

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX121120\
 Data File : VX019868.D
 Acq On : 11 Dec 2020 10:49
 Operator : JC/MD
 Sample : VX1211WBL02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1211WBL02

Quant Time: Dec 12 00:54:34 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	326667	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	536064	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.09	117	494610	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	213315	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	202717	47.22	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	94.44%		
35) Dibromofluoromethane	5.46	113	163747	47.26	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	94.52%		
50) Toluene-d8	8.70	98	641079	48.47	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	96.94%		
62) 4-Bromofluorobenzene	11.12	95	230571	45.80	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	91.60%		

Target Compounds

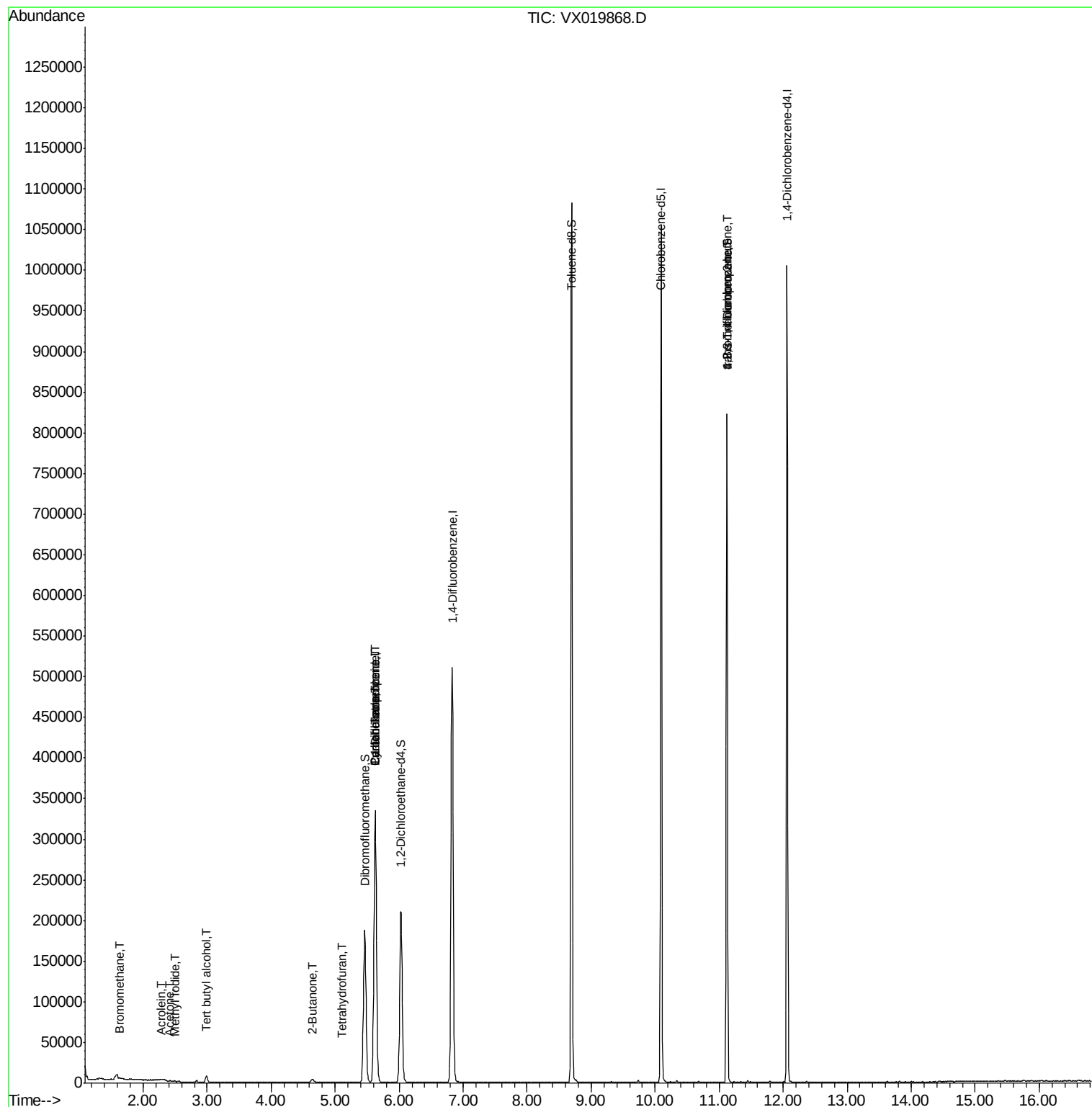
					Qvalue
5) Bromomethane	1.62	94	425	0.345 ug/l	86
10) Methyl Iodide	2.50	142	1230	0.282 ug/l #	91
11) Tert butyl alcohol	2.99	59	4722	2.766 ug/l #	75
13) Acrolein	2.28	56	220	0.464 ug/l #	14
16) Acetone	2.42	43	1232	0.763 ug/l	89
20) Methylene Chloride	2.83	84	983	Below Cal	93
25) 2-Butanone	4.64	43	578	0.233 ug/l #	45
29) Tetrahydrofuran	5.10	42	353	0.221 ug/l #	57
31) Cyclohexane	5.62	56	6293	1.178 ug/l #	1
36) 1,1-Dichloropropene	5.62	75	24492	5.056 ug/l #	48
38) Carbon Tetrachloride	5.63	117	31723	6.688 ug/l #	17
76) 1,2,3-Trichloropropane	11.12	75	110821	23.164 ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.12	75	110821	66.962 ug/l #	12

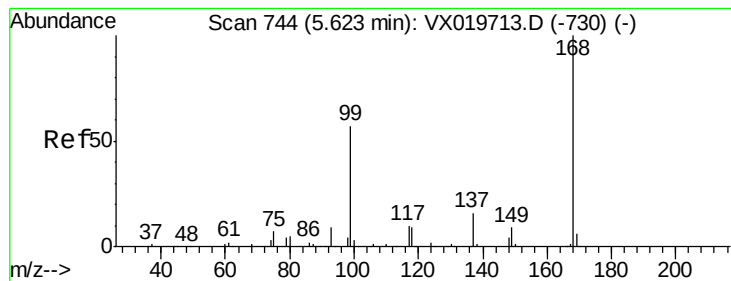
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX121120\
Data File : VX019868.D
Acq On : 11 Dec 2020 10:49
Operator : JC/MD
Sample : VX1211WBL02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1211WBL02

Quant Time: Dec 12 00:54:34 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: 5.63 min Scan# 745

Delta R.T. 0.01 min

Lab File: VX019868.D

Acq: 11 Dec 2020 10:49

Instrument :

MSVOA_X

ClientSampleId :

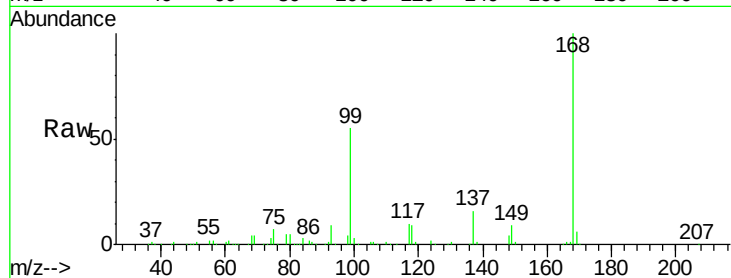
VX1211WBL02

Tgt Ion:168 Resp: 326667

Ion Ratio Lower Upper

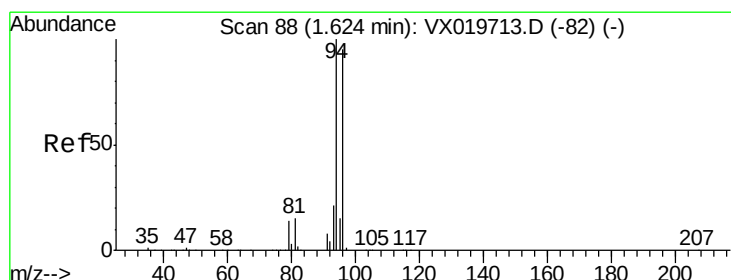
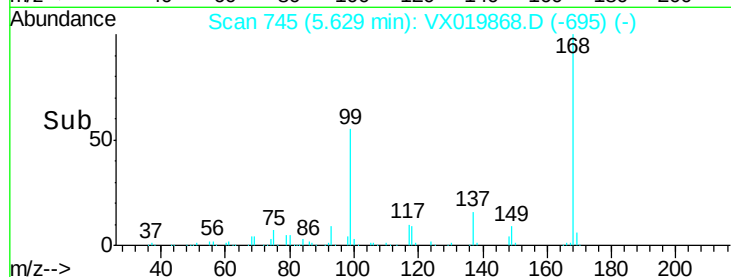
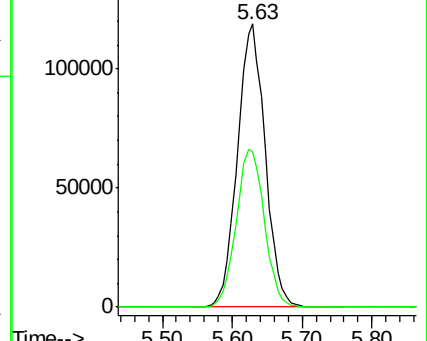
168 100

99 54.7 45.8 68.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#5

Bromomethane

Concen: 0.345 ug/l

RT: 1.62 min Scan# 88

Delta R.T. 0.00 min

Lab File: VX019868.D

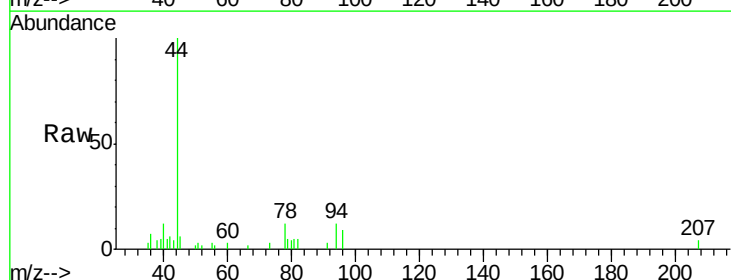
Acq: 11 Dec 2020 10:49

Tgt Ion: 94 Resp: 425

Ion Ratio Lower Upper

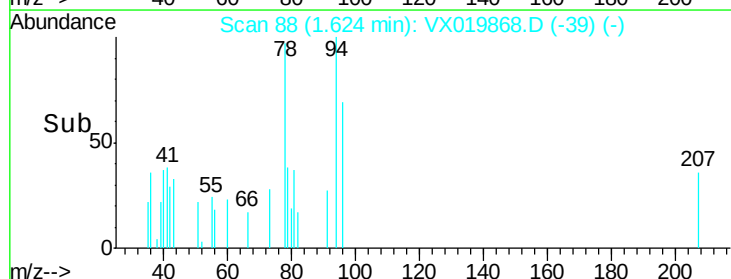
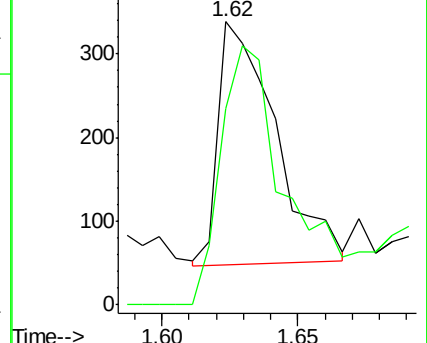
94 100

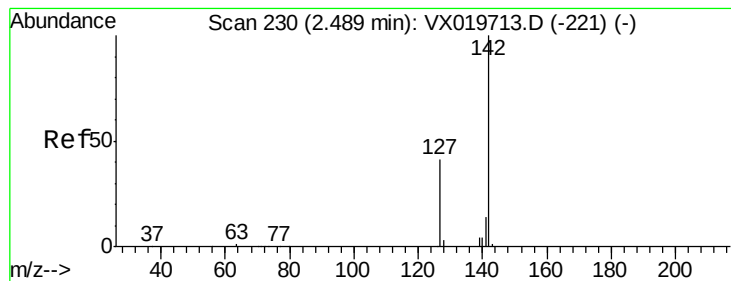
96 81.8 76.4 114.6



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#10

Methyl Iodide

Concen: 0.282 ug/l

RT: 2.50 min Scan# 231

Delta R.T. 0.01 min

Lab File: VX019868.D

Acq: 11 Dec 2020 10:49

Instrument :

MSVOA_X

ClientSampleId :

VX1211WBL02

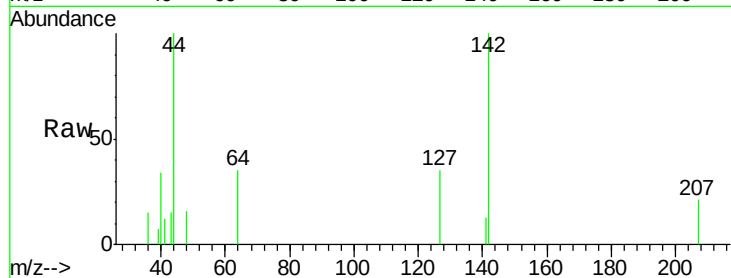
Tgt Ion: 142 Resp: 1230

Ion Ratio Lower Upper

142 100

127 36.0 33.3 49.9

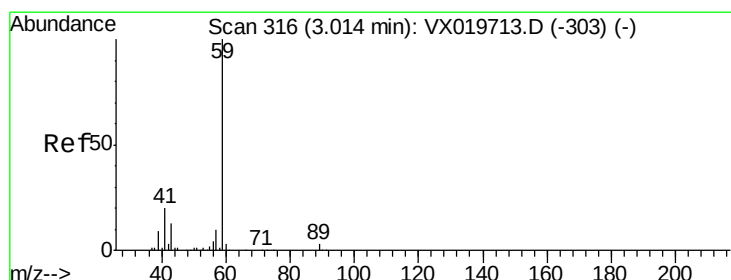
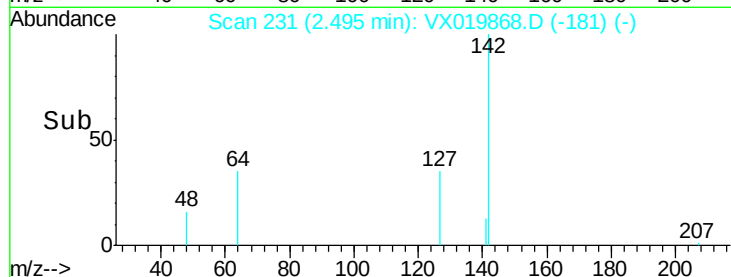
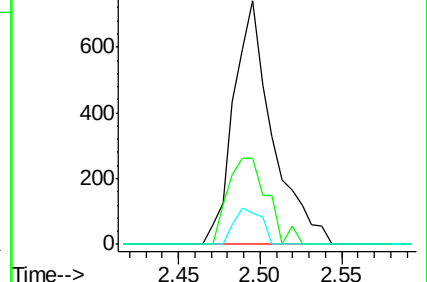
141 10.3 11.4 17.0#



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: 2.766 ug/l

RT: 2.99 min Scan# 312

Delta R.T. -0.02 min

Lab File: VX019868.D

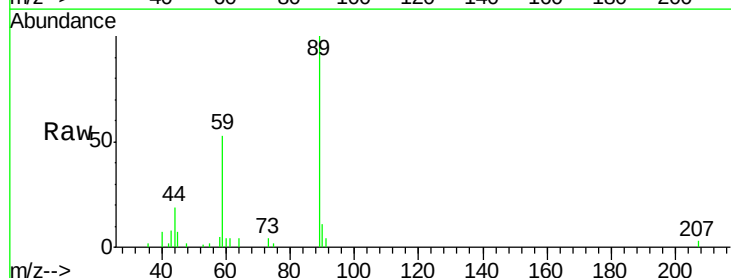
Acq: 11 Dec 2020 10:49

Tgt Ion: 59 Resp: 4722

Ion Ratio Lower Upper

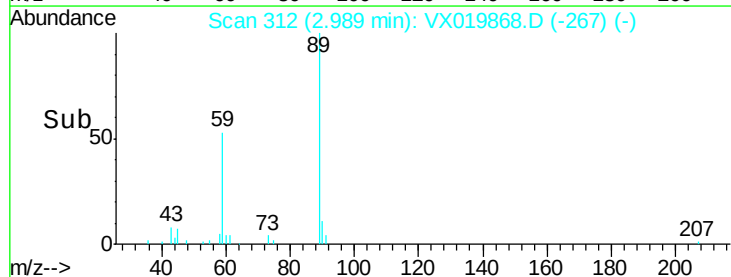
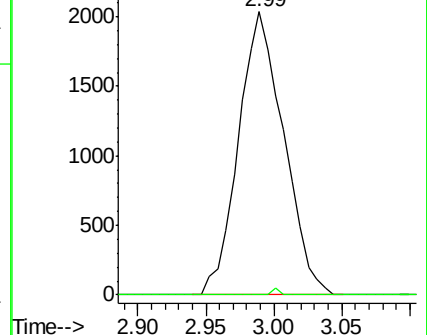
59 100

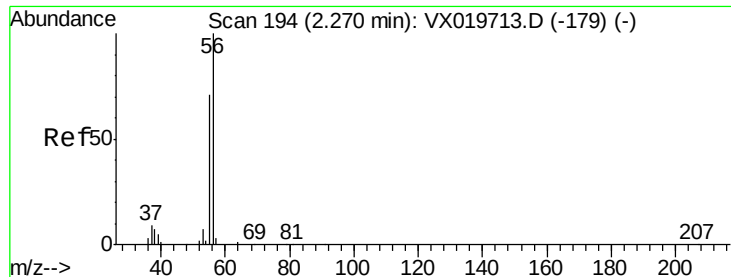
57 0.4 7.8 11.8#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 0.464 ug/l

RT: 2.28 min Scan# 195

Delta R.T. 0.01 min

Lab File: VX019868.D

Acq: 11 Dec 2020 10:49

Instrument :

MSVOA_X

ClientSampleId :

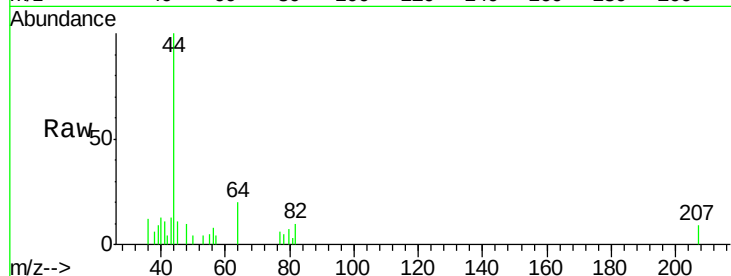
VX1211WBL02

Tgt Ion: 56 Resp: 220

Ion Ratio Lower Upper

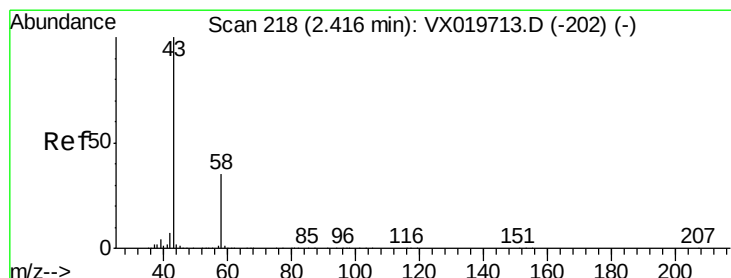
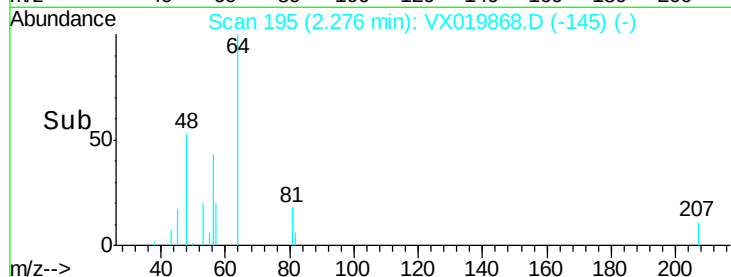
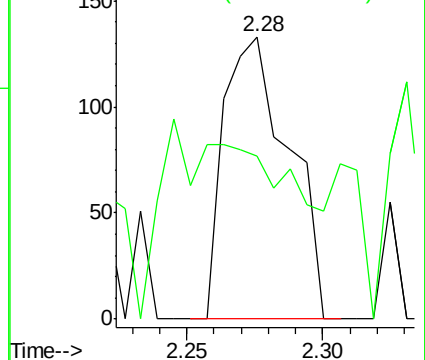
56 100

55 0.0 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: 0.763 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.00 min

Lab File: VX019868.D

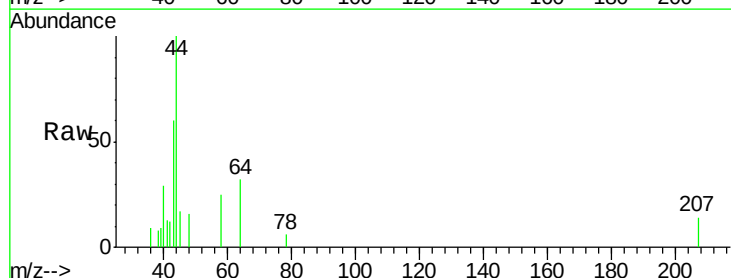
Acq: 11 Dec 2020 10:49

Tgt Ion: 43 Resp: 1232

Ion Ratio Lower Upper

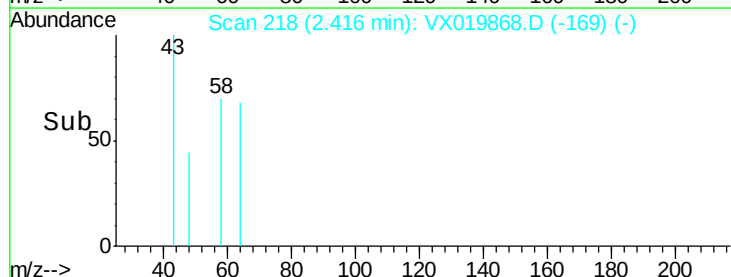
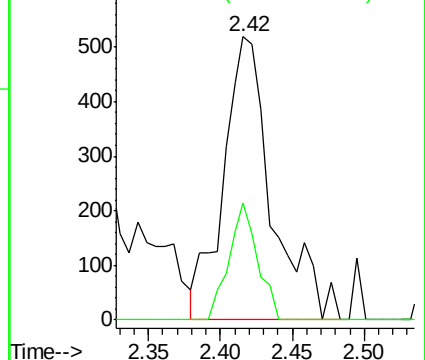
43 100

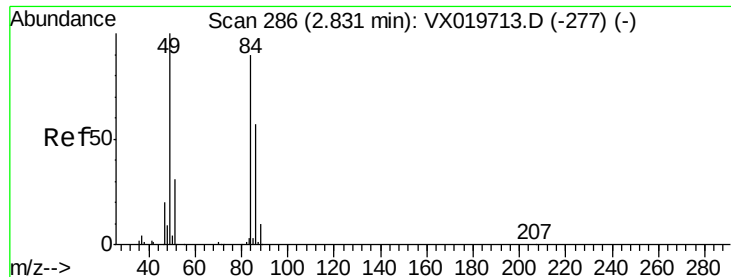
58 41.2 27.8 41.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#20

Methylene Chloride

Concen: Below Cal

RT: 2.83 min Scan# 286

Delta R.T. 0.00 min

Lab File: VX019868.D

Acq: 11 Dec 2020 10:49

Instrument :

MSVOA_X

ClientSampled :

VX1211WBL02

Tgt Ion: 84 Resp: 983

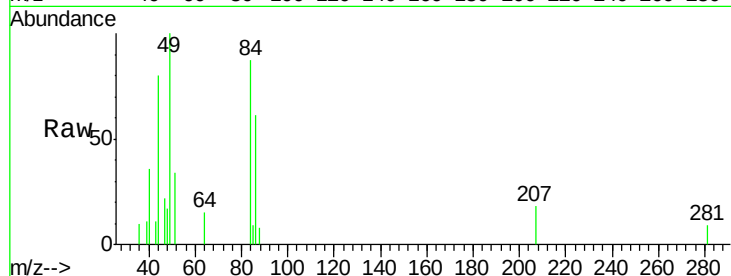
Ion Ratio Lower Upper

84 100

49 115.0 88.6 132.8

51 39.7 27.0 40.6

86 70.1 50.3 75.5

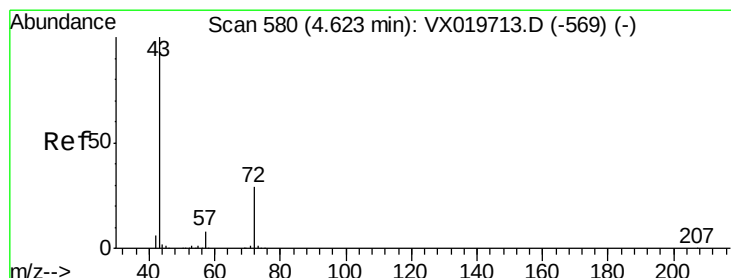
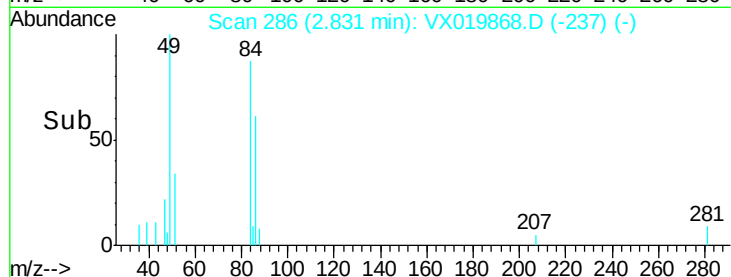
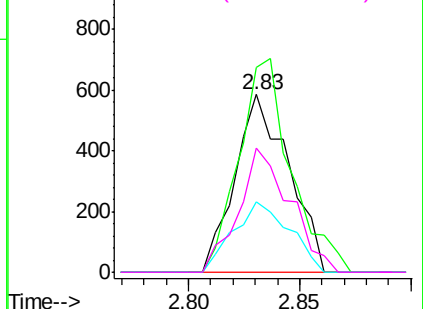


Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0



#25

2-Butanone

Concen: 0.233 ug/l

RT: 4.64 min Scan# 582

Delta R.T. 0.01 min

Lab File: VX019868.D

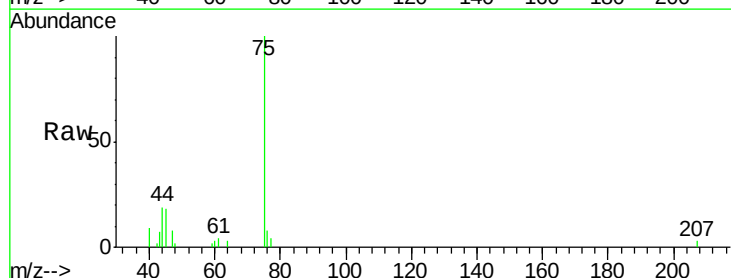
Acq: 11 Dec 2020 10:49

Tgt Ion: 43 Resp: 578

Ion Ratio Lower Upper

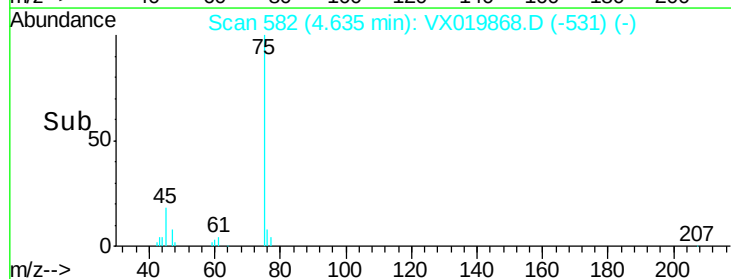
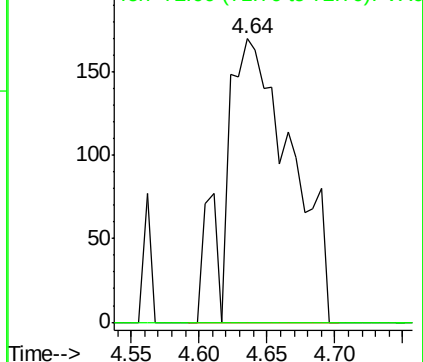
43 100

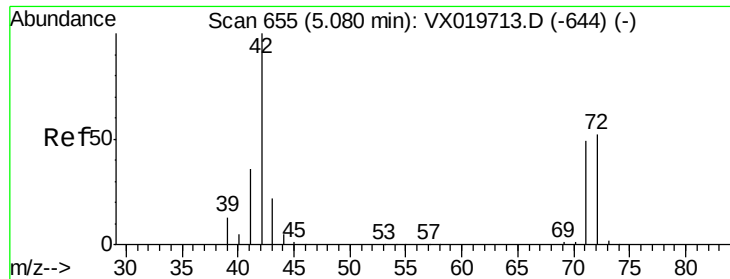
72 0.0 23.7 35.5#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

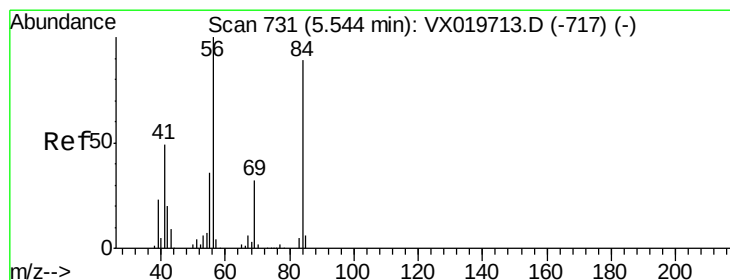
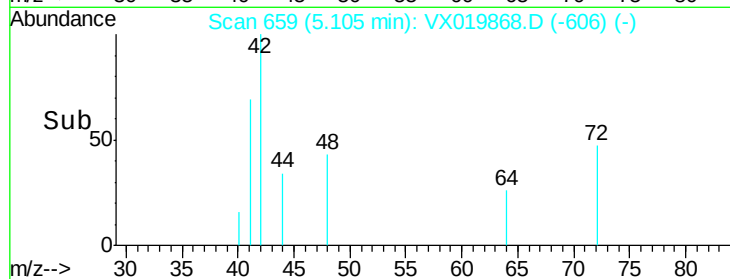
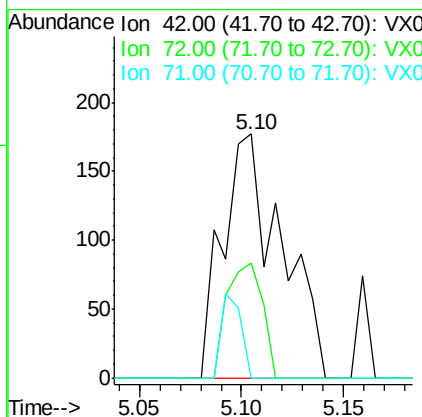
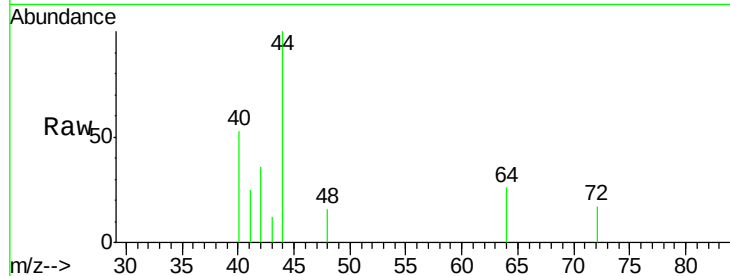




#29
Tetrahydrofuran
Concen: 0.221 ug/l
RT: 5.10 min Scan# 659
Delta R.T. 0.02 min
Lab File: VX019868.D
Acq: 11 Dec 2020 10:49

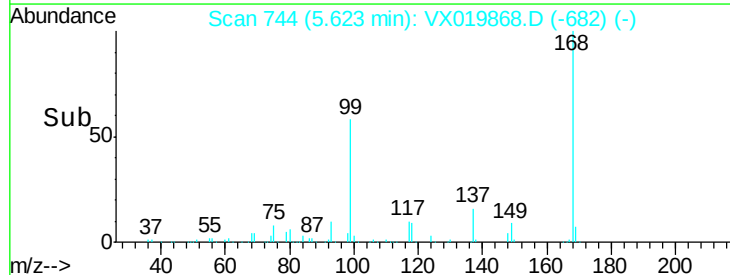
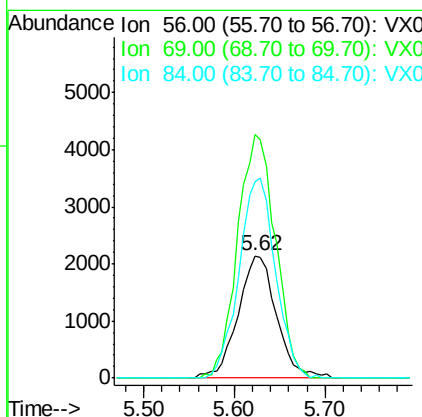
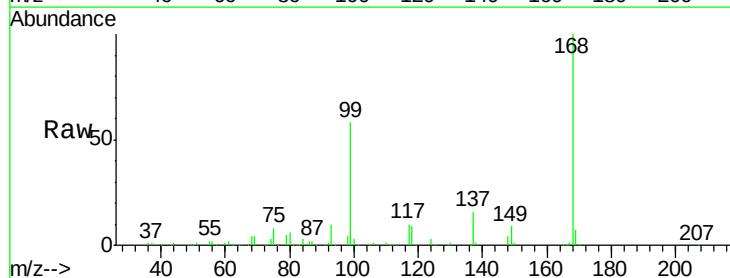
Instrument :
MSVOA_X
ClientSampleId :
VX1211WBL02

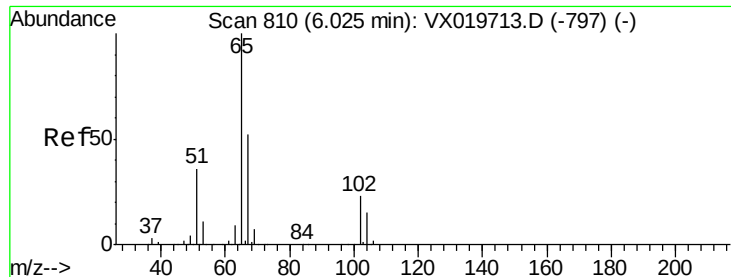
Tgt Ion: 42 Resp: 353
Ion Ratio Lower Upper
42 100
72 28.3 41.7 62.5#
71 11.6 38.4 57.6#



#31
Cyclohexane
Concen: 1.178 ug/l
RT: 5.62 min Scan# 744
Delta R.T. 0.08 min
Lab File: VX019868.D
Acq: 11 Dec 2020 10:49

Tgt Ion: 56 Resp: 6293
Ion Ratio Lower Upper
56 100
69 199.2 25.3 37.9#
84 160.3 71.4 107.0#

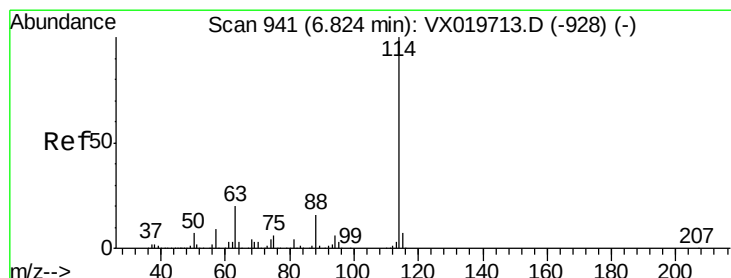
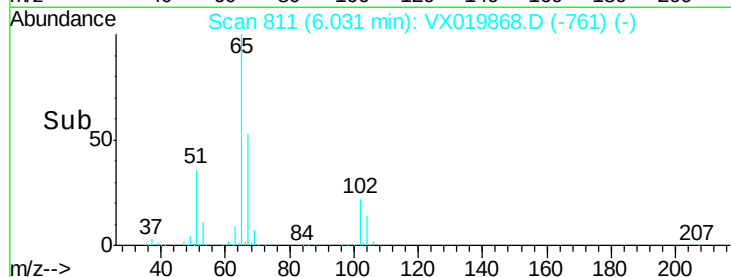
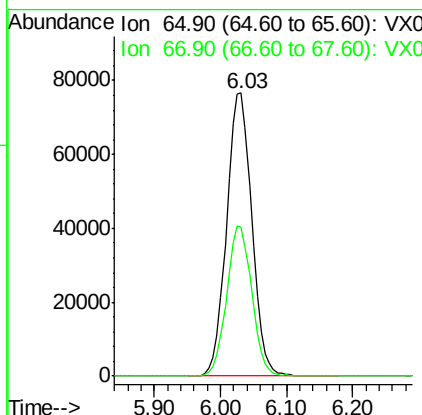
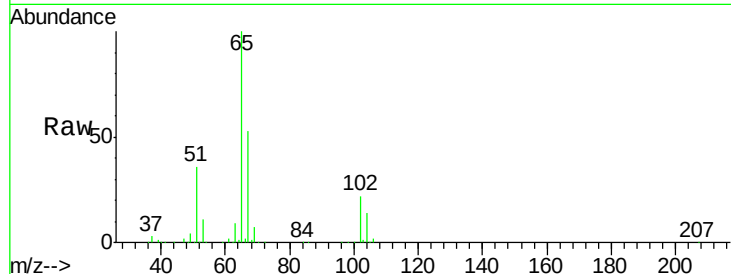




#33
 1,2-Dichloroethane-d4
 Concen: 47.216 ug/l
 RT: 6.03 min Scan# 811
 Delta R.T. 0.01 min
 Lab File: VX019868.D
 Acq: 11 Dec 2020 10:49

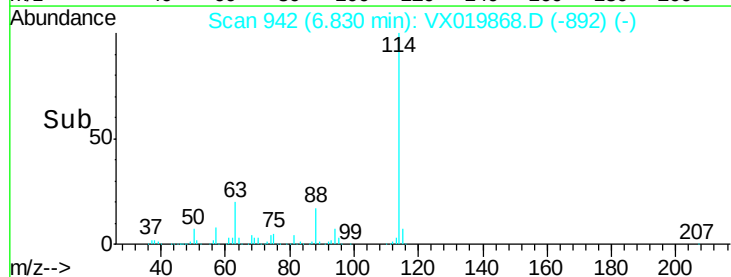
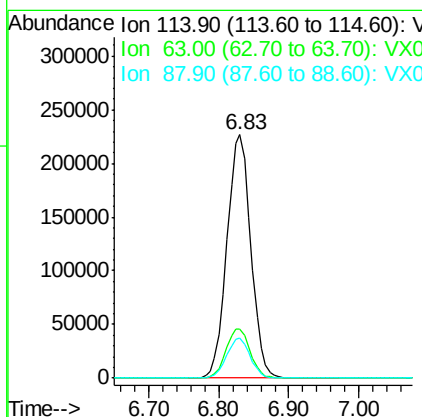
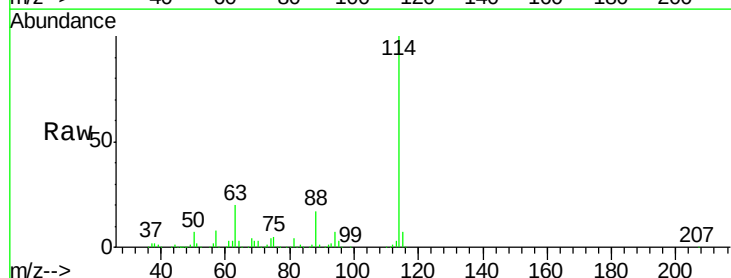
Instrument :
 MSVOA_X
 ClientSampleId :
 VX1211WBL02

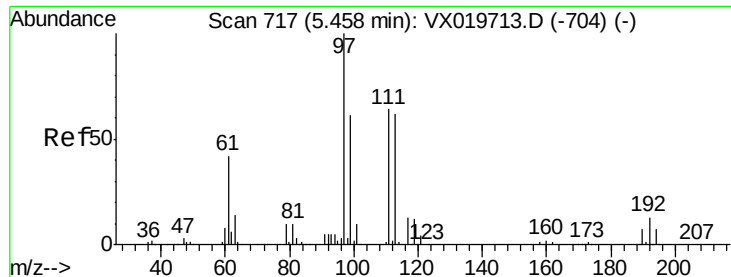
Tgt Ion: 65 Resp: 202717
 Ion Ratio Lower Upper
 65 100
 67 52.6 0.0 105.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.83 min Scan# 942
 Delta R.T. 0.01 min
 Lab File: VX019868.D
 Acq: 11 Dec 2020 10:49

Tgt Ion: 114 Resp: 536064
 Ion Ratio Lower Upper
 114 100
 63 20.1 0.0 40.8
 88 16.5 0.0 32.8





#35

Dibromofluoromethane

Concen: 47.264 ug/l

RT: 5.46 min Scan# 718

Delta R.T. 0.01 min

Lab File: VX019868.D

Acq: 11 Dec 2020 10:49

Instrument :

MSVOA_X

ClientSampleId :

VX1211WBL02

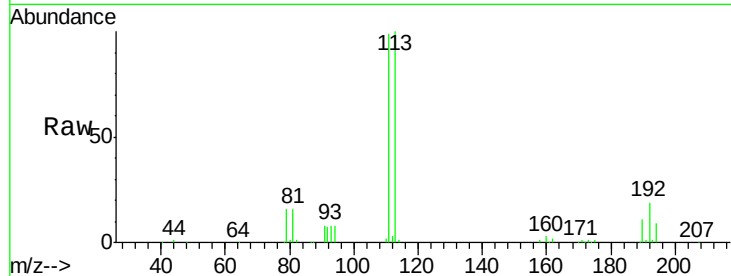
Tgt Ion:113 Resp: 163747

Ion Ratio Lower Upper

113 100

111 102.5 81.9 122.9

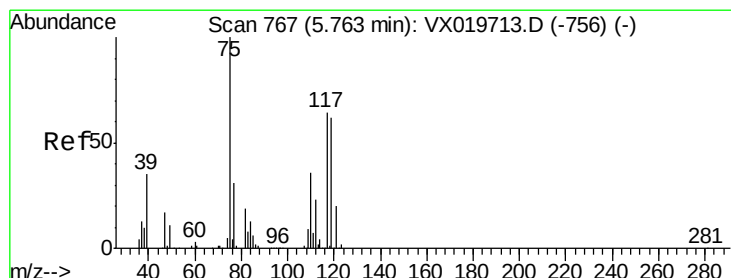
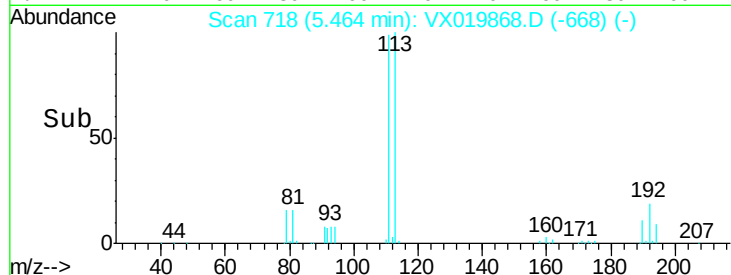
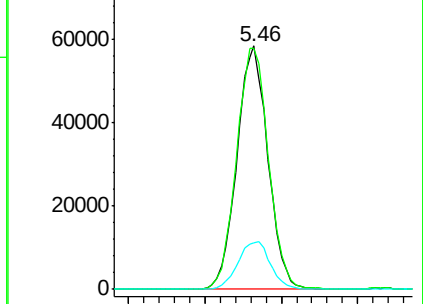
192 20.5 16.7 25.1



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: 5.056 ug/l

RT: 5.62 min Scan# 744

Delta R.T. -0.14 min

Lab File: VX019868.D

Acq: 11 Dec 2020 10:49

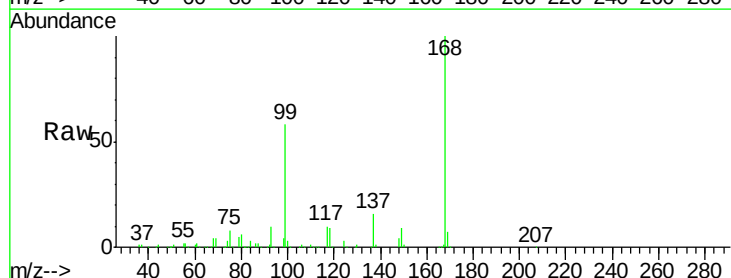
Tgt Ion: 75 Resp: 24492

Ion Ratio Lower Upper

75 100

110 8.4 18.1 54.4#

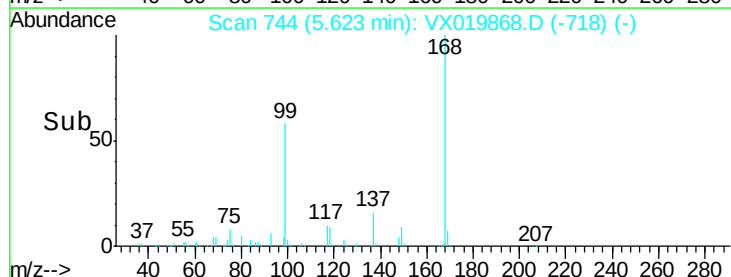
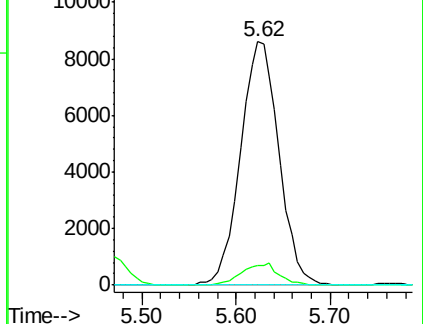
77 0.0 25.3 37.9#

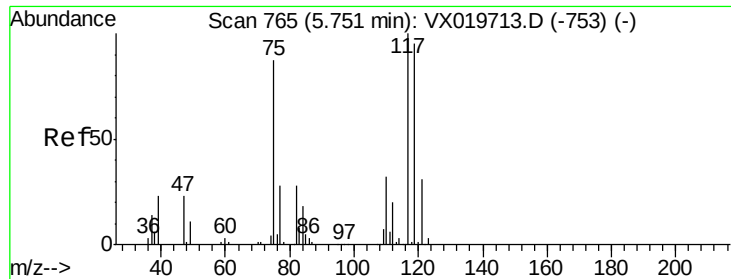


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

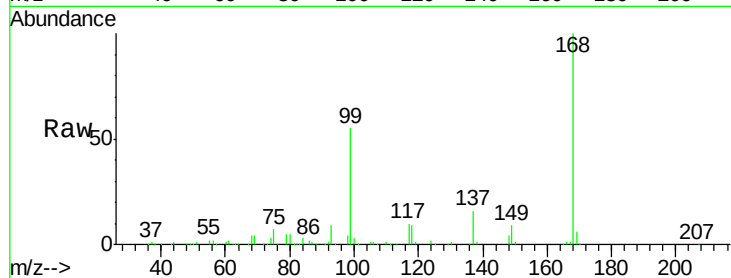




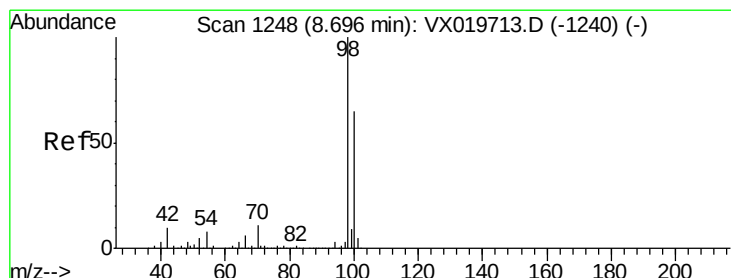
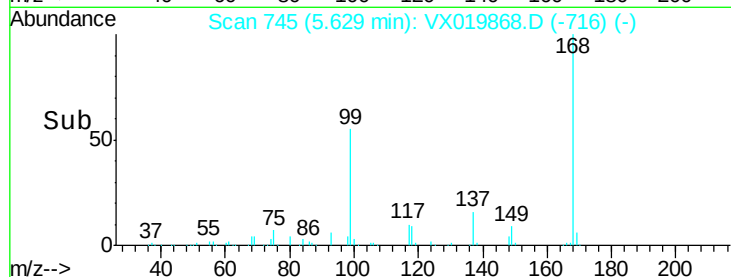
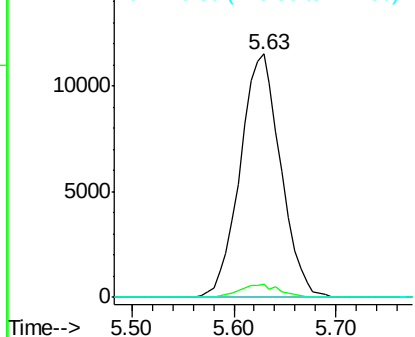
#38
Carbon Tetrachloride
Concen: 6.688 ug/l
RT: 5.63 min Scan# 745
Delta R.T. -0.12 min
Lab File: VX019868.D
Acq: 11 Dec 2020 10:49

Instrument :
MSVOA_X
ClientSampleId :
VX1211WBL02

Tgt Ion: 117 Resp: 31723
Ion Ratio Lower Upper
117 100
119 5.6 76.2 114.2#
121 0.0 24.8 37.2#

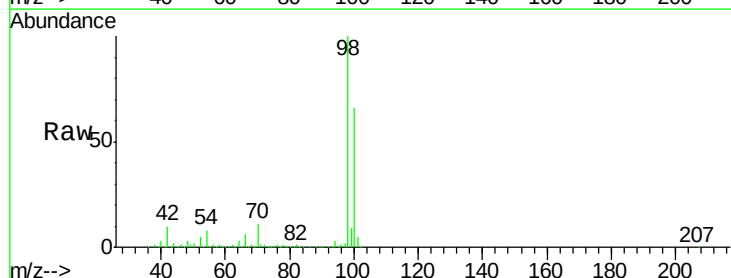


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

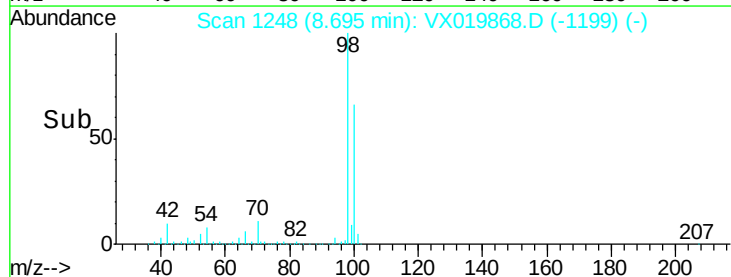
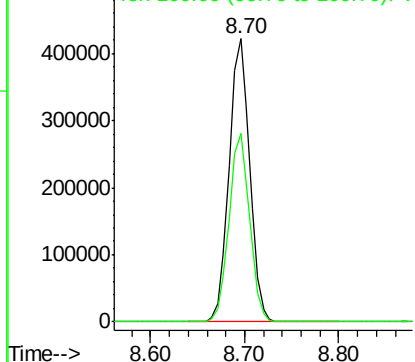


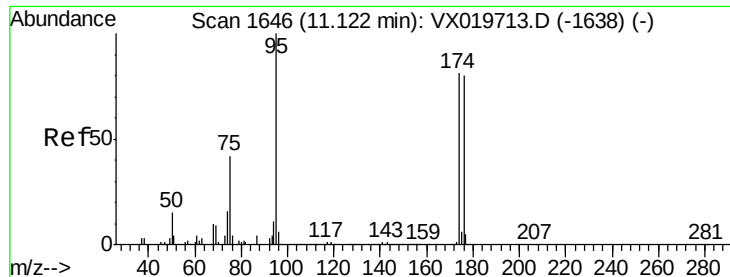
#50
Toluene-d8
Concen: 48.469 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VX019868.D
Acq: 11 Dec 2020 10:49

Tgt Ion: 98 Resp: 641079
Ion Ratio Lower Upper
98 100
100 66.2 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 45.801 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX019868.D

Acq: 11 Dec 2020 10:49

Instrument :

MSVOA_X

ClientSampleId :

VX1211WBL02

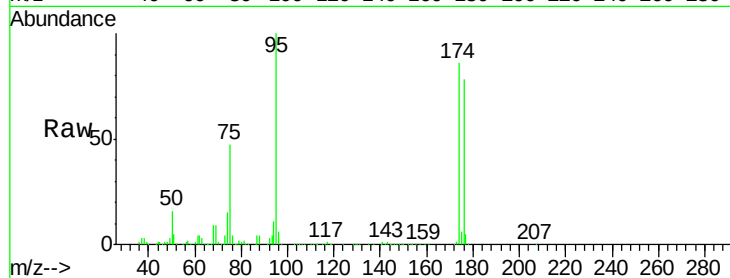
Tgt Ion: 95 Resp: 230571

Ion Ratio Lower Upper

95 100

174 78.5 0.0 154.6

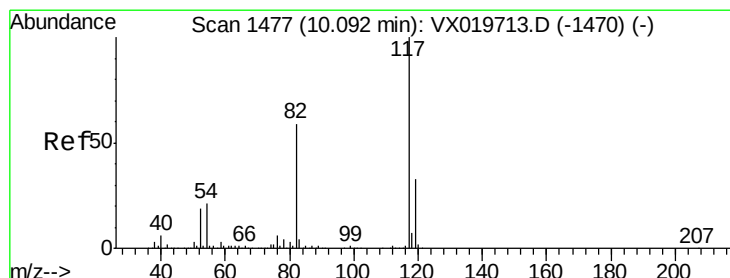
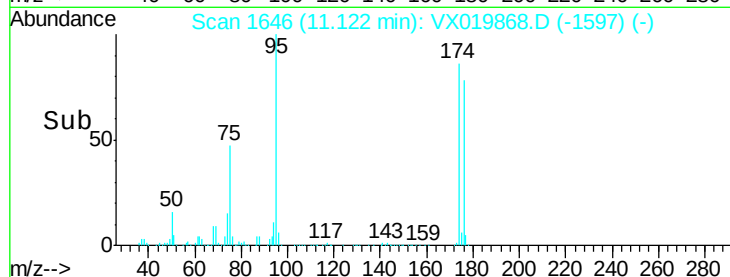
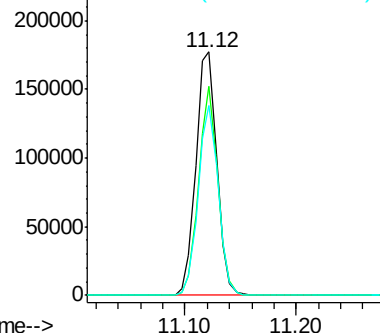
176 74.6 0.0 155.8



Abundance Ion 94.90 (94.60 to 95.60): VX

Ion 173.80 (173.50 to 174.50): VX

Ion 175.80 (175.50 to 176.50): VX



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.09 min Scan# 1477

Delta R.T. -0.00 min

Lab File: VX019868.D

Acq: 11 Dec 2020 10:49

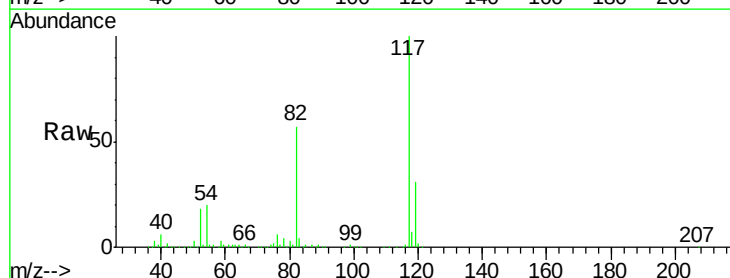
Tgt Ion: 117 Resp: 494610

Ion Ratio Lower Upper

117 100

82 56.8 47.4 71.2

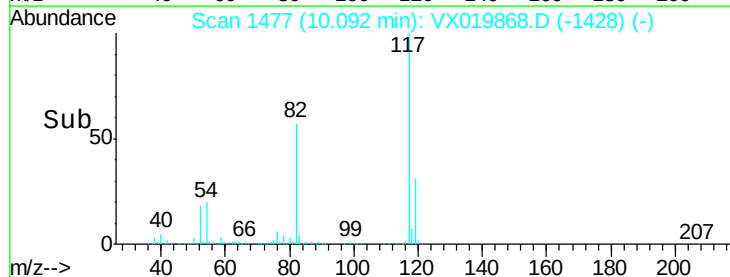
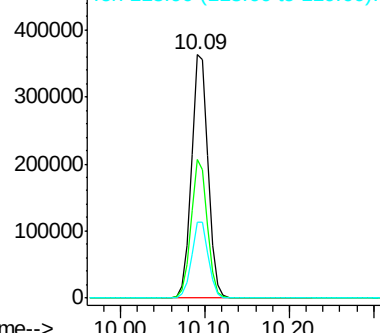
119 30.9 26.6 39.8

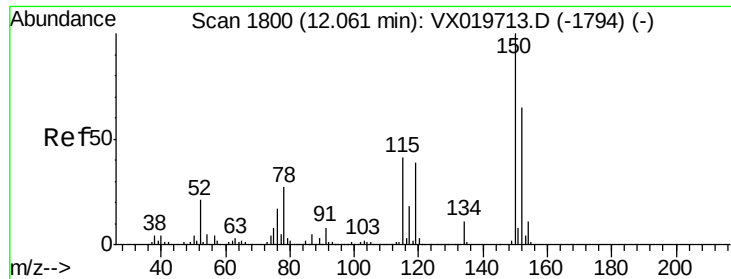


Abundance Ion 116.90 (116.60 to 117.60): VX

Ion 82.00 (81.70 to 82.70): VX

Ion 118.90 (118.60 to 119.60): VX





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX019868.D

Acq: 11 Dec 2020 10:49

Instrument :

MSVOA_X

ClientSampleId :

VX1211WBL02

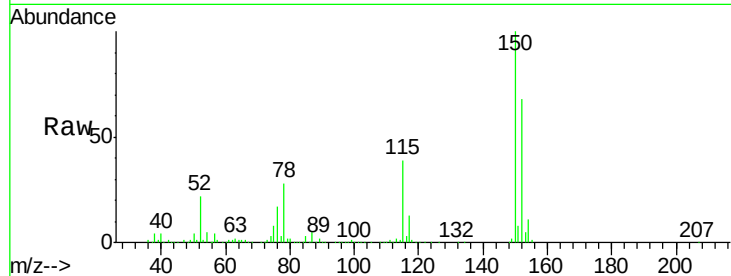
Tgt Ion:152 Resp: 213315

Ion Ratio Lower Upper

152 100

115 59.3 41.1 123.3

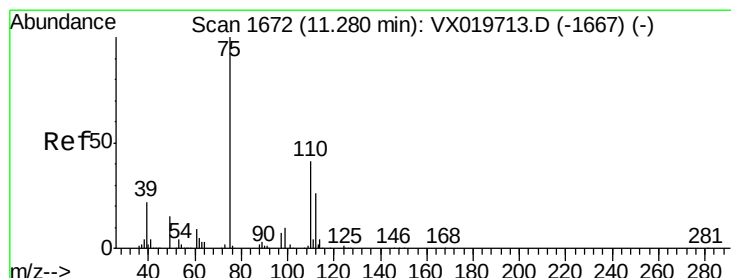
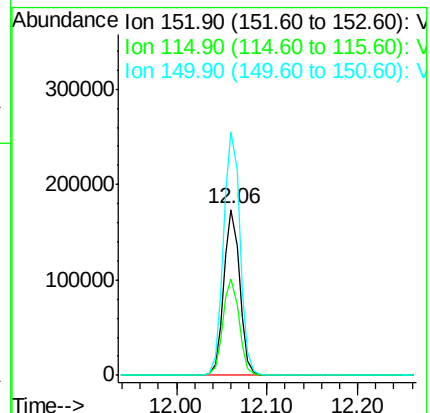
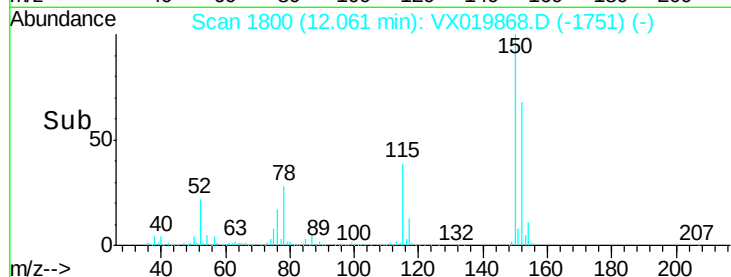
150 152.7 0.0 349.0



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



#76

1,2,3-Trichloropropane

Concen: 23.164 ug/l

RT: 11.12 min Scan# 1645

Delta R.T. -0.16 min

Lab File: VX019868.D

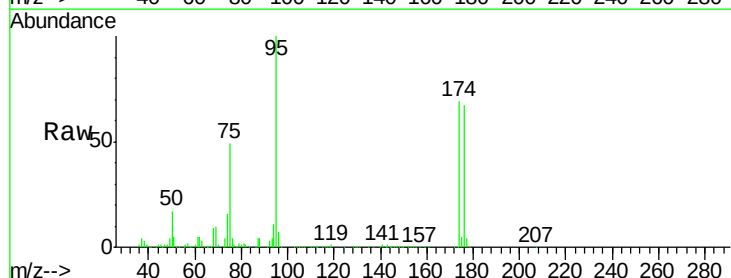
Acq: 11 Dec 2020 10:49

Tgt Ion: 75 Resp: 110821

Ion Ratio Lower Upper

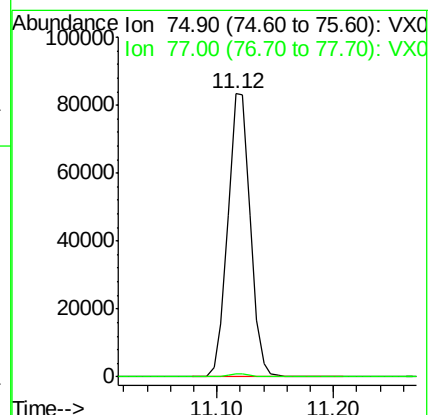
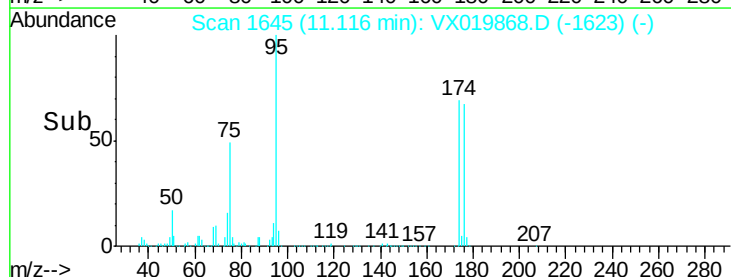
75 100

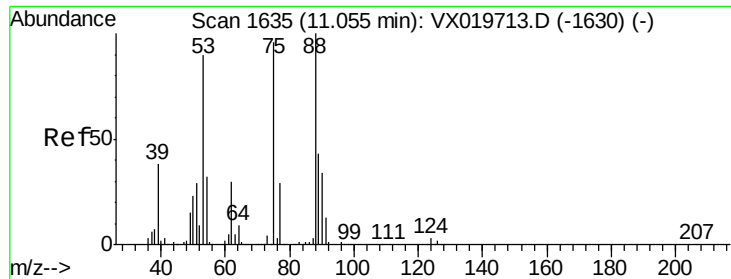
77 1.1 19.1 57.5#



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: 66.962 ug/l
 RT: 11.12 min Scan# 1645
 Delta R.T. 0.06 min
 Lab File: VX019868.D
 Acq: 11 Dec 2020 10:49

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1211WBL02

Tgt Ion: 75 Resp: 110821
 Ion Ratio Lower Upper
 75 100
 53 0.1 74.5 111.7#
 89 0.0 37.9 56.9#

