

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX121520\
 Data File : VX020033.D
 Acq On : 16 Dec 2020 00:19
 Operator : JC/MD
 Sample : VX1215WBL02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1215WBL02

Quant Time: Dec 16 01:39:58 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X120420W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 04 15:32:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.62	168	304957	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.82	114	512044	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.09	117	475402	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	206575	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	198682	49.57	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	99.14%		
35) Dibromofluoromethane	5.46	113	158305	47.84	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	95.68%		
50) Toluene-d8	8.70	98	619765	49.06	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	98.12%		
62) 4-Bromofluorobenzene	11.12	95	218513	45.44	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	90.88%		

Target Compounds

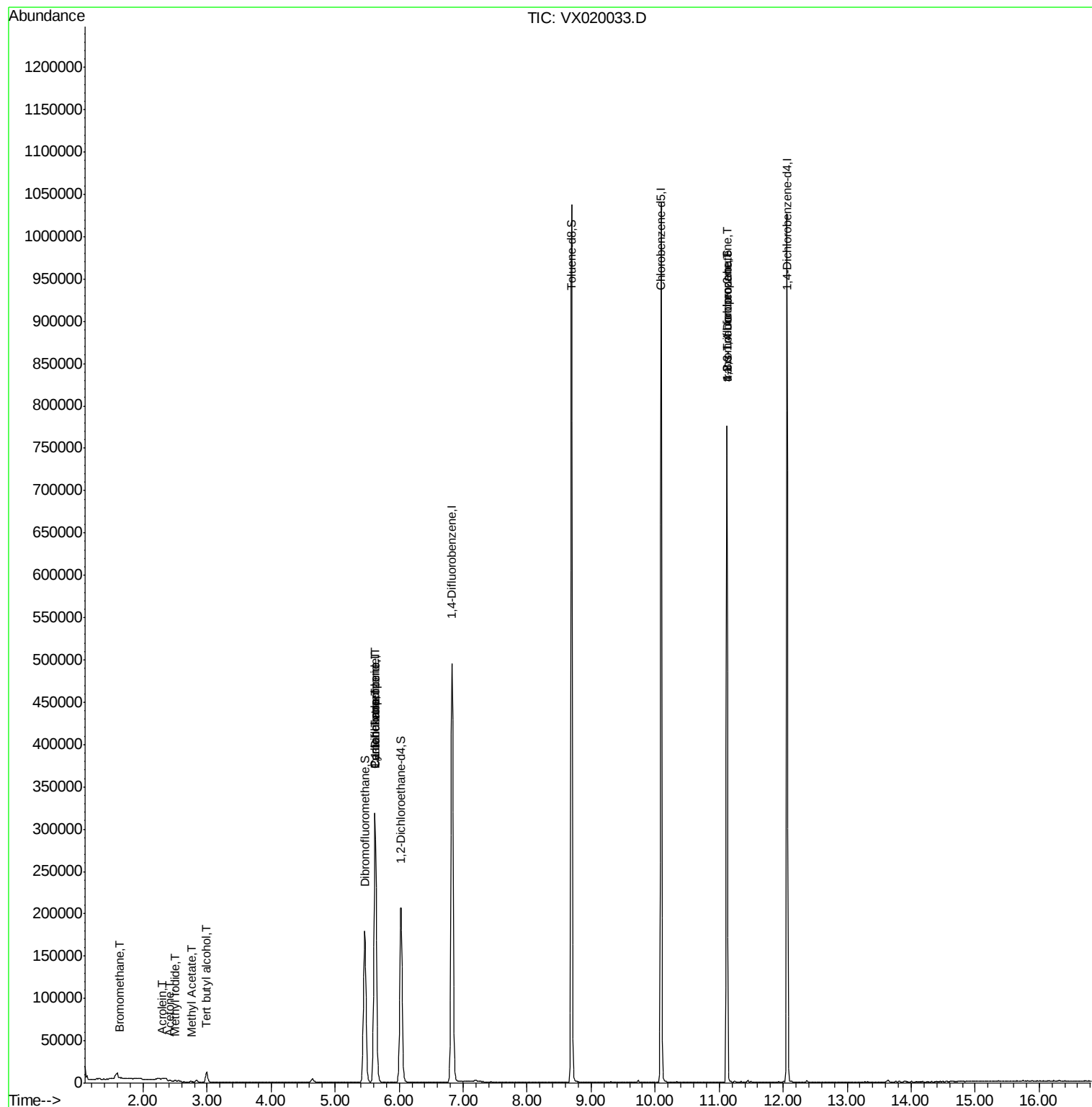
					Qvalue	
5) Bromomethane	1.63	94	581	0.505	ug/l #	73
10) Methyl Iodide	2.50	142	1590	0.390	ug/l	95
11) Tert butyl alcohol	2.99	59	7021	5.970	ug/l #	74
13) Acrolein	2.29	56	149	0.337	ug/l #	1
16) Acetone	2.42	43	1213	0.805	ug/l	88
18) Methyl Acetate	2.75	43	1211	0.328	ug/l #	74
20) Methylene Chloride	2.84	84	938	Below Cal	#	82
31) Cyclohexane	5.62	56	6119	1.227	ug/l #	1
36) 1,1-Dichloropropene	5.62	75	23727	5.128	ug/l #	48
38) Carbon Tetrachloride	5.62	117	30139	6.652	ug/l #	16
76) 1,2,3-Trichloropropane	11.12	75	106753	23.041	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.12	75	106753	66.608	ug/l #	12

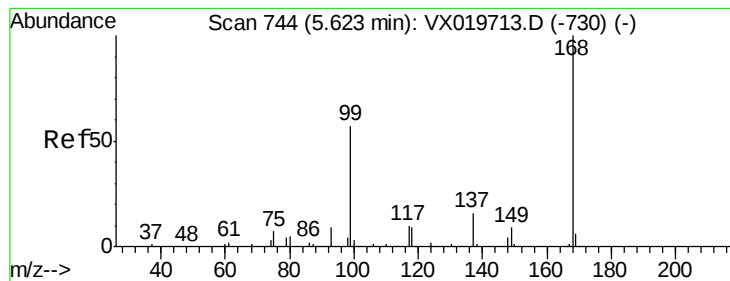
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Dec 16 01:39:58 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X120420W.M
Quant Title : SW846 8260
QLast Update : Fri Dec 04 15:32:53 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.62 min Scan# 744

Delta R.T. -0.00 min

Lab File: VX020033.D

Acq: 16 Dec 2020 00:19

Instrument :

MSVOA_X

ClientSampleId :

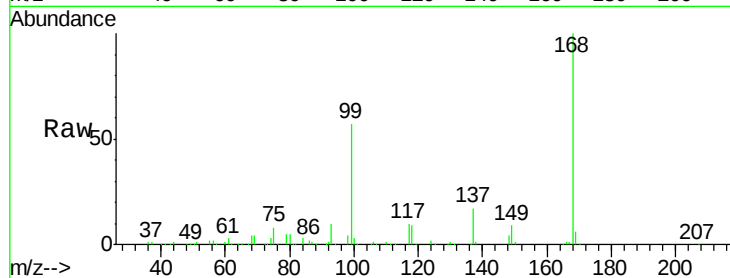
VX1215WBL02

Tgt Ion:168 Resp: 304957

Ion Ratio Lower Upper

168 100

99 57.4 45.8 68.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.62

120000

100000

80000

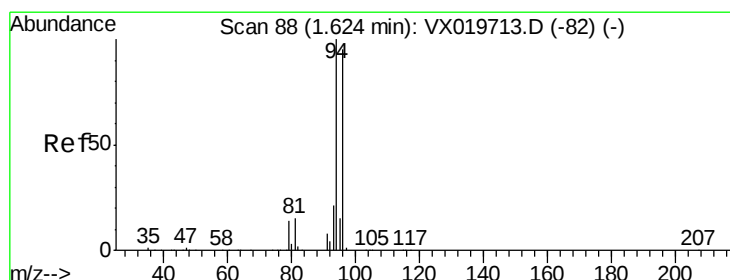
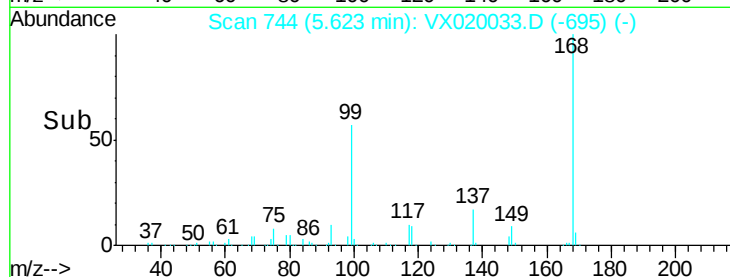
60000

40000

20000

0

Time-->



#5

Bromomethane

Concen: 0.505 ug/l

RT: 1.63 min Scan# 89

Delta R.T. 0.01 min

Lab File: VX020033.D

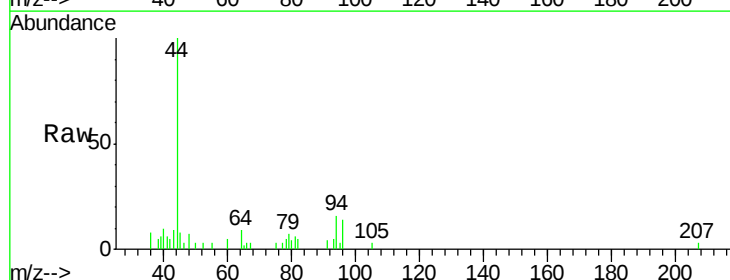
Acq: 16 Dec 2020 00:19

Tgt Ion: 94 Resp: 581

Ion Ratio Lower Upper

94 100

96 69.5 76.4 114.6#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.63

400

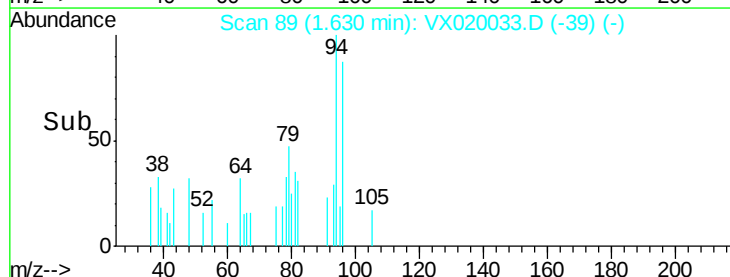
300

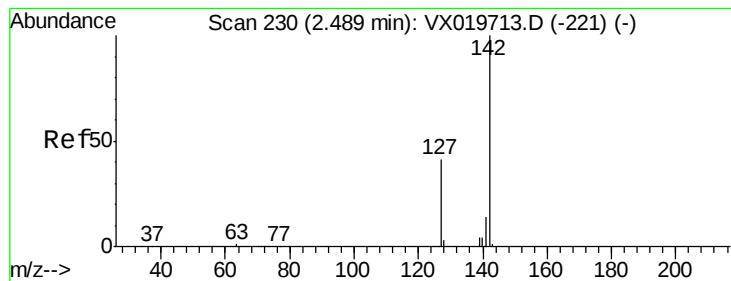
200

100

0

Time-->





#10

Methyl Iodide

Concen: 0.390 ug/l

RT: 2.50 min Scan# 231

Delta R.T. 0.01 min

Lab File: VX020033.D

Acq: 16 Dec 2020 00:19

Instrument :

MSVOA_X

ClientSampled :

VX1215WBL02

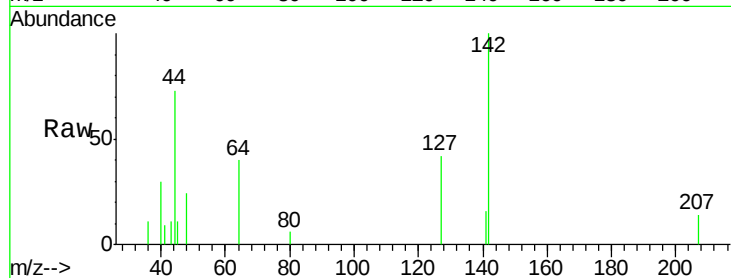
Tgt Ion: 142 Resp: 1590

Ion Ratio Lower Upper

142 100

127 39.1 33.3 49.9

141 11.7 11.4 17.0



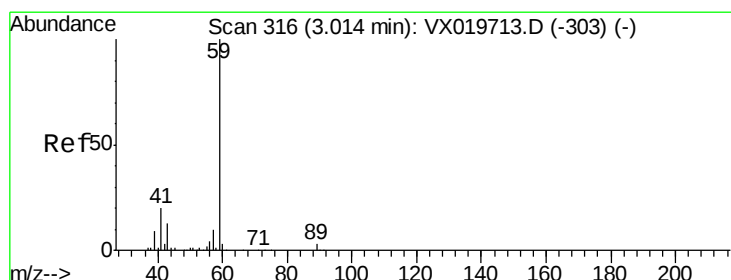
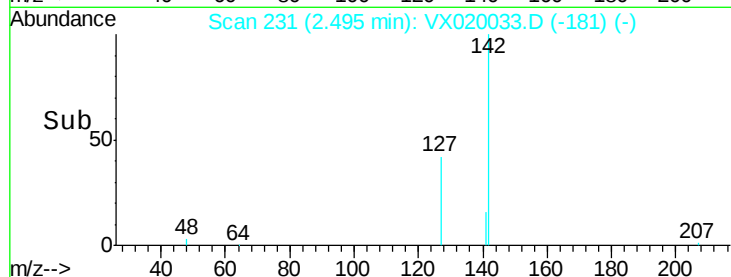
Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

Time-->

2.45 2.50 2.55



#11

Tert butyl alcohol

Concen: 5.970 ug/l

RT: 2.99 min Scan# 312

Delta R.T. -0.02 min

Lab File: VX020033.D

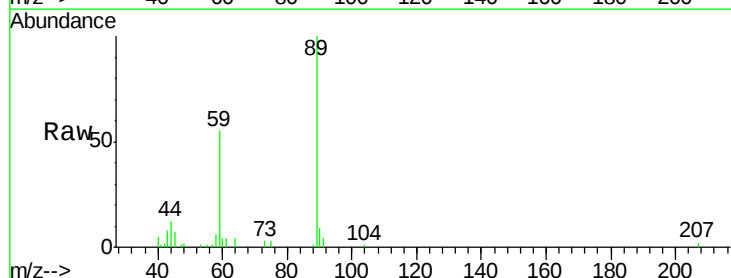
Acq: 16 Dec 2020 00:19

Tgt Ion: 59 Resp: 7021

Ion Ratio Lower Upper

59 100

57 0.3 7.8 11.8#

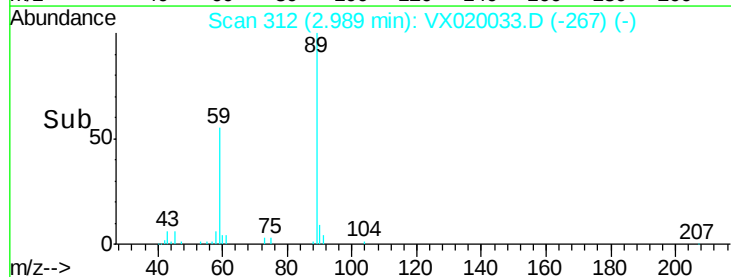


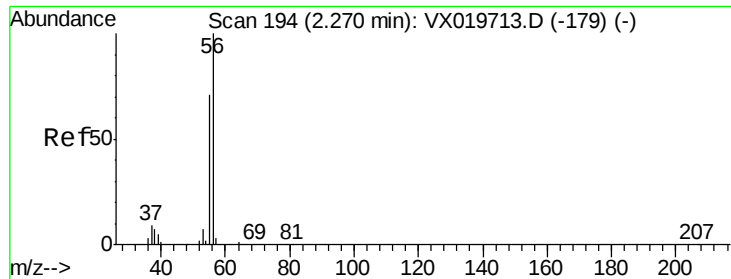
Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

Time-->

2.90 2.95 3.00 3.05





#13

Acrolein

Concen: 0.337 ug/l

RT: 2.29 min Scan# 197

Delta R.T. 0.02 min

Lab File: VX020033.D

Acq: 16 Dec 2020 00:19

Instrument :

MSVOA_X

ClientSampleId :

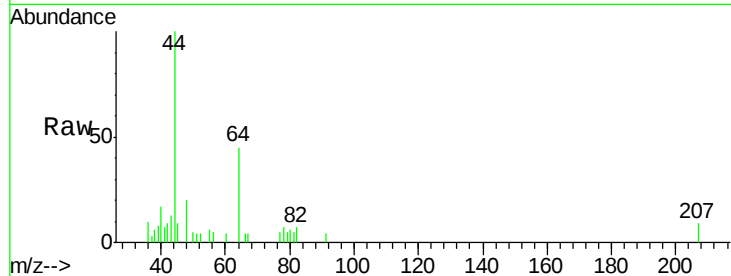
VX1215WBL02

Tgt Ion: 56 Resp: 149

Ion Ratio Lower Upper

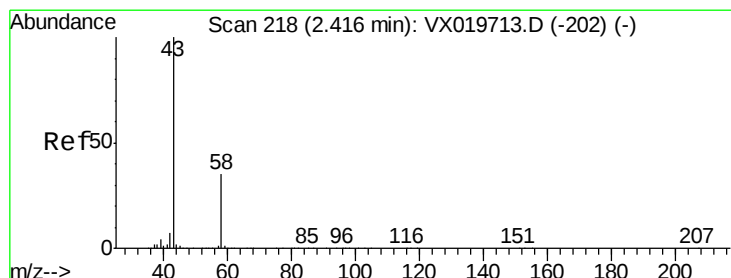
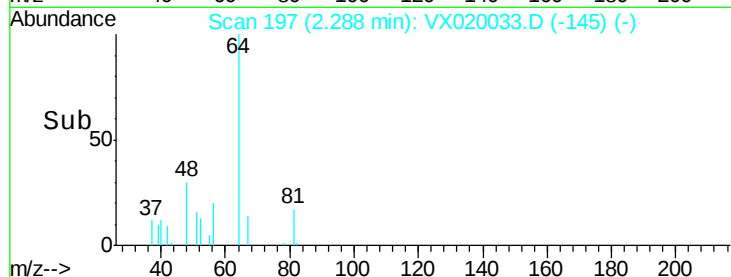
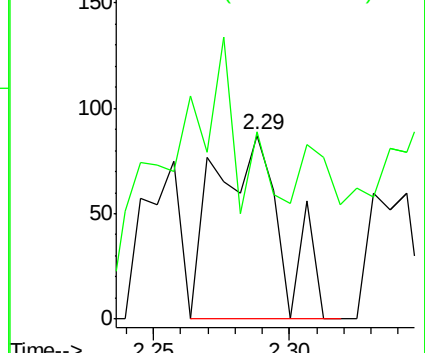
56 100

55 206.0 56.4 84.6#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#16

Acetone

Concen: 0.805 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.00 min

Lab File: VX020033.D

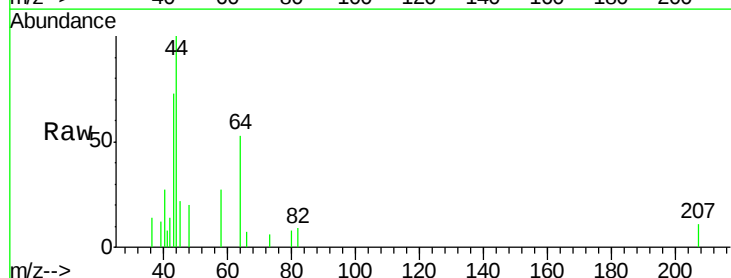
Acq: 16 Dec 2020 00:19

Tgt Ion: 43 Resp: 1213

Ion Ratio Lower Upper

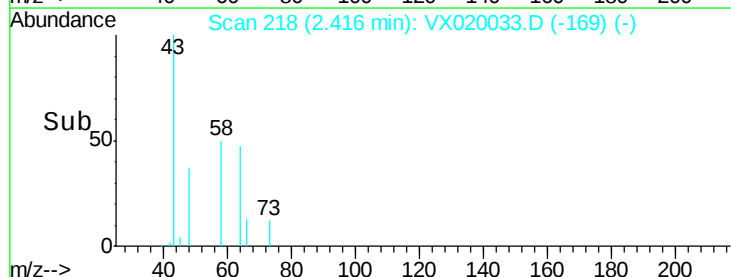
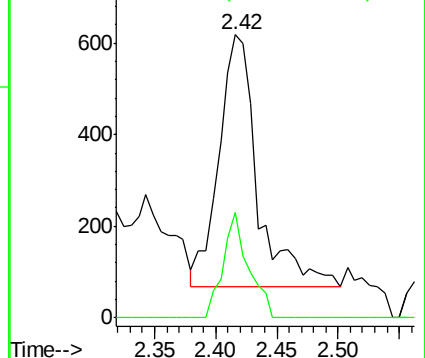
43 100

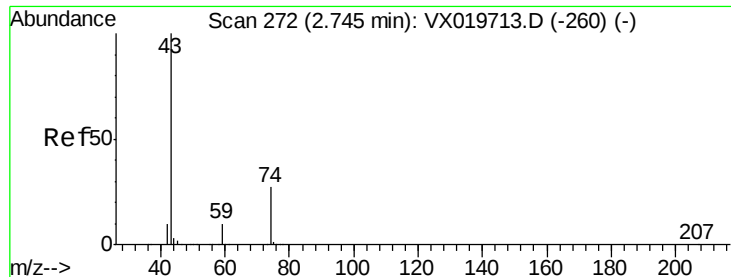
58 41.6 27.8 41.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

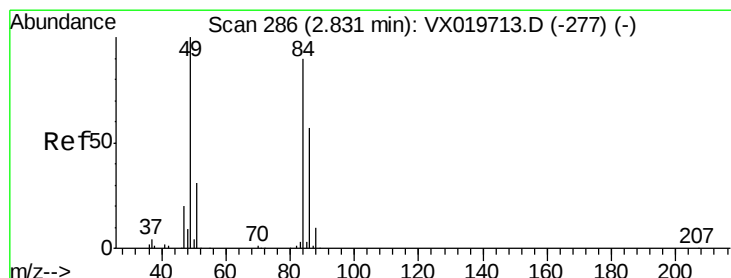
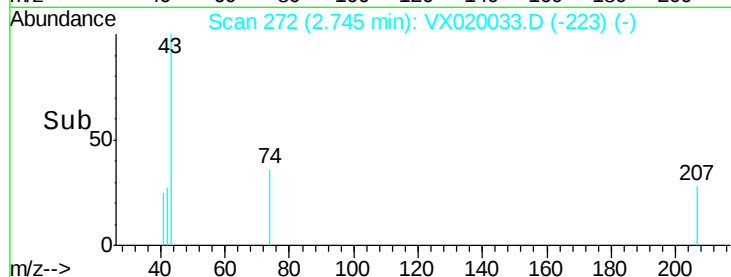
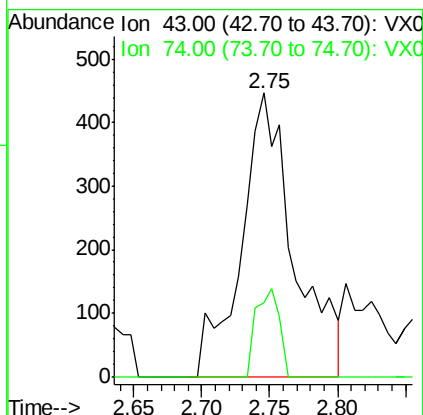
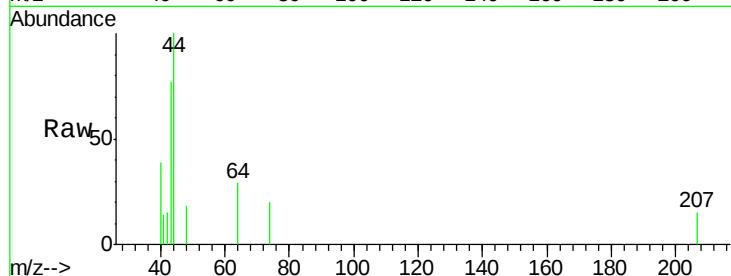




#18
Methyl Acetate
Concen: 0.328 ug/l
RT: 2.75 min Scan# 272
Delta R.T. -0.00 min
Lab File: VX020033.D
Acq: 16 Dec 2020 00:19

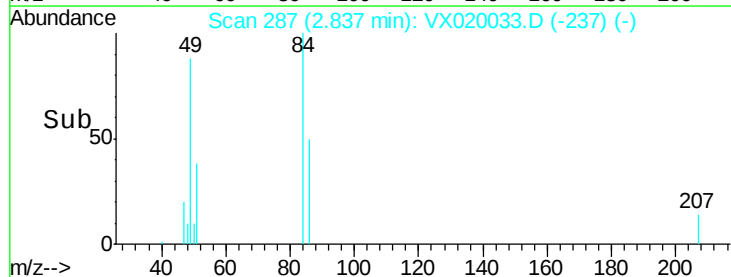
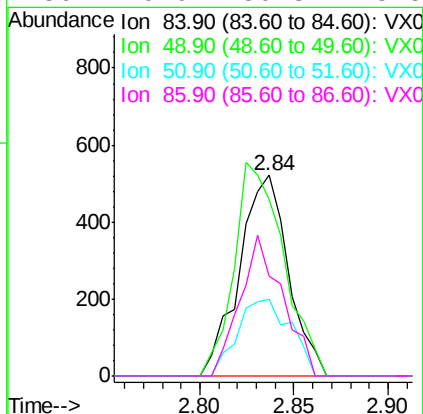
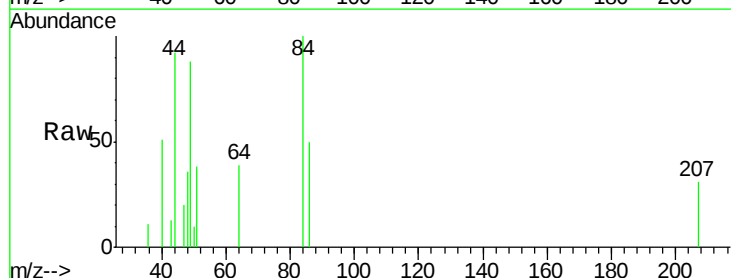
Instrument :
MSVOA_X
ClientSampleId :
VX1215WBL02

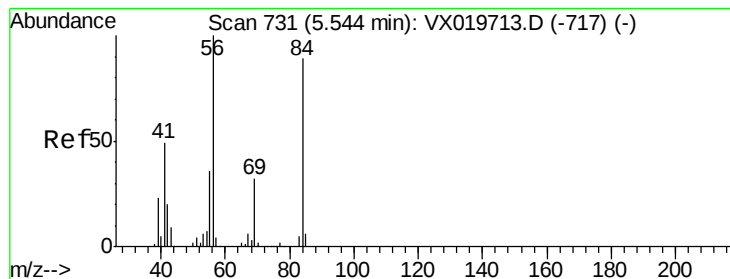
Tgt Ion: 43 Resp: 1211
Ion Ratio Lower Upper
43 100
74 13.8 21.9 32.9#



#20
Methylene Chloride
Concen: Below Cal
RT: 2.84 min Scan# 287
Delta R.T. 0.01 min
Lab File: VX020033.D
Acq: 16 Dec 2020 00:19

Tgt Ion: 84 Resp: 938
Ion Ratio Lower Upper
84 100
49 87.9 88.6 132.8#
51 38.2 27.0 40.6
86 49.9 50.3 75.5#





#31

Cyclohexane

Concen: 1.227 ug/l

RT: 5.62 min Scan# 744

Delta R.T. 0.08 min

Lab File: VX020033.D

Acq: 16 Dec 2020 00:19

Instrument :

MSVOA_X

ClientSampleId :

VX1215WBL02

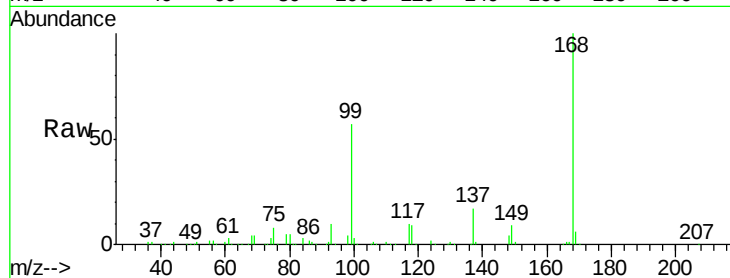
Tgt Ion: 56 Resp: 6119

Ion Ratio Lower Upper

56 100

69 189.2 25.3 37.9#

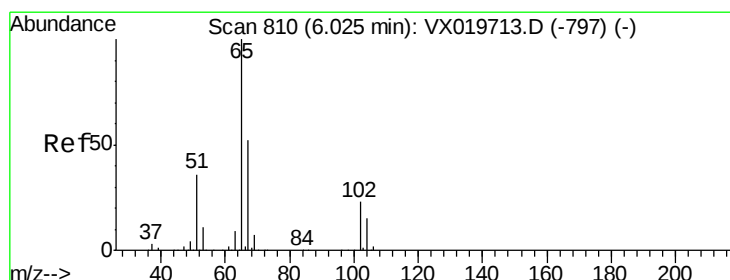
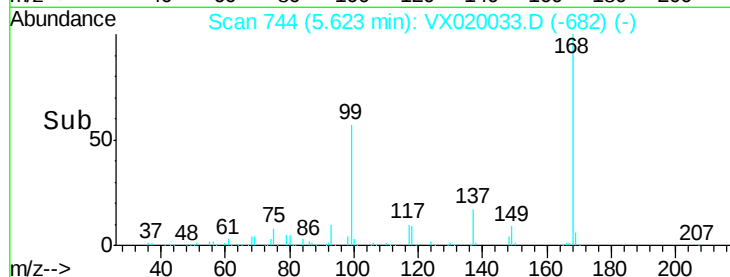
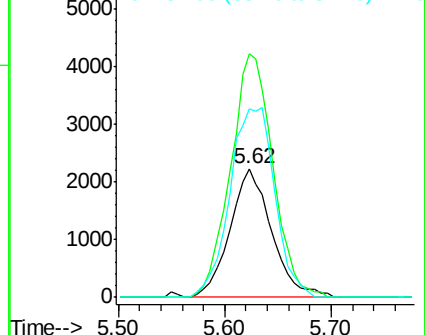
84 147.0 71.4 107.0#



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: 49.571 ug/l

RT: 6.03 min Scan# 811

Delta R.T. 0.01 min

Lab File: VX020033.D

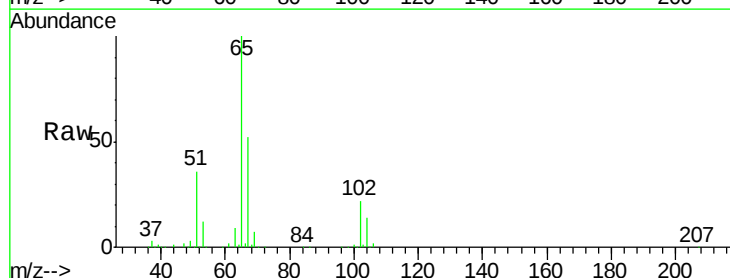
Acq: 16 Dec 2020 00:19

Tgt Ion: 65 Resp: 198682

Ion Ratio Lower Upper

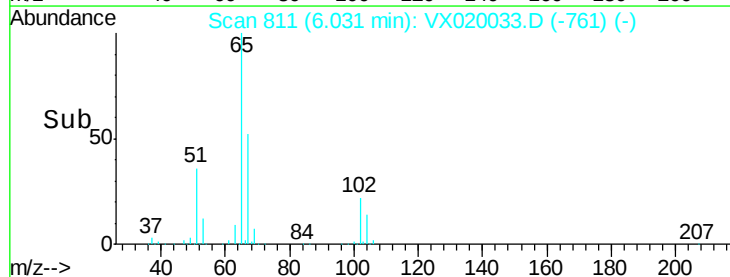
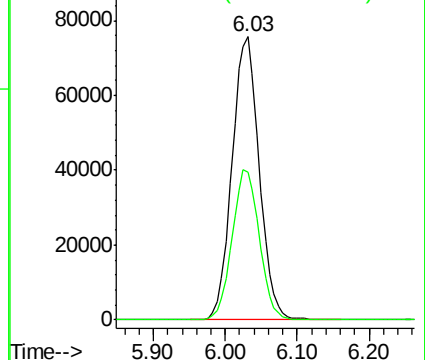
65 100

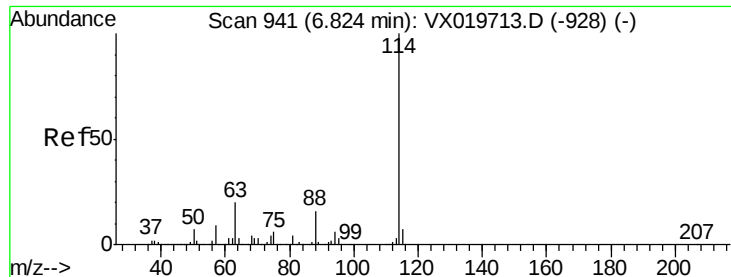
67 53.0 0.0 105.4



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.82 min Scan# 941

Delta R.T. -0.00 min

Lab File: VX020033.D

Acq: 16 Dec 2020 00:19

Instrument :

MSVOA_X

ClientSampleId :

VX1215WBL02

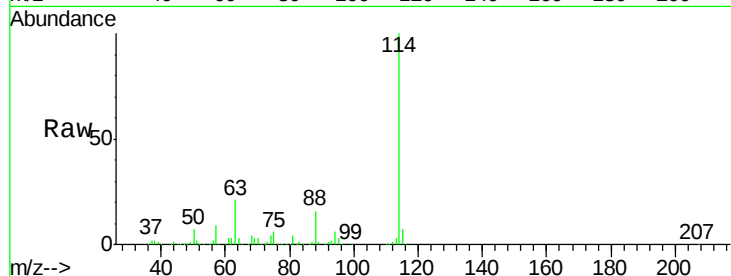
Tgt Ion:114 Resp: 512044

Ion Ratio Lower Upper

114 100

63 20.8 0.0 40.8

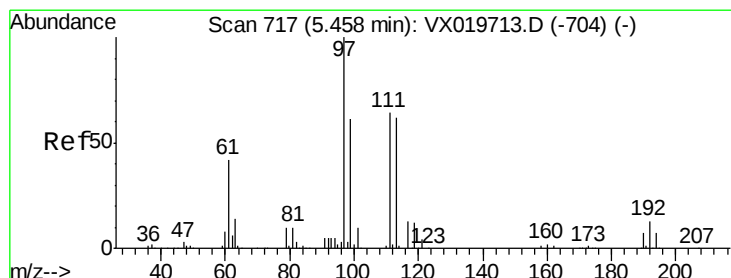
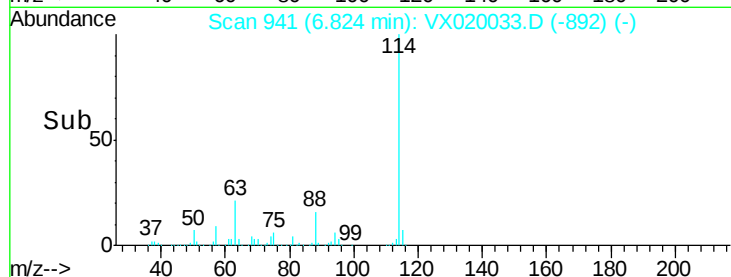
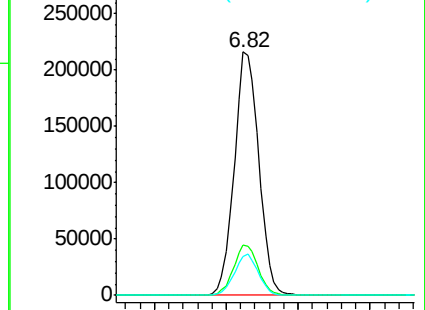
88 16.1 0.0 32.8



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



#35

Dibromofluoromethane

Concen: 47.837 ug/l

RT: 5.46 min Scan# 718

Delta R.T. 0.01 min

Lab File: VX020033.D

Acq: 16 Dec 2020 00:19

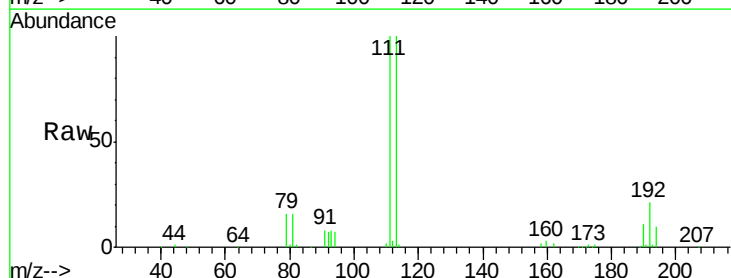
Tgt Ion:113 Resp: 158305

Ion Ratio Lower Upper

113 100

111 102.2 81.9 122.9

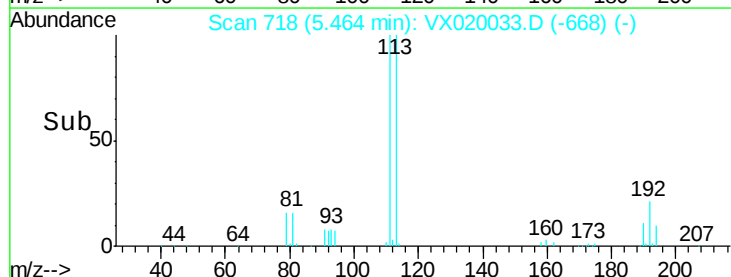
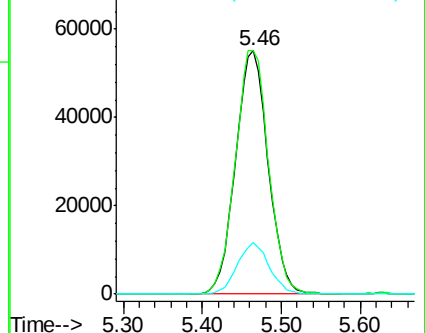
192 20.9 16.7 25.1

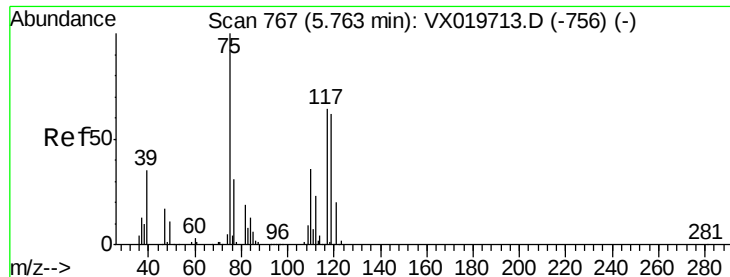


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

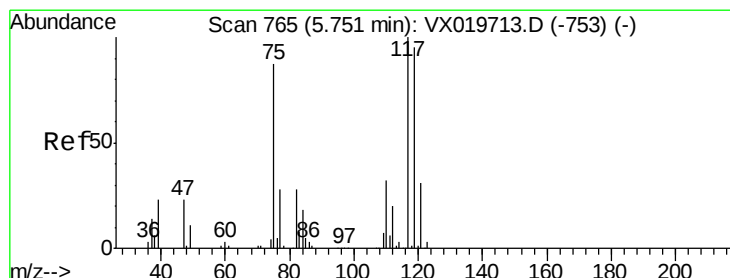
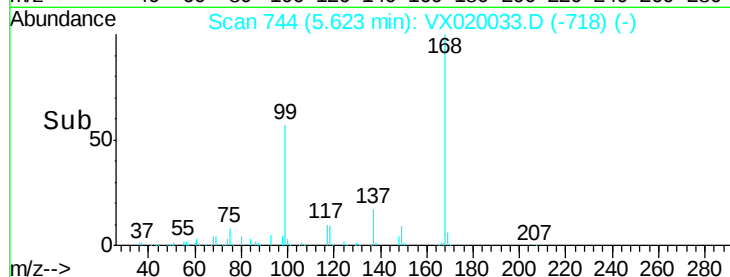
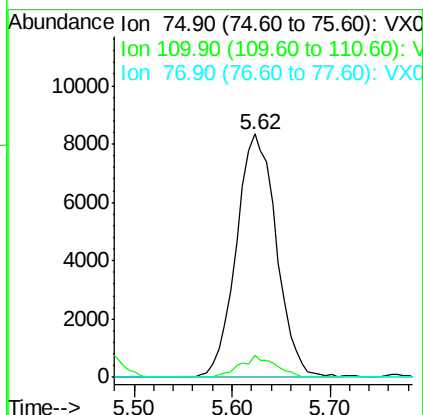
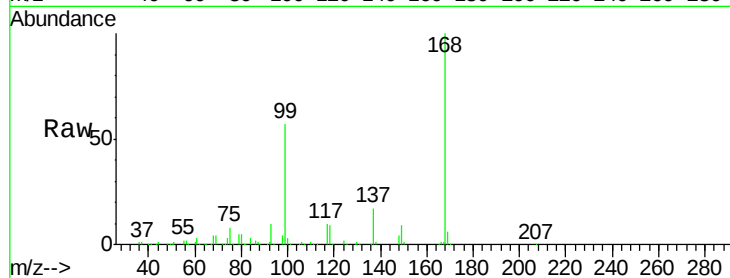




#36
 1,1-Dichloropropene
 Concen: 5.128 ug/l
 RT: 5.62 min Scan# 744
 Delta R.T. -0.14 min
 Lab File: VX020033.D
 Acq: 16 Dec 2020 00:19

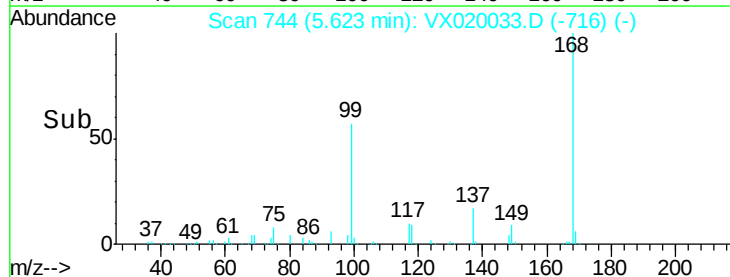
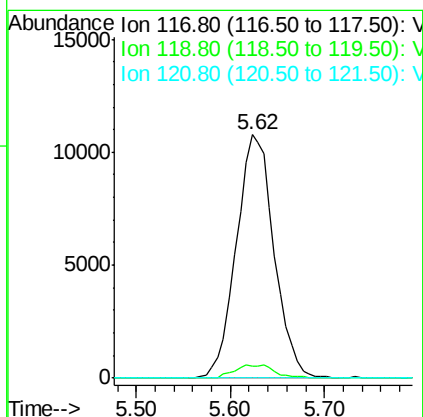
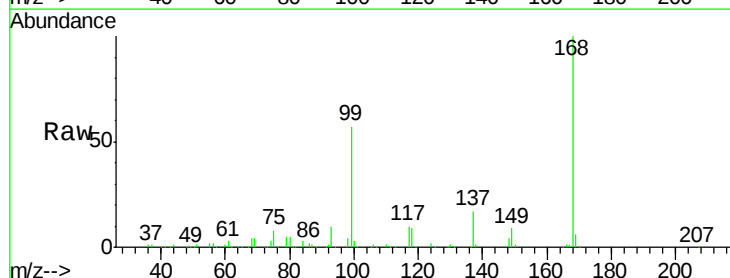
Instrument :
 MSVOA_X
 ClientSampleId :
 VX1215WBL02

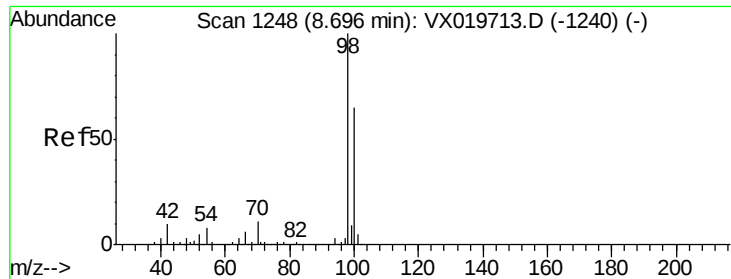
Tgt Ion: 75 Resp: 23727
 Ion Ratio Lower Upper
 75 100
 110 7.8 18.1 54.4#
 77 0.0 25.3 37.9#



#38
 Carbon Tetrachloride
 Concen: 6.652 ug/l
 RT: 5.62 min Scan# 744
 Delta R.T. -0.13 min
 Lab File: VX020033.D
 Acq: 16 Dec 2020 00:19

Tgt Ion: 117 Resp: 30139
 Ion Ratio Lower Upper
 117 100
 119 4.8 76.2 114.2#
 121 0.0 24.8 37.2#

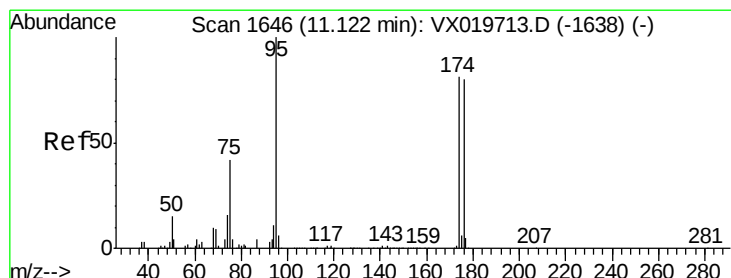
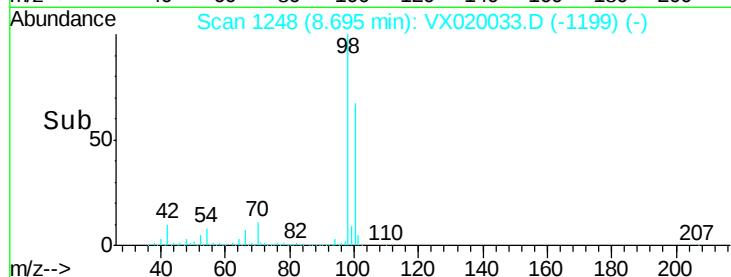
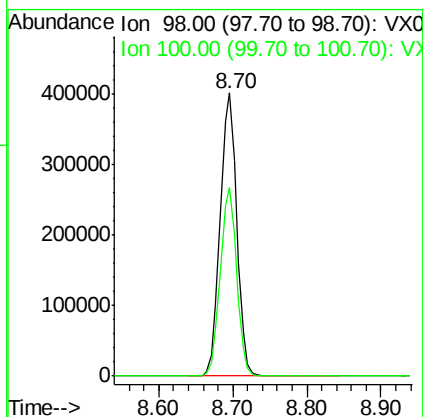
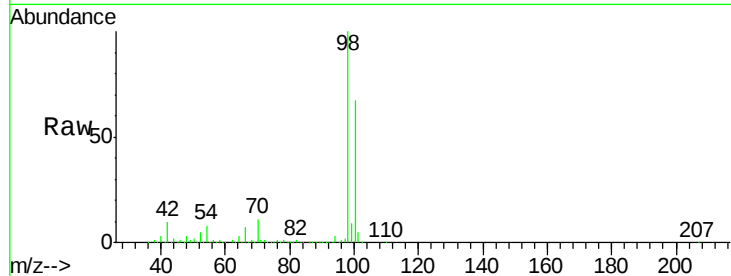




#50
Toluene-d8
Concen: 49.056 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VX020033.D
Acq: 16 Dec 2020 00:19

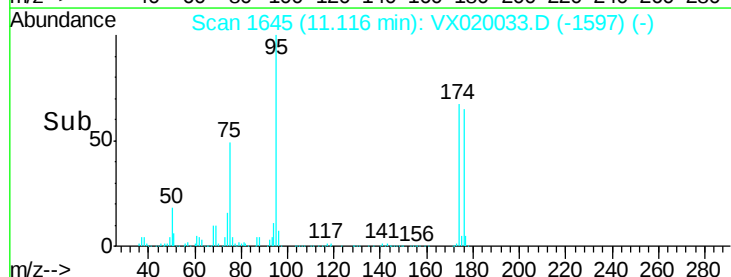
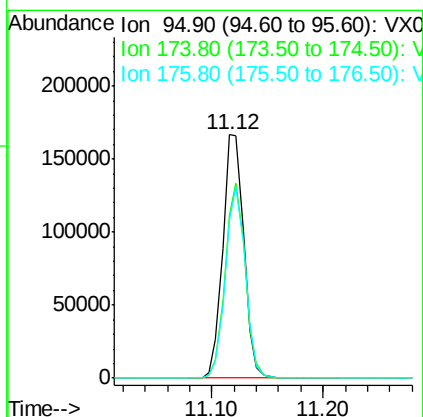
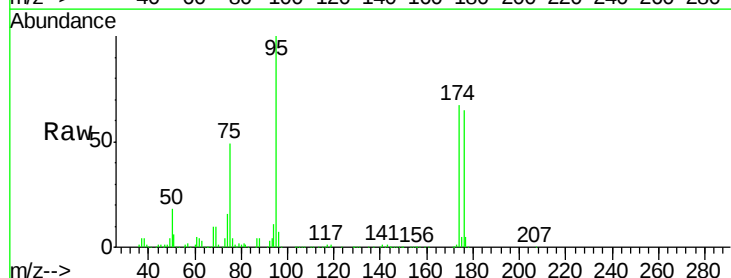
Instrument :
MSVOA_X
ClientSampleId :
VX1215WBL02

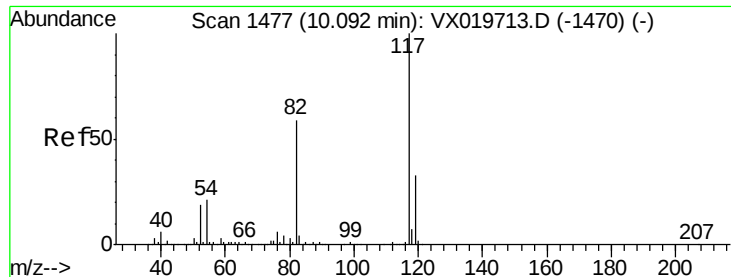
Tgt Ion: 98 Resp: 619765
Ion Ratio Lower Upper
98 100
100 65.7 51.9 77.9



#62
4-Bromofluorobenzene
Concen: 45.442 ug/l
RT: 11.12 min Scan# 1645
Delta R.T. -0.01 min
Lab File: VX020033.D
Acq: 16 Dec 2020 00:19

Tgt Ion: 95 Resp: 218513
Ion Ratio Lower Upper
95 100
174 76.2 0.0 154.6
176 74.4 0.0 155.8

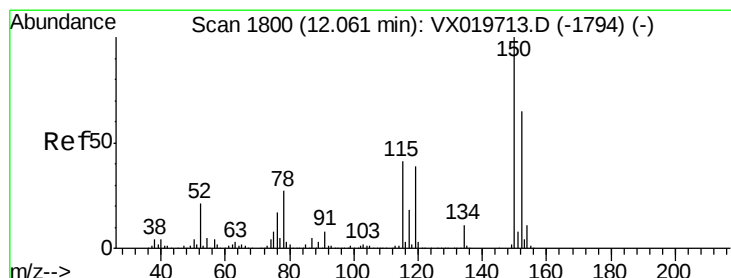
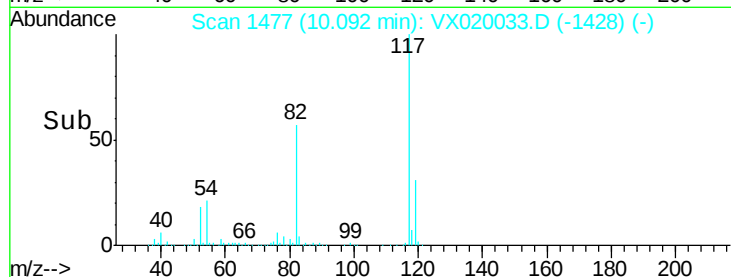
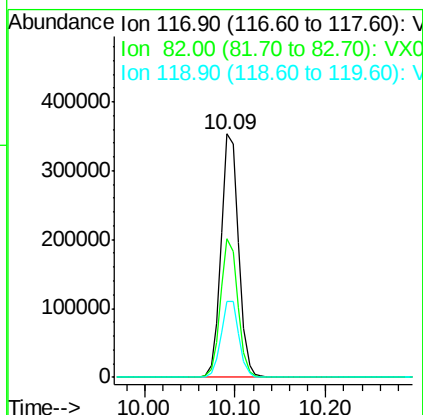
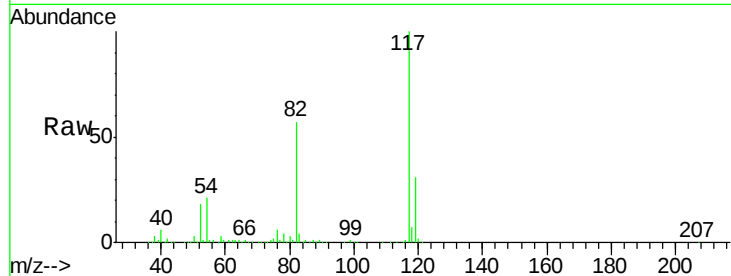




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.09 min Scan# 1477
Delta R.T. -0.00 min
Lab File: VX020033.D
Acq: 16 Dec 2020 00:19

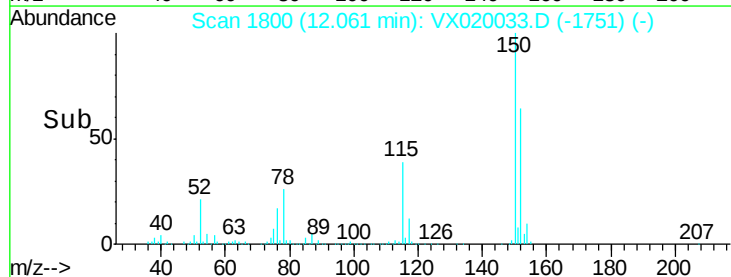
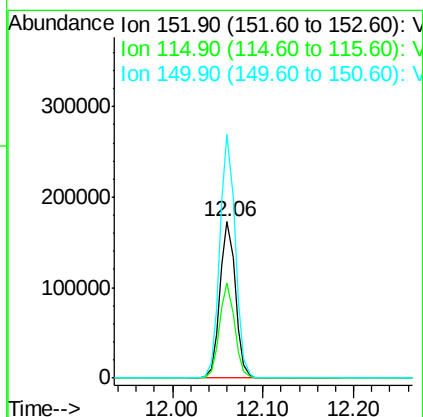
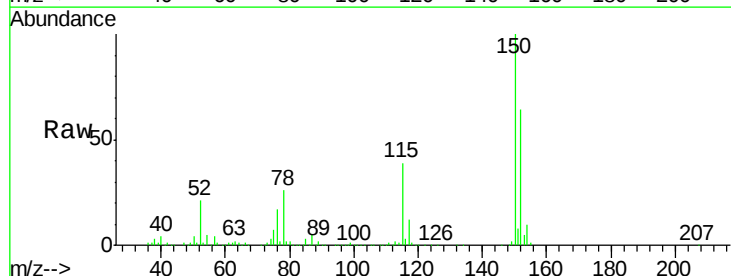
Instrument :
MSVOA_X
ClientSampleId :
VX1215WBL02

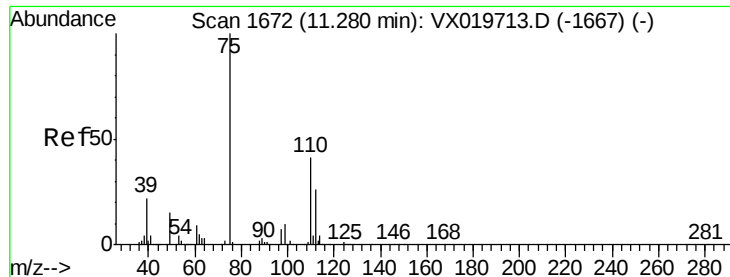
Tgt Ion:117 Resp: 475402
Ion Ratio Lower Upper
117 100
82 57.2 47.4 71.2
119 31.4 26.6 39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VX020033.D
Acq: 16 Dec 2020 00:19

Tgt Ion:152 Resp: 206575
Ion Ratio Lower Upper
152 100
115 59.8 41.1 123.3
150 155.0 0.0 349.0

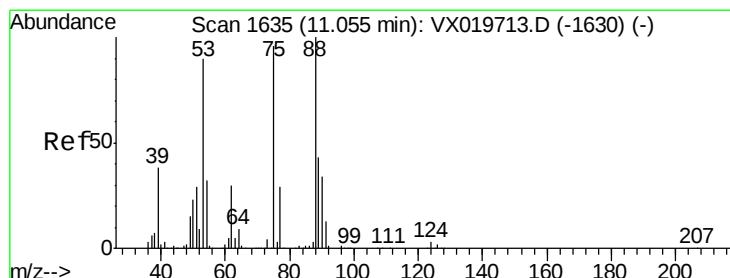
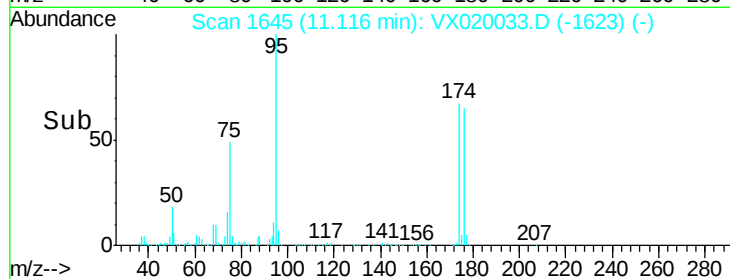
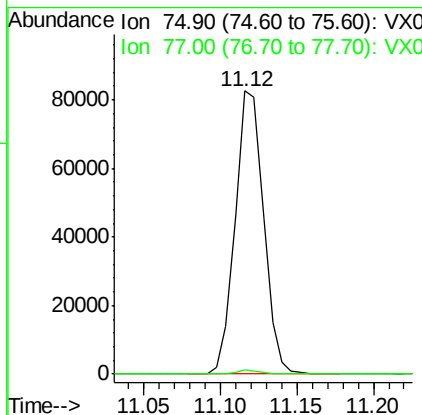
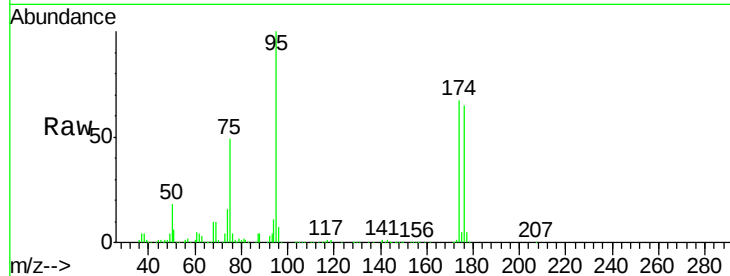




#76
 1,2,3-Trichloropropane
 Concen: 23.041 ug/l
 RT: 11.12 min Scan# 1645
 Delta R.T. -0.16 min
 Lab File: VX020033.D
 Acq: 16 Dec 2020 00:19

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1215WBL02

Tgt Ion: 75 Resp: 106753
 Ion Ratio Lower Upper
 75 100
 77 1.3 19.1 57.5#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 66.608 ug/l
 RT: 11.12 min Scan# 1645
 Delta R.T. 0.06 min
 Lab File: VX020033.D
 Acq: 16 Dec 2020 00:19

Tgt Ion: 75 Resp: 106753
 Ion Ratio Lower Upper
 75 100
 53 0.1 74.5 111.7#
 89 0.0 37.9 56.9#

