

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX090619\
 Data File : VX012154.D
 Acq On : 06 Sep 2019 18:01
 Operator : SY/SP
 Sample : K4601-11
 Misc : 2.85g/5.0mL/MSVOA_X/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 T12-F1-(0)

Quant Time: Sep 07 01:16:08 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	147179	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	257844	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	218196	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	84934	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	103798	51.11	ug/l	0.00
Spiked Amount			Recovery	=	102.22%	
35) Dibromofluoromethane	5.48	113	77441	48.84	ug/l	0.00
Spiked Amount			Recovery	=	97.68%	
50) Toluene-d8	8.71	98	304533	52.34	ug/l	0.00
Spiked Amount			Recovery	=	104.68%	
62) 4-Bromofluorobenzene	11.14	95	113974	42.12	ug/l	0.00
Spiked Amount			Recovery	=	84.24%	

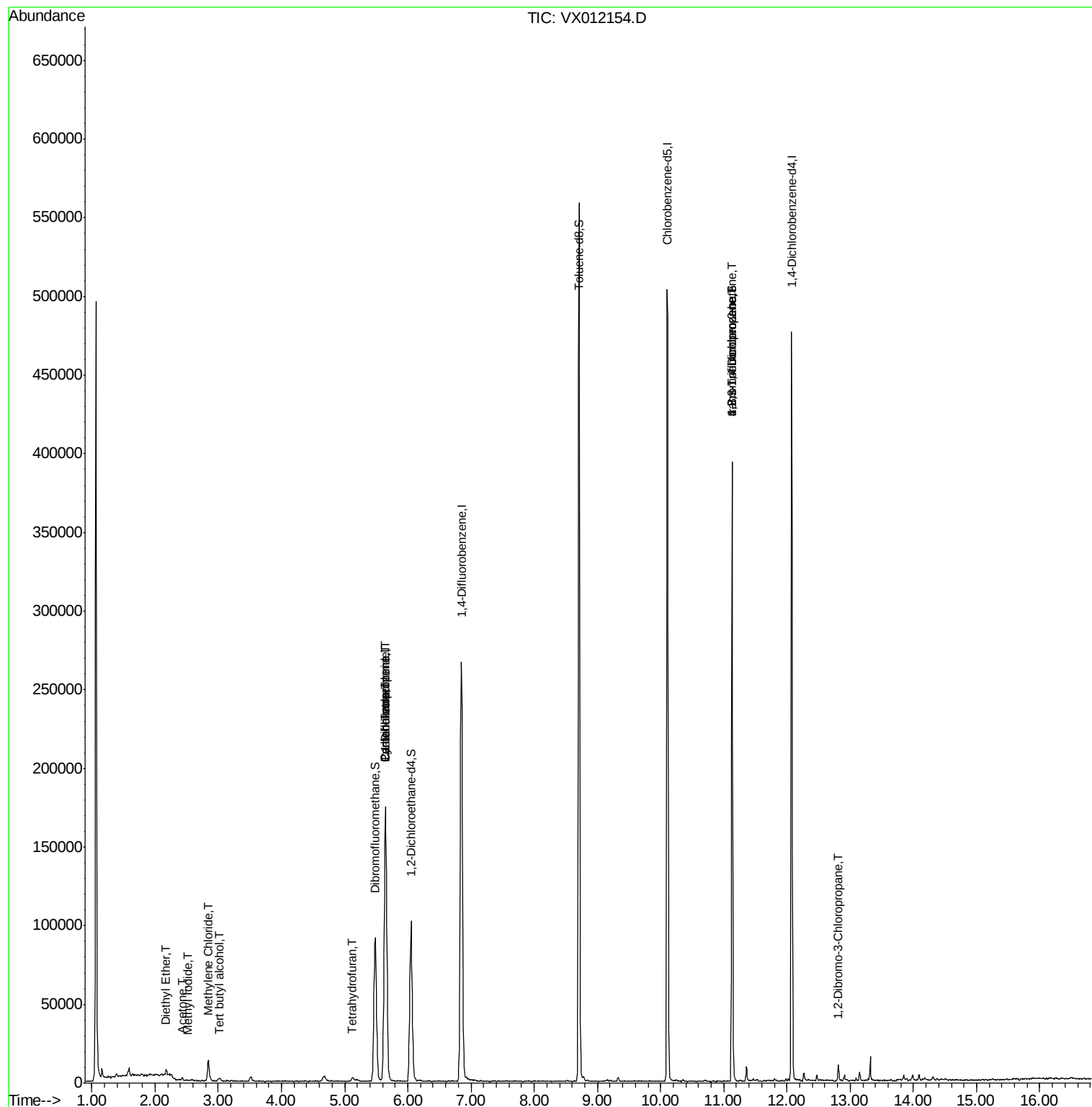
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	2.17	74	1128	1.607	ug/l	97
10) Methyl Iodide	2.53	142	21	7.000	ug/l #	40
11) Tert butyl alcohol	3.02	59	1923	9.859	ug/l #	73
13) Acrolein	2.26	56	218	Below Cal	#	72
16) Acetone	2.43	43	2143	4.415	ug/l	99
20) Methylene Chloride	2.84	84	6240	3.201	ug/l	90
29) Tetrahydrofuran	5.12	42	2294	6.162	ug/l #	91
31) Cyclohexane	5.64	56	4155	1.669	ug/l #	19
36) 1,1-Dichloropropene	5.64	75	13787	6.071	ug/l #	49
38) Carbon Tetrachloride	5.65	117	17588	7.350	ug/l #	15
76) 1,2,3-Trichloropropane	11.14	75	59829	57.652	ug/l #	31
81) trans-1,4-Dichloro-2-buten	11.14	75	59829	136.298	ug/l #	10
92) 1,2-Dibromo-3-Chloropropan	12.82	75	320	1.177	ug/l #	1

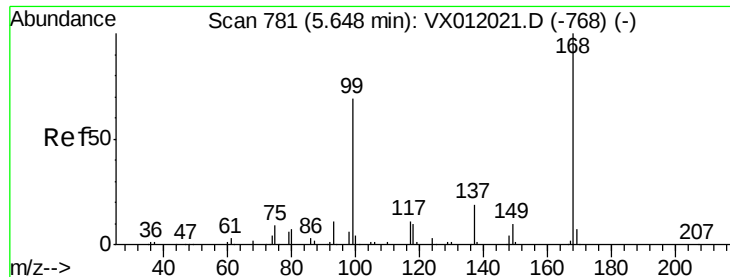
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX090619\
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T12-F1-(0)

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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.00 min

Lab File: VX012154.D

Acq: 06 Sep 2019 18:01

Instrument :

MSVOA_X

ClientSampleId :

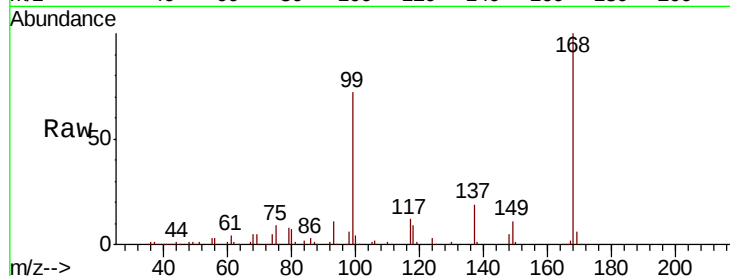
T12-F1-(0)

Tgt Ion:168 Resp: 147179

Ion Ratio Lower Upper

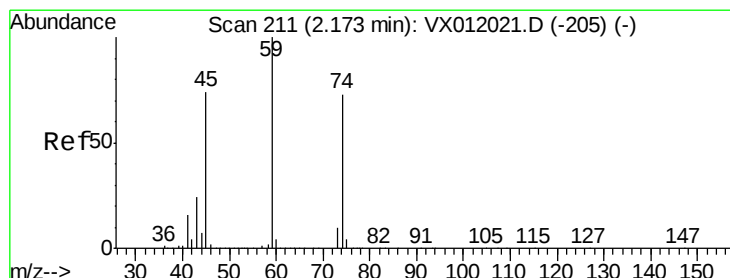
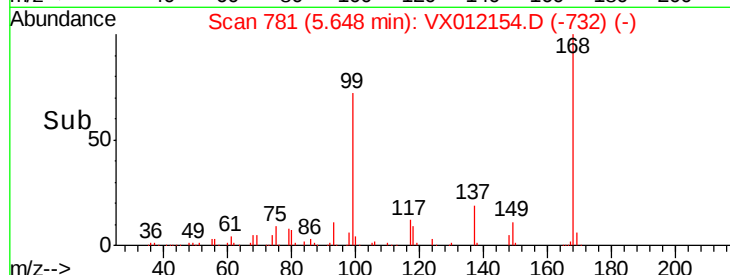
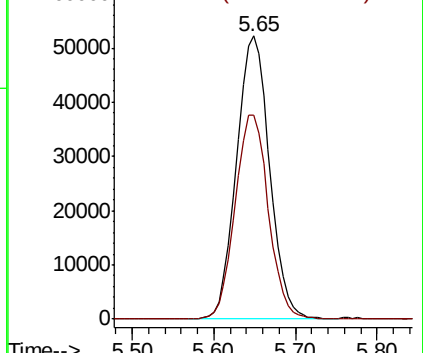
168 100

99 72.2 37.6 56.4#



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#8

Diethyl Ether

Concen: 1.607 ug/l

RT: 2.17 min Scan# 211

Delta R.T. -0.00 min

Lab File: VX012154.D

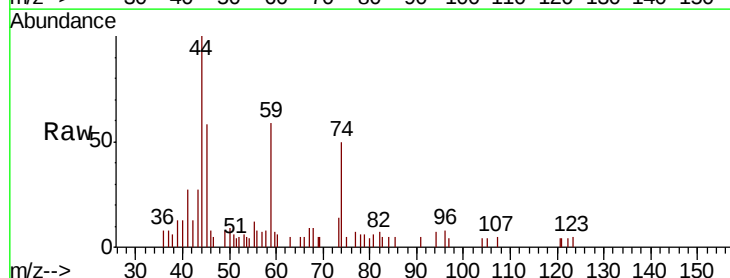
Acq: 06 Sep 2019 18:01

Tgt Ion: 74 Resp: 1128

Ion Ratio Lower Upper

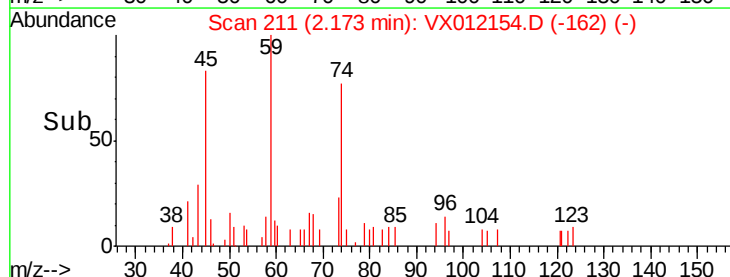
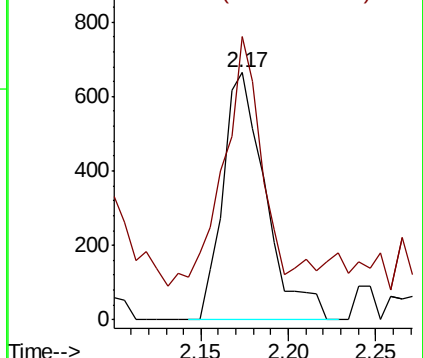
74 100

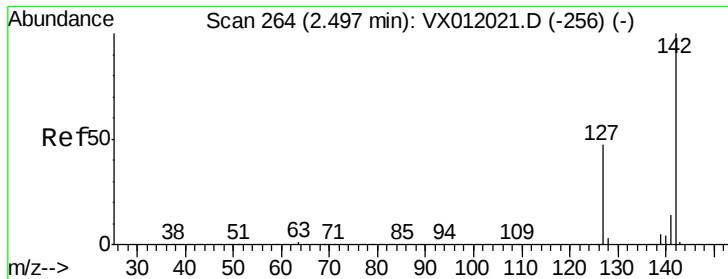
45 88.4 45.9 137.6



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0

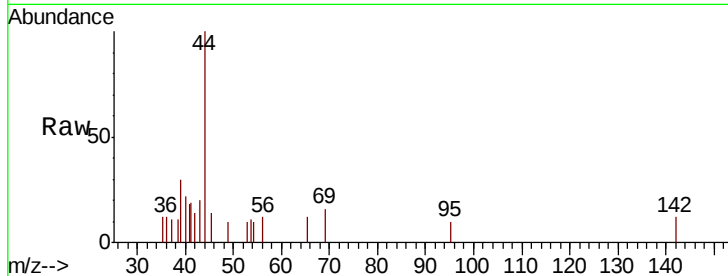




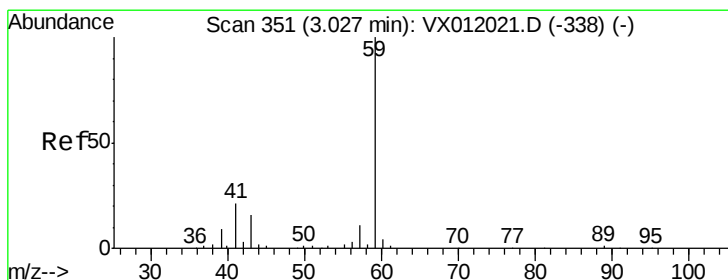
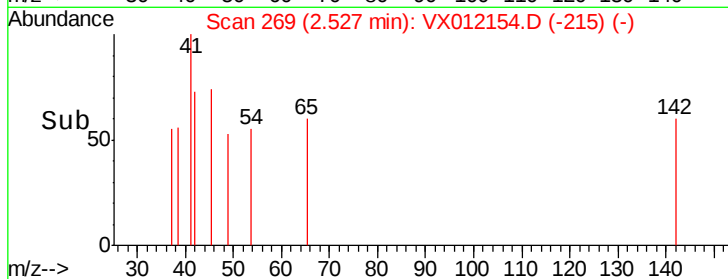
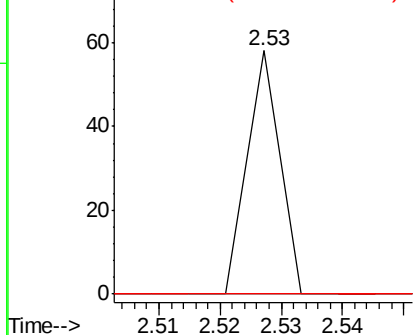
#10
Methyl Iodide
Concen: 7.000 ug/l
RT: 2.53 min Scan# 269
Delta R.T. 0.03 min
Lab File: VX012154.D
Acq: 06 Sep 2019 18:01

Instrument :
MSVOA_X
ClientSampleId :
T12-F1-(0)

Tgt Ion: 142 Resp: 21
Ion Ratio Lower Upper
142 100
127 0.0 35.4 53.2#
141 0.0 11.4 17.2#

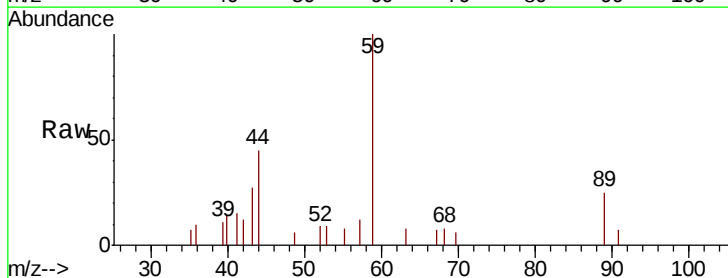


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

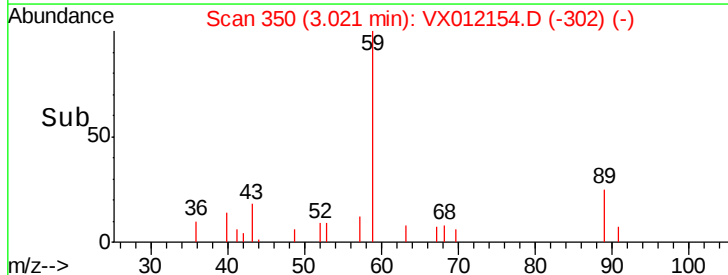
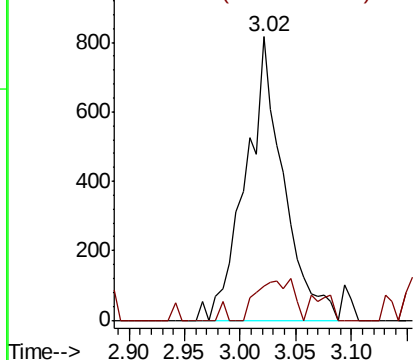


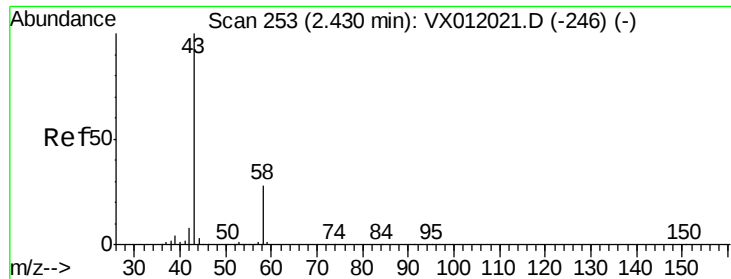
#11
Tert butyl alcohol
Concen: 9.859 ug/l
RT: 3.02 min Scan# 350
Delta R.T. -0.01 min
Lab File: VX012154.D
Acq: 06 Sep 2019 18:01

Tgt Ion: 59 Resp: 1923
Ion Ratio Lower Upper
59 100
57 0.0 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: 4.415 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.00 min

Lab File: VX012154.D

Acq: 06 Sep 2019 18:01

Instrument :

MSVOA_X

ClientSampleId :

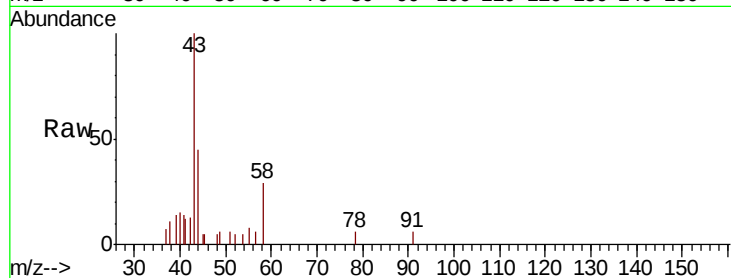
T12-F1-(0)

Tgt Ion: 43 Resp: 2143

Ion Ratio Lower Upper

43 100

58 29.0 22.8 34.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.43

1200

1000

800

600

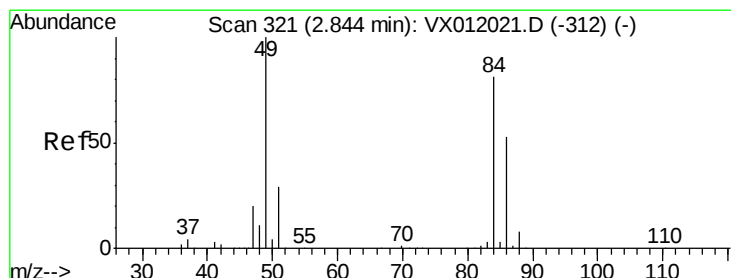
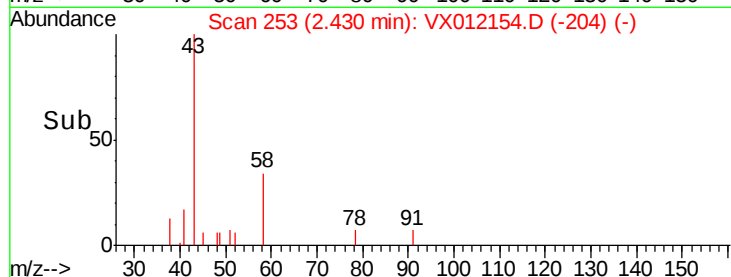
400

200

0

Time-->

2.35 2.40 2.45 2.50



#20

Methylene Chloride

Concen: 3.201 ug/l

RT: 2.84 min Scan# 321

Delta R.T. -0.00 min

Lab File: VX012154.D

Acq: 06 Sep 2019 18:01

Tgt Ion: 84 Resp: 6240

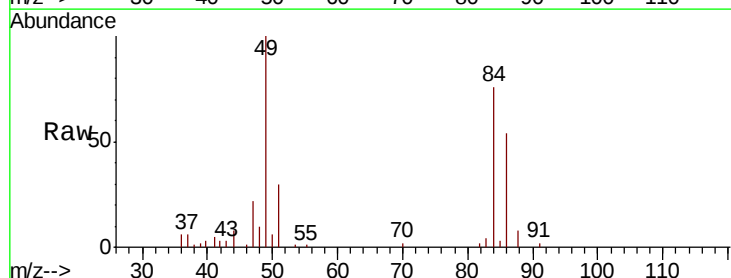
Ion Ratio Lower Upper

84 100

49 132.1 95.8 143.8

51 39.6 28.6 43.0

86 71.0 50.9 76.3



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

6000

5000

4000

3000

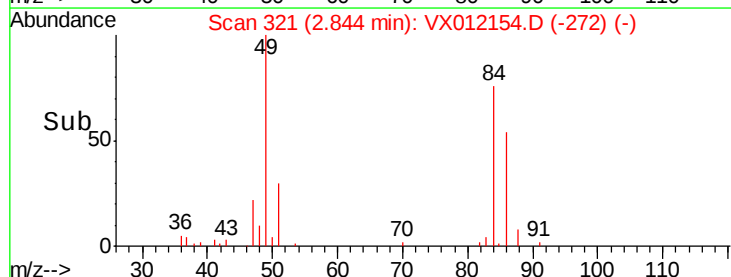
2000

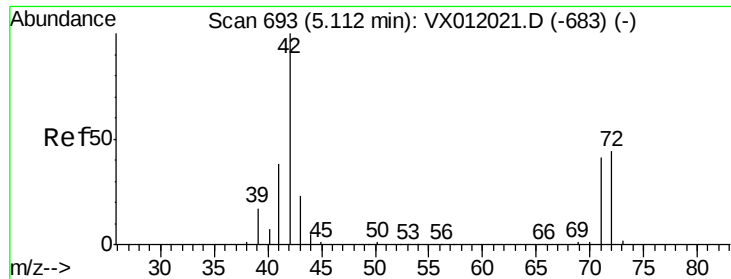
1000

0

Time-->

2.75 2.80 2.85 2.90 2.95

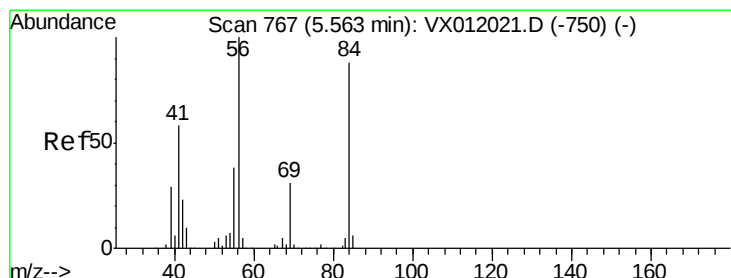
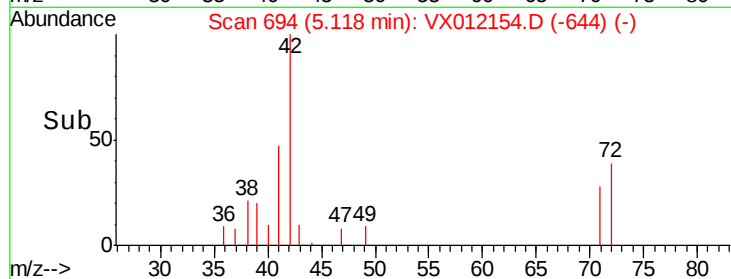
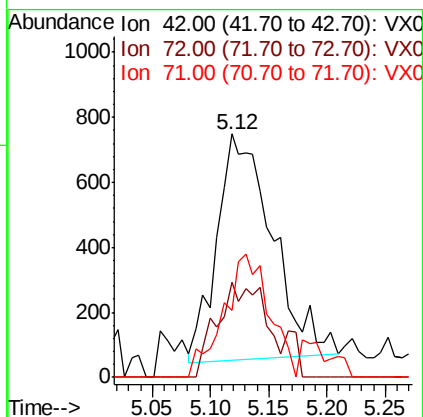
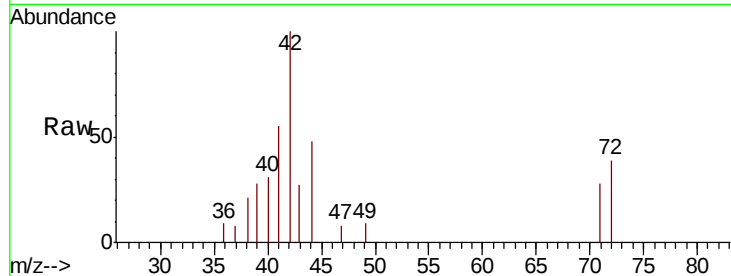




#29
Tetrahydrofuran
Concen: 6.162 ug/l
RT: 5.12 min Scan# 694
Delta R.T. 0.01 min
Lab File: VX012154.D
Acq: 06 Sep 2019 18:01

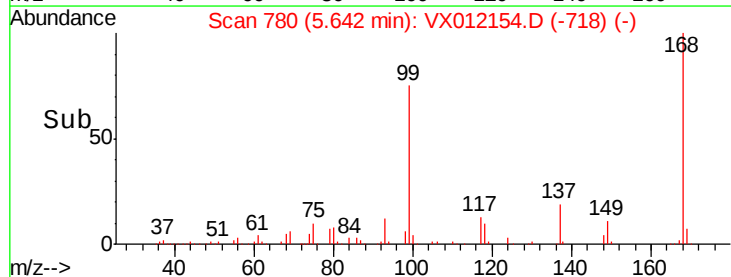
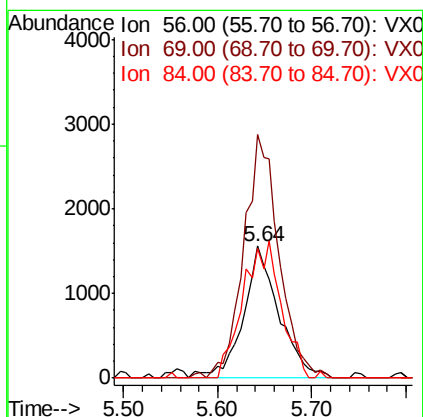
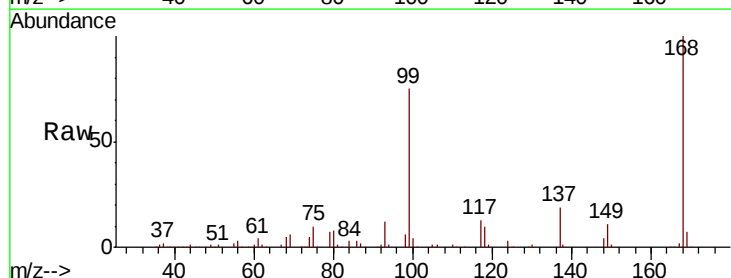
Instrument :
MSVOA_X
ClientSampleId :
T12-F1-(0)

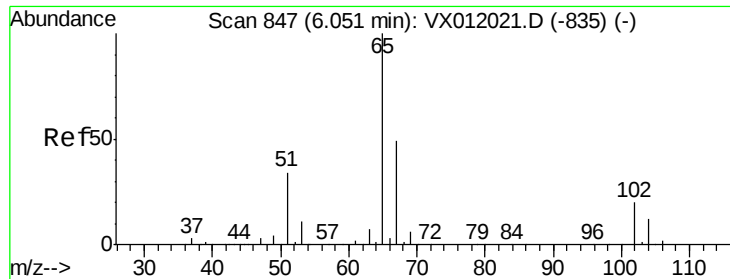
Tgt Ion: 42 Resp: 2294
Ion Ratio Lower Upper
42 100
72 36.8 37.0 55.4#
71 45.0 33.8 50.8



#31
Cyclohexane
Concen: 1.669 ug/l
RT: 5.64 min Scan# 780
Delta R.T. 0.08 min
Lab File: VX012154.D
Acq: 06 Sep 2019 18:01

Tgt Ion: 56 Resp: 4155
Ion Ratio Lower Upper
56 100
69 184.6 25.7 38.5#
84 98.1 70.3 105.5

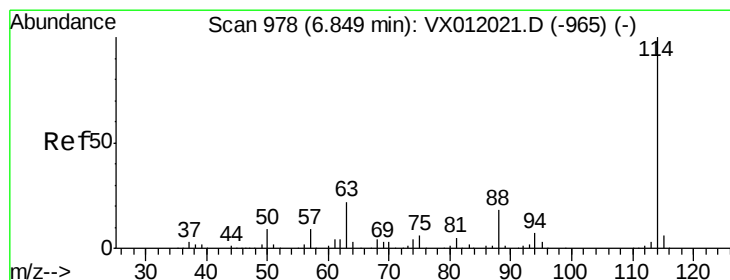
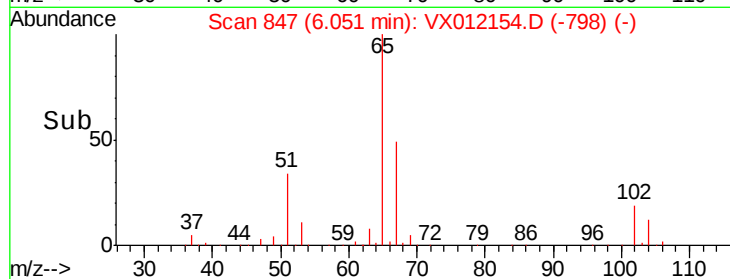
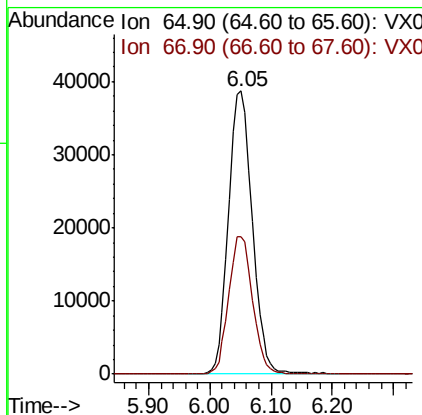
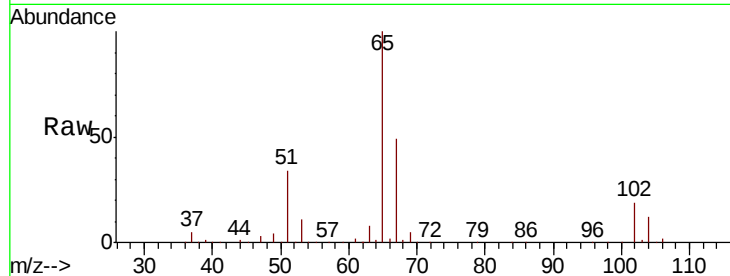




#33
 1,2-Dichloroethane-d4
 Concen: 51.112 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. -0.00 min
 Lab File: VX012154.D
 Acq: 06 Sep 2019 18:01

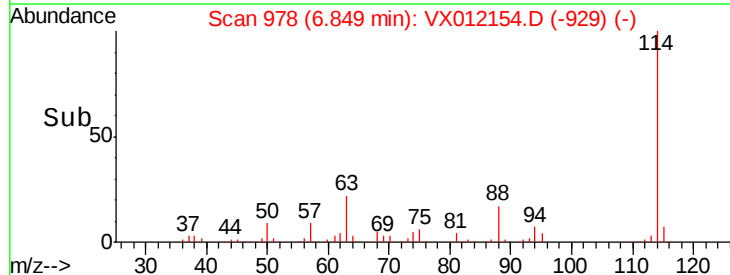
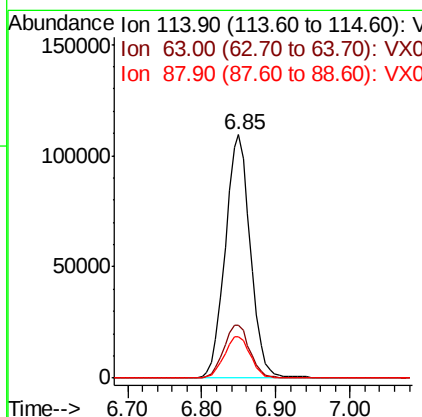
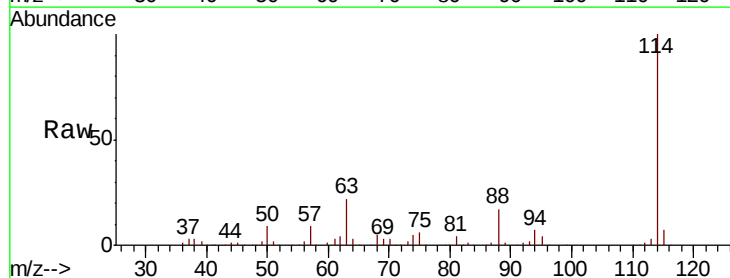
Instrument :
 MSVOA_X
 ClientSampleId :
 T12-F1-(0)

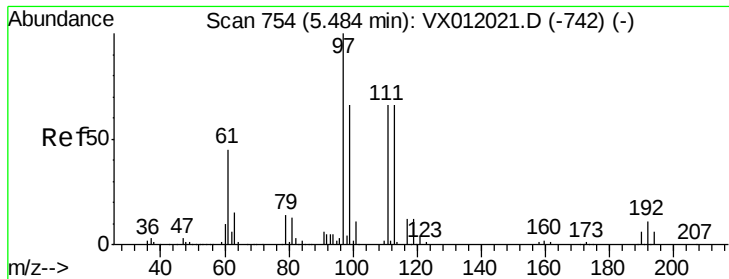
Tgt Ion: 65 Resp: 103798
 Ion Ratio Lower Upper
 65 100
 67 48.8 0.0 102.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. -0.00 min
 Lab File: VX012154.D
 Acq: 06 Sep 2019 18:01

Tgt Ion: 114 Resp: 257844
 Ion Ratio Lower Upper
 114 100
 63 21.9 0.0 37.4
 88 17.2 0.0 29.6





#35

Dibromofluoromethane

Concen: 48.838 ug/l

RT: 5.48 min Scan# 754

Delta R.T. -0.00 min

Lab File: VX012154.D

Acq: 06 Sep 2019 18:01

Instrument :

MSVOA_X

ClientSampleId :

T12-F1-(0)

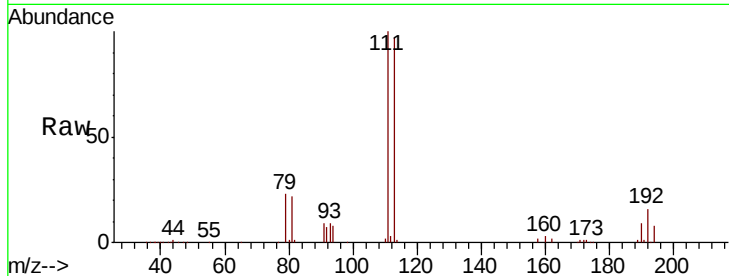
Tgt Ion:113 Resp: 77441

Ion Ratio Lower Upper

113 100

111 101.5 81.7 122.5

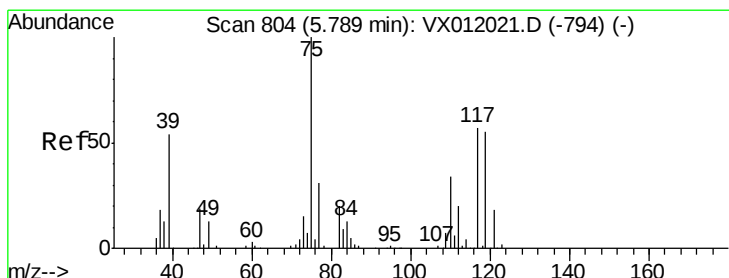
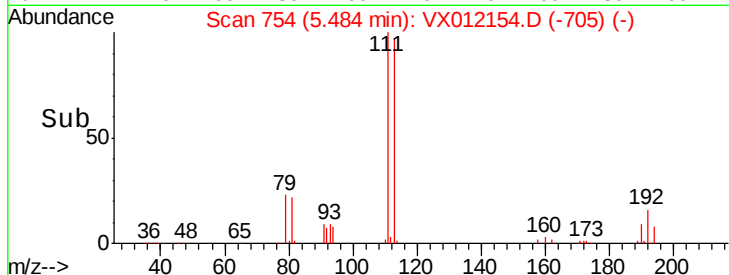
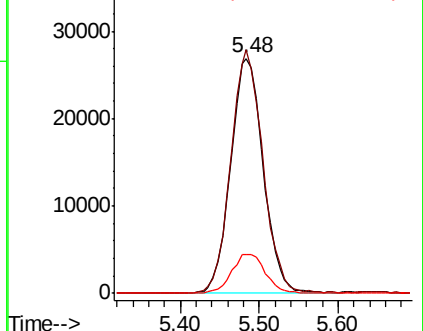
192 17.2 22.5 33.7#



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: 6.071 ug/l

RT: 5.64 min Scan# 780

Delta R.T. -0.15 min

Lab File: VX012154.D

Acq: 06 Sep 2019 18:01

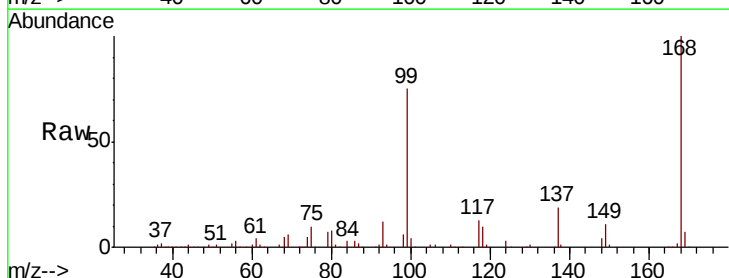
Tgt Ion: 75 Resp: 13787

Ion Ratio Lower Upper

75 100

110 10.4 19.5 58.5#

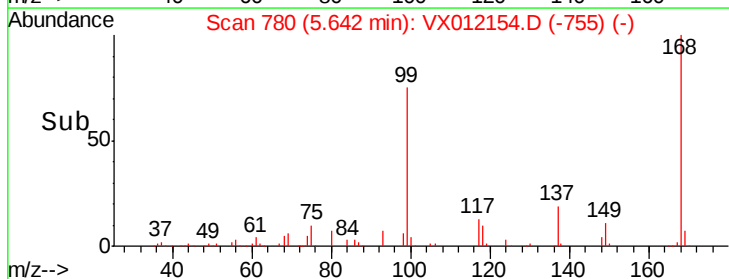
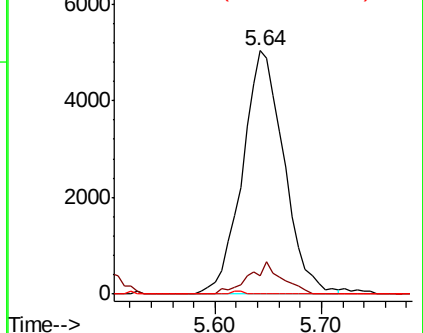
77 0.0 24.6 37.0#

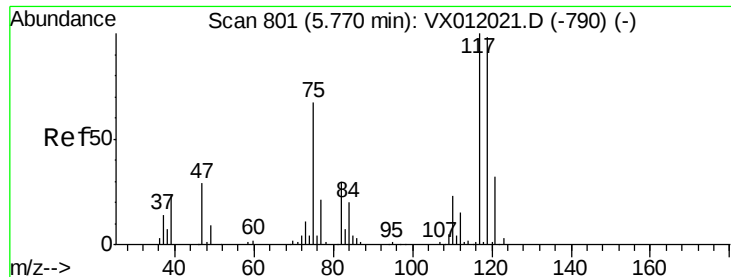


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

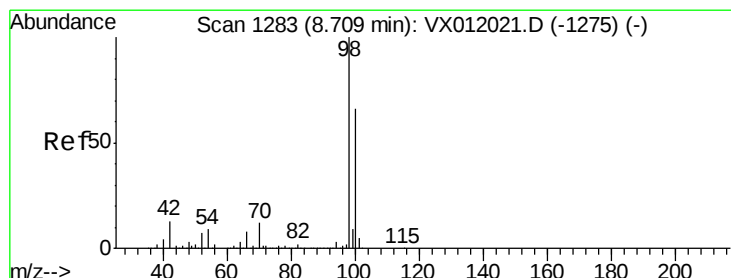
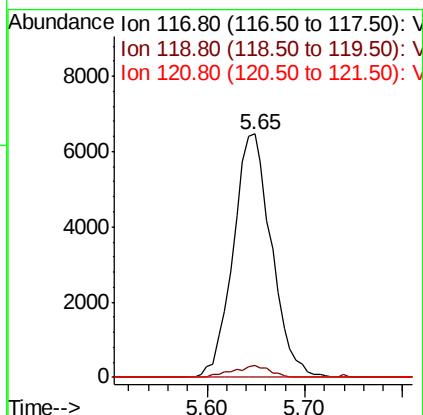
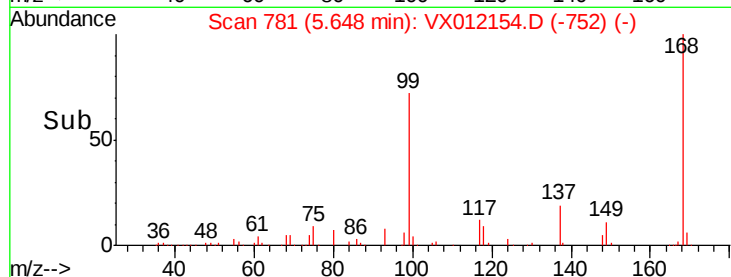
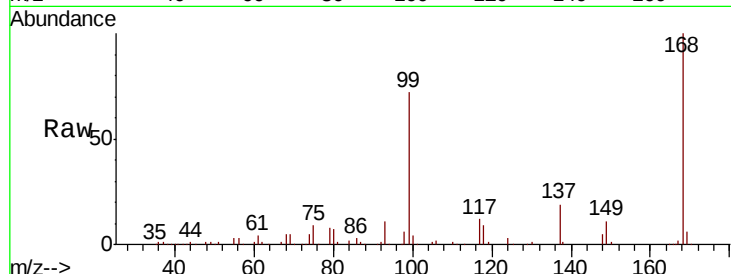




#38
Carbon Tetrachloride
Concen: 7.350 ug/l
RT: 5.65 min Scan# 781
Delta R.T. -0.12 min
Lab File: VX012154.D
Acq: 06 Sep 2019 18:01

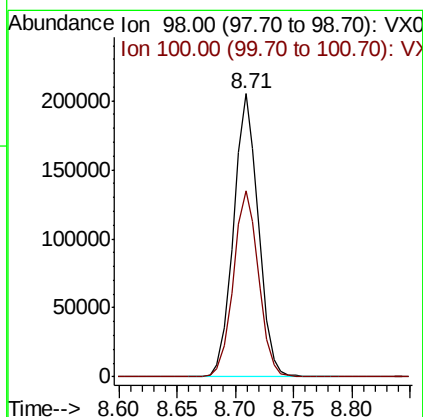
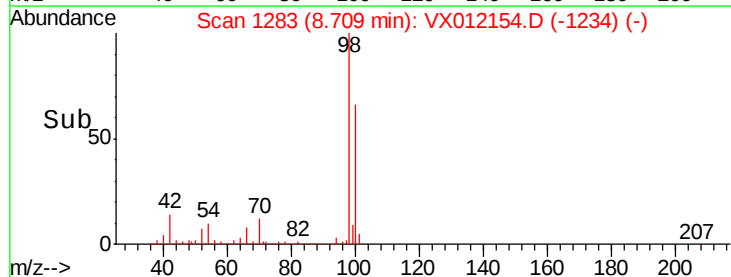
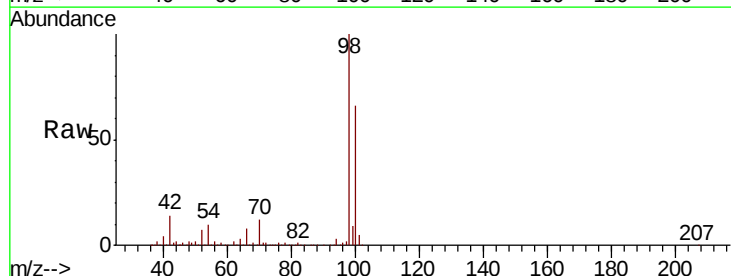
Instrument :
MSVOA_X
ClientSampleId :
T12-F1-(0)

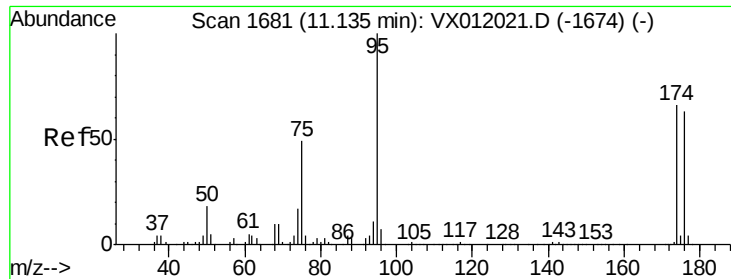
Tgt Ion:117 Resp: 17588
Ion Ratio Lower Upper
117 100
119 5.2 78.3 117.5#
121 0.0 24.2 36.2#



#50
Toluene-d8
Concen: 52.337 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX012154.D
Acq: 06 Sep 2019 18:01

Tgt Ion: 98 Resp: 304533
Ion Ratio Lower Upper
98 100
100 66.7 53.3 79.9

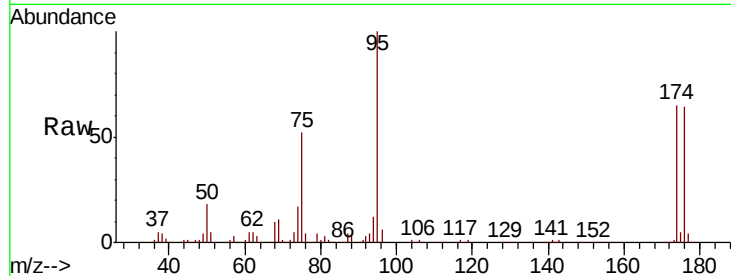




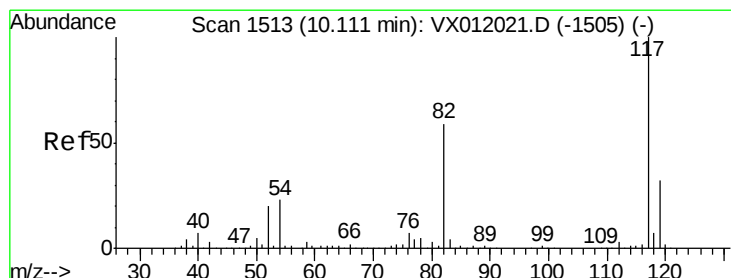
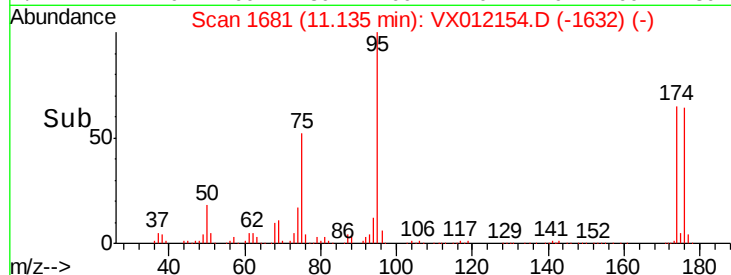
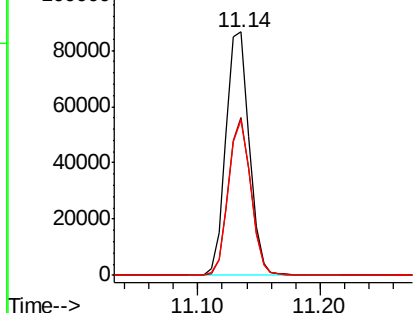
#62
4-Bromofluorobenzene
Concen: 42.119 ug/l
RT: 11.14 min Scan# 1681
Delta R.T. -0.00 min
Lab File: VX012154.D
Acq: 06 Sep 2019 18:01

Instrument :
MSVOA_X
ClientSampleId :
T12-F1-(0)

Tgt Ion: 95 Resp: 113974
Ion Ratio Lower Upper
95 100
174 62.1 0.0 205.4
176 61.4 0.0 201.8

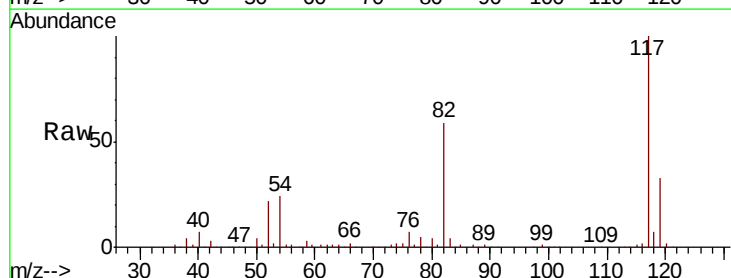


Abundance Ion 94.90 (94.60 to 95.60): VX0
Ion 173.80 (173.50 to 174.50): V
Ion 175.80 (175.50 to 176.50): V

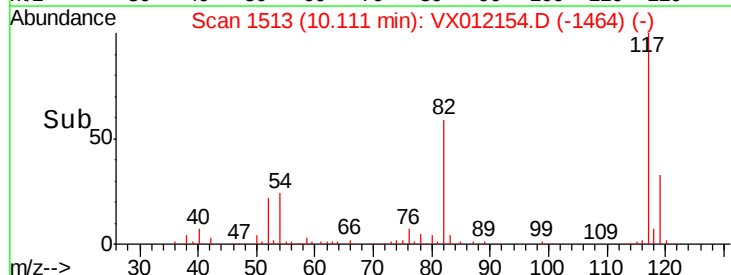
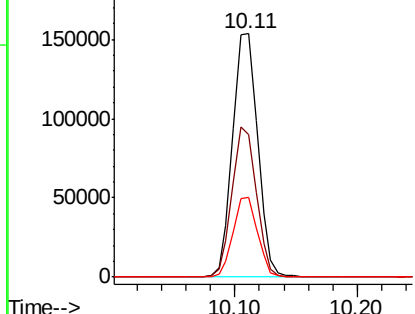


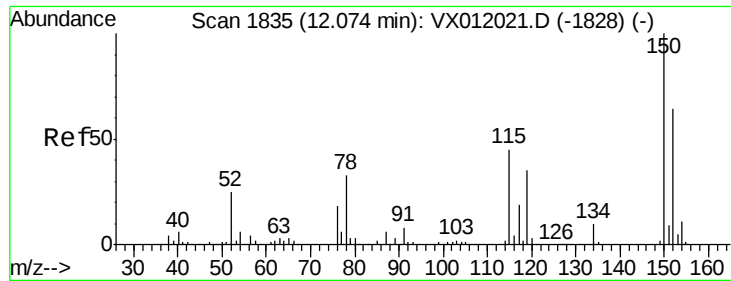
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX012154.D
Acq: 06 Sep 2019 18:01

Tgt Ion: 117 Resp: 218196
Ion Ratio Lower Upper
117 100
82 58.7 39.4 59.0
119 32.6 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: VX012154.D

Acq: 06 Sep 2019 18:01

Instrument :

MSVOA_X

ClientSampleId :

T12-F1-(0)

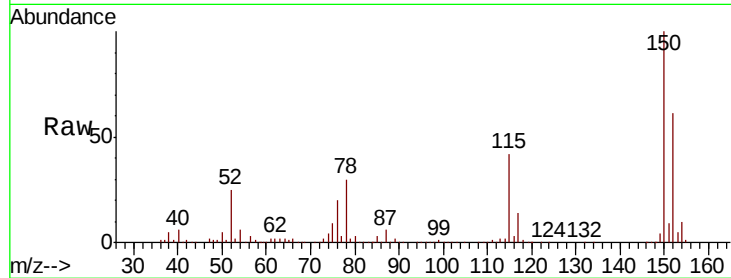
Tgt Ion:152 Resp: 84934

Ion Ratio Lower Upper

152 100

115 66.4 36.4 109.3

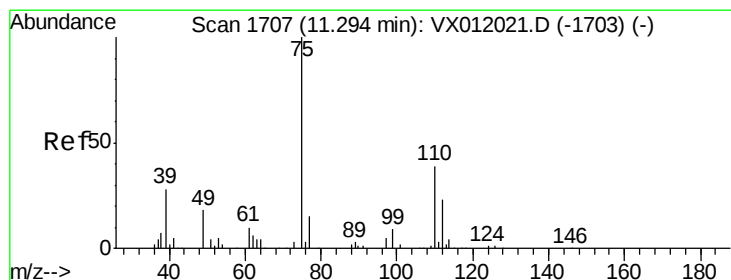
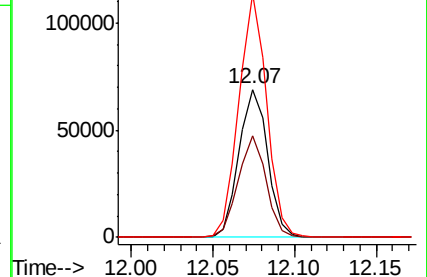
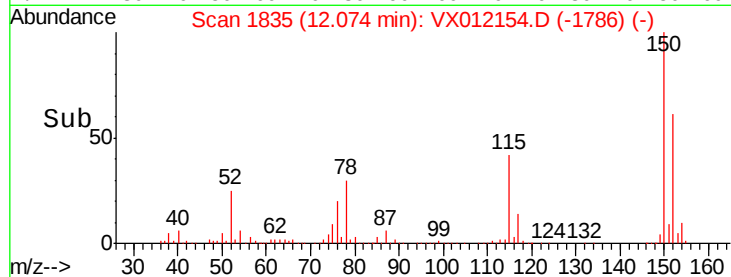
150 159.0 0.0 341.2



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: 57.652 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.16 min

Lab File: VX012154.D

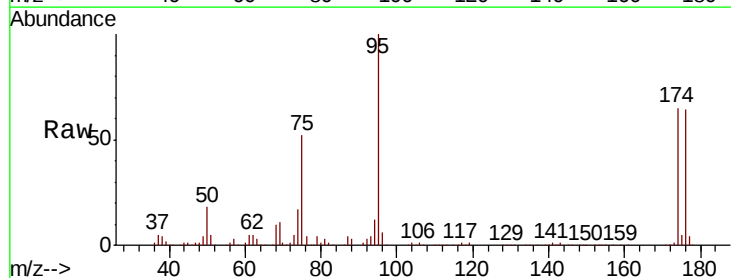
Acq: 06 Sep 2019 18:01

Tgt Ion: 75 Resp: 59829

Ion Ratio Lower Upper

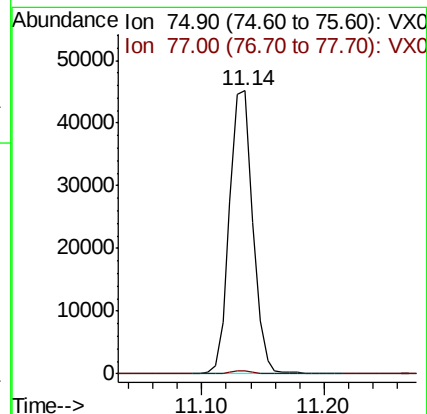
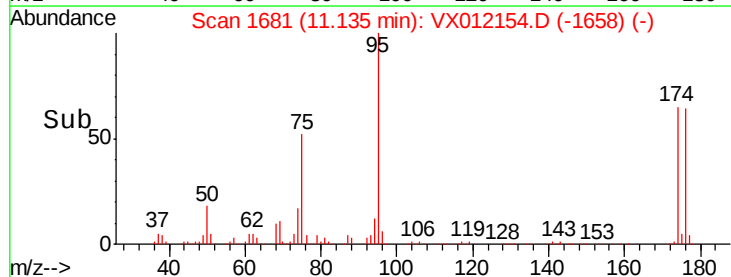
75 100

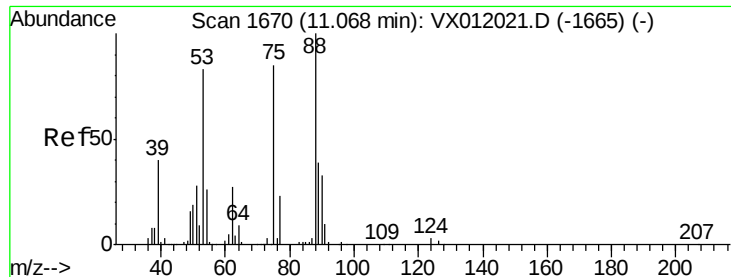
77 1.1 23.5 70.5#



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: 136.298 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.07 min

Lab File: VX012154.D

Acq: 06 Sep 2019 18:01

Instrument :

MSVOA_X

ClientSampleId :

T12-F1-(0)

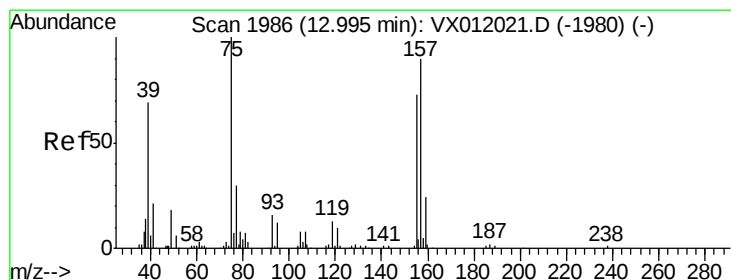
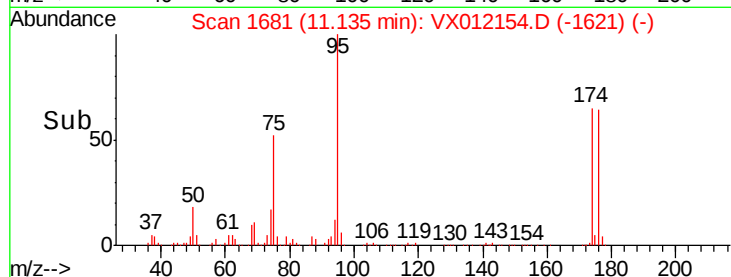
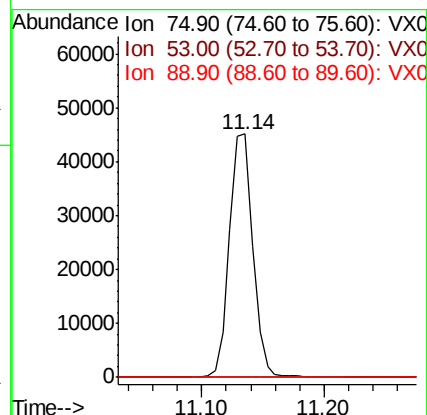
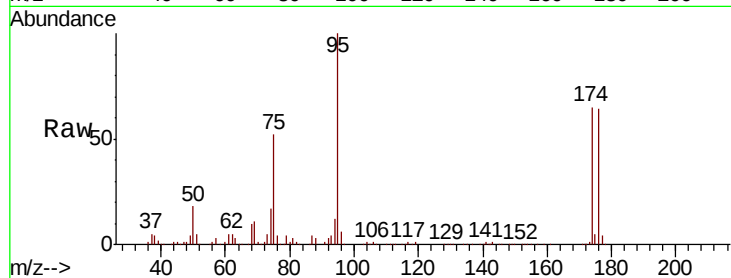
Tgt Ion: 75 Resp: 59829

Ion Ratio Lower Upper

75 100

53 0.0 78.6 117.8#

89 0.0 38.8 58.2#



#92

1,2-Dibromo-3-Chloropropane

Concen: 1.177 ug/l

RT: 12.82 min Scan# 1957

Delta R.T. -0.18 min

Lab File: VX012154.D

Acq: 06 Sep 2019 18:01

Tgt Ion: 75 Resp: 320

Ion Ratio Lower Upper

75 100

155 0.0 51.7 155.2#

157 0.0 66.9 200.7#

