

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX121220\
 Data File : VX019955.D
 Acq On : 13 Dec 2020 00:56
 Operator : JC/MD
 Sample : VX1212WBL02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1212WBL02

Quant Time: Dec 14 05:30:48 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	5.63	168	303245	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	503967	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.09	117	459100	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	197750	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	192690	48.35	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	96.70%		
35) Dibromofluoromethane	5.46	113	154977	47.58	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	95.16%		
50) Toluene-d8	8.70	98	604851	48.64	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	97.28%		
62) 4-Bromofluorobenzene	11.12	95	211244	44.63	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	89.26%		

Target Compounds

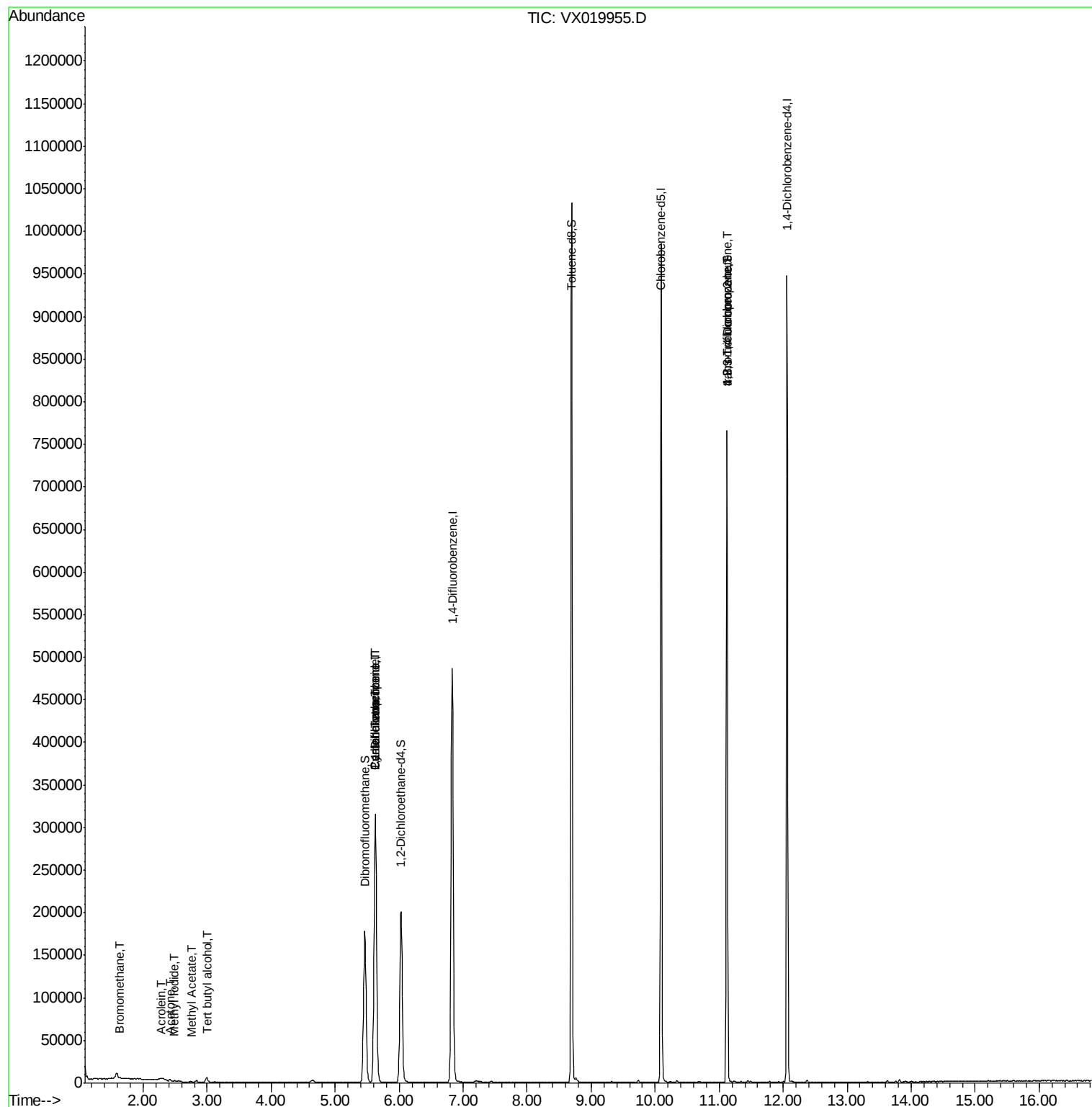
					Qvalue	
5) Bromomethane	1.63	94	596	0.521	ug/l #	73
10) Methyl Iodide	2.49	142	1031	0.255	ug/l #	87
11) Tert butyl alcohol	2.99	59	3395	1.546	ug/l #	73
13) Acrolein	2.28	56	277	0.630	ug/l	92
16) Acetone	2.42	43	2252	1.503	ug/l	97
18) Methyl Acetate	2.76	43	1147	0.313	ug/l #	71
20) Methylene Chloride	2.84	84	816	Below Cal		91
31) Cyclohexane	5.62	56	6001	1.210	ug/l #	1
36) 1,1-Dichloropropene	5.63	75	23155	5.085	ug/l #	49
38) Carbon Tetrachloride	5.62	117	29845	6.692	ug/l #	16
76) 1,2,3-Trichloropropane	11.12	75	102281	23.061	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.12	75	102281	66.666	ug/l #	12

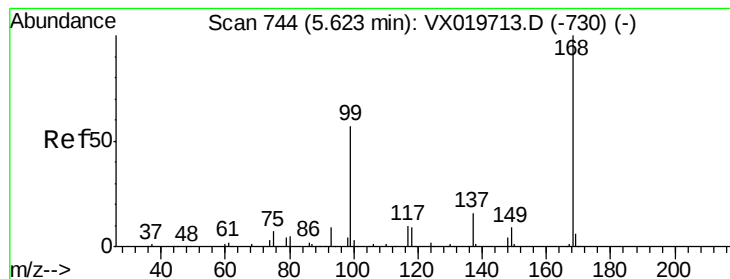
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X120420W.M
Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. 0.01 min

Lab File: VX019955.D

Acq: 13 Dec 2020 00:56

Instrument :

MSVOA_X

ClientSampleId :

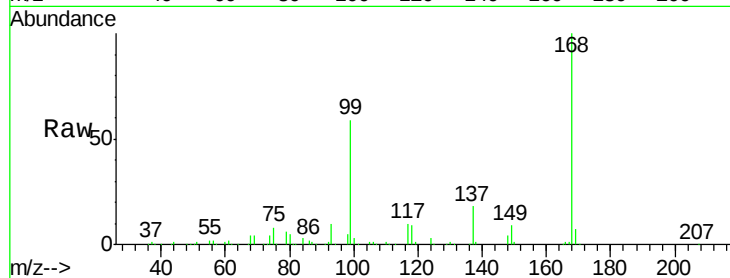
VX1212WBL02

Tgt Ion:168 Resp: 303245

Ion Ratio Lower Upper

168 100

99 59.0 45.8 68.6



Abundance Ion 167.90 (167.60 to 168.60): VX019713.D (-730) (-)

Ion 98.90 (98.60 to 99.60): VX019713.D (-730) (-)

5.63

120000

100000

80000

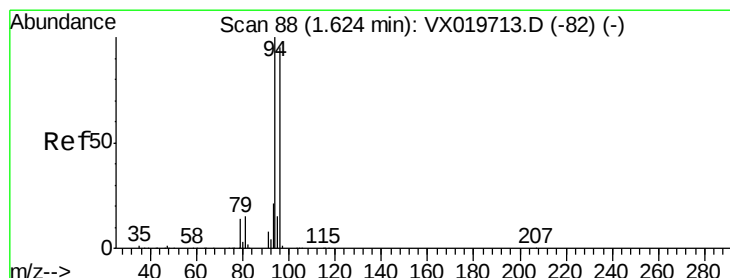
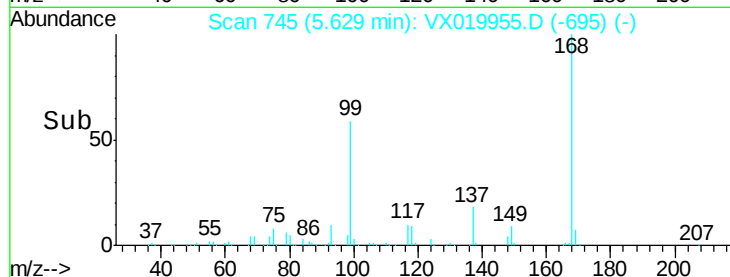
60000

40000

20000

0

Time-->



#5

Bromomethane

Concen: 0.521 ug/l

RT: 1.63 min Scan# 89

Delta R.T. 0.01 min

Lab File: VX019955.D

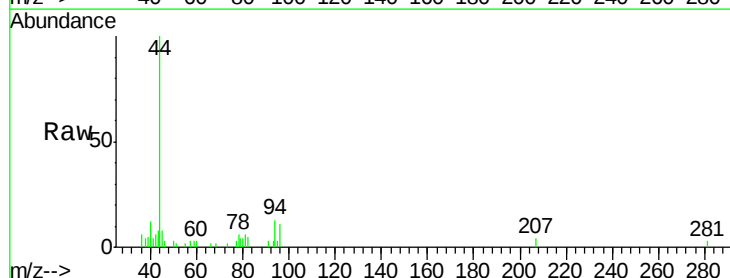
Acq: 13 Dec 2020 00:56

Tgt Ion: 94 Resp: 596

Ion Ratio Lower Upper

94 100

96 69.5 76.4 114.6#



Abundance Ion 93.90 (93.60 to 94.60): VX019955.D (-39) (-)

Ion 95.90 (95.60 to 96.60): VX019955.D (-39) (-)

1.63

400

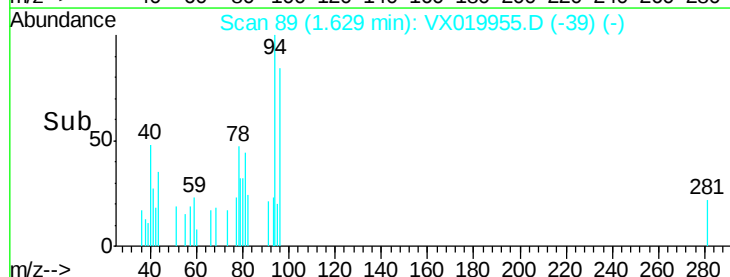
300

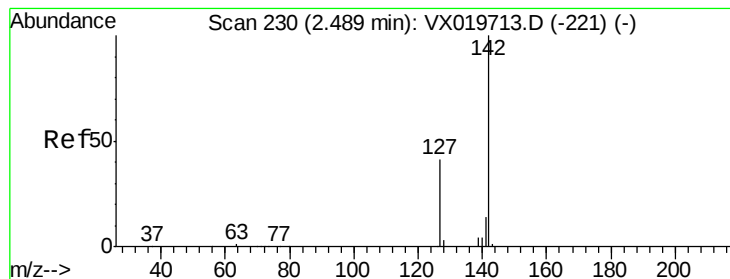
200

100

0

Time-->





#10

Methyl Iodide

Concen: 0.255 ug/l

RT: 2.49 min Scan# 230

Delta R.T. -0.00 min

Lab File: VX019955.D

Acq: 13 Dec 2020 00:56

Instrument :

MSVOA_X

ClientSampleId :

VX1212WBL02

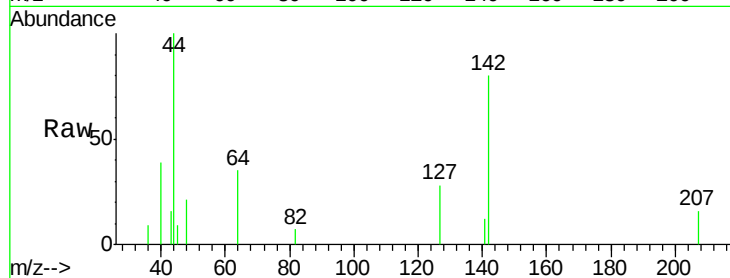
Tgt Ion: 142 Resp: 1031

Ion Ratio Lower Upper

142 100

127 33.0 33.3 49.9#

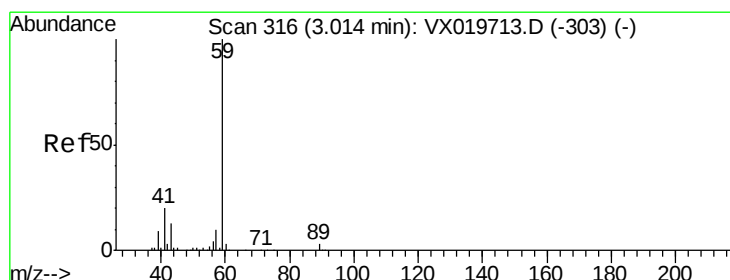
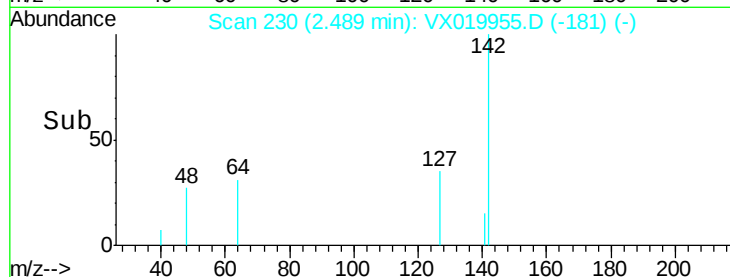
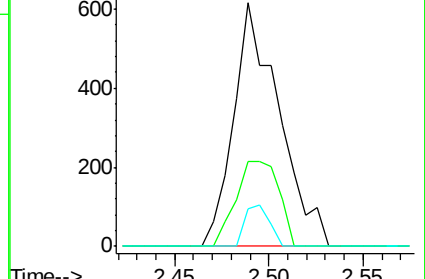
141 9.1 11.4 17.0#



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: 1.546 ug/l

RT: 2.99 min Scan# 313

Delta R.T. -0.02 min

Lab File: VX019955.D

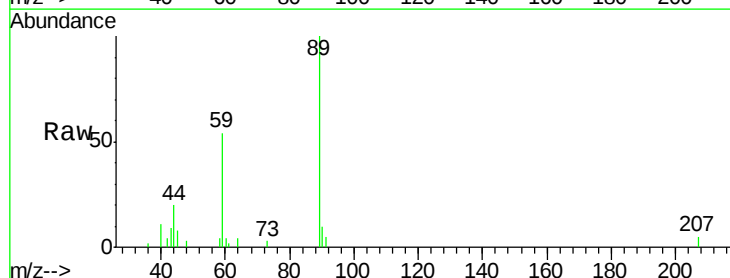
Acq: 13 Dec 2020 00:56

Tgt Ion: 59 Resp: 3395

Ion Ratio Lower Upper

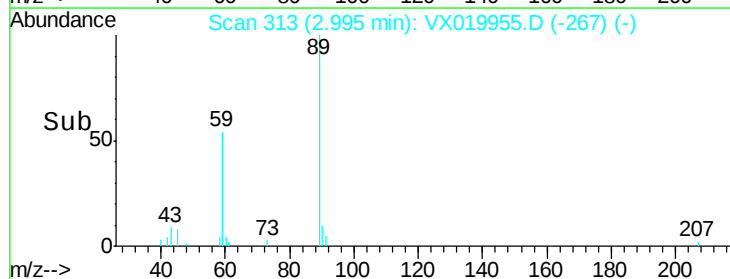
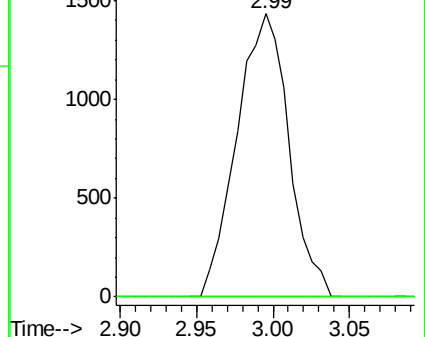
59 100

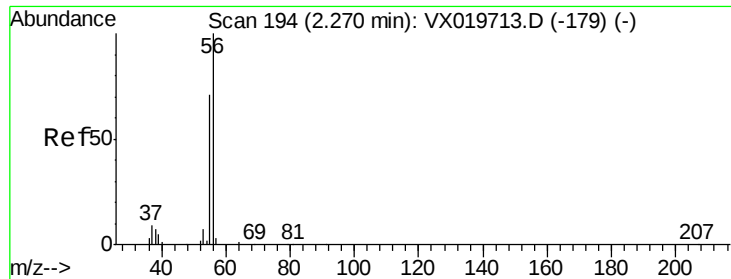
57 0.0 7.8 11.8#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 0.630 ug/l

RT: 2.28 min Scan# 196

Delta R.T. 0.01 min

Lab File: VX019955.D

Acq: 13 Dec 2020 00:56

Instrument :

MSVOA_X

ClientSampleId :

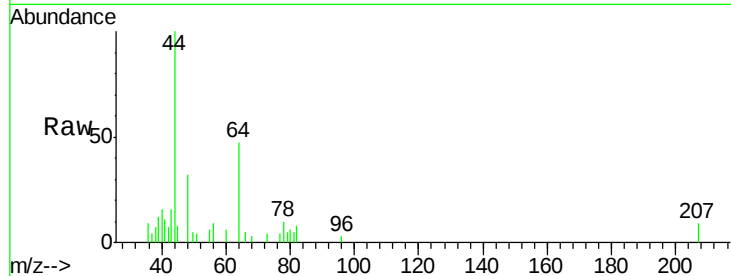
VX1212WBL02

Tgt Ion: 56 Resp: 277

Ion Ratio Lower Upper

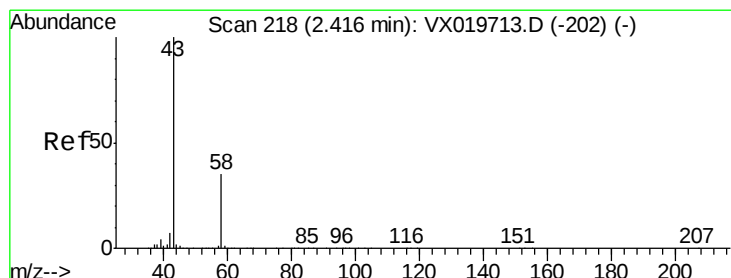
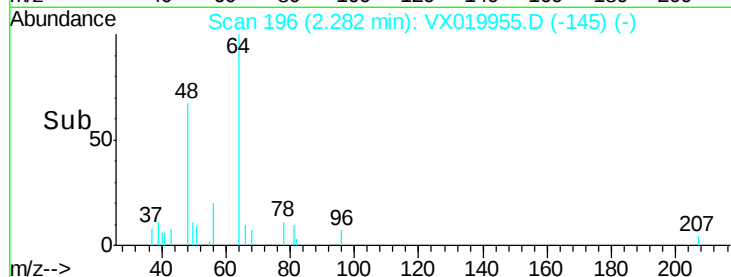
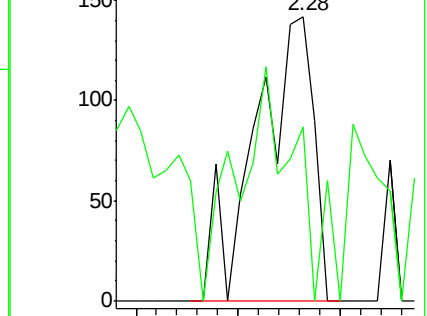
56 100

55 77.3 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: 1.503 ug/l

RT: 2.42 min Scan# 219

Delta R.T. 0.01 min

Lab File: VX019955.D

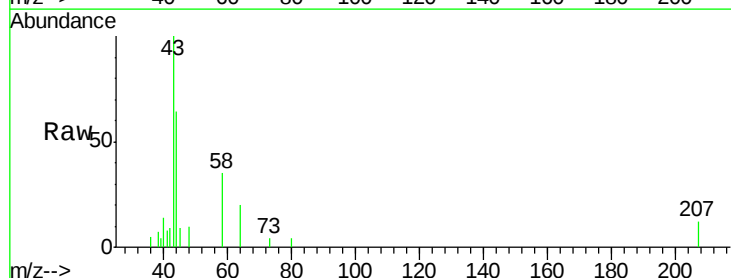
Acq: 13 Dec 2020 00:56

Tgt Ion: 43 Resp: 2252

Ion Ratio Lower Upper

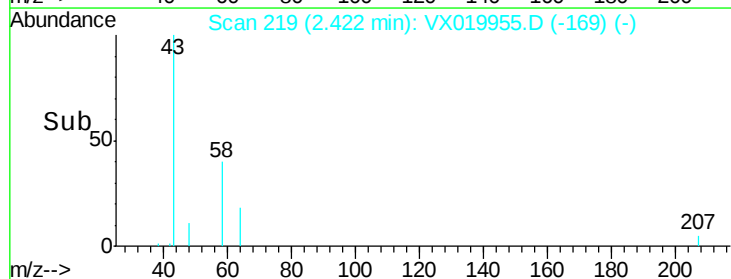
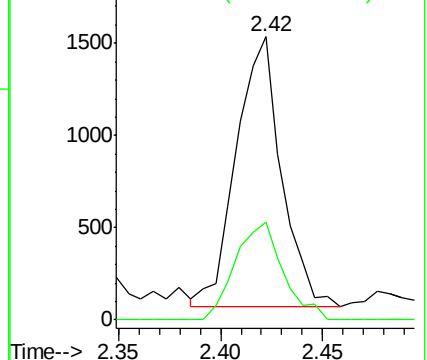
43 100

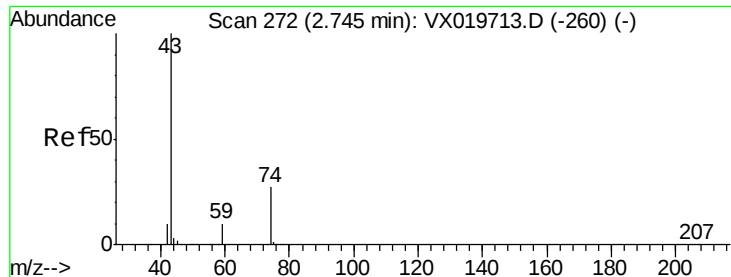
58 36.3 27.8 41.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

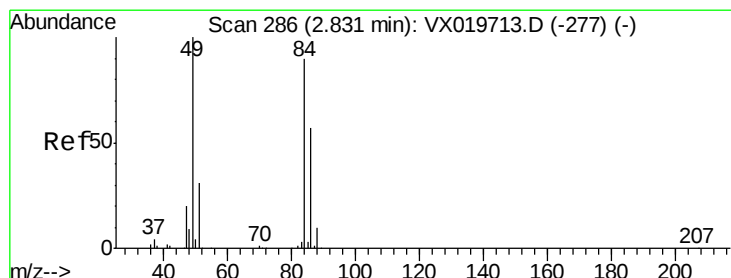
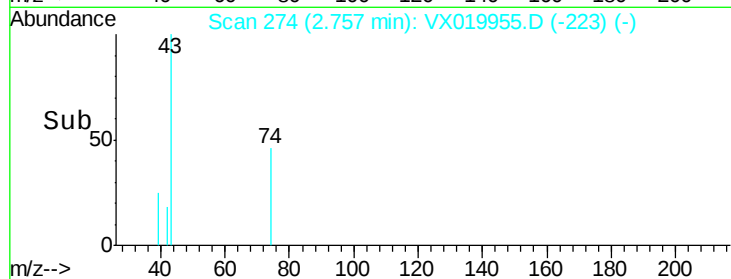
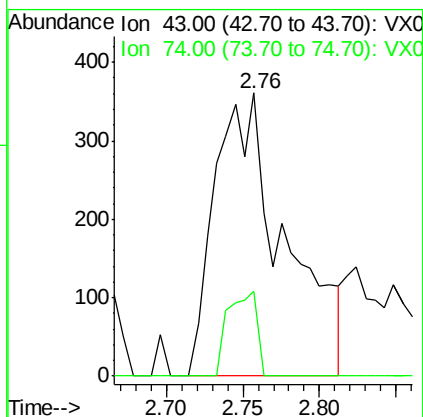
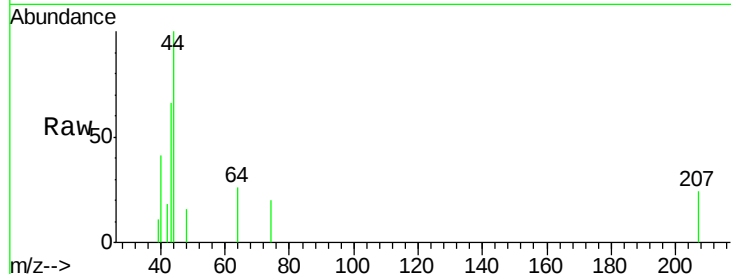




#18
Methyl Acetate
Concen: 0.313 ug/l
RT: 2.76 min Scan# 274
Delta R.T. 0.01 min
Lab File: VX019955.D
Acq: 13 Dec 2020 00:56

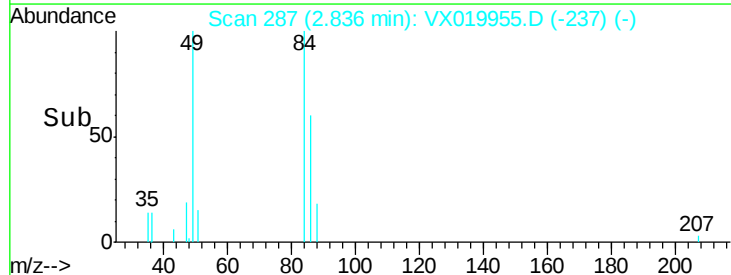
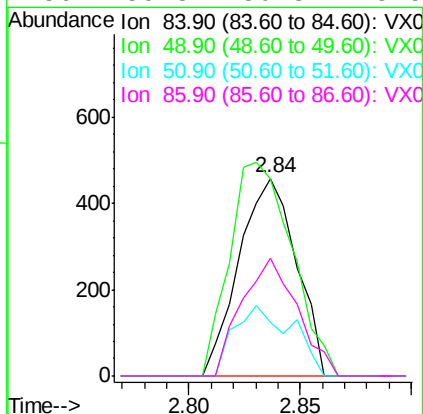
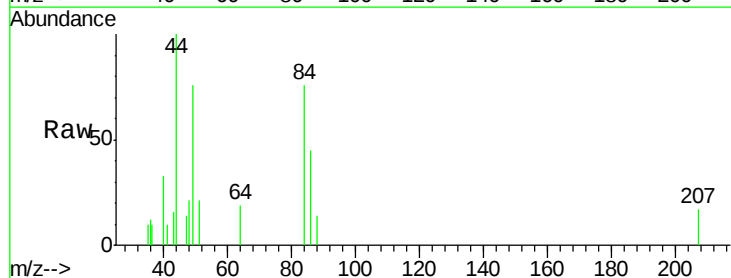
Instrument :
MSVOA_X
ClientSampleId :
VX1212WBL02

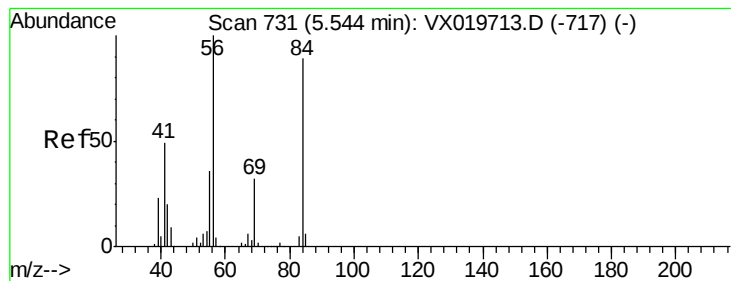
Tgt Ion: 43 Resp: 1147
Ion Ratio Lower Upper
43 100
74 12.2 21.9 32.9#



#20
Methylene Chloride
Concen: Below Cal
RT: 2.84 min Scan# 287
Delta R.T. 0.01 min
Lab File: VX019955.D
Acq: 13 Dec 2020 00:56

Tgt Ion: 84 Resp: 816
Ion Ratio Lower Upper
84 100
49 99.8 88.6 132.8
51 27.3 27.0 40.6
86 59.8 50.3 75.5





#31

Cyclohexane

Concen: 1.210 ug/l

RT: 5.62 min Scan# 744

Delta R.T. 0.08 min

Lab File: VX019955.D

Acq: 13 Dec 2020 00:56

Instrument :

MSVOA_X

ClientSampleId :

VX1212WBL02

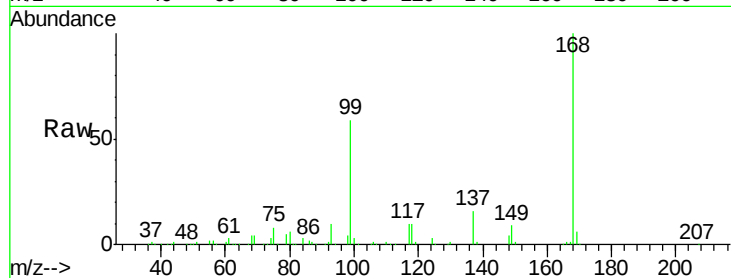
Tgt Ion: 56 Resp: 6001

Ion Ratio Lower Upper

56 100

69 198.4 25.3 37.9#

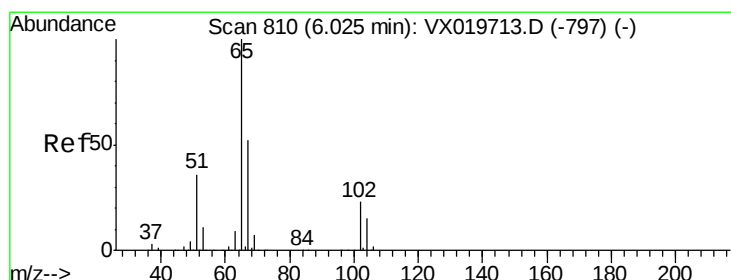
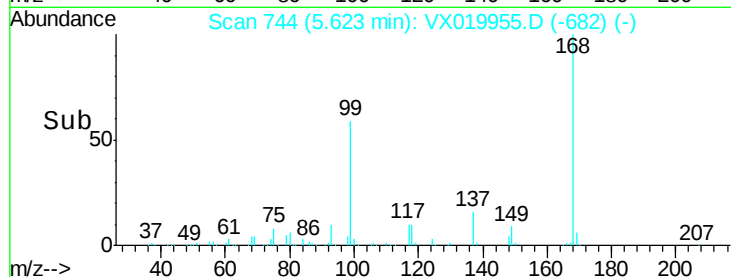
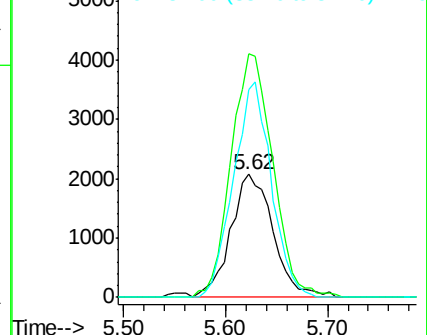
84 169.1 71.4 107.0#



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: 48.347 ug/l

RT: 6.03 min Scan# 811

Delta R.T. 0.01 min

Lab File: VX019955.D

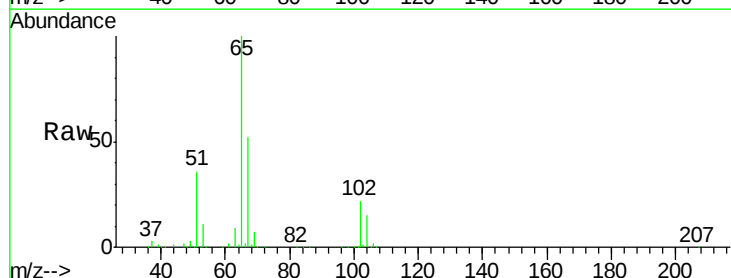
Acq: 13 Dec 2020 00:56

Tgt Ion: 65 Resp: 192690

Ion Ratio Lower Upper

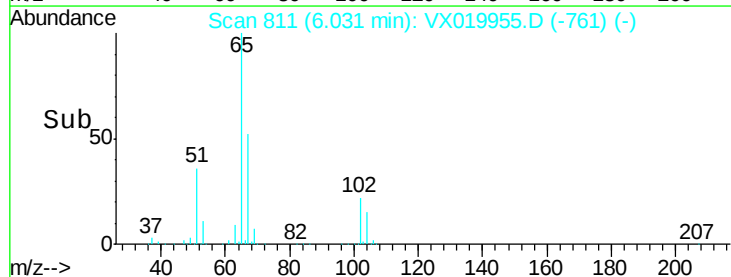
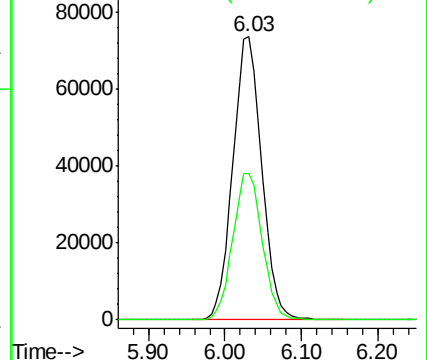
65 100

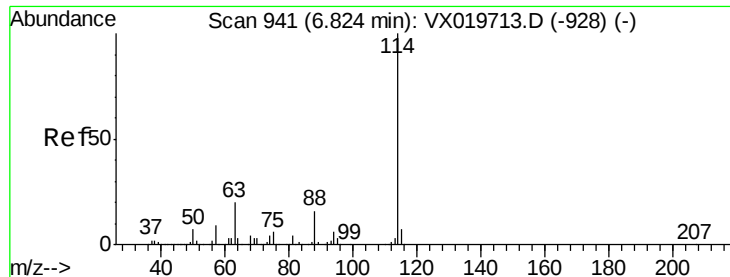
67 52.6 0.0 105.4



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: 6.83 min Scan# 942

Delta R.T. 0.01 min

Lab File: VX019955.D

Acq: 13 Dec 2020 00:56

Instrument :

MSVOA_X

ClientSampleId :

VX1212WBL02

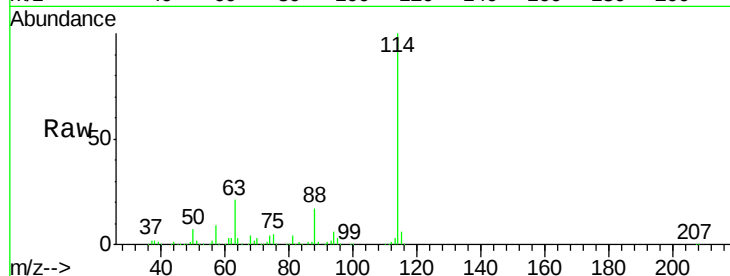
Tgt Ion:114 Resp: 503967

Ion Ratio Lower Upper

114 100

63 21.0 0.0 40.8

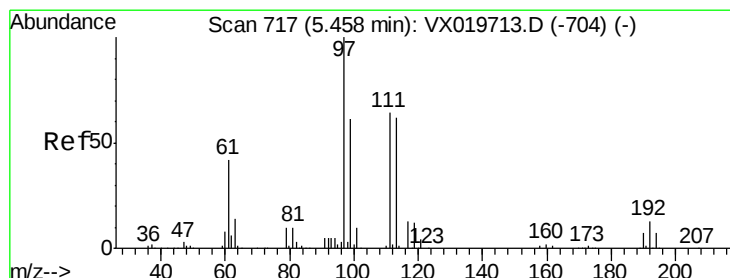
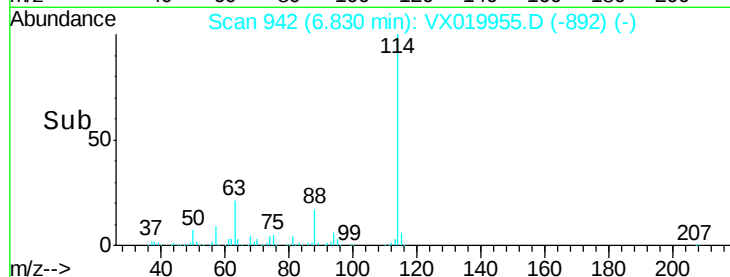
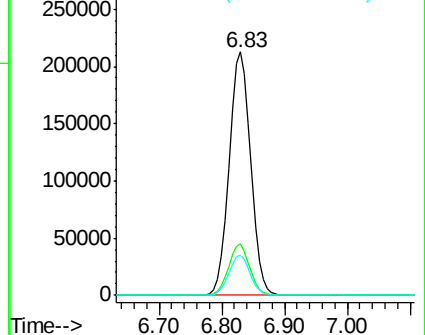
88 16.6 0.0 32.8



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: 47.582 ug/l

RT: 5.46 min Scan# 718

Delta R.T. 0.01 min

Lab File: VX019955.D

Acq: 13 Dec 2020 00:56

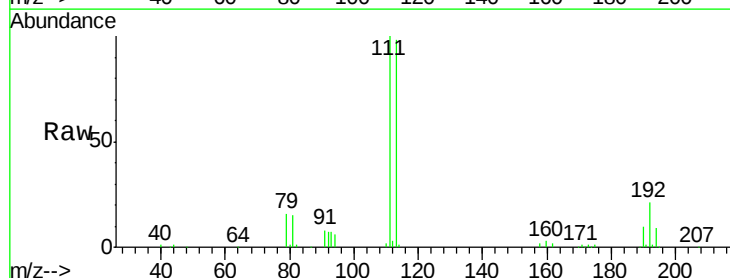
Tgt Ion:113 Resp: 154977

Ion Ratio Lower Upper

113 100

111 102.2 81.9 122.9

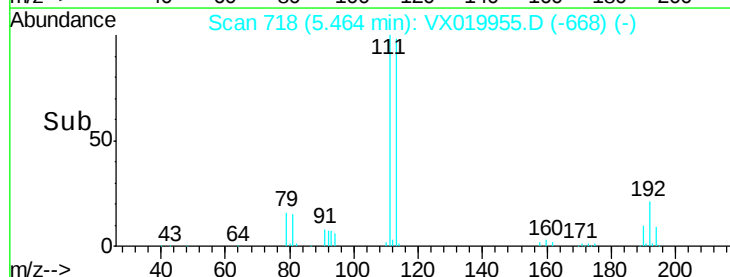
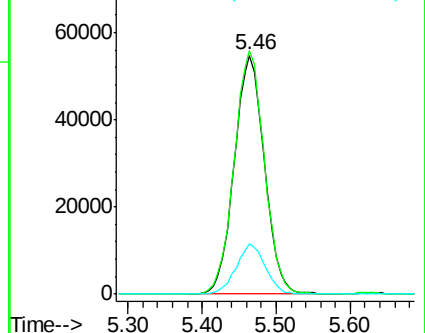
192 20.4 16.7 25.1

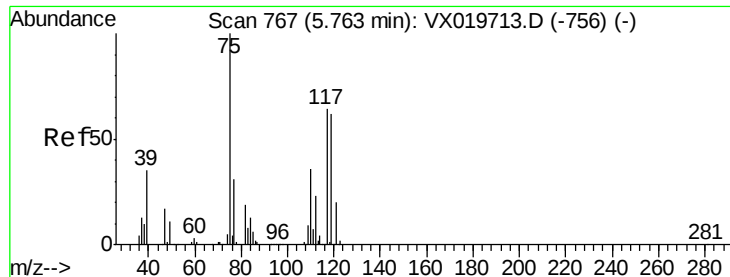


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.085 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.13 min

Lab File: VX019955.D

Acq: 13 Dec 2020 00:56

Instrument :

MSVOA_X

ClientSampled :

VX1212WBL02

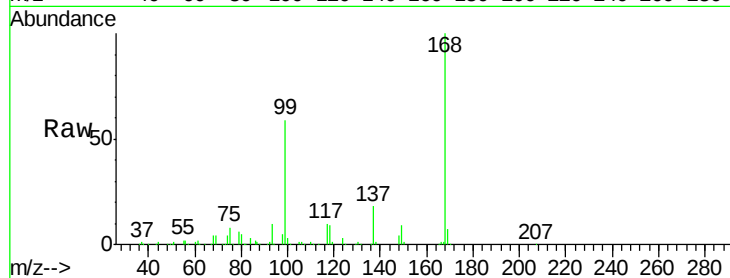
Tgt Ion: 75 Resp: 23155

Ion Ratio Lower Upper

75 100

110 8.8 18.1 54.4#

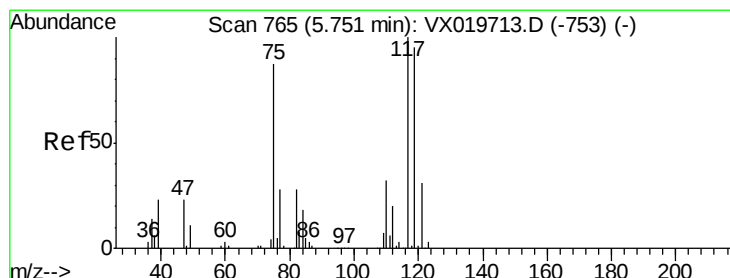
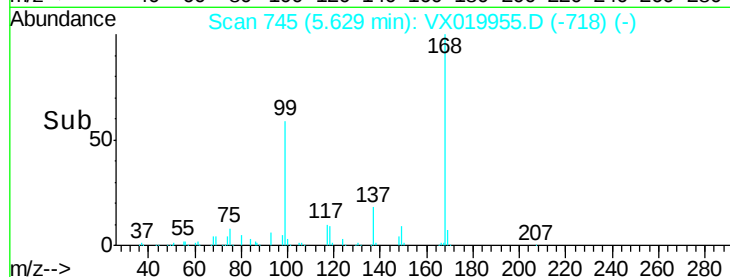
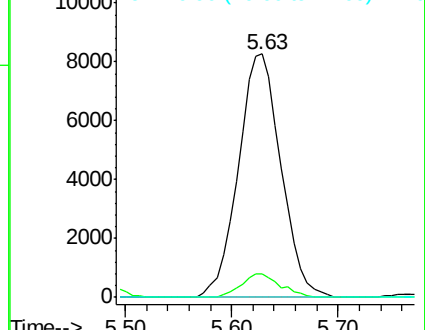
77 0.0 25.3 37.9#



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: 6.692 ug/l

RT: 5.62 min Scan# 744

Delta R.T. -0.13 min

Lab File: VX019955.D

Acq: 13 Dec 2020 00:56

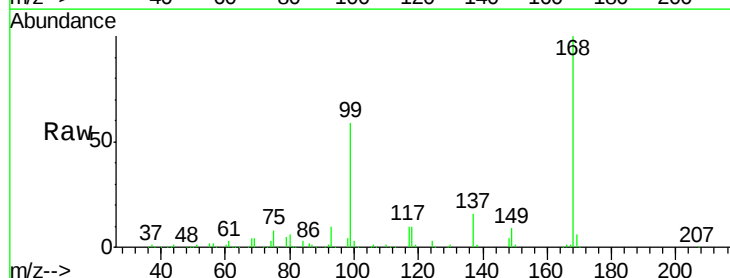
Tgt Ion: 117 Resp: 29845

Ion Ratio Lower Upper

117 100

119 5.4 76.2 114.2#

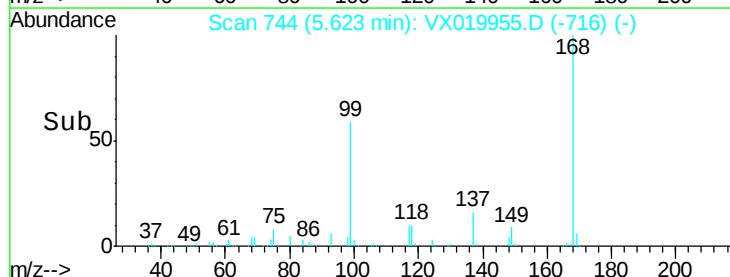
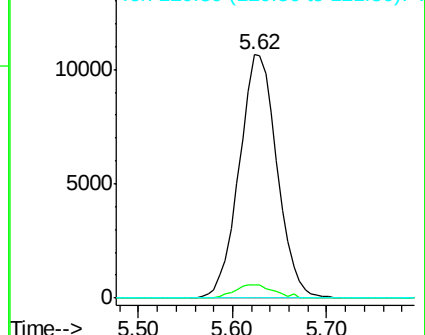
121 0.0 24.8 37.2#

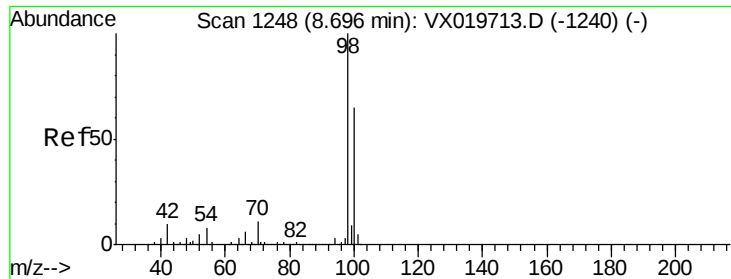


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

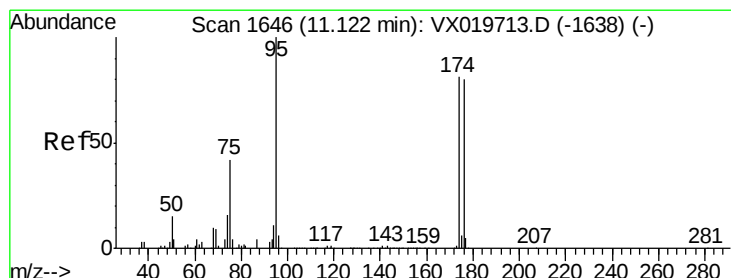
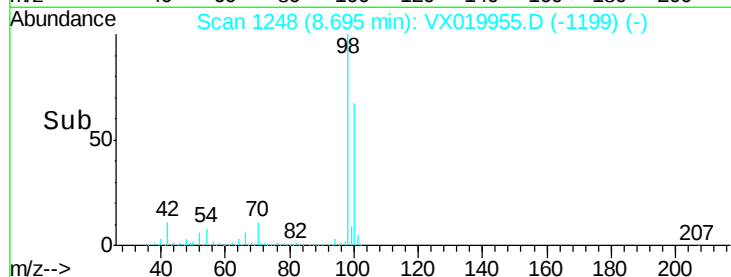
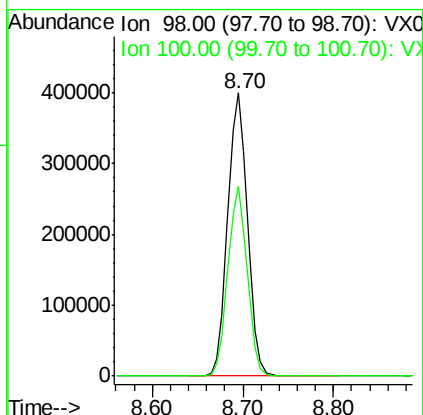
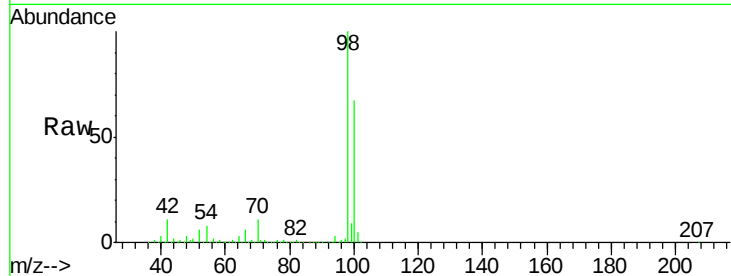




#50
Toluene-d8
Concen: 48.642 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VX019955.D
Acq: 13 Dec 2020 00:56

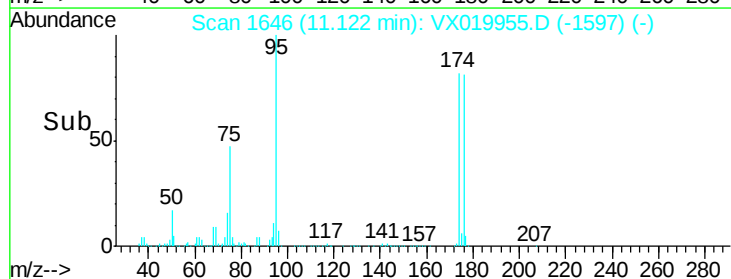
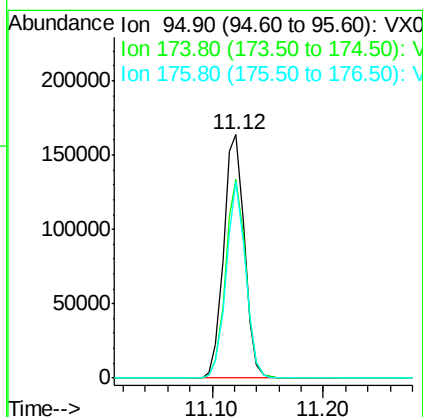
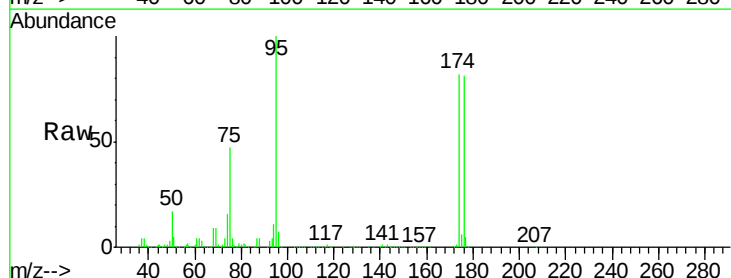
Instrument :
MSVOA_X
ClientSampleId :
VX1212WBL02

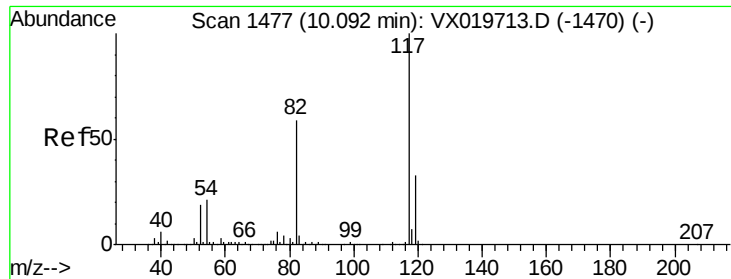
Tgt Ion: 98 Resp: 604851
Ion Ratio Lower Upper
98 100
100 65.8 51.9 77.9



#62
4-Bromofluorobenzene
Concen: 44.634 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. -0.00 min
Lab File: VX019955.D
Acq: 13 Dec 2020 00:56

Tgt Ion: 95 Resp: 211244
Ion Ratio Lower Upper
95 100
174 79.2 0.0 154.6
176 75.0 0.0 155.8

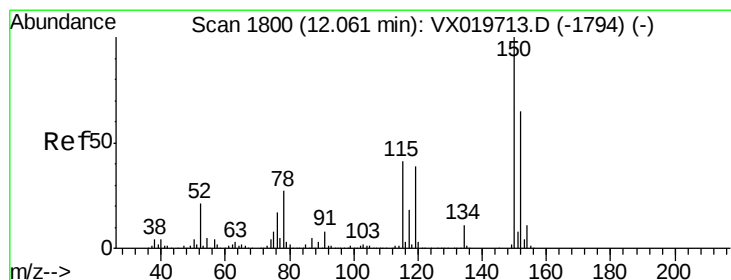
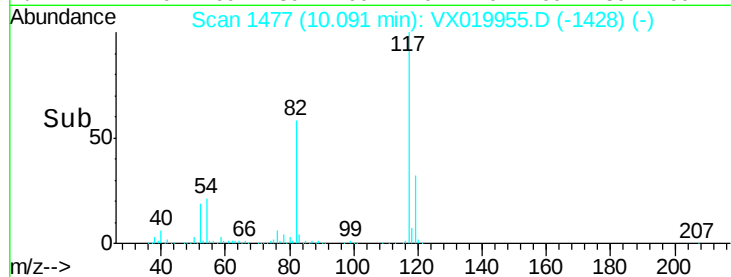
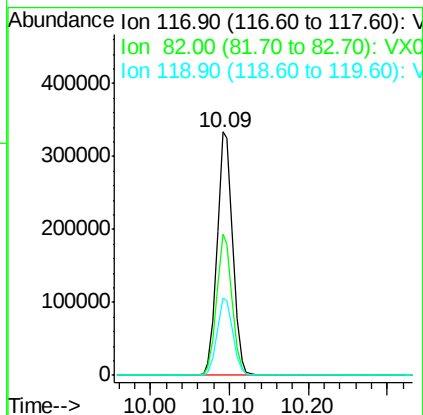
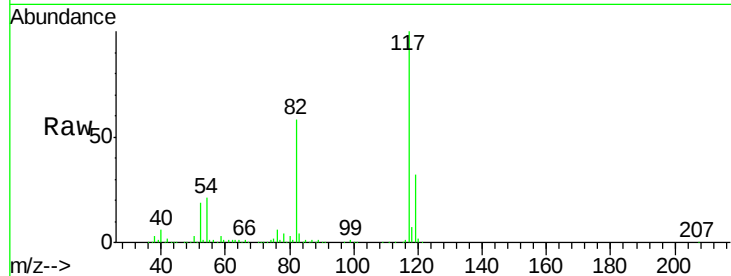




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.09 min Scan# 1477
Delta R.T. -0.00 min
Lab File: VX019955.D
Acq: 13 Dec 2020 00:56

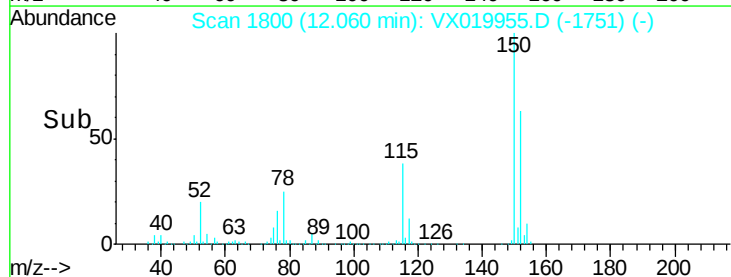
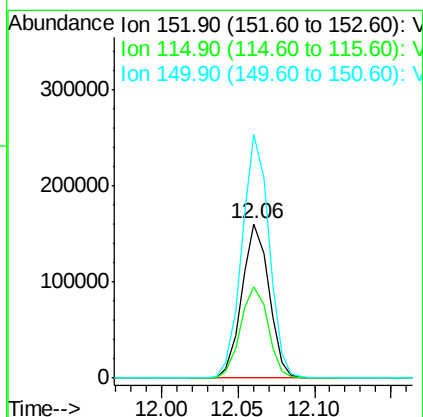
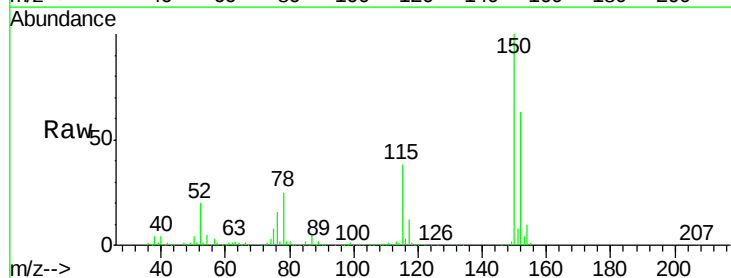
Instrument :
MSVOA_X
ClientSampleId :
VX1212WBL02

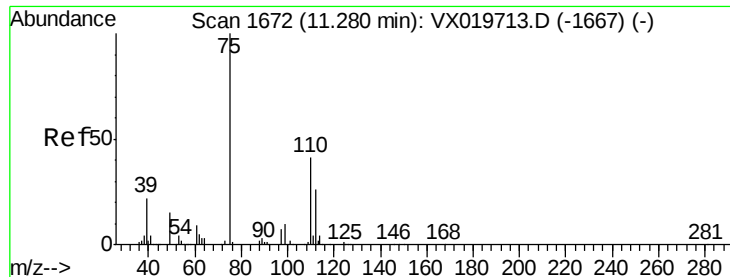
Tgt Ion:117 Resp: 459100
Ion Ratio Lower Upper
117 100
82 58.1 47.4 71.2
119 31.8 26.6 39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VX019955.D
Acq: 13 Dec 2020 00:56

Tgt Ion:152 Resp: 197750
Ion Ratio Lower Upper
152 100
115 60.2 41.1 123.3
150 157.5 0.0 349.0





#76

1,2,3-Trichloropropane

Concen: 23.061 ug/l

RT: 11.12 min Scan# 1645

Delta R.T. -0.16 min

Lab File: VX019955.D

Acq: 13 Dec 2020 00:56

Instrument :

MSVOA_X

ClientSampleId :

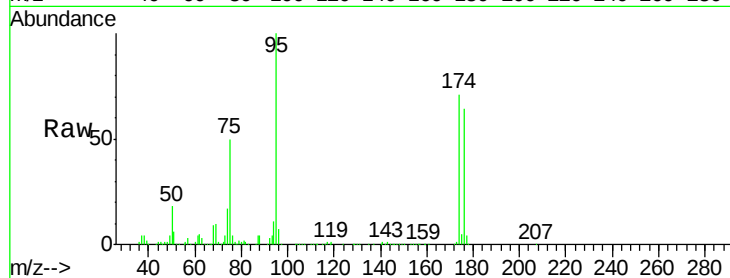
VX1212WBL02

Tgt Ion: 75 Resp: 102281

Ion Ratio Lower Upper

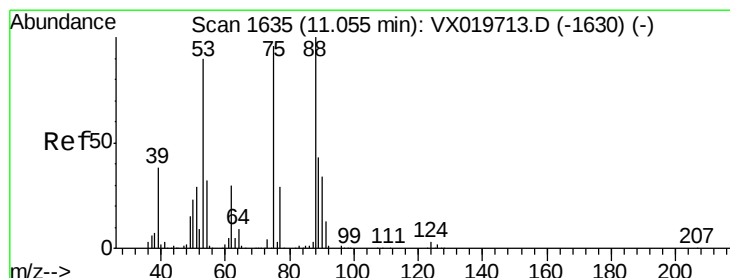
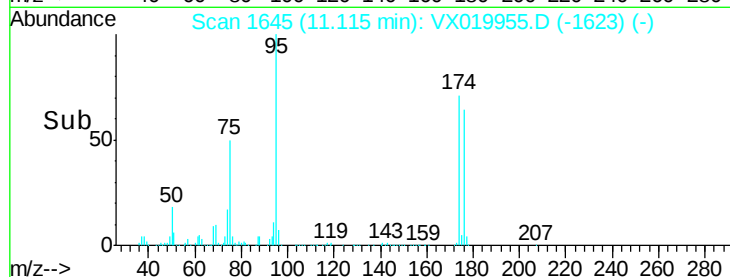
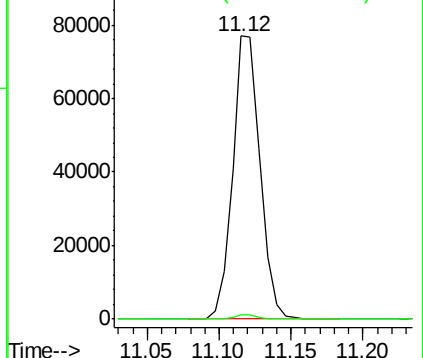
75 100

77 1.3 19.1 57.5#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0



#81

trans-1,4-Dichloro-2-butene

Concen: 66.666 ug/l

RT: 11.12 min Scan# 1645

Delta R.T. 0.06 min

Lab File: VX019955.D

Acq: 13 Dec 2020 00:56

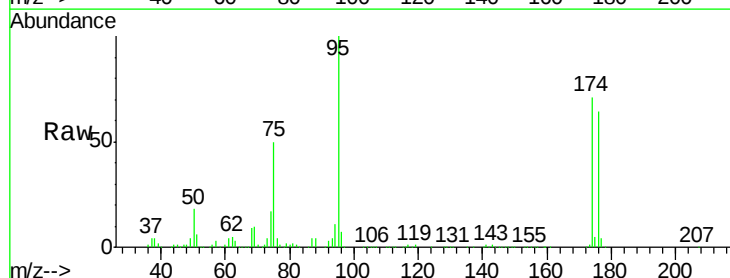
Tgt Ion: 75 Resp: 102281

Ion Ratio Lower Upper

75 100

53 0.1 74.5 111.7#

89 0.0 37.9 56.9#



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

