

Data File : VX012176.D
Acq On : 07 Sep 2019 15:11
Operator : SY/SP
Sample : K4602-04
Misc : 4.52g/5.0mL/MSVOA_X/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
T12-G1-(2.7)

Quant Time: Sep 08 07:42:26 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	154902	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	267415	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	220361	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	78901	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.05	65	104865	49.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.12%	
35) Dibromofluoromethane	5.48	113	78908	47.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.96%	
50) Toluene-d8	8.71	98	312937	51.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.72%	
62) 4-Bromofluorobenzene	11.13	95	111068	39.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	79.16%	

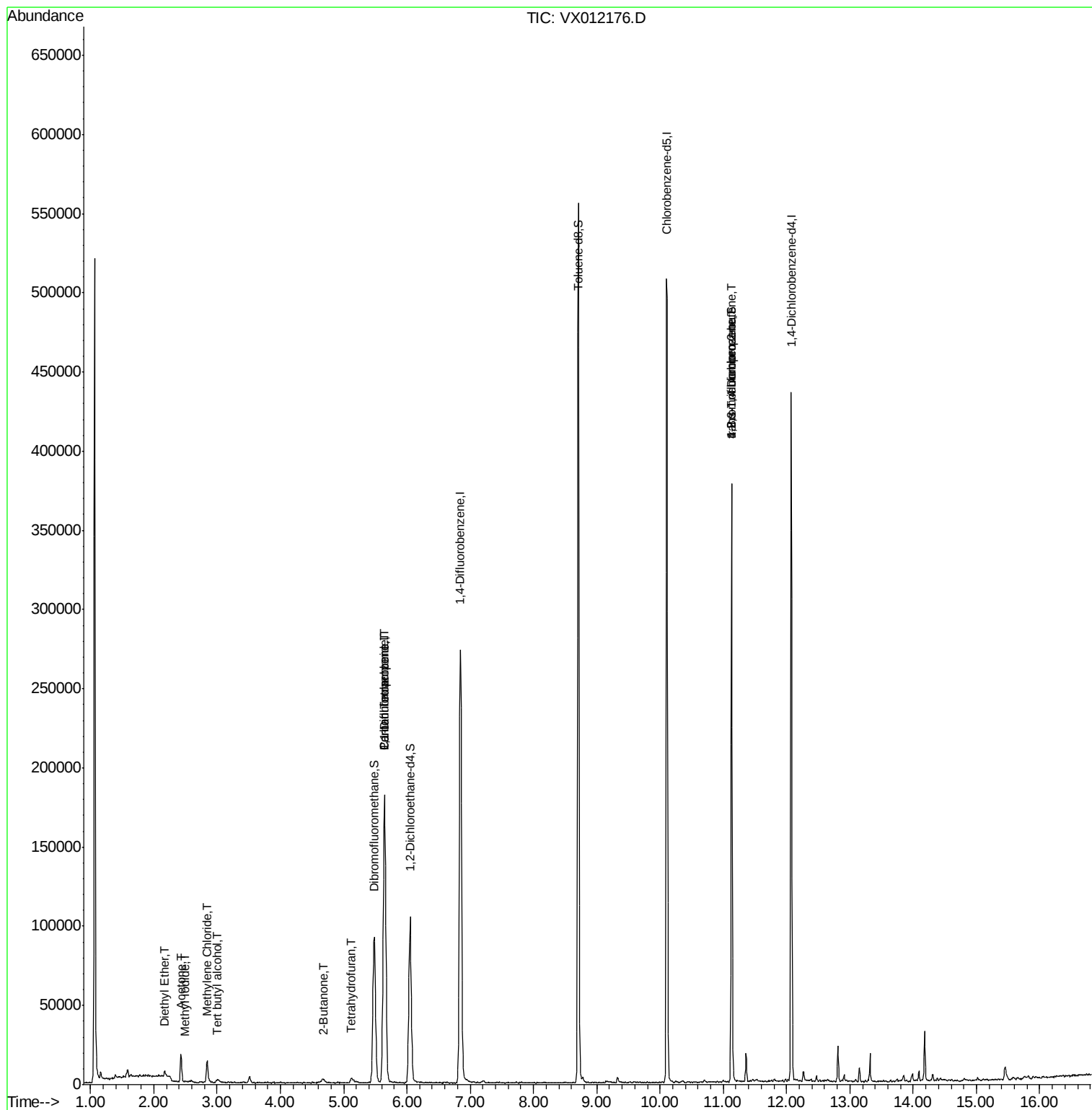
Target Compounds			Qvalue			
8) Diethyl Ether	2.17	74	920	1.245	ug/l	83
10) Methyl Iodide	2.49	142	154	7.071	ug/l #	44
11) Tert butyl alcohol	3.01	59	2193	10.682	ug/l #	89
13) Acrolein	2.28	56	18	Below Cal	#	12
16) Acetone	2.43	43	18571	36.352	ug/l	98
20) Methylene Chloride	2.84	84	6101	2.974	ug/l	96
25) 2-Butanone	4.69	43	938	1.442	ug/l #	48
29) Tetrahydrofuran	5.12	42	3190	8.142	ug/l	97
36) 1,1-Dichloropropene	5.64	75	14540	6.173	ug/l #	49
38) Carbon Tetrachloride	5.64	117	18087	7.288	ug/l #	14
76) 1,2,3-Trichloropropane	11.13	75	57111	59.241	ug/l #	31
81) trans-1,4-Dichloro-2-buten	11.13	75	57111	140.054	ug/l #	10

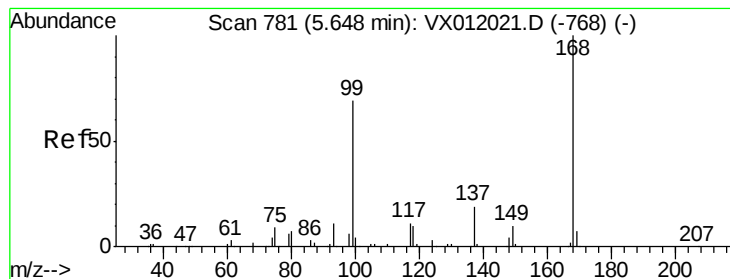
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : VX012176.D
Acq On : 07 Sep 2019 15:11
Operator : SY/SP
Sample : K4602-04
Misc : 4.52g/5.0mL/MSVOA_X/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
T12-G1-(2.7)

Quant Time: Sep 08 07:42:26 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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.00 min

Lab File: VX012176.D

Acq: 07 Sep 2019 15:11

Instrument :

MSVOA_X

ClientSampleId :

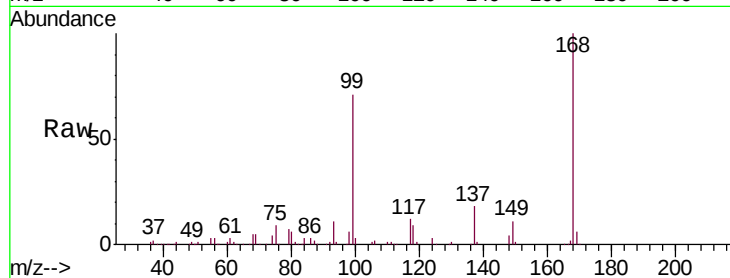
T12-G1-(2.7)

Tgt Ion:168 Resp: 154902

Ion Ratio Lower Upper

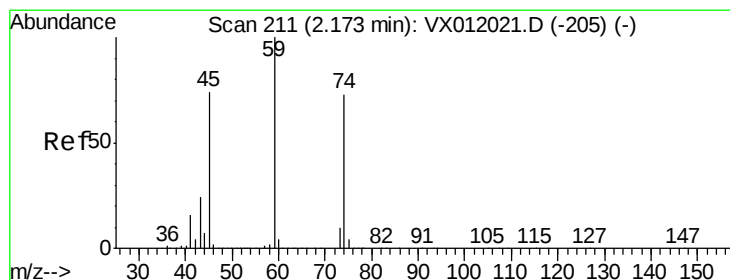
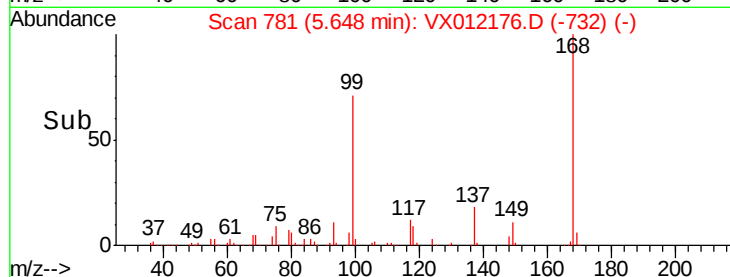
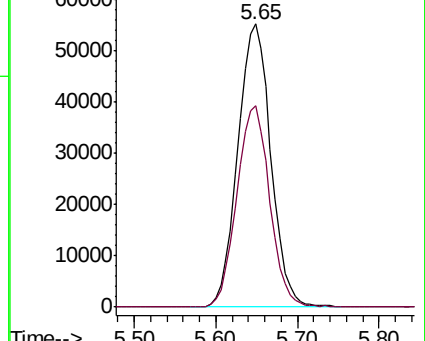
168 100

99 71.4 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: 1.245 ug/l

RT: 2.17 min Scan# 211

Delta R.T. -0.00 min

Lab File: VX012176.D

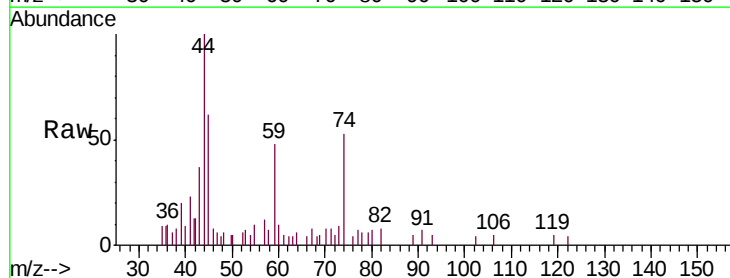
Acq: 07 Sep 2019 15:11

Tgt Ion: 74 Resp: 920

Ion Ratio Lower Upper

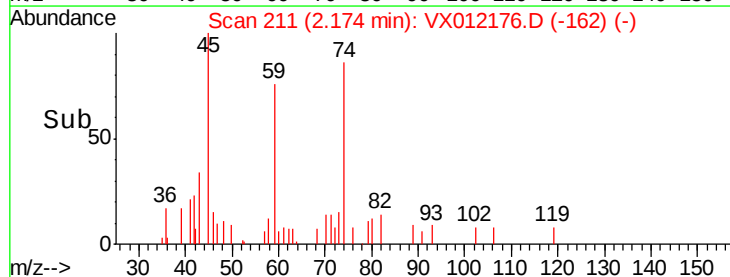
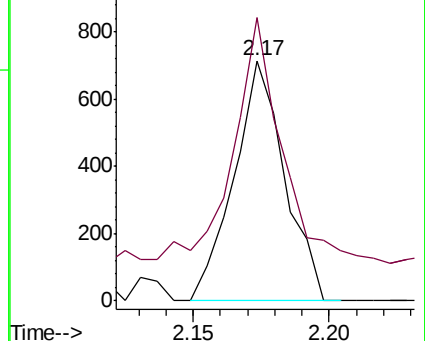
74 100

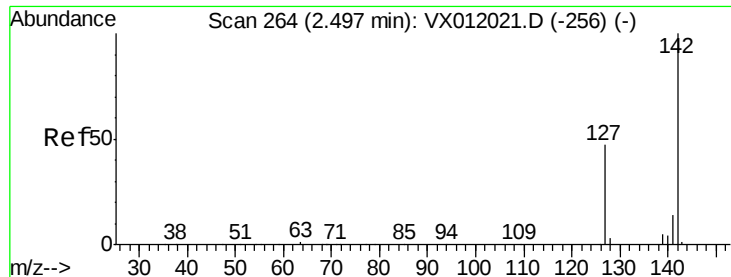
45 107.7 45.9 137.6



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0

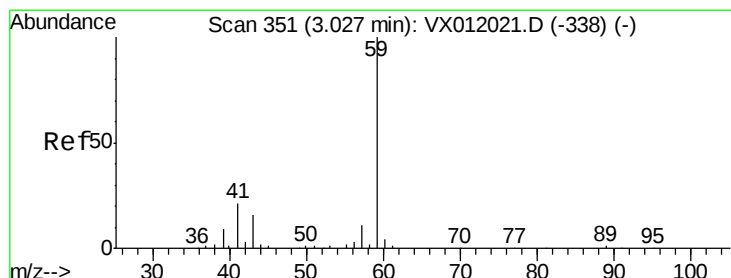
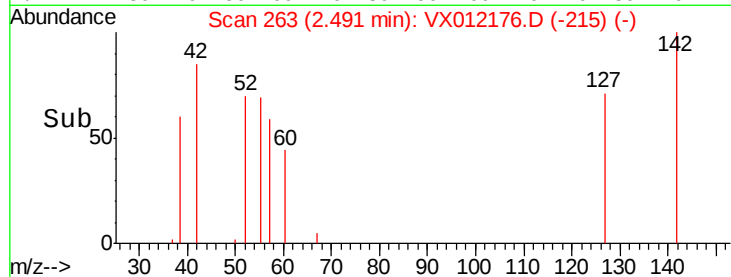
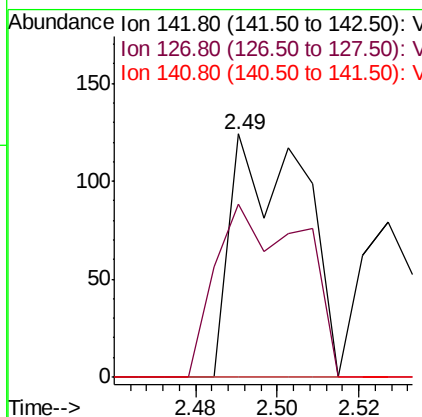
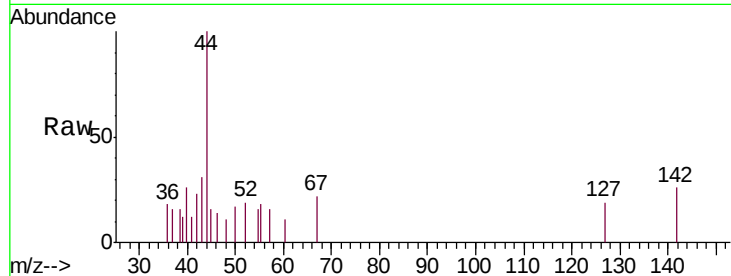




#10
Methyl Iodide
Concen: 7.071 ug/l
RT: 2.49 min Scan# 263
Delta R.T. -0.01 min
Lab File: VX012176.D
Acq: 07 Sep 2019 15:11

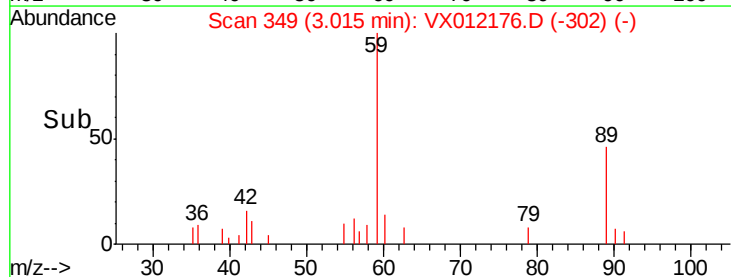
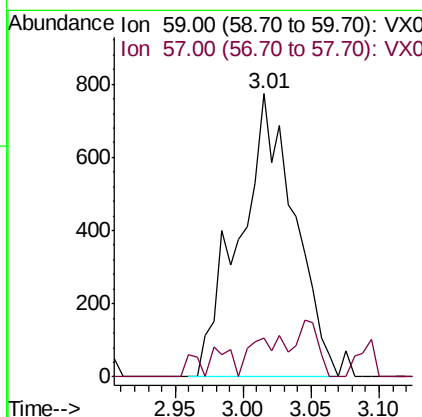
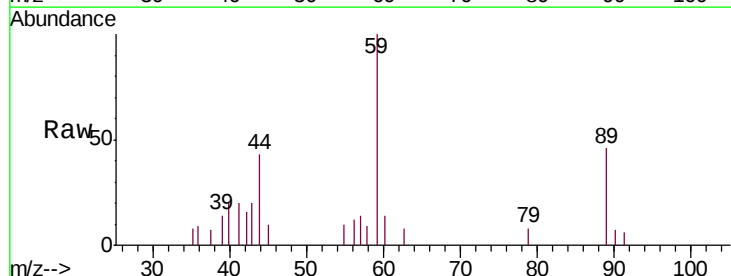
Instrument :
MSVOA_X
ClientSampleId :
T12-G1-(2.7)

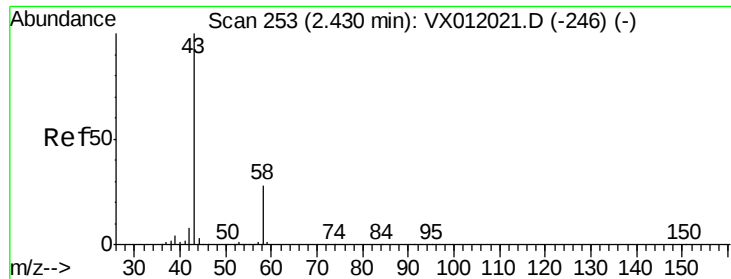
Tgt Ion: 142 Resp: 154
Ion Ratio Lower Upper
142 100
127 85.1 35.4 53.2#
141 0.0 11.4 17.2#



#11
Tert butyl alcohol
Concen: 10.682 ug/l
RT: 3.01 min Scan# 349
Delta R.T. -0.01 min
Lab File: VX012176.D
Acq: 07 Sep 2019 15:11

Tgt Ion: 59 Resp: 2193
Ion Ratio Lower Upper
59 100
57 5.9 7.9 11.9#





#16

Acetone

Concen: 36.352 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.00 min

Lab File: VX012176.D

Acq: 07 Sep 2019 15:11

Instrument :

MSVOA_X

ClientSampleId :

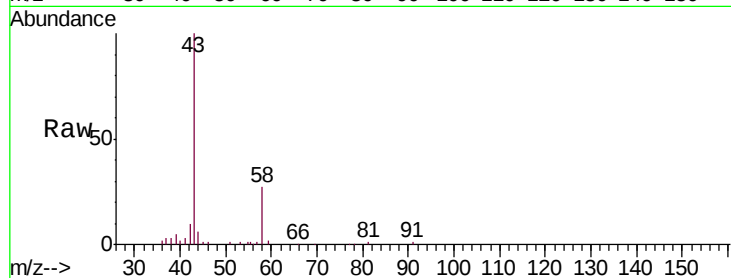
T12-G1-(2.7)

Tgt Ion: 43 Resp: 18571

Ion Ratio Lower Upper

43 100

58 27.7 22.8 34.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

12000

10000

8000

6000

4000

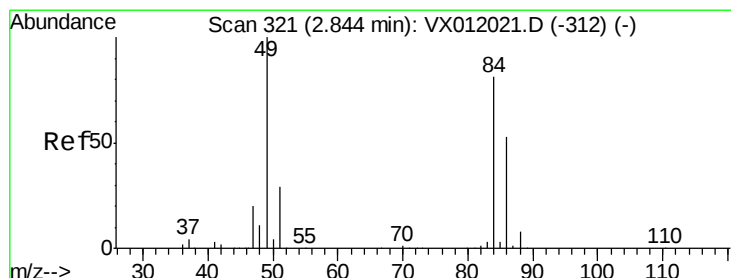
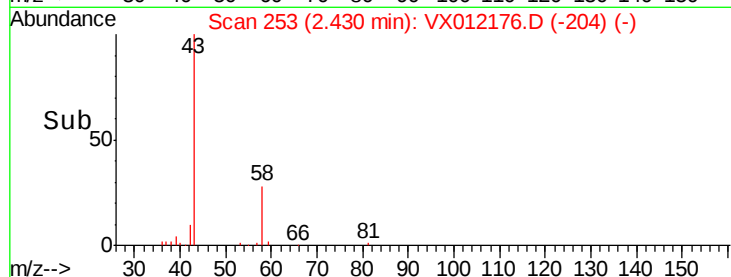
2000

0

Time-->

2.35 2.40 2.45 2.50 2.55

2.43



#20

Methylene Chloride

Concen: 2.974 ug/l

RT: 2.84 min Scan# 321

Delta R.T. -0.00 min

Lab File: VX012176.D

Acq: 07 Sep 2019 15:11

Tgt Ion: 84 Resp: 6101

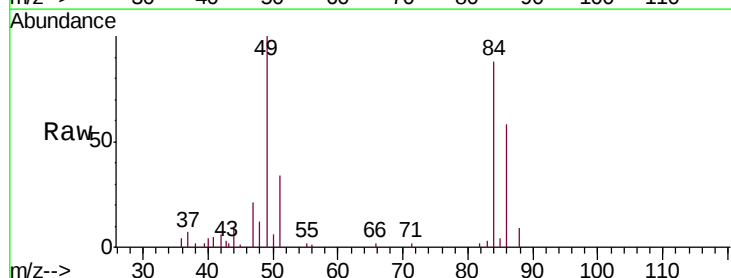
Ion Ratio Lower Upper

84 100

49 114.1 95.8 143.8

51 38.8 28.6 43.0

86 65.9 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

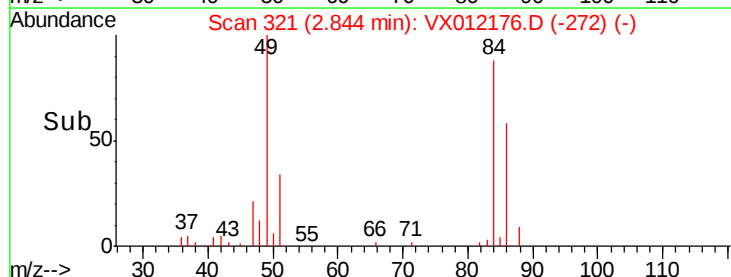
1000

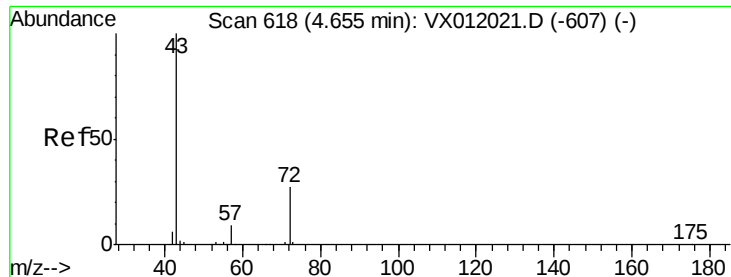
0

Time-->

2.75 2.80 2.85 2.90 2.95

2.84





#25

2-Butanone

Concen: 1.442 ug/l

RT: 4.69 min Scan# 623

Delta R.T. 0.03 min

Lab File: VX012176.D

Acq: 07 Sep 2019 15:11

Instrument :

MSVOA_X

ClientSampled :

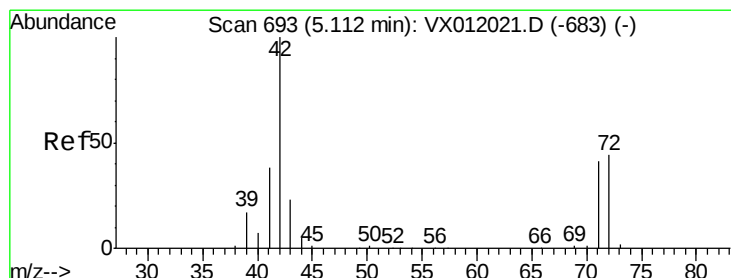
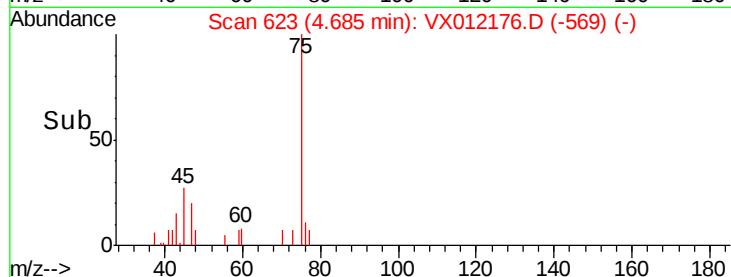
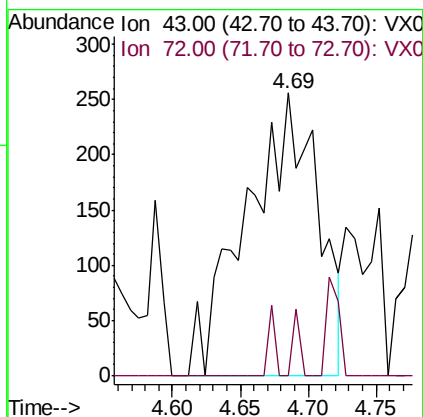
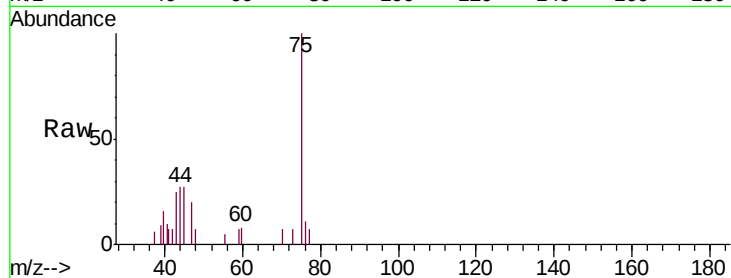
T12-G1-(2.7)

Tgt Ion: 43 Resp: 938

Ion Ratio Lower Upper

43 100

72 0.0 21.3 31.9#



#29

Tetrahydrofuran

Concen: 8.142 ug/l

RT: 5.12 min Scan# 695

Delta R.T. 0.01 min

Lab File: VX012176.D

Acq: 07 Sep 2019 15:11

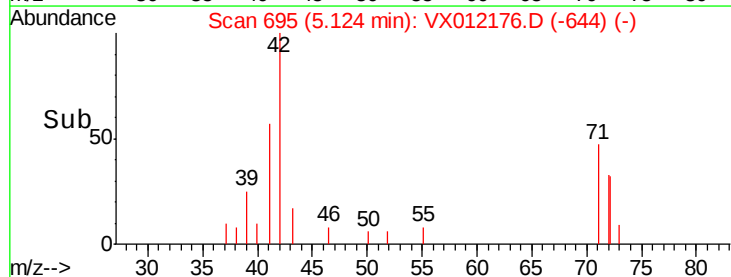
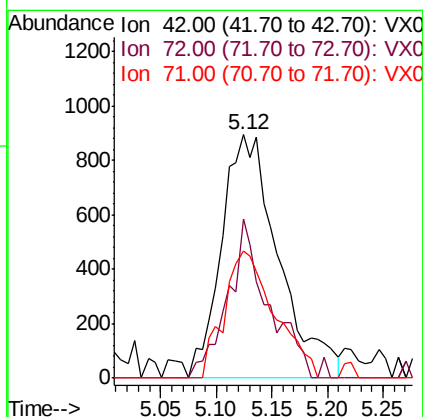
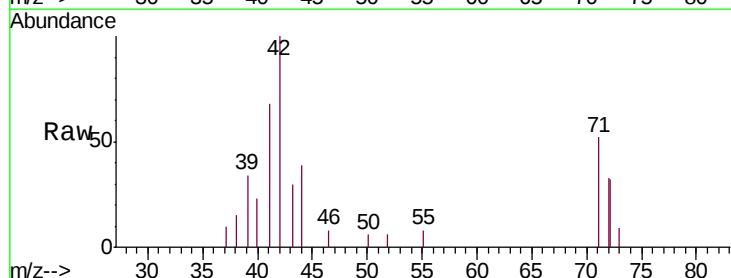
Tgt Ion: 42 Resp: 3190

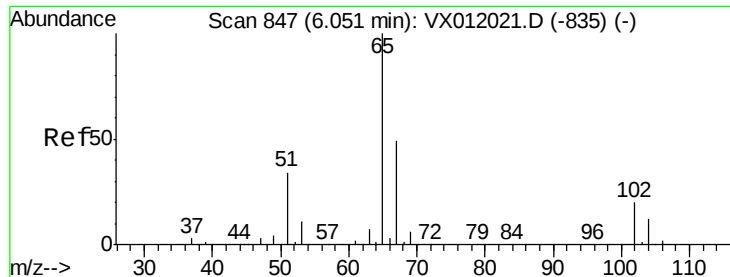
Ion Ratio Lower Upper

42 100

72 46.3 37.0 55.4

71 46.3 33.8 50.8





#33

1,2-Dichloroethane-d4

Concen: 49.063 ug/l

RT: 6.05 min Scan# 847

Delta R.T. -0.00 min

Lab File: VX012176.D

Acq: 07 Sep 2019 15:11

Instrument :

MSVOA_X

ClientSampleId :

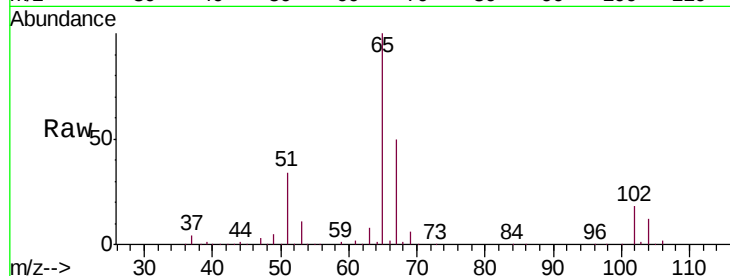
T12-G1-(2.7)

Tgt Ion: 65 Resp: 104865

Ion Ratio Lower Upper

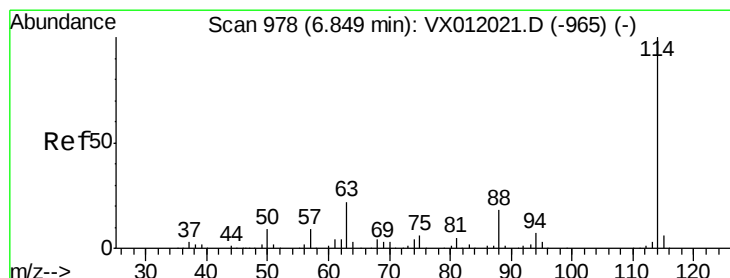
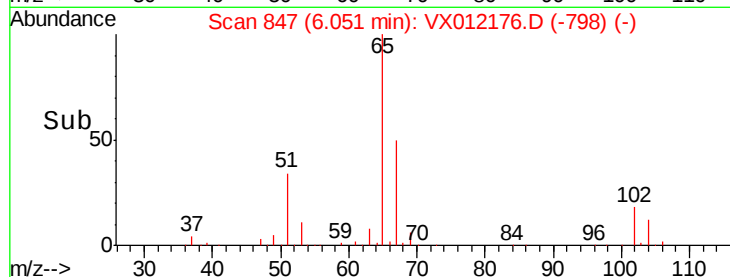
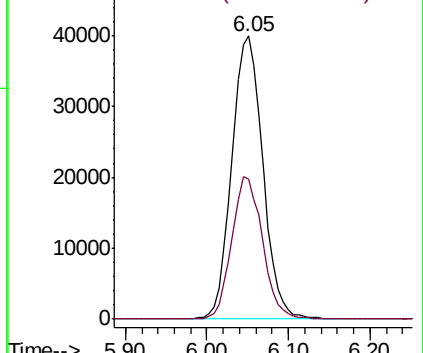
65 100

67 49.9 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: 6.85 min Scan# 978

Delta R.T. -0.00 min

Lab File: VX012176.D

Acq: 07 Sep 2019 15:11

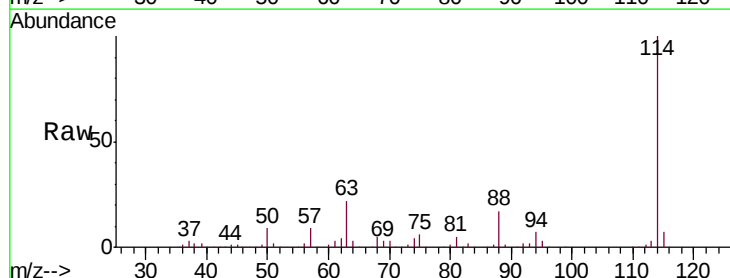
Tgt Ion: 114 Resp: 267415

Ion Ratio Lower Upper

114 100

63 21.6 0.0 37.4

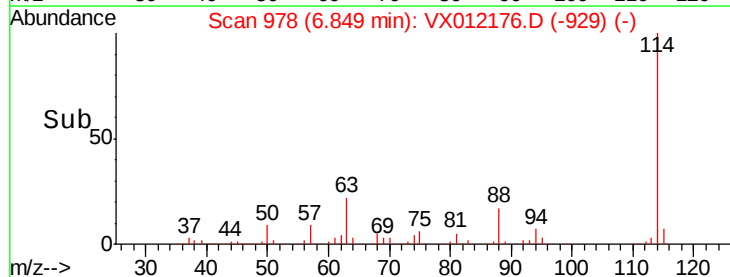
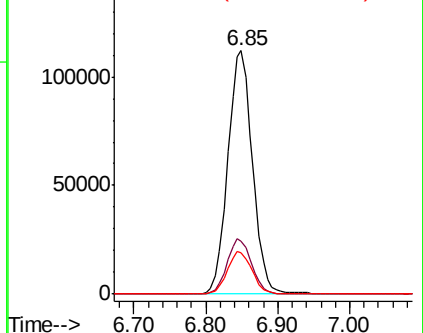
88 17.2 0.0 29.6

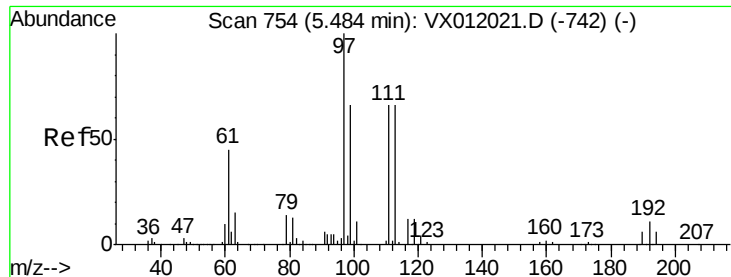


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

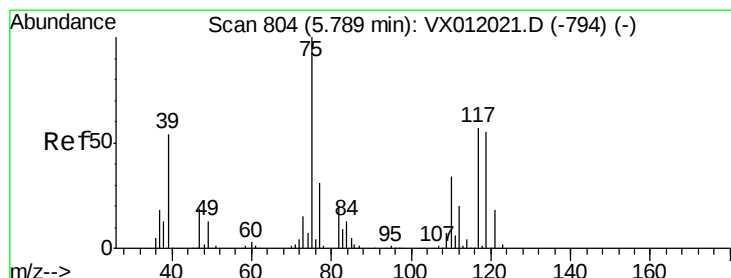
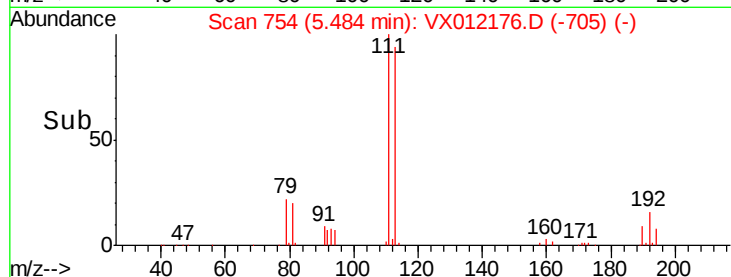
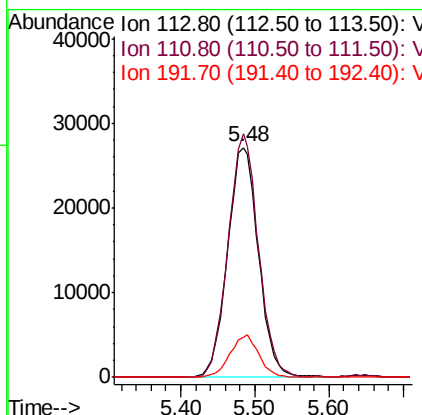
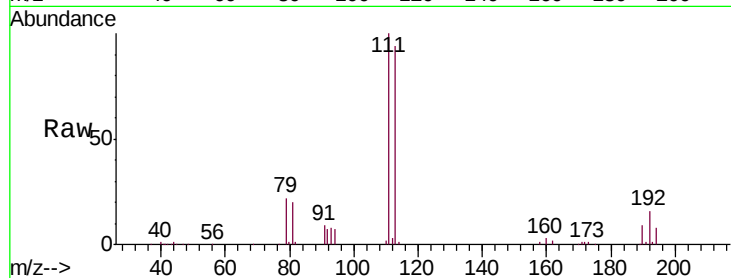




#35
 Dibromofluoromethane
 Concen: 47.982 ug/l
 RT: 5.48 min Scan# 754
 Delta R.T. -0.00 min
 Lab File: VX012176.D
 Acq: 07 Sep 2019 15:11

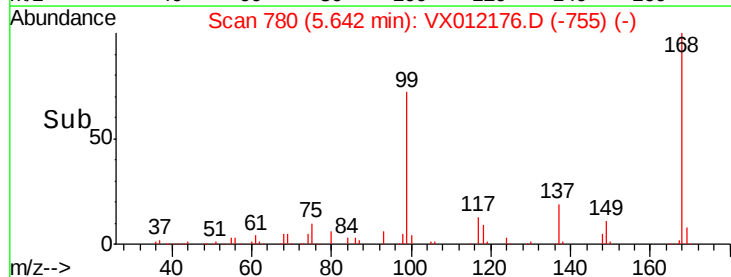
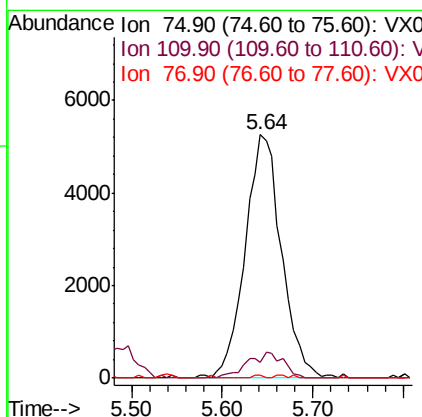
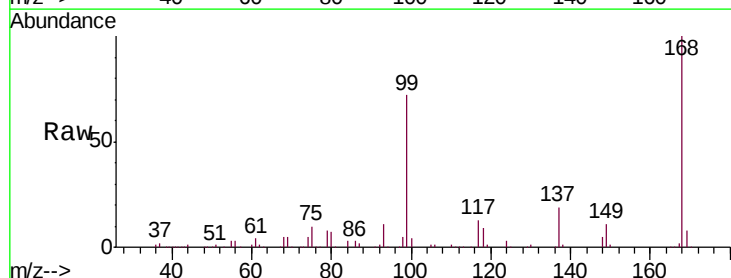
Instrument :
 MSVOA_X
 ClientSampleId :
 T12-G1-(2.7)

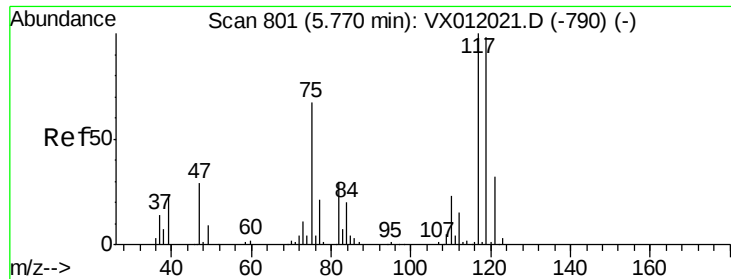
Tgt Ion:113 Resp: 78908
 Ion Ratio Lower Upper
 113 100
 111 103.9 81.7 122.5
 192 17.3 22.5 33.7#



#36
 1,1-Dichloropropene
 Concen: 6.173 ug/l
 RT: 5.64 min Scan# 780
 Delta R.T. -0.15 min
 Lab File: VX012176.D
 Acq: 07 Sep 2019 15:11

Tgt Ion: 75 Resp: 14540
 Ion Ratio Lower Upper
 75 100
 110 10.4 19.5 58.5#
 77 0.3 24.6 37.0#





#38

Carbon Tetrachloride

Concen: 7.288 ug/l

RT: 5.64 min Scan# 780

Delta R.T. -0.13 min

Lab File: VX012176.D

Acq: 07 Sep 2019 15:11

Instrument :

MSVOA_X

ClientSampleId :

T12-G1-(2.7)

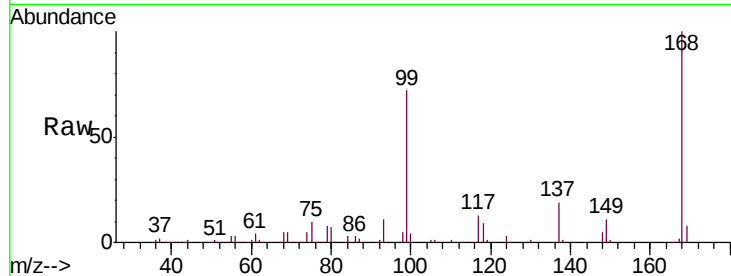
Tgt Ion:117 Resp: 18087

Ion Ratio Lower Upper

117 100

119 4.3 78.3 117.5#

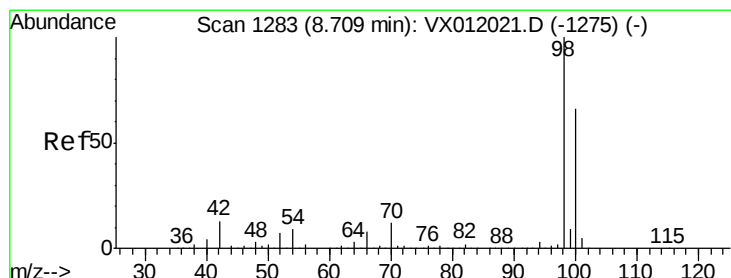
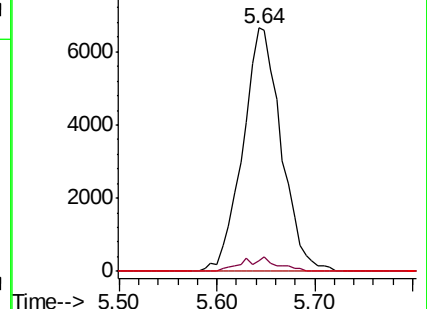
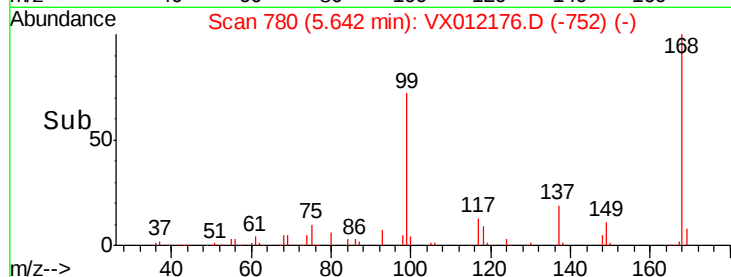
121 0.0 24.2 36.2#



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: 51.857 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VX012176.D

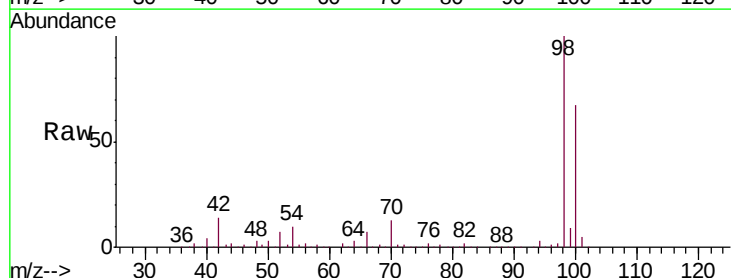
Acq: 07 Sep 2019 15:11

Tgt Ion: 98 Resp: 312937

Ion Ratio Lower Upper

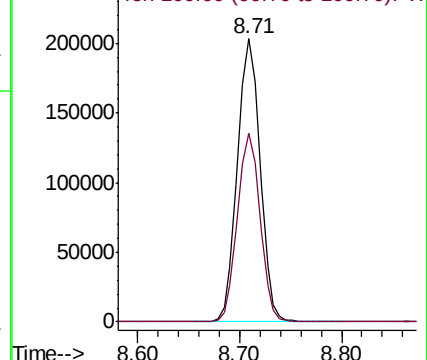
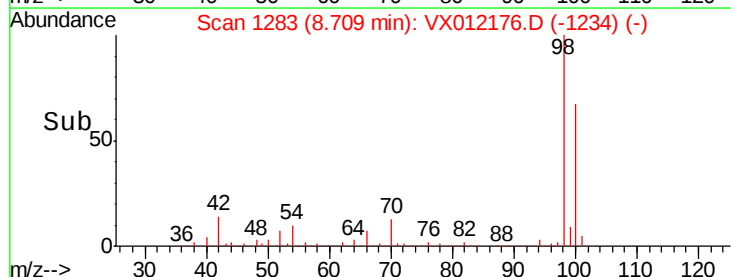
98 100

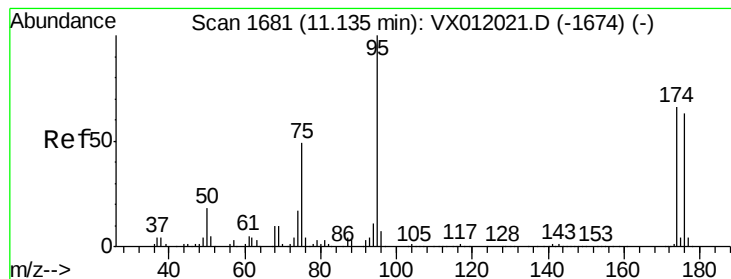
100 66.2 53.3 79.9



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 39.576 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.01 min

Lab File: VX012176.D

Acq: 07 Sep 2019 15:11

Instrument :

MSVOA_X

ClientSampled :

T12-G1-(2.7)

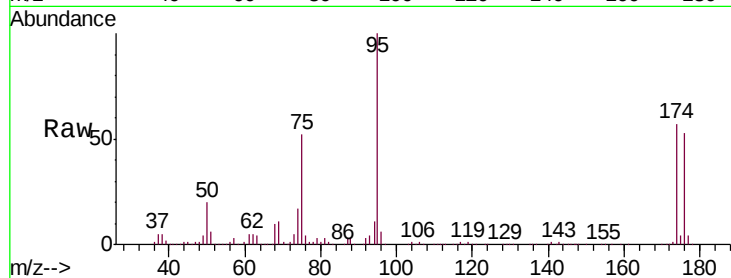
Tgt Ion: 95 Resp: 111068

Ion Ratio Lower Upper

95 100

174 63.4 0.0 205.4

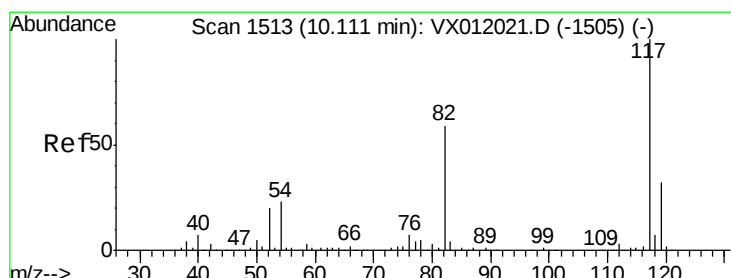
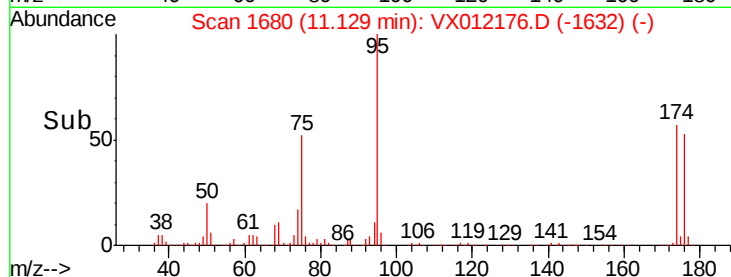
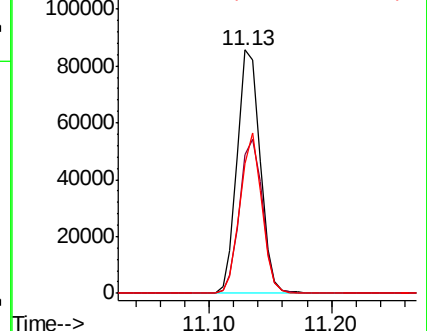
176 62.0 0.0 201.8



Abundance Ion 94.90 (94.60 to 95.60): VX012176.D (-1632) (-)

Ion 173.80 (173.50 to 174.50): VX012176.D (-1632) (-)

Ion 175.80 (175.50 to 176.50): VX012176.D (-1632) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VX012176.D

Acq: 07 Sep 2019 15:11

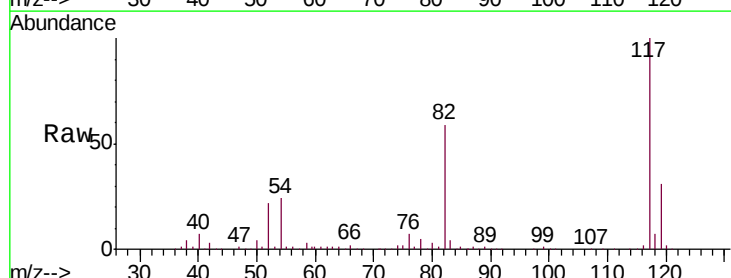
Tgt Ion: 117 Resp: 220361

Ion Ratio Lower Upper

117 100

82 59.0 39.4 59.0

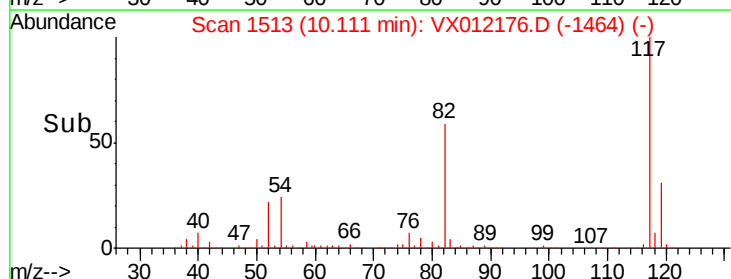
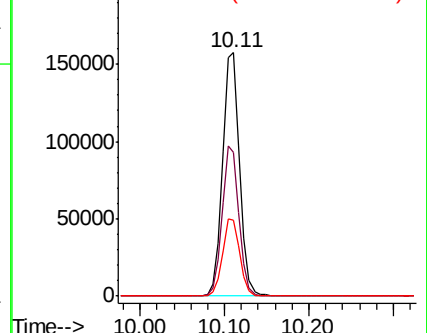
119 31.2 26.1 39.1

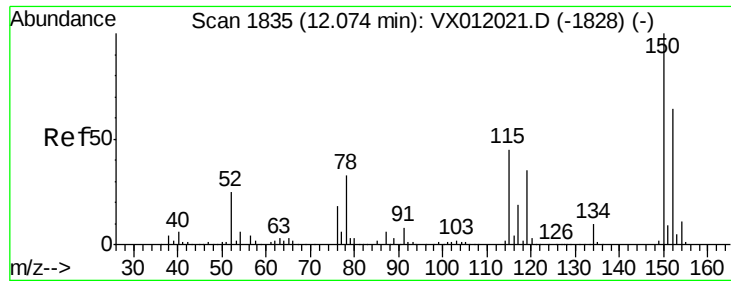


Abundance Ion 116.90 (116.60 to 117.60): VX012176.D (-1464) (-)

Ion 82.00 (81.70 to 82.70): VX012176.D (-1464) (-)

Ion 118.90 (118.60 to 119.60): VX012176.D (-1464) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VX012176.D

Acq: 07 Sep 2019 15:11

Instrument :

MSVOA_X

ClientSampled :

T12-G1-(2.7)

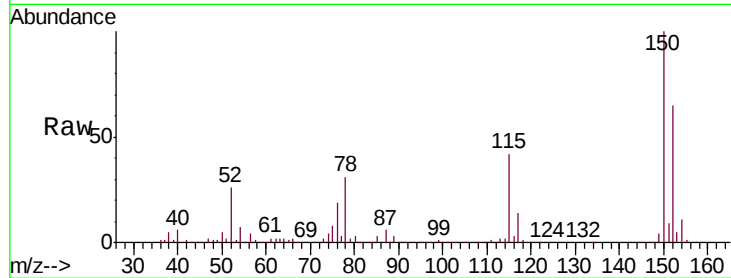
Tgt Ion:152 Resp: 78901

Ion Ratio Lower Upper

152 100

115 65.7 36.4 109.3

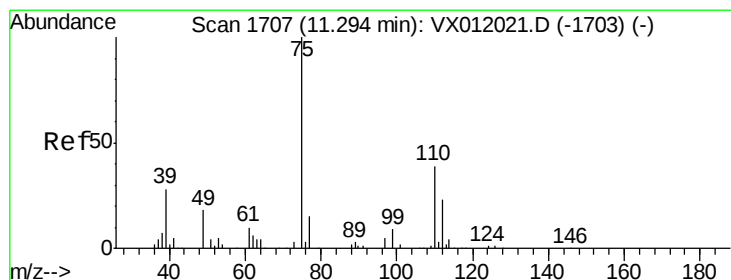
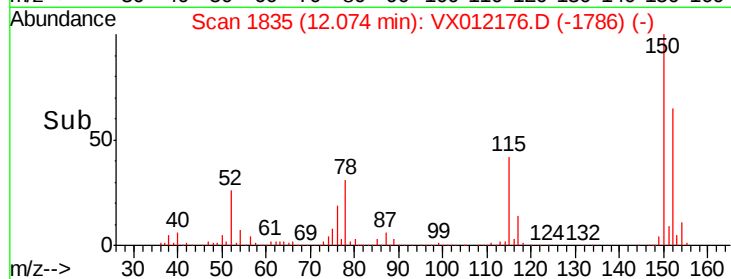
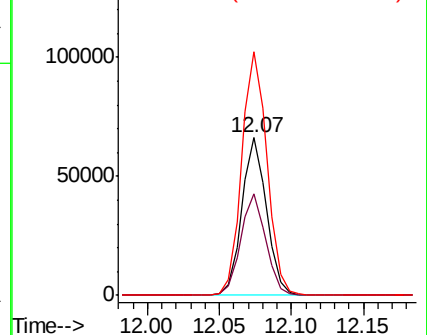
150 158.3 0.0 341.2



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: 59.241 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX012176.D

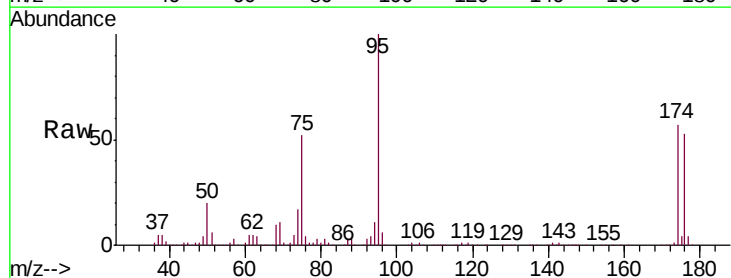
Acq: 07 Sep 2019 15:11

Tgt Ion: 75 Resp: 57111

Ion Ratio Lower Upper

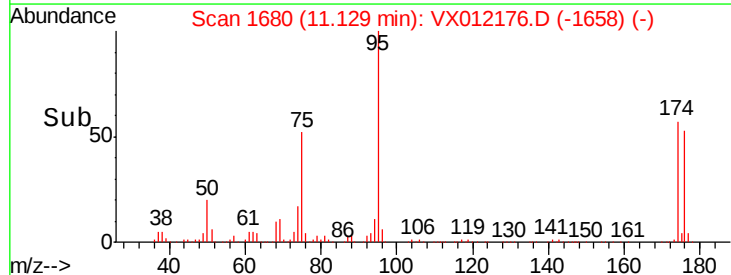
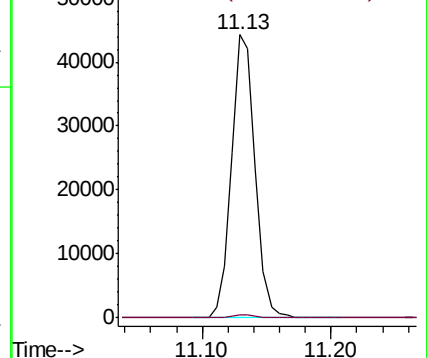
75 100

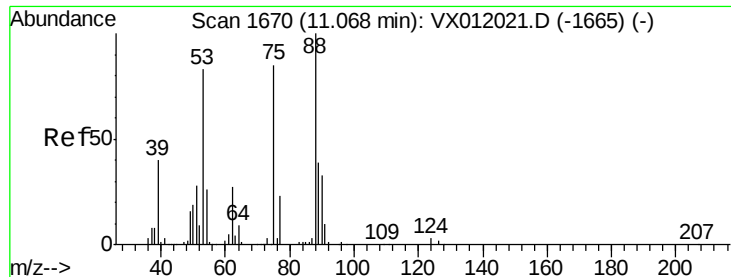
77 1.2 23.5 70.5#



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: 140.054 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX012176.D

Acq: 07 Sep 2019 15:11

Instrument :

MSVOA_X

ClientSampleId :

T12-G1-(2.7)

Tgt Ion: 75 Resp: 57111

Ion Ratio Lower Upper

75 100

53 0.1 78.6 117.8#

89 0.1 38.8 58.2#

