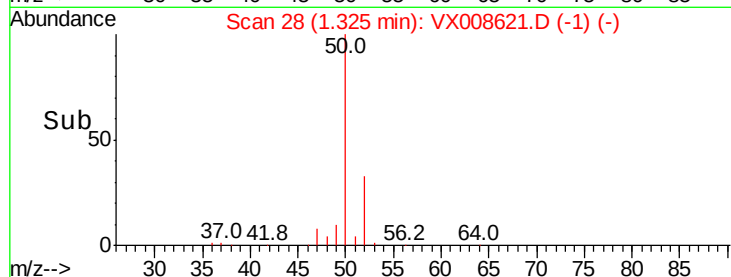
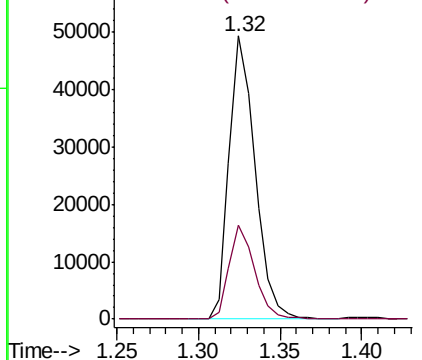
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 18.281 ug/l

RT: 1.40 min Scan# 41

Delta R.T. -0.01 min

Lab File: VX008621.D

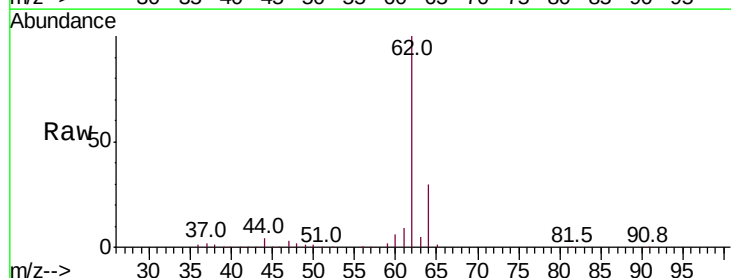
Acq: 03 Apr 2019 18:30

Tgt Ion: 62 Resp: 52034

Ion Ratio Lower Upper

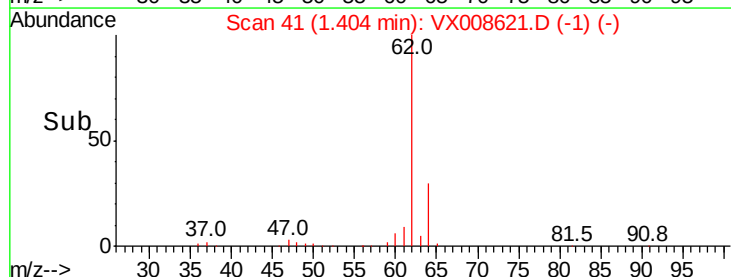
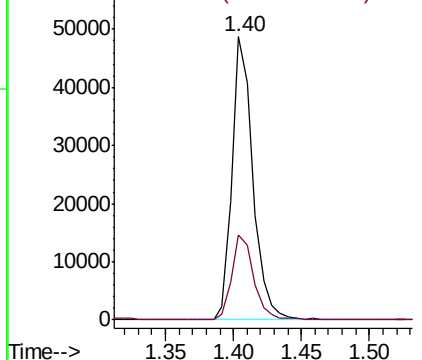
62 100

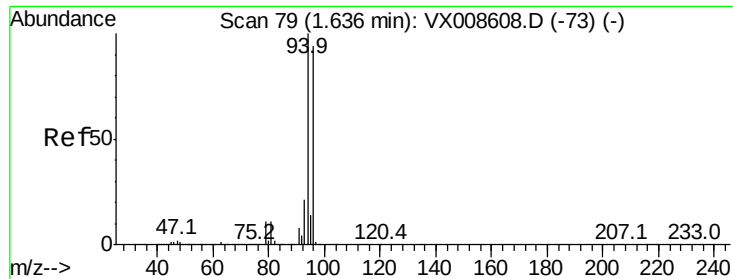
64 29.9 24.7 37.1



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 19.697 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX008621.D

Acq: 03 Apr 2019 18:30

Instrument :

MSVOA_X

ClientSampleId :

VX0403WBSD01

Tot Ion: 94 Resp: 25953

Ion Ratio Lower Upper

94 100

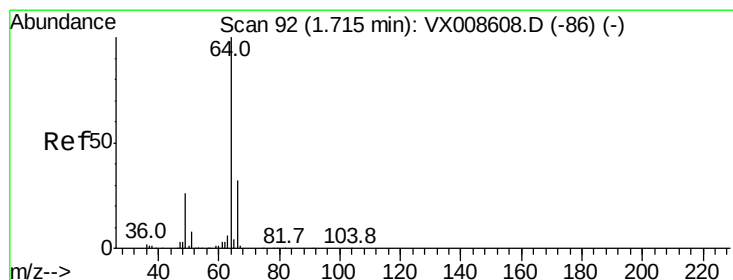
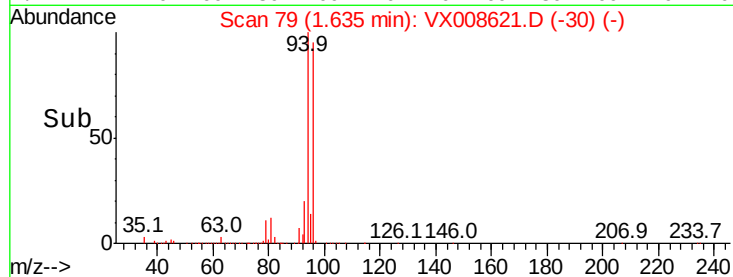
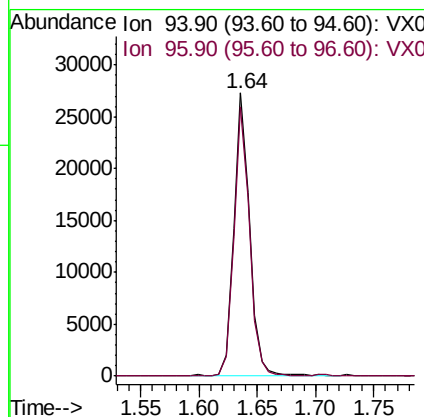
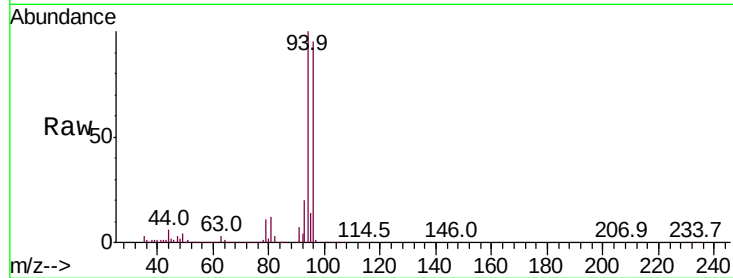
96 95.0 75.2 112.8

Manual Integrations

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#6

Chloroethane

Concen: 21.449 ug/l

RT: 1.71 min Scan# 92

Delta R.T. 0.00 min

Lab File: VX008621.D

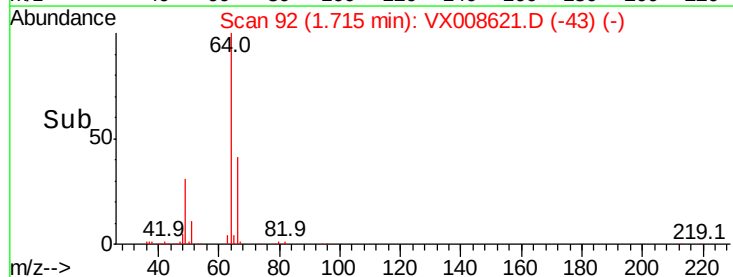
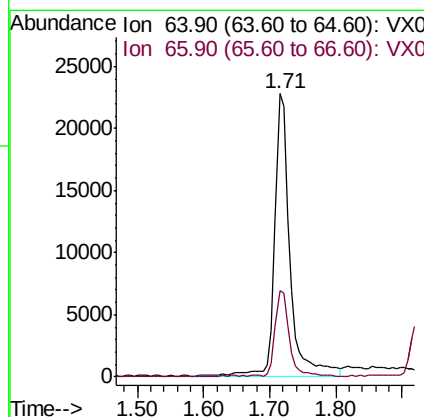
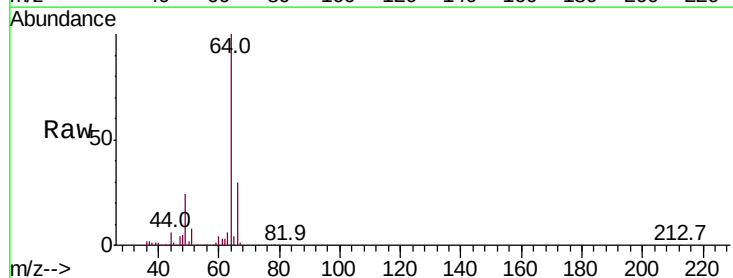
Acq: 03 Apr 2019 18:30

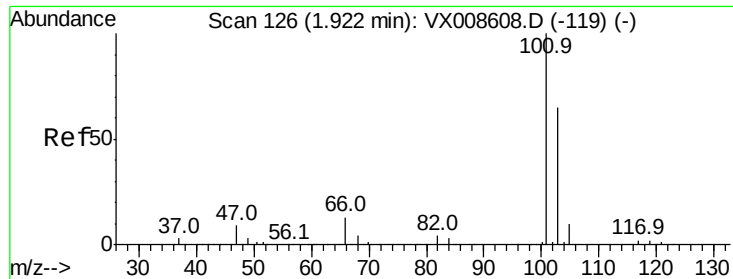
Tgt Ion: 64 Resp: 36029

Ion Ratio Lower Upper

64 100

66 30.4 25.4 38.0





#7

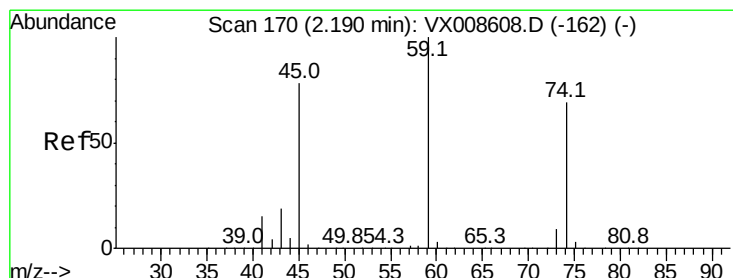
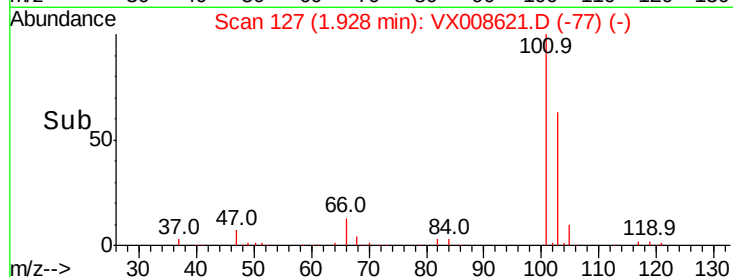
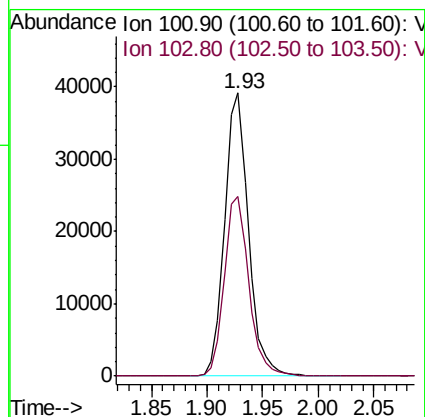
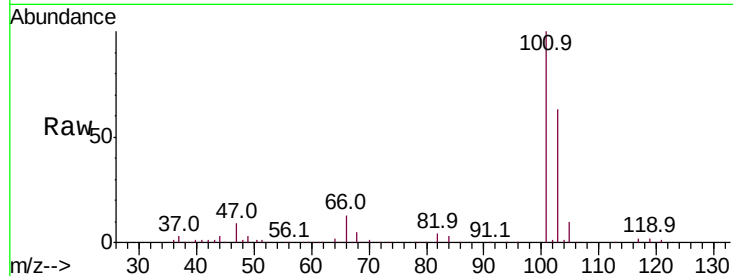
Trichlorofluoromethane
Concen: 18.452 ug/l
RT: 1.93 min Scan# 127
Delta R.T. 0.01 min
Lab File: VX008621.D
Acq: 03 Apr 2019 18:30

Instrument :
MSVOA_X
ClientSampleId :
VX0403WBSD01

Tot Ion:101 Resp: 58057
Ion Ratio Lower Upper
101 100
103 63.5 52.3 78.5

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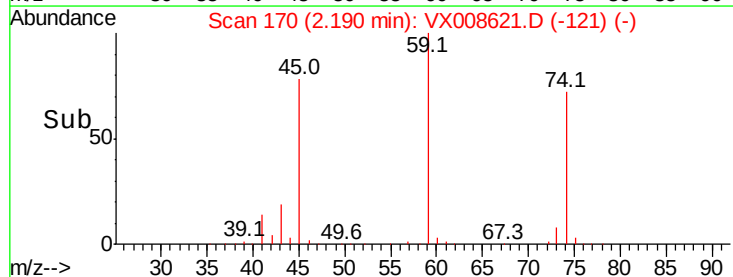
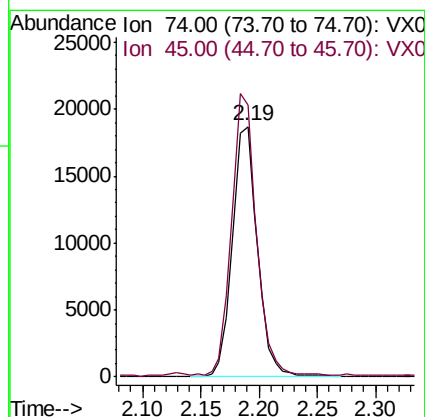
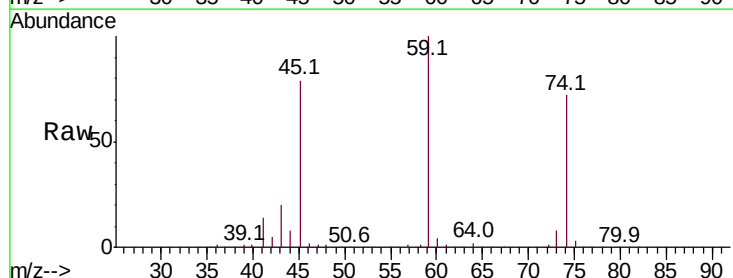
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4/4/2019 3:37:22 PM

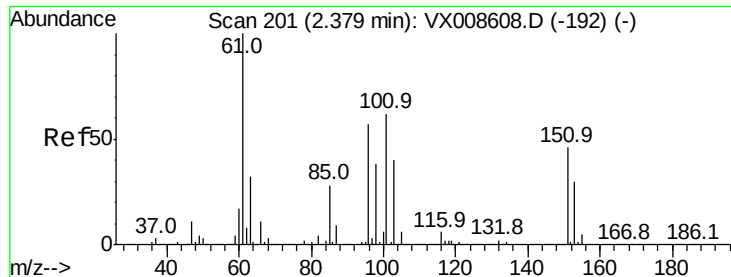


#8

Diethyl Ether
Concen: 18.939 ug/l
RT: 2.19 min Scan# 170
Delta R.T. -0.00 min
Lab File: VX008621.D
Acq: 03 Apr 2019 18:30

Tgt Ion: 74 Resp: 28258
Ion Ratio Lower Upper
74 100
45 111.0 56.5 169.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.818 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.00 min

Lab File: VX008621.D

Acq: 03 Apr 2019 18:30

Instrument :

MSVOA_X

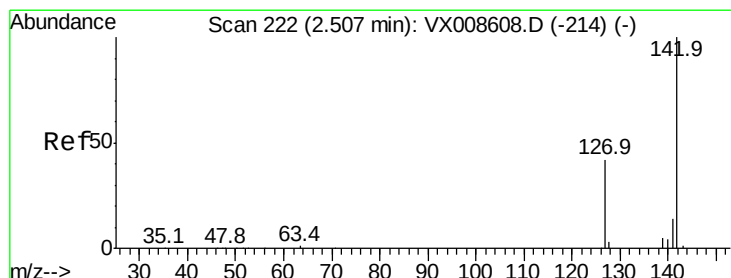
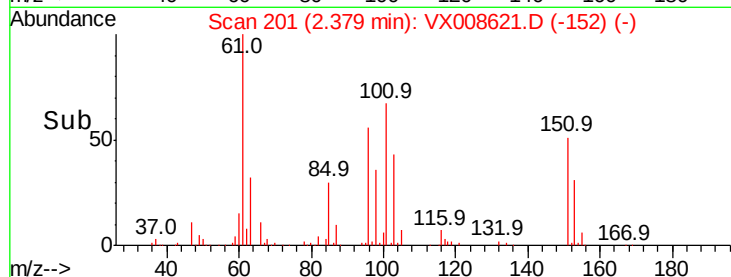
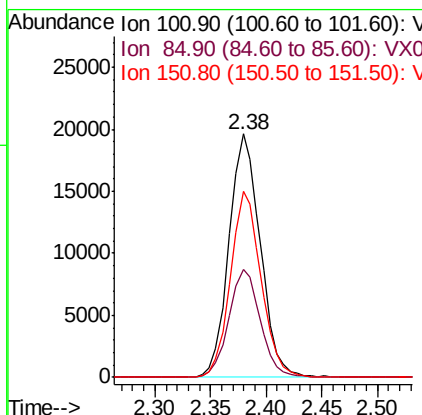
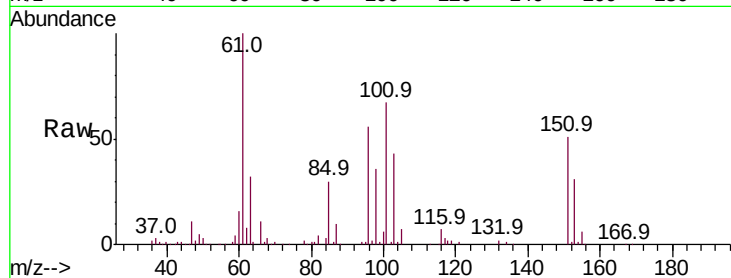
ClientSampled :

VX0403WBSD01

Tot Ion:	101	Resp:	38120
Ion Ratio	Lower	Upper	
101	100		
85	44.5	36.0	54.0
151	75.1	59.9	89.9

Manual Integrations
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#10

Methyl Iodide

Concen: 18.713 ug/l

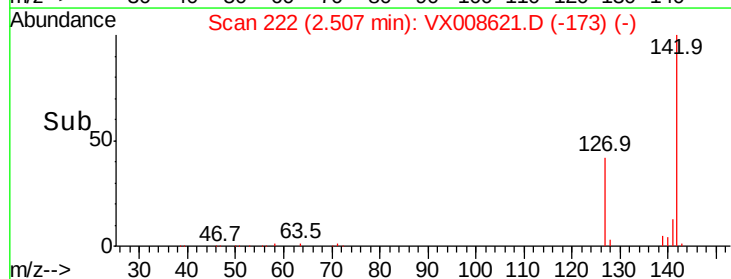
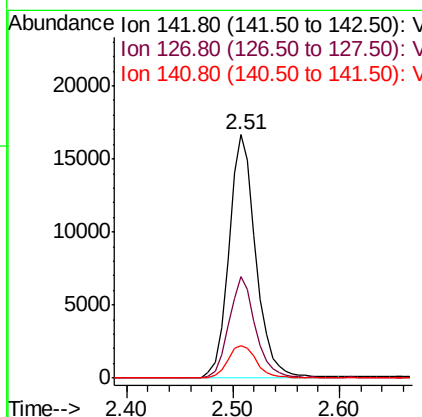
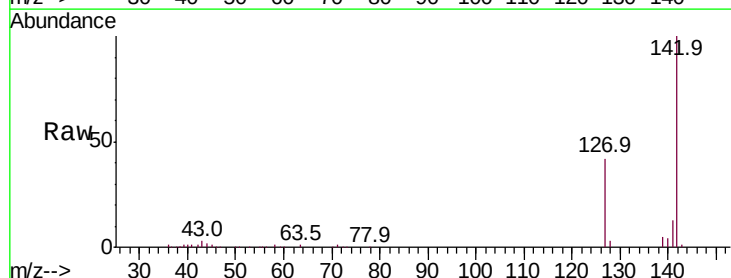
RT: 2.51 min Scan# 222

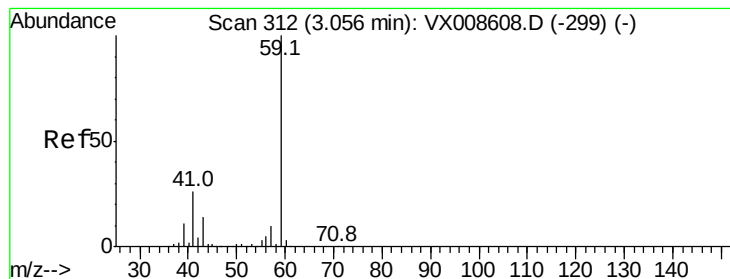
Delta R.T. 0.00 min

Lab File: VX008621.D

Acq: 03 Apr 2019 18:30

Tgt Ion:	142	Resp:	29501
Ion Ratio	Lower	Upper	
142	100		
127	41.2	33.0	49.6
141	14.5	11.4	17.2





#11

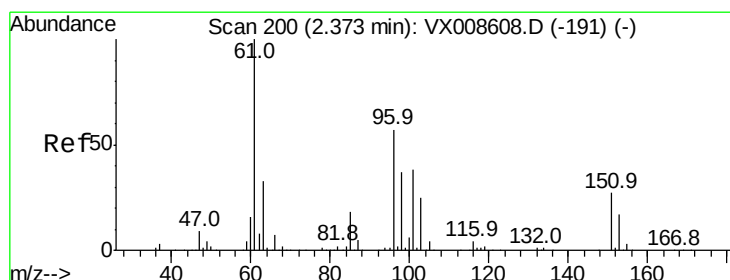
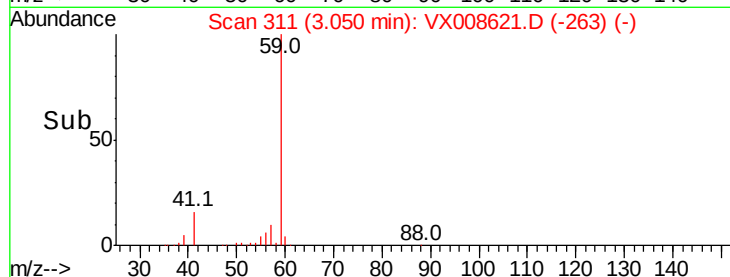
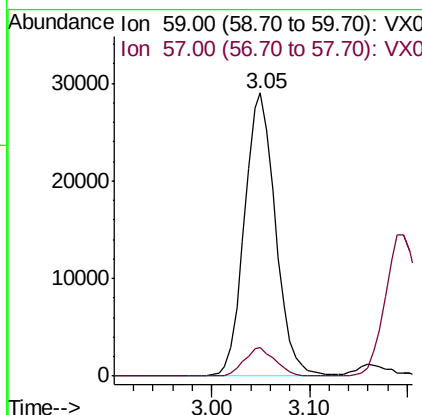
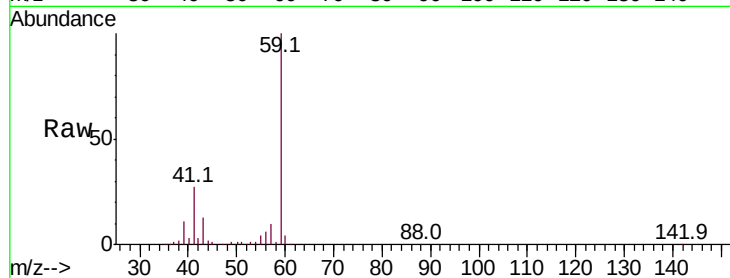
Tert butyl alcohol
 Concen: 102.695 ug/l
 RT: 3.05 min Scan# 311
 Delta R.T. -0.01 min
 Lab File: VX008621.D
 Acq: 03 Apr 2019 18:30

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0403WBSD01

Tot Ion: 59 Resp: 64144
 Ion Ratio Lower Upper
 59 100
 57 10.2 8.3 12.5

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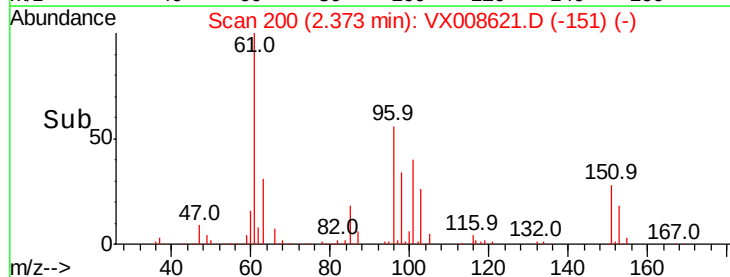
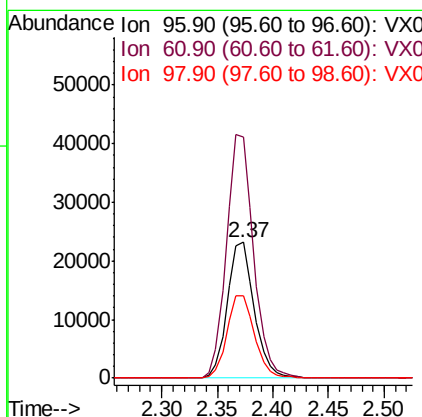
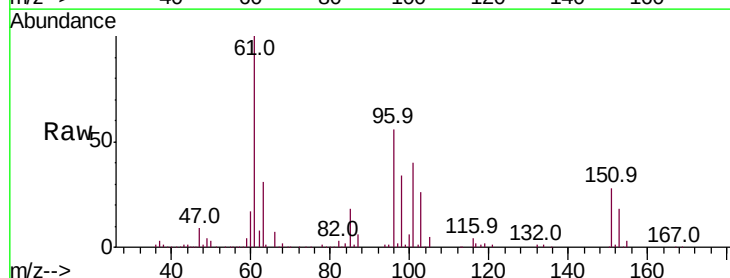
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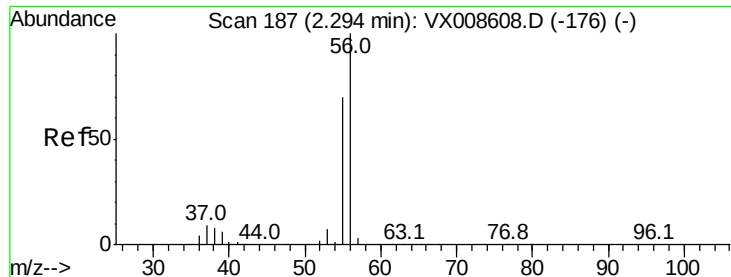


#12

1,1-Dichloroethene
 Concen: 18.397 ug/l
 RT: 2.37 min Scan# 200
 Delta R.T. -0.00 min
 Lab File: VX008621.D
 Acq: 03 Apr 2019 18:30

Tgt Ion: 96 Resp: 38905
 Ion Ratio Lower Upper
 96 100
 61 177.8 140.9 211.3
 98 60.6 52.1 78.1





#13

Acrolein

Concen: 87.959 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX008621.D

Acq: 03 Apr 2019 18:30

Instrument :

MSVOA_X

ClientSampleId :

VX0403WBSD01

Tot Ion: 56 Resp: 27242

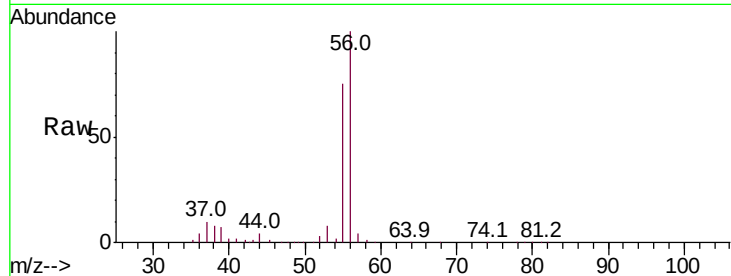
Ion Ratio Lower Upper

56 100

55 72.3 58.0 87.0

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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

2.29

15000

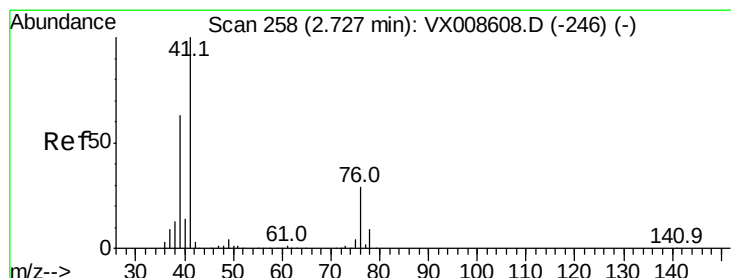
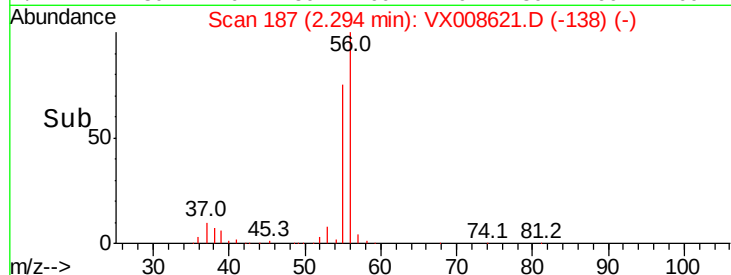
10000

5000

0

Time-->

2.20 2.25 2.30 2.35 2.40



#14

Allyl chloride

Concen: 18.453 ug/l

RT: 2.73 min Scan# 258

Delta R.T. -0.00 min

Lab File: VX008621.D

Acq: 03 Apr 2019 18:30

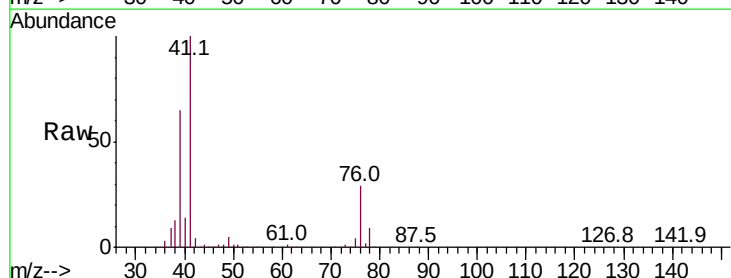
Tgt Ion: 41 Resp: 89332

Ion Ratio Lower Upper

41 100

39 60.3 48.0 72.0

76 27.1 22.0 33.0



Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0

2.73

60000

50000

40000

30000

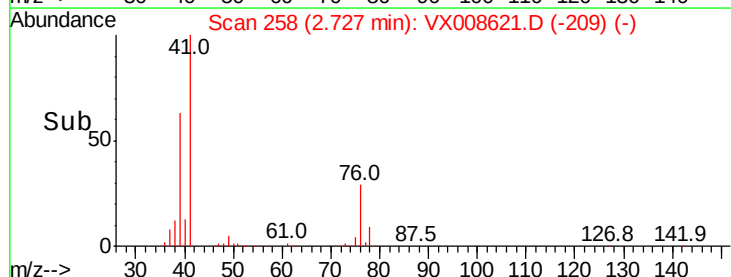
20000

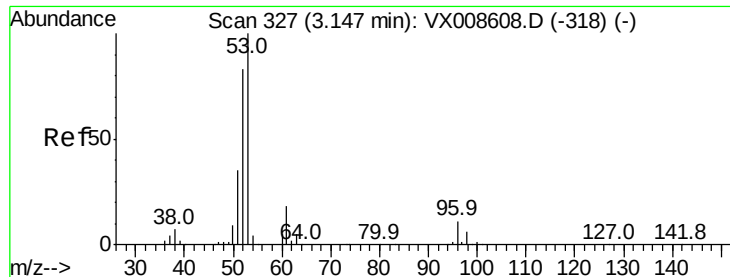
10000

0

Time-->

2.60 2.70 2.80





#15

Acrylonitrile

Concen: 96.877 ug/l

RT: 3.14 min Scan# 326

Delta R.T. -0.01 min

Lab File: VX008621.D

Acq: 03 Apr 2019 18:30

Instrument :

MSVOA_X

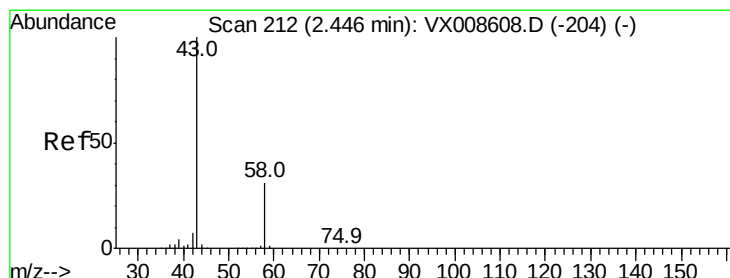
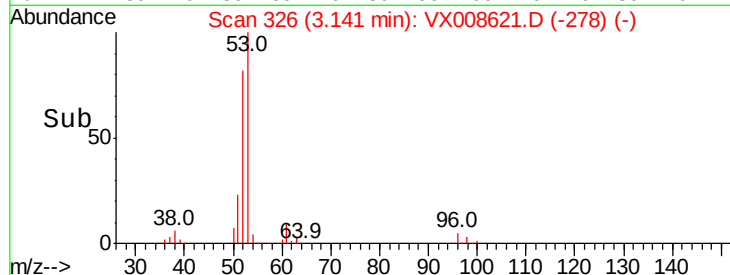
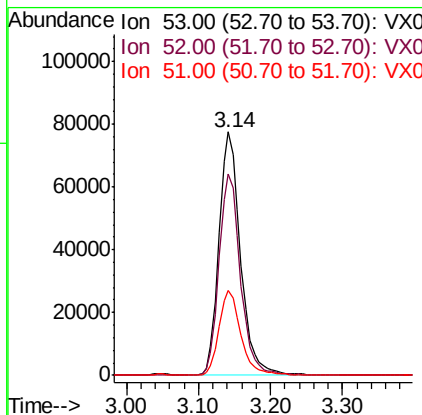
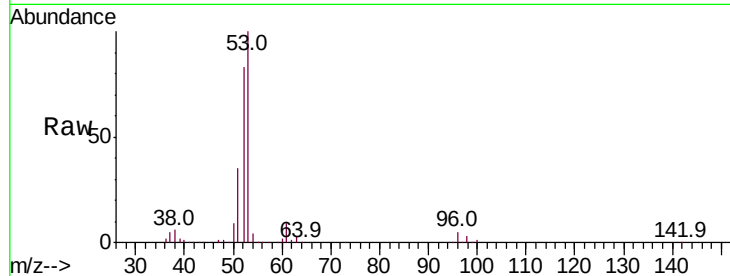
ClientSampleId :

VX0403WBSD01

Tot Ion:	53	Resp:	160301
Ion Ratio	Lower	Upper	
53	100		
52	83.4	66.5	99.7
51	35.2	28.6	42.8

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#16

Acetone

Concen: 95.787 ug/l

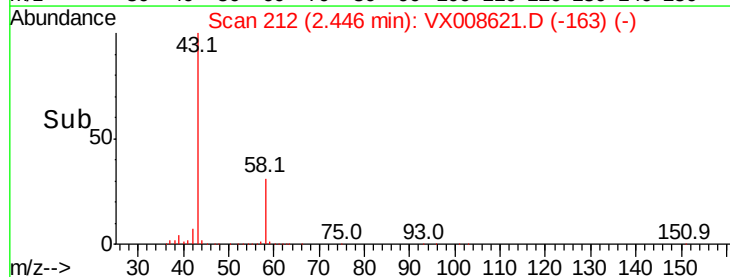
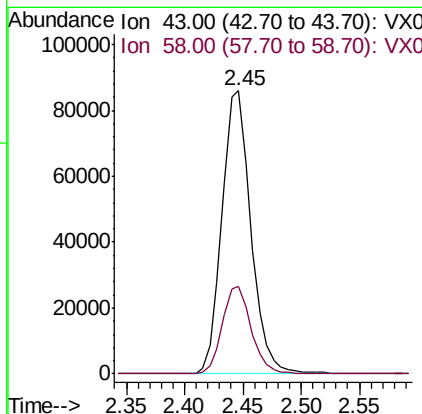
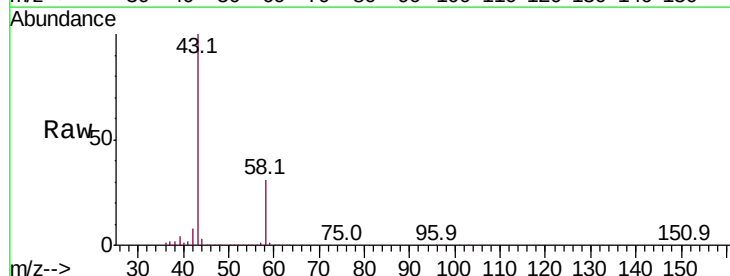
RT: 2.45 min Scan# 212

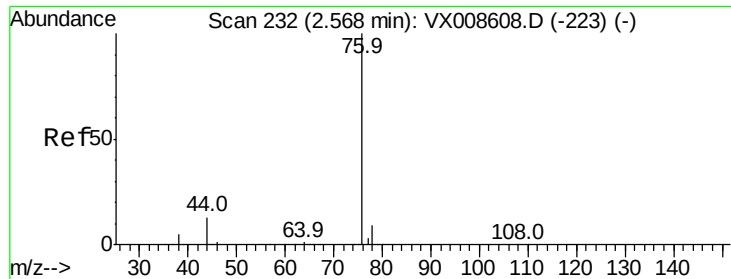
Delta R.T. -0.00 min

Lab File: VX008621.D

Acq: 03 Apr 2019 18:30

Tgt Ion:	43	Resp:	147194
Ion Ratio	Lower	Upper	
43	100		
58	31.1	24.8	37.2





#17

Carbon Disulfide

Concen: 18.270 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX008621.D

Acq: 03 Apr 2019 18:30

Instrument :

MSVOA_X

ClientSampleId :

VX0403WBSD01

Tot Ion: 76 Resp: 114433

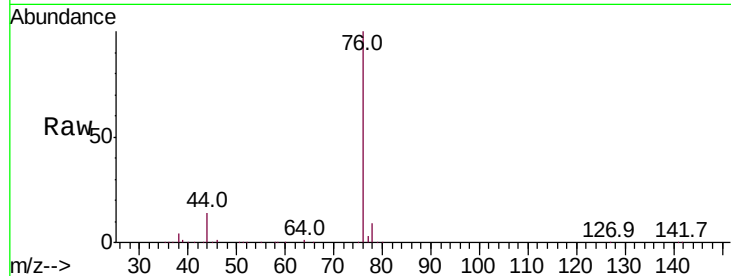
Ion Ratio Lower Upper

76 100

78 8.8 7.1 10.7

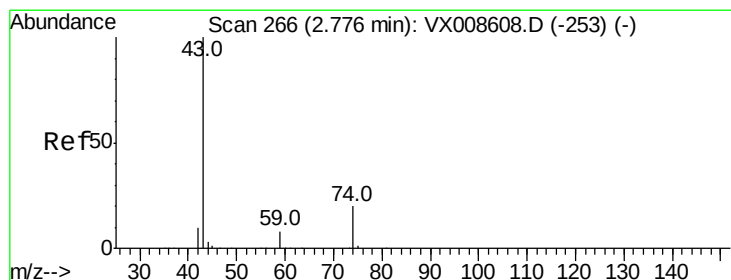
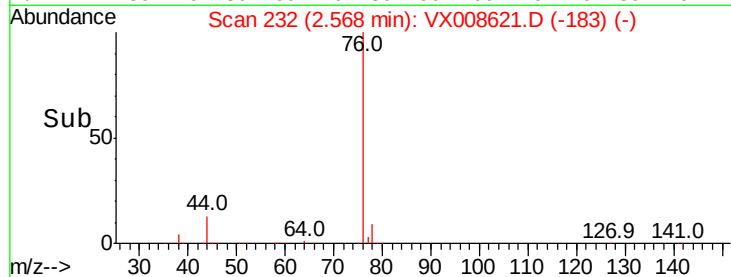
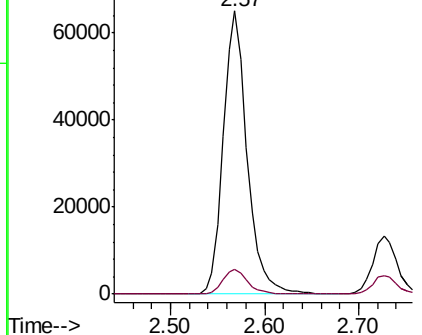
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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#18

Methyl Acetate

Concen: 18.635 ug/l

RT: 2.78 min Scan# 266

Delta R.T. -0.00 min

Lab File: VX008621.D

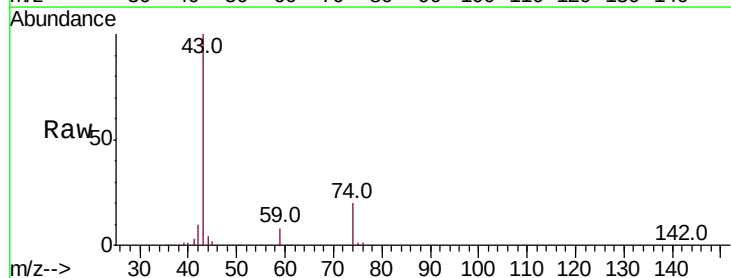
Acq: 03 Apr 2019 18:30

Tgt Ion: 43 Resp: 69451

Ion Ratio Lower Upper

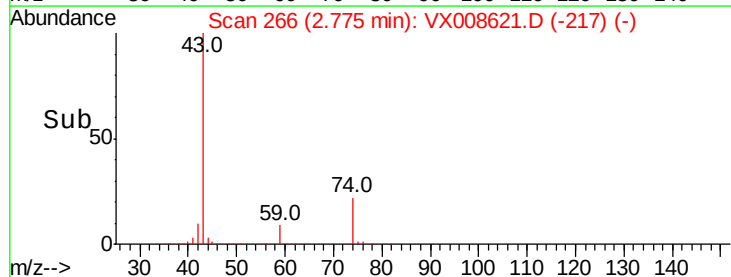
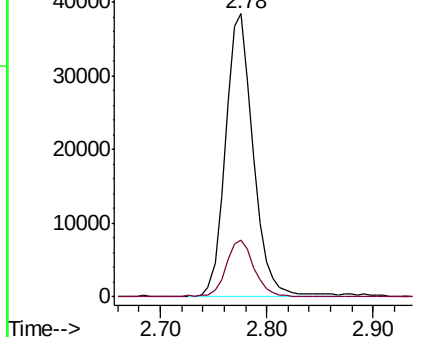
43 100

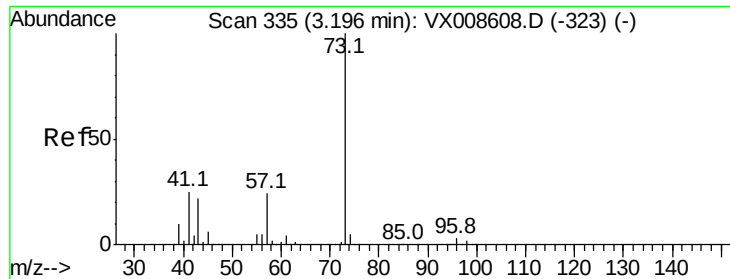
74 20.7 16.5 24.7



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





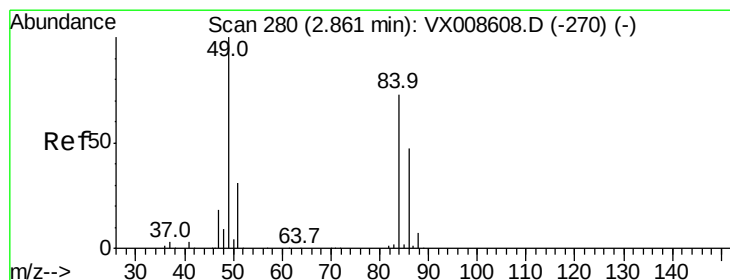
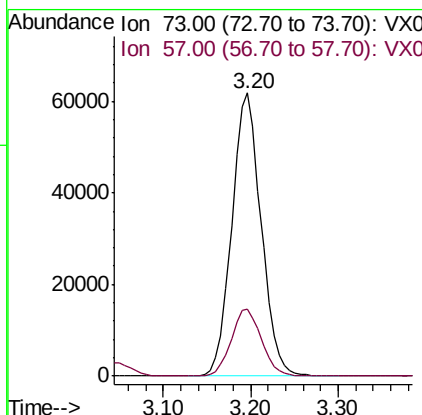
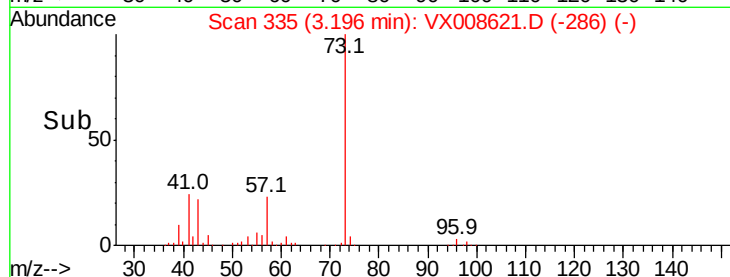
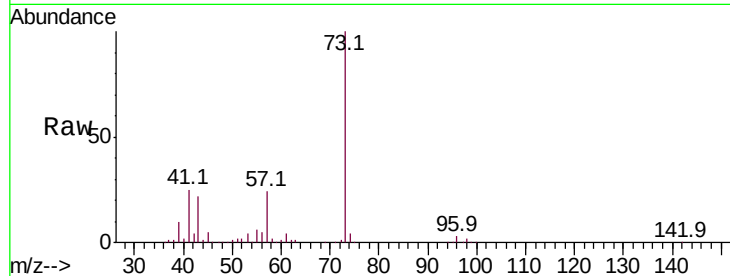
#19
Methyl tert-butyl Ether
Concen: 19.058 ug/l
RT: 3.20 min Scan# 335
Delta R.T. -0.00 min
Lab File: VX008621.D
Acq: 03 Apr 2019 18:30

Instrument :
MSVOA_X
ClientSampled :
VX0403WBSD01

Tot Ion: 73 Resp: 143926
Ion Ratio Lower Upper
73 100
57 23.5 19.5 29.3

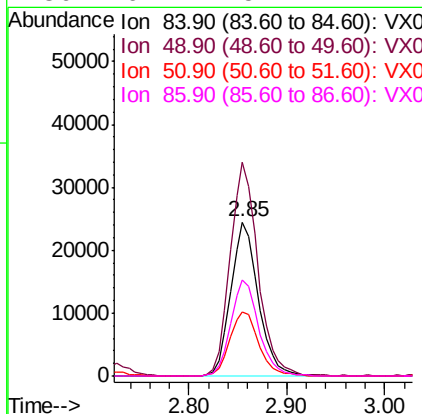
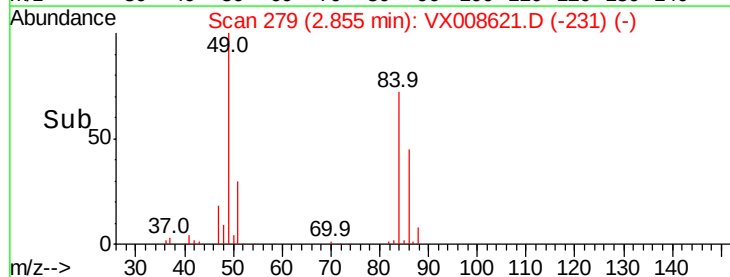
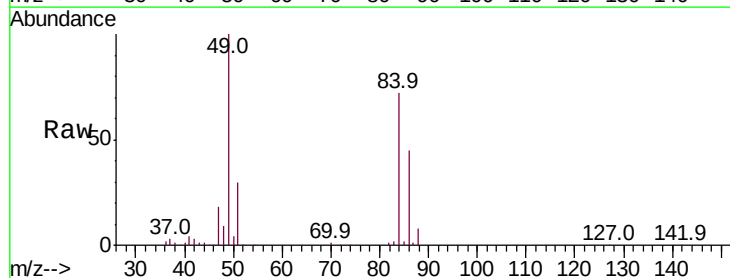
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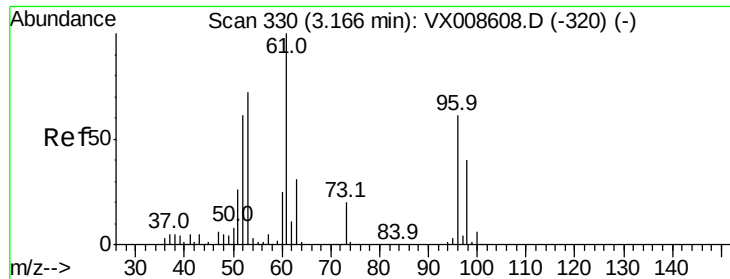
MMDadoda
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#20
Methylene Chloride
Concen: 18.553 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.01 min
Lab File: VX008621.D
Acq: 03 Apr 2019 18:30

Tgt Ion: 84 Resp: 47723
Ion Ratio Lower Upper
84 100
49 138.6 109.7 164.5
51 41.9 33.6 50.4
86 62.1 51.4 77.2





#21

trans-1,2-Dichloroethene

Concen: 18.332 ug/l

RT: 3.17 min Scan# 330

Delta R.T. -0.00 min

Lab File: VX008621.D

Acq: 03 Apr 2019 18:30

Instrument :

MSVOA_X

ClientSampled :

VX0403WBSD01

Tot Ion: 96 Resp: 41933

Ion Ratio Lower Upper

96 100

61 155.2 132.1 198.1

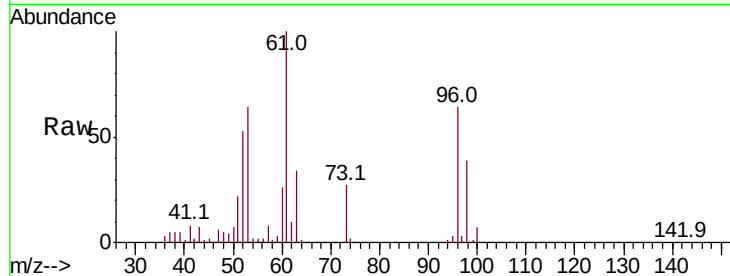
98 61.2 52.2 78.2

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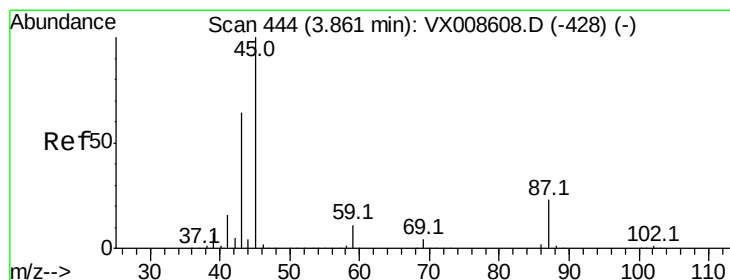
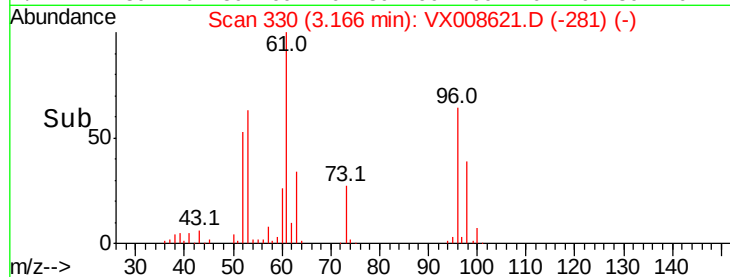
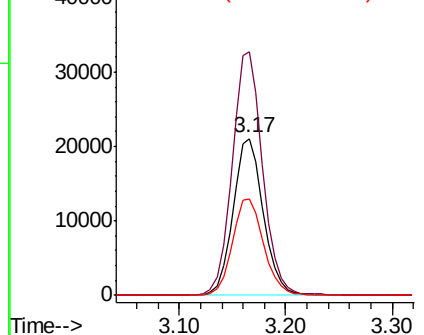
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Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 19.059 ug/l

RT: 3.85 min Scan# 443

Delta R.T. -0.01 min

Lab File: VX008621.D

Acq: 03 Apr 2019 18:30

Tgt Ion: 45 Resp: 177831

Ion Ratio Lower Upper

45 100

43 76.0 51.3 76.9

87 23.0 18.1 27.1

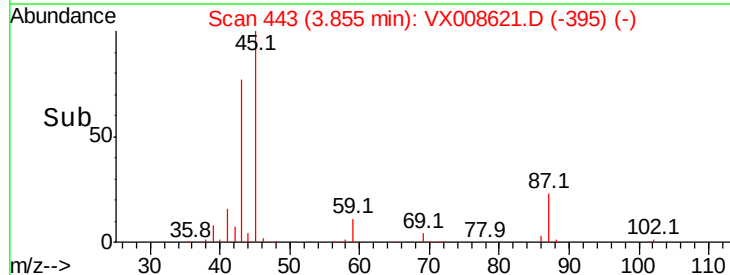
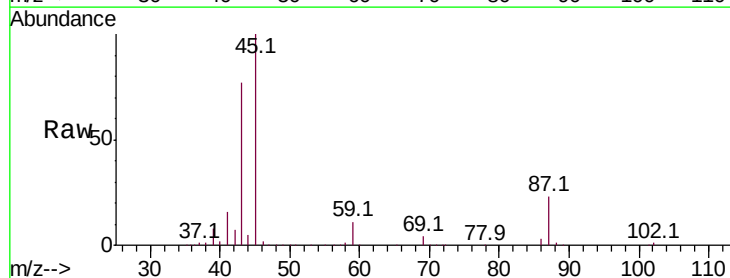
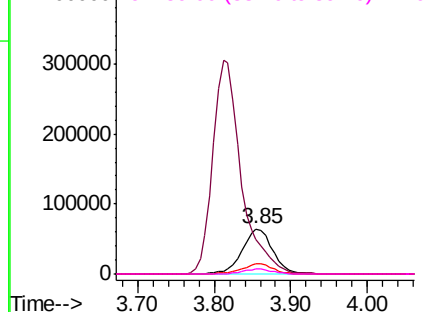
59 10.5 8.6 13.0

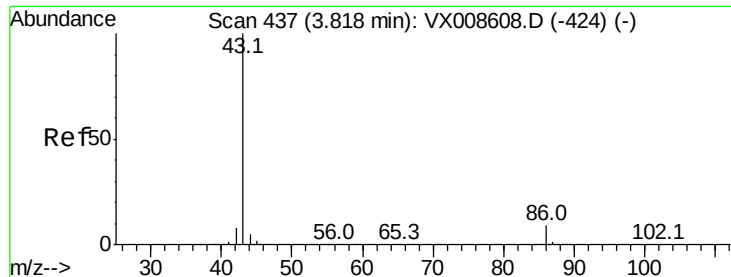
Abundance Ion 45.00 (44.70 to 45.70): VX0

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: 97.143 ug/l

RT: 3.81 min Scan# 436

Delta R.T. -0.01 min

Lab File: VX008621.D

Acq: 03 Apr 2019 18:30

Instrument :

MSVOA_X

ClientSampleId :

VX0403WBSD01

Tot Ion: 43 Resp: 788520

Ion Ratio Lower Upper

43 100

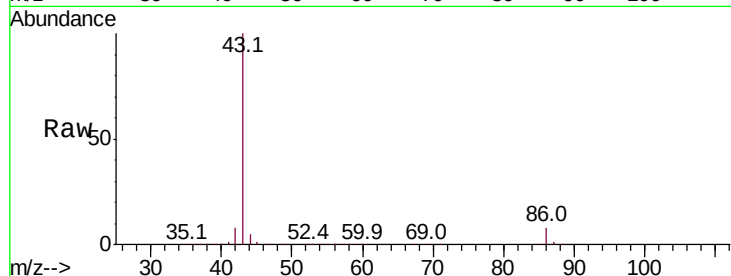
86 8.2 7.0 10.6

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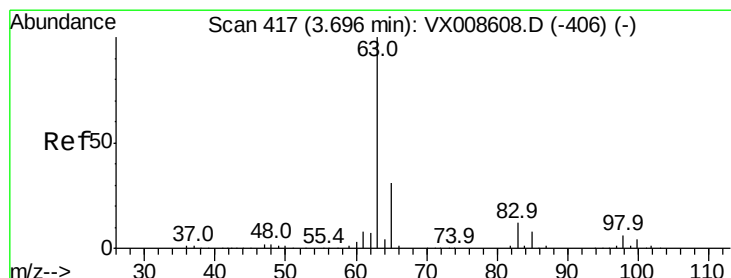
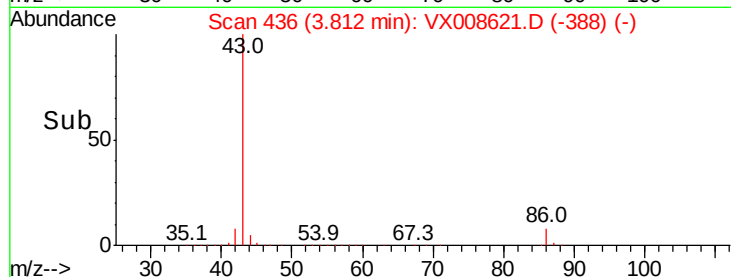
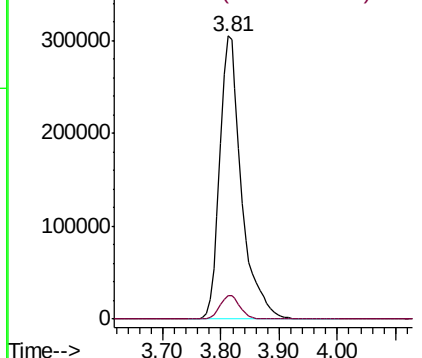
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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 18.706 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX008621.D

Acq: 03 Apr 2019 18:30

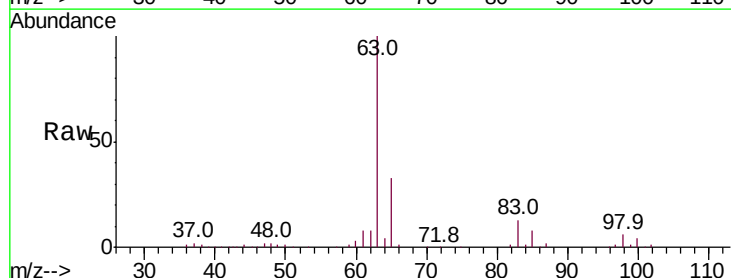
Tgt Ion: 63 Resp: 86415

Ion Ratio Lower Upper

63 100

98 5.8 2.8 8.4

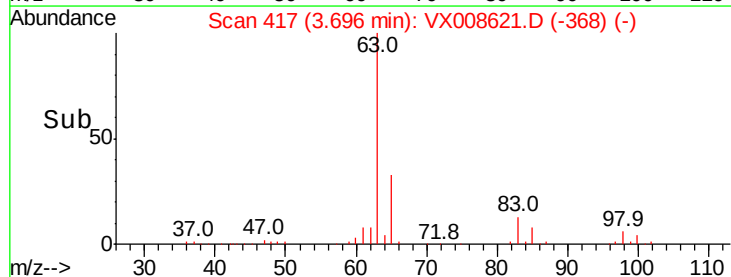
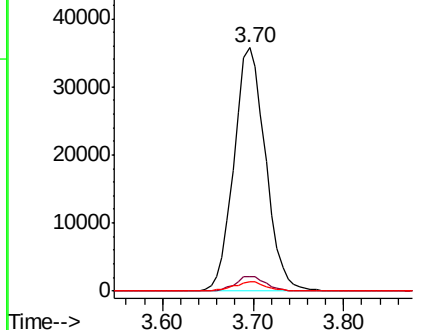
100 3.8 1.8 5.5

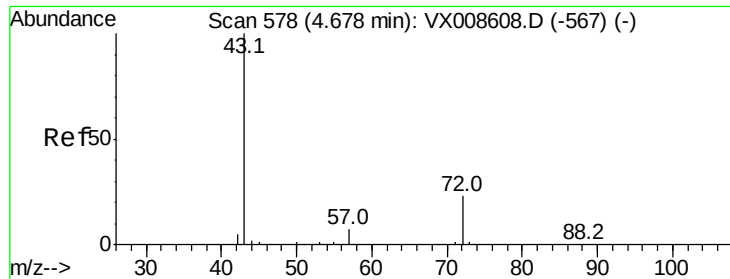


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 98.405 ug/l

RT: 4.67 min Scan# 577

Delta R.T. -0.01 min

Lab File: VX008621.D

Acq: 03 Apr 2019 18:30

Tot Ion: 43 Resp: 239003

Ion Ratio Lower Upper

43 100

72 22.6 18.2 27.4

Instrument :

MSVOA_X

ClientSampleId :

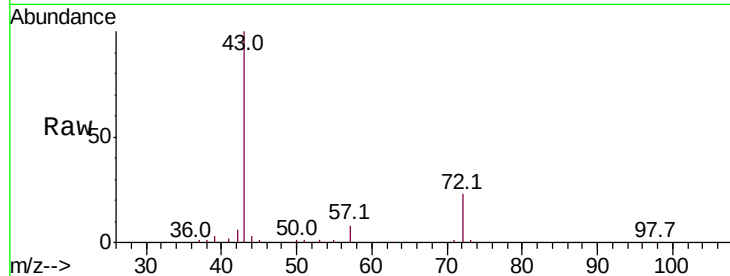
VX0403WBSD01

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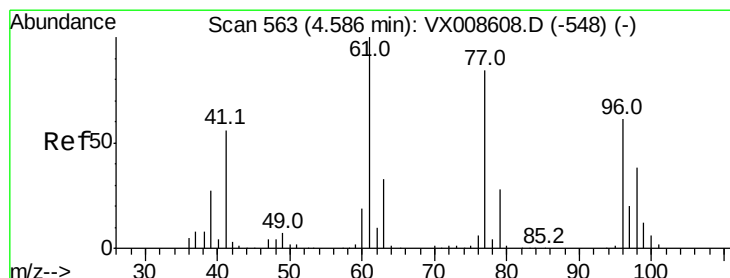
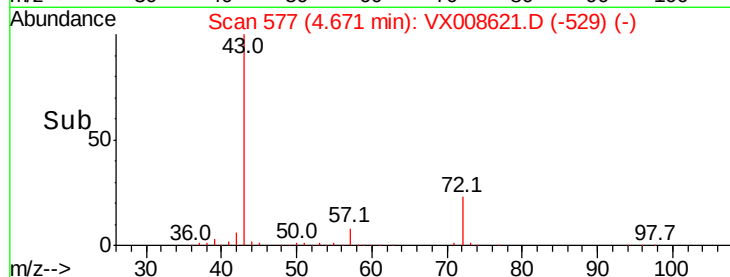
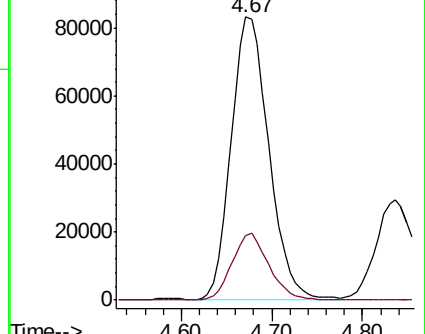
MMDadoda

4/4/2019 3:37:22 PM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 18.148 ug/l

RT: 4.58 min Scan# 562

Delta R.T. -0.01 min

Lab File: VX008621.D

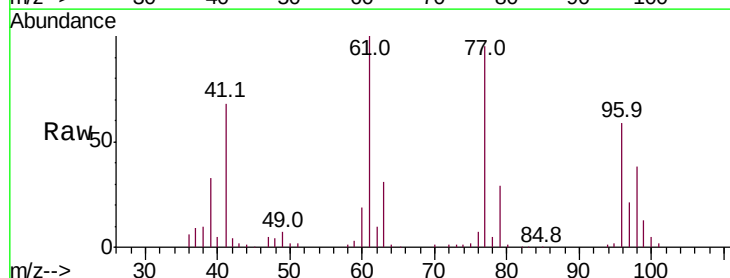
Acq: 03 Apr 2019 18:30

Tgt Ion: 77 Resp: 59050

Ion Ratio Lower Upper

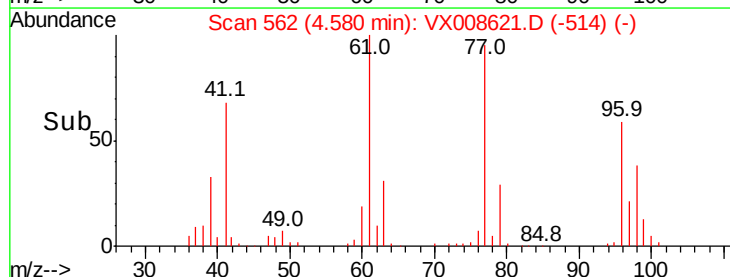
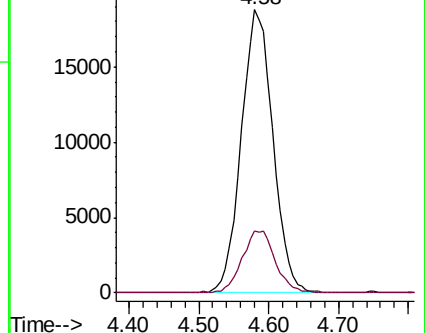
77 100

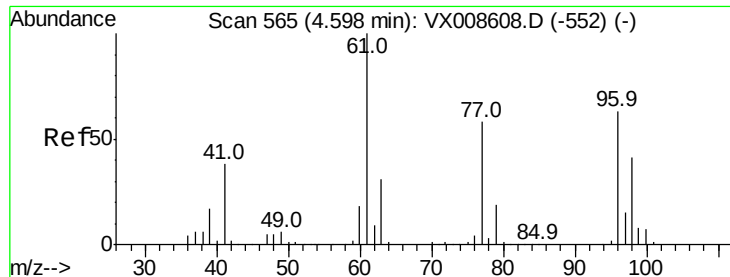
97 22.7 11.5 34.5



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

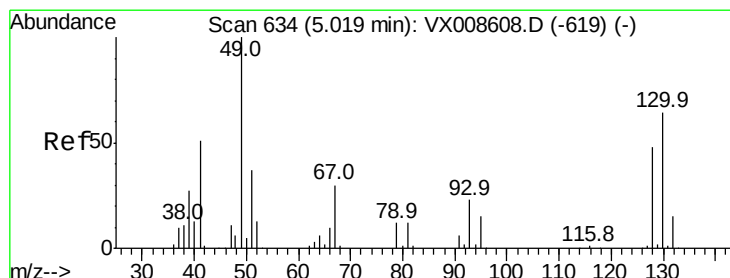
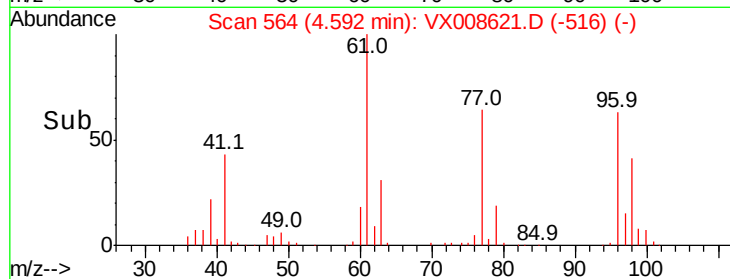
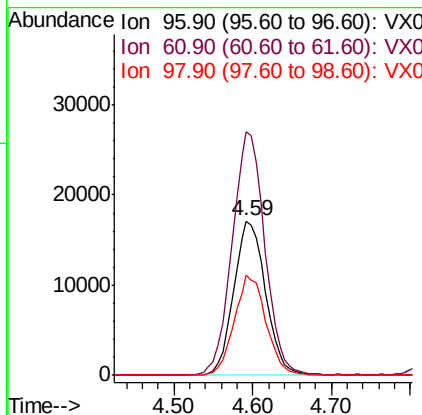
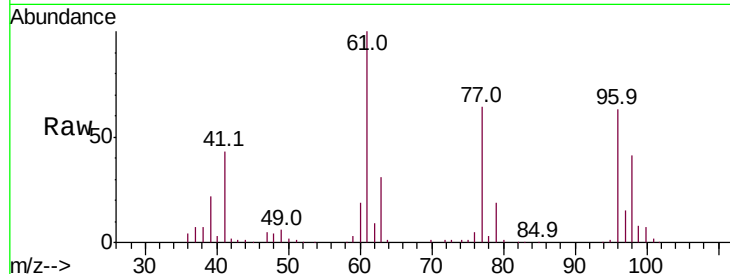
cis-1,2-Dichloroethene
 Concen: 18.329 ug/l
 RT: 4.59 min Scan# 564
 Delta R.T. -0.01 min
 Lab File: VX008621.D
 Acq: 03 Apr 2019 18:30

Instrument :
 MSVOA_X
 ClientSampled :
 VX0403WBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	161.6	0.0	327.6
98	64.5	0.0	128.6

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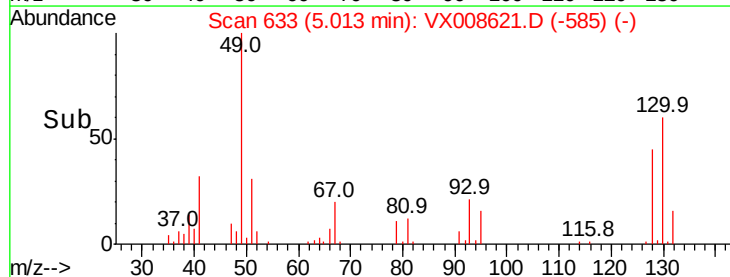
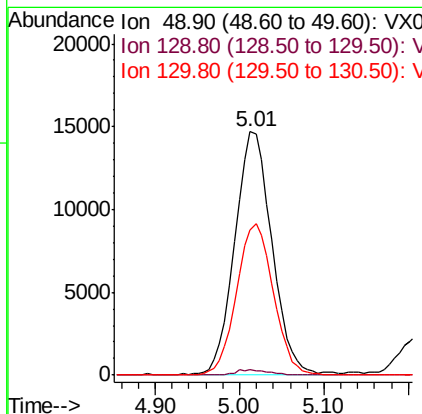
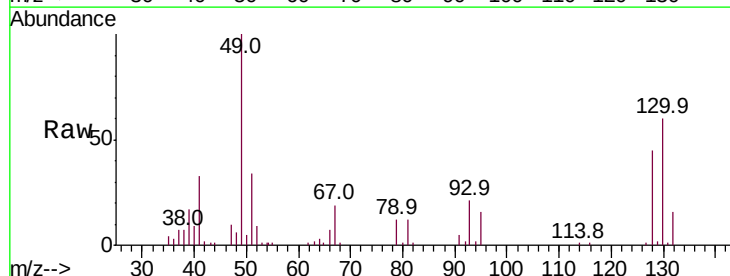
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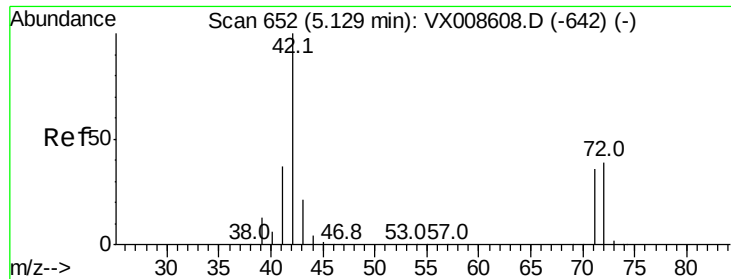


#28

Bromochloromethane
 Concen: 21.117 ug/l
 RT: 5.01 min Scan# 633
 Delta R.T. -0.01 min
 Lab File: VX008621.D
 Acq: 03 Apr 2019 18:30

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	3.6
130	61.4	49.3	73.9





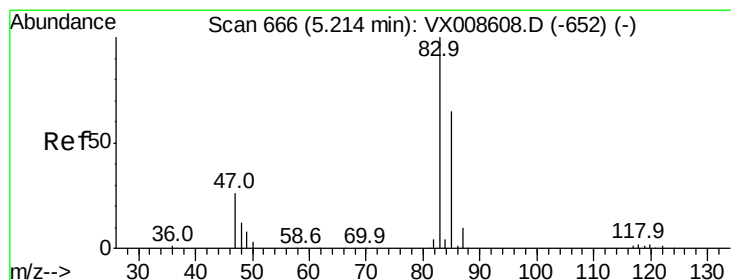
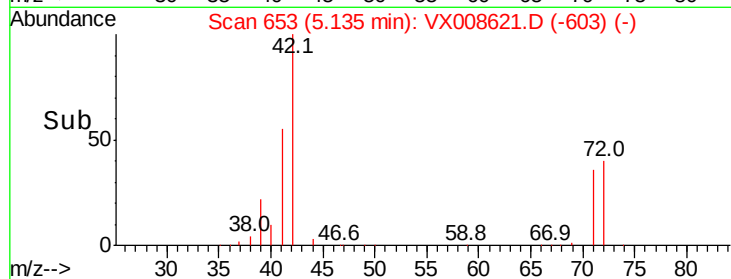
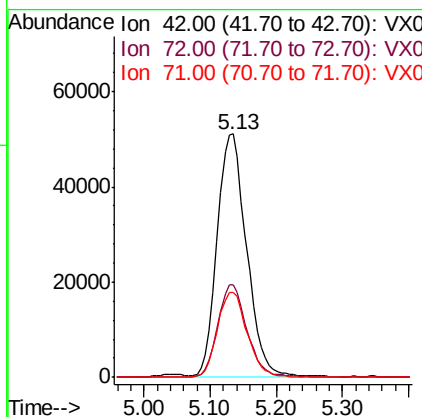
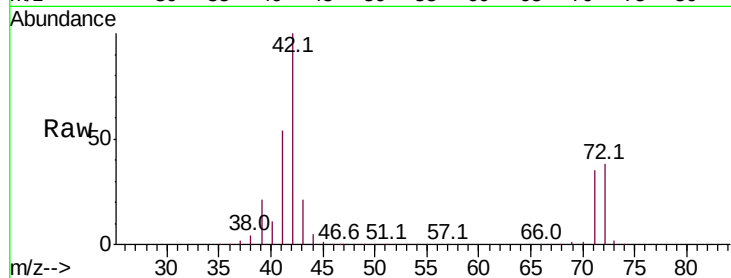
#29
Tetrahydrofuran
Concen: 97.211 ug/l
RT: 5.13 min Scan# 653
Delta R.T. 0.01 min
Lab File: VX008621.D
Acq: 03 Apr 2019 18:30

Instrument :
MSVOA_X
ClientSampleId :
VX0403WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	38.3	30.5	45.7
71	35.5	28.6	43.0

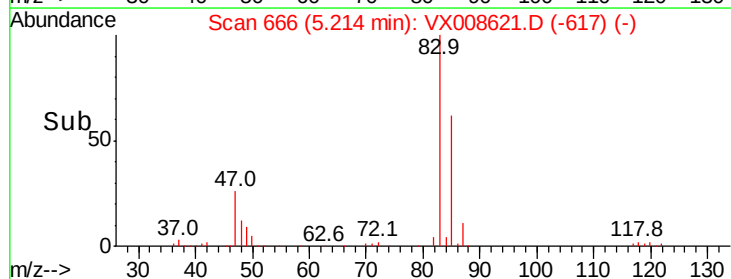
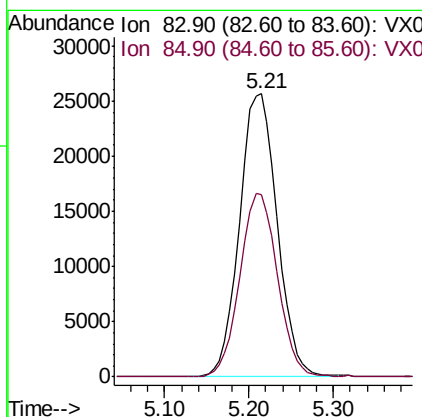
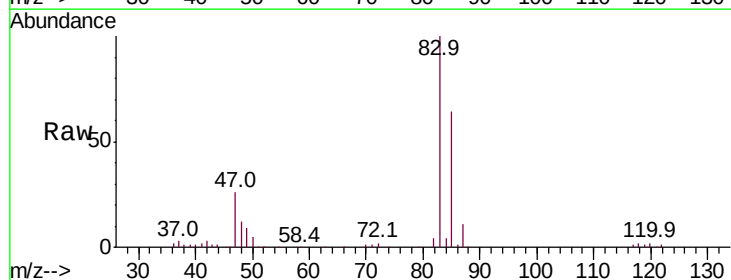
Manual Integrations
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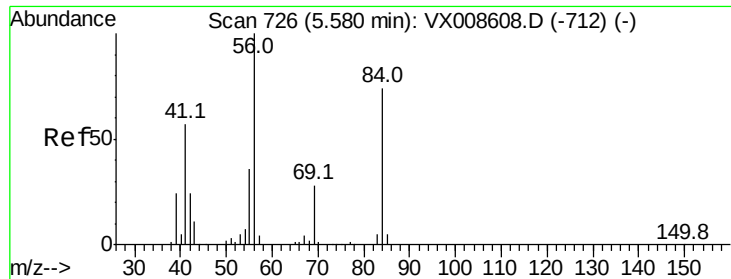
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#30
Chloroform
Concen: 18.840 ug/l
RT: 5.21 min Scan# 666
Delta R.T. -0.00 min
Lab File: VX008621.D
Acq: 03 Apr 2019 18:30

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.4	52.1	78.1





#31

Cyclohexane

Concen: 18.276 ug/l

RT: 5.58 min Scan# 726

Delta R.T. -0.00 min

Lab File: VX008621.D

Acq: 03 Apr 2019 18:30

Instrument :

MSVOA_X

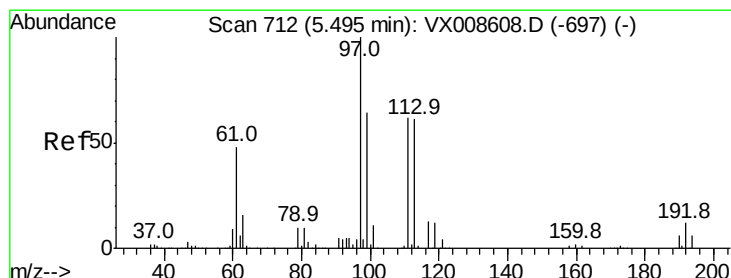
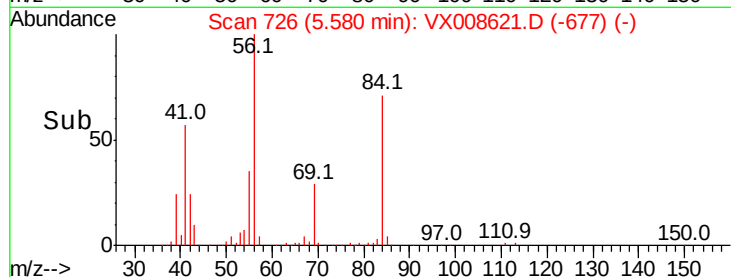
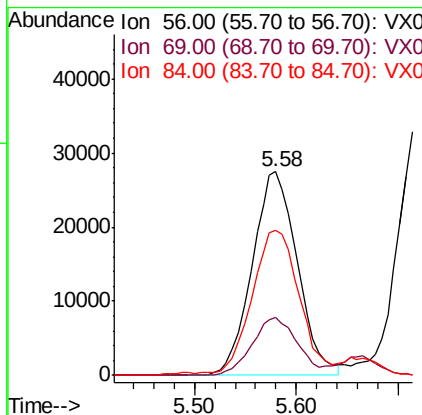
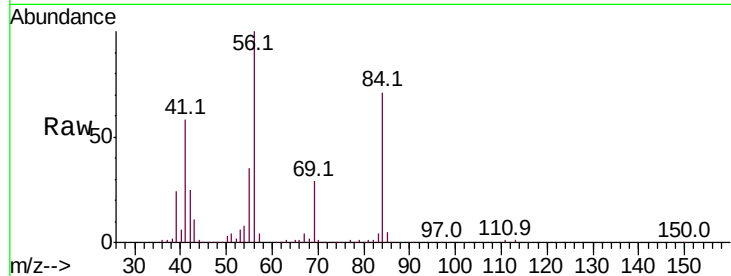
ClientSampleId :

VX0403WBSD01

Tot Ion:	56	Resp:	84248
Ion	Ratio	Lower	Upper
56	100		
69	28.7	22.6	33.8
84	69.9	59.3	88.9

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 18.696 ug/l

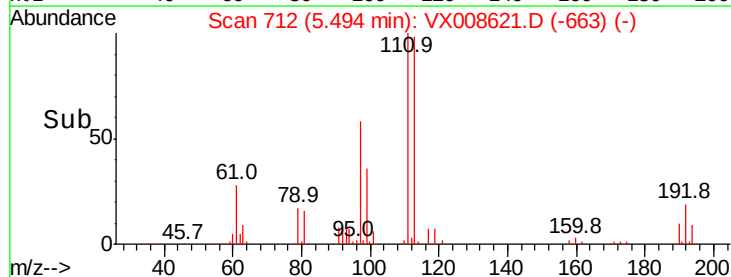
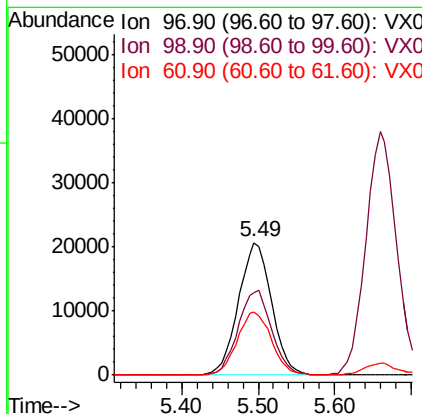
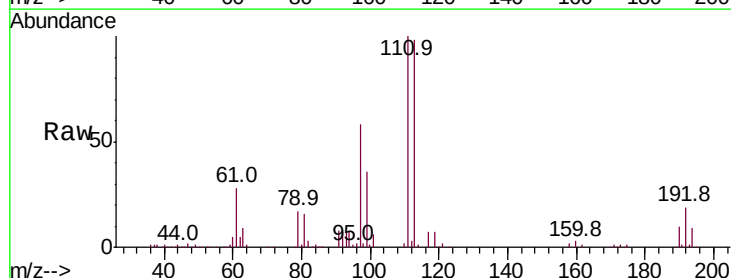
RT: 5.49 min Scan# 712

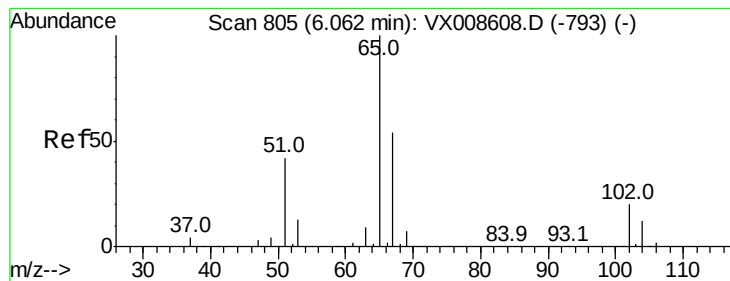
Delta R.T. -0.00 min

Lab File: VX008621.D

Acq: 03 Apr 2019 18:30

Tgt Ion:	97	Resp:	62341
Ion	Ratio	Lower	Upper
97	100		
99	64.7	51.3	76.9
61	49.1	38.9	58.3





#33

1,2-Dichloroethane-d4

Concen: 52.039 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.00 min

Lab File: VX008621.D

Acq: 03 Apr 2019 18:30

Instrument :

MSVOA_X

ClientSampleId :

VX0403WBSD01

Tot Ion: 65 Resp: 138839

Ion Ratio Lower Upper

65 100

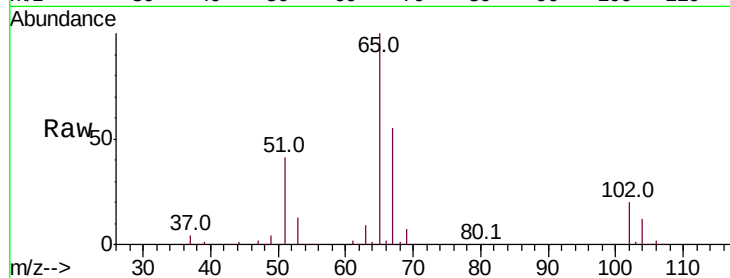
67 54.7 0.0 107.2

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Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.06

50000

40000

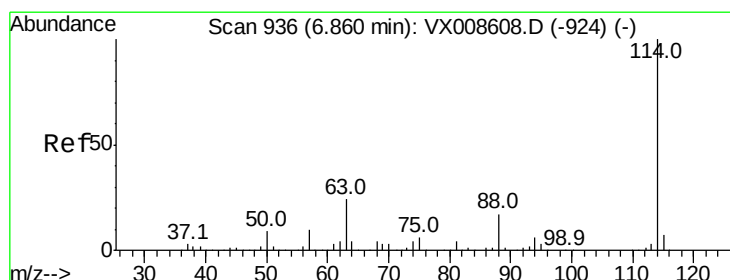
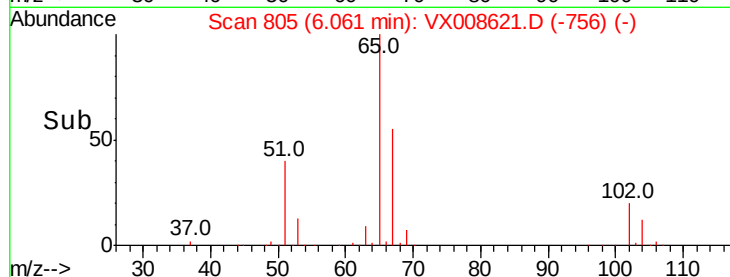
30000

20000

10000

0

Time--> 5.90 6.00 6.10 6.20



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX008621.D

Acq: 03 Apr 2019 18:30

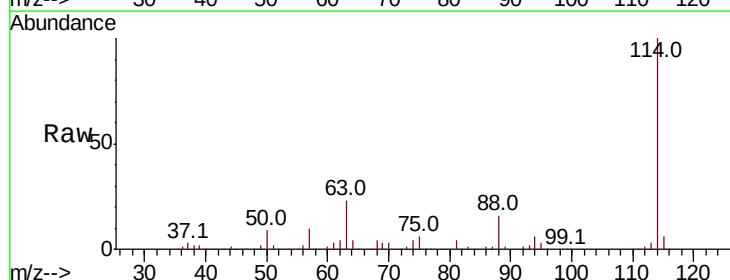
Tgt Ion:114 Resp: 311509

Ion Ratio Lower Upper

114 100

63 23.2 0.0 47.2

88 16.4 0.0 34.0



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

6.86

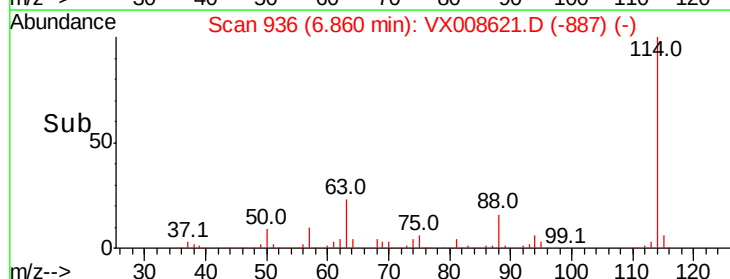
150000

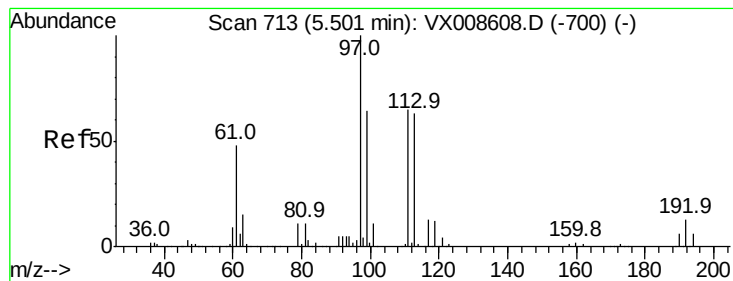
100000

50000

0

Time--> 6.70 6.80 6.90 7.00





#35

Dibromofluoromethane

Concen: 50.847 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX008621.D

Acq: 03 Apr 2019 18:30

Instrument :

MSVOA_X

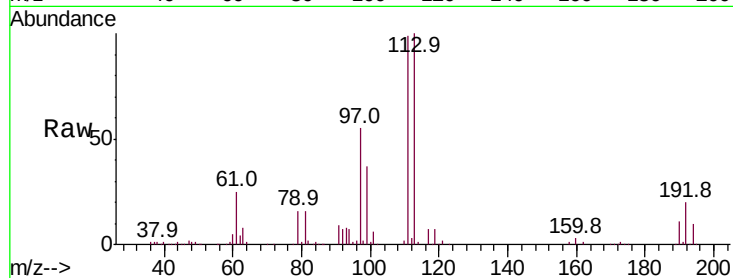
ClientSampleId :

VX0403WBSD01

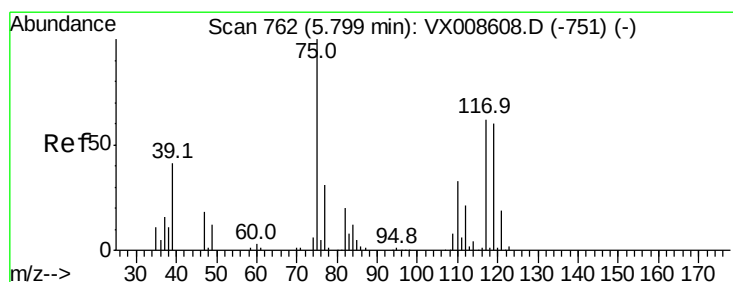
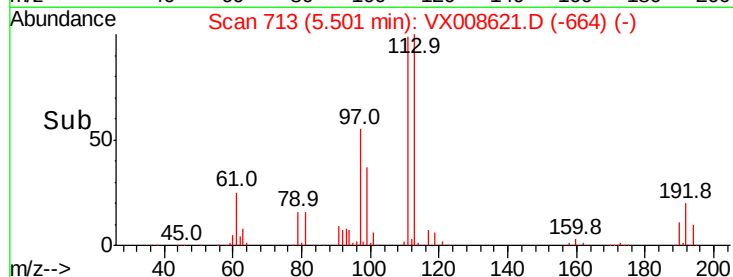
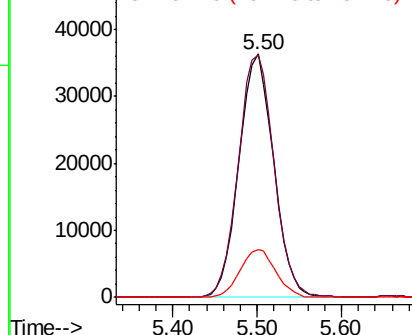
Tot Ion:	113	Resp:	101270
Ion Ratio	Lower	Upper	
113	100		
111	102.4	83.4	125.2
192	20.3	16.1	24.1

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



#36

1,1-Dichloropropene

Concen: 17.457 ug/l

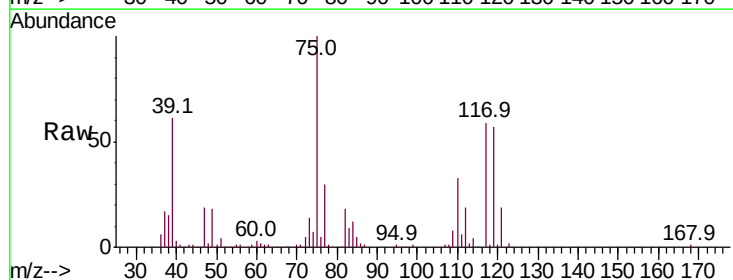
RT: 5.80 min Scan# 762

Delta R.T. -0.00 min

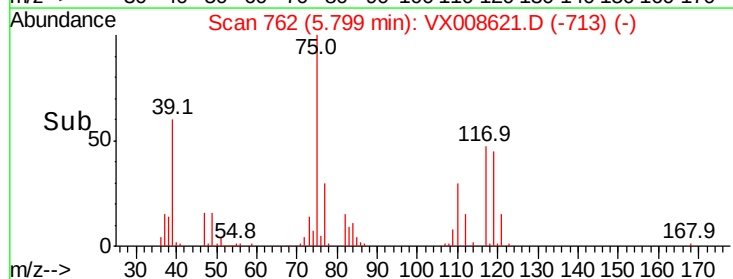
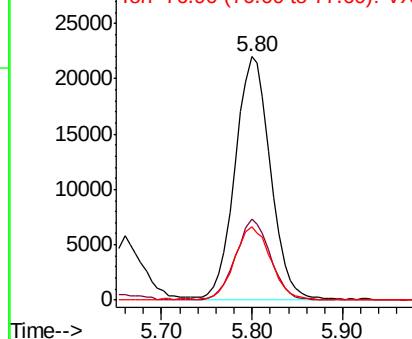
Lab File: VX008621.D

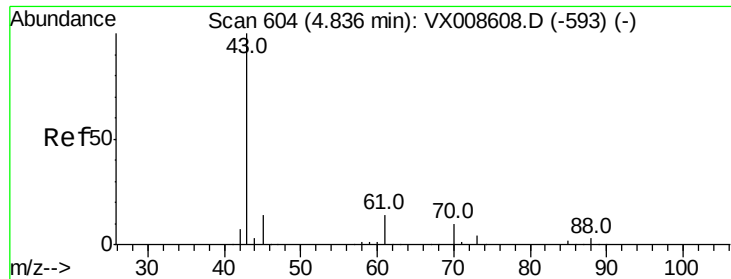
Acq: 03 Apr 2019 18:30

Tgt Ion:	75	Resp:	59443
Ion Ratio	Lower	Upper	
75	100		
110	32.9	16.4	49.2
77	31.3	24.7	37.1



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





#37

Ethyl Acetate

Concen: 19.253 ug/l

RT: 4.84 min Scan# 604

Delta R.T. -0.00 min

Lab File: VX008621.D

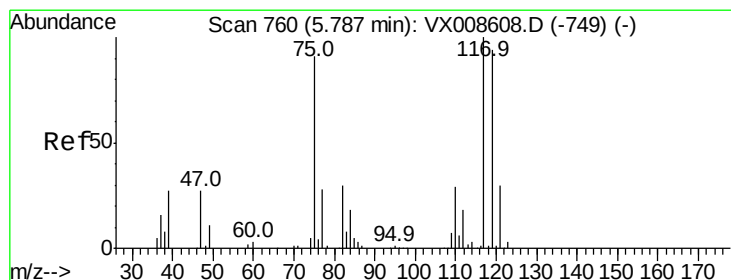
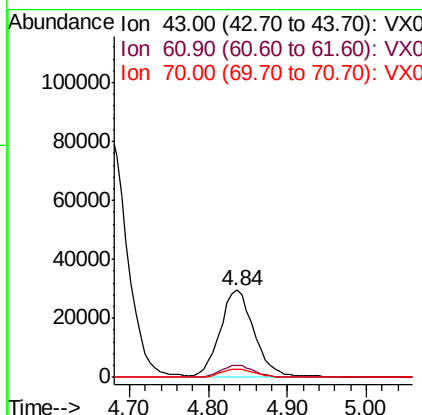
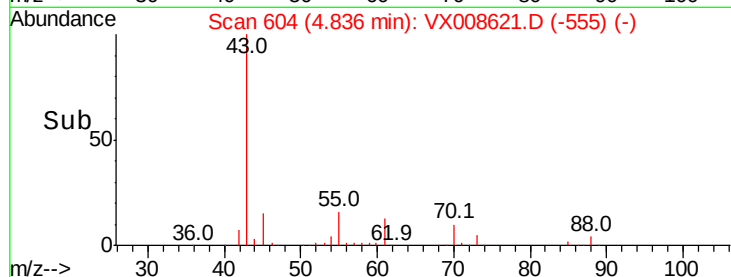
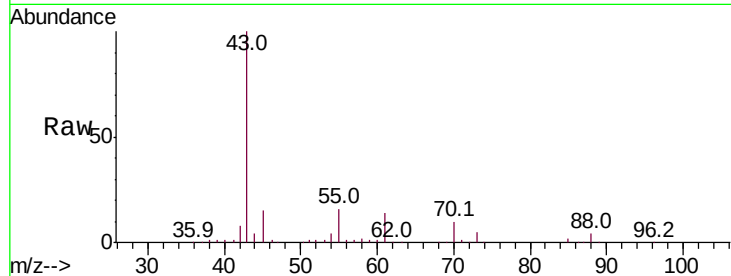
Acq: 03 Apr 2019 18:30

Instrument :
MSVOA_X
ClientSampleId :
VX0403WBSD01

Tot Ion	43	Resp	87506
Ion	Ratio	Lower	Upper
43	100		
61	13.2	10.3	15.5
70	10.0	7.6	11.4

Manual Integrations
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#38

Carbon Tetrachloride

Concen: 18.208 ug/l

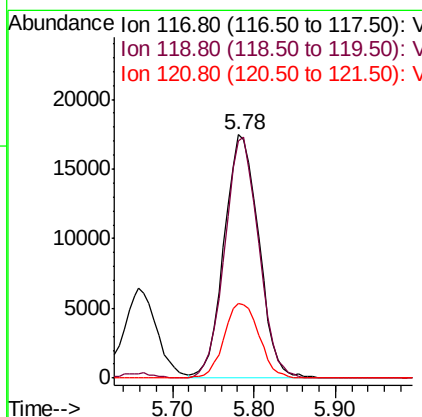
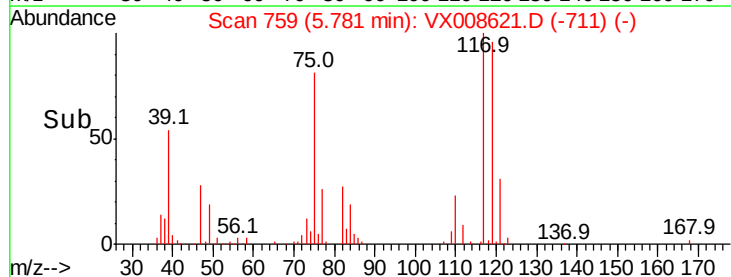
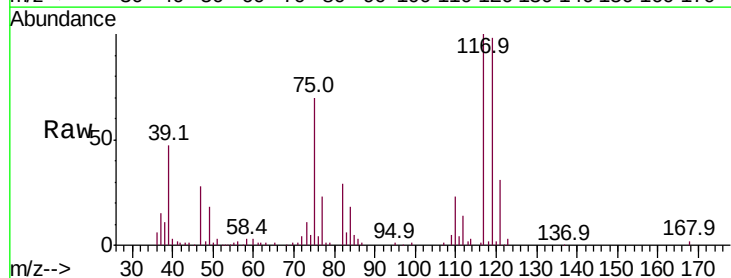
RT: 5.78 min Scan# 759

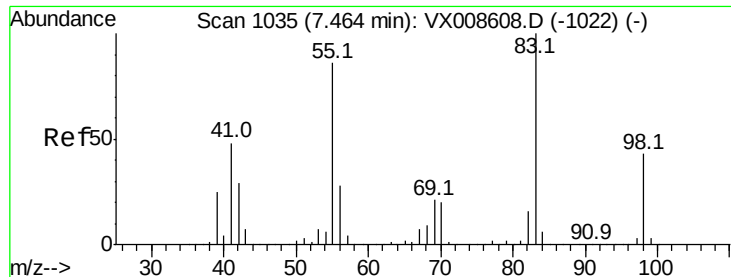
Delta R.T. -0.01 min

Lab File: VX008621.D

Acq: 03 Apr 2019 18:30

Tgt Ion	117	Resp	51314
Ion	Ratio	Lower	Upper
117	100		
119	97.6	75.0	112.6
121	30.7	24.3	36.5





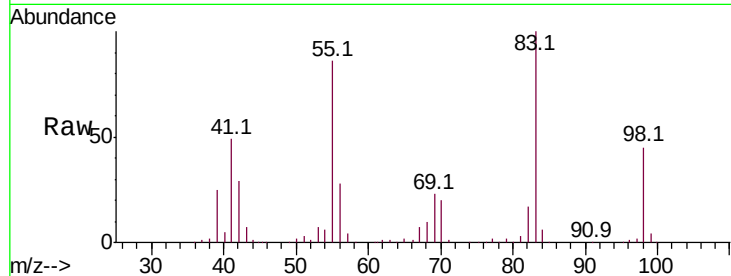
#39
Methylvlcyclohexane
Concen: 17.733 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VX008621.D
Acq: 03 Apr 2019 18:30

Instrument :
MSVOA_X
ClientSampleId :
VX0403WBSD01

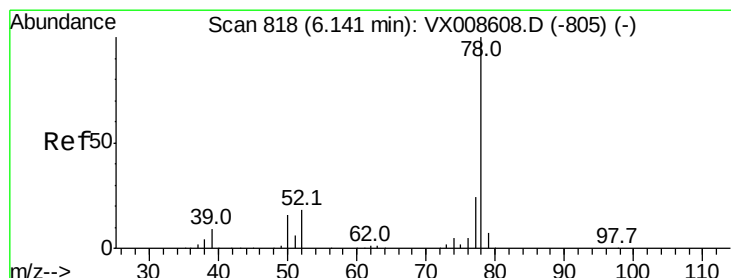
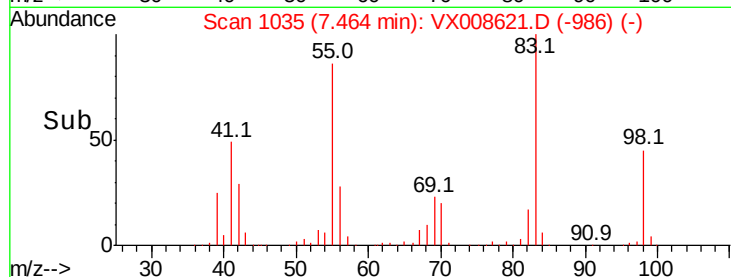
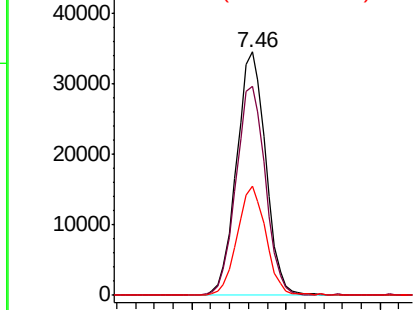
Tot Ion	Ratio	Lower	Upper
83	100		
55	85.9	69.0	103.6
98	44.7	34.4	51.6

Manual Integrations
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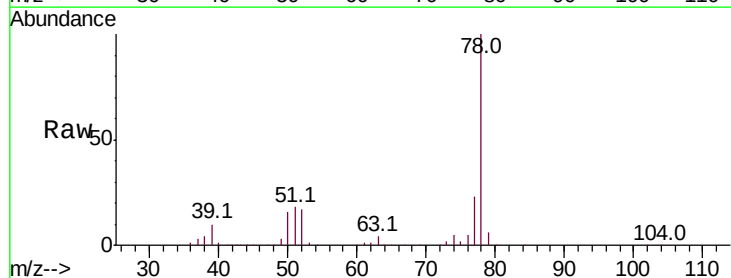


Abundance Ion 83.00 (82.70 to 83.70): VX0
Ion 55.00 (54.70 to 55.70): VX0
Ion 98.00 (97.70 to 98.70): VX0

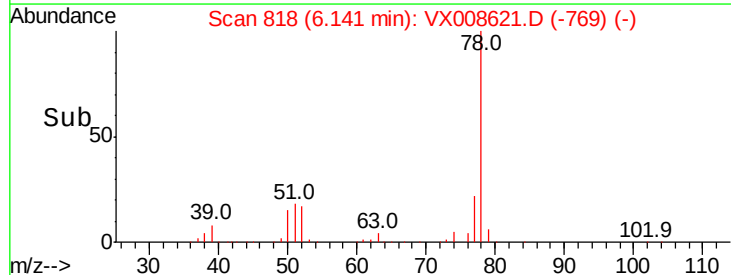
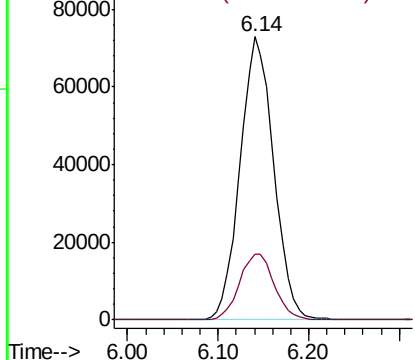


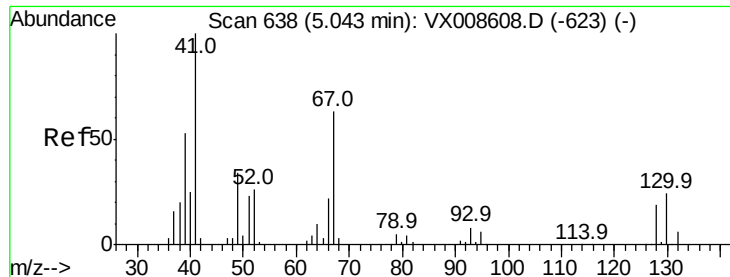
#40
Benzene
Concen: 18.488 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX008621.D
Acq: 03 Apr 2019 18:30

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.2	19.1	28.7



Abundance Ion 78.00 (77.70 to 78.70): VX0
Ion 77.00 (76.70 to 77.70): VX0





#41

Methacrylonitrile

Concen: 18.718 ug/l

RT: 5.04 min Scan# 638

Delta R.T. -0.00 min

Lab File: VX008621.D

Acq: 03 Apr 2019 18:30

Instrument :

MSVOA_X

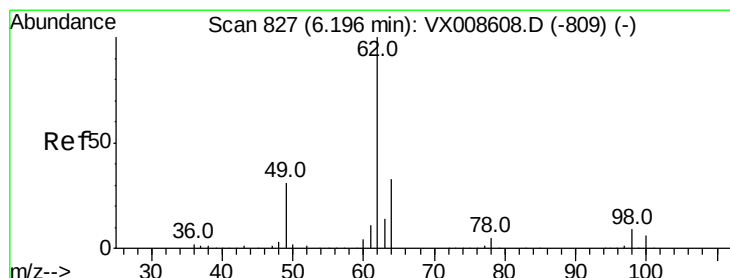
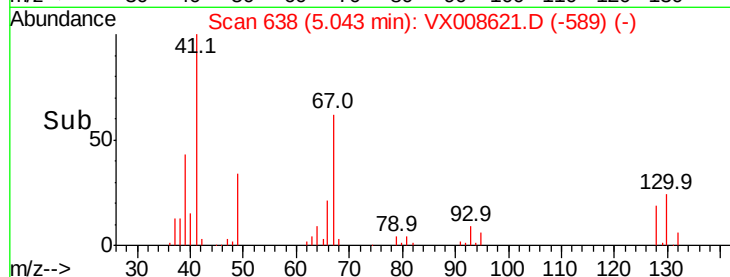
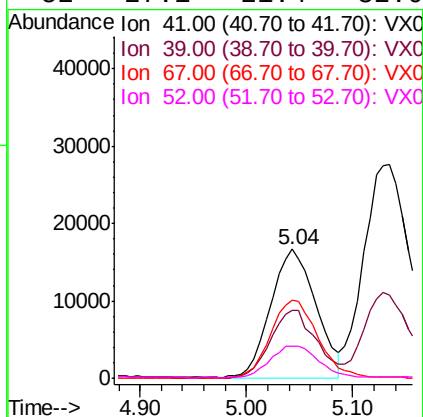
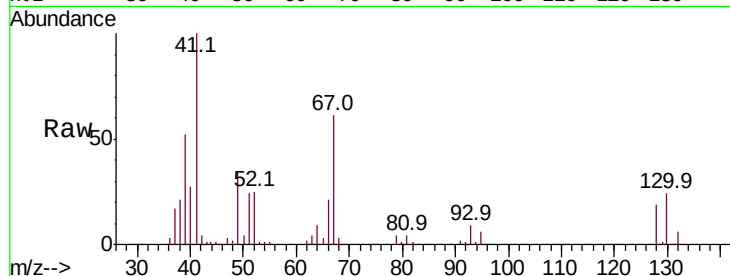
ClientSampleId :

VX0403WBSD01

Tot Ion:	41	Resp:	48903
Ion	Ratio	Lower	Upper
41	100		
39	52.2	42.1	63.1
67	63.8	51.0	76.6
52	27.1	21.4	32.0

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 18.556 ug/l

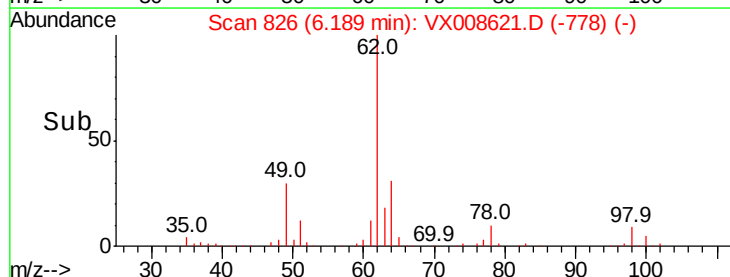
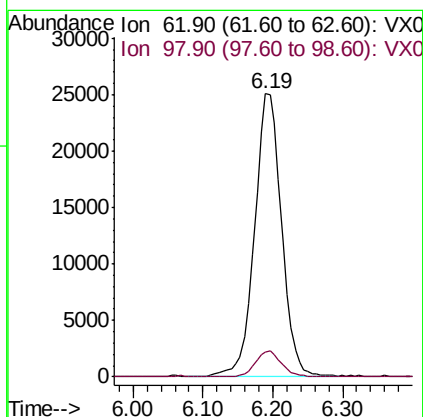
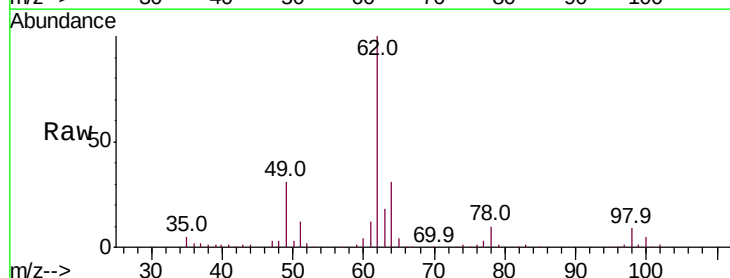
RT: 6.19 min Scan# 826

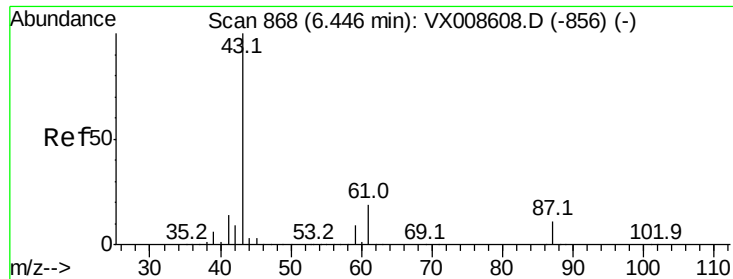
Delta R.T. -0.01 min

Lab File: VX008621.D

Acq: 03 Apr 2019 18:30

Tgt Ion:	62	Resp:	67484
Ion	Ratio	Lower	Upper
62	100		
98	8.9	0.0	18.0





#43

Isopropyl Acetate

Concen: 18.858 ug/l

RT: 6.45 min Scan# 868

Delta R.T. -0.00 min

Lab File: VX008621.D

Acq: 03 Apr 2019 18:30

Instrument :

MSVOA_X

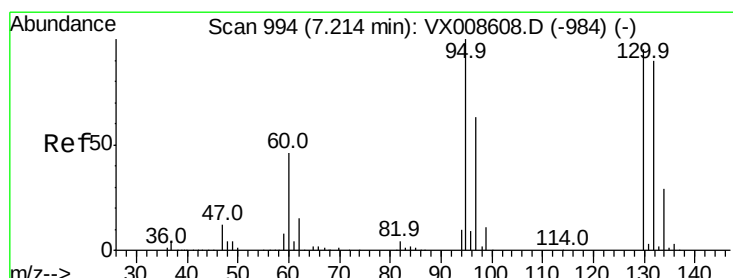
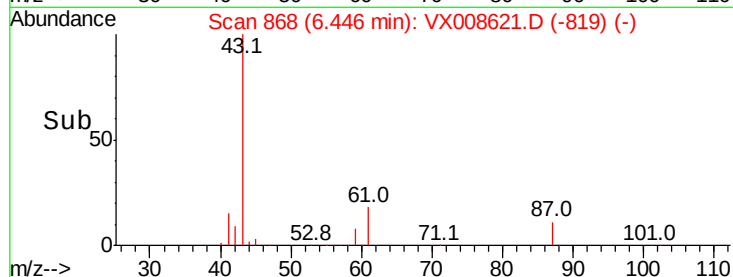
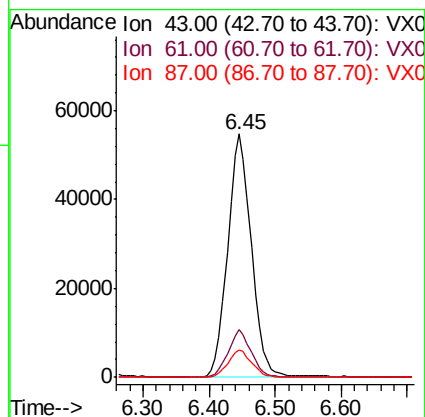
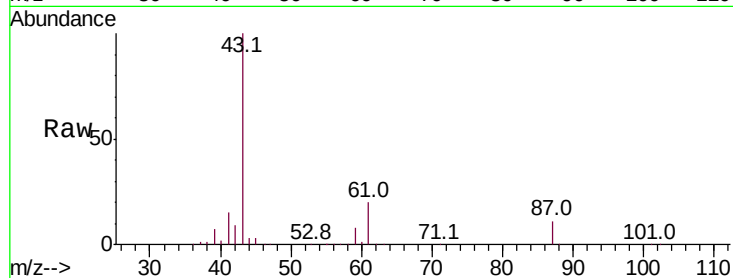
ClientSampleId :

VX0403WBSD01

Tot Ion:	43	Resp:	134269
Ion	Ratio	Lower	Upper
43	100		
61	19.2	15.3	22.9
87	11.4	9.0	13.6

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#44

Trichloroethene

Concen: 17.981 ug/l

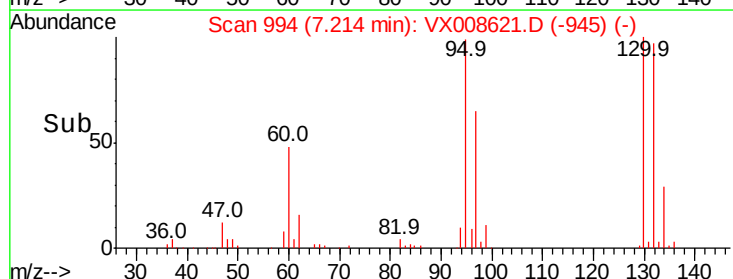
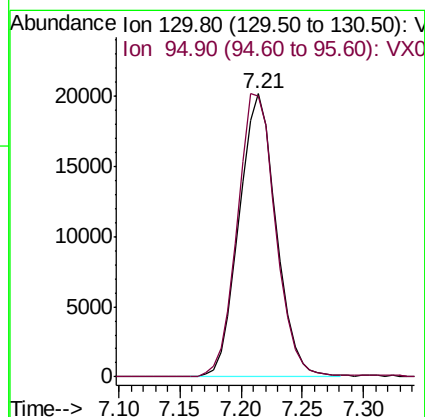
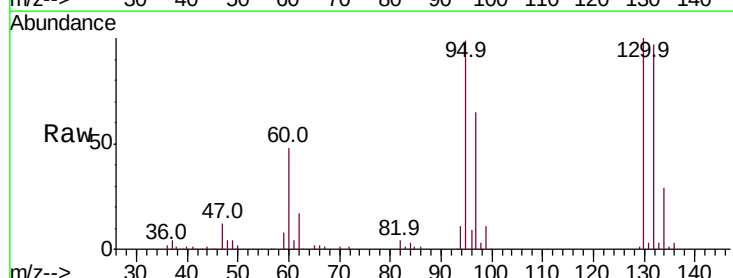
RT: 7.21 min Scan# 994

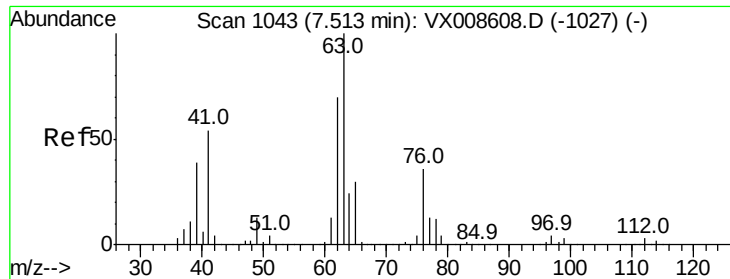
Delta R.T. -0.00 min

Lab File: VX008621.D

Acq: 03 Apr 2019 18:30

Tgt Ion:	130	Resp:	42484
Ion	Ratio	Lower	Upper
130	100		
95	99.2	0.0	209.8





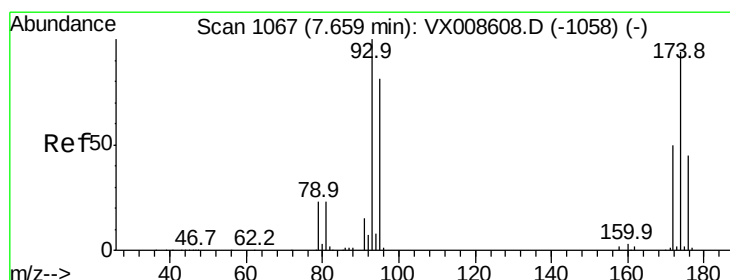
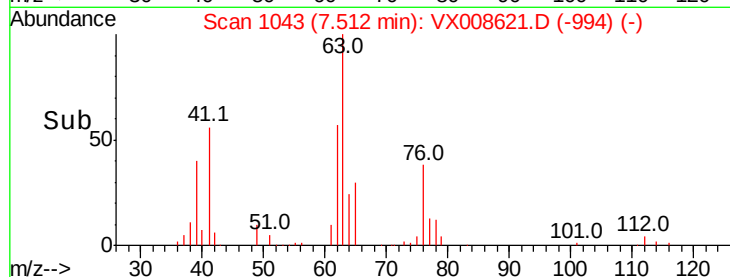
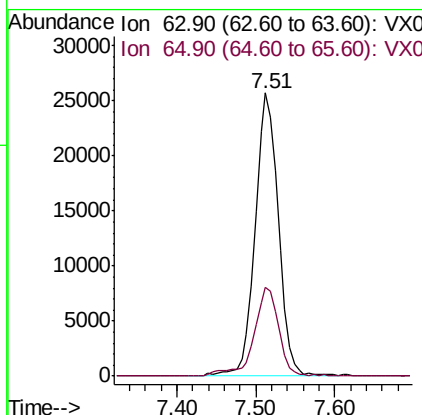
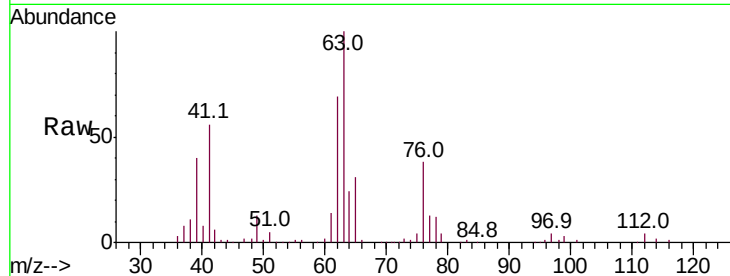
#45
 1,2-Dichloropropane
 Concen: 18.213 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. -0.00 min
 Lab File: VX008621.D
 Acq: 03 Apr 2019 18:30

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0403WBSD01

Tot Ion: 63 Resp: 52735
 Ion Ratio Lower Upper
 63 100
 65 31.5 24.2 36.4

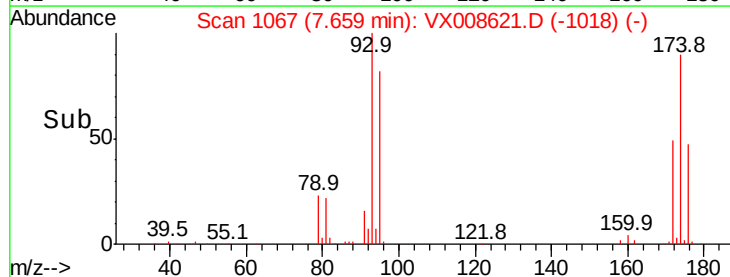
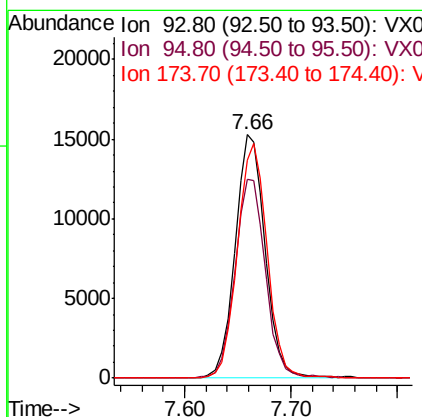
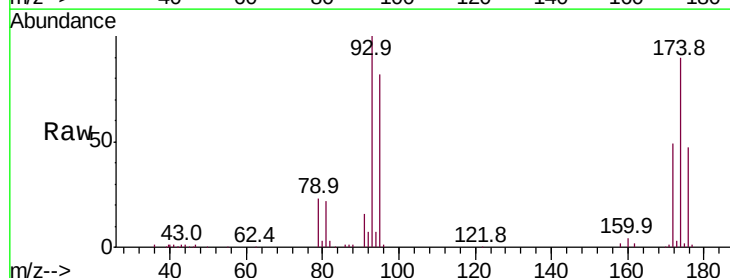
Manual Integrations
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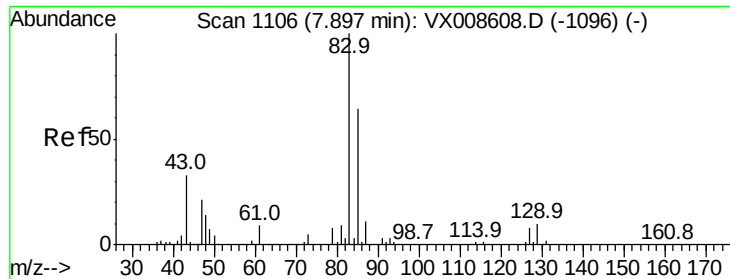
MMDadoda
 4/4/2019 3:37:22 PM



#46
 Dibromomethane
 Concen: 17.959 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. -0.00 min
 Lab File: VX008621.D
 Acq: 03 Apr 2019 18:30

Tgt Ion: 93 Resp: 30159
 Ion Ratio Lower Upper
 93 100
 95 83.9 66.6 99.8
 174 96.0 77.7 116.5





#47

Bromodichloromethane

Concen: 18.253 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX008621.D

Acq: 03 Apr 2019 18:30

Instrument :

MSVOA_X

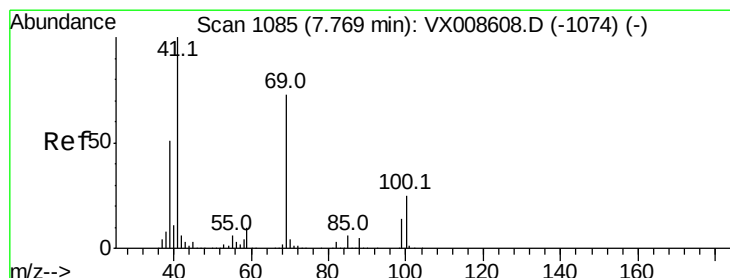
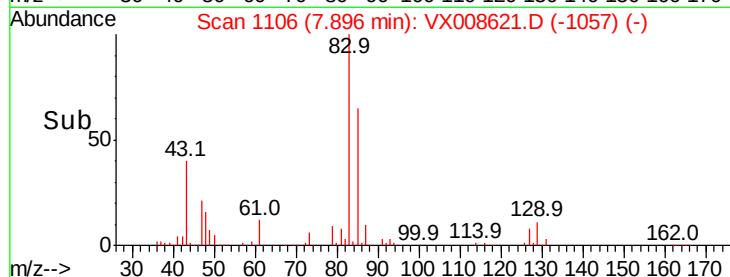
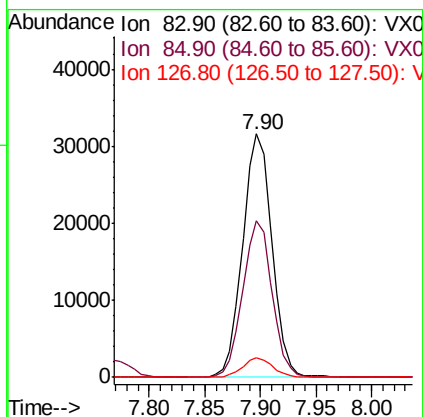
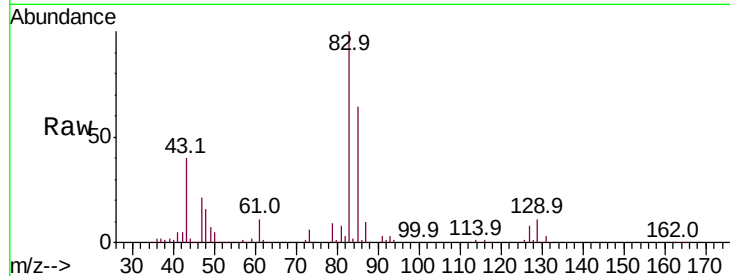
ClientSampleId :

VX0403WBSD01

Tot Ion:	83	Resp:	57793
Ion	Ratio	Lower	Upper
83	100		
85	64.5	51.2	76.8
127	7.9	6.6	10.0

Manual Integrations
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4/4/2019 3:37:22 PM



#48

Methyl methacrylate

Concen: 18.762 ug/l

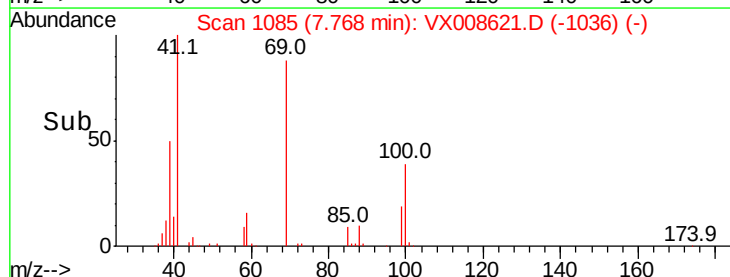
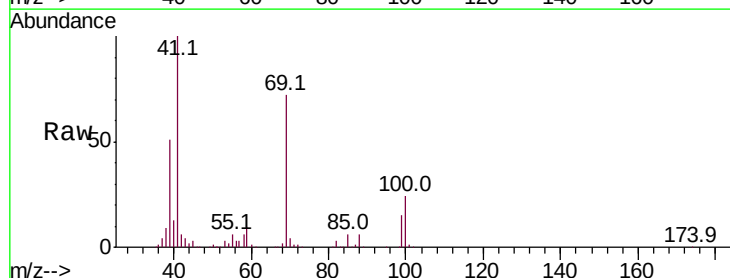
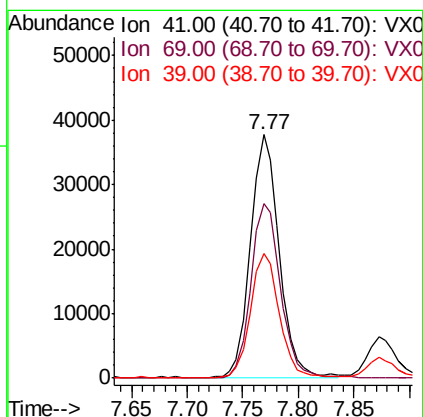
RT: 7.77 min Scan# 1085

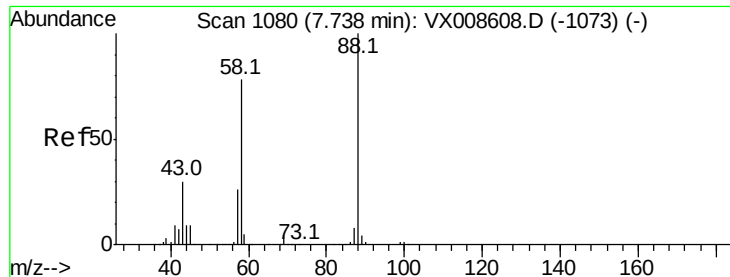
Delta R.T. -0.00 min

Lab File: VX008621.D

Acq: 03 Apr 2019 18:30

Tgt Ion:	41	Resp:	67572
Ion	Ratio	Lower	Upper
41	100		
69	74.7	59.0	88.4
39	51.7	41.0	61.4





#49

1,4-Dioxane

Concen: 399.654 ug/l

RT: 7.74 min Scan# 1080

Delta R.T. -0.00 min

Lab File: VX008621.D

Acq: 03 Apr 2019 18:30

Instrument :

MSVOA_X

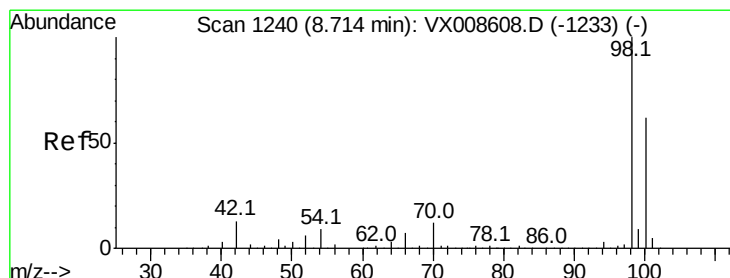
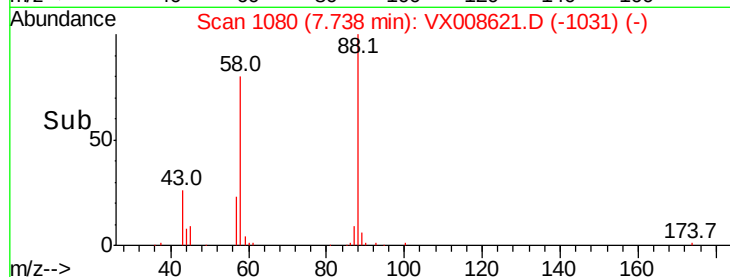
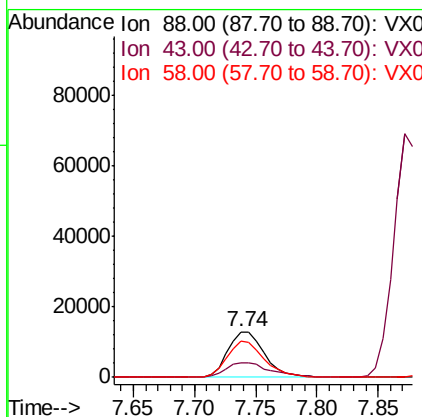
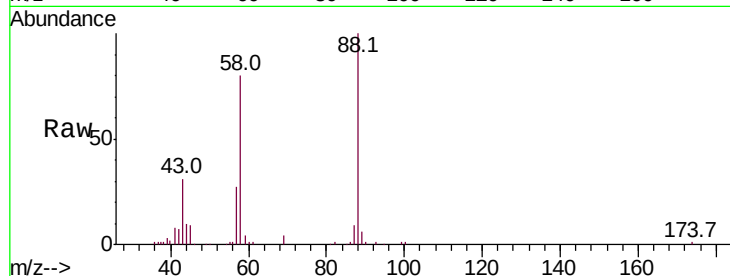
ClientSampleId :

VX0403WBSD01

Tot Ion:	88	Resp:	26964
Ion	Ratio	Lower	Upper
88	100		
43	37.1	28.6	43.0
58	81.3	62.2	93.2

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#50

Toluene-d8

Concen: 51.496 ug/l

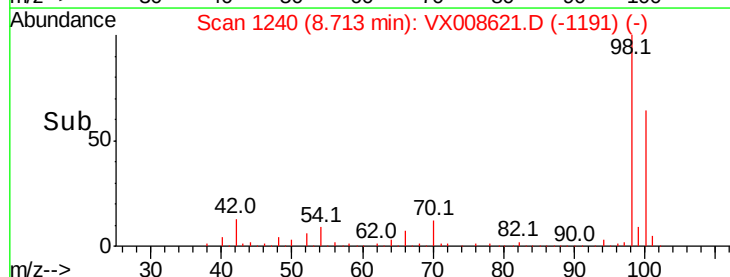
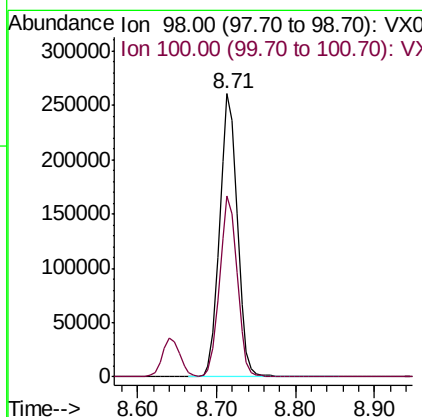
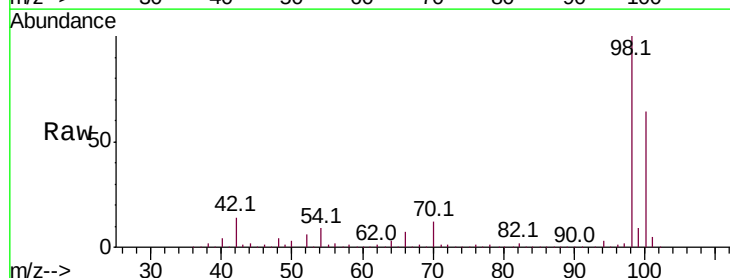
RT: 8.71 min Scan# 1240

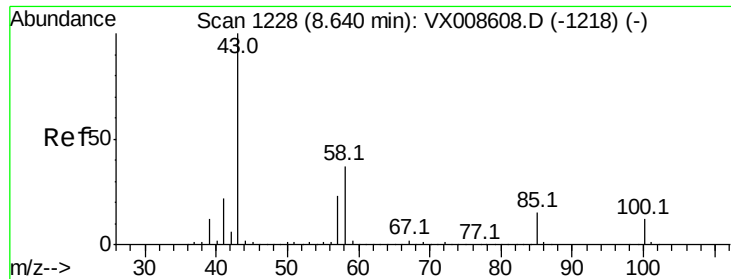
Delta R.T. -0.00 min

Lab File: VX008621.D

Acq: 03 Apr 2019 18:30

Tgt Ion:	98	Resp:	408379
Ion	Ratio	Lower	Upper
98	100		
100	63.7	51.4	77.0





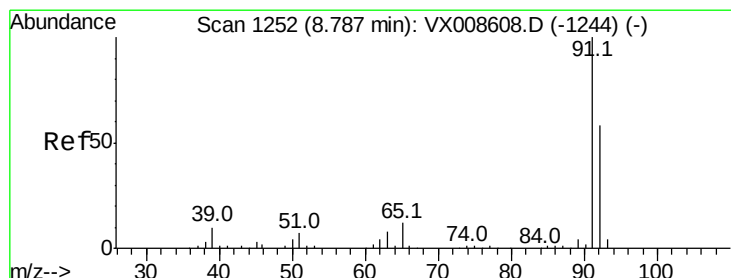
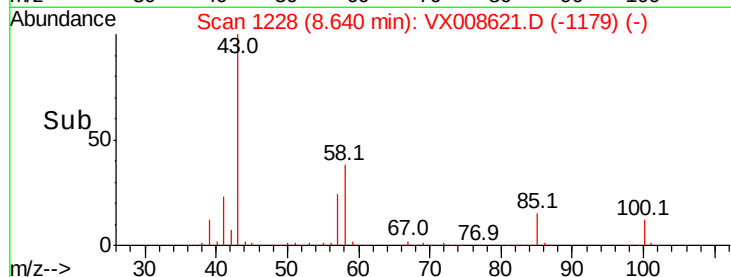
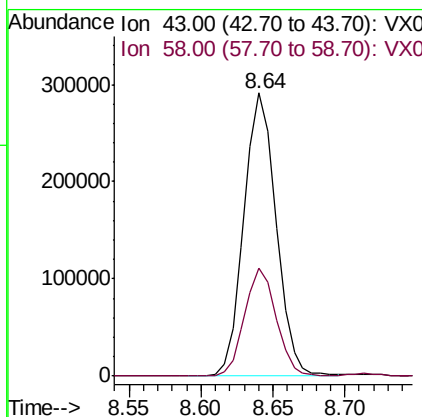
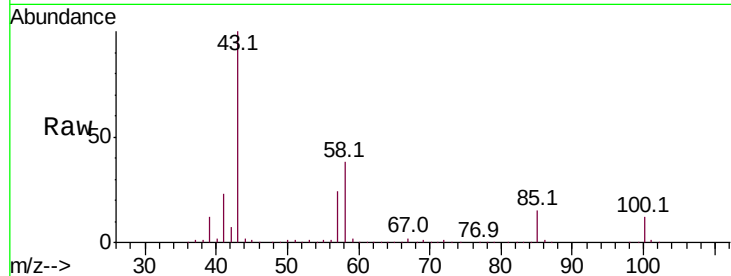
#51
4-Methyl-2-Pentanone
Concen: 98.603 ug/l
RT: 8.64 min Scan# 1228
Delta R.T. -0.00 min
Lab File: VX008621.D
Acq: 03 Apr 2019 18:30

Instrument :
MSVOA_X
ClientSampleId :
VX0403WBSD01

Tot Ion: 43 Resp: 451933
Ion Ratio Lower Upper
43 100
58 37.3 29.5 44.3

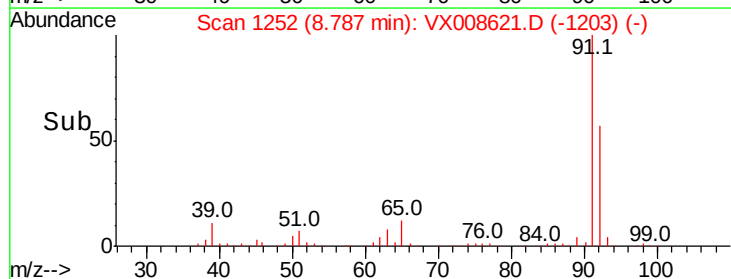
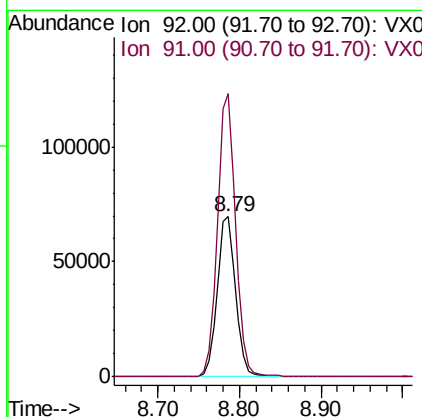
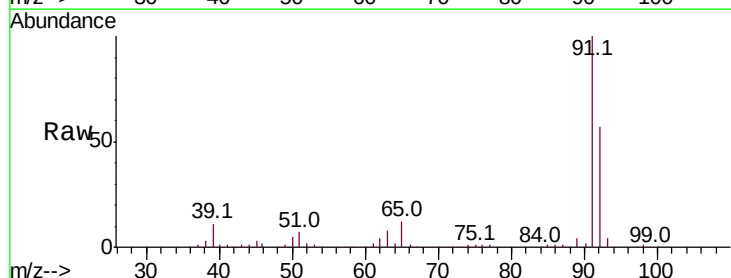
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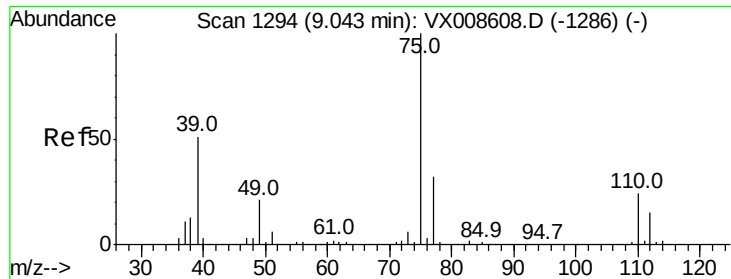
MMDadoda
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#52
Toluene
Concen: 18.608 ug/l
RT: 8.79 min Scan# 1252
Delta R.T. -0.00 min
Lab File: VX008621.D
Acq: 03 Apr 2019 18:30

Tgt Ion: 92 Resp: 111284
Ion Ratio Lower Upper
92 100
91 174.1 138.5 207.7





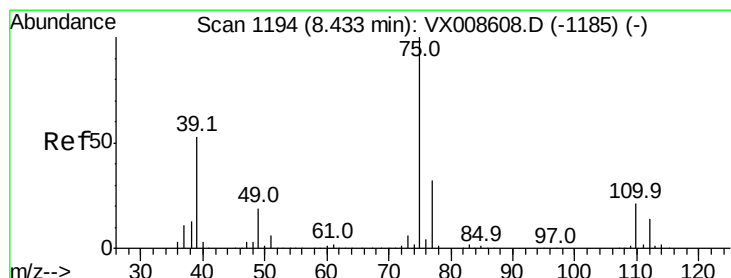
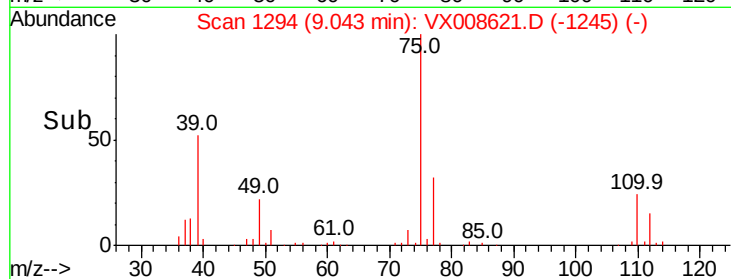
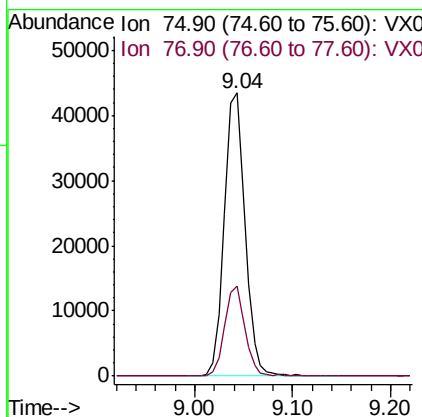
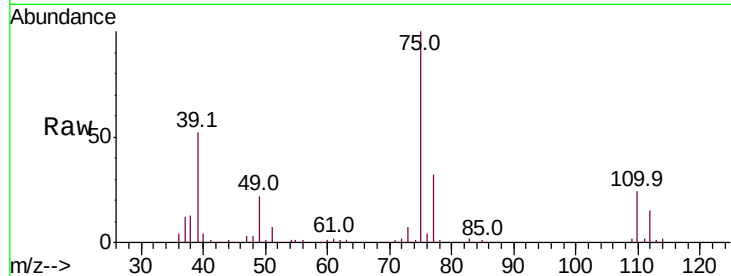
#53
 t-1,3-Dichloropropene
 Concen: 18.157 ug/l
 RT: 9.04 min Scan# 1294
 Delta R.T. -0.00 min
 Lab File: VX008621.D
 Acq: 03 Apr 2019 18:30

Instrument :
 MSVOA_X
 ClientSampleID :
 VX0403WBSD01

Tot Ion: 75 Resp: 64398
 Ion Ratio Lower Upper
 75 100
 77 31.8 25.2 37.8

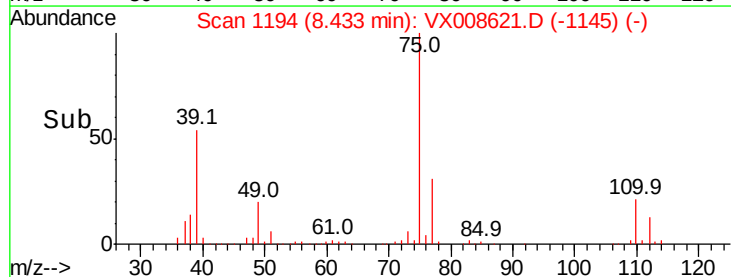
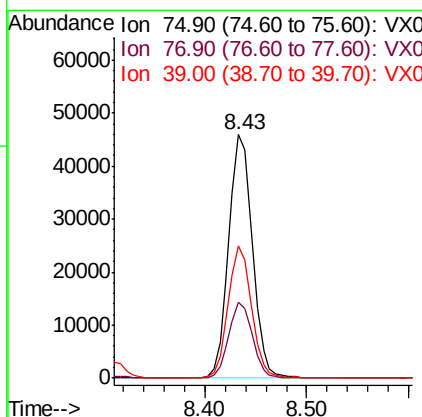
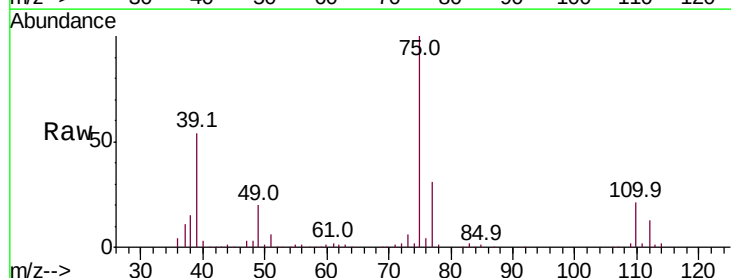
Manual Integrations
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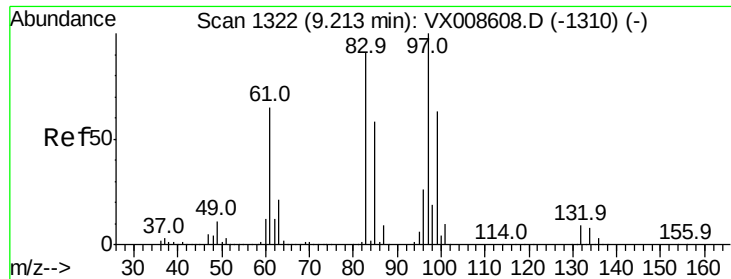
MMDadoda
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#54
 cis-1,3-Dichloropropene
 Concen: 18.213 ug/l
 RT: 8.43 min Scan# 1194
 Delta R.T. -0.00 min
 Lab File: VX008621.D
 Acq: 03 Apr 2019 18:30

Tgt Ion: 75 Resp: 73812
 Ion Ratio Lower Upper
 75 100
 77 31.4 25.3 37.9
 39 54.0 42.6 63.8





#55

1,1,2-Trichloroethane

Concen: 18.880 ug/l

RT: 9.21 min Scan# 1322

Delta R.T. -0.00 min

Lab File: VX008621.D

Acq: 03 Apr 2019 18:30

Instrument :

MSVOA_X

ClientSampleId :

VX0403WBSD01

Tot Ion: 97 Resp: 45323

Ion Ratio Lower Upper

97 100

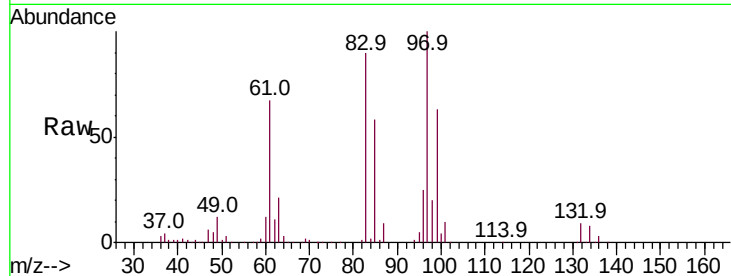
83 90.4 73.2 109.8

85 57.9 46.6 69.8

99 63.2 50.1 75.1

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4/4/2019 3:37:22 PM



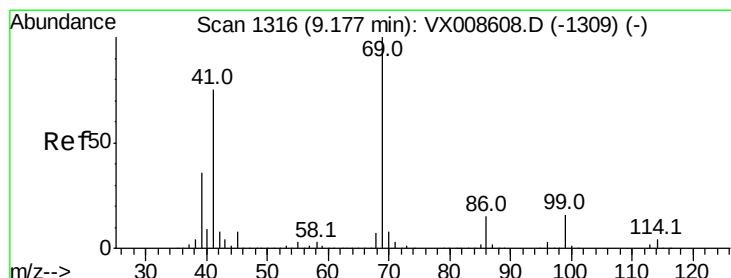
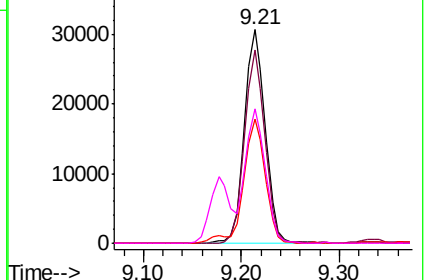
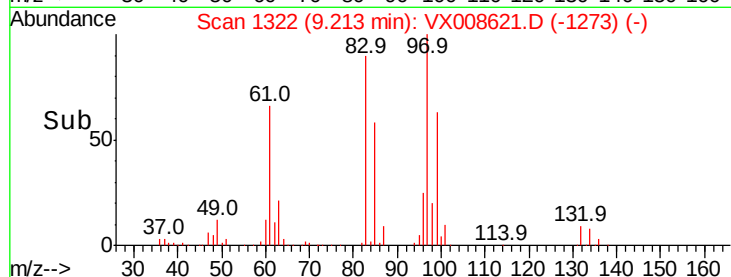
Abundance

Ion 96.90 (96.60 to 97.60): VX0

Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 98.90 (98.60 to 99.60): VX0



#56

Ethyl methacrylate

Concen: 19.034 ug/l

RT: 9.18 min Scan# 1316

Delta R.T. -0.00 min

Lab File: VX008621.D

Acq: 03 Apr 2019 18:30

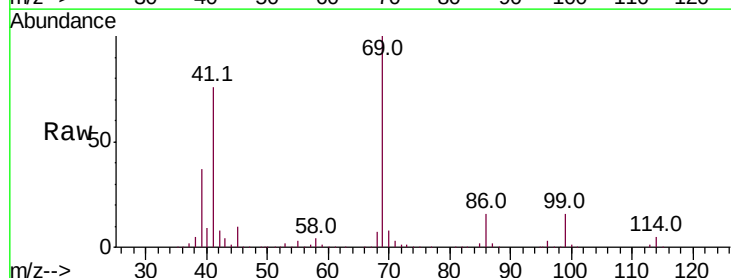
Tgt Ion: 69 Resp: 82674

Ion Ratio Lower Upper

69 100

41 75.5 60.1 90.1

39 36.0 28.9 43.3

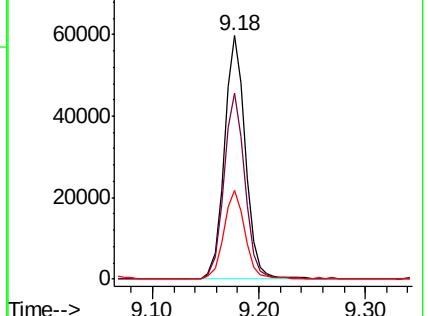
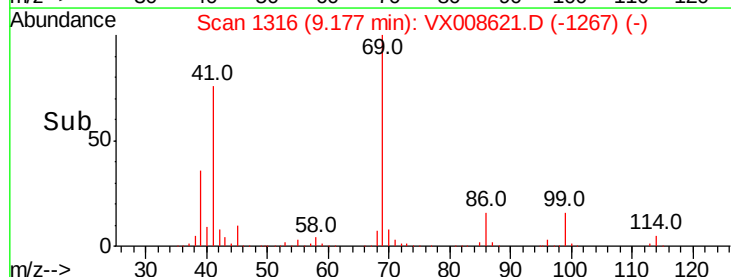


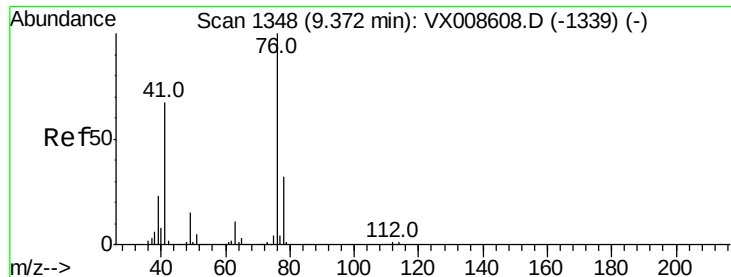
Abundance

Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





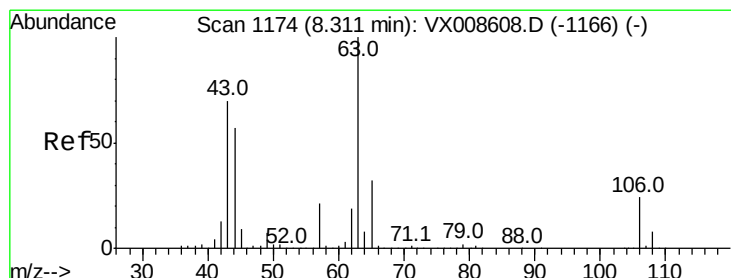
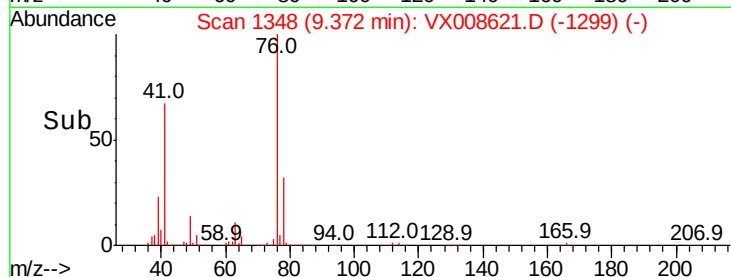
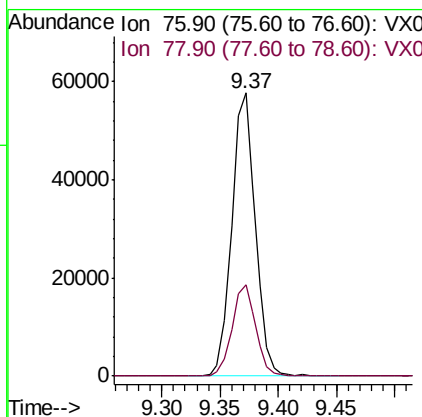
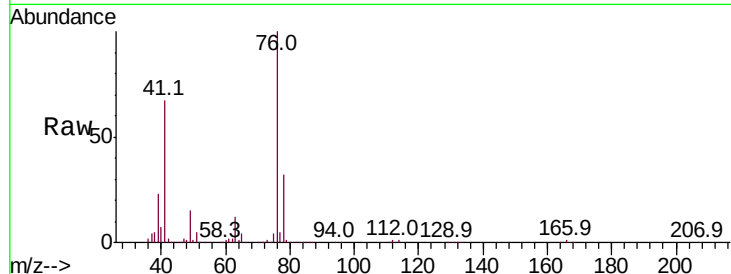
#57
 1,3-Dichloropropane
 Concen: 18.891 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. -0.00 min
 Lab File: VX008621.D
 Acq: 03 Apr 2019 18:30

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0403WBSD01

Tot Ion: 76 Resp: 81434
 Ion Ratio Lower Upper
 76 100
 78 32.5 25.6 38.4

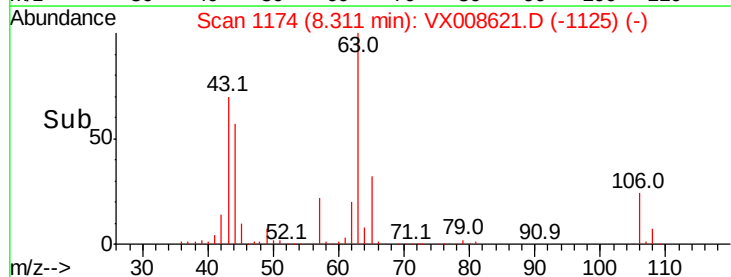
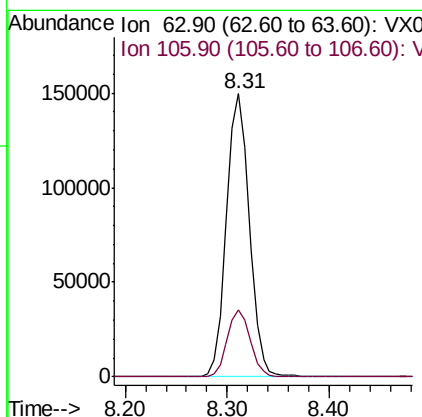
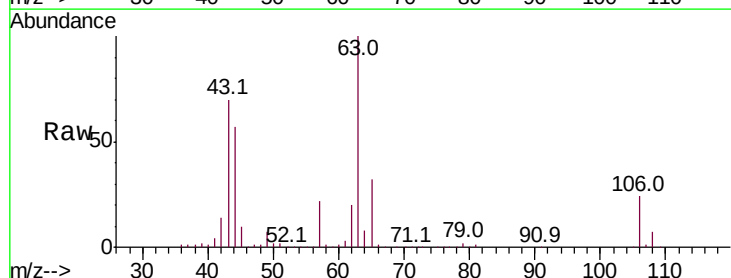
Manual Integrations
 APPROVED

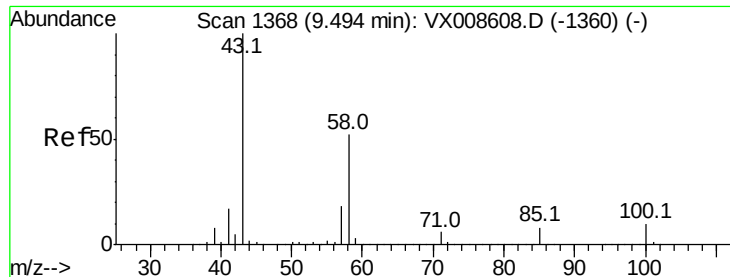
MMDadoda
 4/4/2019 3:37:22 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 104.882 ug/l
 RT: 8.31 min Scan# 1174
 Delta R.T. -0.00 min
 Lab File: VX008621.D
 Acq: 03 Apr 2019 18:30

Tgt Ion: 63 Resp: 232615
 Ion Ratio Lower Upper
 63 100
 106 23.7 19.0 28.6





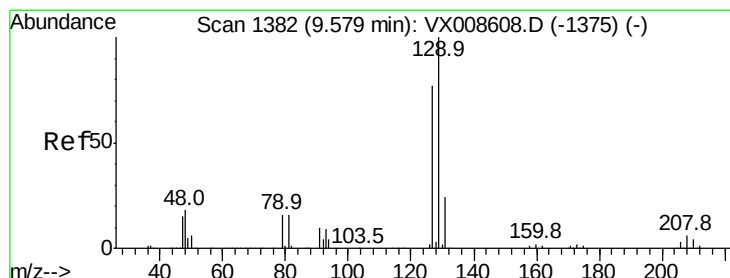
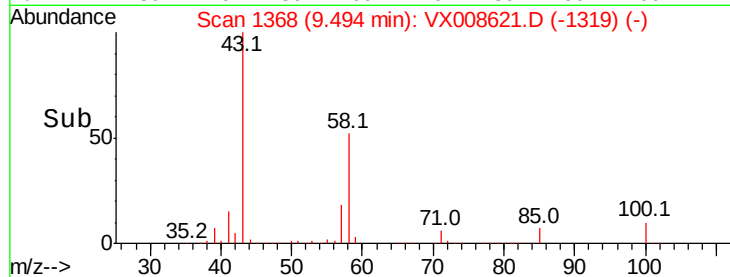
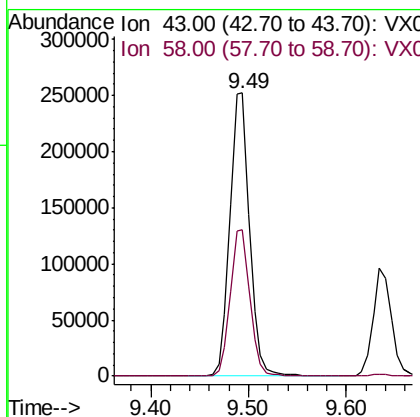
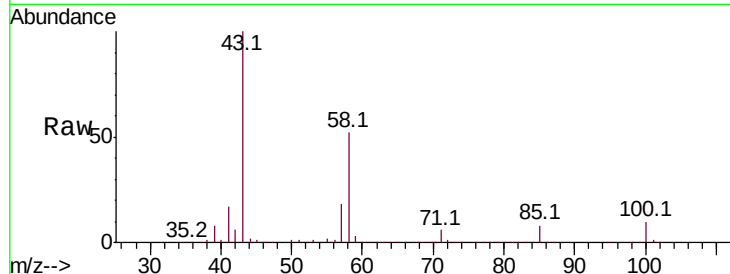
#59
2-Hexanone
Concen: 98.956 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. -0.00 min
Lab File: VX008621.D
Acq: 03 Apr 2019 18:30

Instrument :
MSVOA_X
ClientSampleId :
VX0403WBSD01

Tot Ion: 43 Resp: 352474
Ion Ratio Lower Upper
43 100
58 52.1 25.9 77.7

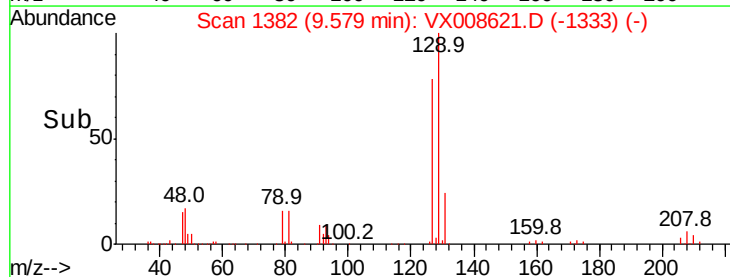
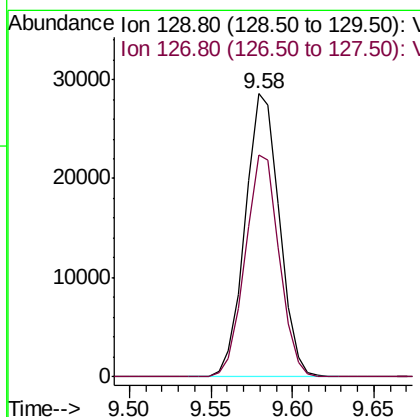
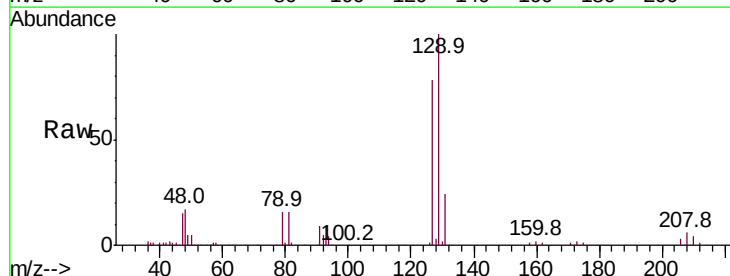
Manual Integrations
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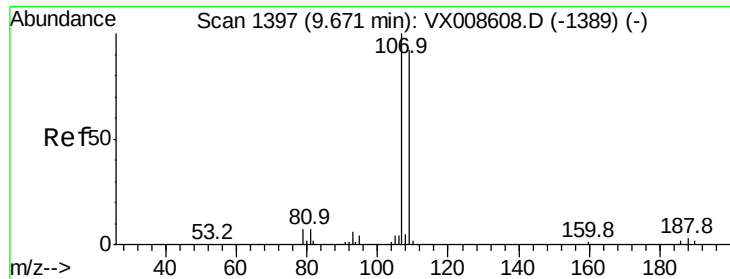
MMDadoda
4/4/2019 3:37:22 PM



#60
Dibromochloromethane
Concen: 18.493 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VX008621.D
Acq: 03 Apr 2019 18:30

Tgt Ion: 129 Resp: 41835
Ion Ratio Lower Upper
129 100
127 78.1 38.5 115.3





#61

1,2-Dibromoethane

Concen: 18.650 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX008621.D

Acq: 03 Apr 2019 18:30

Instrument :

MSVOA_X

ClientSampleId :

VX0403WBSD01

Tot Ion:107 Resp: 46610

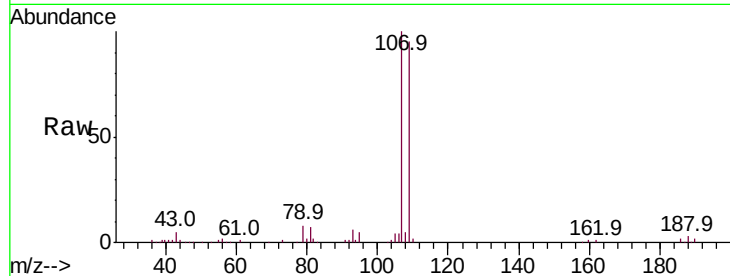
Ion Ratio Lower Upper

107 100

109 93.6 74.1 111.1

Manual Integrations
APPROVED

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.67

30000

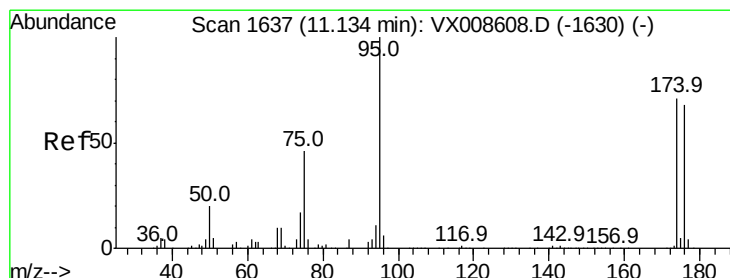
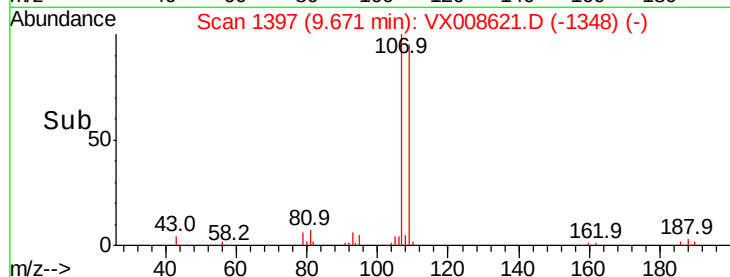
20000

10000

0

9.60 9.65 9.70 9.75

Time-->



#62

4-Bromofluorobenzene

Concen: 51.873 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX008621.D

Acq: 03 Apr 2019 18:30

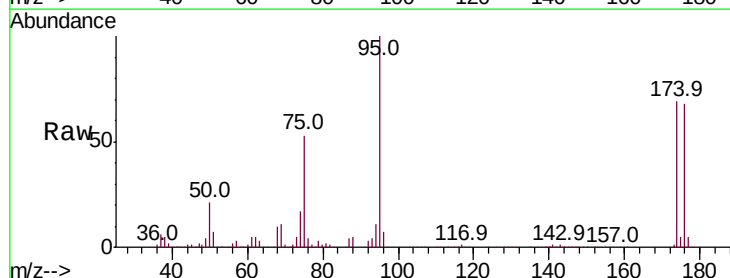
Tgt Ion: 95 Resp: 145878

Ion Ratio Lower Upper

95 100

174 75.8 0.0 151.8

176 74.7 0.0 145.8



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

11.13

150000

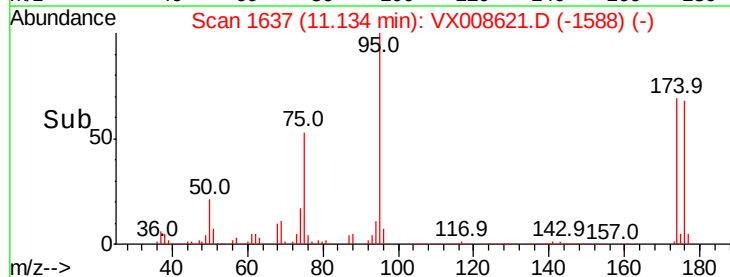
100000

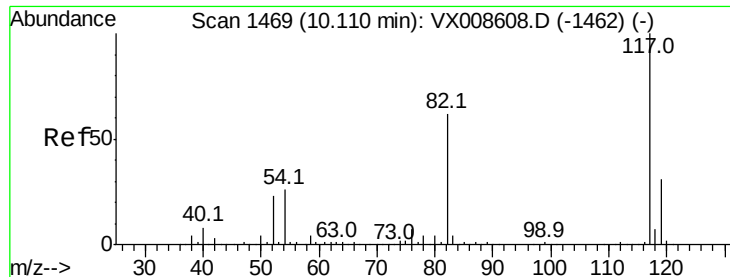
50000

0

11.10 11.20

Time-->





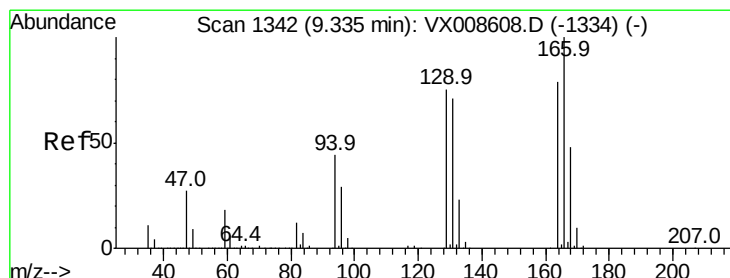
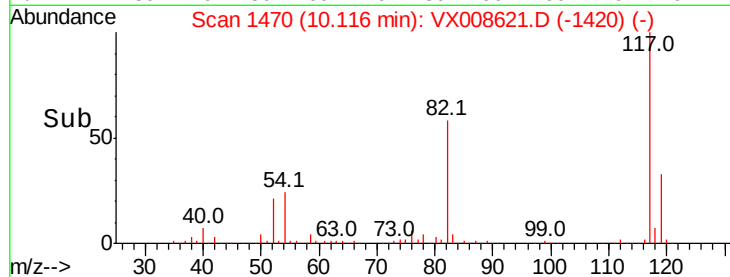
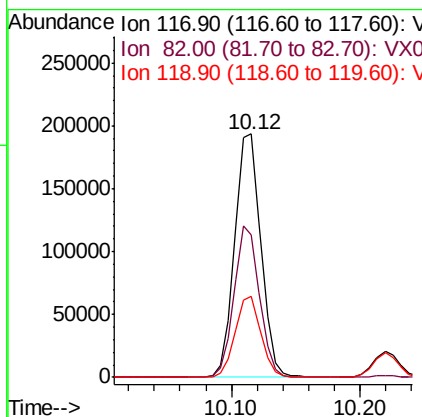
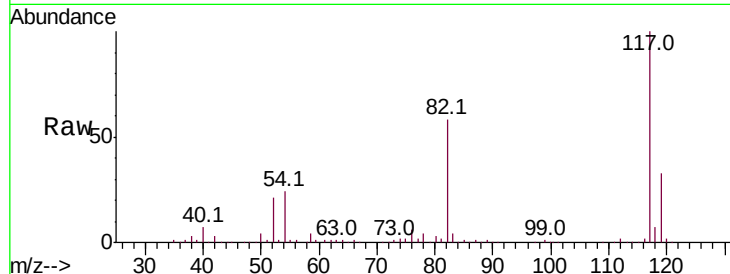
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VX008621.D
Acq: 03 Apr 2019 18:30

Instrument :
MSVOA_X
ClientSampleId :
VX0403WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	58.4	49.6	74.4
119	33.1	25.0	37.4

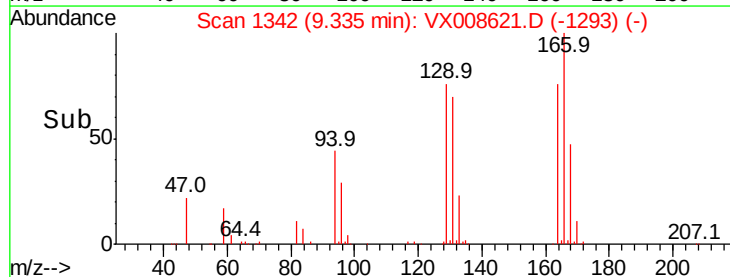
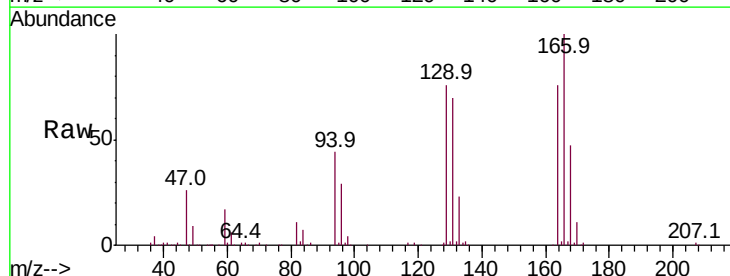
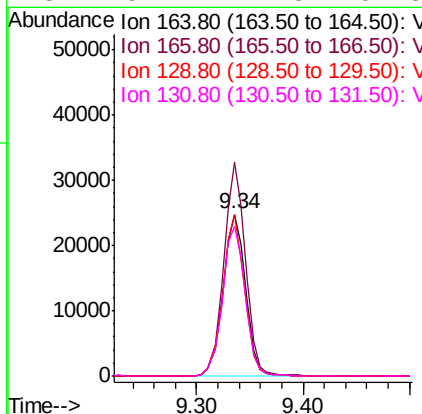
Manual Integrations
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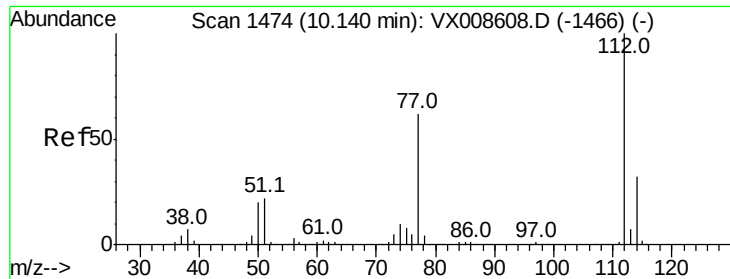
MMDadoda
4/4/2019 3:37:22 PM



#64
Tetrachloroethene
Concen: 17.945 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX008621.D
Acq: 03 Apr 2019 18:30

Tgt Ion	Ratio	Lower	Upper
164	100		
166	132.4	101.0	151.6
129	100.4	75.8	113.8
131	92.7	71.8	107.8





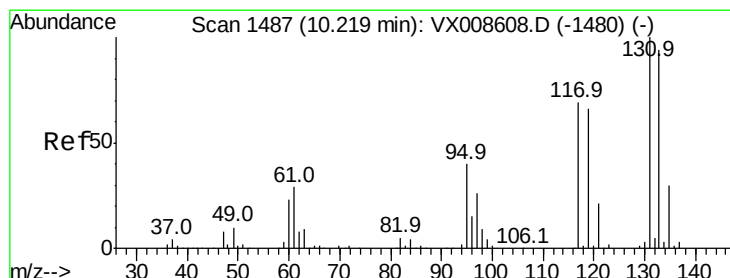
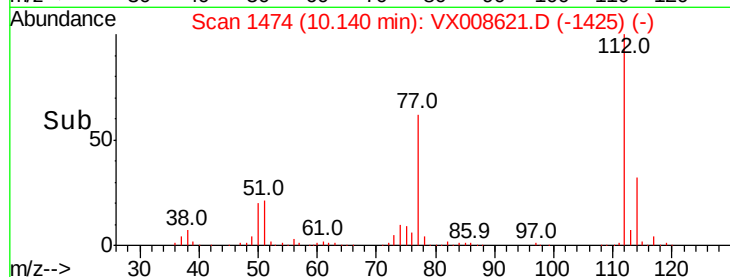
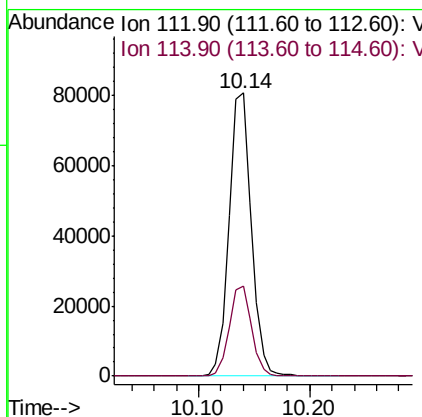
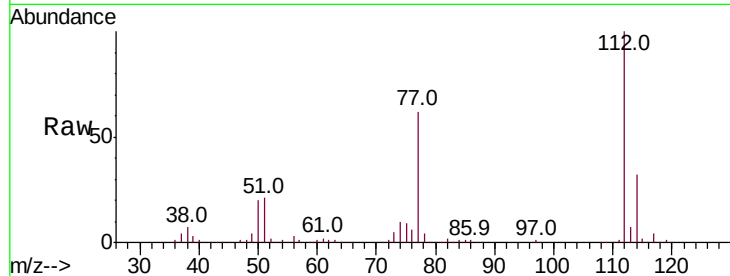
#65
Chlorobenzene
Concen: 18.288 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. -0.00 min
Lab File: VX008621.D
Acq: 03 Apr 2019 18:30

Instrument :
MSVOA_X
ClientSampleId :
VX0403WBSD01

Tot Ion:112 Resp: 111534
Ion Ratio Lower Upper
112 100
114 32.0 25.8 38.8

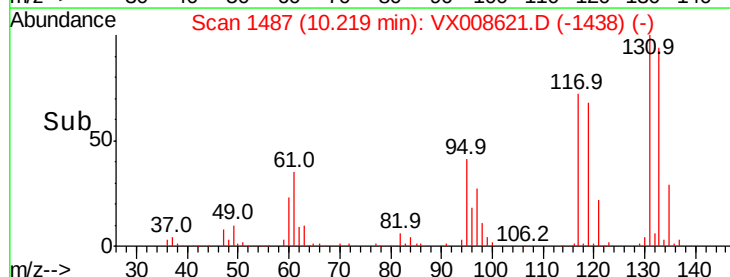
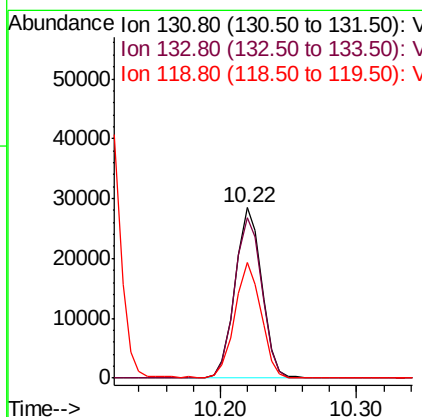
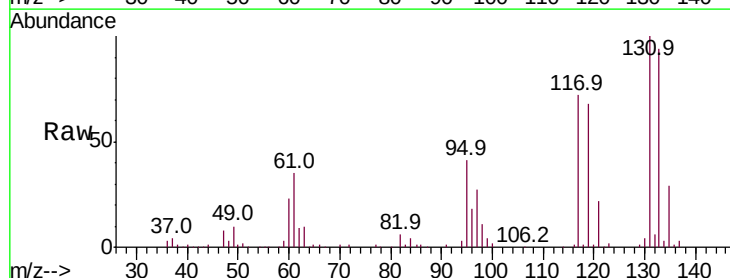
Manual Integrations
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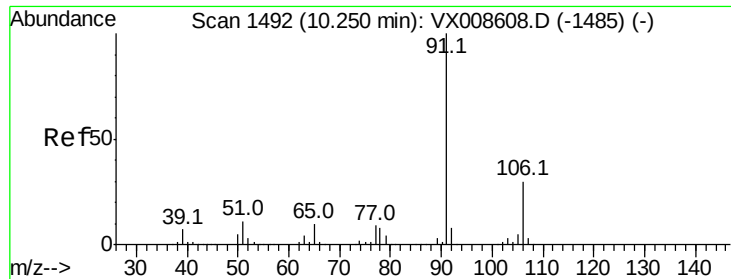
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 18.190 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VX008621.D
Acq: 03 Apr 2019 18:30

Tgt Ion:131 Resp: 38919
Ion Ratio Lower Upper
131 100
133 96.3 47.0 141.2
119 66.6 33.7 101.0





#67

Ethyl Benzene

Concen: 18.560 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX008621.D

Acq: 03 Apr 2019 18:30

Instrument :

MSVOA_X

ClientSampleId :

VX0403WBSD01

Tot Ion: 91 Resp: 211071

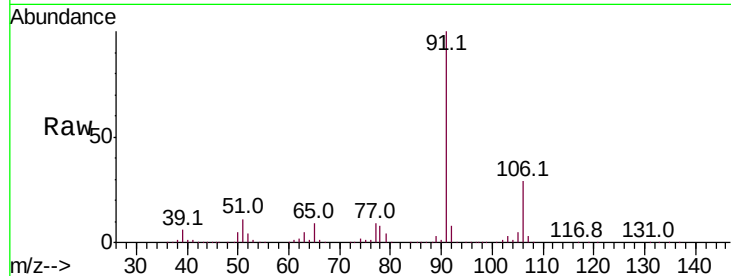
Ion Ratio Lower Upper

91 100

106 29.3 23.7 35.5

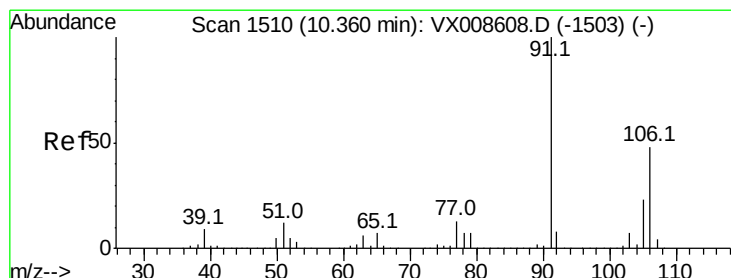
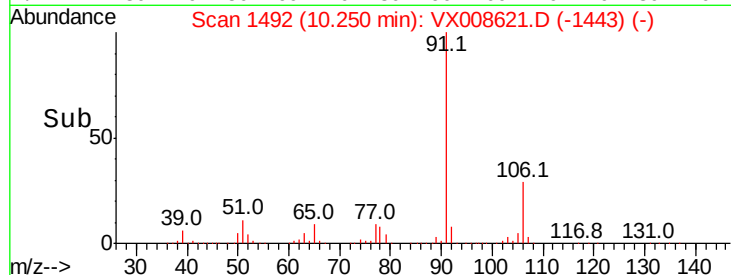
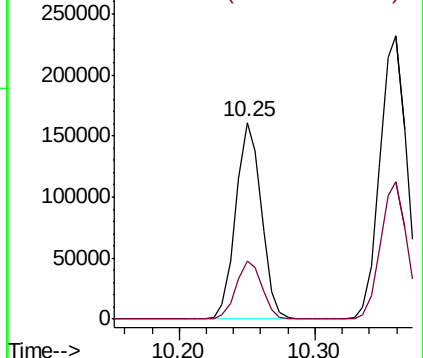
Manual Integrations
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Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 37.235 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX008621.D

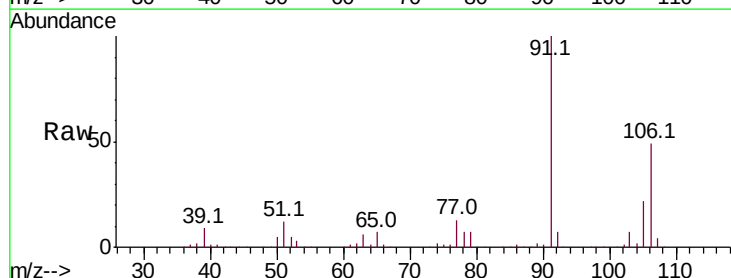
Acq: 03 Apr 2019 18:30

Tgt Ion: 106 Resp: 152253

Ion Ratio Lower Upper

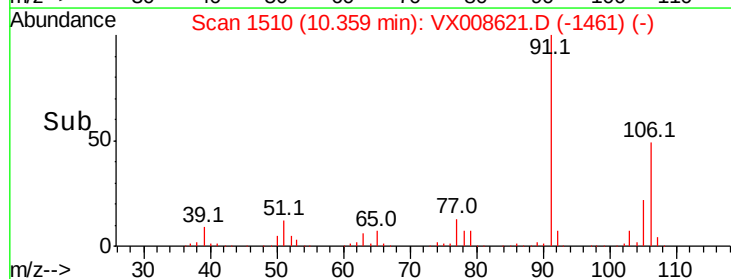
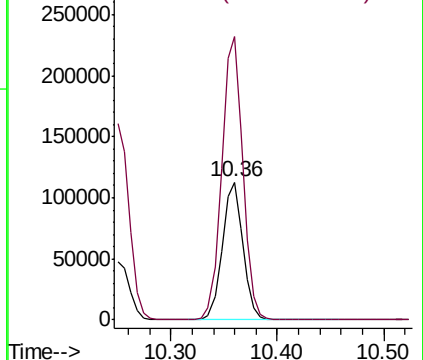
106 100

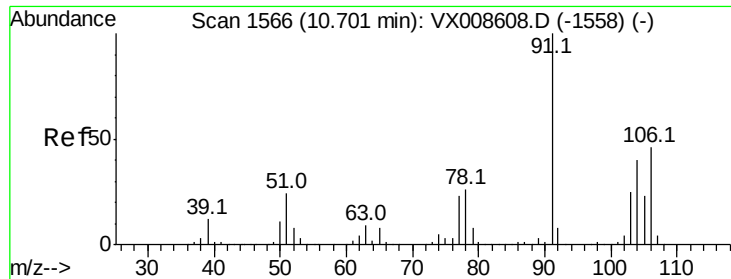
91 210.0 168.5 252.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0





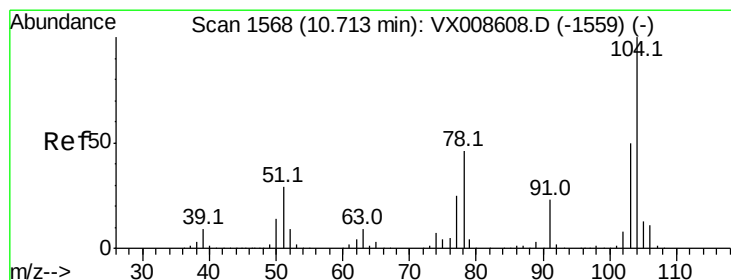
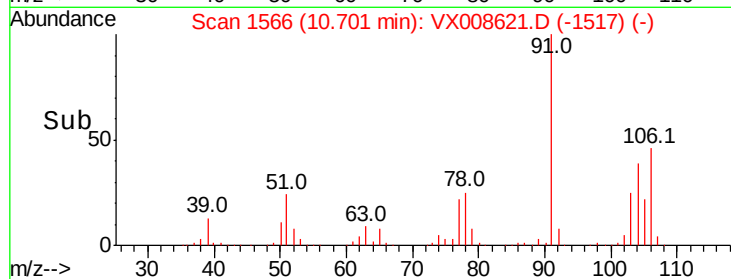
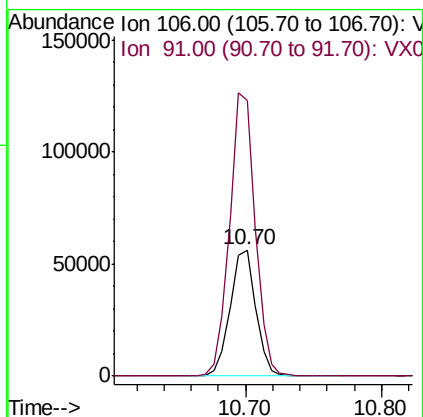
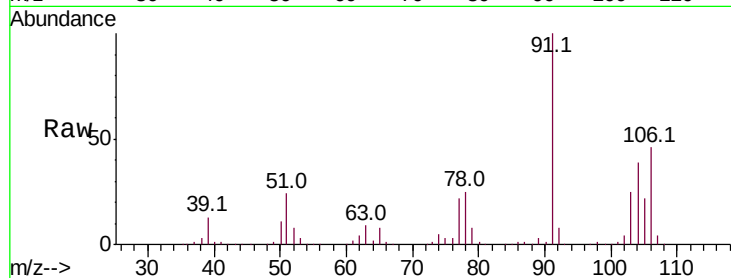
#69
o-Xylene
Concen: 18.683 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX008621.D
Acq: 03 Apr 2019 18:30

Instrument :
MSVOA_X
ClientSampleId :
VX0403WBSD01

Tot Ion:106 Resp: 74033
Ion Ratio Lower Upper
106 100
91 224.0 111.5 334.4

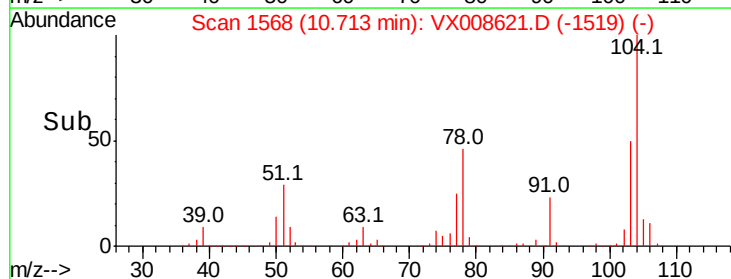
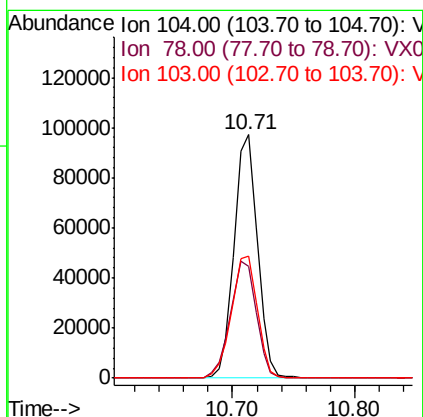
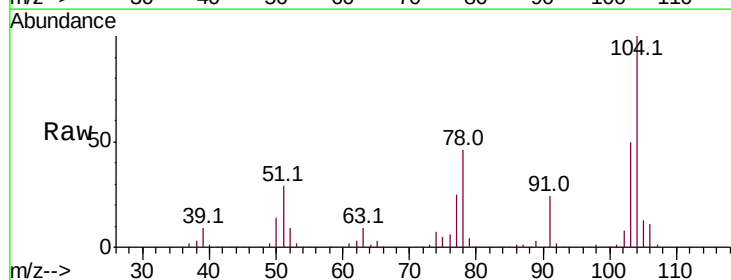
Manual Integrations
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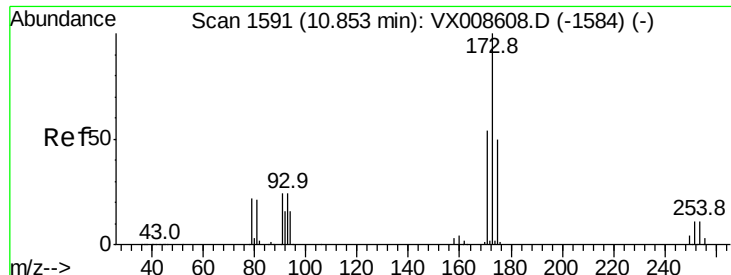
MMDadoda
4/4/2019 3:37:22 PM



#70
Styrene
Concen: 18.771 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX008621.D
Acq: 03 Apr 2019 18:30

Tgt Ion:104 Resp: 128215
Ion Ratio Lower Upper
104 100
78 53.5 42.3 63.5
103 55.8 44.4 66.6





#71

Bromoform

Concen: 18.295 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. -0.00 min

Lab File: VX008621.D

Acq: 03 Apr 2019 18:30

Instrument :

MSVOA_X

ClientSampleId :

VX0403WBSD01

Tot Ion:173 Resp: 29896

Ion Ratio Lower Upper

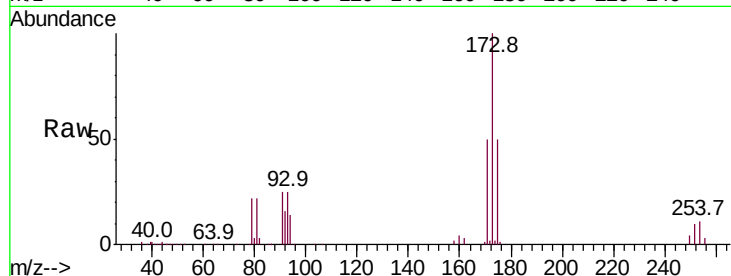
173 100

175 49.4 24.9 74.6

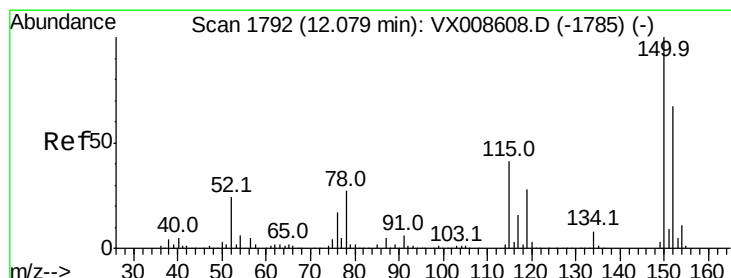
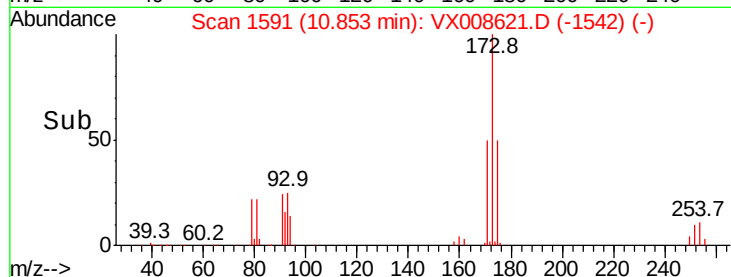
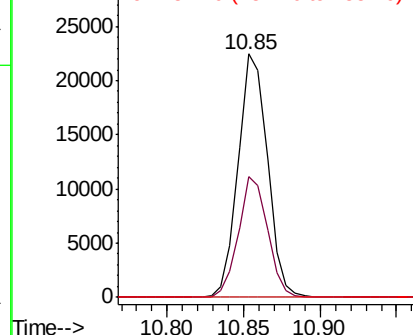
254 0.0 0.1 0.1#

Manual Integrations
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX008621.D

Acq: 03 Apr 2019 18:30

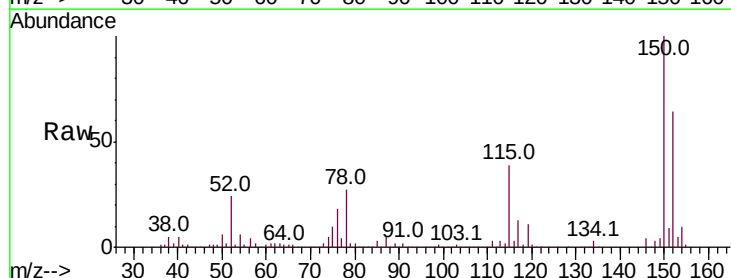
Tgt Ion:152 Resp: 124749

Ion Ratio Lower Upper

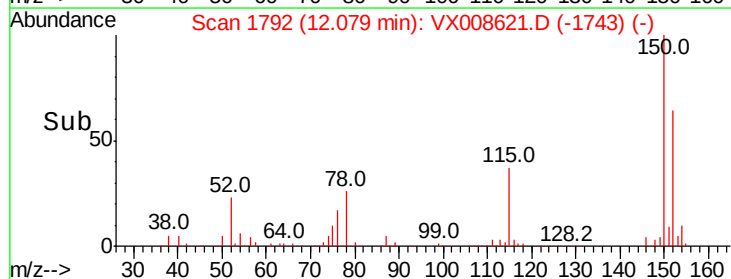
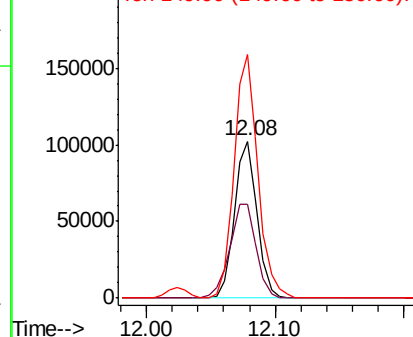
152 100

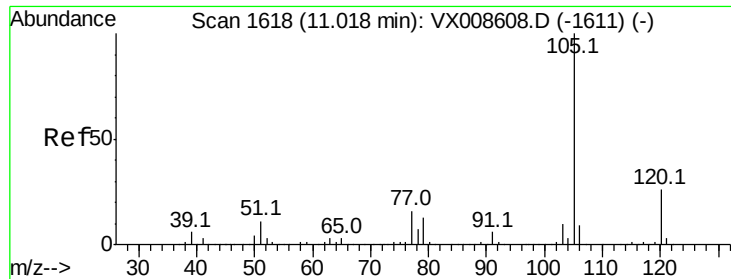
115 70.6 43.5 130.5

150 163.7 0.0 348.8



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





#73

Isopropylbenzene

Concen: 19.306 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX008621.D

Acq: 03 Apr 2019 18:30

Instrument :

MSVOA_X

ClientSampleId :

VX0403WBSD01

Tot Ion: 105 Resp: 199593

Ion Ratio Lower Upper

105 100

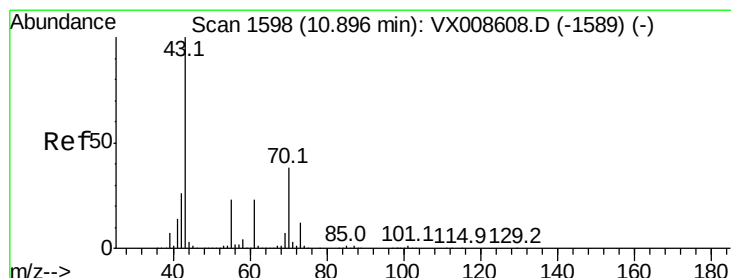
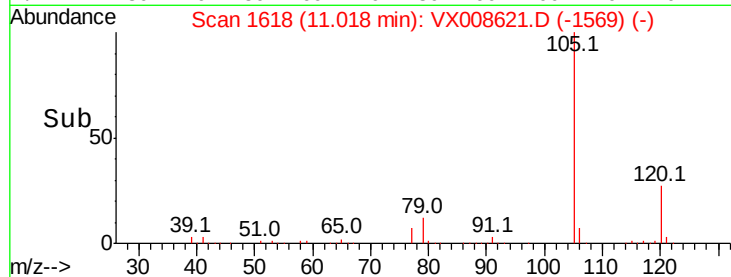
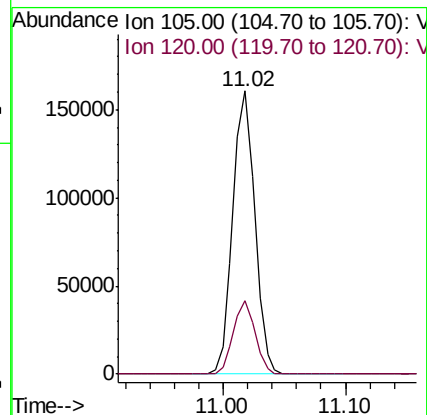
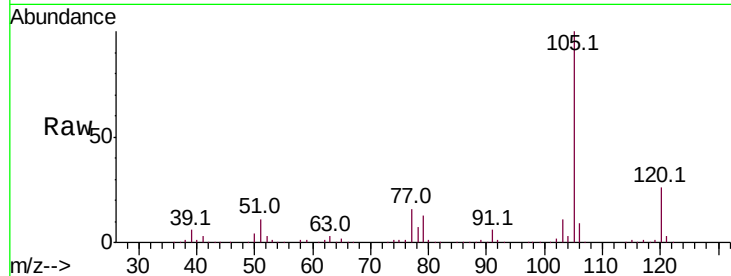
120 25.7 12.9 38.6

Manual Integrations

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#74

N-ethyl acetate

Concen: 19.522 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX008621.D

Acq: 03 Apr 2019 18:30

Tgt Ion: 43 Resp: 118745

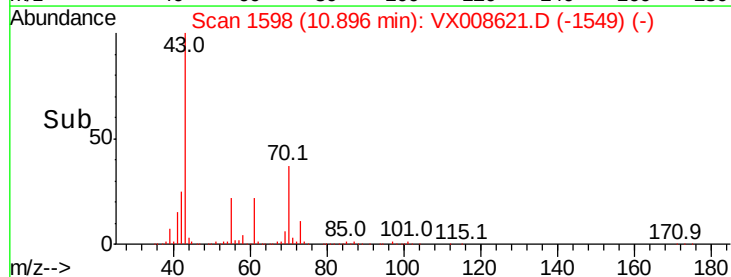
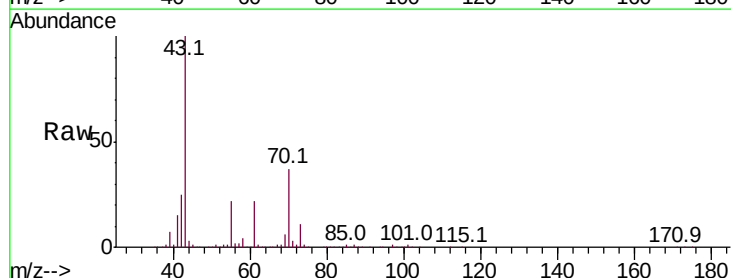
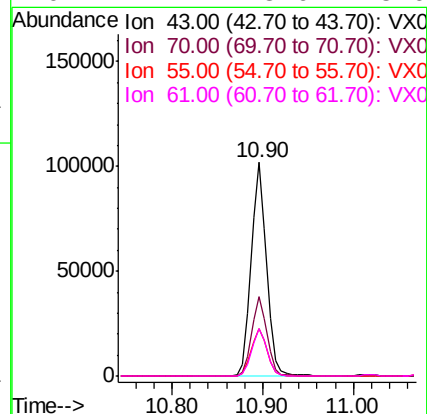
Ion Ratio Lower Upper

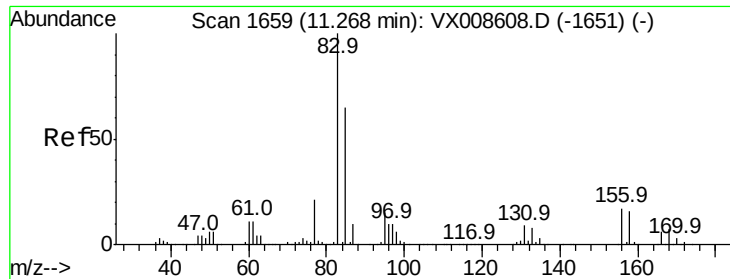
43 100

70 37.5 30.2 45.4

55 22.9 18.2 27.4

61 22.4 18.6 28.0





#75

1,1,2,2-Tetrachloroethane

Concen: 19.478 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX008621.D

Acq: 03 Apr 2019 18:30

Instrument :

MSVOA_X

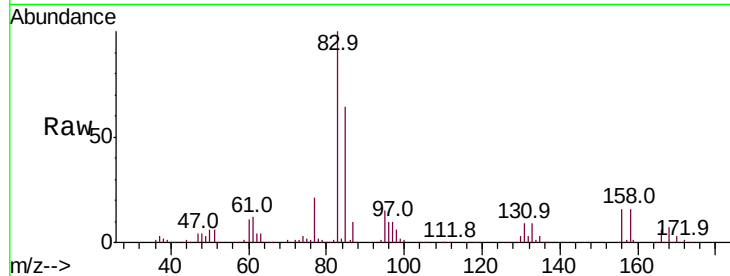
ClientSampleId :

VX0403WBSD01

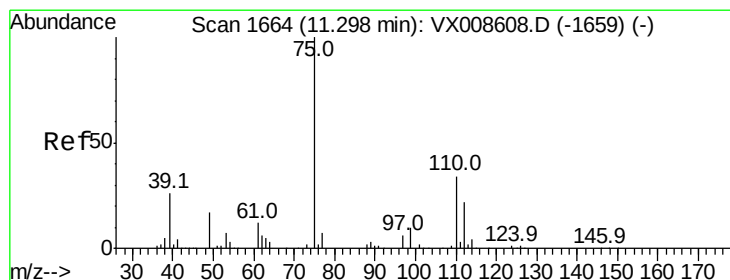
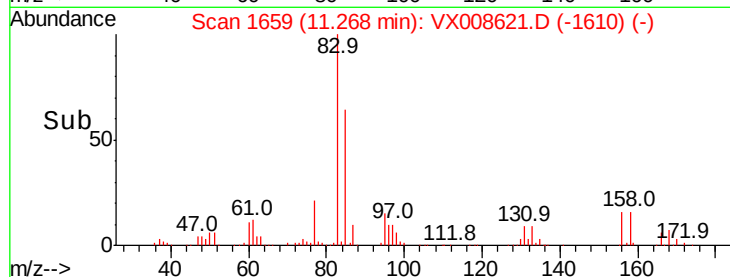
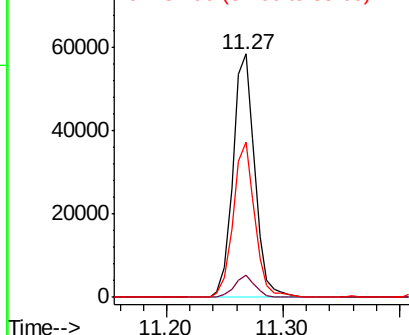
Tot Ion:	83	Resp:	76586
Ion	Ratio	Lower	Upper
83	100		
131	8.7	4.5	13.7
85	63.0	32.0	96.2

Manual Integrations
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4/4/2019 3:37:22 PM



Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 130.80 (130.50 to 131.50): V
Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 19.055 ug/l m

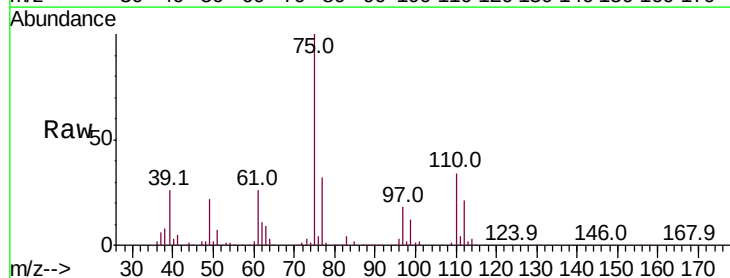
RT: 11.29 min Scan# 1663

Delta R.T. -0.01 min

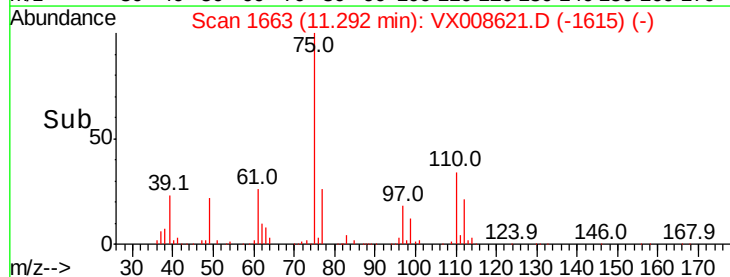
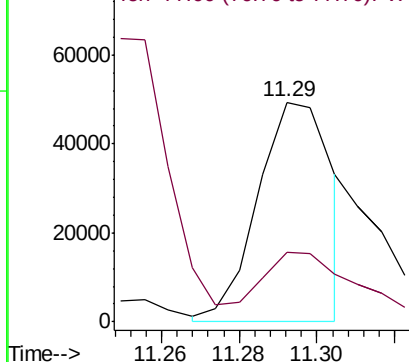
Lab File: VX008621.D

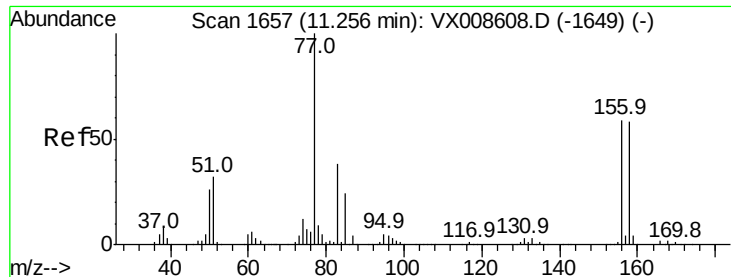
Acq: 03 Apr 2019 18:30

Tgt Ion:	75	Resp:	65302
Ion	Ratio	Lower	Upper
75	100		
77	42.3	22.3	66.8



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 19.057 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX008621.D

Acq: 03 Apr 2019 18:30

Instrument :

MSVOA_X

ClientSampleId :

VX0403WBSD01

Tot Ion:156 Resp: 47363

Ion Ratio Lower Upper

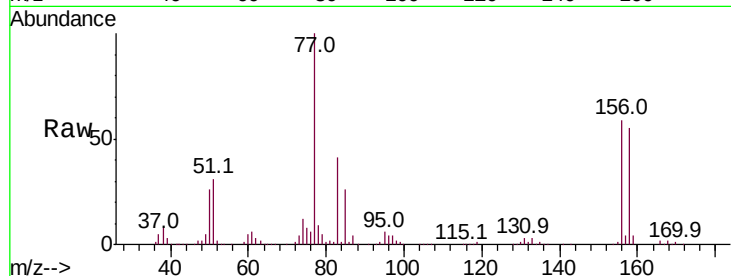
156 100

77 178.7 89.8 269.6

158 95.4 48.6 145.9

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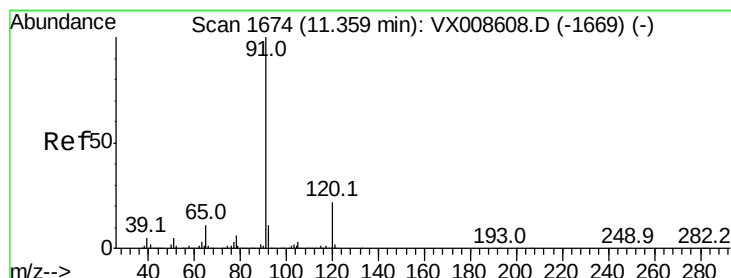
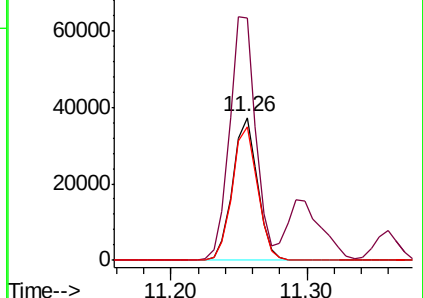
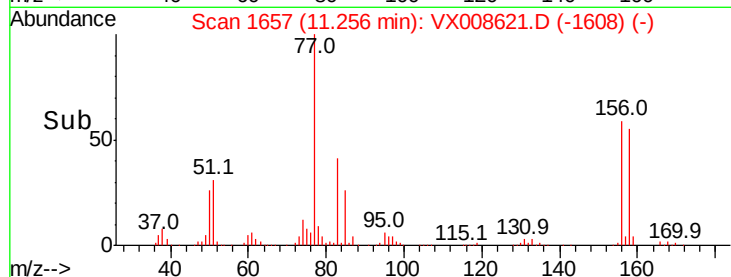
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 18.935 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX008621.D

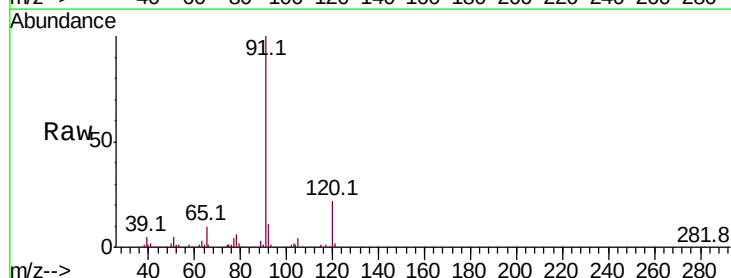
Acq: 03 Apr 2019 18:30

Tgt Ion: 91 Resp: 227928

Ion Ratio Lower Upper

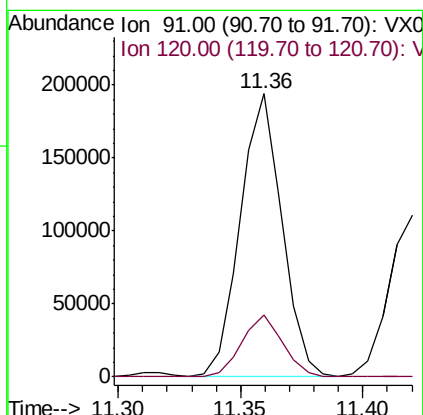
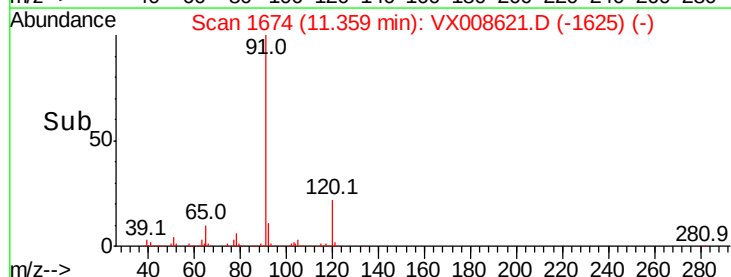
91 100

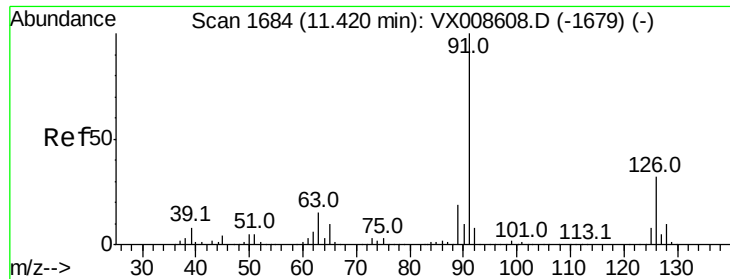
120 21.7 10.9 32.7



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 18.707 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX008621.D

Acq: 03 Apr 2019 18:30

Instrument :

MSVOA_X

ClientSampleId :

VX0403WBSD01

Tot Ion: 91 Resp: 136277

Ion Ratio Lower Upper

91 100

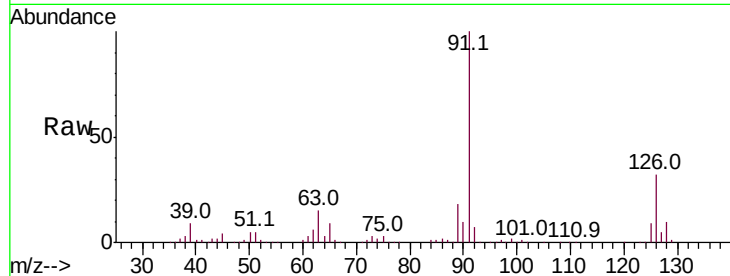
126 31.8 16.1 48.3

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V

200000

150000

100000

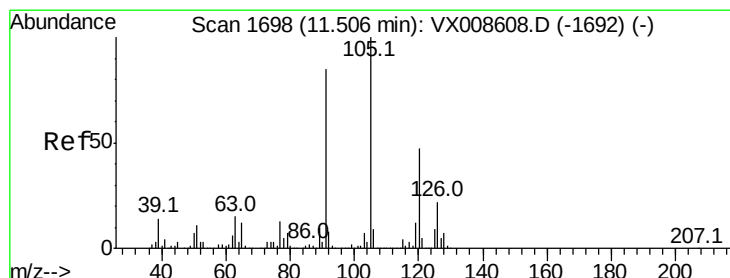
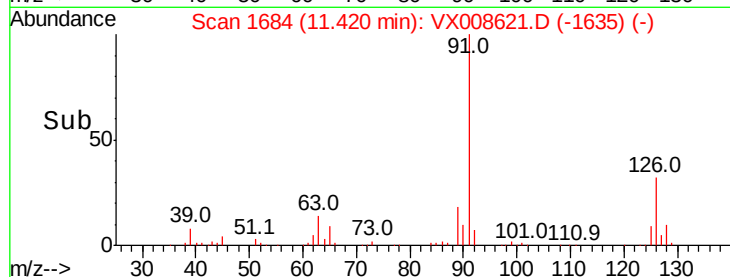
50000

0

11.42

11.45

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 18.951 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX008621.D

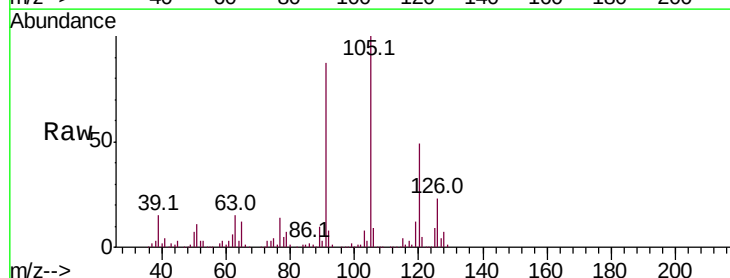
Acq: 03 Apr 2019 18:30

Tgt Ion:105 Resp: 164457

Ion Ratio Lower Upper

105 100

120 47.8 23.5 70.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

150000

100000

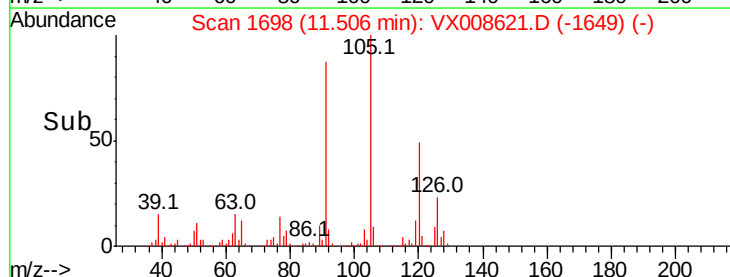
50000

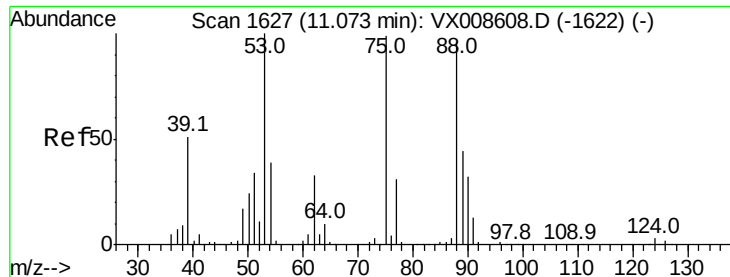
0

11.51

11.60

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 18.534 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VX008621.D

Acq: 03 Apr 2019 18:30

Instrument :

MSVOA_X

ClientSampleId :

VX0403WBSD01

Tot Ion: 75 Resp: 23042

Ion Ratio Lower Upper

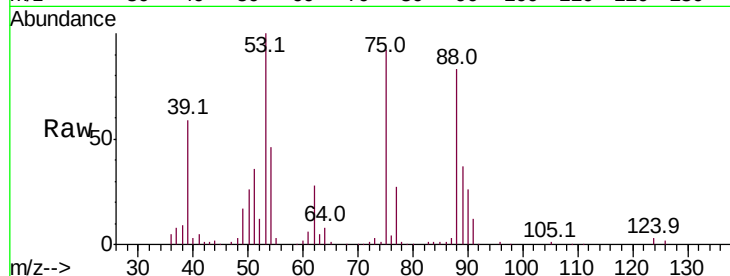
75 100

53 110.8 81.3 121.9

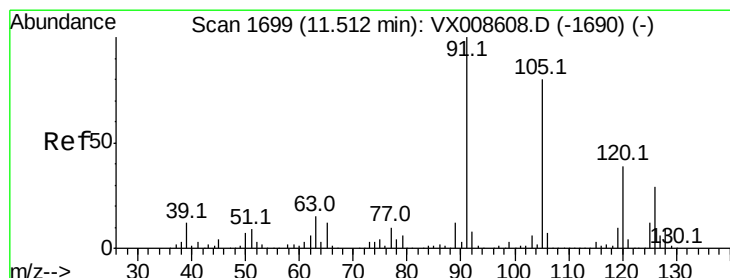
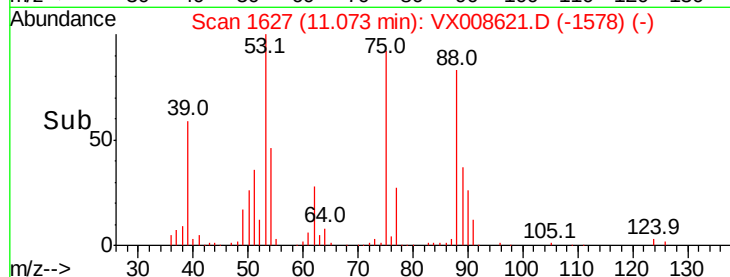
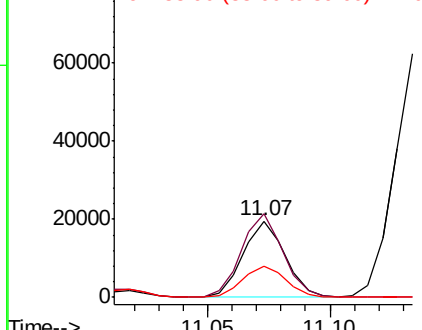
89 42.3 35.6 53.4

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Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 53.00 (52.70 to 53.70): VX0
Ion 88.90 (88.60 to 89.60): VX0



#82

4-Chlorotoluene

Concen: 18.715 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. -0.00 min

Lab File: VX008621.D

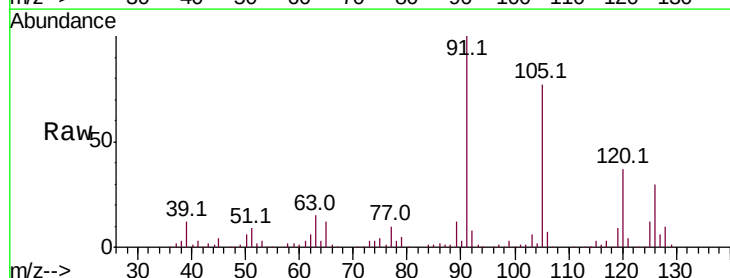
Acq: 03 Apr 2019 18:30

Tgt Ion: 91 Resp: 157807

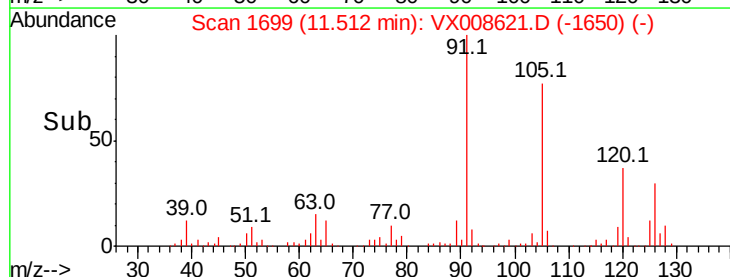
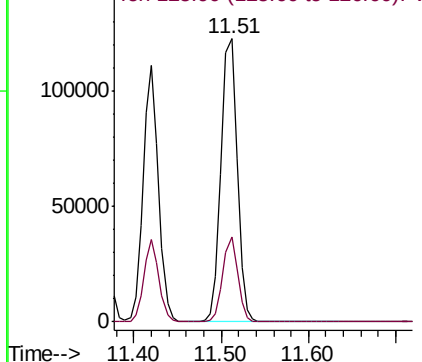
Ion Ratio Lower Upper

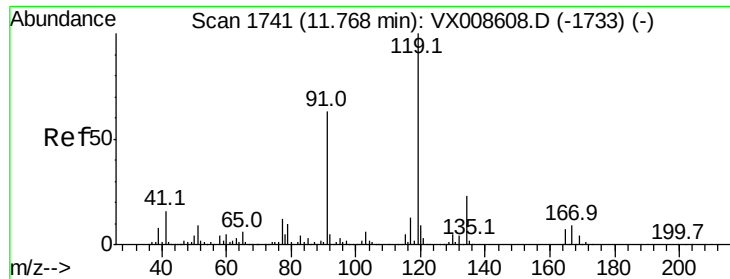
91 100

126 27.7 13.9 41.6



Abundance Ion 91.00 (90.70 to 91.70): VX0
Ion 125.90 (125.60 to 126.60): V





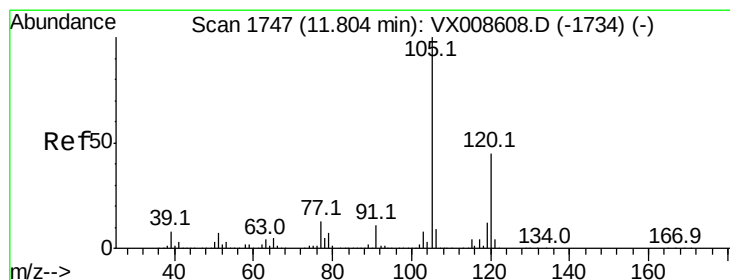
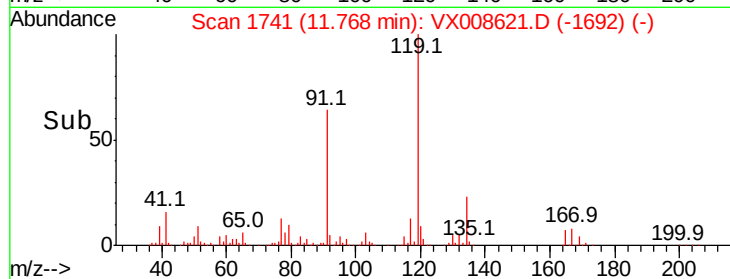
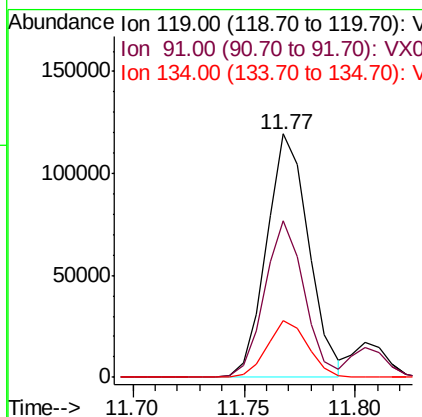
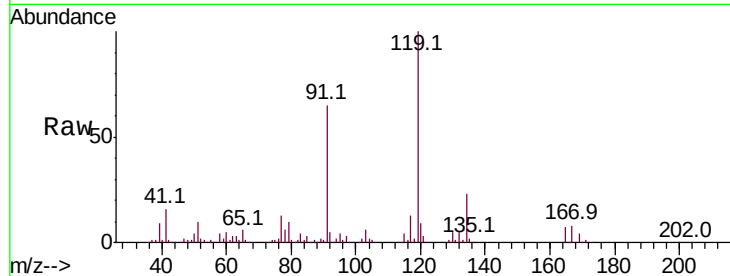
#83
 tert-Butylbenzene
 Concen: 18.777 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. -0.00 min
 Lab File: VX008621.D
 Acq: 03 Apr 2019 18:30

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0403WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	156773		
91	60.8	30.0	90.1	
134	22.6	11.1	33.3	

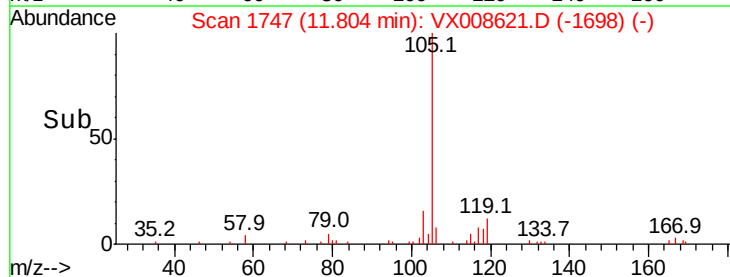
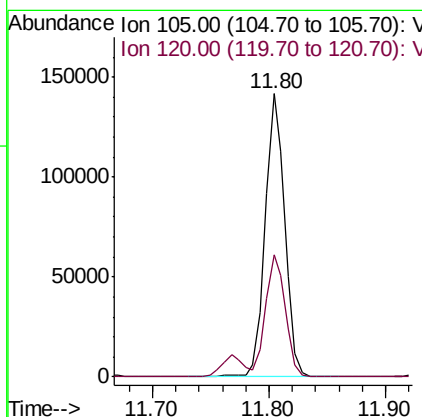
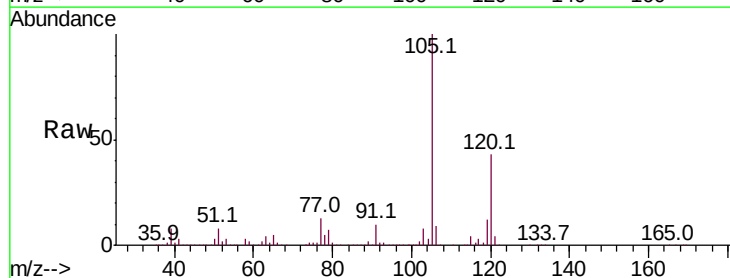
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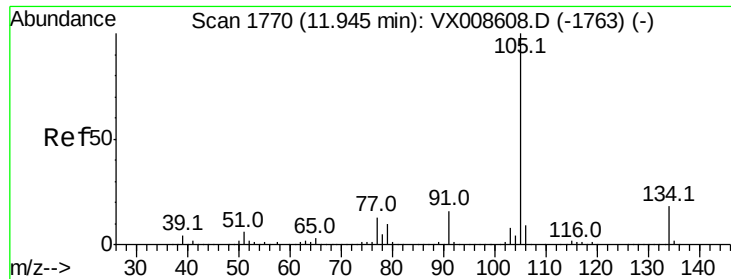
MMDadoda
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#84
 1,2,4-Trimethylbenzene
 Concen: 18.904 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. -0.00 min
 Lab File: VX008621.D
 Acq: 03 Apr 2019 18:30

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	166112		
120	43.3	21.8	65.3	





#85

sec-Butylbenzene

Concen: 18.984 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX008621.D

Acq: 03 Apr 2019 18:30

Instrument :

MSVOA_X

ClientSampled :

VX0403WBSD01

Tot Ion:105 Resp: 188270

Ion Ratio Lower Upper

105 100

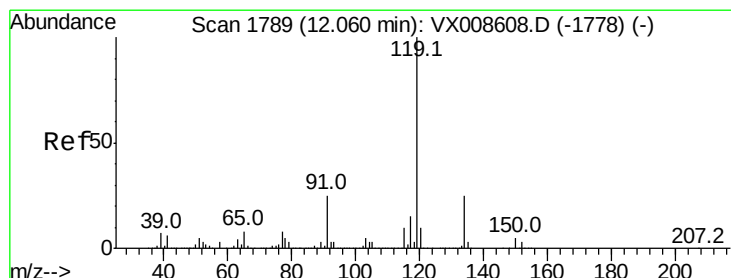
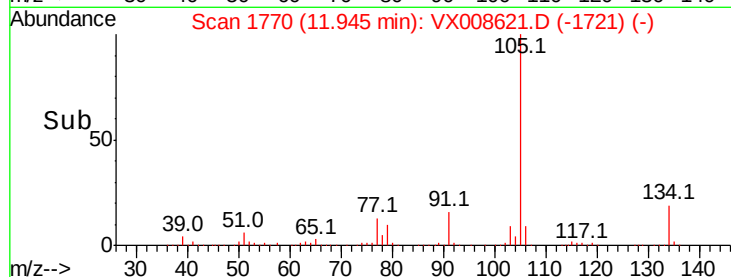
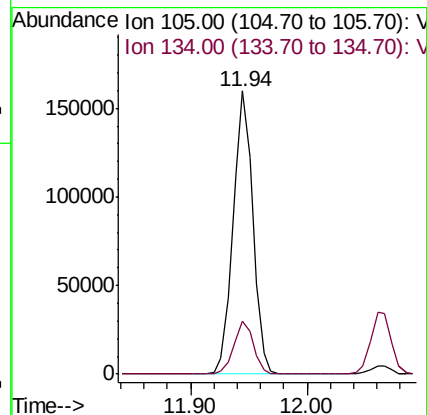
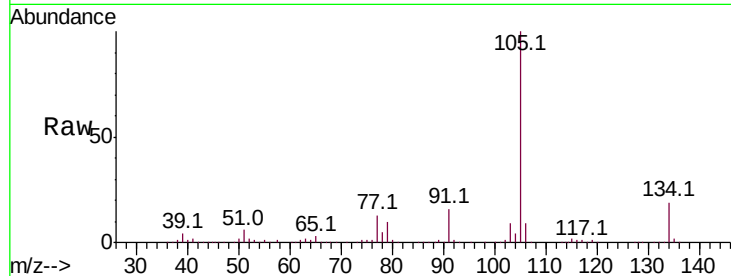
134 18.7 9.4 28.2

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#86

p-Isopropyltoluene

Concen: 18.890 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VX008621.D

Acq: 03 Apr 2019 18:30

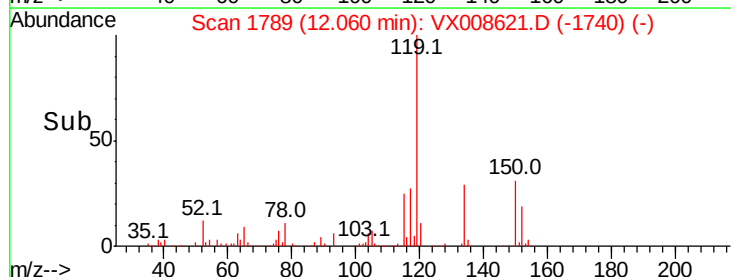
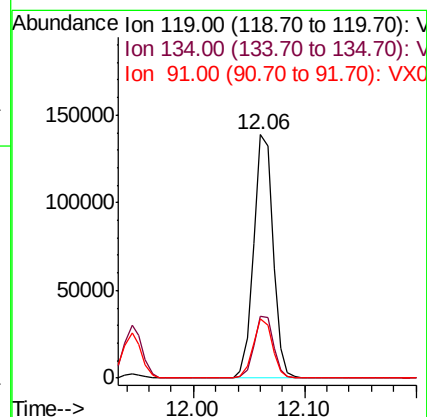
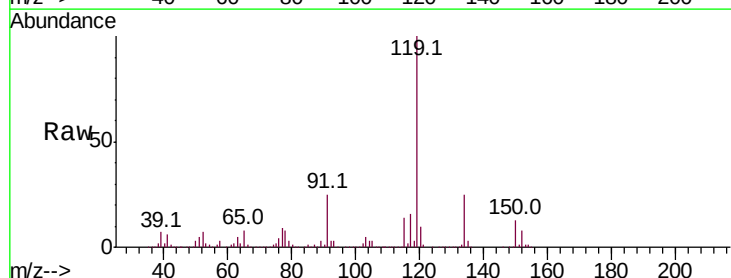
Tgt Ion:119 Resp: 168145

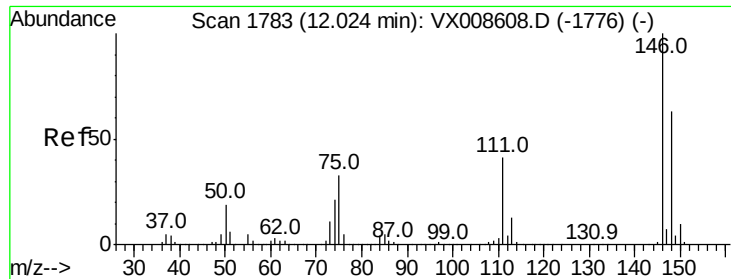
Ion Ratio Lower Upper

119 100

134 25.2 12.8 38.4

91 24.3 12.2 36.6





#87

1,3-Dichlorobenzene

Concen: 18.159 ug/l

RT: 12.02 min Scan# 1783

Delta R.T. -0.00 min

Lab File: VX008621.D

Acq: 03 Apr 2019 18:30

Instrument :

MSVOA_X

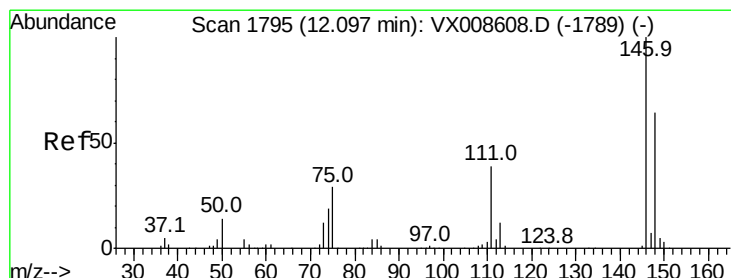
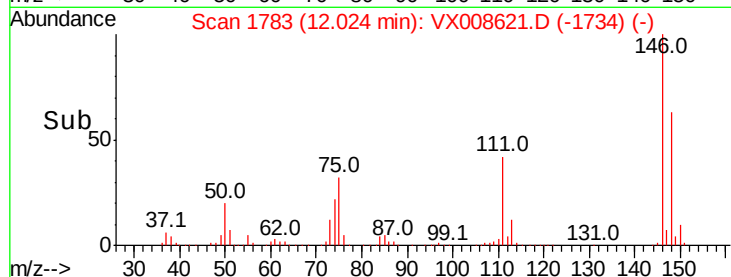
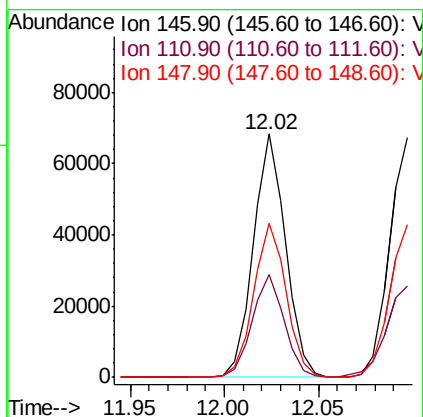
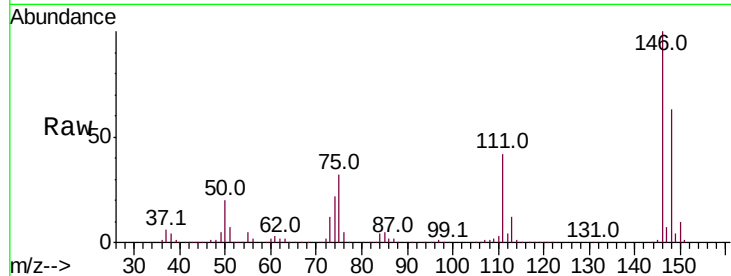
ClientSampled :

VX0403WBSD01

Tot Ion:	146	Resp:	80793
Ion Ratio	Lower	Upper	
146	100		
111	42.2	20.5	61.5
148	63.8	31.6	94.7

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#88

1,4-Dichlorobenzene

Concen: 18.052 ug/l

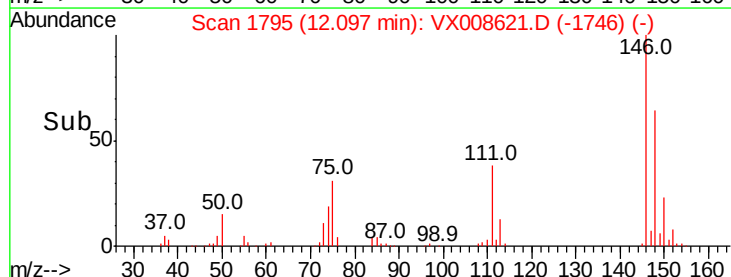
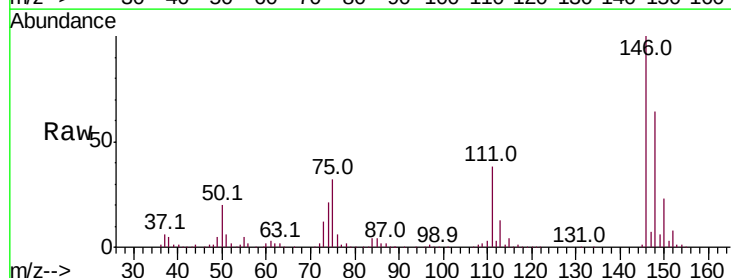
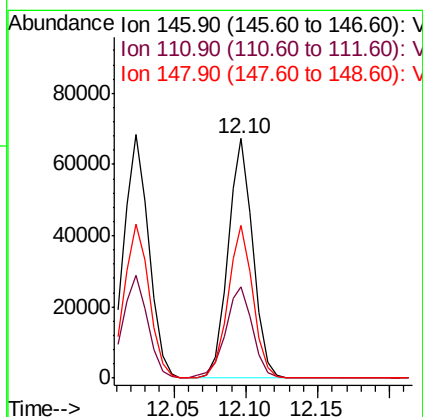
RT: 12.10 min Scan# 1795

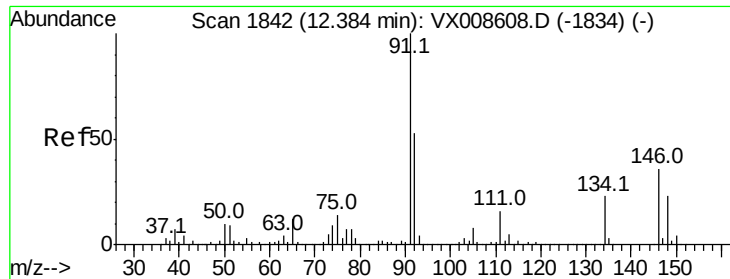
Delta R.T. -0.00 min

Lab File: VX008621.D

Acq: 03 Apr 2019 18:30

Tgt Ion:	146	Resp:	81331
Ion Ratio	Lower	Upper	
146	100		
111	41.8	20.2	60.6
148	63.8	32.0	96.0





#89

n-Butylbenzene

Concen: 18.550 ug/l

RT: 12.38 min Scan# 1842

Delta R.T. -0.00 min

Lab File: VX008621.D

Acq: 03 Apr 2019 18:30

Instrument :

MSVOA_X

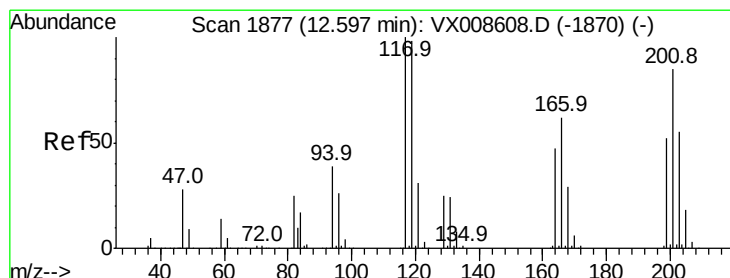
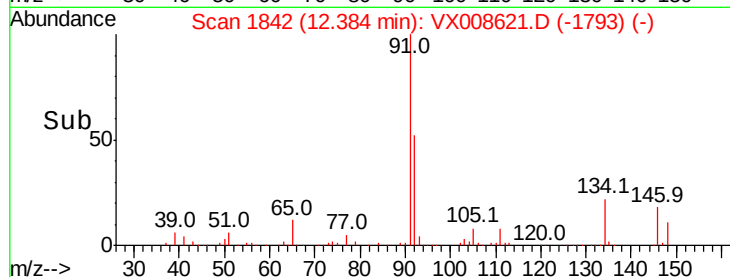
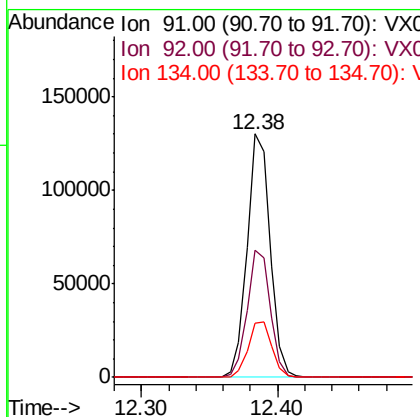
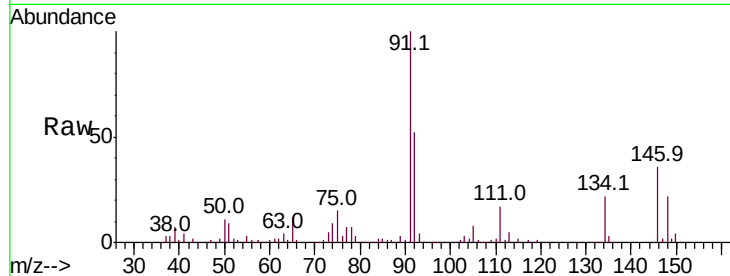
ClientSampled :

VX0403WBSD01

Tot Ion:	91	Resp:	154850
Ion Ratio	Lower	Upper	
91	100		
92	52.5	26.4	79.2
134	23.5	12.0	36.0

Manual Integrations
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#90

Hexachloroethane

Concen: 18.546 ug/l

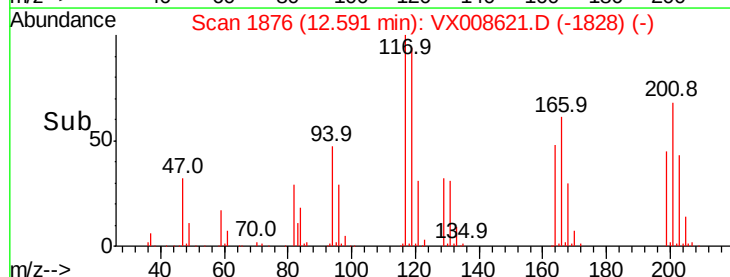
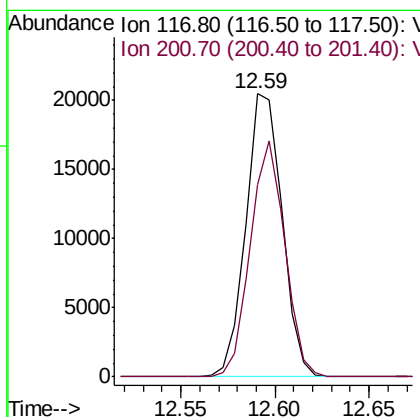
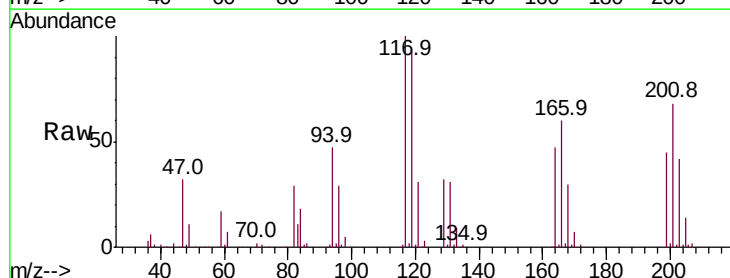
RT: 12.59 min Scan# 1876

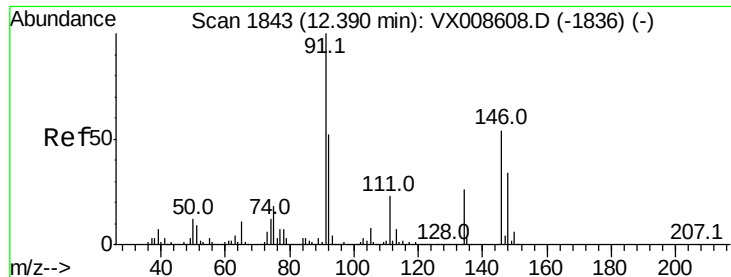
Delta R.T. -0.01 min

Lab File: VX008621.D

Acq: 03 Apr 2019 18:30

Tgt Ion:	117	Resp:	27380
Ion Ratio	Lower	Upper	
117	100		
201	79.1	40.6	122.0





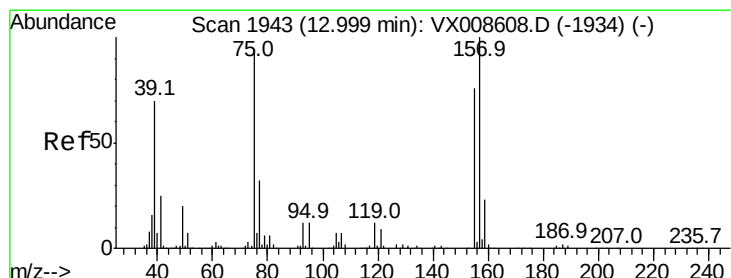
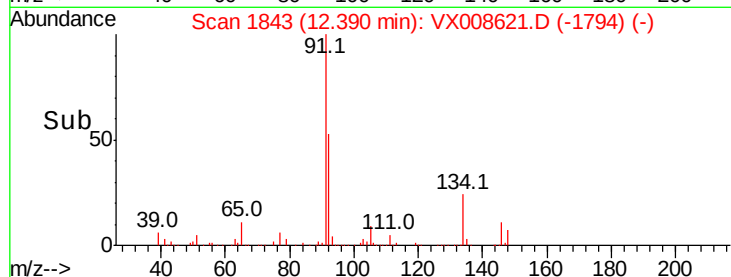
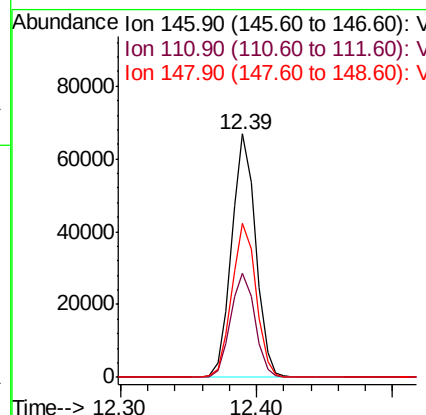
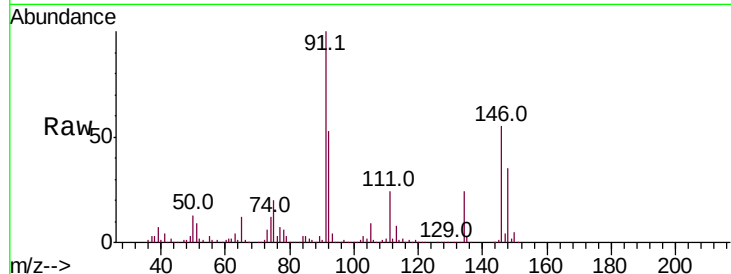
#91
 1,2-Dichlorobenzene
 Concen: 18.550 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX008621.D
 Acq: 03 Apr 2019 18:30

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0403WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.4	21.3	63.9
148	63.9	31.7	95.1

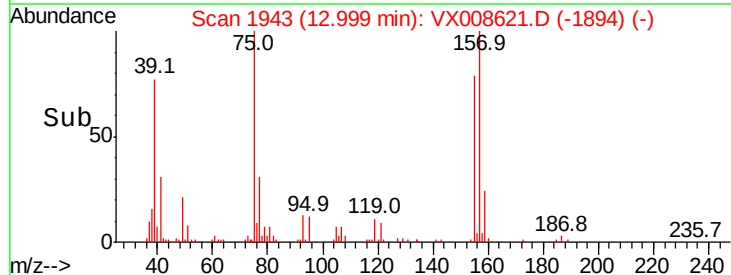
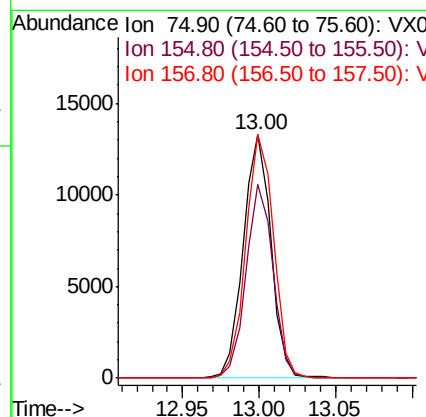
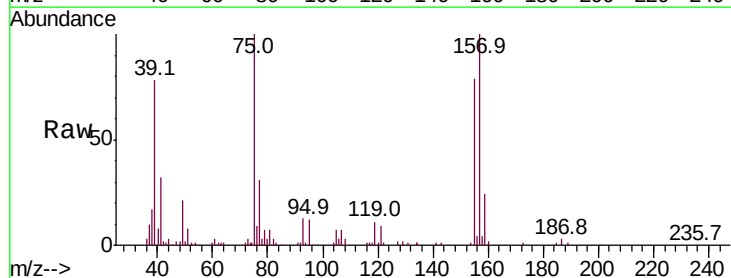
Manual Integrations
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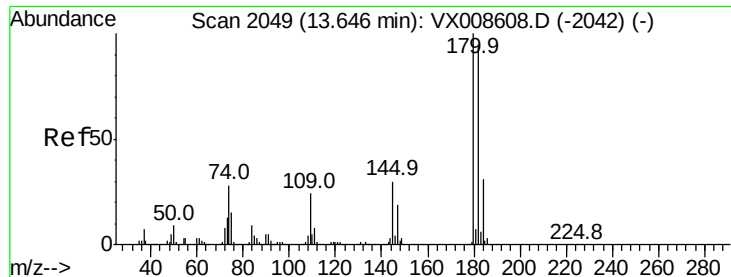
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.206 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX008621.D
 Acq: 03 Apr 2019 18:30

Tgt Ion	Ratio	Lower	Upper
75	100		
155	77.8	39.9	119.6
157	101.1	51.5	154.7





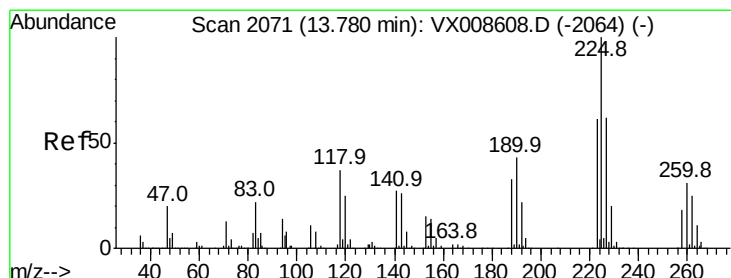
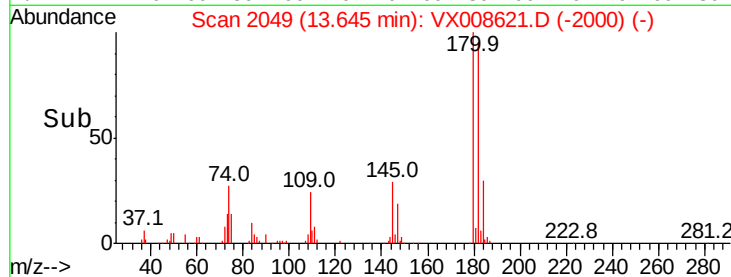
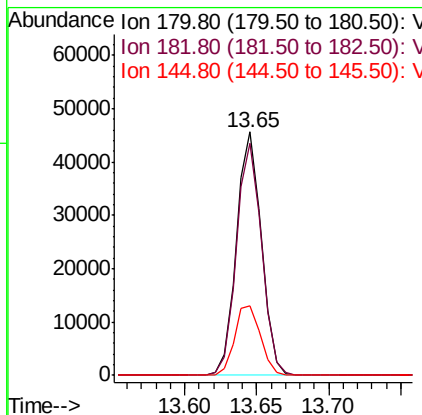
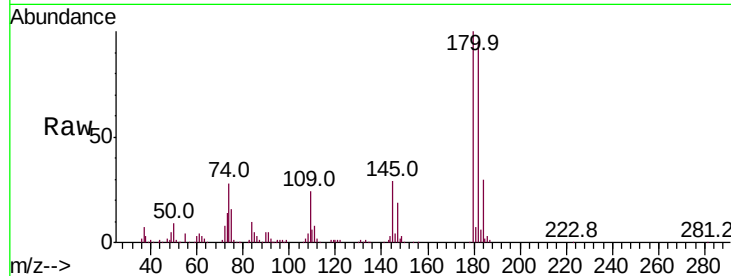
#93
 1,2,4-Trichlorobenzene
 Concen: 17.969 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX008621.D
 Acq: 03 Apr 2019 18:30

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0403WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	95.8	47.2	141.6	
145	30.0	15.3	45.9	

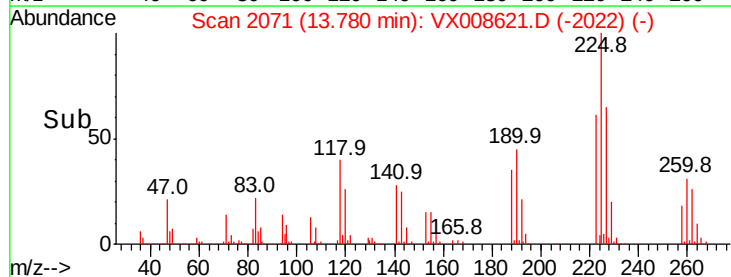
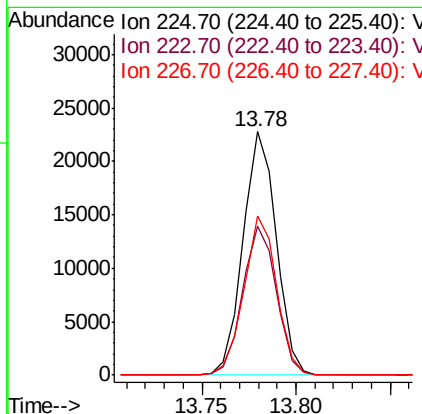
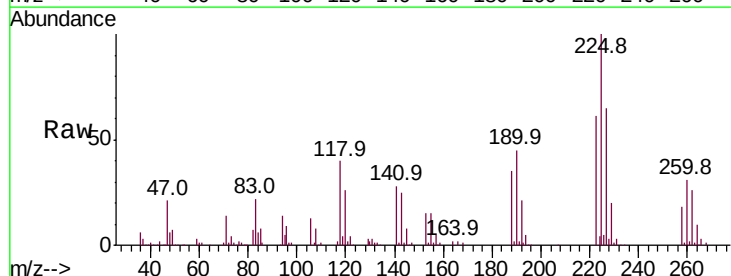
Manual Integrations
 APPROVED

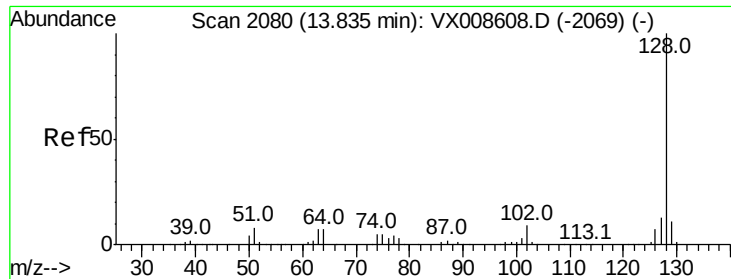
MMDadoda
 4/4/2019 3:37:22 PM



#94
 Hexachlorobutadiene
 Concen: 18.971 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VX008621.D
 Acq: 03 Apr 2019 18:30

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	61.7	31.2	93.6	
227	64.2	31.9	95.5	





#95

Naphthalene

Concen: 19.075 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX008621.D

Acq: 03 Apr 2019 18:30

Instrument :

MSVOA_X

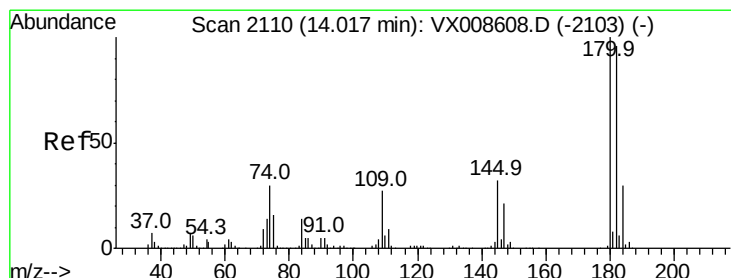
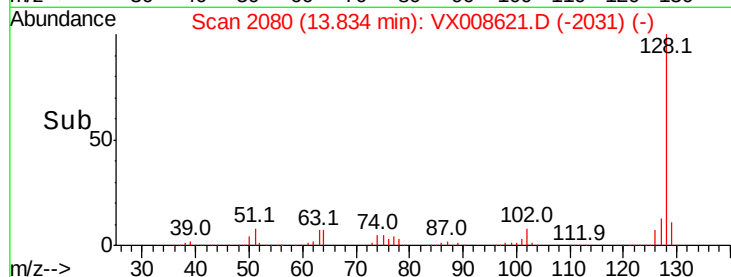
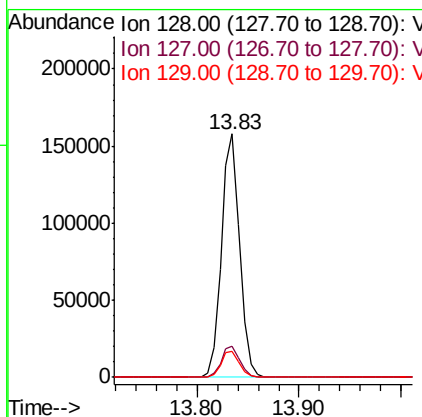
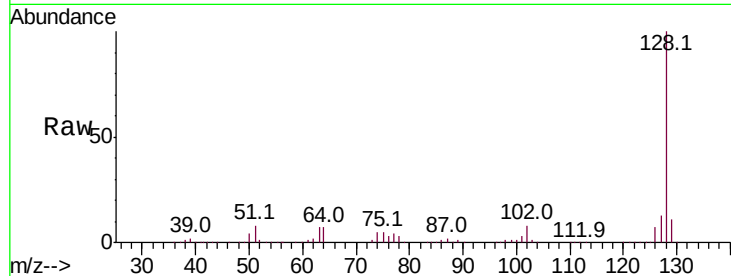
ClientSampleId :

VX0403WBSD01

Tot Ion:	128	Resp:	195823
Ion Ratio	Lower	Upper	
128	100		
127	13.2	10.4	15.6
129	10.9	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
4/4/2019 3:37:22 PM



#96

1,2,3-Trichlorobenzene

Concen: 18.490 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. -0.00 min

Lab File: VX008621.D

Acq: 03 Apr 2019 18:30

Tgt Ion:	180	Resp:	56744
Ion Ratio	Lower	Upper	
180	100		
182	96.8	48.1	144.3
145	32.3	16.3	48.8

