

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX071420\
 Data File : VX017377.D
 Acq On : 14 Jul 2020 14:34
 Operator : JC/SP
 Sample : PB130122ZHE#11
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB130122ZHE#11

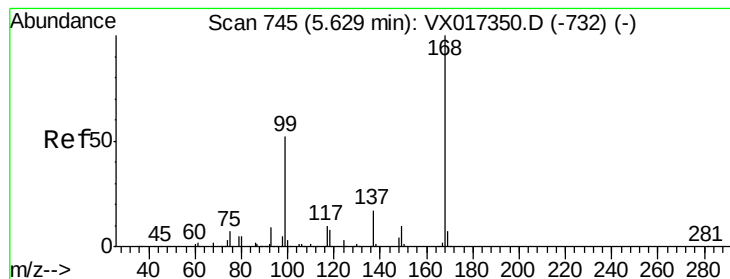
Quant Time: Jul 15 01:23:59 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071320W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 14 02:59:51 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	277016	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	466648	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	503216	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	273602	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.03	65	177621	51.09	ug/l	0.00
Spiked Amount			Recovery	=	102.18%	
35) Dibromofluoromethane	5.46	113	154457	49.14	ug/l	0.00
Spiked Amount			Recovery	=	98.28%	
50) Toluene-d8	8.70	98	588333	51.89	ug/l	0.00
Spiked Amount			Recovery	=	103.78%	
62) 4-Bromofluorobenzene	11.12	95	249569	55.41	ug/l	0.00
Spiked Amount			Recovery	=	110.82%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	459	0.270	ug/l #	56
8) Diethyl Ether	2.17	74	866	0.556	ug/l	76
10) Methyl Iodide	2.50	142	217	2.436	ug/l #	65
11) Tert butyl alcohol	3.02	59	1352	2.308	ug/l #	90
13) Acrolein	2.29	56	666	2.074	ug/l	93
16) Acetone	2.42	43	33714	27.181	ug/l	97
18) Methyl Acetate	2.75	43	3645	1.190	ug/l	96
20) Methylene Chloride	2.84	84	22295	7.367	ug/l	95
25) 2-Butanone	4.65	43	4966	2.521	ug/l	94
29) Tetrahydrofuran	5.10	42	623	0.489	ug/l #	53
31) Cyclohexane	5.63	56	5630	1.406	ug/l #	32
36) 1,1-Dichloropropene	5.63	75	20724	4.828	ug/l #	50
38) Carbon Tetrachloride	5.64	117	26534	5.280	ug/l #	16
43) Isopropyl Acetate	6.42	43	78808	11.111	ug/l	99
48) Methyl methacrylate	7.65	41	4102	1.205	ug/l #	13
49) 1,4-Dioxane	7.84	88	344	4.939	ug/l #	1
51) 4-Methyl-2-Pentanone	8.59	43	74735	17.280	ug/l #	46
54) cis-1,3-Dichloropropene	8.59	75	32951	6.026	ug/l #	60
57) 1,3-Dichloropropane	9.52	76	6378	1.162	ug/l #	44
59) 2-Hexanone	9.42	43	73793	22.606	ug/l #	23
76) 1,2,3-Trichloropropane	11.12	75	123724	24.472	ug/l #	37
80) 1,3,5-Trimethylbenzene	11.49	105	3461	0.238	ug/l	95
81) trans-1,4-Dichloro-2-buten	11.12	75	123724	62.080	ug/l #	11

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.00 min

Lab File: VX017377.D

Acq: 14 Jul 2020 14:34

Instrument :

MSVOA_X

ClientSampleId :

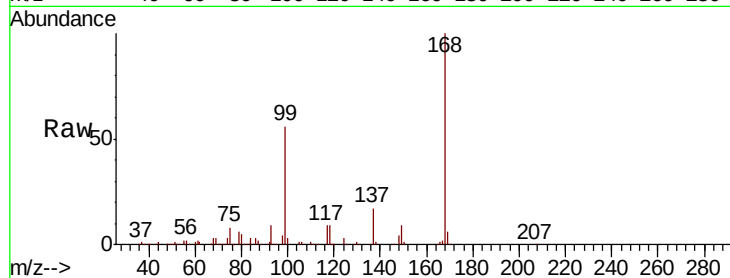
PB130122ZHE#11

Tot Ion:168 Resp: 277016

Ion Ratio Lower Upper

168 100

99 55.6 41.6 62.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

100000

80000

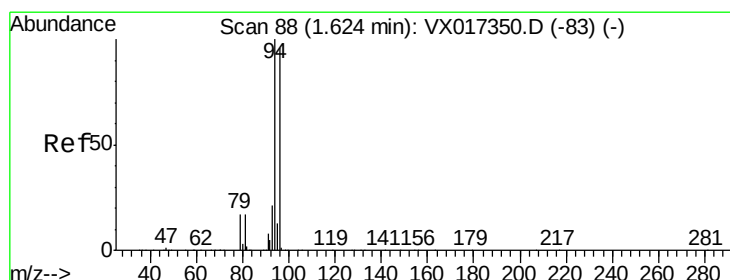
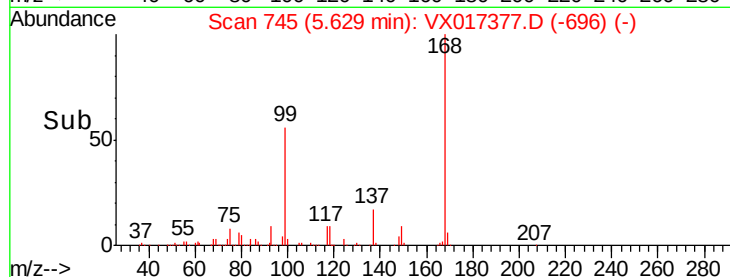
60000

40000

20000

0

Time-->



#5

Bromomethane

Concen: 0.270 ug/l

RT: 1.64 min Scan# 91

Delta R.T. 0.02 min

Lab File: VX017377.D

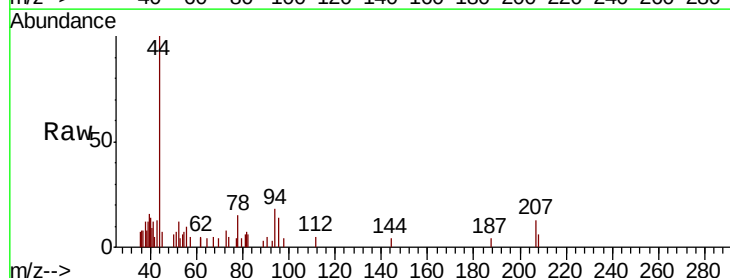
Acq: 14 Jul 2020 14:34

Tgt Ion: 94 Resp: 459

Ion Ratio Lower Upper

94 100

96 53.3 76.6 115.0#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

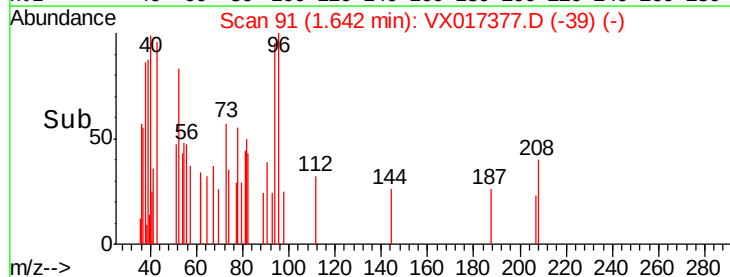
300

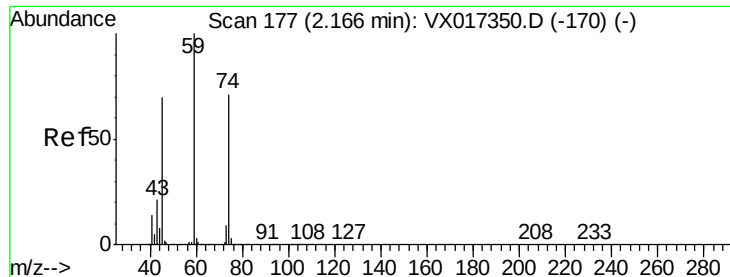
200

100

0

Time-->





#8

Diethyl Ether

Concen: 0.556 ug/l

RT: 2.17 min Scan# 177

Delta R.T. -0.00 min

Lab File: VX017377.D

Acq: 14 Jul 2020 14:34

Instrument :

MSVOA_X

ClientSampleId :

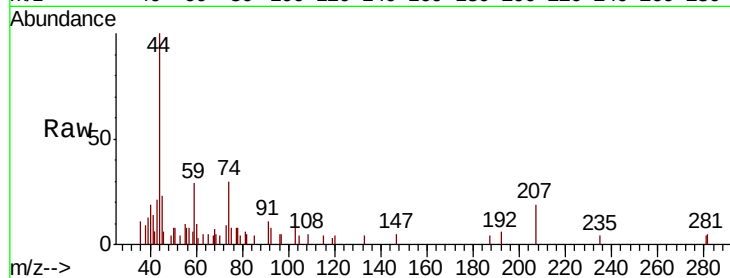
PB130122ZHE#11

Tot Ion: 74 Resp: 866

Ion Ratio Lower Upper

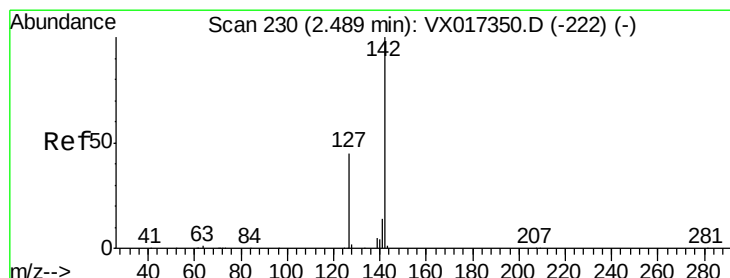
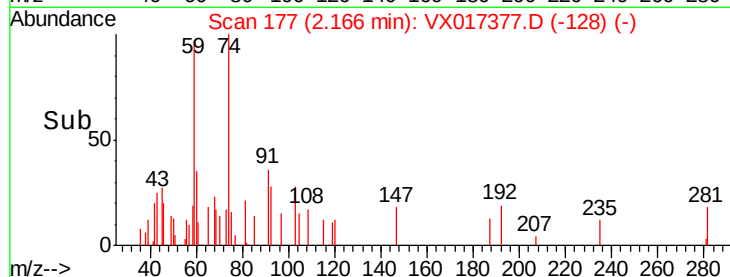
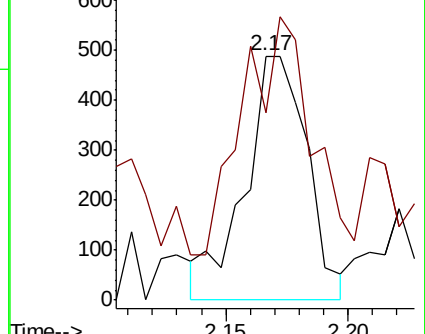
74 100

45 117.3 47.2 141.6



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0



#10

Methyl Iodide

Concen: 2.436 ug/l

RT: 2.50 min Scan# 231

Delta R.T. 0.01 min

Lab File: VX017377.D

Acq: 14 Jul 2020 14:34

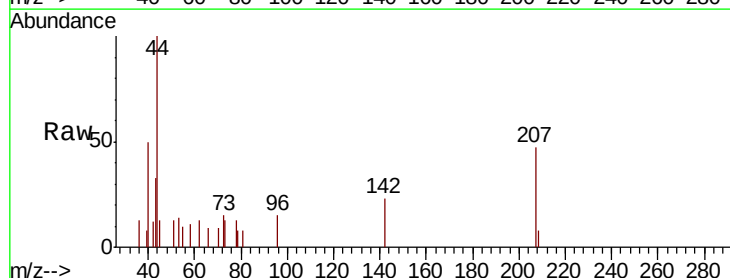
Tgt Ion: 142 Resp: 217

Ion Ratio Lower Upper

142 100

127 22.6 36.8 55.2#

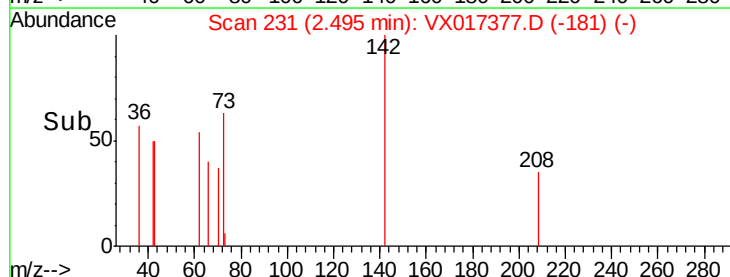
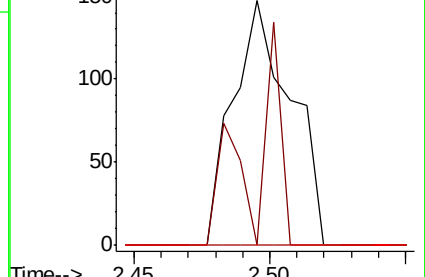
141 0.0 11.4 17.0#

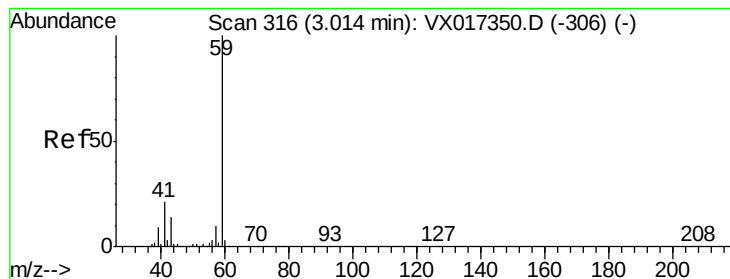


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



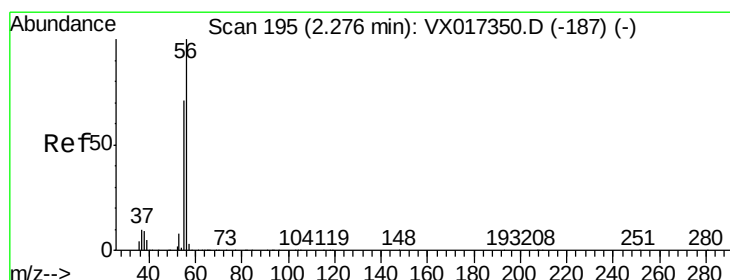
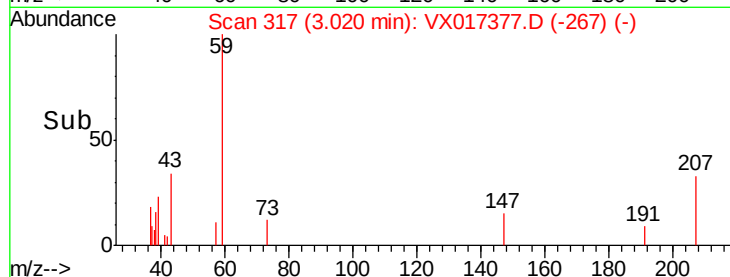
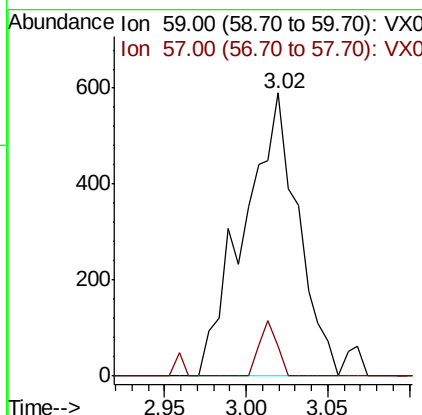
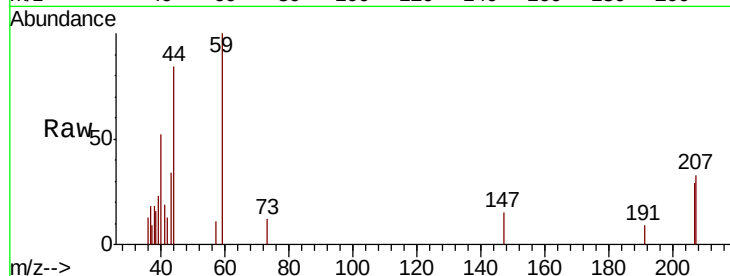


#11

Tert butyl alcohol
 Concen: 2.308 ug/l
 RT: 3.02 min Scan# 317
 Delta R.T. 0.01 min
 Lab File: VX017377.D
 Acq: 14 Jul 2020 14:34

Instrument :
 MSVOA_X
 ClientSampleId :
 PB130122ZHE#11

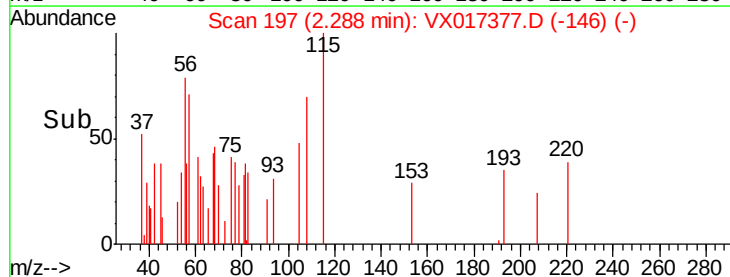
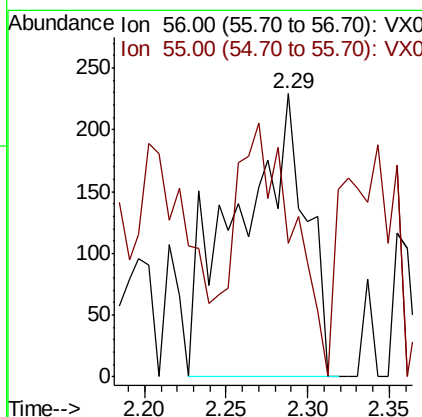
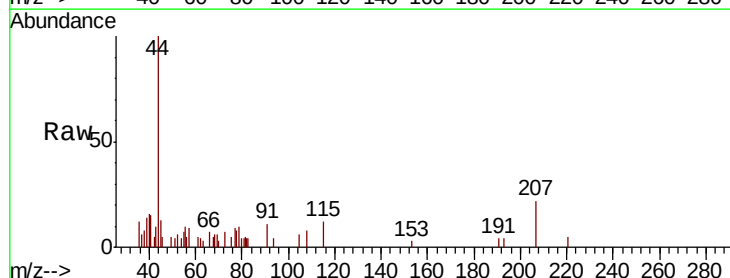
Tot Ion: 59 Resp: 1352
 Ion Ratio Lower Upper
 59 100
 57 6.6 8.3 12.5#

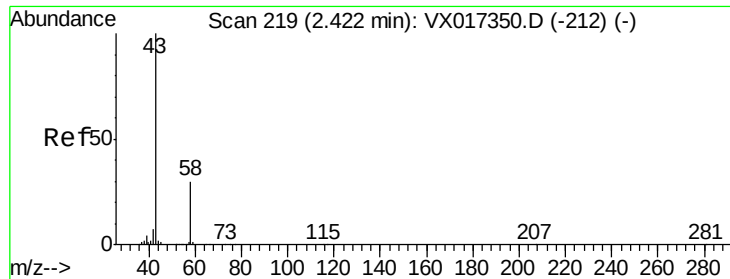


#13

Acrolein
 Concen: 2.074 ug/l
 RT: 2.29 min Scan# 197
 Delta R.T. 0.01 min
 Lab File: VX017377.D
 Acq: 14 Jul 2020 14:34

Tgt Ion: 56 Resp: 666
 Ion Ratio Lower Upper
 56 100
 55 77.5 57.1 85.7





#16

Acetone

Concen: 27.181 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.01 min

Lab File: VX017377.D

Acq: 14 Jul 2020 14:34

Instrument :

MSVOA_X

ClientSampleId :

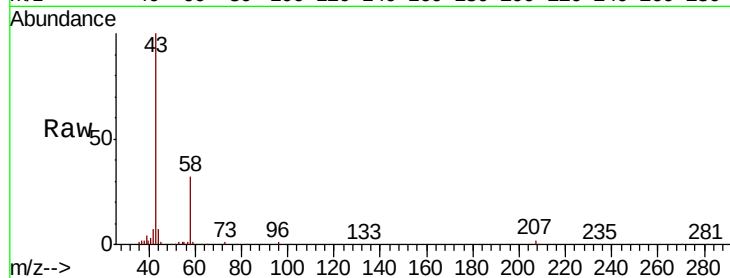
PB130122ZHE#11

Tot Ion: 43 Resp: 33714

Ion Ratio Lower Upper

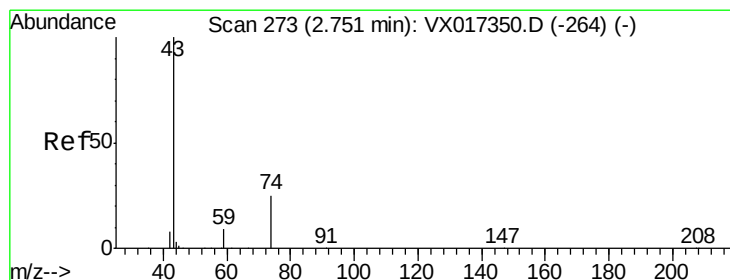
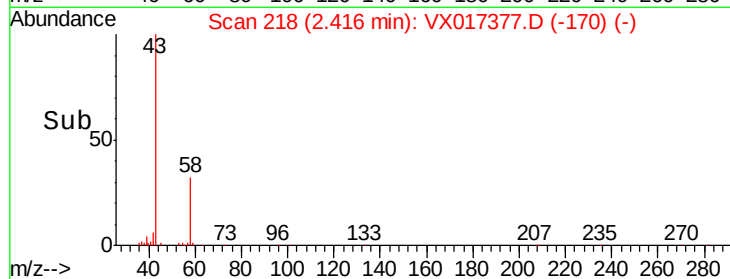
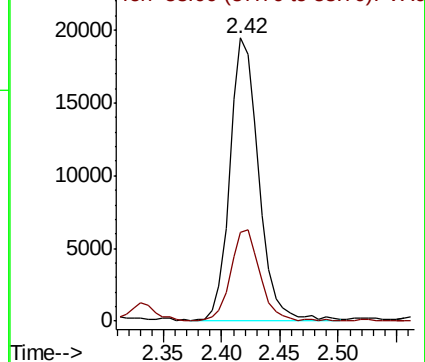
43 100

58 31.6 24.2 36.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#18

Methyl Acetate

Concen: 1.190 ug/l

RT: 2.75 min Scan# 273

Delta R.T. 0.00 min

Lab File: VX017377.D

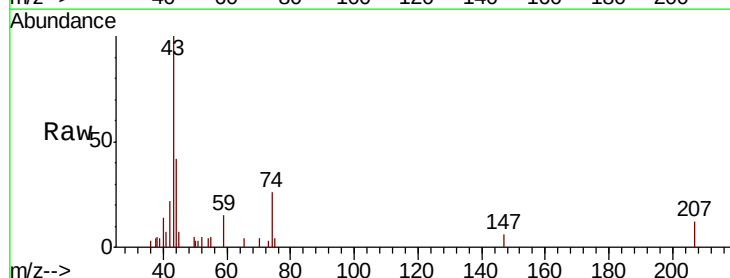
Acq: 14 Jul 2020 14:34

Tgt Ion: 43 Resp: 3645

Ion Ratio Lower Upper

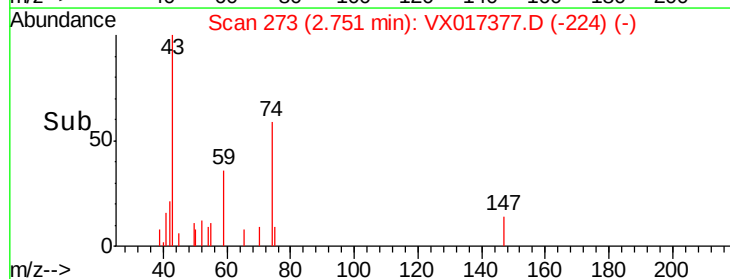
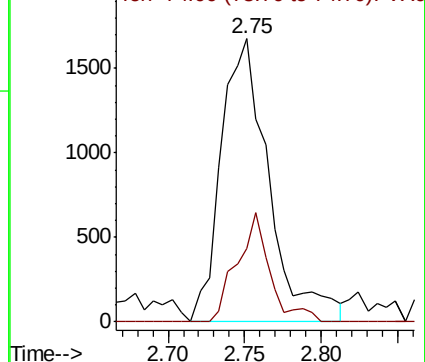
43 100

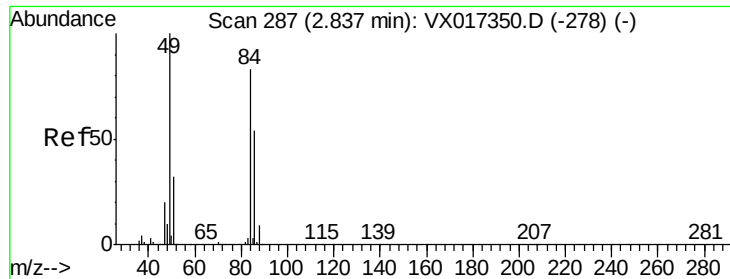
74 26.3 19.4 29.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

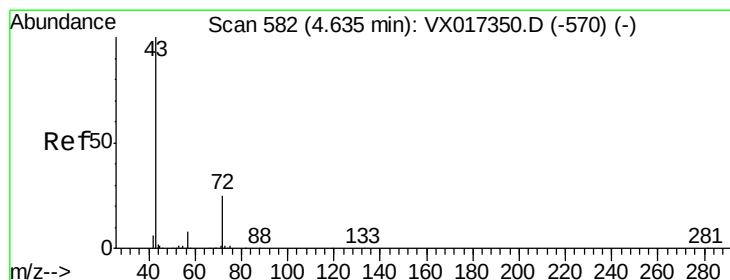
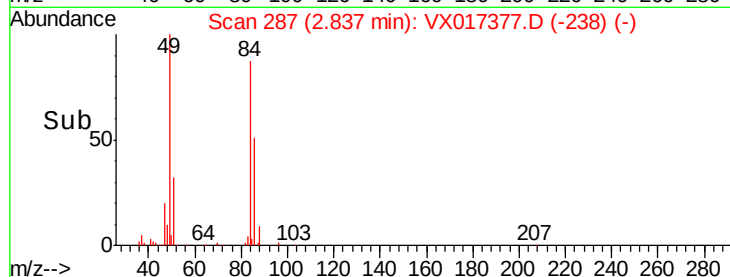
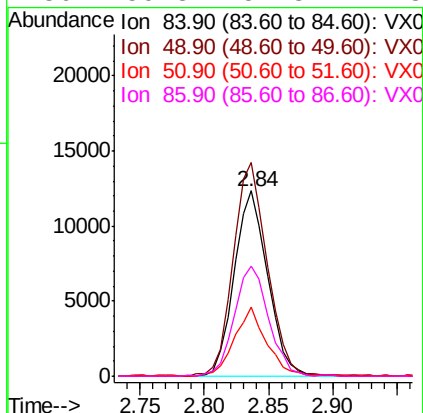
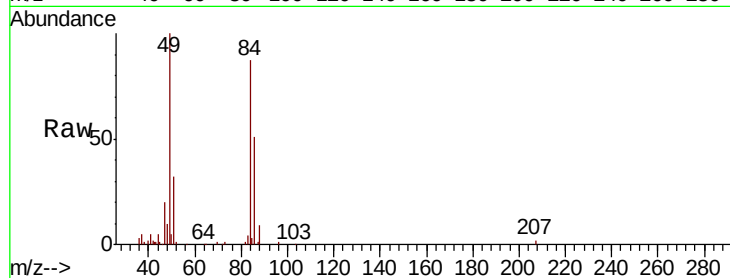




#20
Methvlene Chloride
Concen: 7.367 ug/l
RT: 2.84 min Scan# 287
Delta R.T. 0.00 min
Lab File: VX017377.D
Acq: 14 Jul 2020 14:34

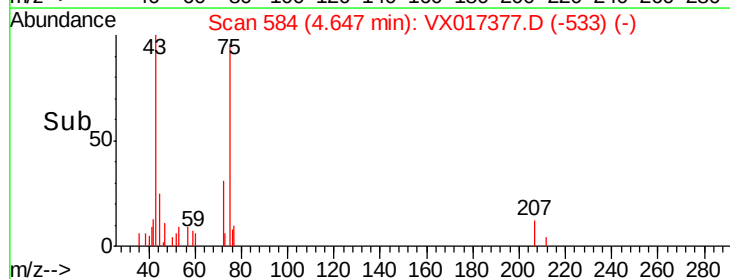
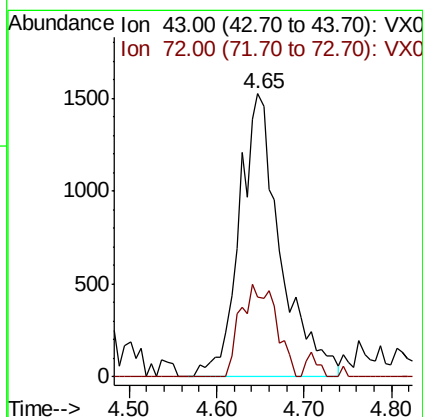
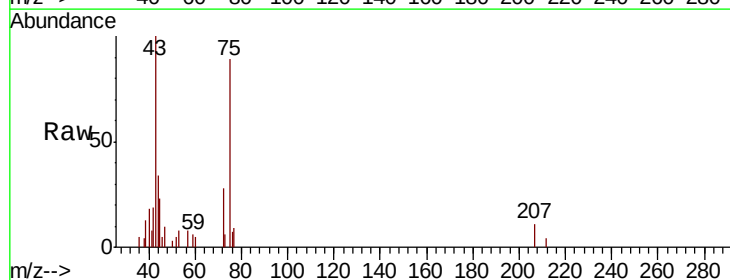
Instrument :
MSVOA_X
ClientSampleId :
PB130122ZHE#11

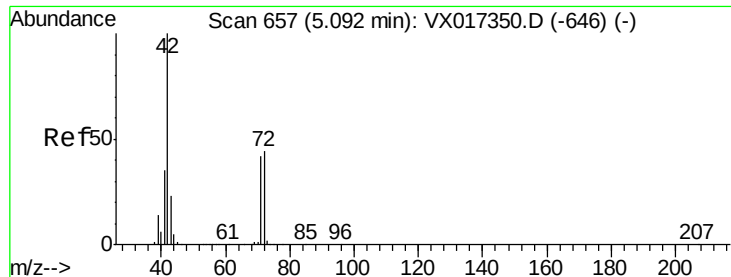
Tot Ion:	84	Resp:	22295
Ion	Ratio	Lower	Upper
84	100		
49	115.1	95.8	143.8
51	36.9	31.0	46.4
86	59.3	51.8	77.8



#25
2-Butanone
Concen: 2.521 ug/l
RT: 4.65 min Scan# 584
Delta R.T. 0.01 min
Lab File: VX017377.D
Acq: 14 Jul 2020 14:34

Tgt Ion:	43	Resp:	4966
Ion	Ratio	Lower	Upper
43	100		
72	28.3	20.4	30.6





#29

Tetrahydrofuran

Concen: 0.489 ug/l

RT: 5.10 min Scan# 658

Delta R.T. 0.01 min

Lab File: VX017377.D

Acq: 14 Jul 2020 14:34

Instrument :

MSVOA_X

ClientSampleId :

PB130122ZHE#11

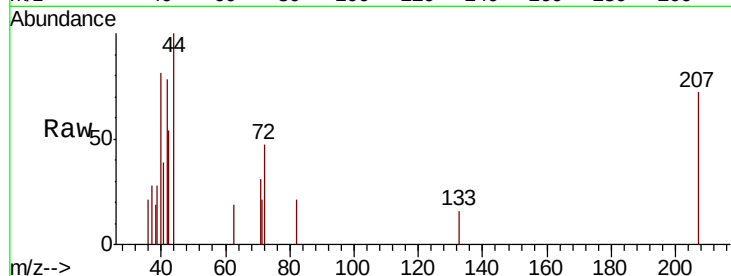
Tot Ion: 42 Resp: 623

Ion Ratio Lower Upper

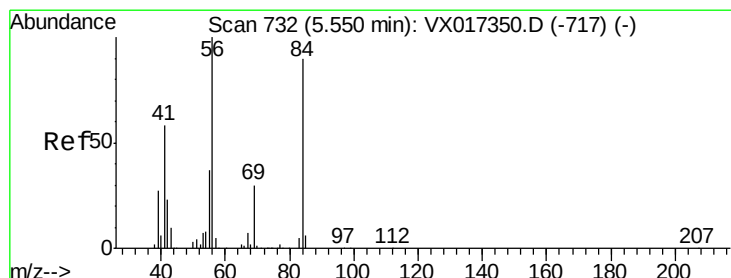
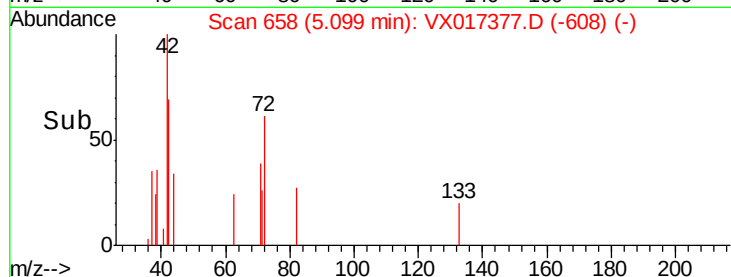
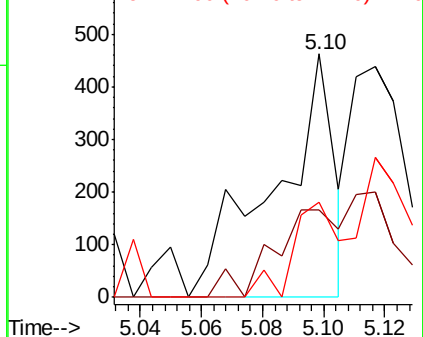
42 100

72 0.0 37.2 55.8#

71 29.1 34.4 51.6#



Abundance Ion 42.00 (41.70 to 42.70): VX0
Ion 72.00 (71.70 to 72.70): VX0
Ion 71.00 (70.70 to 71.70): VX0



#31

Cyclohexane

Concen: 1.406 ug/l

RT: 5.63 min Scan# 745

Delta R.T. 0.08 min

Lab File: VX017377.D

Acq: 14 Jul 2020 14:34

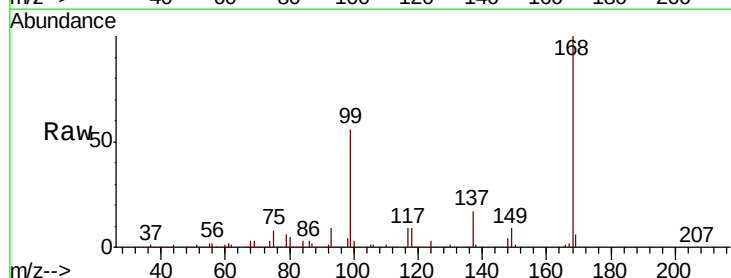
Tgt Ion: 56 Resp: 5630

Ion Ratio Lower Upper

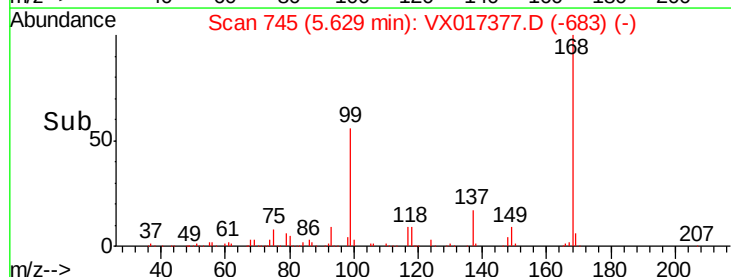
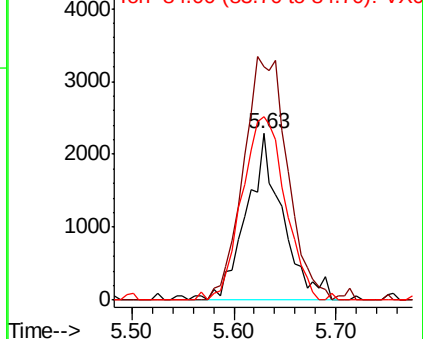
56 100

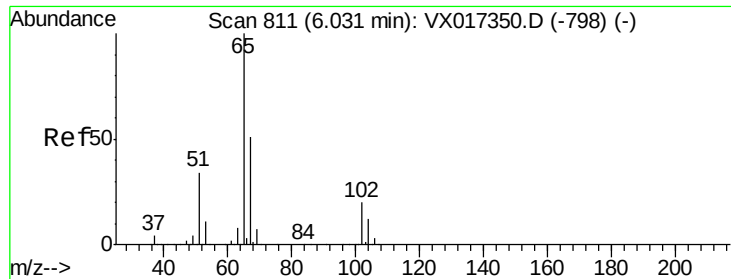
69 140.1 23.7 35.5#

84 110.7 71.8 107.6#



Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

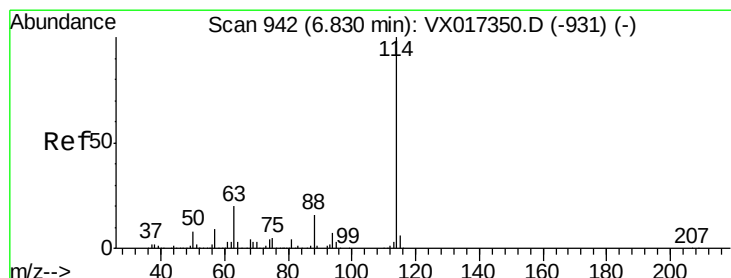
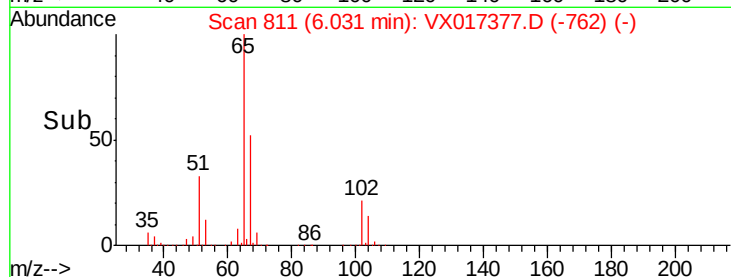
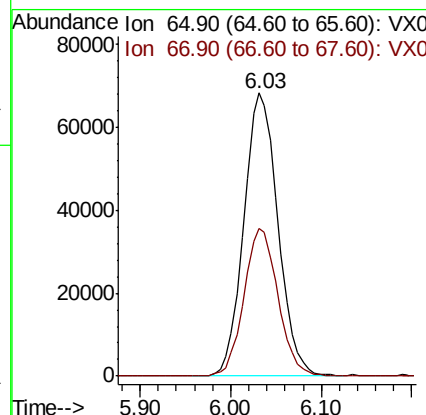
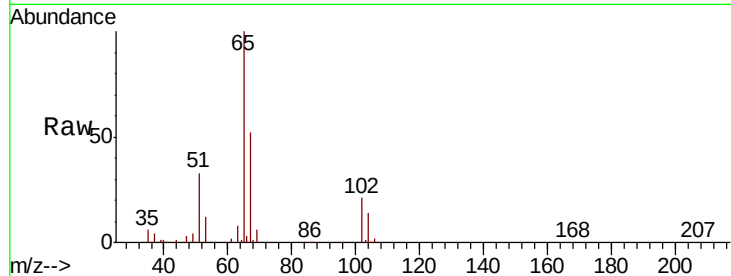




#33
 1,2-Dichloroethane-d4
 Concen: 51.088 ug/l
 RT: 6.03 min Scan# 811
 Delta R.T. -0.00 min
 Lab File: VX017377.D
 Acq: 14 Jul 2020 14:34

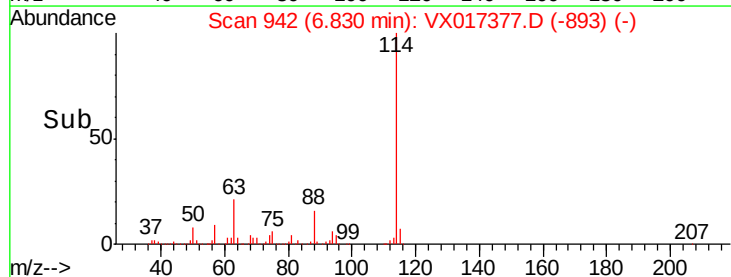
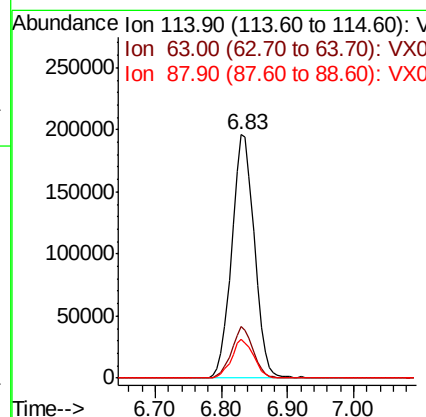
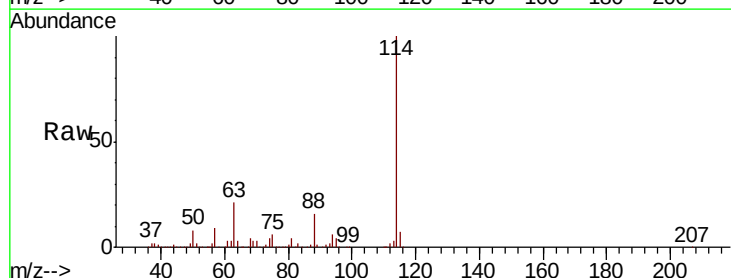
Instrument :
 MSVOA_X
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 PB130122ZHE#11

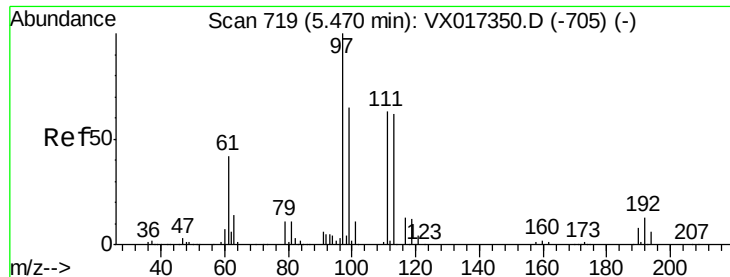
Tot Ion: 65 Resp: 177621
 Ion Ratio Lower Upper
 65 100
 67 52.0 0.0 101.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.83 min Scan# 942
 Delta R.T. 0.00 min
 Lab File: VX017377.D
 Acq: 14 Jul 2020 14:34

Tgt Ion: 114 Resp: 466648
 Ion Ratio Lower Upper
 114 100
 63 21.1 0.0 40.0
 88 16.0 0.0 32.8





#35

Dibromofluoromethane

Concen: 49.137 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.01 min

Lab File: VX017377.D

Acq: 14 Jul 2020 14:34

Instrument :

MSVOA_X

ClientSampleId :

PB130122ZHE#11

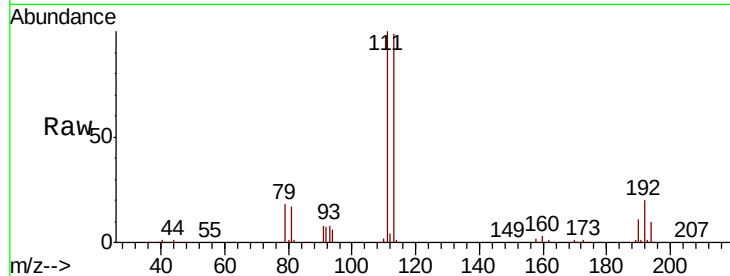
Tot Ion:113 Resp: 154457

Ion Ratio Lower Upper

113 100

111 102.2 82.4 123.6

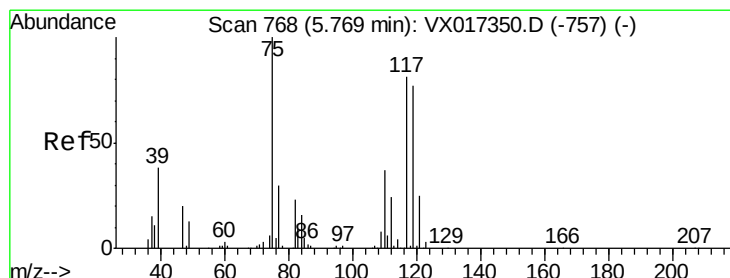
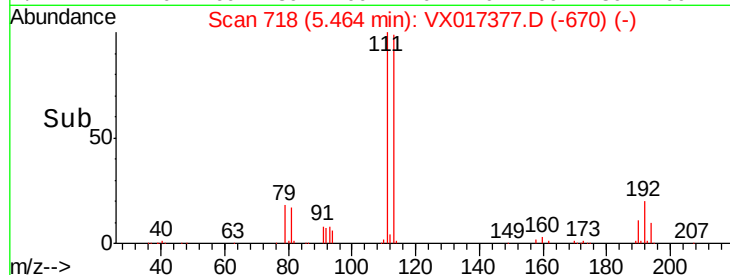
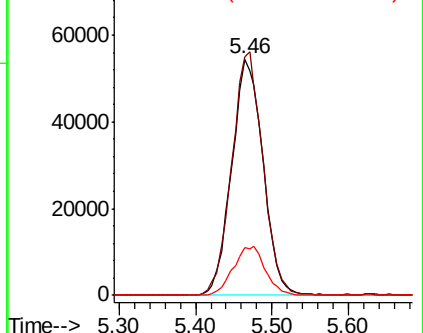
192 21.3 17.2 25.8



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: 4.828 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.14 min

Lab File: VX017377.D

Acq: 14 Jul 2020 14:34

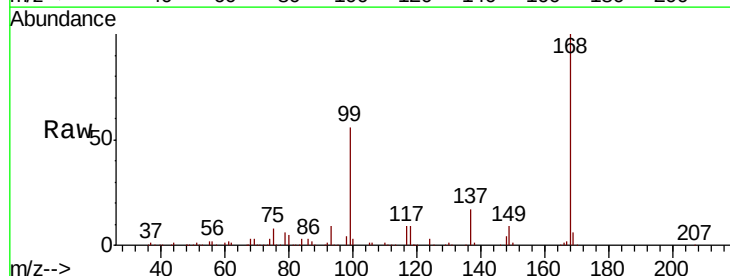
Tgt Ion: 75 Resp: 20724

Ion Ratio Lower Upper

75 100

110 10.4 18.6 55.8#

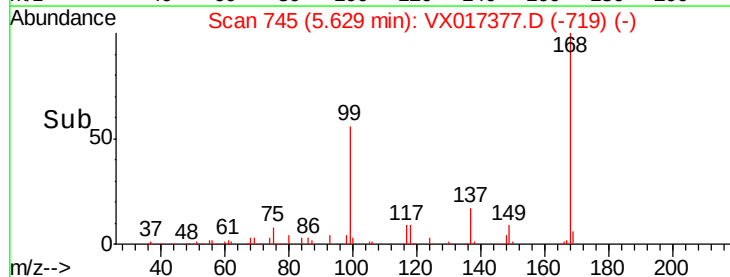
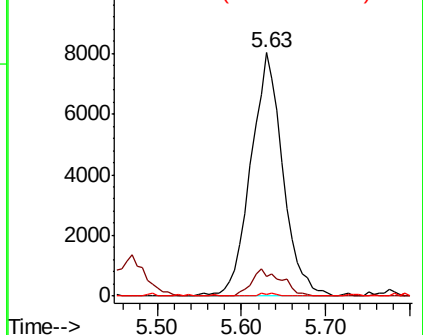
77 0.6 24.9 37.3#

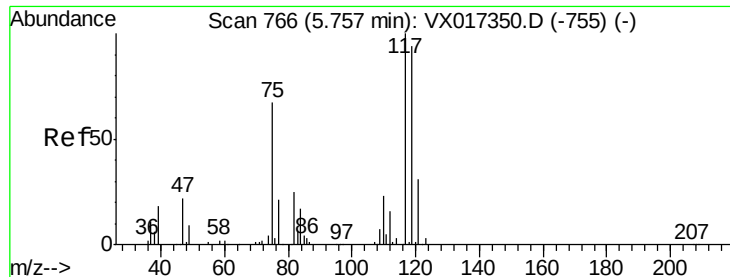


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 5.280 ug/l

RT: 5.64 min Scan# 746

Delta R.T. -0.12 min

Lab File: VX017377.D

Acq: 14 Jul 2020 14:34

Instrument :

MSVOA_X

ClientSampleId :

PB130122ZHE#11

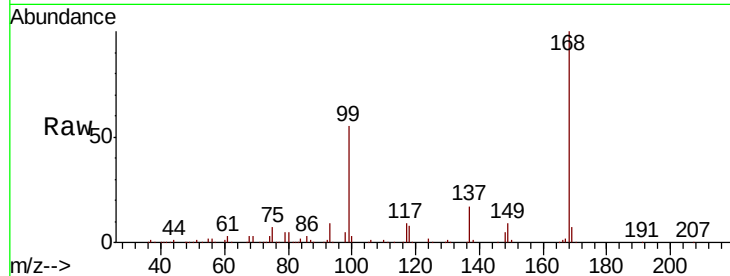
Tot Ion:117 Resp: 26534

Ion Ratio Lower Upper

117 100

119 4.4 74.7 112.1#

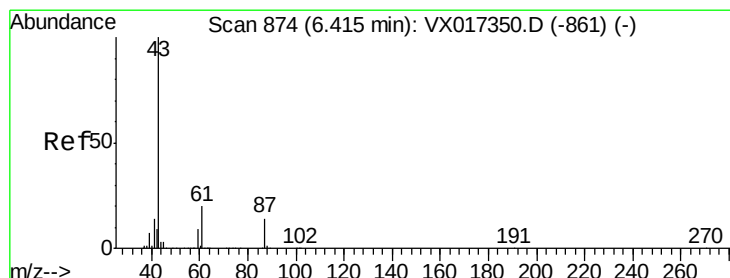
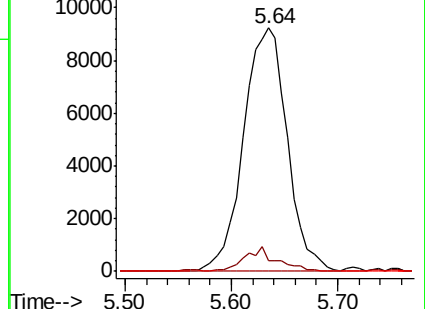
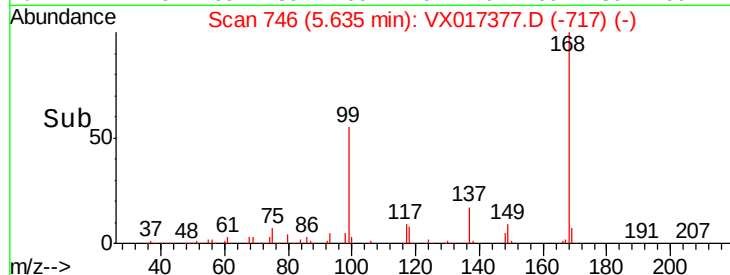
121 0.0 24.5 36.7#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#43

Isopropyl Acetate

Concen: 11.111 ug/l

RT: 6.42 min Scan# 874

Delta R.T. -0.00 min

Lab File: VX017377.D

Acq: 14 Jul 2020 14:34

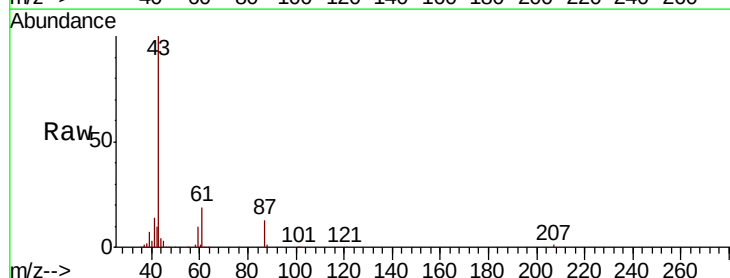
Tgt Ion: 43 Resp: 78808

Ion Ratio Lower Upper

43 100

61 20.1 16.4 24.6

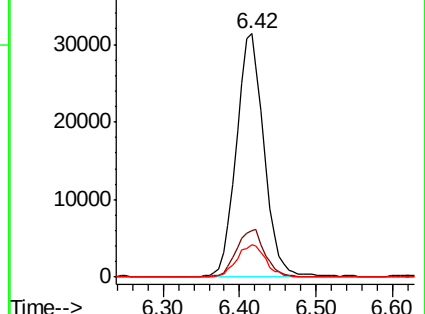
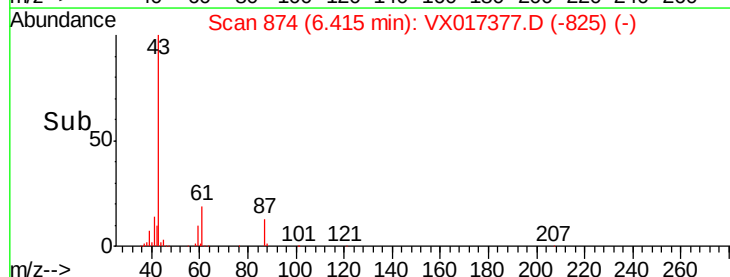
87 13.9 11.2 16.8

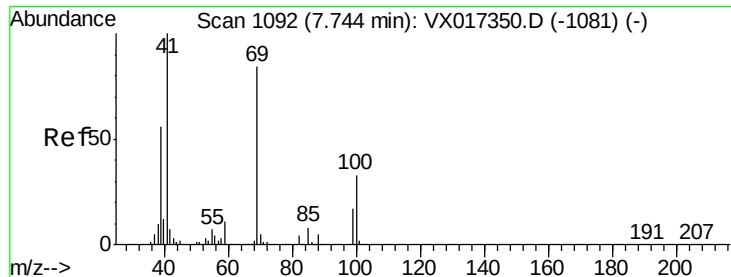


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

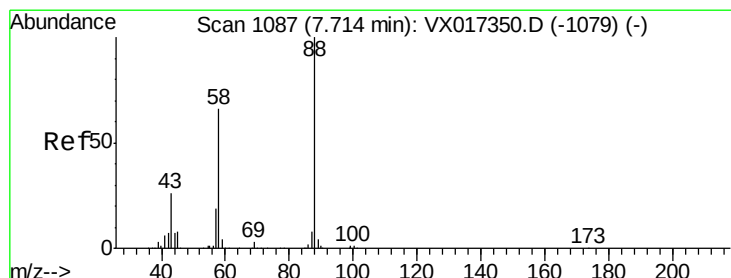
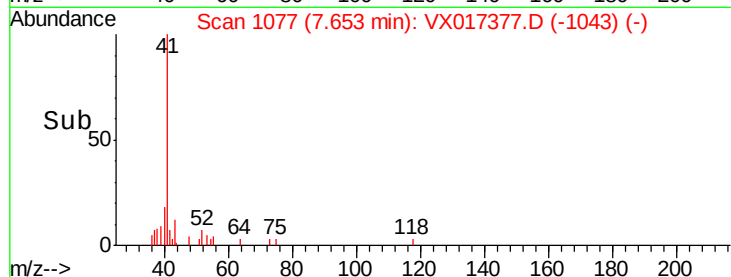
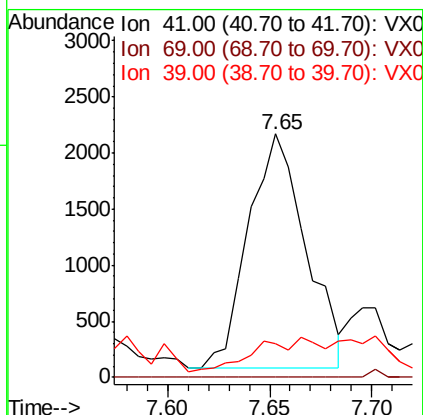
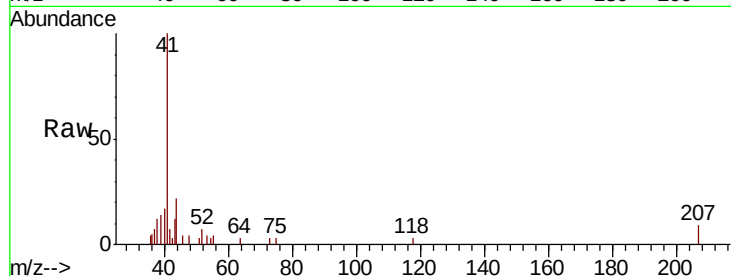




#48
Methvl methacrylate
Concen: 1.205 ug/l
RT: 7.65 min Scan# 1077
Delta R.T. -0.09 min
Lab File: VX017377.D
Acq: 14 Jul 2020 14:34

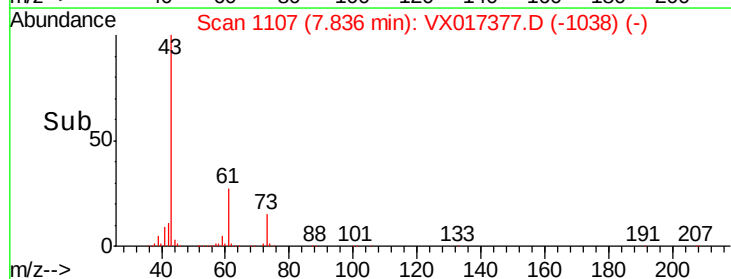
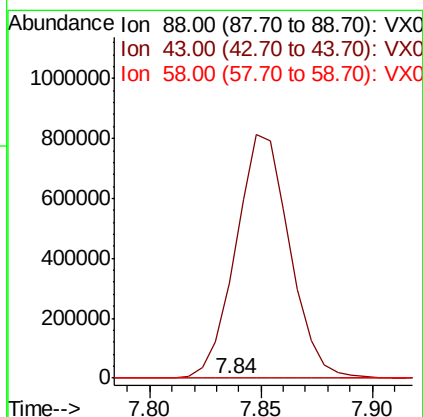
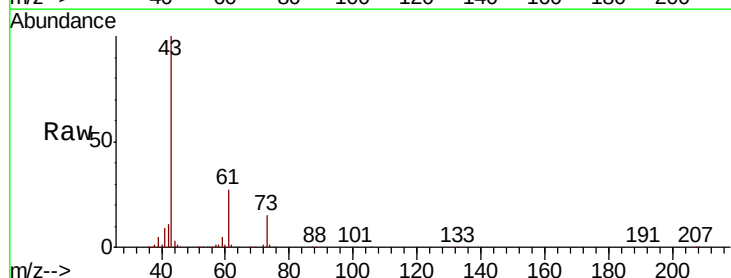
Instrument :
MSVOA_X
ClientSampleId :
PB130122ZHE#11

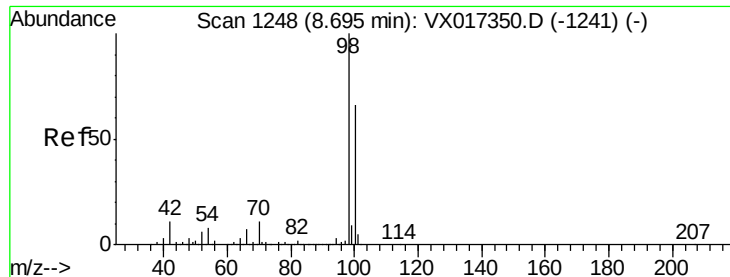
Tot Ion: 41 Resp: 4102
Ion Ratio Lower Upper
41 100
69 0.0 67.8 101.6#
39 0.0 45.1 67.7#



#49
1,4-Dioxane
Concen: 4.939 ug/l
RT: 7.84 min Scan# 1107
Delta R.T. 0.12 min
Lab File: VX017377.D
Acq: 14 Jul 2020 14:34

Tgt Ion: 88 Resp: 344
Ion Ratio Lower Upper
88 100
43 400358.4 25.6 38.4#
58 1907.8 53.9 80.9#

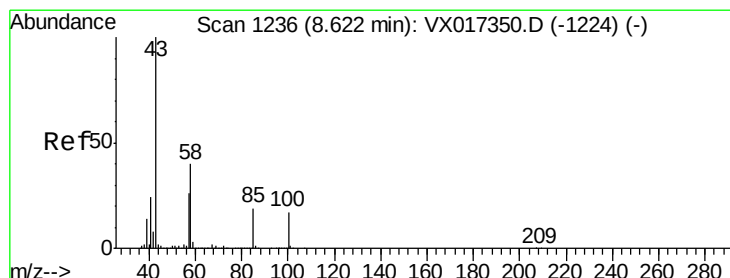
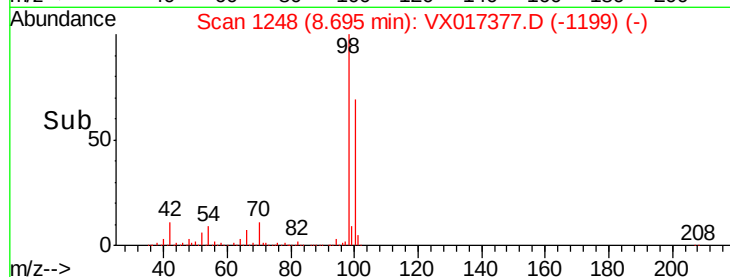
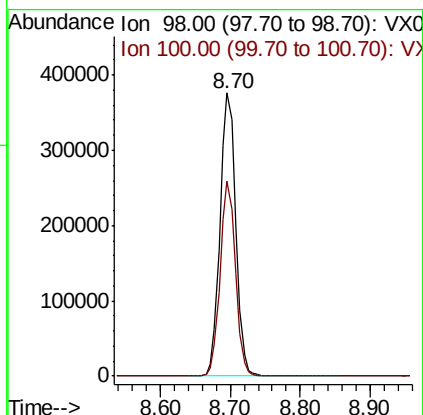
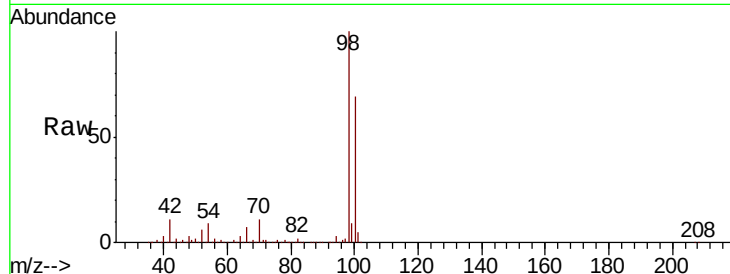




#50
Toluene-d8
Concen: 51.887 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. 0.00 min
Lab File: VX017377.D
Acq: 14 Jul 2020 14:34

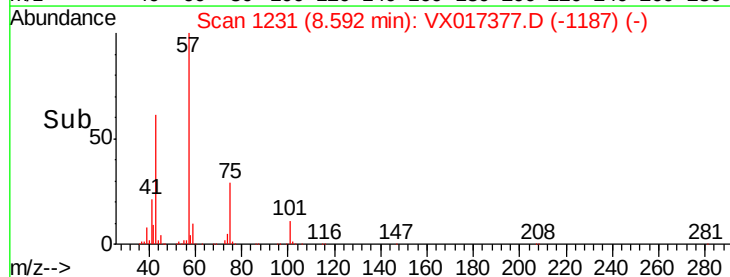
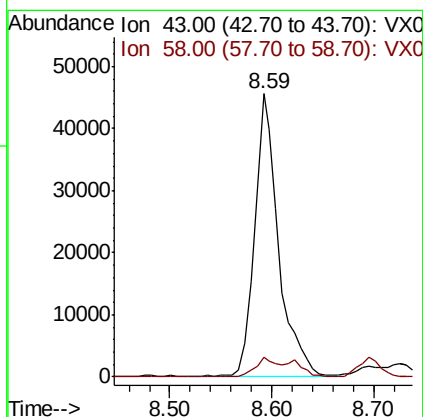
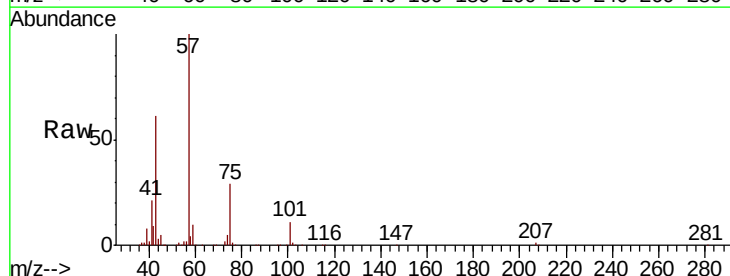
Instrument :
MSVOA_X
ClientSampleId :
PB130122ZHE#11

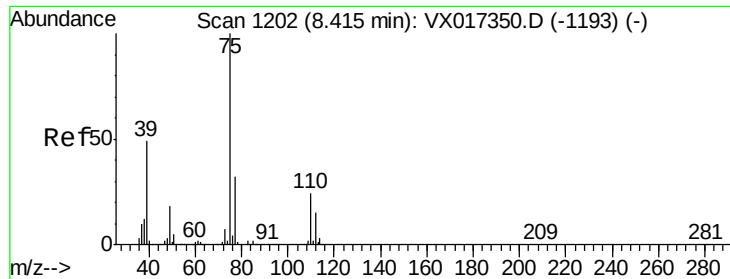
Tot Ion: 98 Resp: 588333
Ion Ratio Lower Upper
98 100
100 67.0 53.4 80.2



#51
4-Methyl-2-Pentanone
Concen: 17.280 ug/l
RT: 8.59 min Scan# 1231
Delta R.T. -0.03 min
Lab File: VX017377.D
Acq: 14 Jul 2020 14:34

Tgt Ion: 43 Resp: 74735
Ion Ratio Lower Upper
43 100
58 6.5 32.2 48.2#



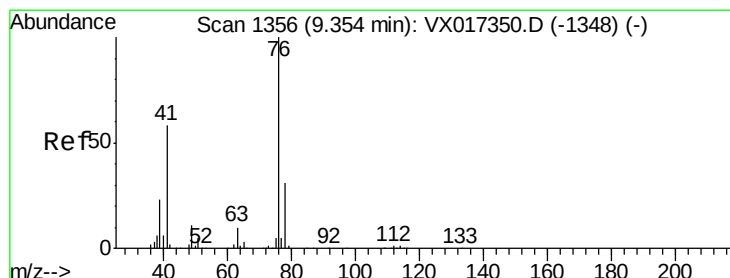
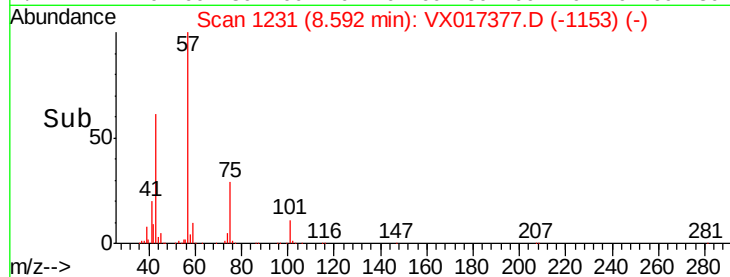
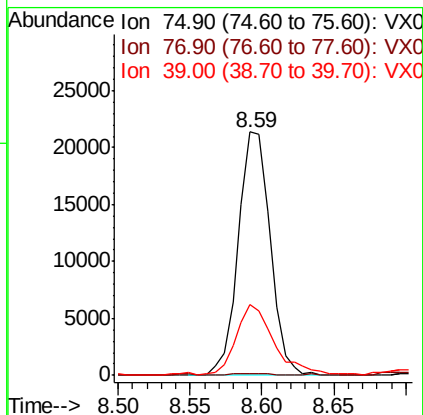
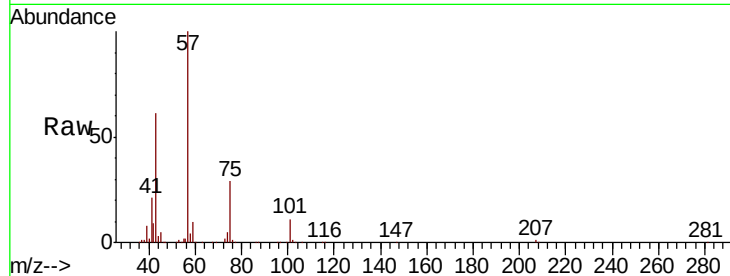


#54

cis-1,3-Dichloropropene
 Concen: 6.026 ug/l
 RT: 8.59 min Scan# 1231
 Delta R.T. 0.18 min
 Lab File: VX017377.D
 Acq: 14 Jul 2020 14:34

Instrument :
 MSVOA_X
 ClientSampleId :
 PB130122ZHE#11

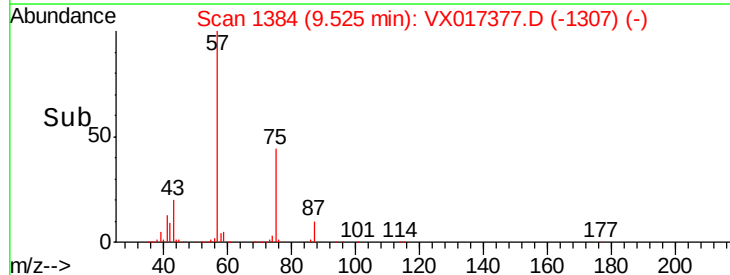
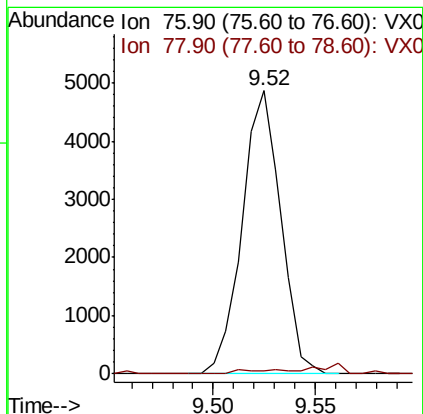
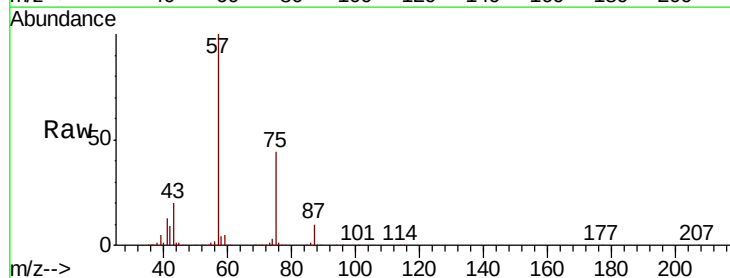
Tot Ion: 75 Resp: 32951
 Ion Ratio Lower Upper
 75 100
 77 0.7 25.3 37.9#
 39 28.3 38.9 58.3#

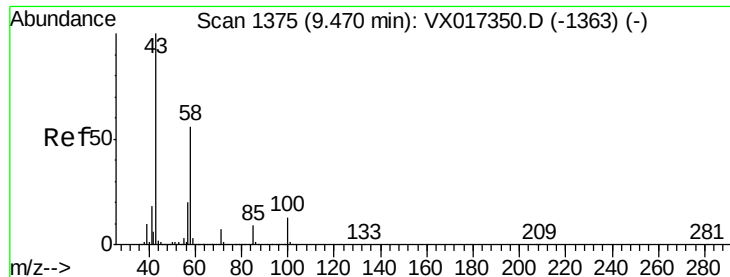


#57

1,3-Dichloropropane
 Concen: 1.162 ug/l
 RT: 9.52 min Scan# 1384
 Delta R.T. 0.17 min
 Lab File: VX017377.D
 Acq: 14 Jul 2020 14:34

Tgt Ion: 76 Resp: 6378
 Ion Ratio Lower Upper
 76 100
 78 1.0 25.8 38.6#

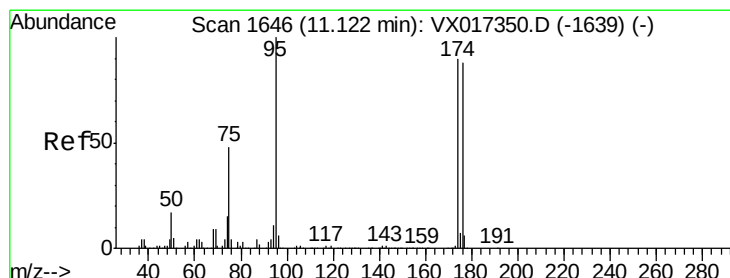
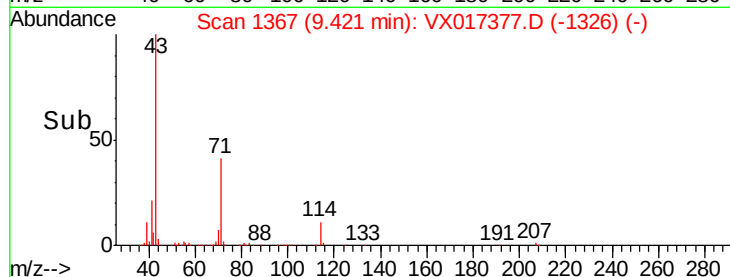
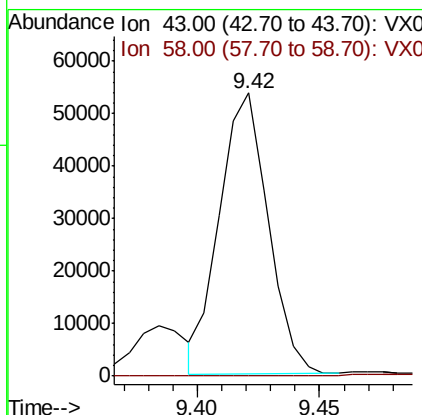
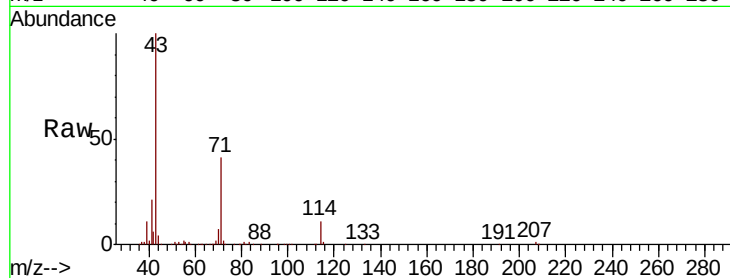




#59
2-Hexanone
Concen: 22.606 ug/l
RT: 9.42 min Scan# 1367
Delta R.T. -0.05 min
Lab File: VX017377.D
Acq: 14 Jul 2020 14:34

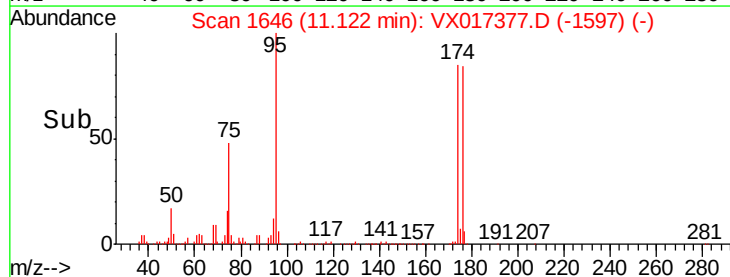
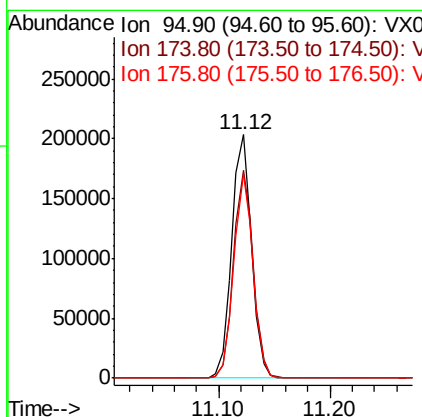
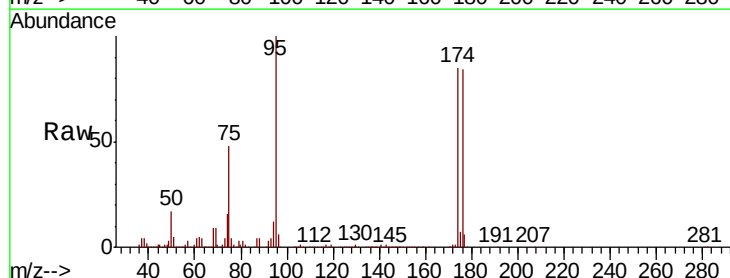
Instrument :
MSVOA_X
ClientSampleId :
PB130122ZHE#11

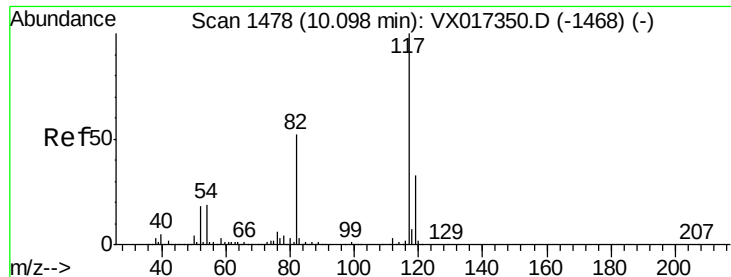
Tot Ion: 43 Resp: 73793
Ion Ratio Lower Upper
43 100
58 0.0 28.1 84.3#



#62
4-Bromofluorobenzene
Concen: 55.411 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. -0.00 min
Lab File: VX017377.D
Acq: 14 Jul 2020 14:34

Tgt Ion: 95 Resp: 249569
Ion Ratio Lower Upper
95 100
174 85.2 0.0 175.8
176 81.8 0.0 164.6

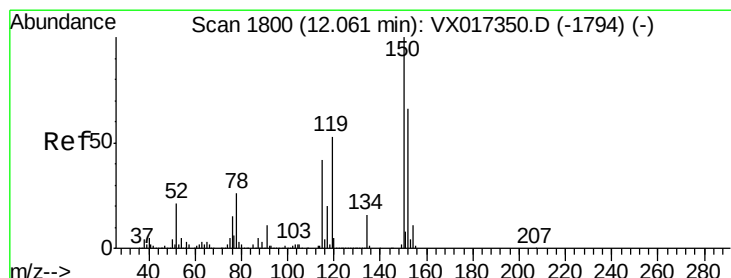
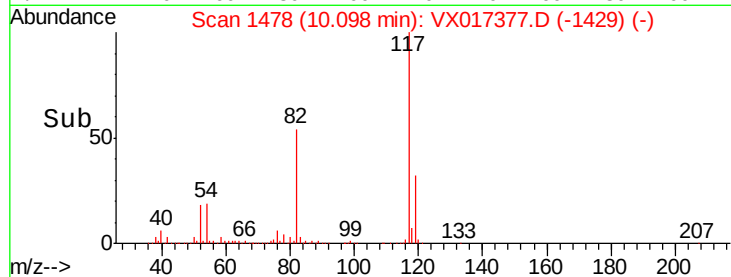
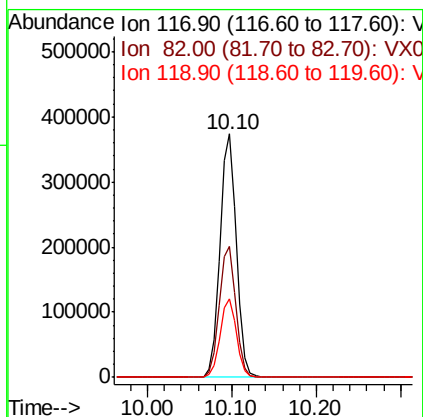
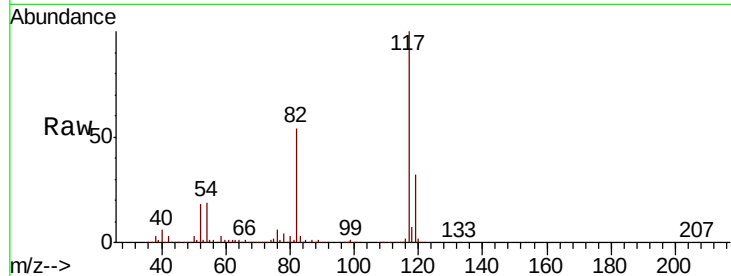




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX017377.D
Acq: 14 Jul 2020 14:34

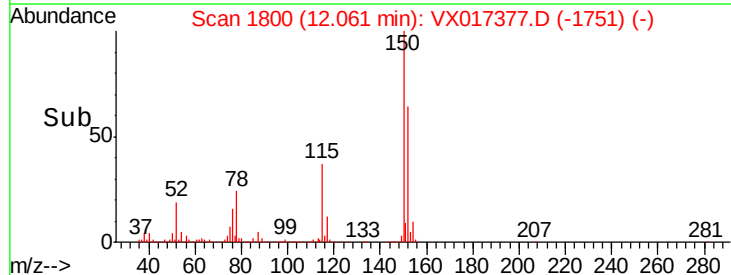
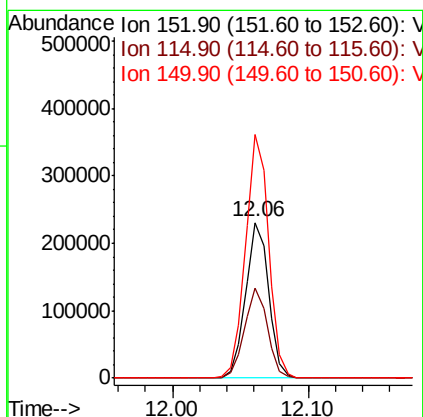
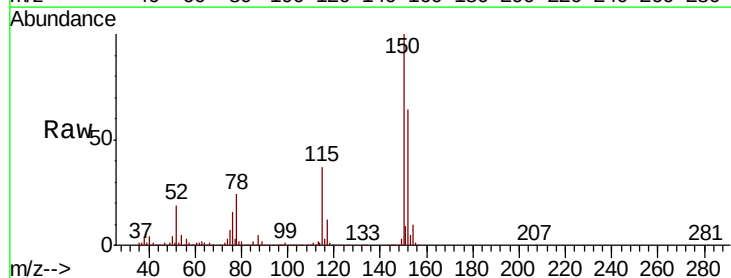
Instrument :
MSVOA_X
ClientSampleId :
PB130122ZHE#11

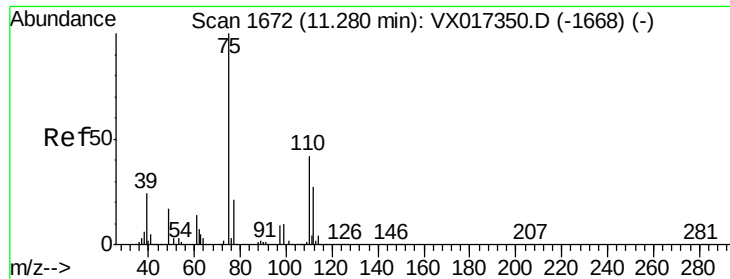
Tot Ion	Ratio	Lower	Upper
117	100		
82	53.6	42.0	63.0
119	32.5	26.3	39.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. 0.00 min
Lab File: VX017377.D
Acq: 14 Jul 2020 14:34

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.5	39.9	119.7
150	156.5	0.0	343.4

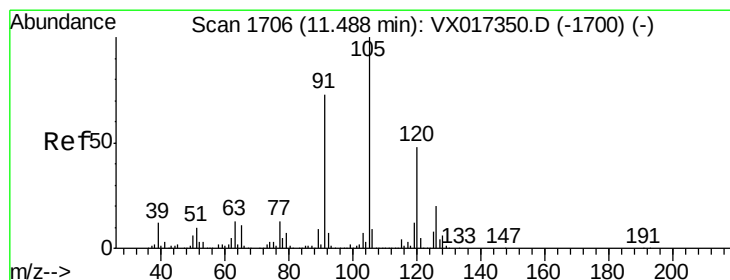
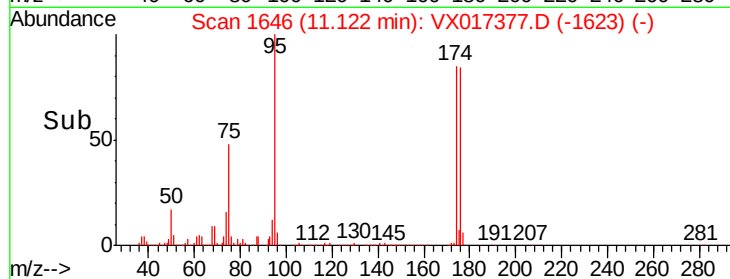
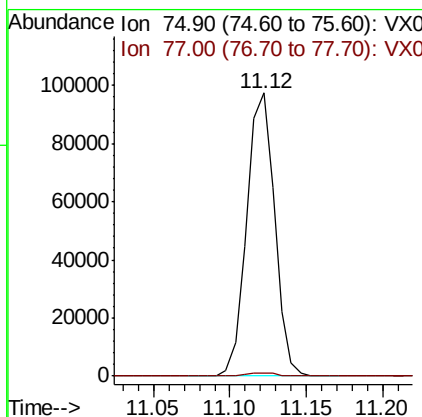
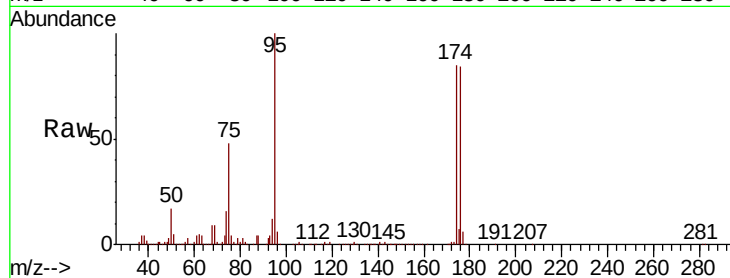




#76
 1,2,3-Trichloropropane
 Concen: 24.472 ug/l
 RT: 11.12 min Scan# 1646
 Delta R.T. -0.16 min
 Lab File: VX017377.D
 Acq: 14 Jul 2020 14:34

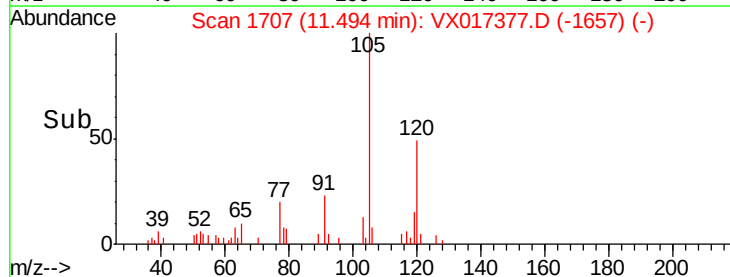
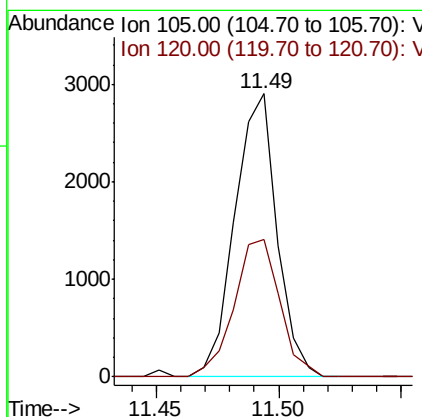
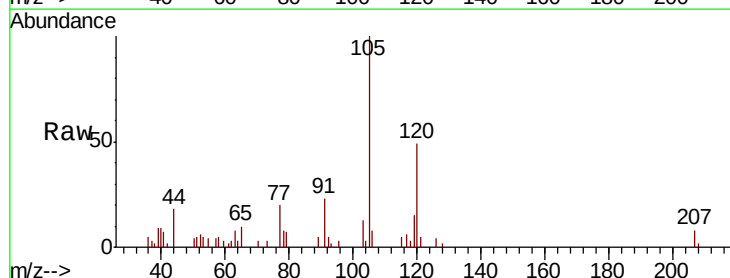
Instrument :
 MSVOA_X
 ClientSampleId :
 PB130122ZHE#11

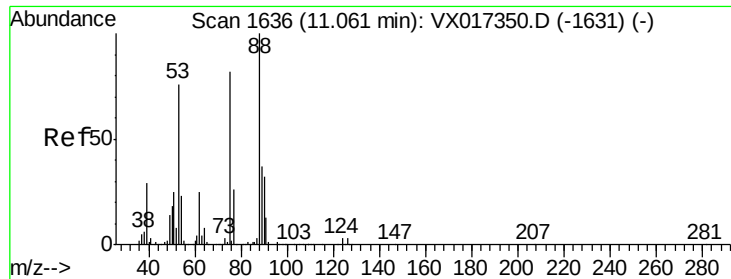
Tot Ion: 75 Resp: 123724
 Ion Ratio Lower Upper
 75 100
 77 1.3 20.3 60.9#



#80
 1,3,5-Trimethylbenzene
 Concen: 0.238 ug/l
 RT: 11.49 min Scan# 1707
 Delta R.T. 0.01 min
 Lab File: VX017377.D
 Acq: 14 Jul 2020 14:34

Tgt Ion: 105 Resp: 3461
 Ion Ratio Lower Upper
 105 100
 120 53.0 24.8 74.4





#81
 trans-1,4-Dichloro-2-butene
 Concen: 62.080 ug/l
 RT: 11.12 min Scan# 1646
 Delta R.T. 0.06 min
 Lab File: VX017377.D
 Acq: 14 Jul 2020 14:34

Instrument :
 MSVOA_X
 ClientSampleId :
 PB130122ZHE#11

Tot Ion: 75 Resp: 123724
 Ion Ratio Lower Upper
 75 100
 53 0.2 76.5 114.7#
 89 0.0 38.1 57.1#

