

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX090619\
 Data File : VX012156.D
 Acq On : 06 Sep 2019 18:56
 Operator : SY/SP
 Sample : K4601-13
 Misc : 5.42g/5.0mL/MSVOA_X/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 T12-F3-(0)

Quant Time: Sep 07 01:16:28 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	150549	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	263400	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	213070	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	74052	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	105130	50.61	ug/l	0.00
Spiked Amount			Recovery	=	101.22%	
35) Dibromofluoromethane	5.48	113	80178	49.50	ug/l	0.00
Spiked Amount			Recovery	=	99.00%	
50) Toluene-d8	8.71	98	303191	51.01	ug/l	0.00
Spiked Amount			Recovery	=	102.02%	
62) 4-Bromofluorobenzene	11.13	95	106503	38.53	ug/l	0.00
Spiked Amount			Recovery	=	77.06%	

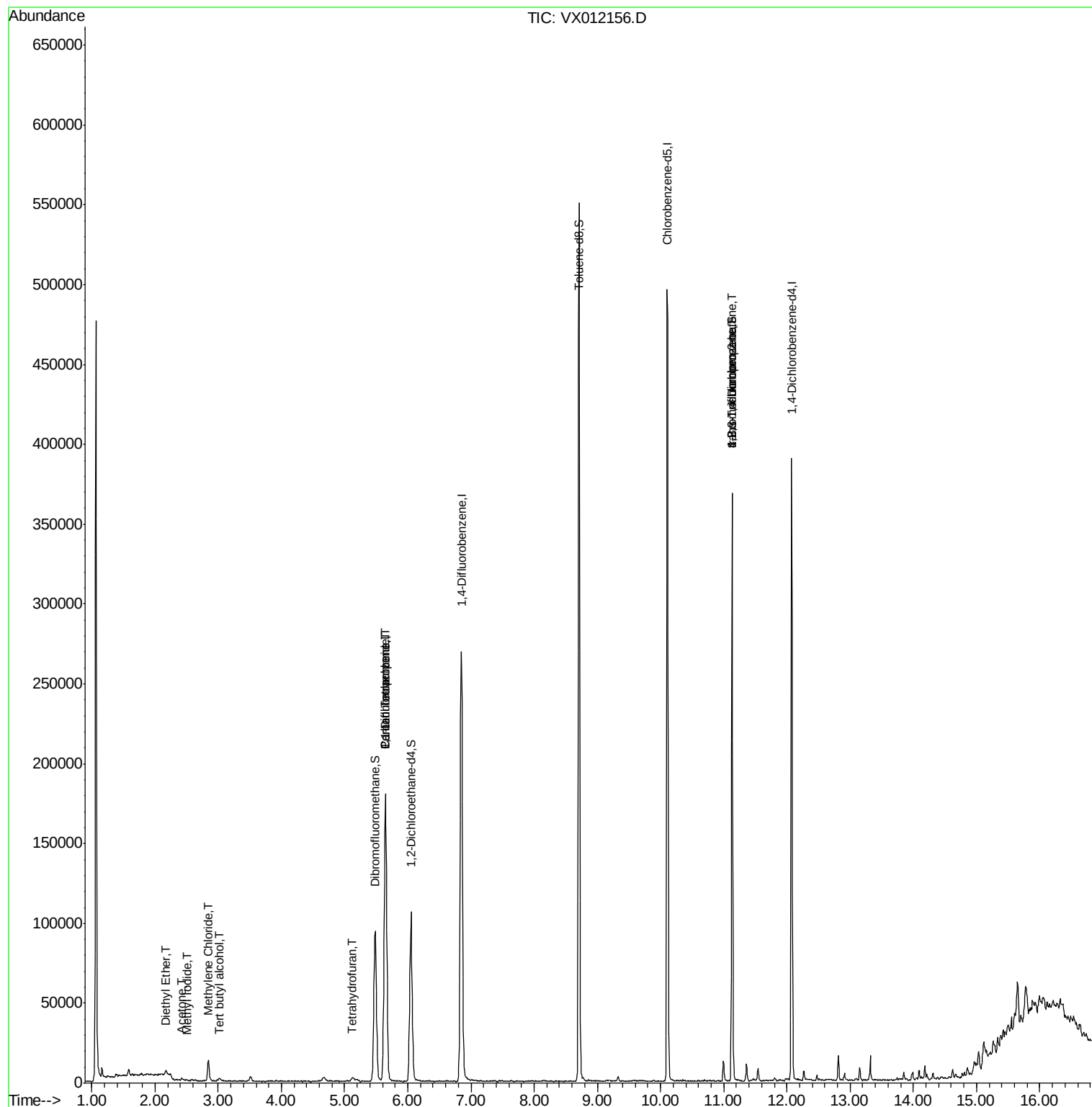
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	2.17	74	1073	1.494	ug/l	88
10) Methyl Iodide	2.51	142	56	7.019	ug/l #	40
11) Tert butyl alcohol	3.02	59	1801	9.027	ug/l #	80
13) Acrolein	2.30	56	21	Below Cal	#	12
16) Acetone	2.42	43	1581	3.184	ug/l	92
20) Methylene Chloride	2.84	84	5880	2.949	ug/l	88
29) Tetrahydrofuran	5.13	42	2675	7.025	ug/l #	83
36) 1,1-Dichloropropene	5.64	75	14032	6.049	ug/l #	50
38) Carbon Tetrachloride	5.65	117	17757	7.264	ug/l #	15
76) 1,2,3-Trichloropropane	11.13	75	56061	61.959	ug/l #	31
81) trans-1,4-Dichloro-2-buten	11.13	75	56061	146.482	ug/l #	10

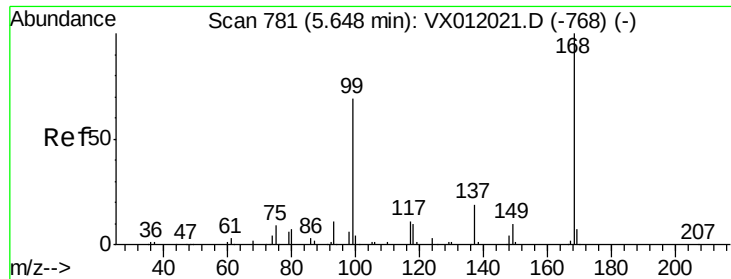
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX090619\
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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: VX012156.D

Acq: 06 Sep 2019 18:56

Instrument :

MSVOA_X

ClientSampleId :

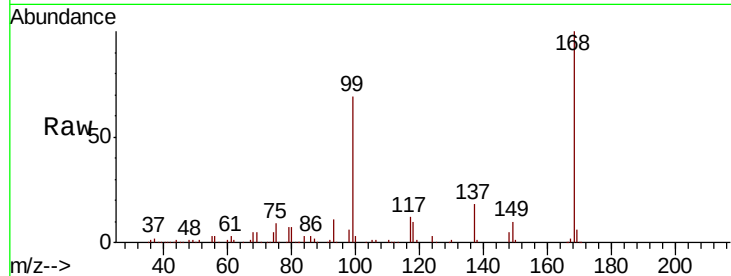
T12-F3-(0)

Tgt Ion:168 Resp: 150549

Ion Ratio Lower Upper

168 100

99 69.2 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

60000

50000

40000

30000

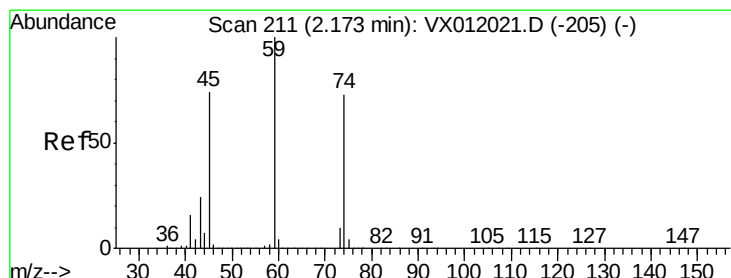
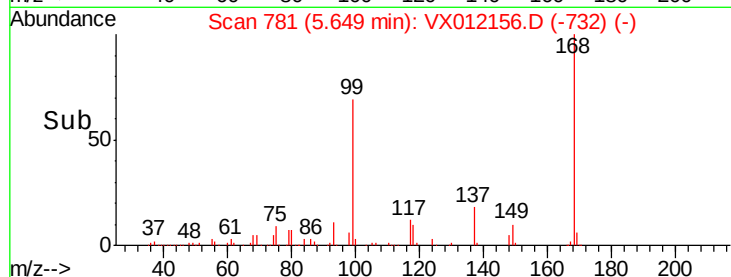
20000

10000

0

Time-->

5.50 5.60 5.70 5.80



#8

Diethyl Ether

Concen: 1.494 ug/l

RT: 2.17 min Scan# 211

Delta R.T. -0.00 min

Lab File: VX012156.D

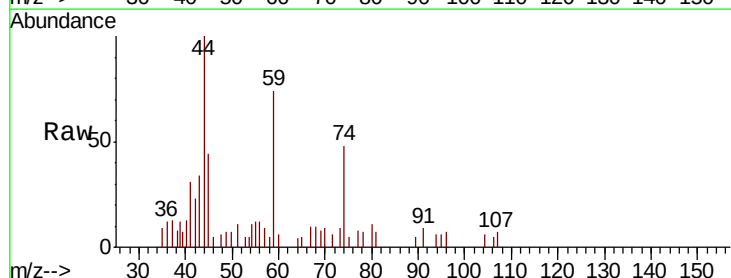
Acq: 06 Sep 2019 18:56

Tgt Ion: 74 Resp: 1073

Ion Ratio Lower Upper

74 100

45 80.7 45.9 137.6



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0

2.17

600

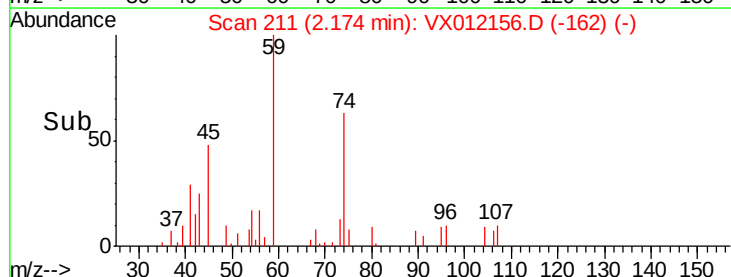
400

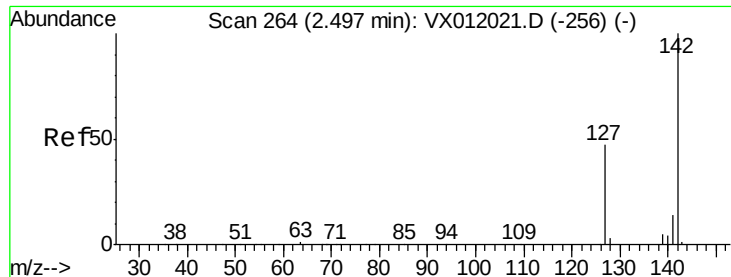
200

0

Time-->

2.10 2.15 2.20

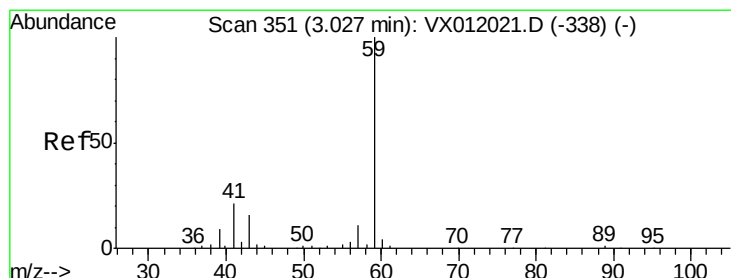
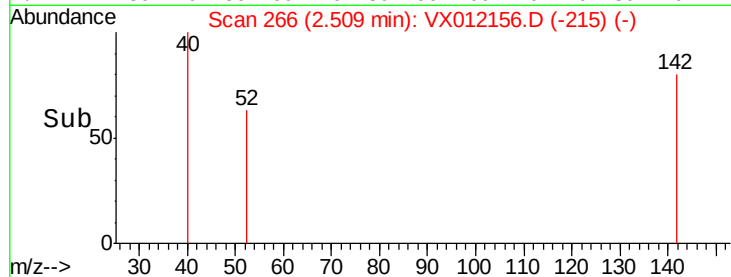
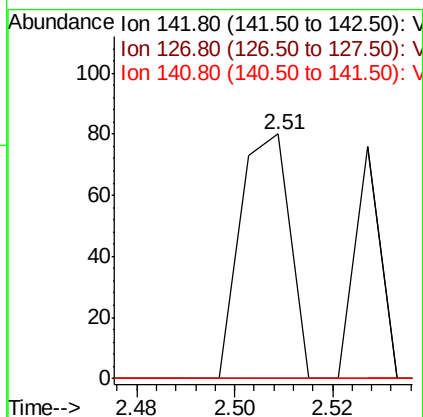
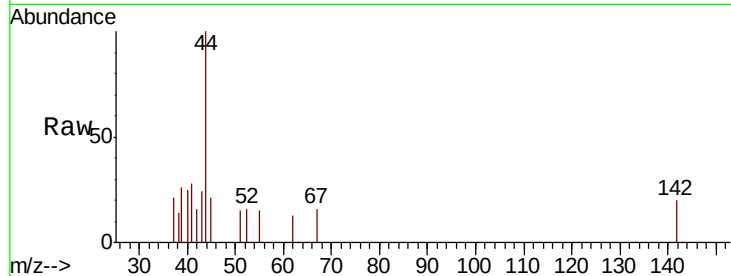




#10
Methyl Iodide
Concen: 7.019 ug/l
RT: 2.51 min Scan# 266
Delta R.T. 0.01 min
Lab File: VX012156.D
Acq: 06 Sep 2019 18:56

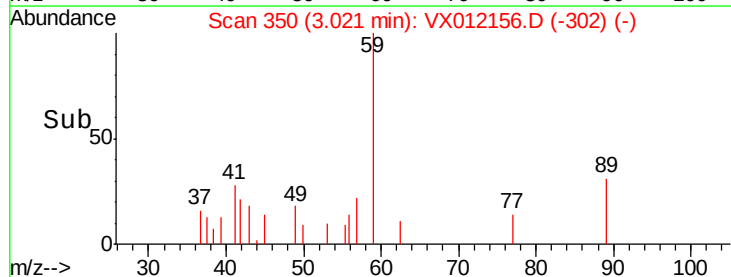
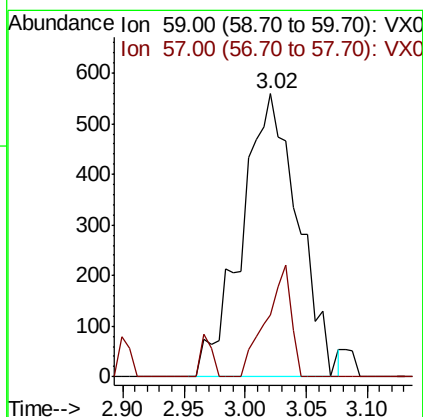
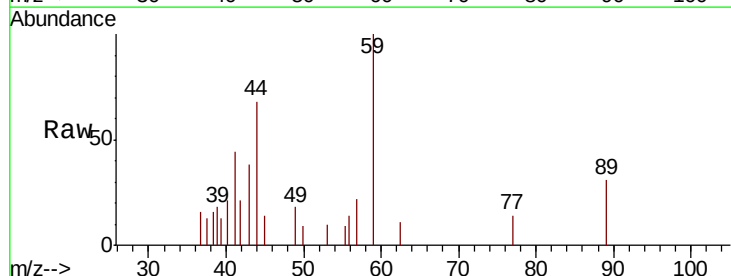
Instrument :
MSVOA_X
ClientSampled :
T12-F3-(0)

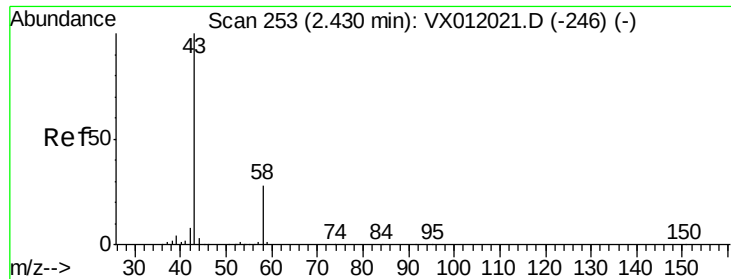
Tgt Ion: 142 Resp: 56
Ion Ratio Lower Upper
142 100
127 0.0 35.4 53.2#
141 0.0 11.4 17.2#



#11
Tert butyl alcohol
Concen: 9.027 ug/l
RT: 3.02 min Scan# 350
Delta R.T. -0.01 min
Lab File: VX012156.D
Acq: 06 Sep 2019 18:56

Tgt Ion: 59 Resp: 1801
Ion Ratio Lower Upper
59 100
57 17.2 7.9 11.9#





#16

Acetone

Concen: 3.184 ug/l

RT: 2.42 min Scan# 252

Delta R.T. -0.01 min

Lab File: VX012156.D

Acq: 06 Sep 2019 18:56

Instrument :

MSVOA_X

ClientSampled :

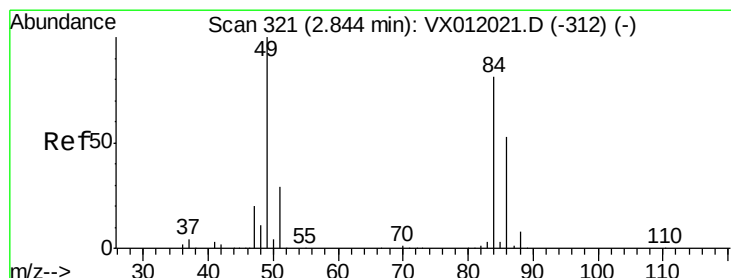
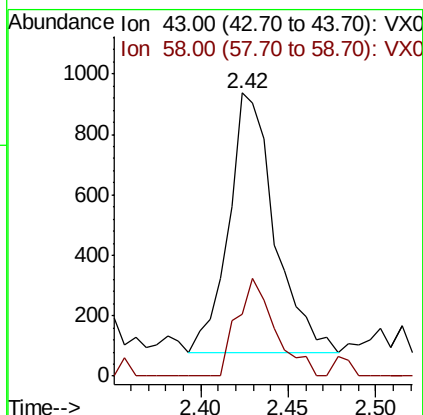
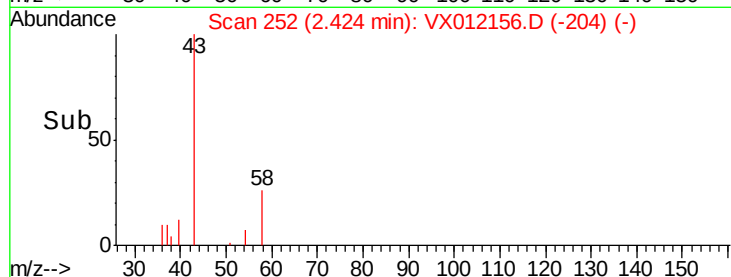
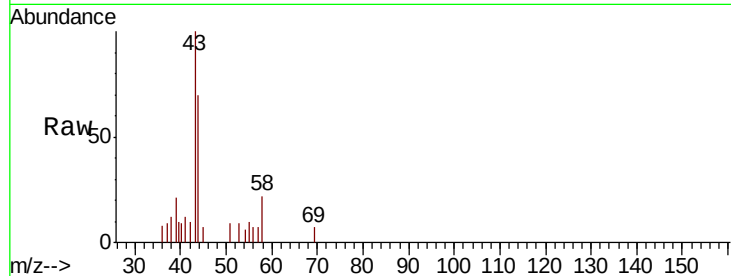
T12-F3-(0)

Tgt Ion: 43 Resp: 1581

Ion Ratio Lower Upper

43 100

58 24.0 22.8 34.2



#20

Methylene Chloride

Concen: 2.949 ug/l

RT: 2.84 min Scan# 321

Delta R.T. -0.00 min

Lab File: VX012156.D

Acq: 06 Sep 2019 18:56

Tgt Ion: 84 Resp: 5880

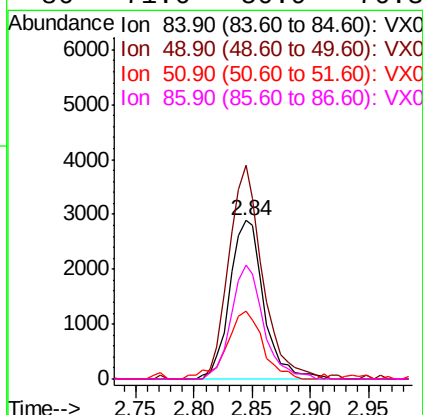
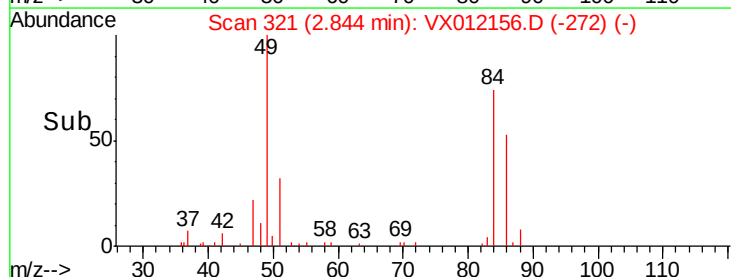
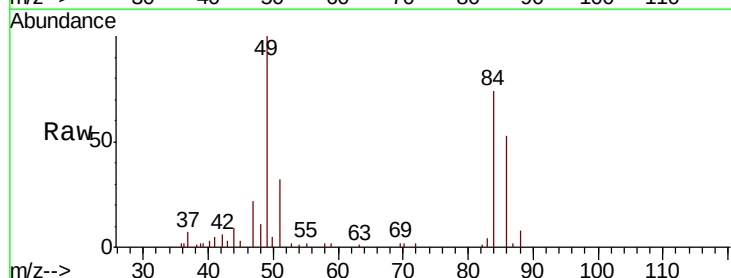
Ion Ratio Lower Upper

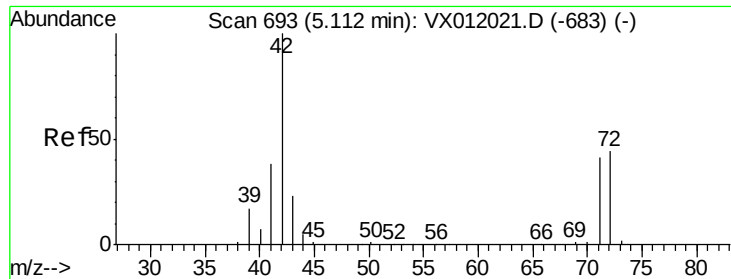
84 100

49 134.9 95.8 143.8

51 42.7 28.6 43.0

86 71.6 50.9 76.3

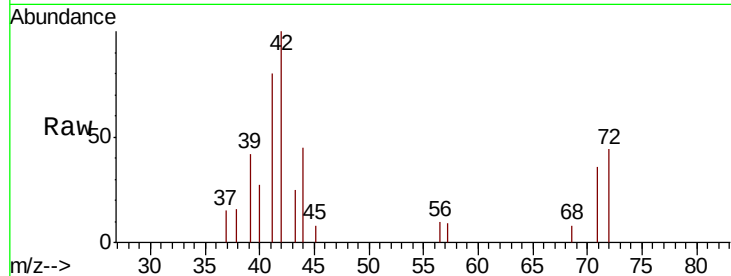




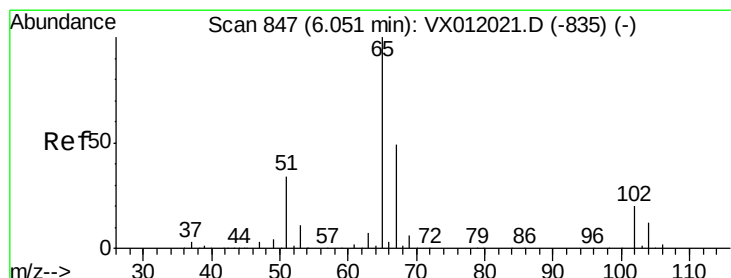
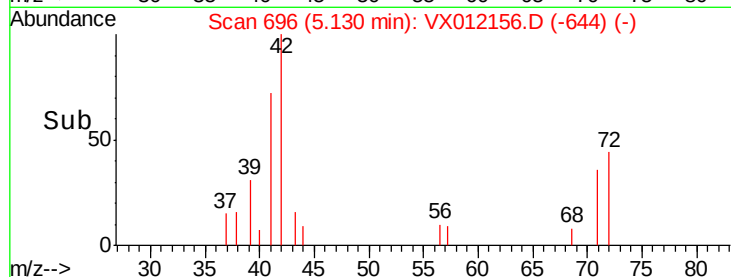
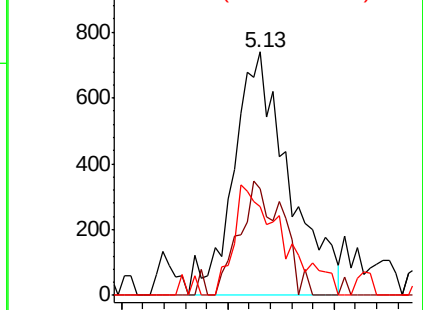
#29
Tetrahydrofuran
Concen: 7.025 ug/l
RT: 5.13 min Scan# 696
Delta R.T. 0.02 min
Lab File: VX012156.D
Acq: 06 Sep 2019 18:56

Instrument :
MSVOA_X
ClientSampleId :
T12-F3-(0)

Tgt Ion: 42 Resp: 2675
Ion Ratio Lower Upper
42 100
72 25.9 37.0 55.4#
71 41.0 33.8 50.8

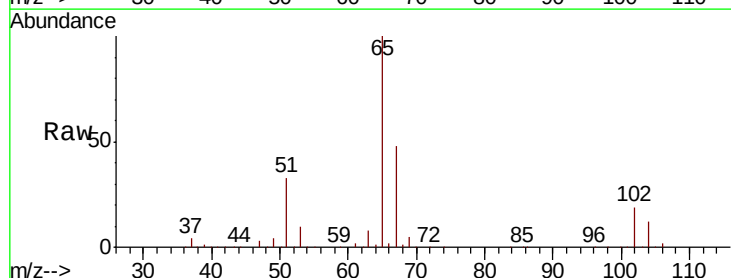


Abundance Ion 42.00 (41.70 to 42.70): VX0
Ion 72.00 (71.70 to 72.70): VX0
Ion 71.00 (70.70 to 71.70): VX0

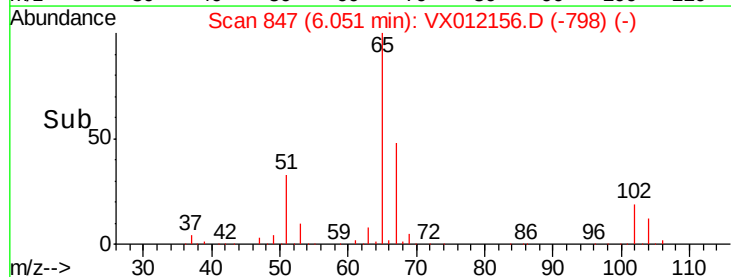
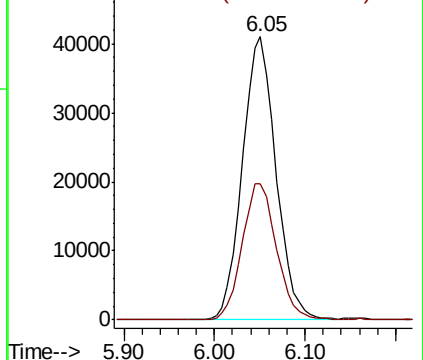


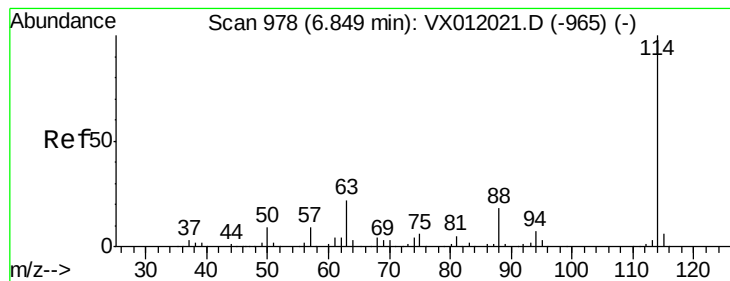
#33
1,2-Dichloroethane-d4
Concen: 50.610 ug/l
RT: 6.05 min Scan# 847
Delta R.T. -0.00 min
Lab File: VX012156.D
Acq: 06 Sep 2019 18:56

Tgt Ion: 65 Resp: 105130
Ion Ratio Lower Upper
65 100
67 49.5 0.0 102.0



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: 6.84 min Scan# 977

Delta R.T. -0.01 min

Lab File: VX012156.D

Acq: 06 Sep 2019 18:56

Instrument :

MSVOA_X

ClientSampleId :

T12-F3-(0)

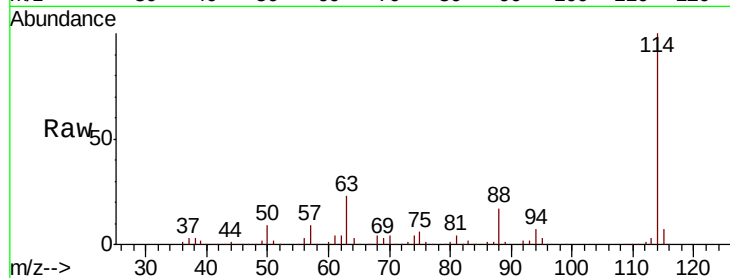
Tgt Ion:114 Resp: 263400

Ion Ratio Lower Upper

114 100

63 22.9 0.0 37.4

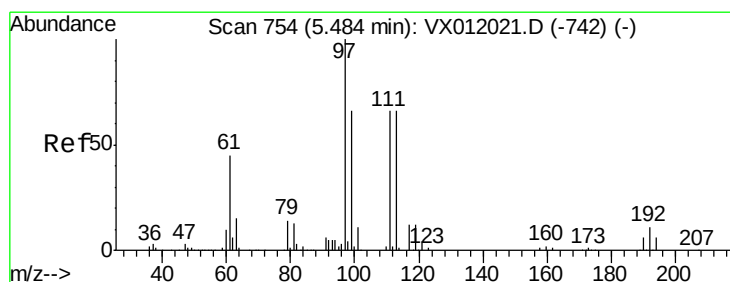
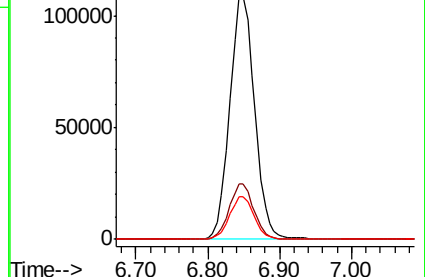
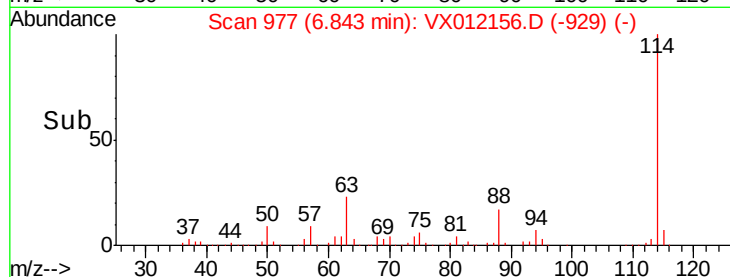
88 17.4 0.0 29.6



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: 49.498 ug/l

RT: 5.48 min Scan# 754

Delta R.T. -0.00 min

Lab File: VX012156.D

Acq: 06 Sep 2019 18:56

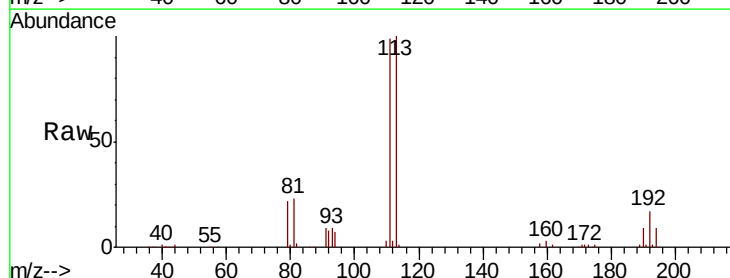
Tgt Ion:113 Resp: 80178

Ion Ratio Lower Upper

113 100

111 101.5 81.7 122.5

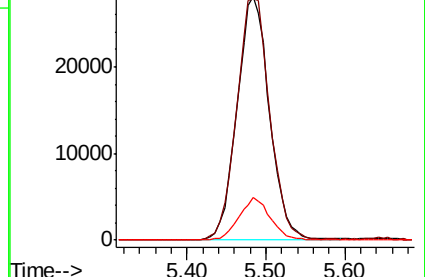
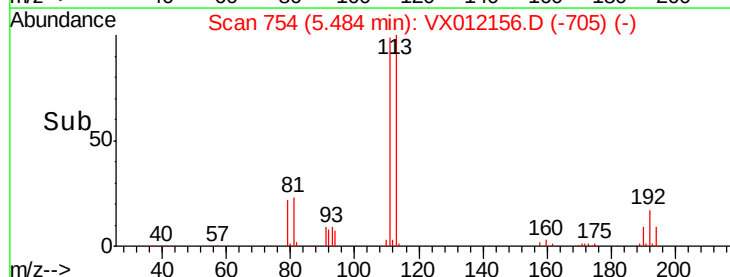
192 16.8 22.5 33.7#

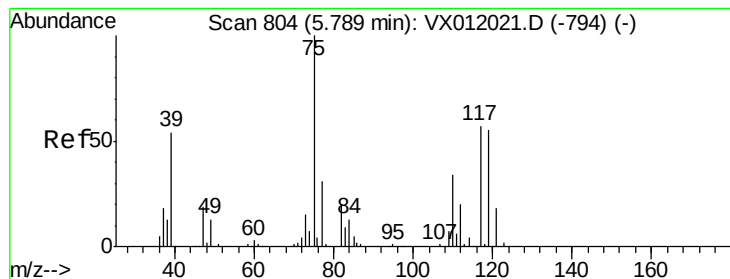


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 6.049 ug/l

RT: 5.64 min Scan# 780

Delta R.T. -0.15 min

Lab File: VX012156.D

Acq: 06 Sep 2019 18:56

Instrument :

MSVOA_X

ClientSampleId :

T12-F3-(0)

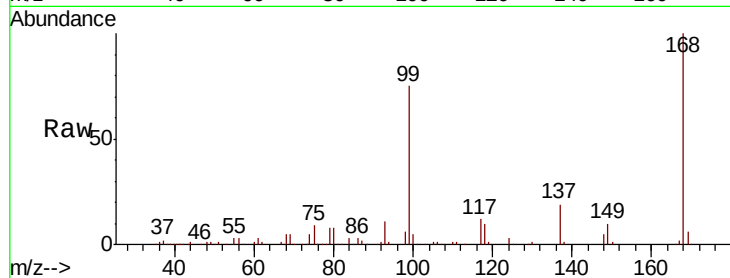
Tgt Ion: 75 Resp: 14032

Ion Ratio Lower Upper

75 100

110 10.5 19.5 58.5#

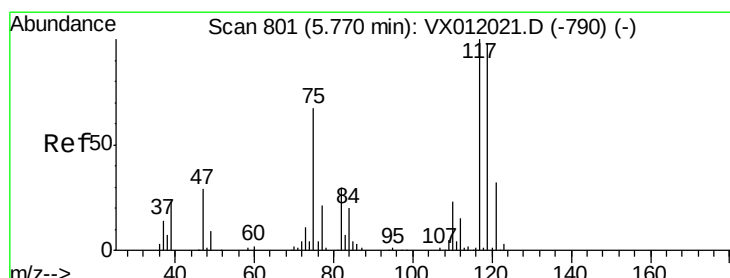
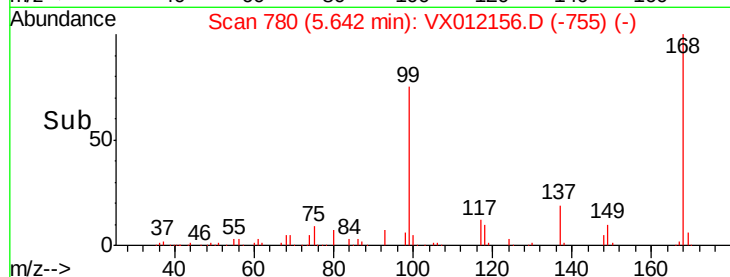
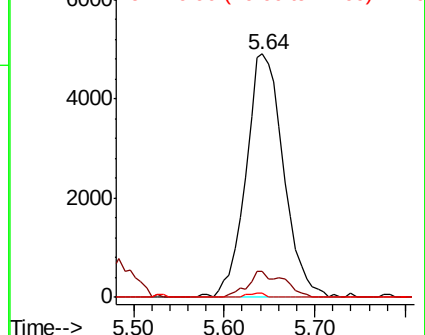
77 0.8 24.6 37.0#



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: 7.264 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.12 min

Lab File: VX012156.D

Acq: 06 Sep 2019 18:56

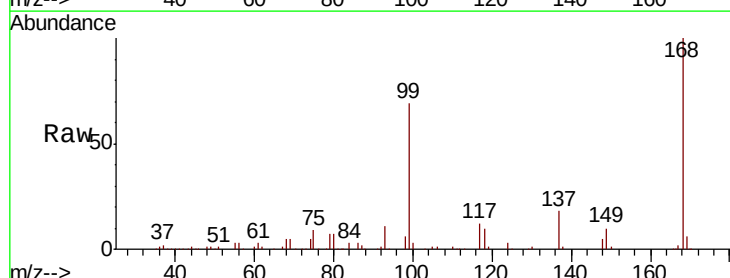
Tgt Ion: 117 Resp: 17757

Ion Ratio Lower Upper

117 100

119 4.4 78.3 117.5#

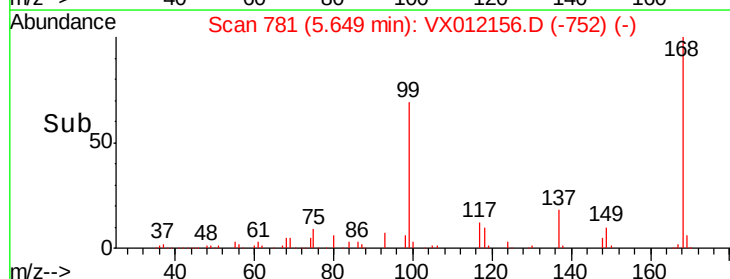
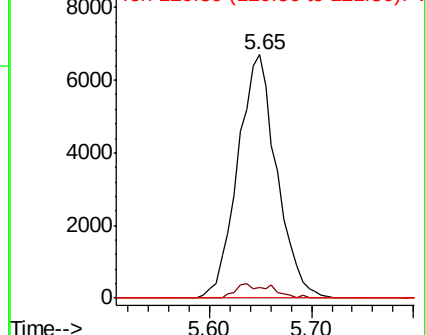
121 0.0 24.2 36.2#

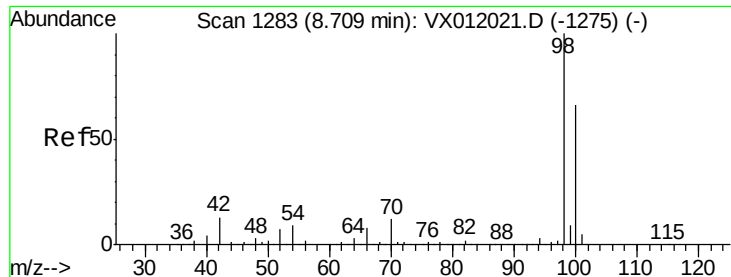


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

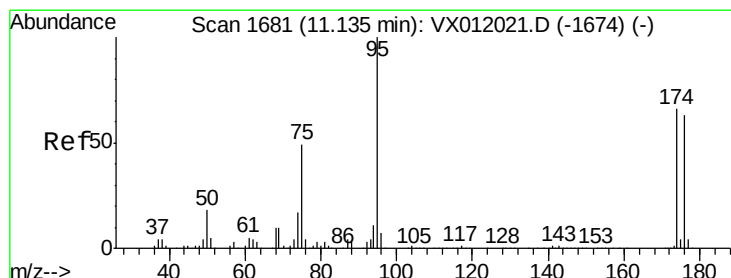
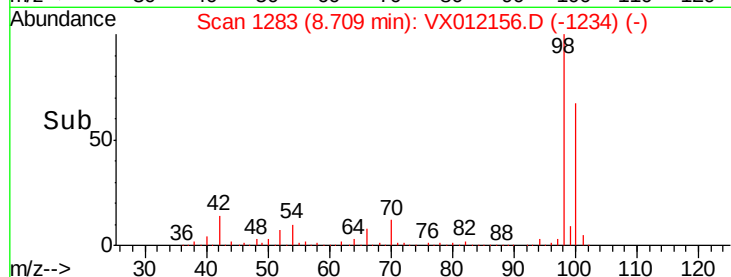
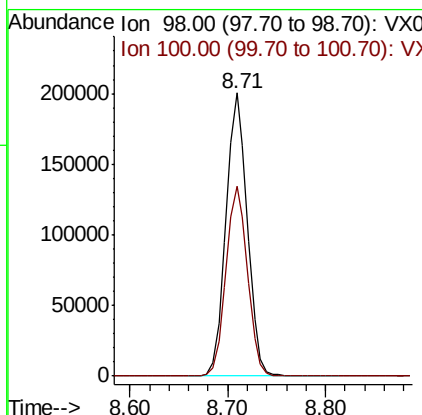
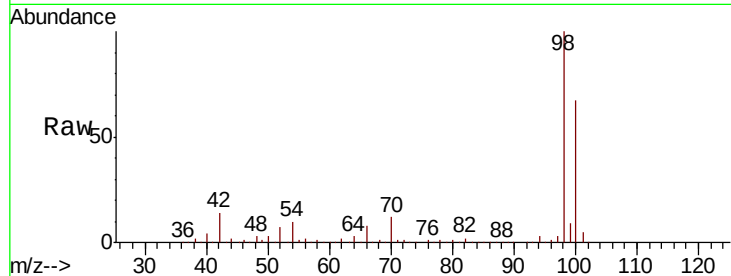




#50
Toluene-d8
Concen: 51.007 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX012156.D
Acq: 06 Sep 2019 18:56

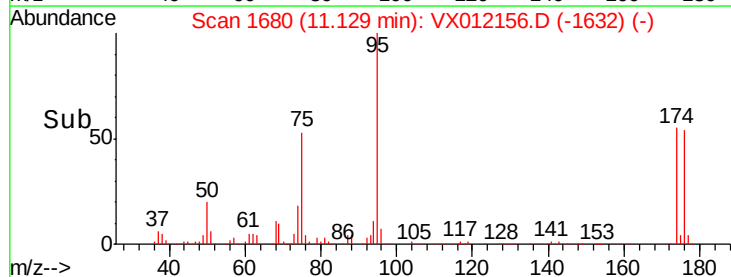
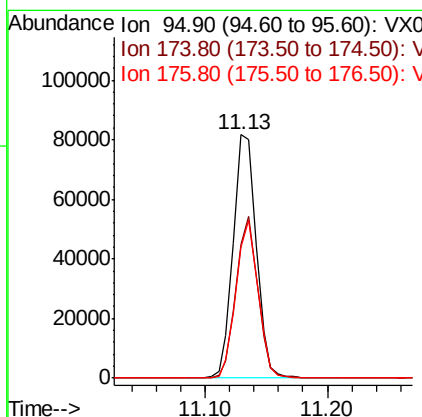
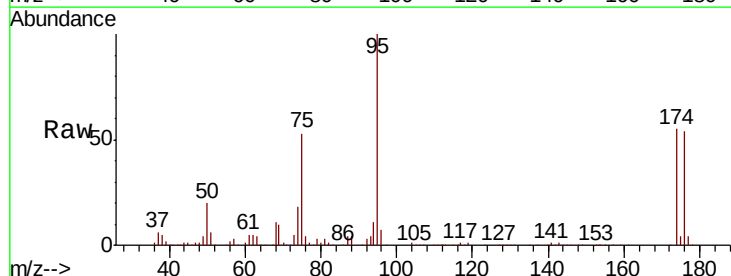
Instrument :
MSVOA_X
ClientSampleId :
T12-F3-(0)

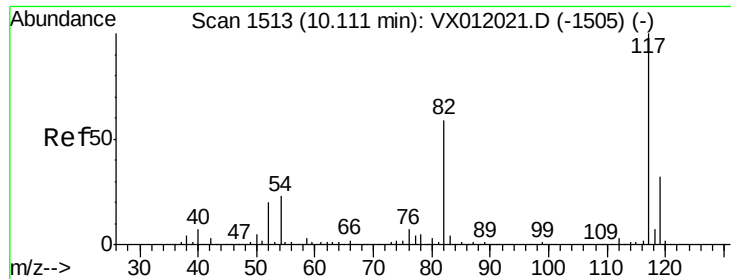
Tgt Ion: 98 Resp: 303191
Ion Ratio Lower Upper
98 100
100 67.5 53.3 79.9



#62
4-Bromofluorobenzene
Concen: 38.528 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. -0.01 min
Lab File: VX012156.D
Acq: 06 Sep 2019 18:56

Tgt Ion: 95 Resp: 106503
Ion Ratio Lower Upper
95 100
174 62.4 0.0 205.4
176 62.0 0.0 201.8

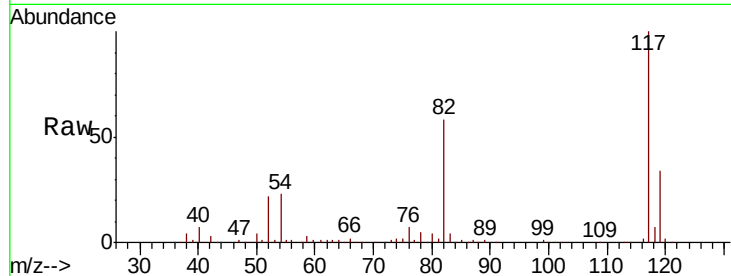




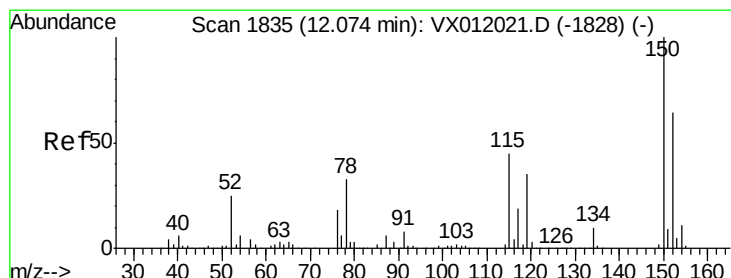
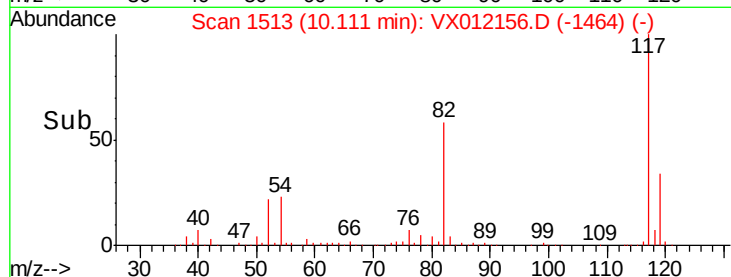
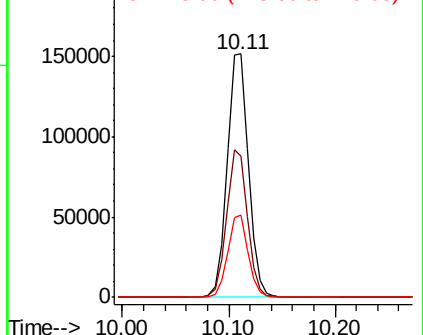
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX012156.D
Acq: 06 Sep 2019 18:56

Instrument :
MSVOA_X
ClientSampleId :
T12-F3-(0)

Tgt Ion:117 Resp: 213070
Ion Ratio Lower Upper
117 100
82 58.1 39.4 59.0
119 33.6 26.1 39.1

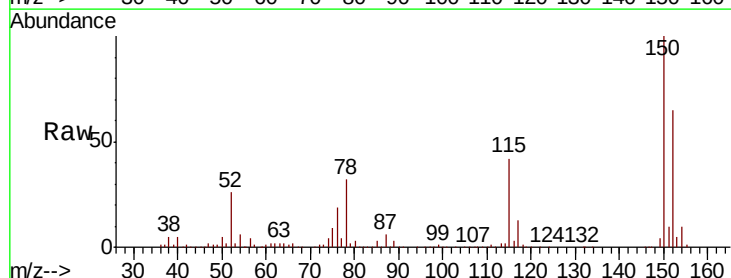


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

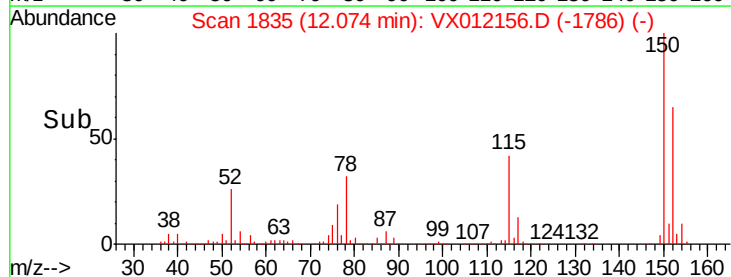
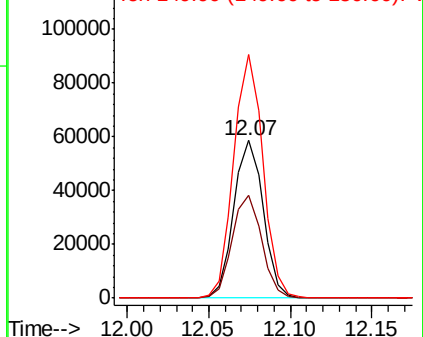


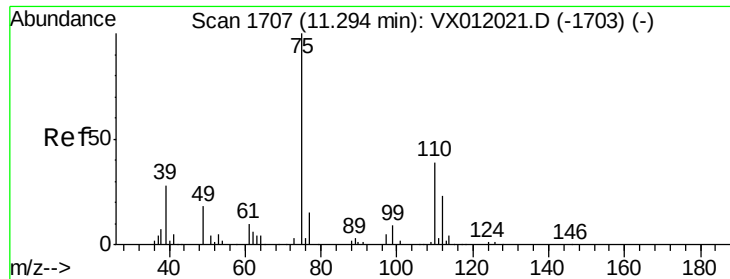
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX012156.D
Acq: 06 Sep 2019 18:56

Tgt Ion:152 Resp: 74052
Ion Ratio Lower Upper
152 100
115 65.5 36.4 109.3
150 153.4 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: 61.959 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX012156.D

Acq: 06 Sep 2019 18:56

Instrument :

MSVOA_X

ClientSampleId :

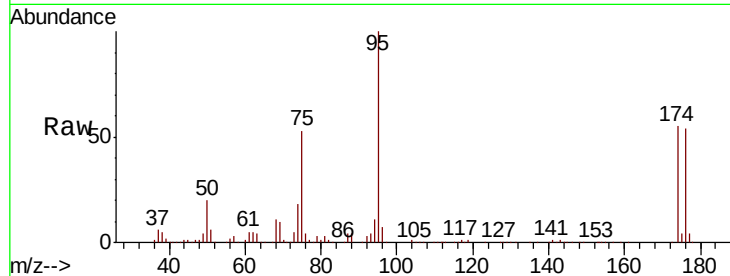
T12-F3-(0)

Tgt Ion: 75 Resp: 56061

Ion Ratio Lower Upper

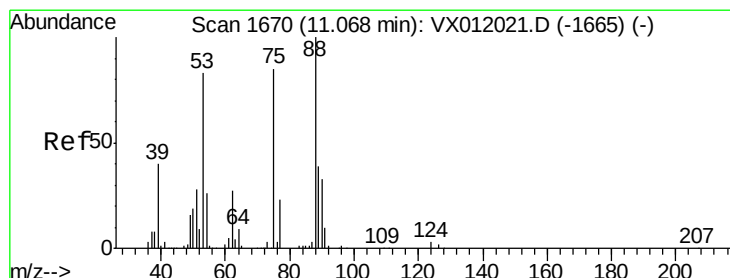
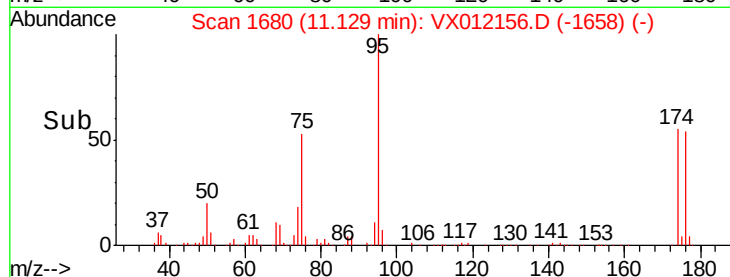
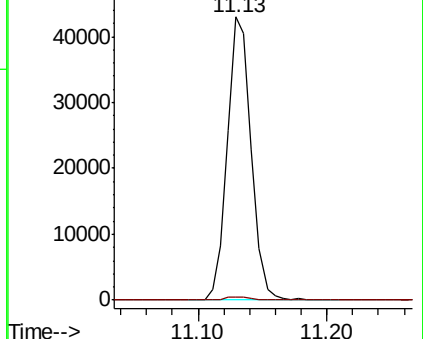
75 100

77 1.2 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: 146.482 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX012156.D

Acq: 06 Sep 2019 18:56

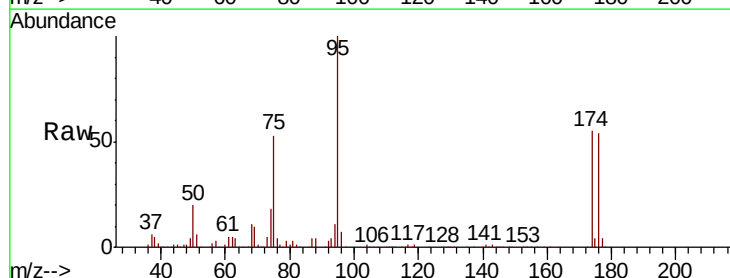
Tgt Ion: 75 Resp: 56061

Ion Ratio Lower Upper

75 100

53 0.0 78.6 117.8#

89 0.1 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

