

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX090519\
 Data File : VX012098.D
 Acq On : 05 Sep 2019 13:55
 Operator : SY/SP
 Sample : K4538-04
 Misc : 5.50g/5.0mL/MSVOA_X/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SB-4

Quant Time: Sep 06 05:41:39 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X090319S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 03 15:26:48 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	130194	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	226390	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	198889	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	90539	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.05	65	93290	51.93	ug/l	0.00
Spiked Amount			Recovery	=	103.86%	
35) Dibromofluoromethane	5.48	113	67681	48.61	ug/l	0.00
Spiked Amount			Recovery	=	97.22%	
50) Toluene-d8	8.71	98	268693	52.59	ug/l	0.00
Spiked Amount			Recovery	=	105.18%	
62) 4-Bromofluorobenzene	11.14	95	110344	46.44	ug/l	0.00
Spiked Amount			Recovery	=	92.88%	

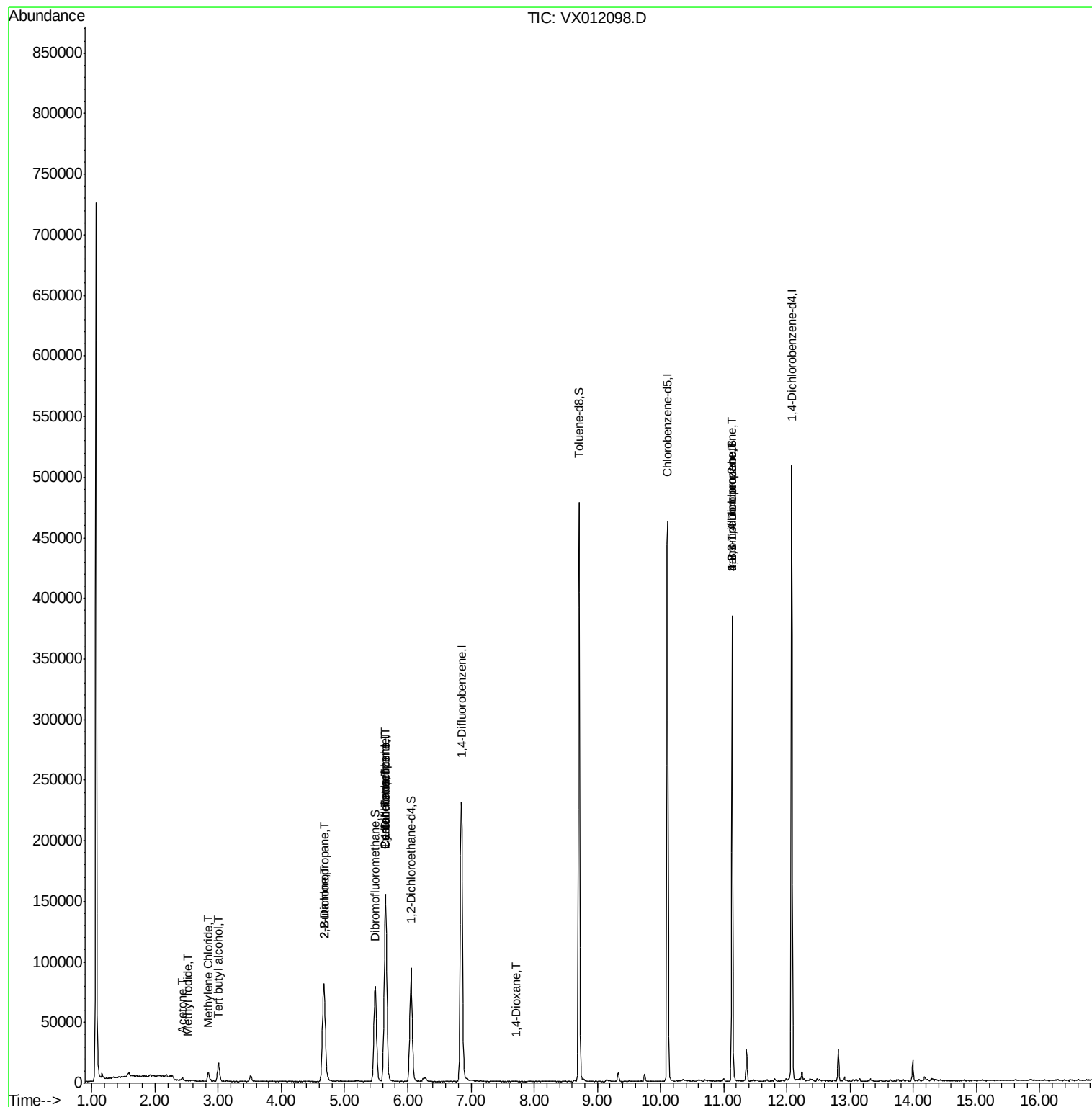
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	2.51	142	166	7.094	ug/l #	76
11) Tert butyl alcohol	3.00	59	9455	54.797	ug/l #	88
13) Acrolein	2.30	56	53	Below Cal	#	12
16) Acetone	2.43	43	2507	5.839	ug/l #	83
20) Methylene Chloride	2.84	84	3668	2.127	ug/l	91
25) 2-Butanone	4.67	43	4804	8.789	ug/l #	77
26) 2,2-Dichloropropane	4.67	77	6383	2.521	ug/l #	53
31) Cyclohexane	5.65	56	3793	1.722	ug/l #	25
36) 1,1-Dichloropropene	5.64	75	12782	6.410	ug/l #	49
38) Carbon Tetrachloride	5.65	117	15547	7.400	ug/l #	15
49) 1,4-Dioxane	7.71	88	23	1.522	ug/l #	1
76) 1,2,3-Trichloropropane	11.14	75	57737	52.192	ug/l #	32
81) trans-1,4-Dichloro-2-buten	11.14	75	57737	123.389	ug/l #	10

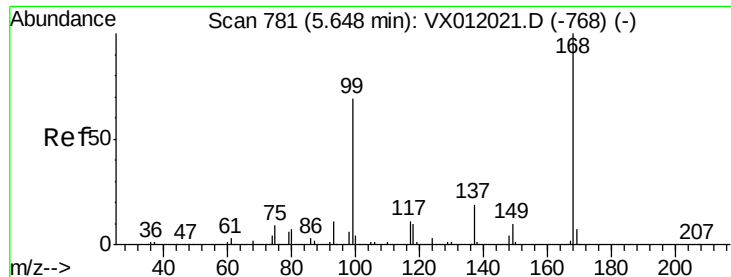
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX090519\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.00 min

Lab File: VX012098.D

Acq: 05 Sep 2019 13:55

Instrument :

MSVOA_X

ClientSampled :

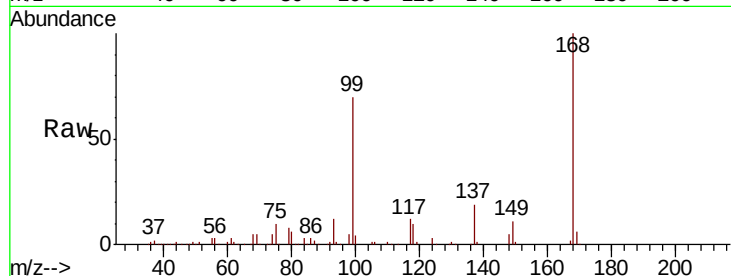
SB-4

Tgt Ion:168 Resp: 130194

Ion Ratio Lower Upper

168 100

99 70.1 37.6 56.4#



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

40000

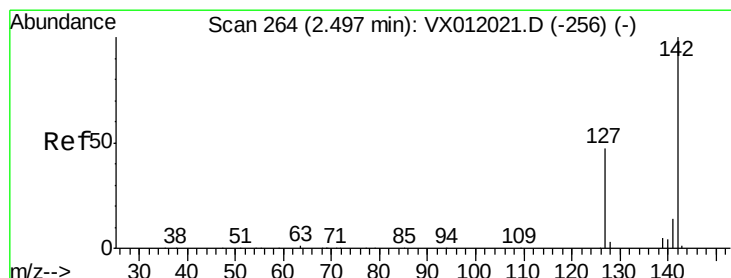
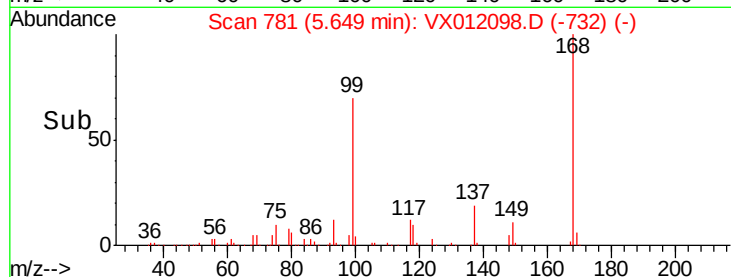
30000

20000

10000

0

Time--> 5.50 5.60 5.70 5.80



#10

Methyl Iodide

Concen: 7.094 ug/l

RT: 2.51 min Scan# 266

Delta R.T. 0.01 min

Lab File: VX012098.D

Acq: 05 Sep 2019 13:55

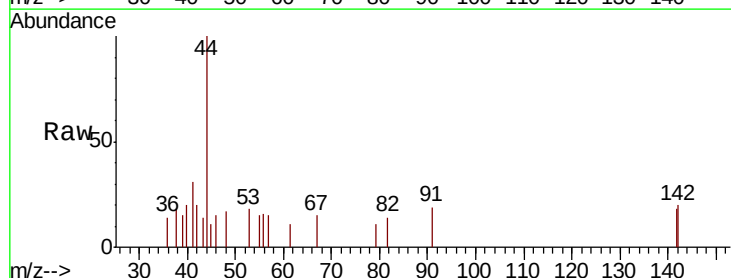
Tgt Ion:142 Resp: 166

Ion Ratio Lower Upper

142 100

127 31.3 35.4 53.2#

141 0.0 11.4 17.2#



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

250

200

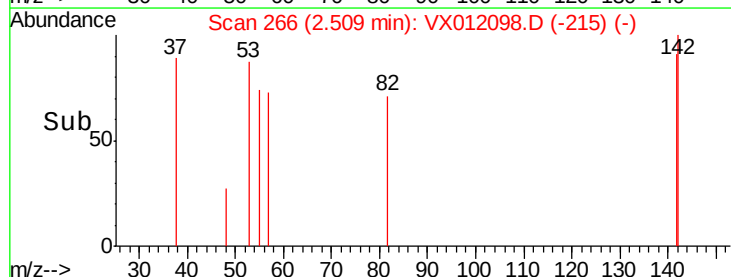
150

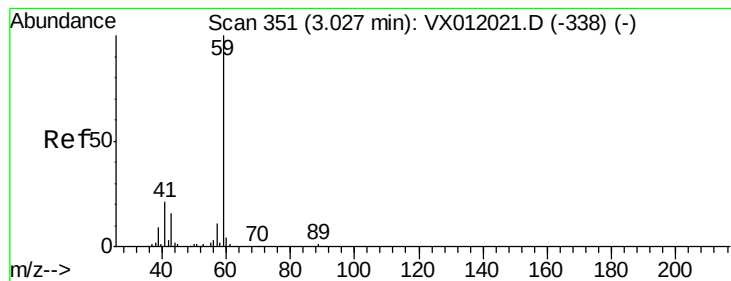
100

50

0

Time--> 2.48 2.50 2.52 2.54





#11

Tert butyl alcohol

Concen: 54.797 ug/l

RT: 3.00 min Scan# 347

Delta R.T. -0.02 min

Lab File: VX012098.D

Acq: 05 Sep 2019 13:55

Instrument :

MSVOA_X

ClientSampleId :

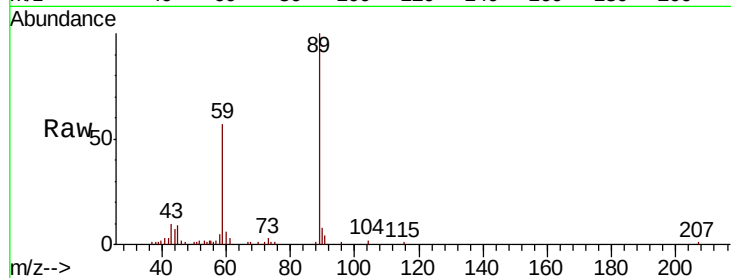
SB-4

Tgt Ion: 59 Resp: 9455

Ion Ratio Lower Upper

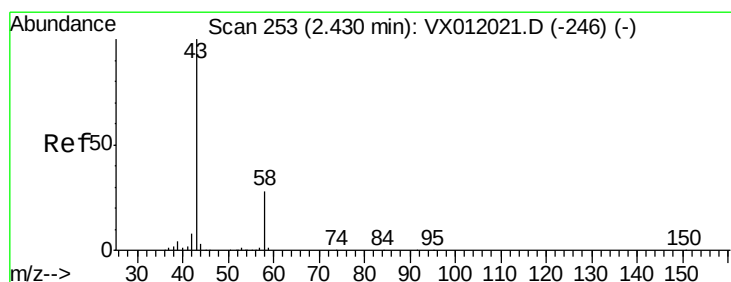
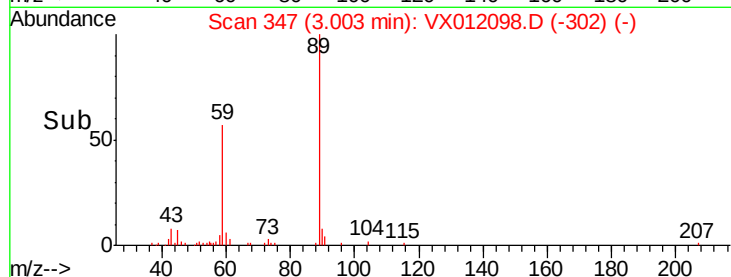
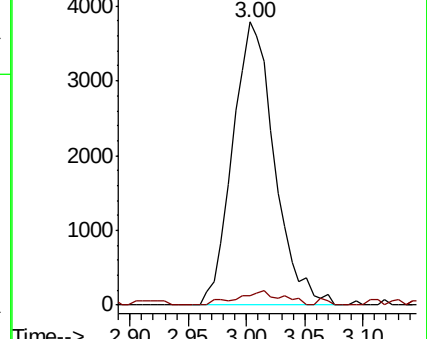
59 100

57 5.3 7.9 11.9#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0



#16

Acetone

Concen: 5.839 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.00 min

Lab File: VX012098.D

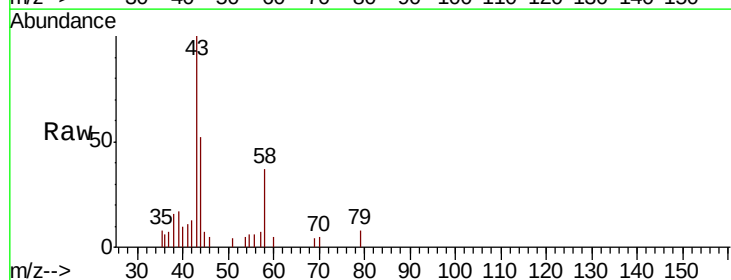
Acq: 05 Sep 2019 13:55

Tgt Ion: 43 Resp: 2507

Ion Ratio Lower Upper

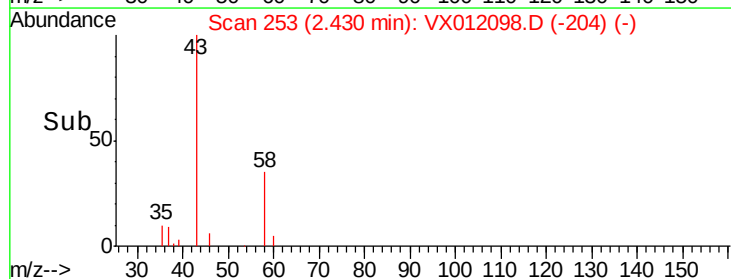
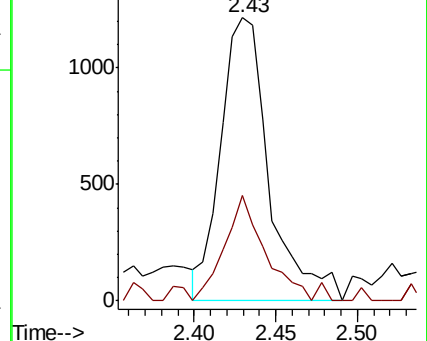
43 100

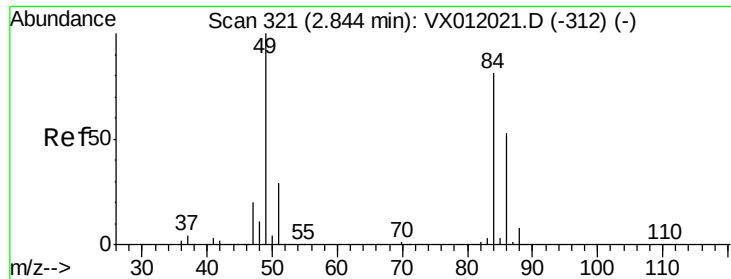
58 37.4 22.8 34.2#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

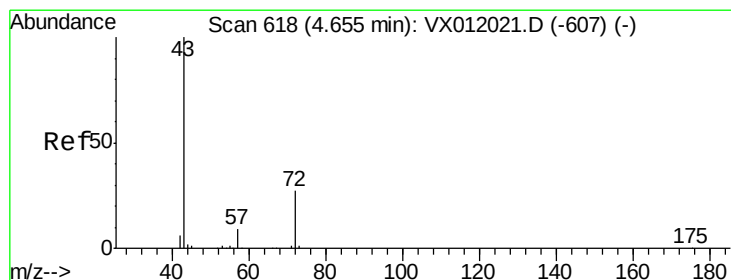
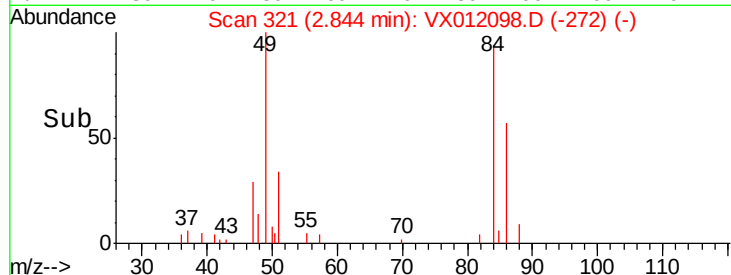
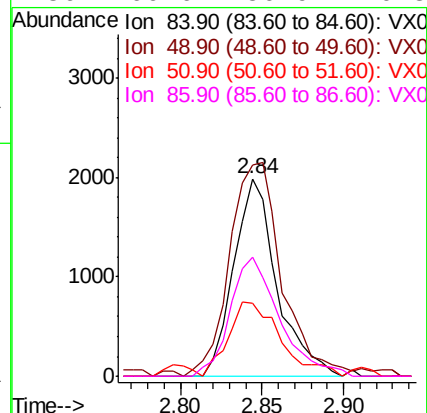
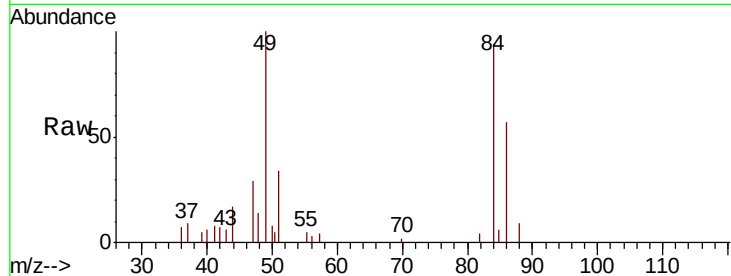




#20
Methylene Chloride
Concen: 2.127 ug/l
RT: 2.84 min Scan# 321
Delta R.T. -0.00 min
Lab File: VX012098.D
Acq: 05 Sep 2019 13:55

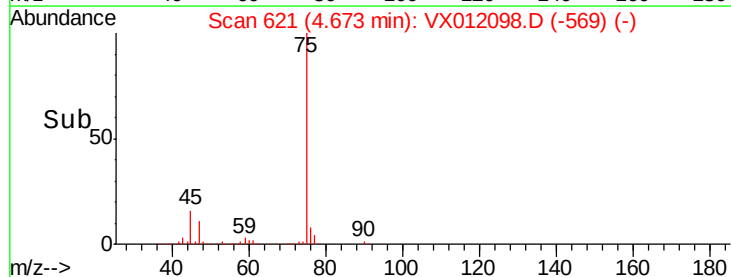
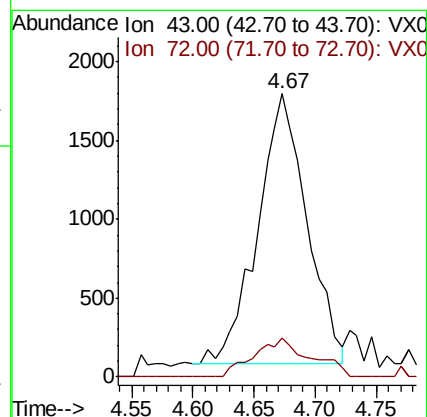
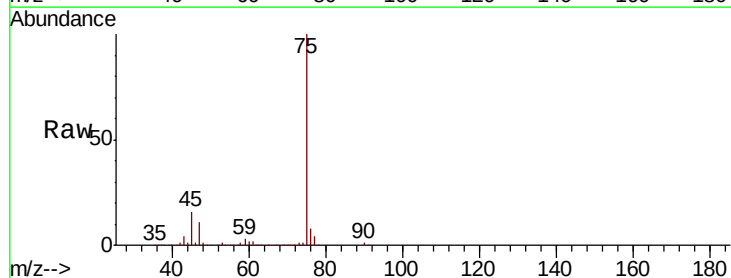
Instrument :
MSVOA_X
ClientSampled :
SB-4

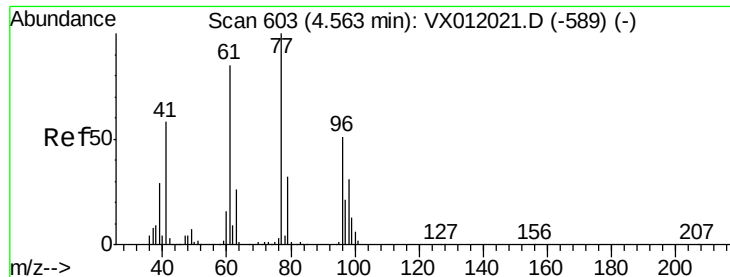
Tgt Ion: 84 Resp: 3668
Ion Ratio Lower Upper
84 100
49 103.8 95.8 143.8
51 36.7 28.6 43.0
86 60.6 50.9 76.3



#25
2-Butanone
Concen: 8.789 ug/l
RT: 4.67 min Scan# 621
Delta R.T. 0.02 min
Lab File: VX012098.D
Acq: 05 Sep 2019 13:55

Tgt Ion: 43 Resp: 4804
Ion Ratio Lower Upper
43 100
72 14.6 21.3 31.9#

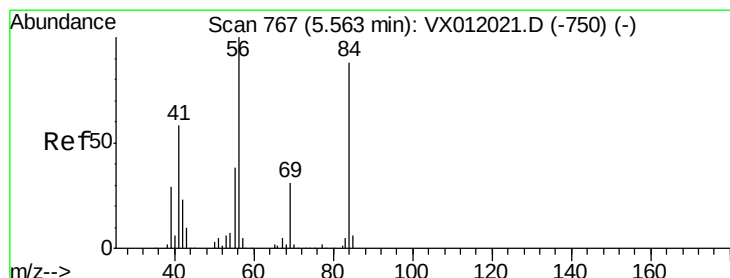
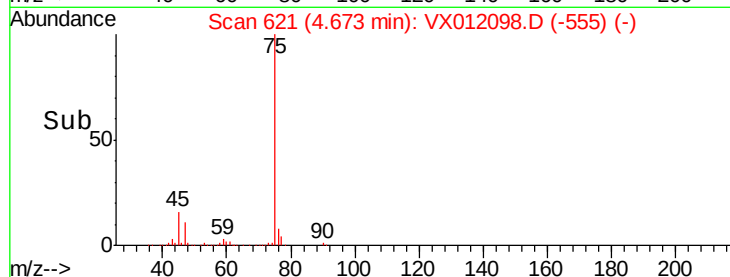
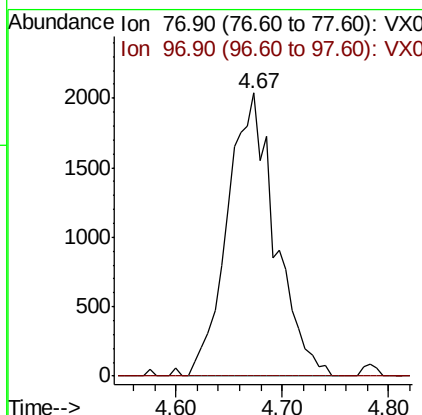
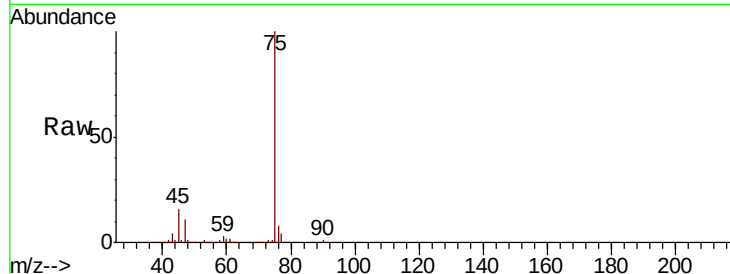




#26
 2,2-Dichloropropane
 Concen: 2.521 ug/l
 RT: 4.67 min Scan# 621
 Delta R.T. 0.10 min
 Lab File: VX012098.D
 Acq: 05 Sep 2019 13:55

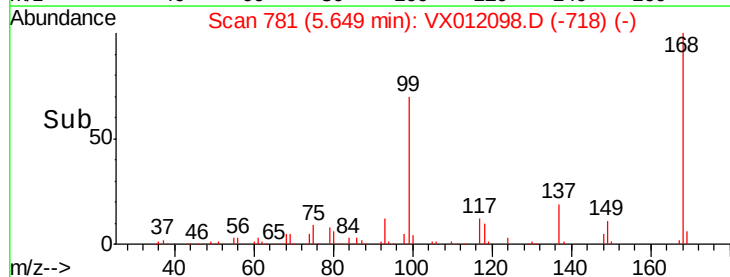
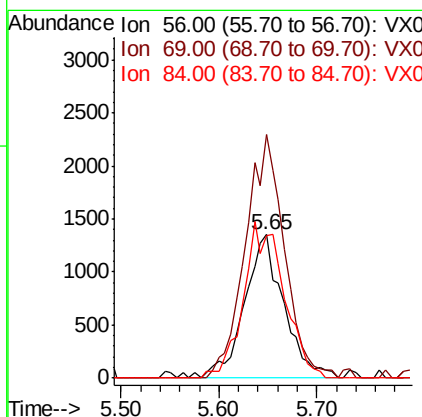
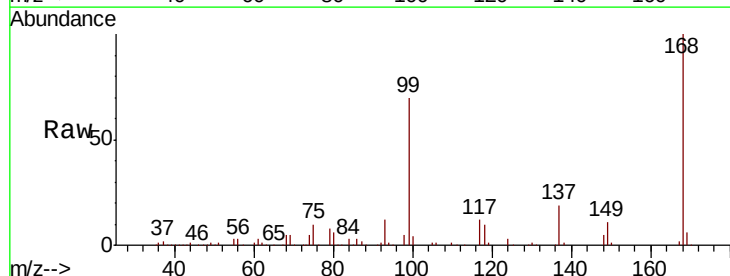
Instrument :
 MSVOA_X
 ClientSampled :
 SB-4

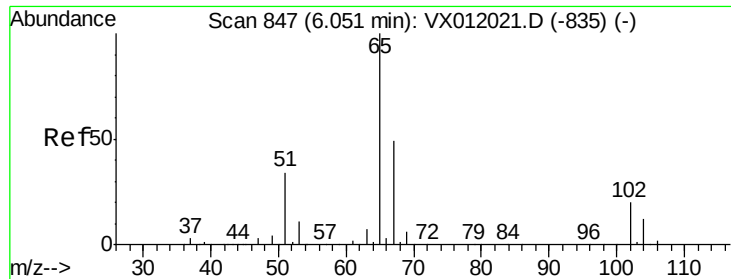
Tgt Ion: 77 Resp: 6383
 Ion Ratio Lower Upper
 77 100
 97 0.0 11.5 34.5#



#31
 Cyclohexane
 Concen: 1.722 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. 0.09 min
 Lab File: VX012098.D
 Acq: 05 Sep 2019 13:55

Tgt Ion: 56 Resp: 3793
 Ion Ratio Lower Upper
 56 100
 69 169.5 25.7 38.5#
 84 99.3 70.3 105.5

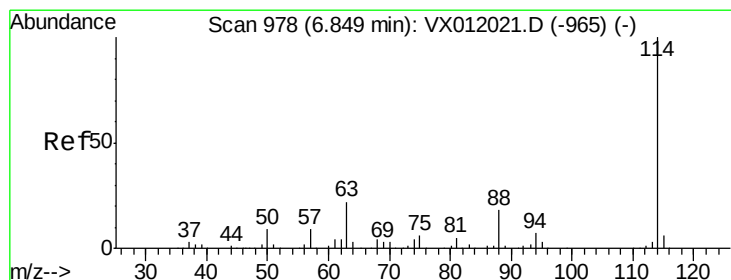
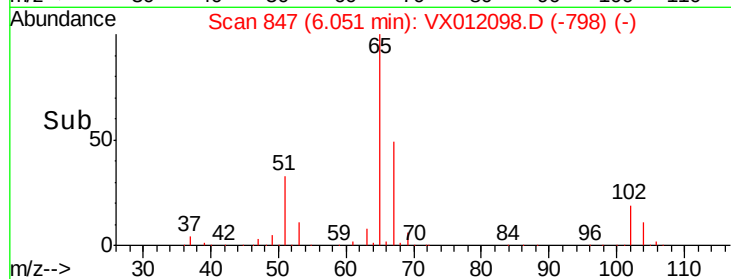
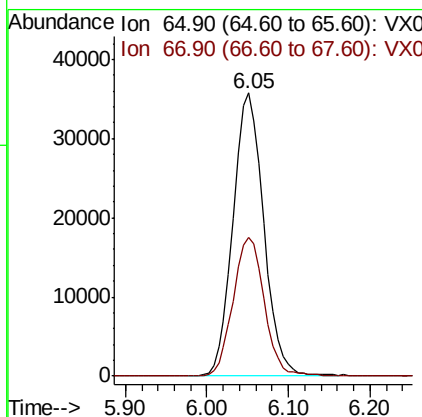
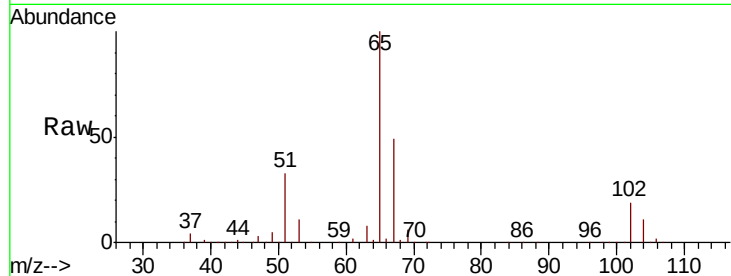




#33
 1,2-Dichloroethane-d4
 Concen: 51.931 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. -0.00 min
 Lab File: VX012098.D
 Acq: 05 Sep 2019 13:55

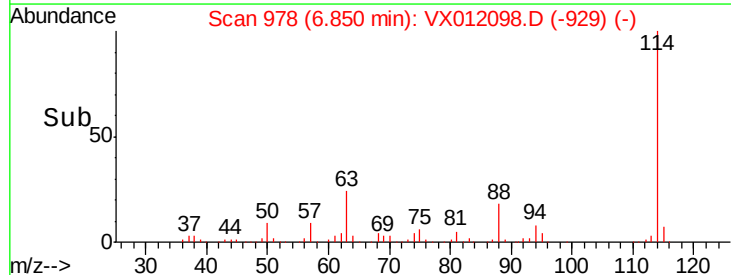
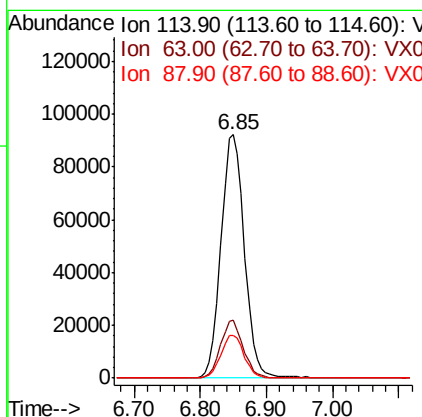
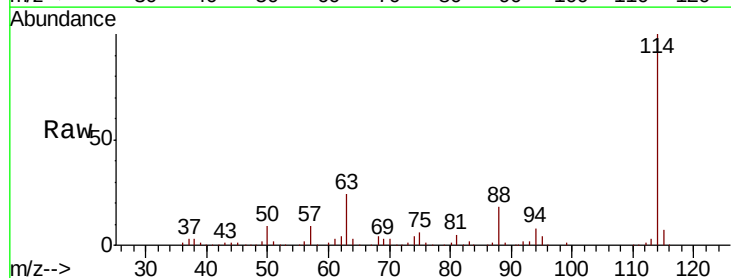
Instrument :
 MSVOA_X
 ClientSampleId :
 SB-4

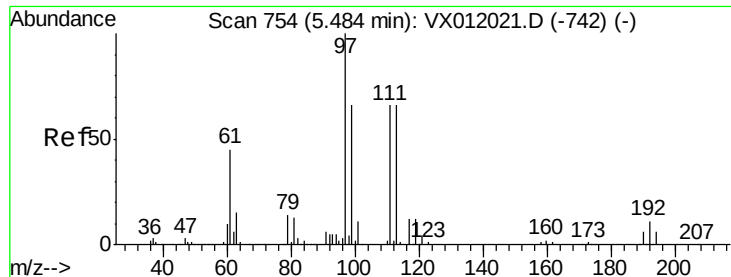
Tgt Ion: 65 Resp: 93290
 Ion Ratio Lower Upper
 65 100
 67 49.8 0.0 102.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. -0.00 min
 Lab File: VX012098.D
 Acq: 05 Sep 2019 13:55

Tgt Ion: 114 Resp: 226390
 Ion Ratio Lower Upper
 114 100
 63 24.0 0.0 37.4
 88 17.7 0.0 29.6





#35

Dibromofluoromethane

Concen: 48.613 ug/l

RT: 5.48 min Scan# 754

Delta R.T. -0.00 min

Lab File: VX012098.D

Acq: 05 Sep 2019 13:55

Instrument :

MSVOA_X

ClientSampleId :

SB-4

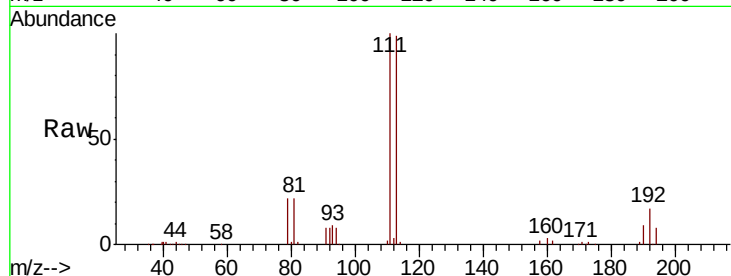
Tgt Ion:113 Resp: 67681

Ion Ratio Lower Upper

113 100

111 101.8 81.7 122.5

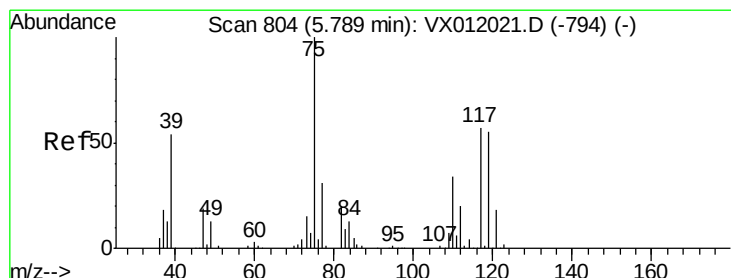
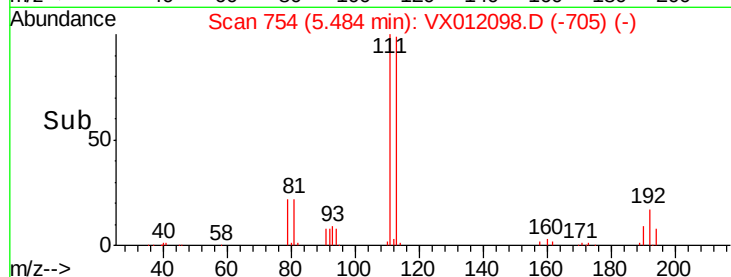
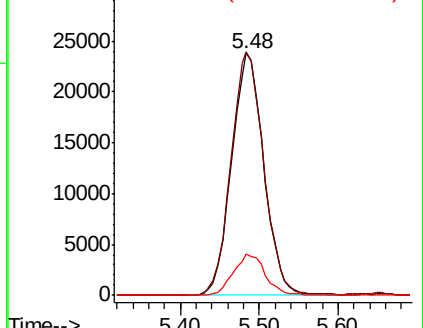
192 16.7 22.5 33.7#



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: 6.410 ug/l

RT: 5.64 min Scan# 780

Delta R.T. -0.15 min

Lab File: VX012098.D

Acq: 05 Sep 2019 13:55

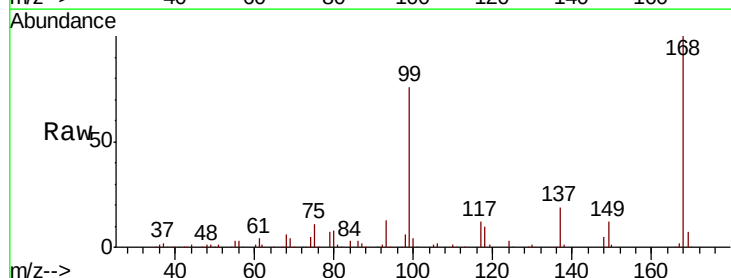
Tgt Ion: 75 Resp: 12782

Ion Ratio Lower Upper

75 100

110 10.4 19.5 58.5#

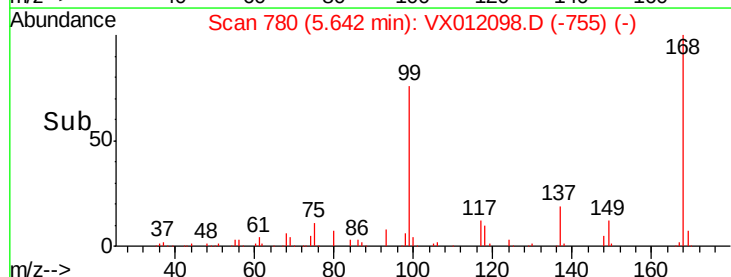
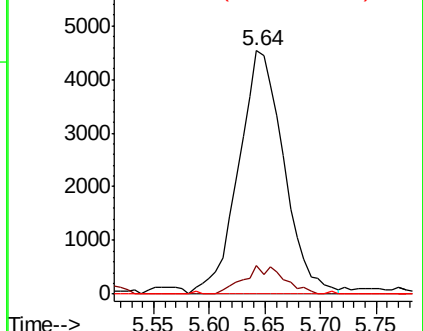
77 0.0 24.6 37.0#

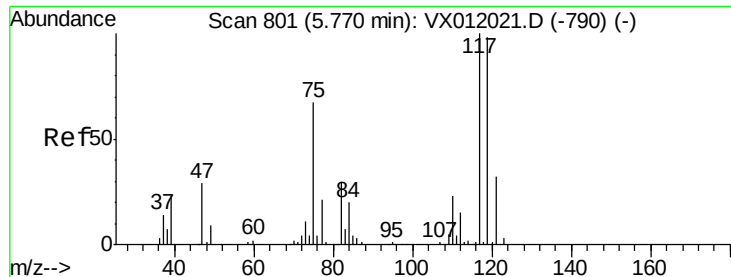


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 7.400 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.12 min

Lab File: VX012098.D

Acq: 05 Sep 2019 13:55

Instrument :

MSVOA_X

ClientSampleId :

SB-4

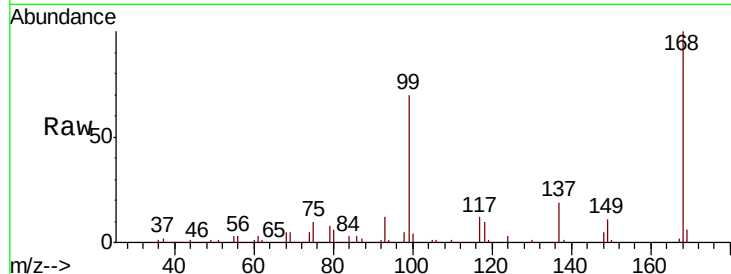
Tgt Ion:117 Resp: 15547

Ion Ratio Lower Upper

117 100

119 4.7 78.3 117.5#

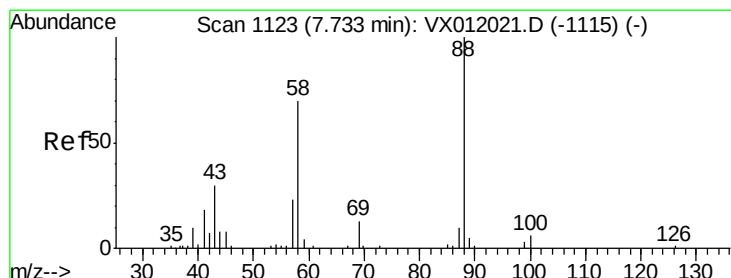
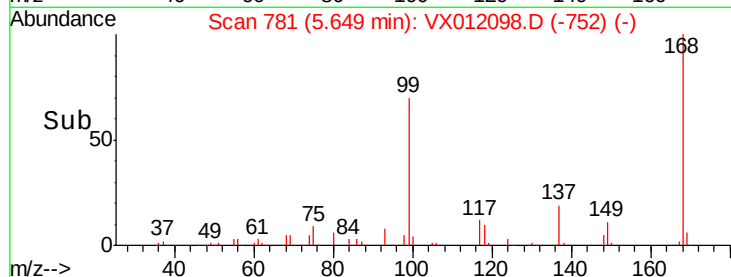
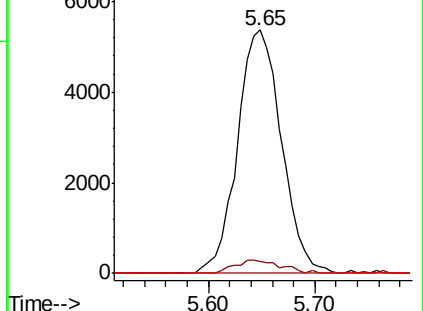
121 0.0 24.2 36.2#



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



#49

1,4-Dioxane

Concen: 1.522 ug/l

RT: 7.71 min Scan# 1119

Delta R.T. -0.02 min

Lab File: VX012098.D

Acq: 05 Sep 2019 13:55

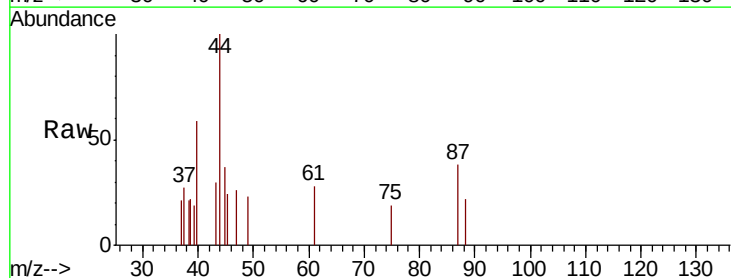
Tgt Ion: 88 Resp: 23

Ion Ratio Lower Upper

88 100

43 695.7 29.8 44.6#

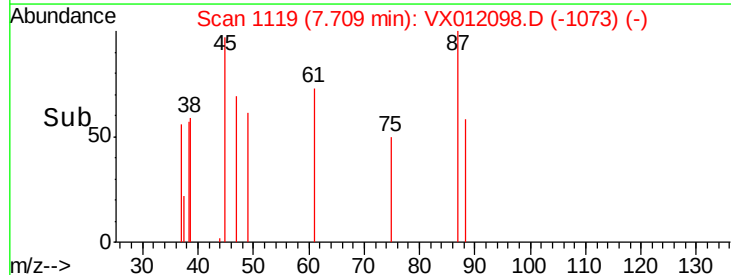
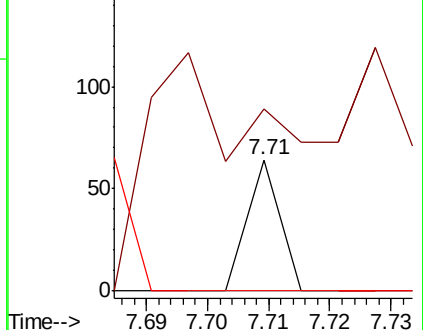
58 0.0 55.4 83.2#

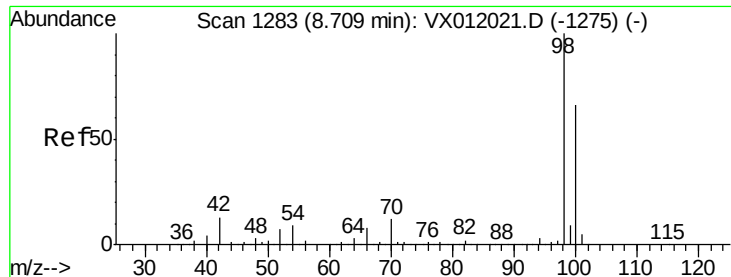


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

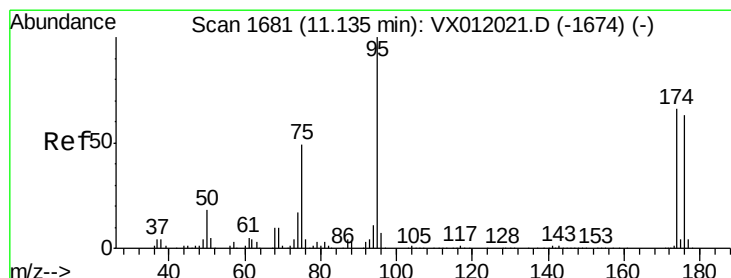
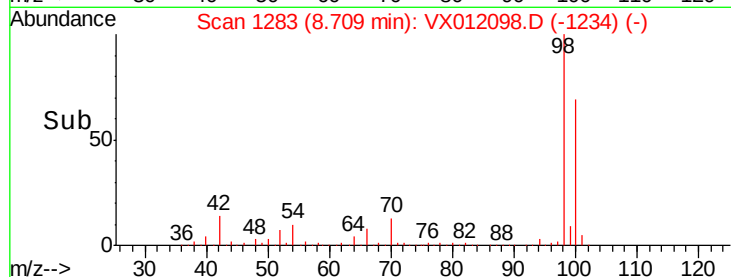
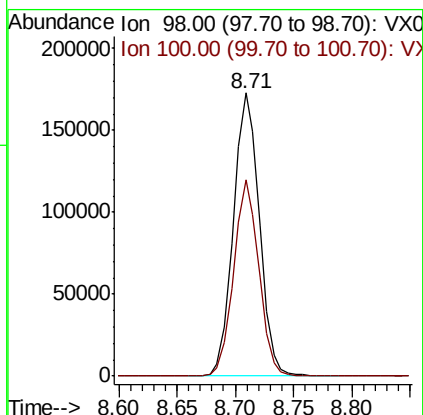
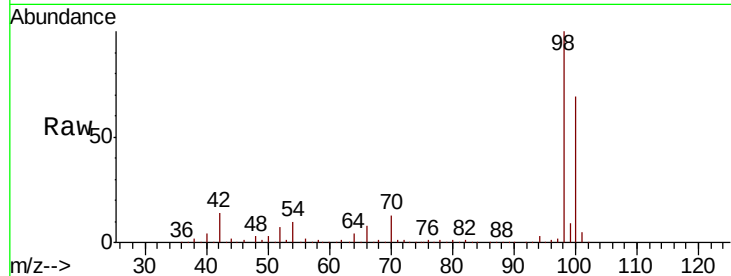




#50
Toluene-d8
Concen: 52.594 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX012098.D
Acq: 05 Sep 2019 13:55

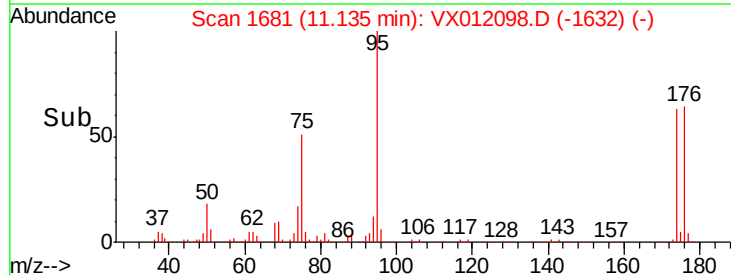
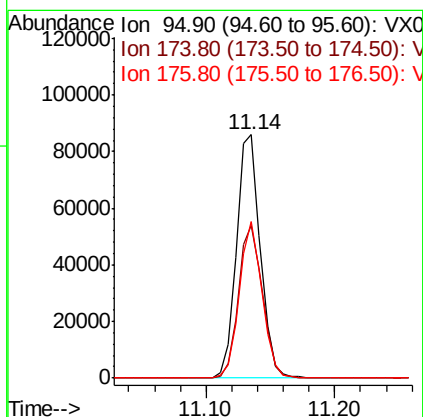
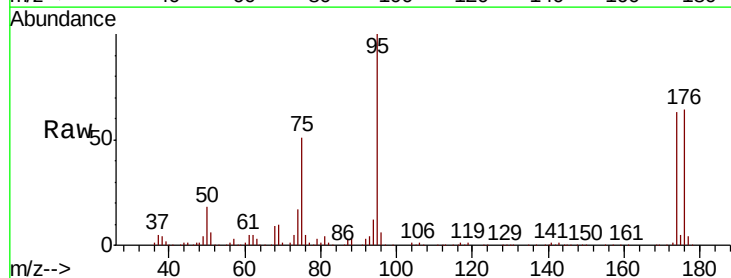
Instrument :
MSVOA_X
ClientSampleId :
SB-4

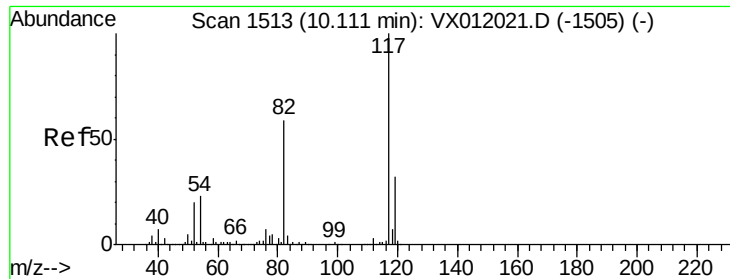
Tgt Ion: 98 Resp: 268693
Ion Ratio Lower Upper
98 100
100 67.2 53.3 79.9



#62
4-Bromofluorobenzene
Concen: 46.443 ug/l
RT: 11.14 min Scan# 1681
Delta R.T. -0.00 min
Lab File: VX012098.D
Acq: 05 Sep 2019 13:55

Tgt Ion: 95 Resp: 110344
Ion Ratio Lower Upper
95 100
174 63.1 0.0 205.4
176 61.4 0.0 201.8

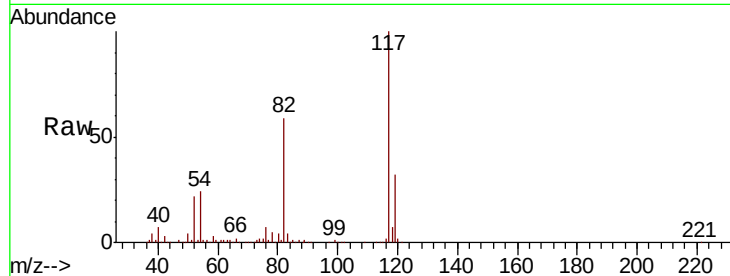




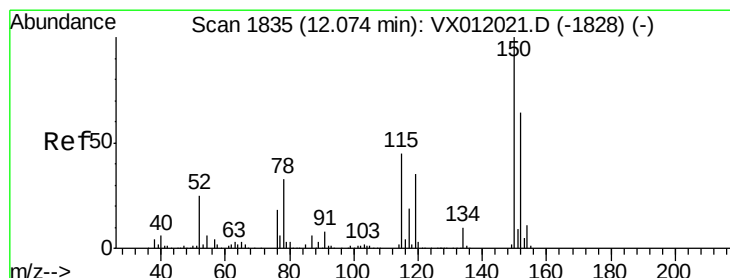
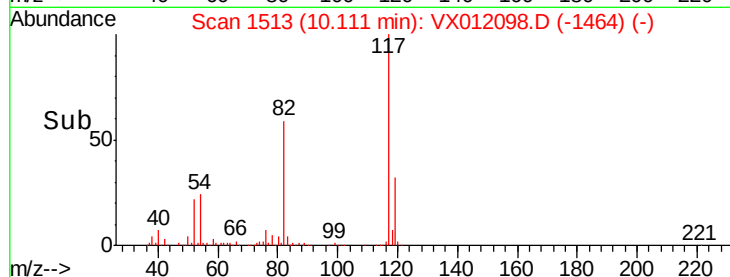
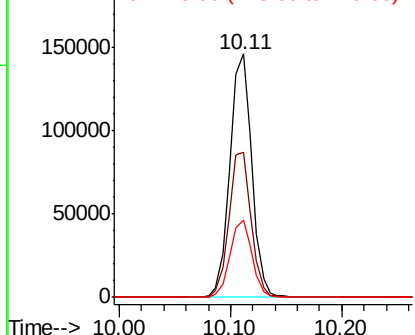
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX012098.D
Acq: 05 Sep 2019 13:55

Instrument :
MSVOA_X
ClientSampleId :
SB-4

Tgt Ion:117 Resp: 198889
Ion Ratio Lower Upper
117 100
82 59.5 39.4 59.0#
119 31.8 26.1 39.1

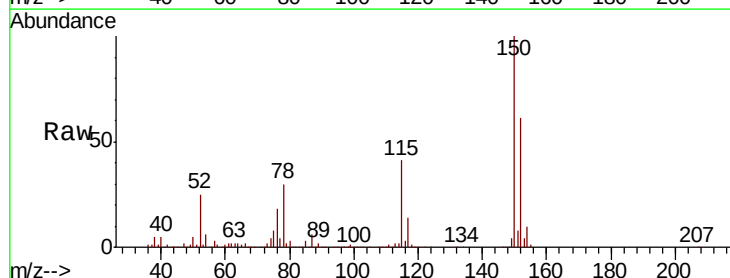


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

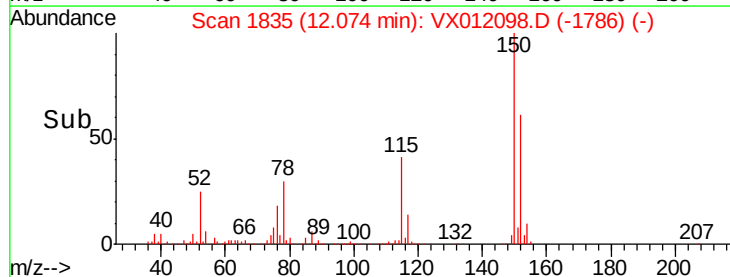
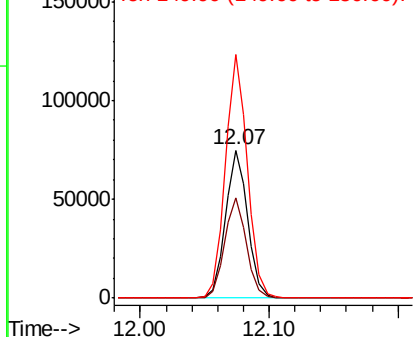


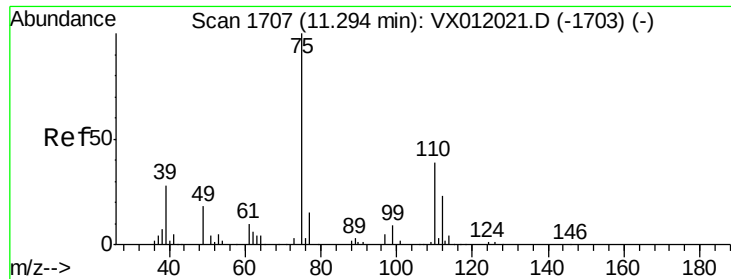
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX012098.D
Acq: 05 Sep 2019 13:55

Tgt Ion:152 Resp: 90539
Ion Ratio Lower Upper
152 100
115 67.1 36.4 109.3
150 163.6 0.0 341.2



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: 52.192 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.16 min

Lab File: VX012098.D

Acq: 05 Sep 2019 13:55

Instrument :

MSVOA_X

ClientSampleId :

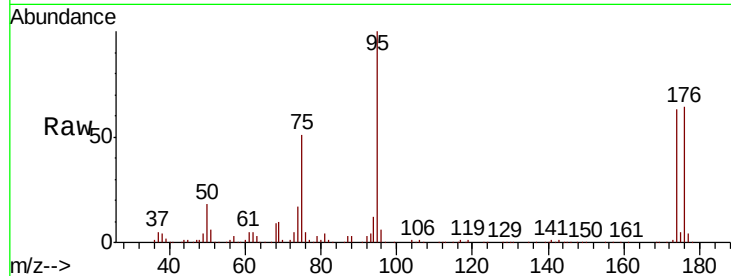
SB-4

Tgt Ion: 75 Resp: 57737

Ion Ratio Lower Upper

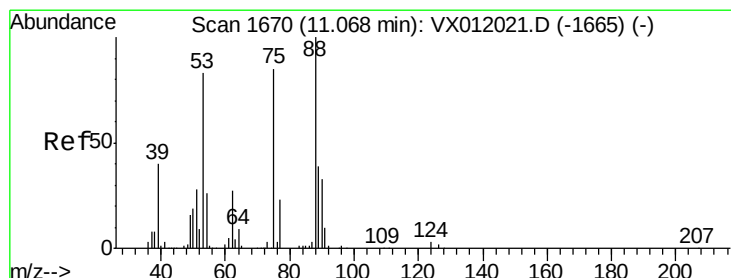
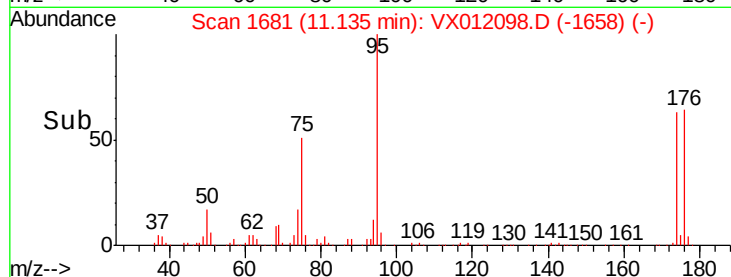
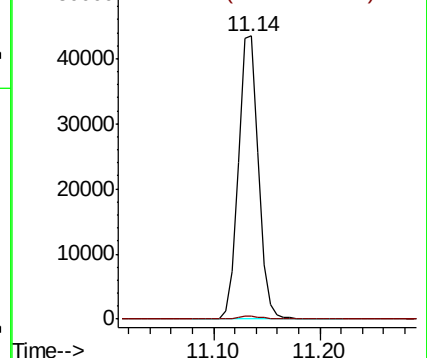
75 100

77 1.3 23.5 70.5#



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: 123.389 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.07 min

Lab File: VX012098.D

Acq: 05 Sep 2019 13:55

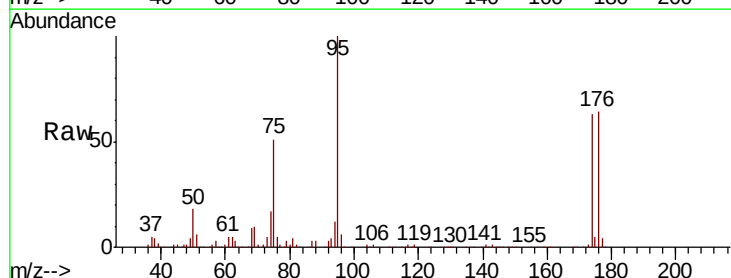
Tgt Ion: 75 Resp: 57737

Ion Ratio Lower Upper

75 100

53 0.2 78.6 117.8#

89 0.0 38.8 58.2#



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

