

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX121220\
 Data File : VX019927.D
 Acq On : 12 Dec 2020 13:06
 Operator : JC/MD
 Sample : VX1212WBL01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1212WBL01

Quant Time: Dec 14 05:27:54 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	322496	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.82	114	530596	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.09	117	479535	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	203926	50.00	ug/l	0.00

System Monitoring Compounds

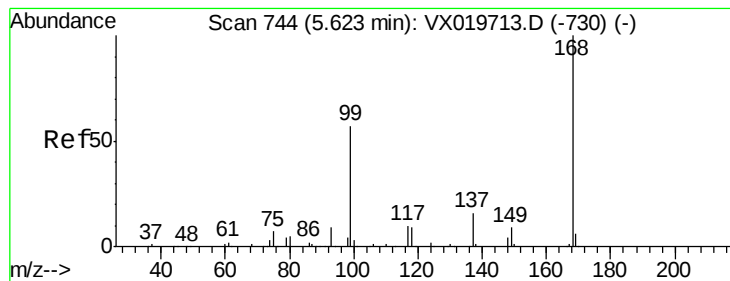
33) 1,2-Dichloroethane-d4	6.03	65	201750	47.60	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	95.20%		
35) Dibromofluoromethane	5.46	113	162113	47.27	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	94.54%		
50) Toluene-d8	8.70	98	636089	48.59	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	97.18%		
62) 4-Bromofluorobenzene	11.12	95	219040	43.96	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	87.92%		

Target Compounds

					Qvalue	
5) Bromomethane	1.64	94	842	0.693	ug/l	84
10) Methyl Iodide	2.50	142	1309	0.304	ug/l	91
11) Tert butyl alcohol	2.99	59	2930	0.757	ug/l #	73
13) Acrolein	2.28	56	389	0.831	ug/l #	80
15) Acrylonitrile	3.12	53	588	0.307	ug/l	99
16) Acetone	2.42	43	1339	0.840	ug/l #	80
20) Methylene Chloride	2.83	84	939	Below Cal		96
31) Cyclohexane	5.62	56	6408	1.215	ug/l #	1
36) 1,1-Dichloropropene	5.62	75	24264	5.061	ug/l #	49
38) Carbon Tetrachloride	5.62	117	31440	6.696	ug/l #	17
76) 1,2,3-Trichloropropane	11.12	75	105117	22.983	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.12	75	105117	66.439	ug/l #	12

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX121220\
Data File : VX019927.D
Acq On : 12 Dec 2020 13:06
Operator : JC/MD
Sample : VX1212WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 3 Sample Multiplier: 1



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.62 min Scan# 744

Delta R.T. 0.00 min

Lab File: VX019927.D

Acq: 12 Dec 2020 13:06

Instrument :

MSVOA_X

ClientSampleId :

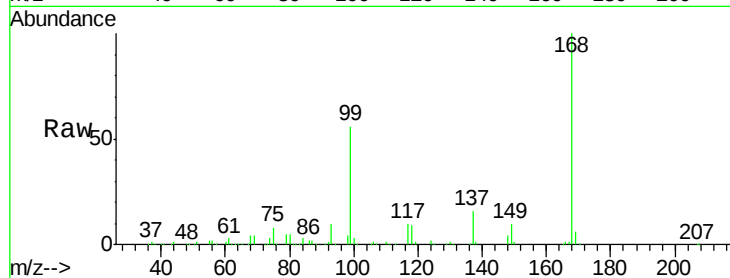
VX1212WBL01

Tgt Ion:168 Resp: 322496

Ion Ratio Lower Upper

168 100

99 55.9 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

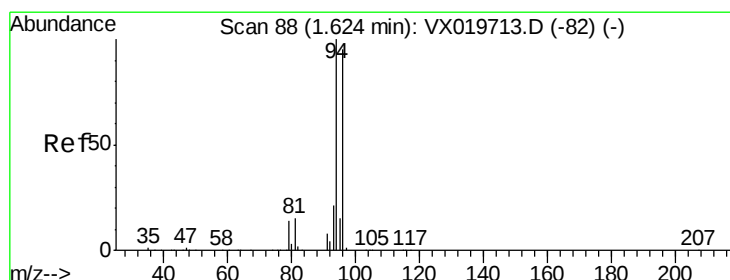
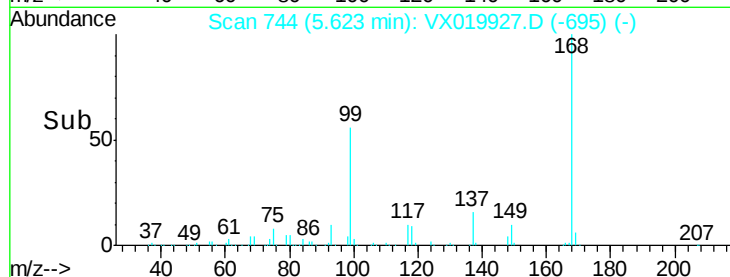
100000

50000

0

Time-->

5.50 5.60 5.70 5.80 5.90



#5

Bromomethane

Concen: 0.693 ug/l

RT: 1.64 min Scan# 91

Delta R.T. 0.02 min

Lab File: VX019927.D

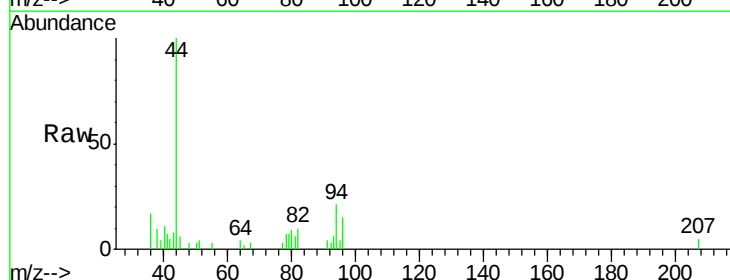
Acq: 12 Dec 2020 13:06

Tgt Ion: 94 Resp: 842

Ion Ratio Lower Upper

94 100

96 79.4 76.4 114.6



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

600

500

400

300

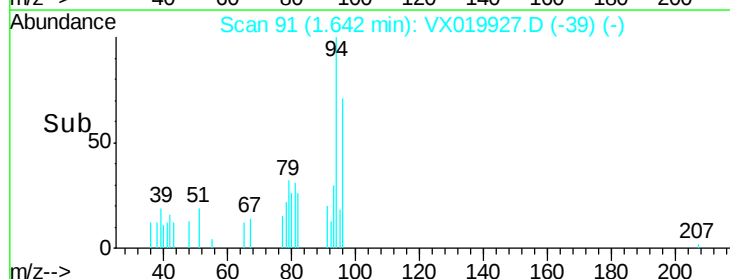
200

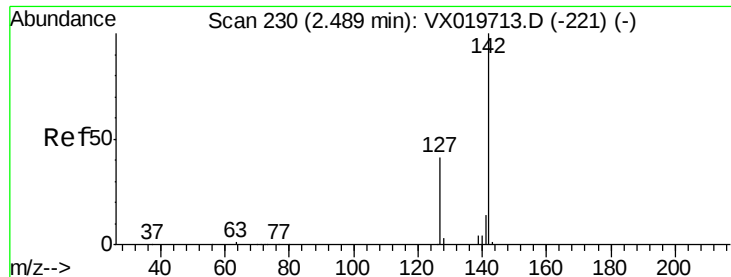
100

0

Time-->

1.60 1.65 1.70

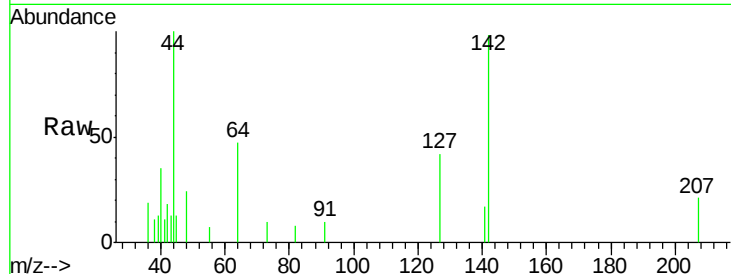




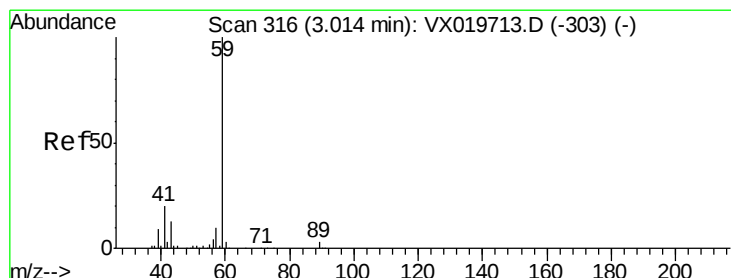
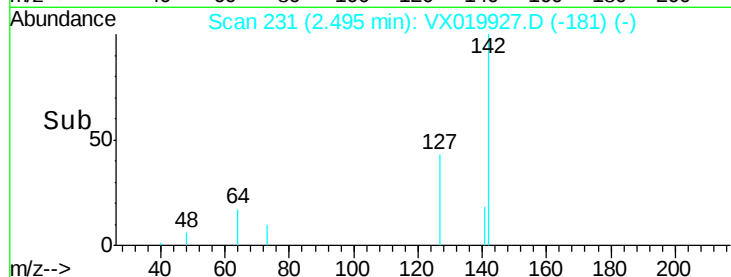
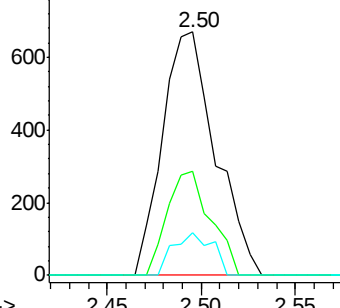
#10
Methyl Iodide
Concen: 0.304 ug/l
RT: 2.50 min Scan# 231
Delta R.T. 0.01 min
Lab File: VX019927.D
Acq: 12 Dec 2020 13:06

Instrument :
MSVOA_X
ClientSampleId :
VX1212WBL01

Tgt Ion: 142 Resp: 1309
Ion Ratio Lower Upper
142 100
127 35.1 33.3 49.9
141 12.9 11.4 17.0

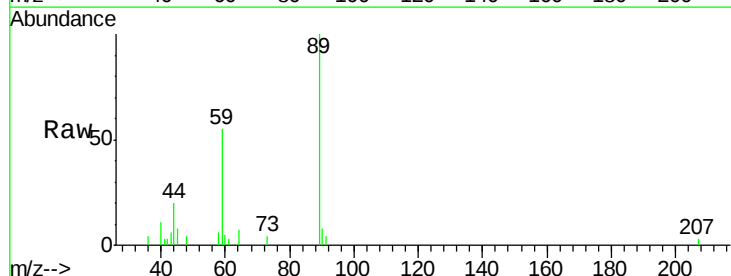


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

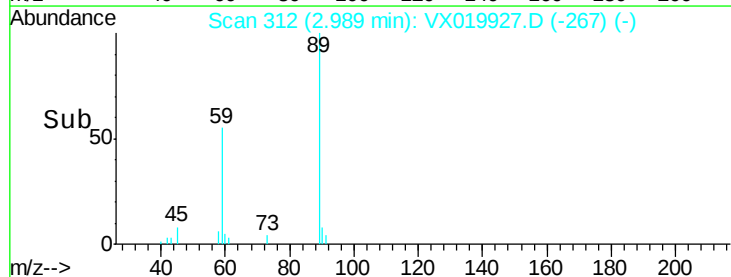
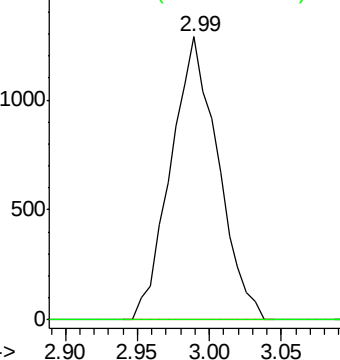


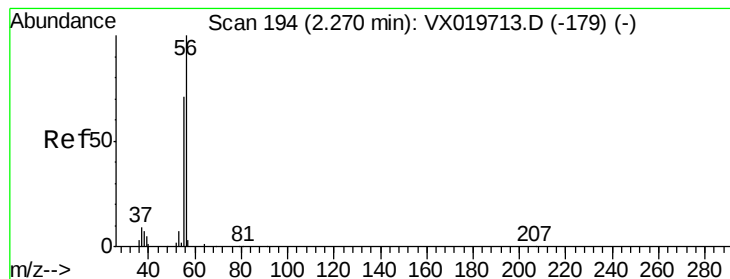
#11
Tert butyl alcohol
Concen: 0.757 ug/l
RT: 2.99 min Scan# 312
Delta R.T. -0.02 min
Lab File: VX019927.D
Acq: 12 Dec 2020 13:06

Tgt Ion: 59 Resp: 2930
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: 0.831 ug/l

RT: 2.28 min Scan# 195

Delta R.T. 0.01 min

Lab File: VX019927.D

Acq: 12 Dec 2020 13:06

Instrument :

MSVOA_X

ClientSampleId :

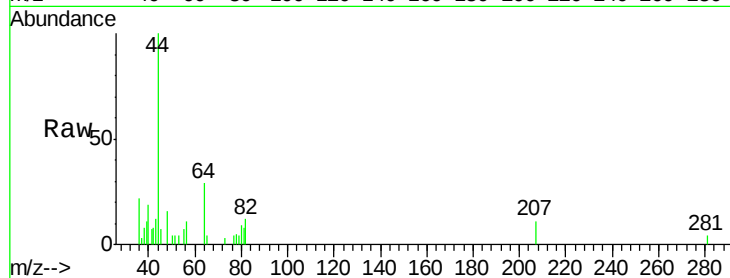
VX1212WBL01

Tgt Ion: 56 Resp: 389

Ion Ratio Lower Upper

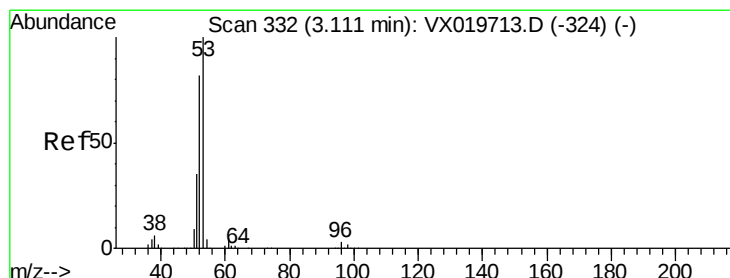
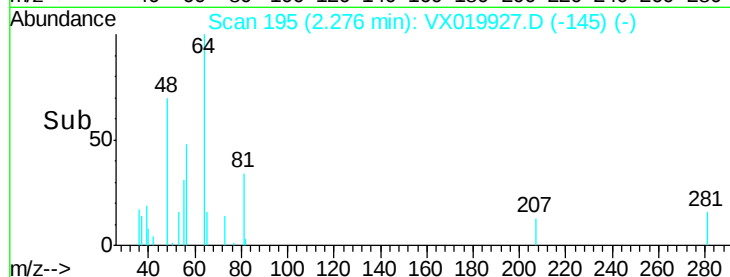
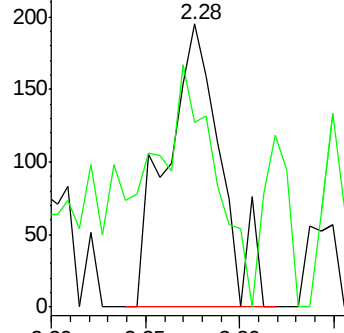
56 100

55 86.9 56.4 84.6#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#15

Acrylonitrile

Concen: 0.307 ug/l

RT: 3.12 min Scan# 334

Delta R.T. 0.01 min

Lab File: VX019927.D

Acq: 12 Dec 2020 13:06

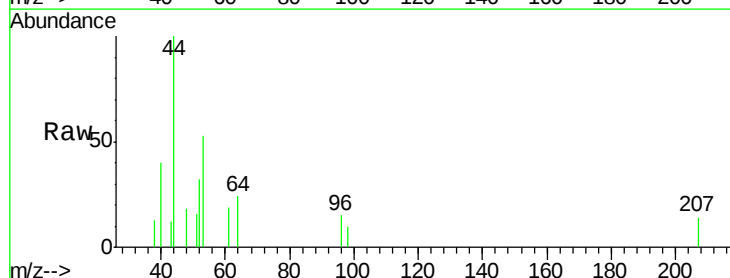
Tgt Ion: 53 Resp: 588

Ion Ratio Lower Upper

53 100

52 79.9 65.3 97.9

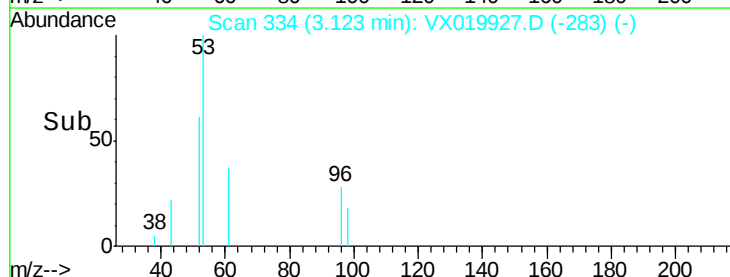
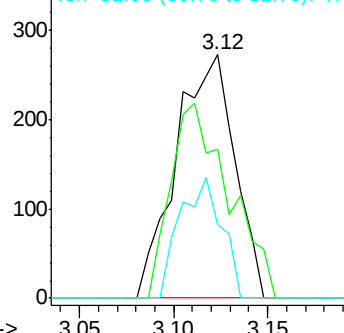
51 35.4 28.2 42.2

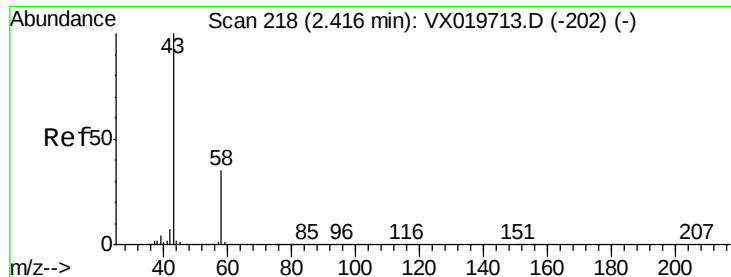


Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0





#16

Acetone

Concen: 0.840 ug/l

RT: 2.42 min Scan# 218

Delta R.T. 0.00 min

Lab File: VX019927.D

Acq: 12 Dec 2020 13:06

Instrument :

MSVOA_X

ClientSampleId :

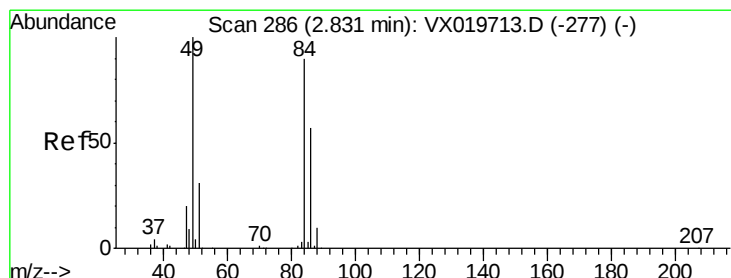
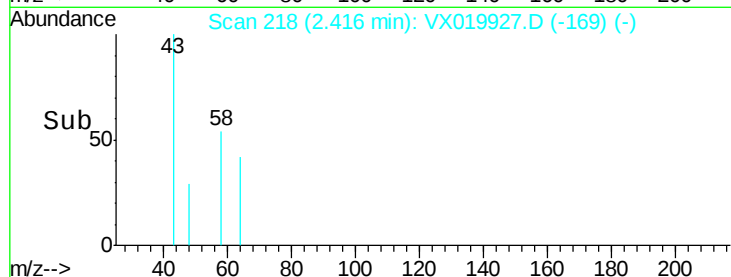
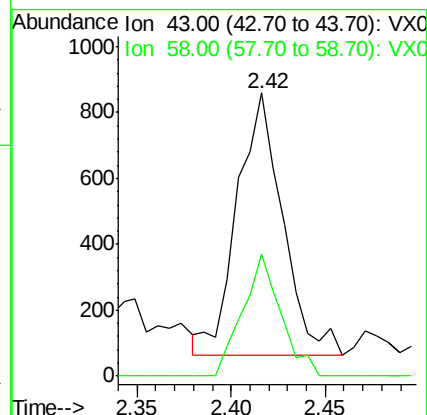
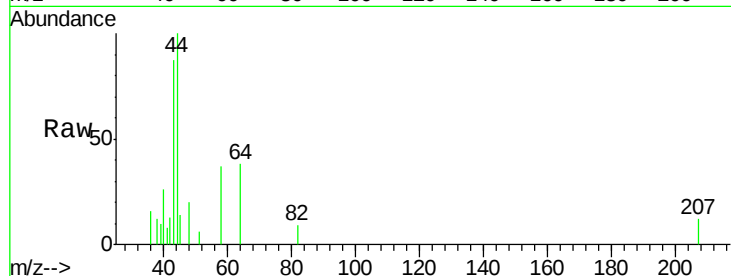
VX1212WBL01

Tgt Ion: 43 Resp: 1339

Ion Ratio Lower Upper

43 100

58 46.5 27.8 41.8#



#20

Methylene Chloride

Concen: Below Cal

RT: 2.83 min Scan# 286

Delta R.T. 0.00 min

Lab File: VX019927.D

Acq: 12 Dec 2020 13:06

Tgt Ion: 84 Resp: 939

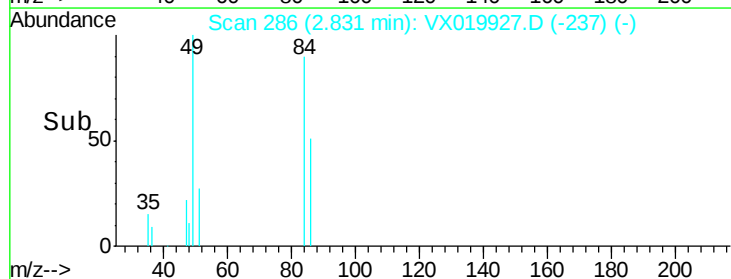
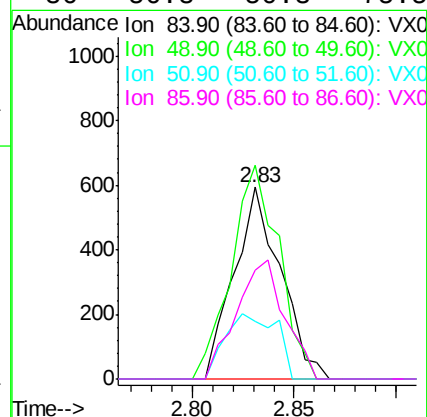
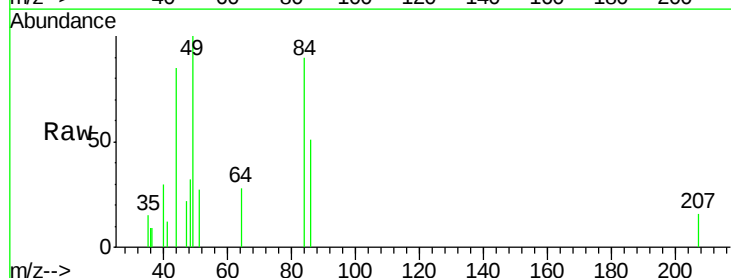
Ion Ratio Lower Upper

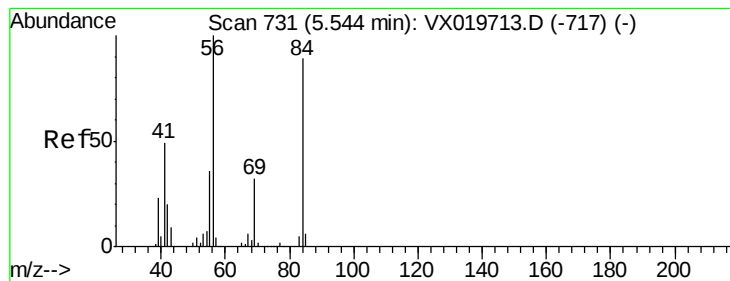
84 100

49 111.5 88.6 132.8

51 30.0 27.0 40.6

86 56.8 50.3 75.5





#31

Cyclohexane

Concen: 1.215 ug/l

RT: 5.62 min Scan# 744

Delta R.T. 0.08 min

Lab File: VX019927.D

Acq: 12 Dec 2020 13:06

Instrument :

MSVOA_X

ClientSampleId :

VX1212WBL01

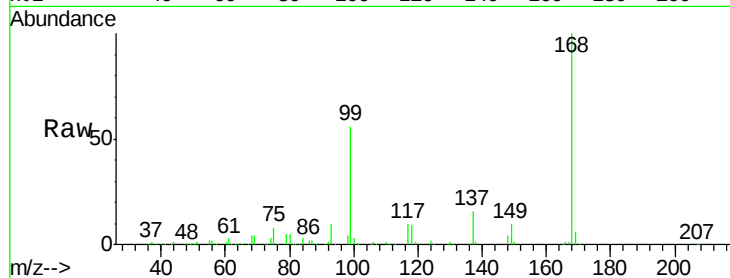
Tgt Ion: 56 Resp: 6408

Ion Ratio Lower Upper

56 100

69 192.9 25.3 37.9#

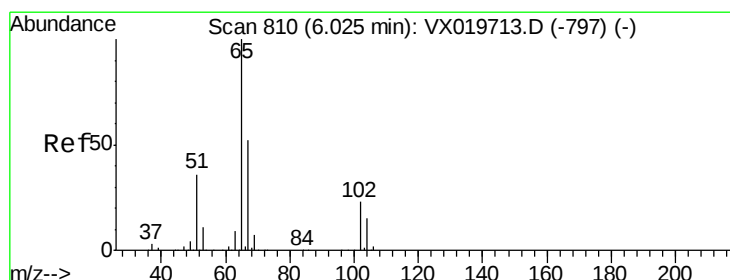
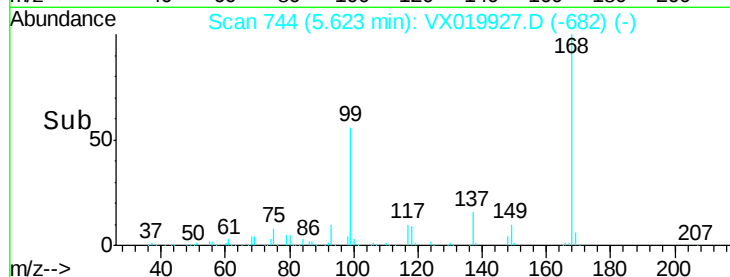
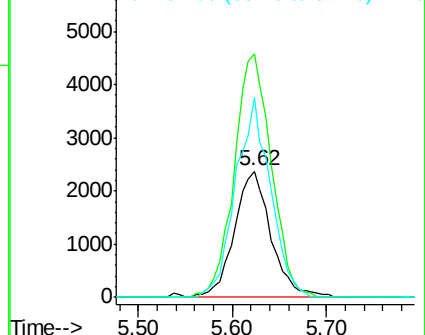
84 158.1 71.4 107.0#



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: 47.599 ug/l

RT: 6.03 min Scan# 810

Delta R.T. 0.00 min

Lab File: VX019927.D

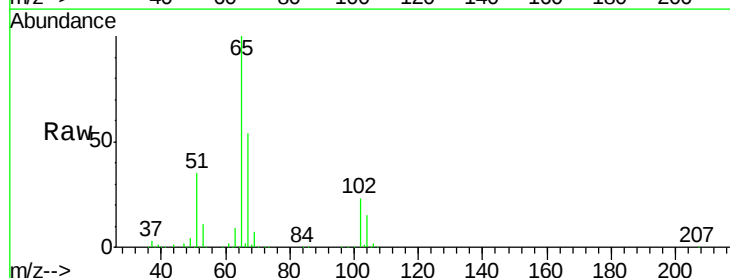
Acq: 12 Dec 2020 13:06

Tgt Ion: 65 Resp: 201750

Ion Ratio Lower Upper

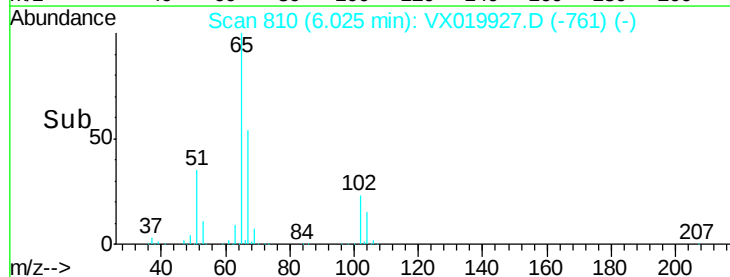
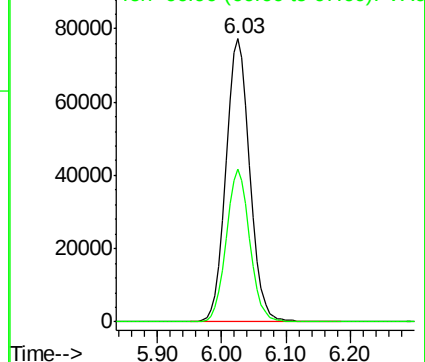
65 100

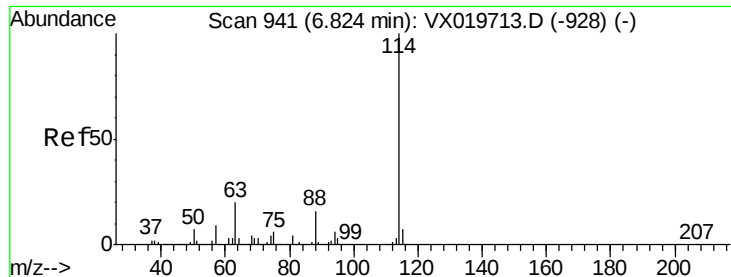
67 53.2 0.0 105.4



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: VX019927.D

Acq: 12 Dec 2020 13:06

Instrument :

MSVOA_X

ClientSampleId :

VX1212WBL01

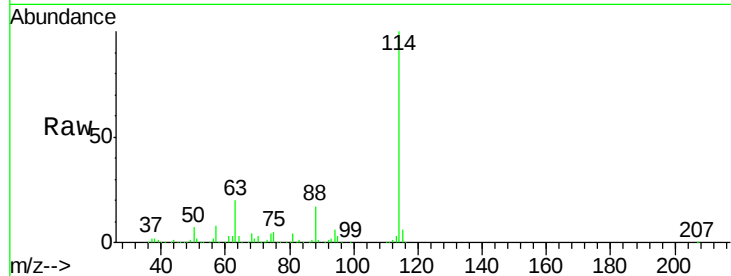
Tgt Ion:114 Resp: 530596

Ion Ratio Lower Upper

114 100

63 20.4 0.0 40.8

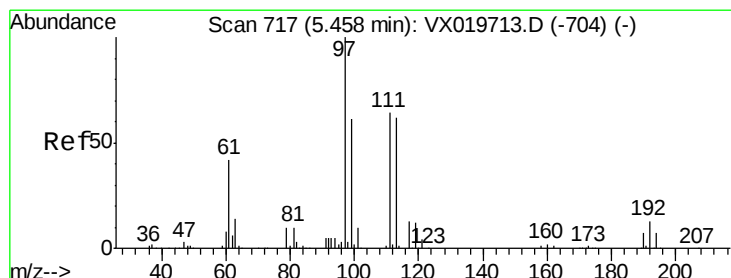
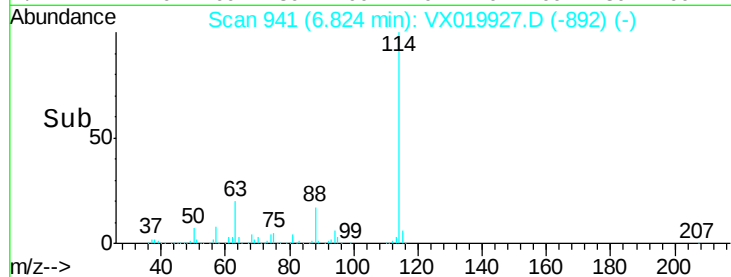
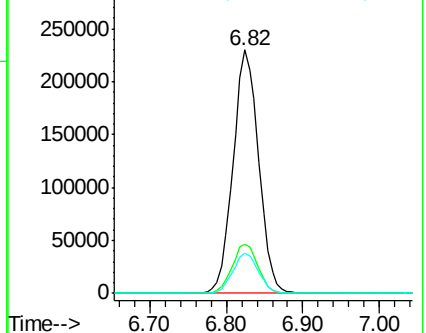
88 16.5 0.0 32.8



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: 47.275 ug/l

RT: 5.46 min Scan# 717

Delta R.T. 0.00 min

Lab File: VX019927.D

Acq: 12 Dec 2020 13:06

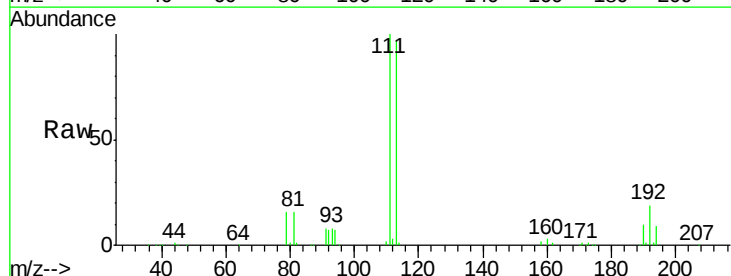
Tgt Ion:113 Resp: 162113

Ion Ratio Lower Upper

113 100

111 103.5 81.9 122.9

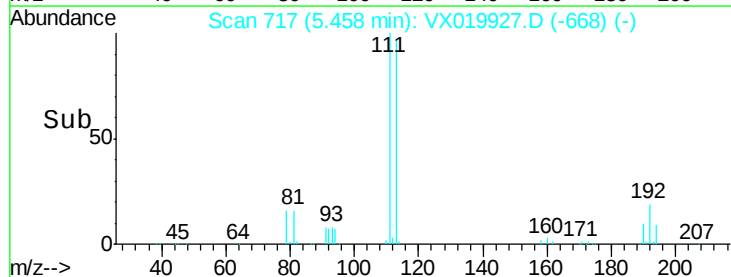
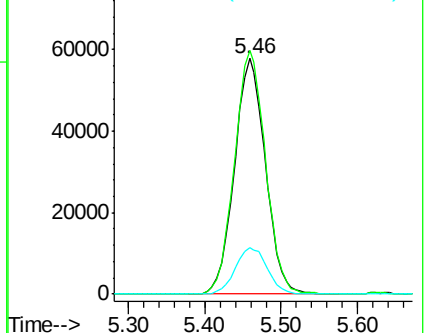
192 20.4 16.7 25.1

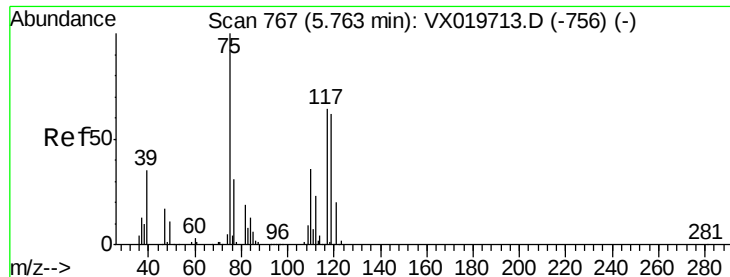


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

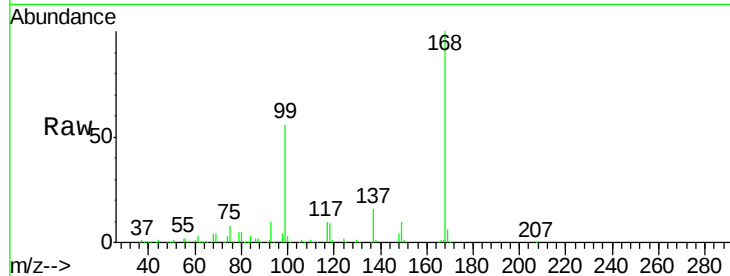




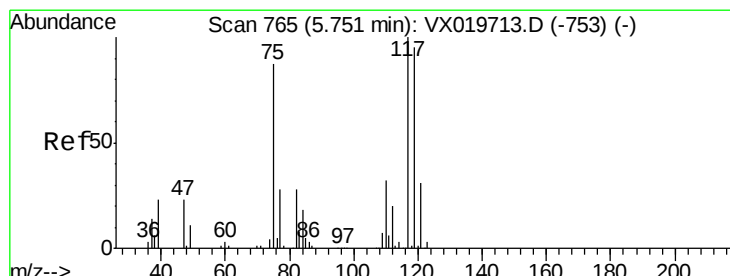
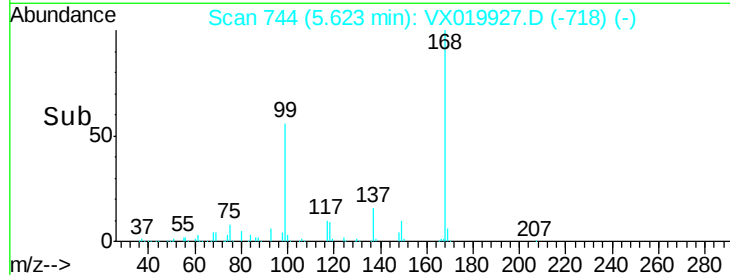
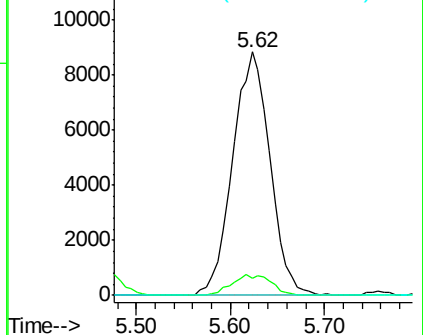
#36
 1,1-Dichloropropene
 Concen: 5.061 ug/l
 RT: 5.62 min Scan# 744
 Delta R.T. -0.14 min
 Lab File: VX019927.D
 Acq: 12 Dec 2020 13:06

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1212WBL01

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.9	18.1	54.4#
77	0.0	25.3	37.9#

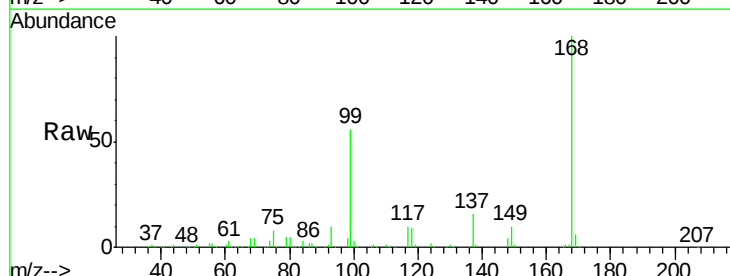


Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VX0

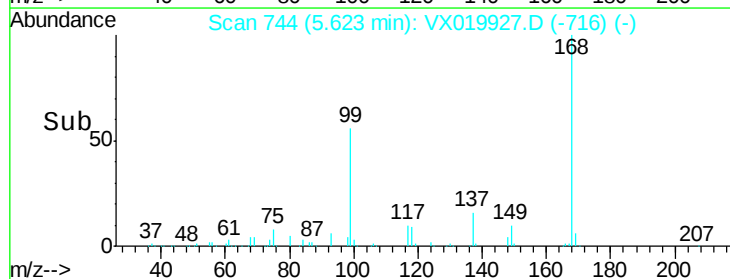
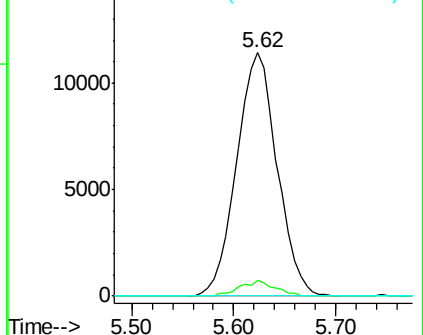


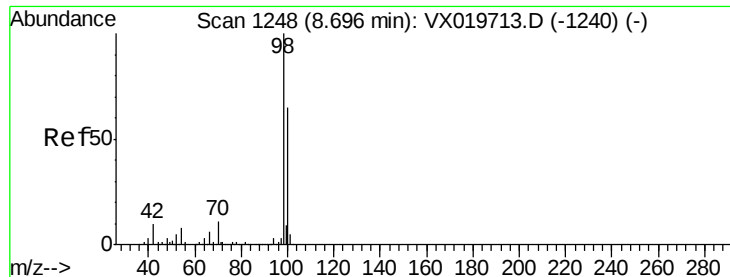
#38
 Carbon Tetrachloride
 Concen: 6.696 ug/l
 RT: 5.62 min Scan# 744
 Delta R.T. -0.13 min
 Lab File: VX019927.D
 Acq: 12 Dec 2020 13:06

Tgt Ion	Ratio	Lower	Upper
117	100		
119	6.6	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: 48.587 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. 0.00 min

Lab File: VX019927.D

Acq: 12 Dec 2020 13:06

Instrument :

MSVOA_X

ClientSampleId :

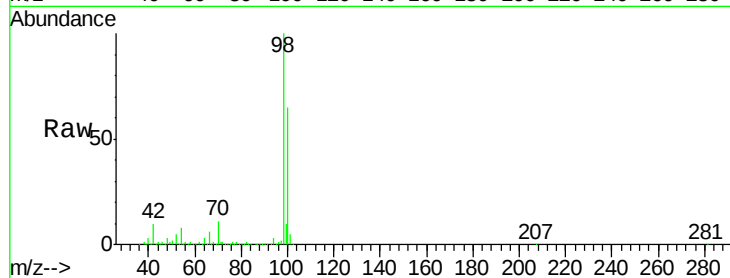
VX1212WBL01

Tgt Ion: 98 Resp: 636089

Ion Ratio Lower Upper

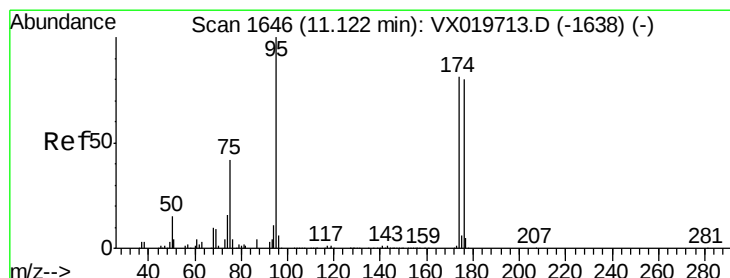
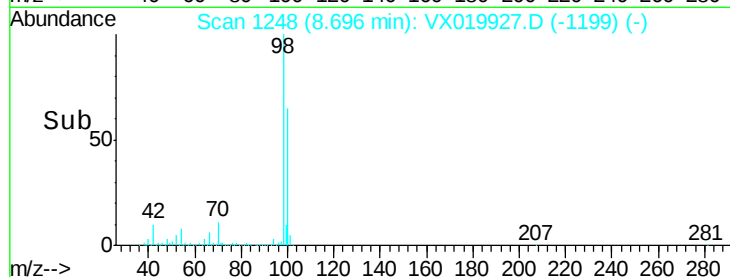
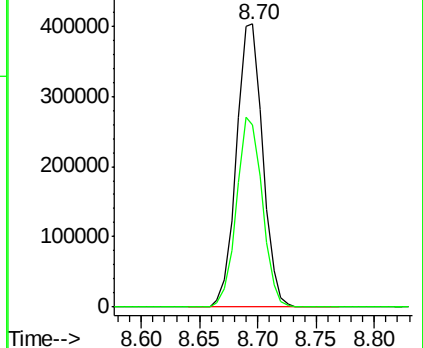
98 100

100 65.8 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0



#62

4-Bromofluorobenzene

Concen: 43.959 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.00 min

Lab File: VX019927.D

Acq: 12 Dec 2020 13:06

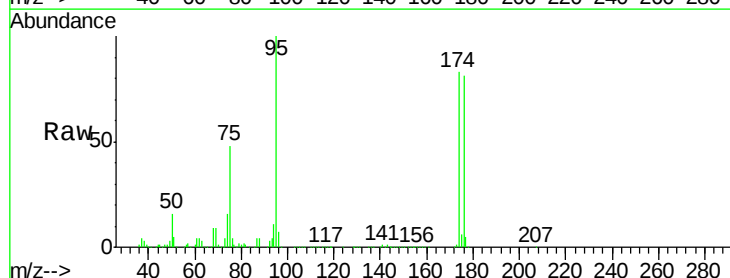
Tgt Ion: 95 Resp: 219040

Ion Ratio Lower Upper

95 100

174 79.2 0.0 154.6

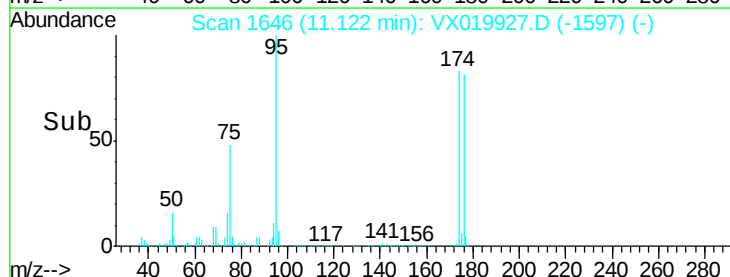
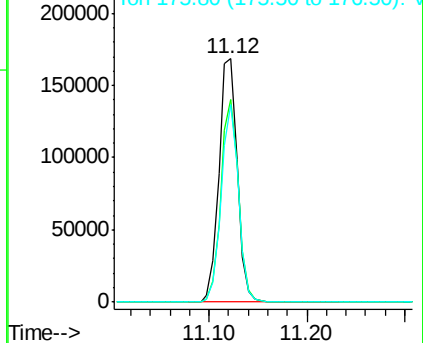
176 76.2 0.0 155.8

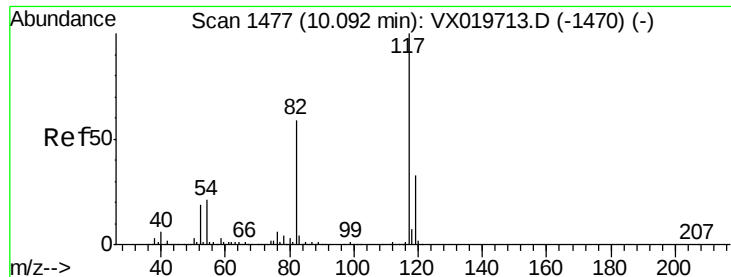


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

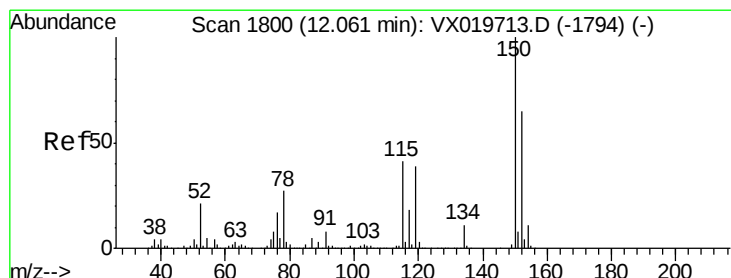
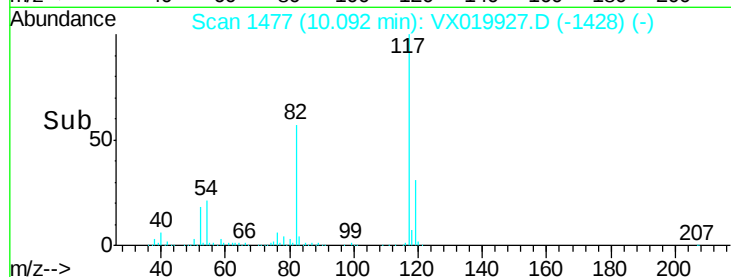
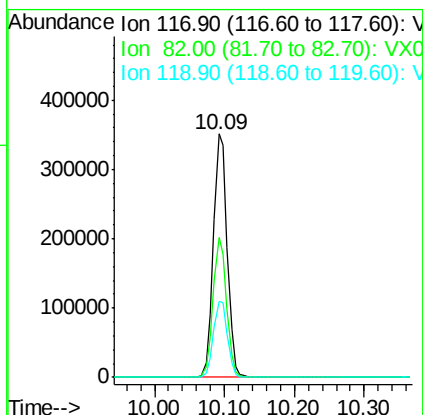
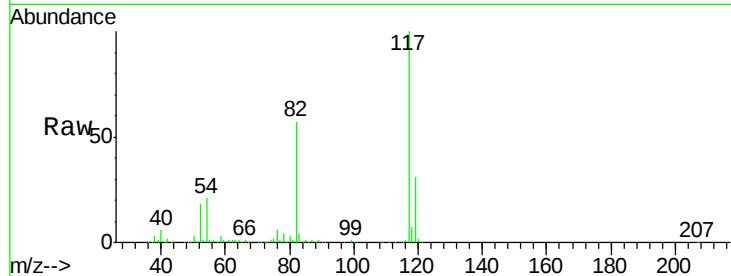




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.09 min Scan# 1477
Delta R.T. 0.00 min
Lab File: VX019927.D
Acq: 12 Dec 2020 13:06

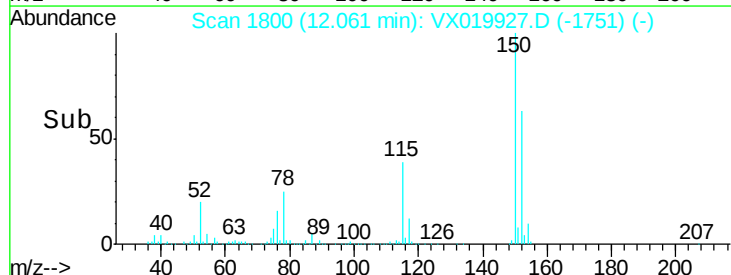
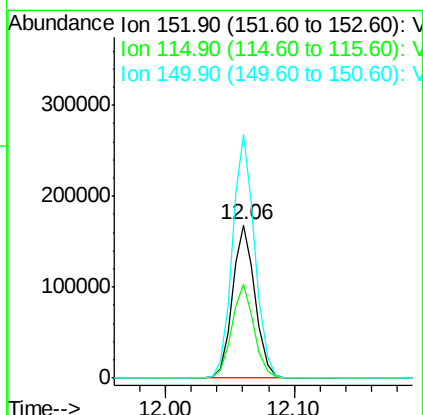
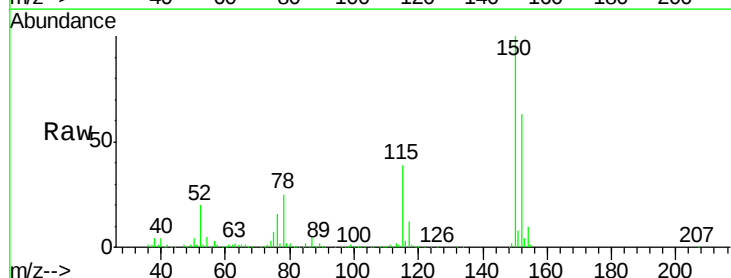
Instrument :
MSVOA_X
ClientSampleId :
VX1212WBL01

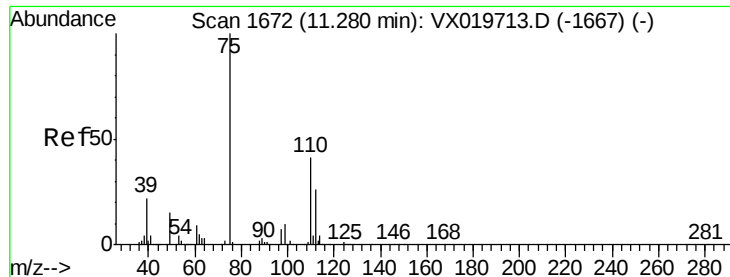
Tgt Ion:117 Resp: 479535
Ion Ratio Lower Upper
117 100
82 57.4 47.4 71.2
119 31.3 26.6 39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. 0.00 min
Lab File: VX019927.D
Acq: 12 Dec 2020 13:06

Tgt Ion:152 Resp: 203926
Ion Ratio Lower Upper
152 100
115 60.4 41.1 123.3
150 158.1 0.0 349.0





#76

1,2,3-Trichloropropane

Concen: 22.983 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX019927.D

Acq: 12 Dec 2020 13:06

Instrument :

MSVOA_X

ClientSampleId :

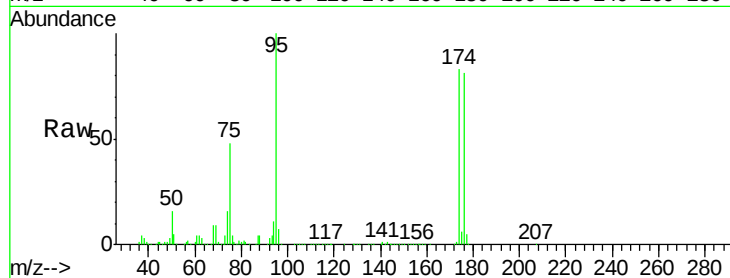
VX1212WBL01

Tgt Ion: 75 Resp: 105117

Ion Ratio Lower Upper

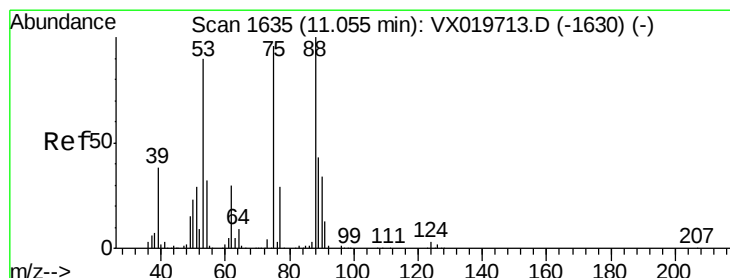
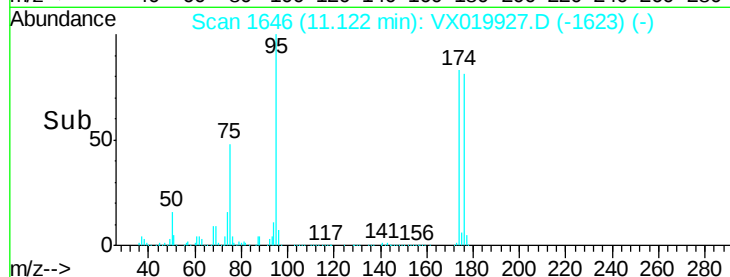
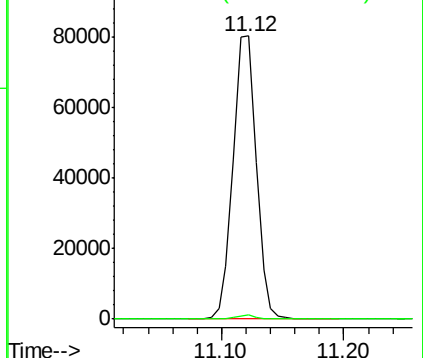
75 100

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: 66.439 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.07 min

Lab File: VX019927.D

Acq: 12 Dec 2020 13:06

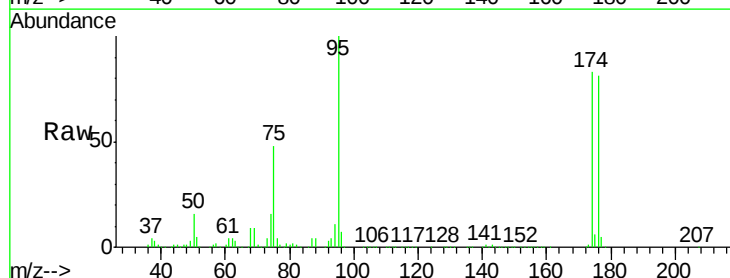
Tgt Ion: 75 Resp: 105117

Ion Ratio Lower Upper

75 100

53 0.0 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

