

Data File : VX012177.D
Acq On : 07 Sep 2019 15:39
Operator : SY/SP
Sample : K4602-05
Misc : 5.94g/5.0mL/MSVOA_X/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
T12-G2-(2.7)

Quant Time: Sep 08 07:42:43 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	152424	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	263877	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	224197	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	86473	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.04	65	105107	49.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.96%	
35) Dibromofluoromethane	5.48	113	79369	48.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.82%	
50) Toluene-d8	8.71	98	309452	51.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.94%	
62) 4-Bromofluorobenzene	11.14	95	117682	42.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.98%	

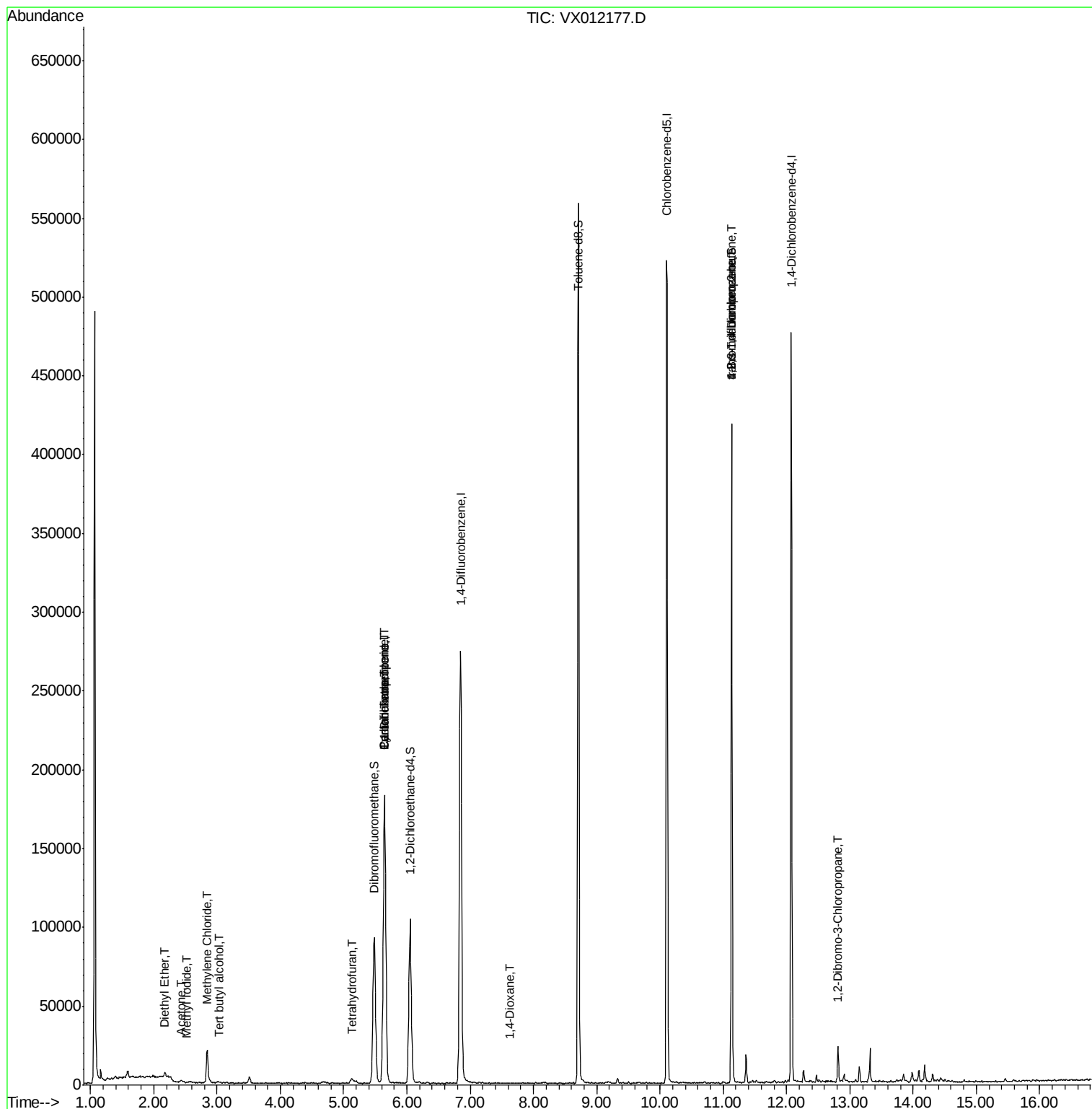
Target Compounds			Qvalue			
8) Diethyl Ether	2.18	74	916	1.260	ug/l	79
10) Methyl Iodide	2.51	142	177	7.085	ug/l #	40
11) Tert butyl alcohol	3.03	59	1006	4.980	ug/l #	84
13) Acrolein	2.27	56	305	Below Cal	#	52
16) Acetone	2.43	43	1940	3.859	ug/l #	84
20) Methylene Chloride	2.84	84	9699	4.805	ug/l	91
29) Tetrahydrofuran	5.13	42	2857	7.410	ug/l	98
31) Cyclohexane	5.65	56	4294	1.665	ug/l #	29
36) 1,1-Dichloropropene	5.65	75	13923	5.991	ug/l #	50
38) Carbon Tetrachloride	5.64	117	17654	7.209	ug/l #	15
49) 1,4-Dioxane	7.62	88	21	1.192	ug/l #	23
76) 1,2,3-Trichloropropane	11.14	75	61040	57.772	ug/l #	31
81) trans-1,4-Dichloro-2-buten	11.14	75	61040	136.582	ug/l #	10
92) 1,2-Dibromo-3-Chloropropan	12.81	75	682	2.464	ug/l #	1

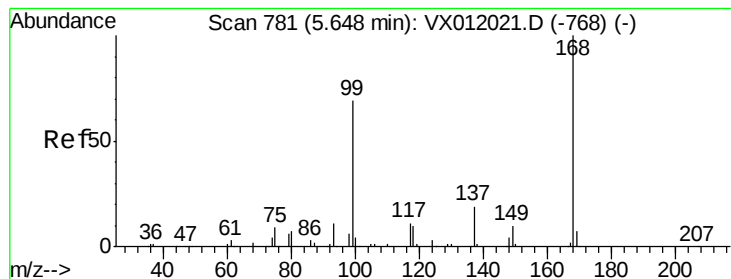
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX012177.D

Acq: 07 Sep 2019 15:39

Instrument :

MSVOA_X

ClientSampleId :

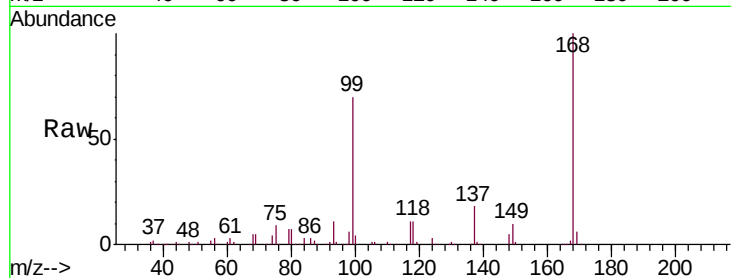
T12-G2-(2.7)

Tgt Ion:168 Resp: 152424

Ion Ratio Lower Upper

168 100

99 69.7 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

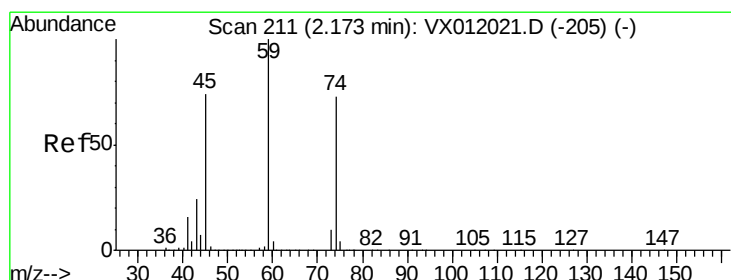
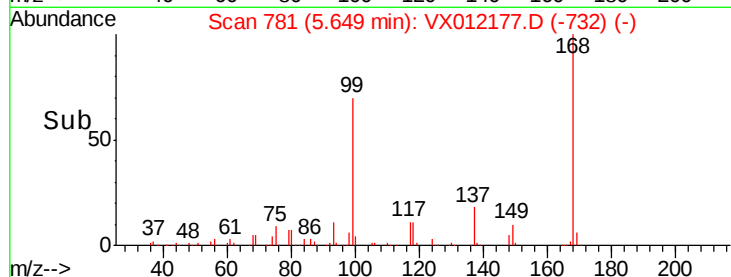
20000

10000

0

Time-->

5.50 5.60 5.70 5.80



#8

Diethyl Ether

Concen: 1.260 ug/l

RT: 2.18 min Scan# 212

Delta R.T. 0.01 min

Lab File: VX012177.D

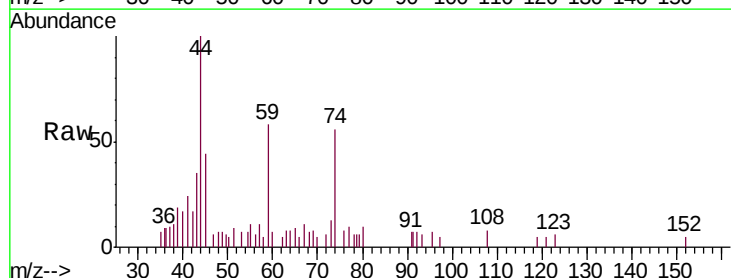
Acq: 07 Sep 2019 15:39

Tgt Ion: 74 Resp: 916

Ion Ratio Lower Upper

74 100

45 111.5 45.9 137.6



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0

800

600

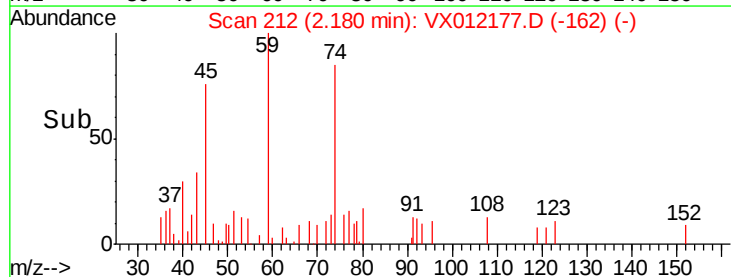
400

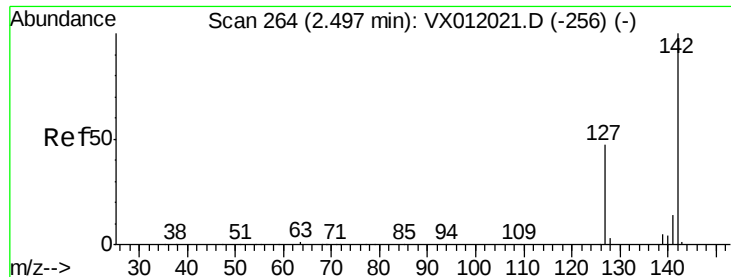
200

0

Time-->

2.15 2.20

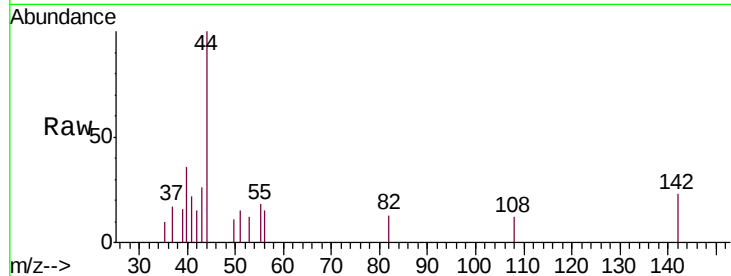




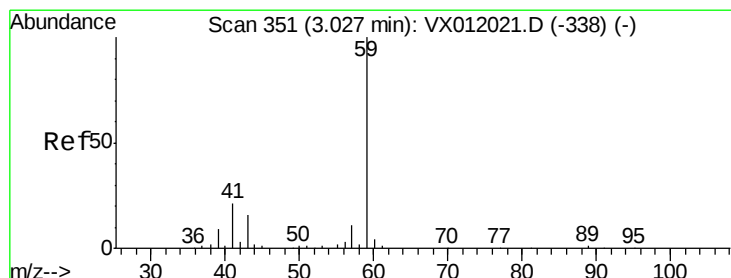
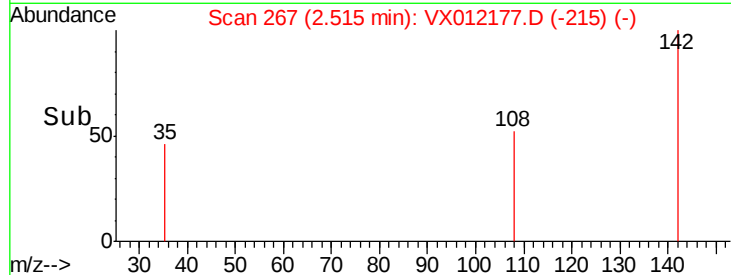
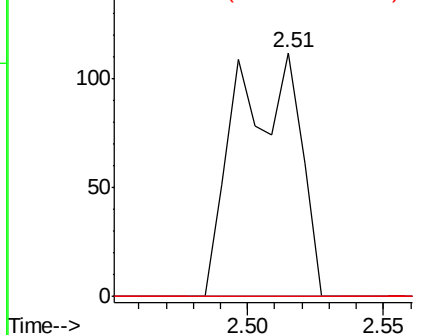
#10
Methyl Iodide
Concen: 7.085 ug/l
RT: 2.51 min Scan# 267
Delta R.T. 0.02 min
Lab File: VX012177.D
Acq: 07 Sep 2019 15:39

Instrument :
MSVOA_X
ClientSampleId :
T12-G2-(2.7)

Tgt Ion: 142 Resp: 177
Ion Ratio Lower Upper
142 100
127 0.0 35.4 53.2#
141 0.0 11.4 17.2#

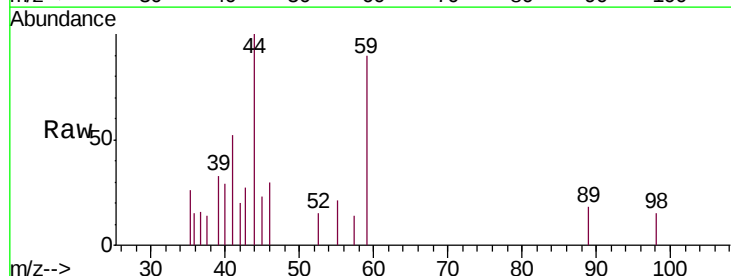


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

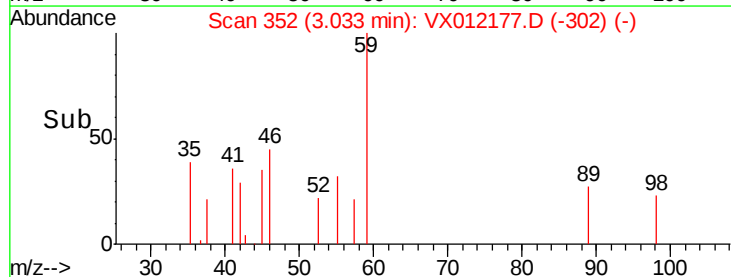
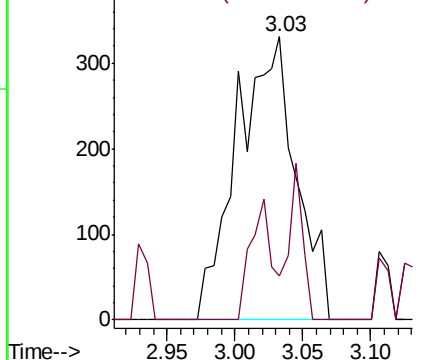


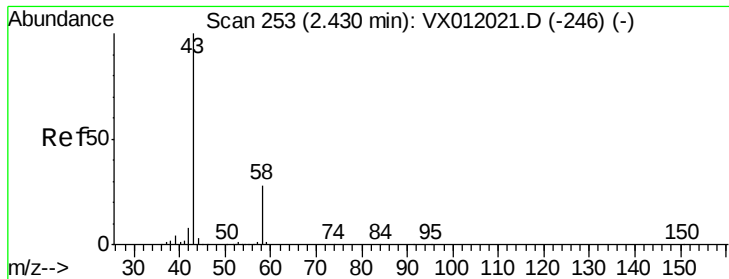
#11
Tert butyl alcohol
Concen: 4.980 ug/l
RT: 3.03 min Scan# 352
Delta R.T. 0.01 min
Lab File: VX012177.D
Acq: 07 Sep 2019 15:39

Tgt Ion: 59 Resp: 1006
Ion Ratio Lower Upper
59 100
57 15.8 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: 3.859 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.00 min

Lab File: VX012177.D

Acq: 07 Sep 2019 15:39

Instrument :

MSVOA_X

ClientSampleId :

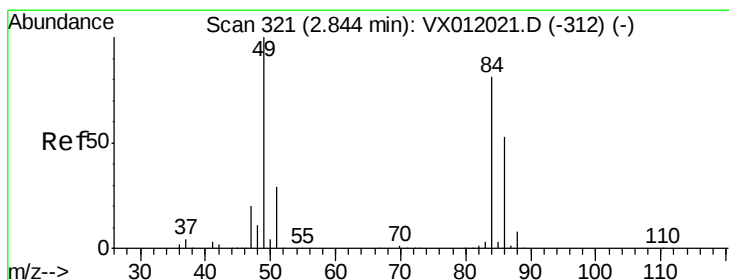
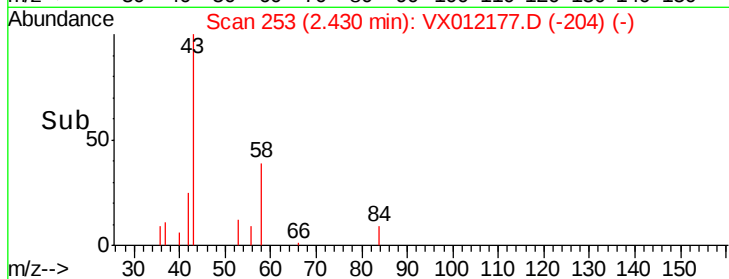
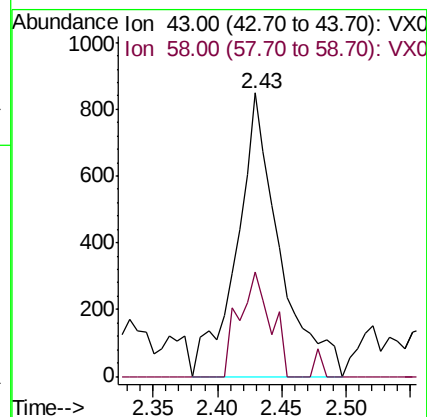
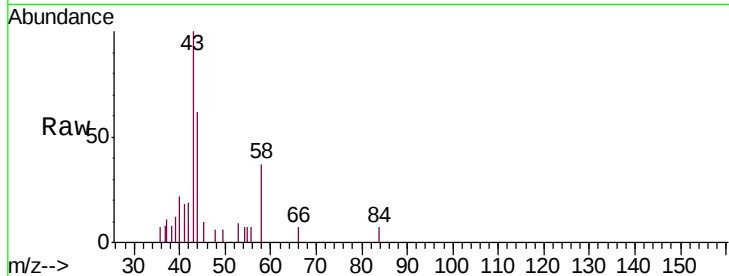
T12-G2-(2.7)

Tgt Ion: 43 Resp: 1940

Ion Ratio Lower Upper

43 100

58 36.9 22.8 34.2#



#20

Methylene Chloride

Concen: 4.805 ug/l

RT: 2.84 min Scan# 321

Delta R.T. -0.00 min

Lab File: VX012177.D

Acq: 07 Sep 2019 15:39

Tgt Ion: 84 Resp: 9699

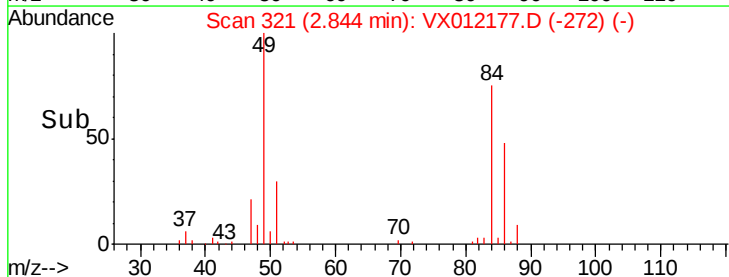
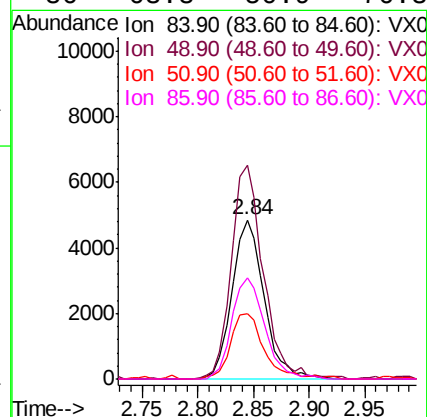
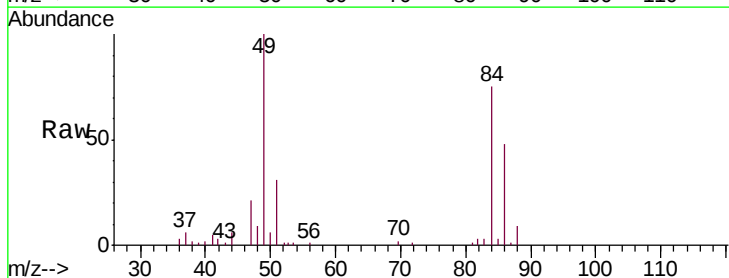
Ion Ratio Lower Upper

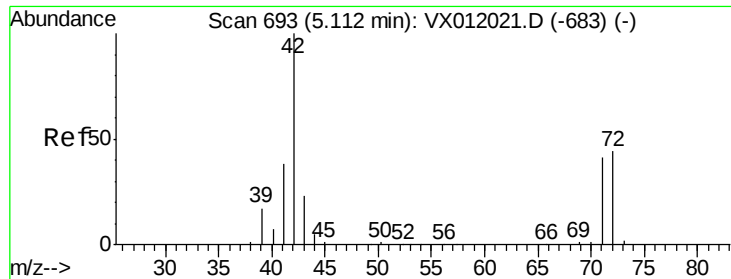
84 100

49 134.1 95.8 143.8

51 41.4 28.6 43.0

86 63.8 50.9 76.3

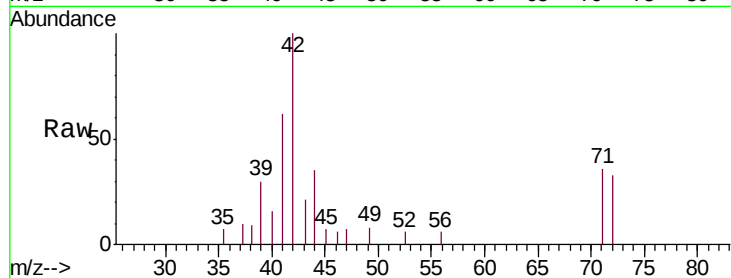




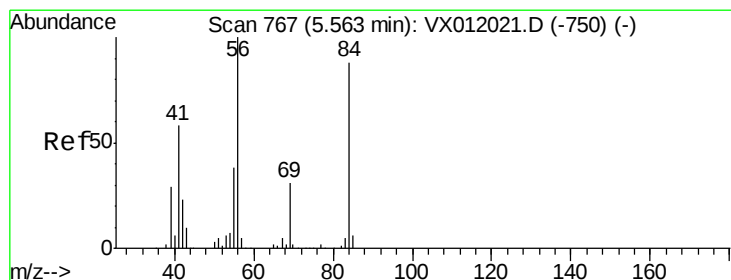
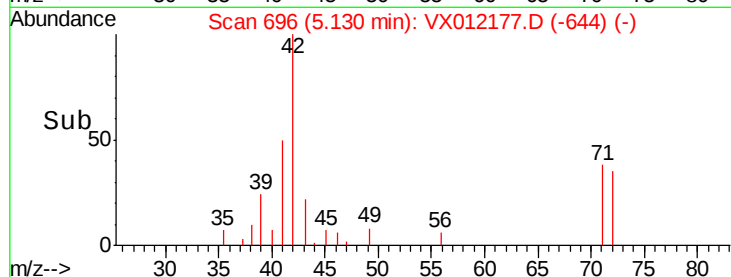
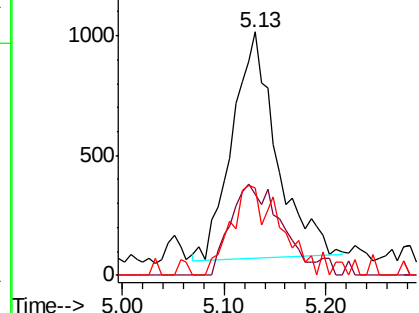
#29
Tetrahydrofuran
Concen: 7.410 ug/l
RT: 5.13 min Scan# 696
Delta R.T. 0.02 min
Lab File: VX012177.D
Acq: 07 Sep 2019 15:39

Instrument :
MSVOA_X
ClientSampled :
T12-G2-(2.7)

Tgt Ion: 42 Resp: 2857
Ion Ratio Lower Upper
42 100
72 45.2 37.0 55.4
71 44.0 33.8 50.8

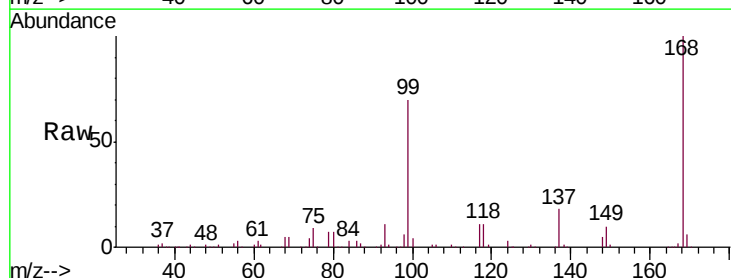


Abundance Ion 42.00 (41.70 to 42.70): VX0
Ion 72.00 (71.70 to 72.70): VX0
Ion 71.00 (70.70 to 71.70): VX0

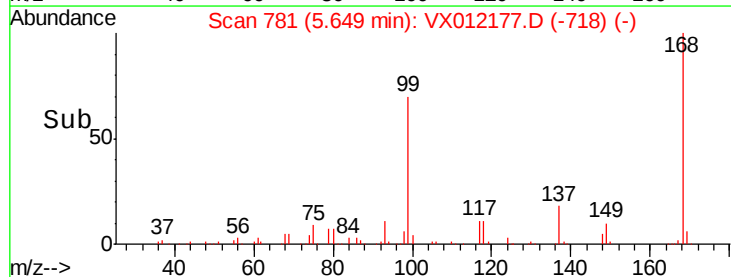
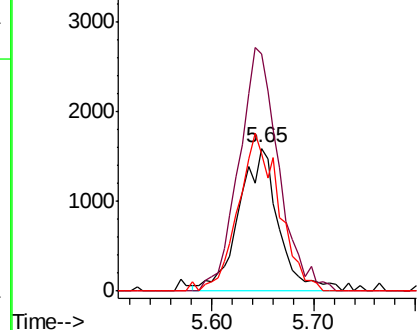


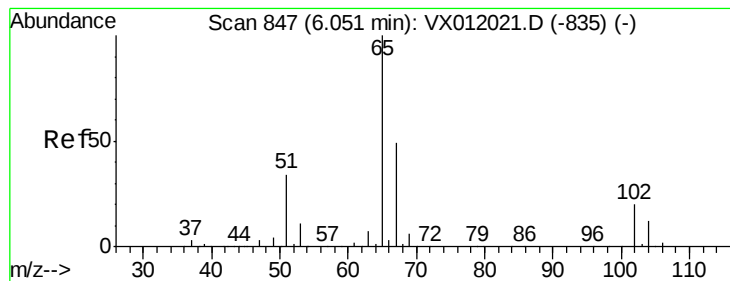
#31
Cyclohexane
Concen: 1.665 ug/l
RT: 5.65 min Scan# 781
Delta R.T. 0.09 min
Lab File: VX012177.D
Acq: 07 Sep 2019 15:39

Tgt Ion: 56 Resp: 4294
Ion Ratio Lower Upper
56 100
69 166.4 25.7 38.5#
84 96.3 70.3 105.5



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: 49.976 ug/l

RT: 6.04 min Scan# 846

Delta R.T. -0.01 min

Lab File: VX012177.D

Acq: 07 Sep 2019 15:39

Instrument :

MSVOA_X

ClientSampleId :

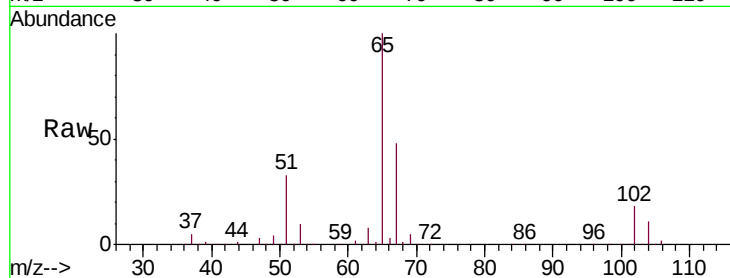
T12-G2-(2.7)

Tgt Ion: 65 Resp: 105107

Ion Ratio Lower Upper

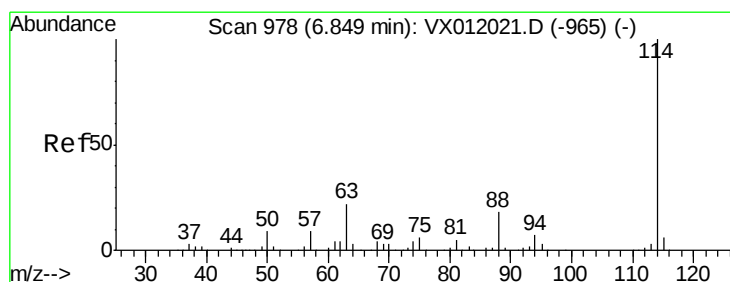
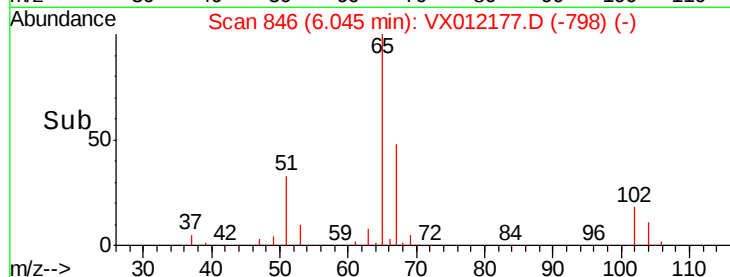
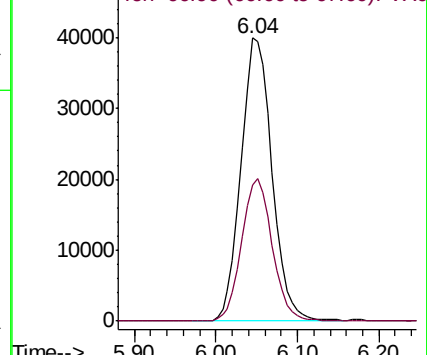
65 100

67 49.8 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: VX012177.D

Acq: 07 Sep 2019 15:39

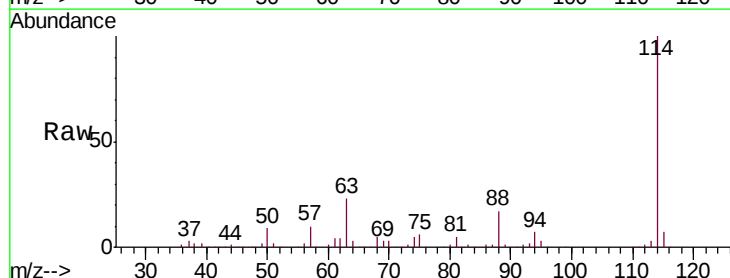
Tgt Ion: 114 Resp: 263877

Ion Ratio Lower Upper

114 100

63 23.1 0.0 37.4

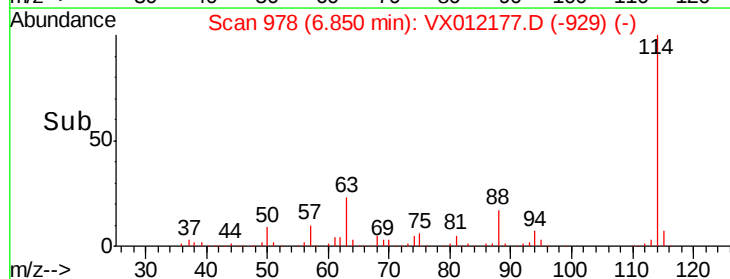
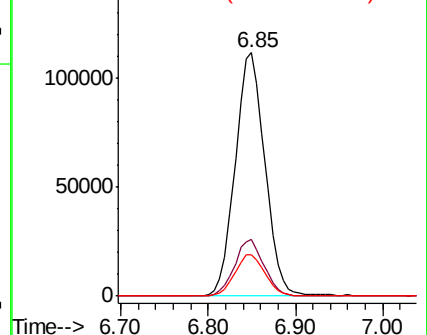
88 17.2 0.0 29.6

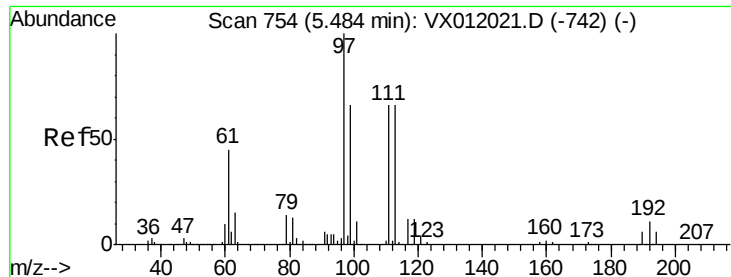


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

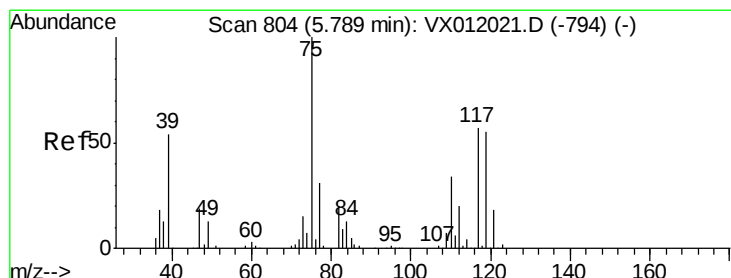
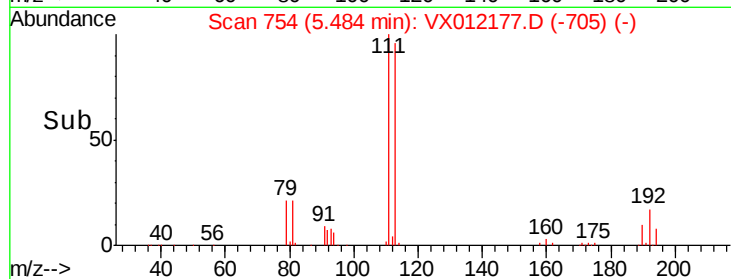
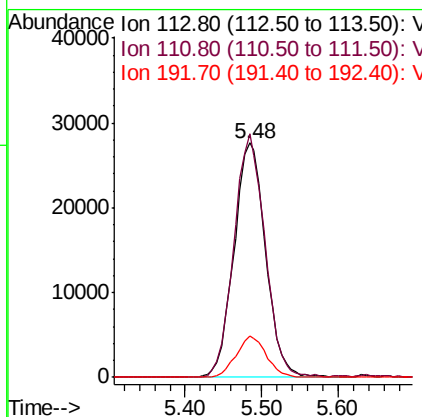
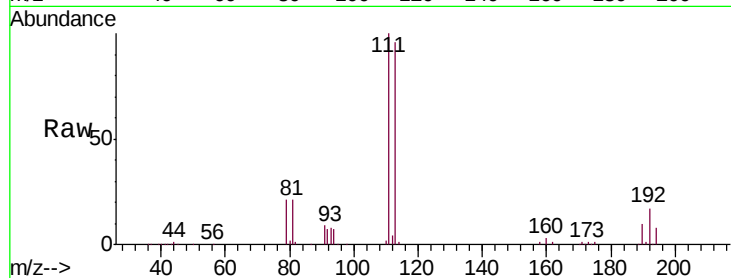




#35
 Dibromofluoromethane
 Concen: 48.910 ug/l
 RT: 5.48 min Scan# 754
 Delta R.T. -0.00 min
 Lab File: VX012177.D
 Acq: 07 Sep 2019 15:39

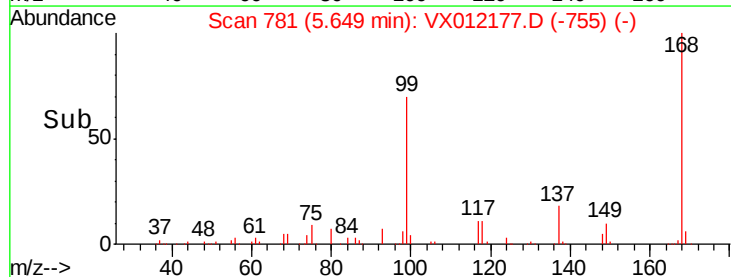
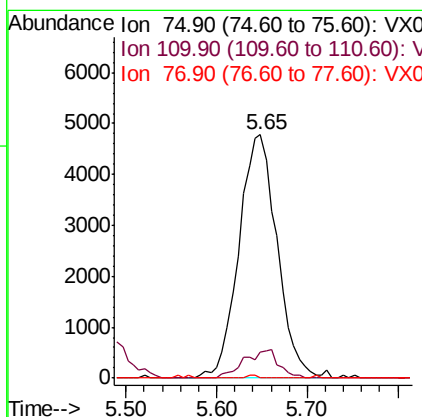
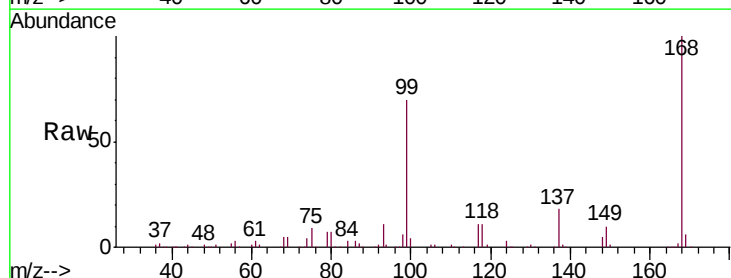
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 T12-G2-(2.7)

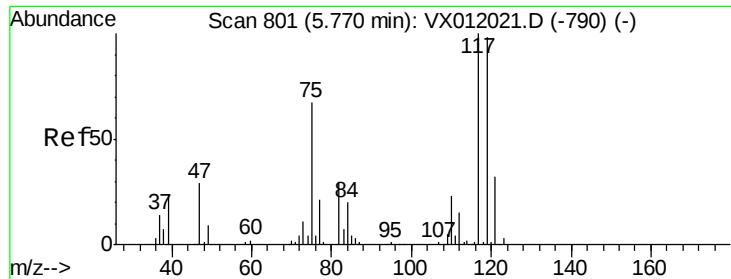
Tgt Ion:113 Resp: 79369
 Ion Ratio Lower Upper
 113 100
 111 101.8 81.7 122.5
 192 16.8 22.5 33.7#



#36
 1,1-Dichloropropene
 Concen: 5.991 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.14 min
 Lab File: VX012177.D
 Acq: 07 Sep 2019 15:39

Tgt Ion: 75 Resp: 13923
 Ion Ratio Lower Upper
 75 100
 110 10.7 19.5 58.5#
 77 0.3 24.6 37.0#





#38

Carbon Tetrachloride

Concen: 7.209 ug/l

RT: 5.64 min Scan# 780

Delta R.T. -0.13 min

Lab File: VX012177.D

Acq: 07 Sep 2019 15:39

Instrument :

MSVOA_X

ClientSampled :

T12-G2-(2.7)

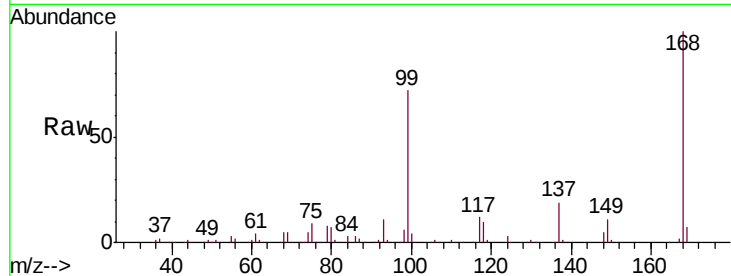
Tgt Ion:117 Resp: 17654

Ion Ratio Lower Upper

117 100

119 5.6 78.3 117.5#

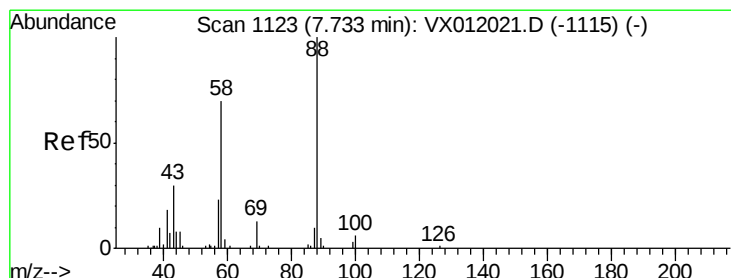
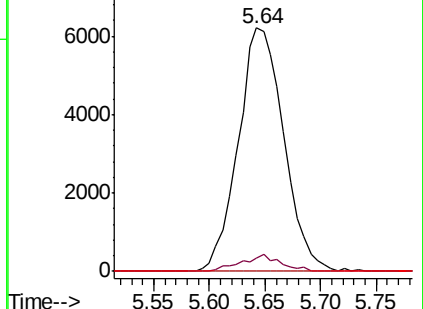
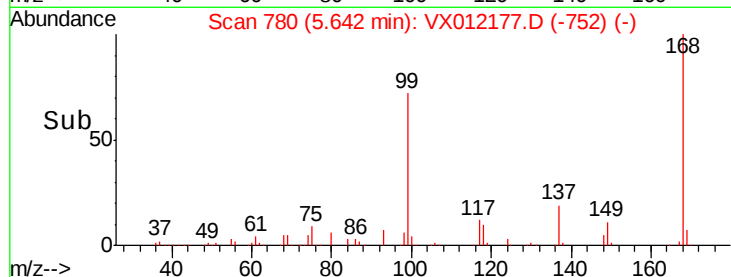
121 0.0 24.2 36.2#



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: 1.192 ug/l

RT: 7.62 min Scan# 1105

Delta R.T. -0.10 min

Lab File: VX012177.D

Acq: 07 Sep 2019 15:39

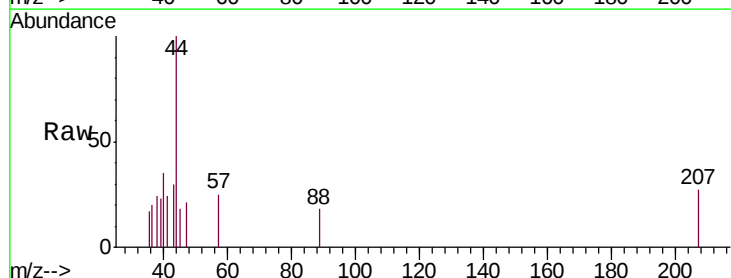
Tgt Ion: 88 Resp: 21

Ion Ratio Lower Upper

88 100

43 0.0 29.8 44.6#

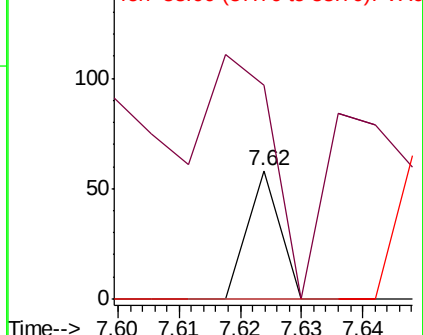
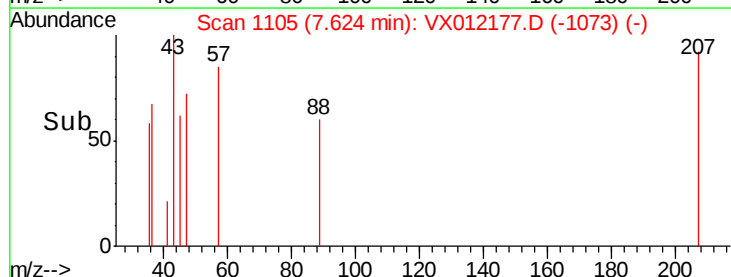
58 0.0 55.4 83.2#

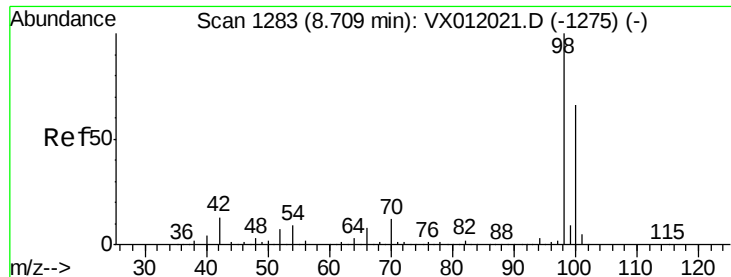


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 51.967 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VX012177.D

Acq: 07 Sep 2019 15:39

Instrument :

MSVOA_X

ClientSampleId :

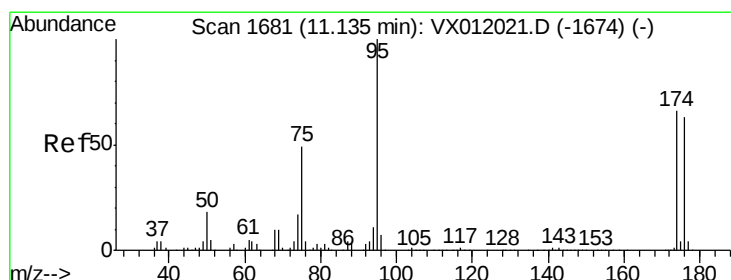
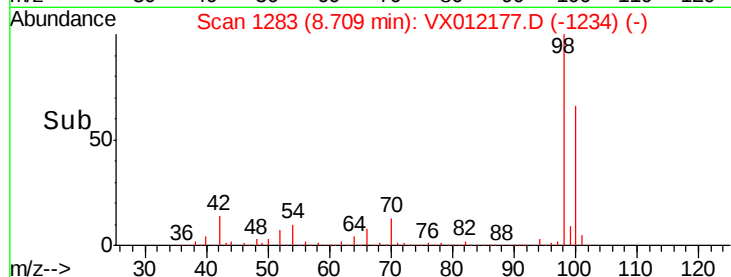
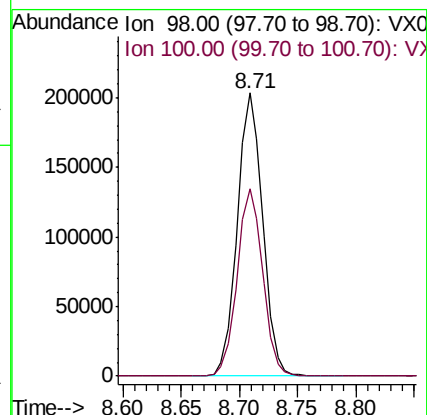
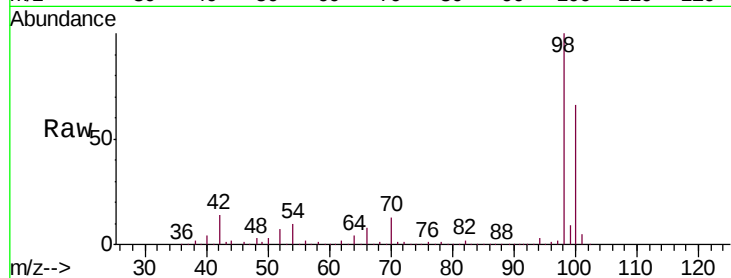
T12-G2-(2.7)

Tgt Ion: 98 Resp: 309452

Ion Ratio Lower Upper

98 100

100 66.6 53.3 79.9



#62

4-Bromofluorobenzene

Concen: 42.495 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.00 min

Lab File: VX012177.D

Acq: 07 Sep 2019 15:39

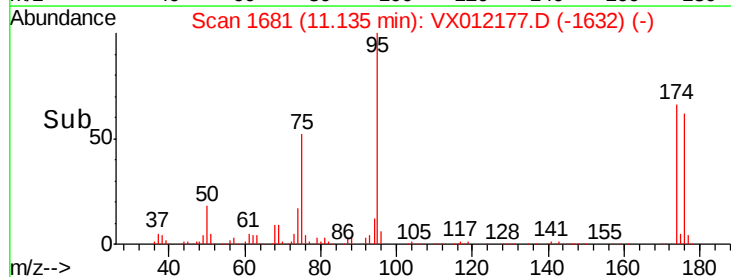
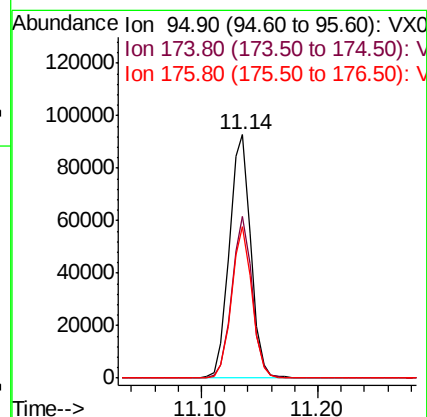
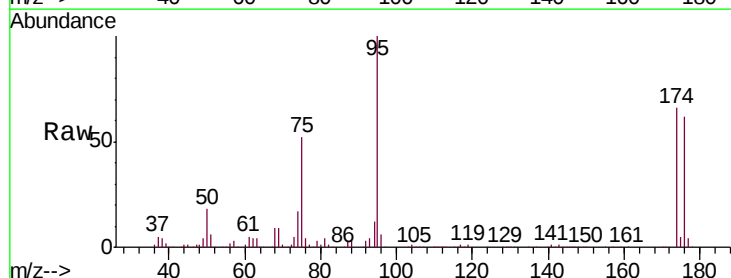
Tgt Ion: 95 Resp: 117682

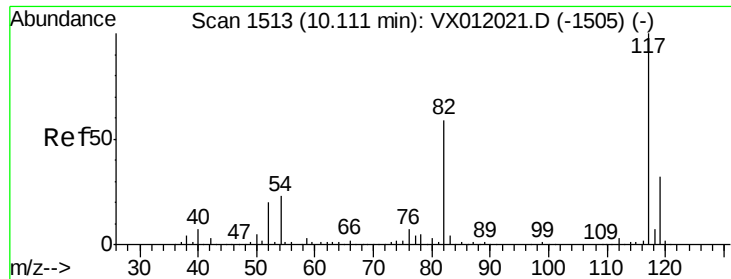
Ion Ratio Lower Upper

95 100

174 63.4 0.0 205.4

176 59.8 0.0 201.8

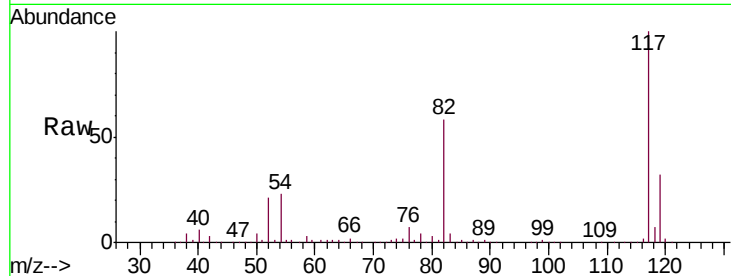




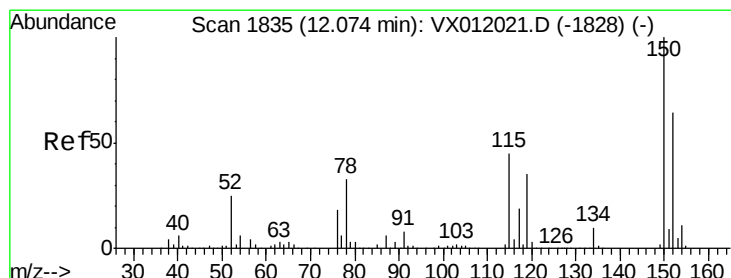
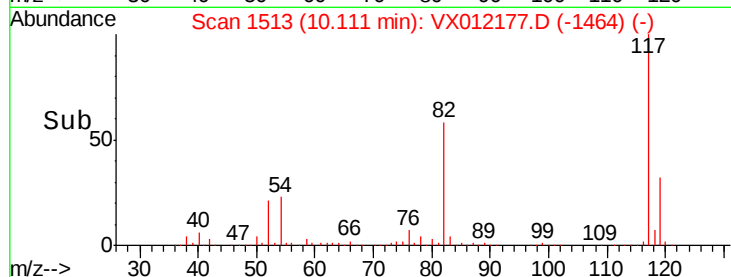
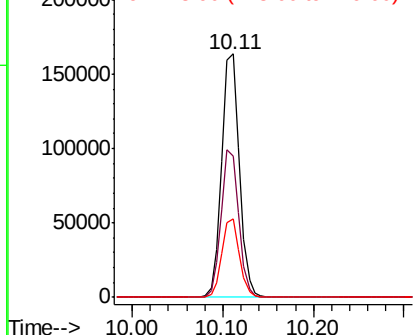
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX012177.D
Acq: 07 Sep 2019 15:39

Instrument :
MSVOA_X
ClientSampleId :
T12-G2-(2.7)

Tgt Ion:117 Resp: 224197
Ion Ratio Lower Upper
117 100
82 58.0 39.4 59.0
119 32.2 26.1 39.1

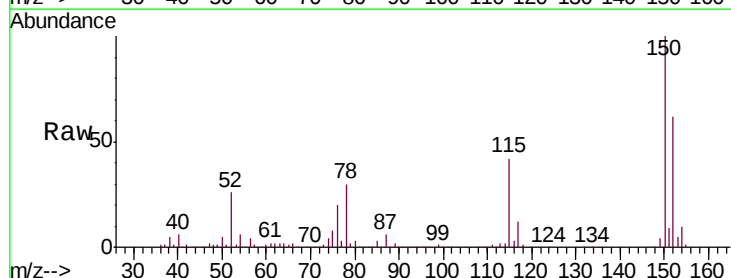


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

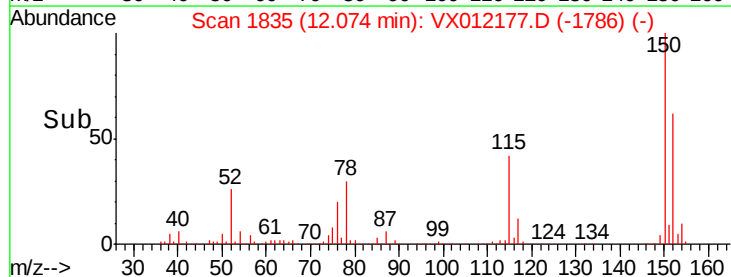
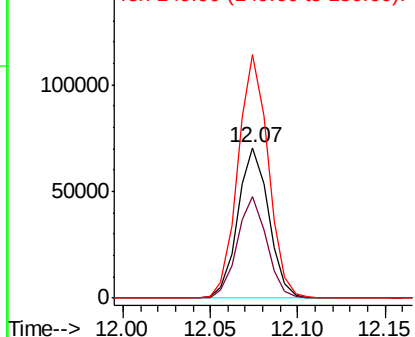


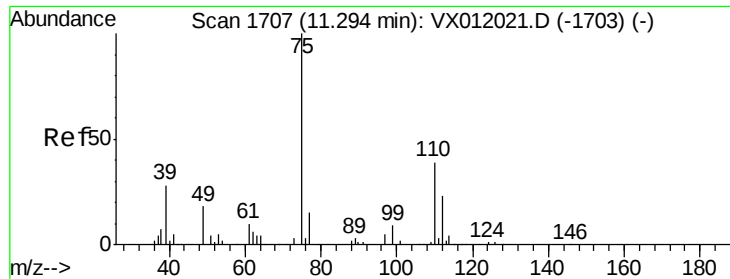
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX012177.D
Acq: 07 Sep 2019 15:39

Tgt Ion:152 Resp: 86473
Ion Ratio Lower Upper
152 100
115 65.2 36.4 109.3
150 159.4 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

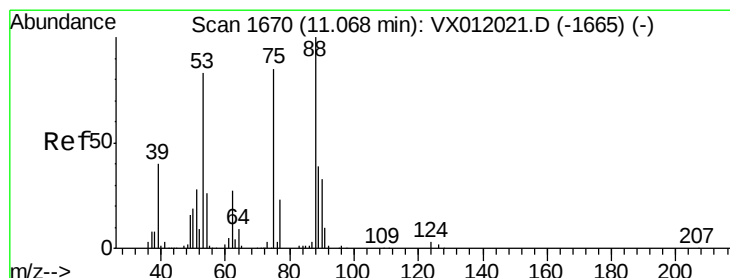
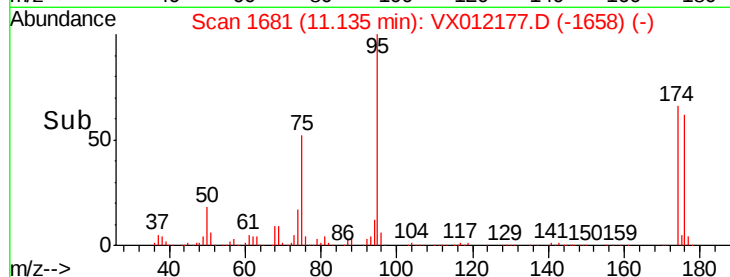
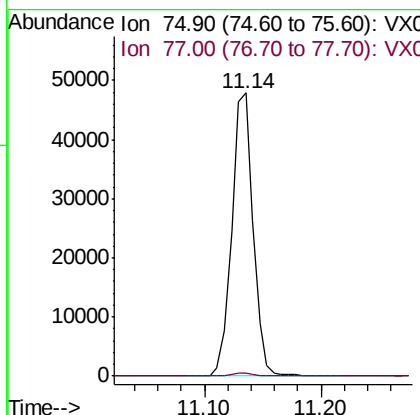
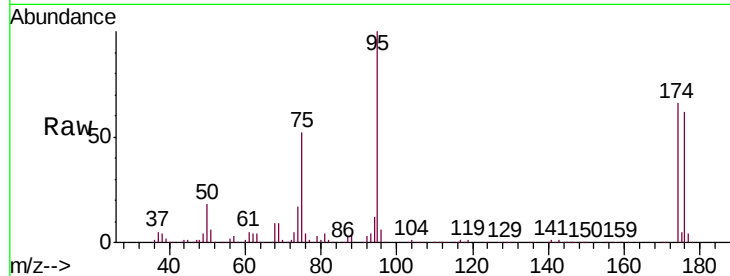




#76
 1,2,3-Trichloropropane
 Concen: 57.772 ug/l
 RT: 11.14 min Scan# 1681
 Delta R.T. -0.16 min
 Lab File: VX012177.D
 Acq: 07 Sep 2019 15:39

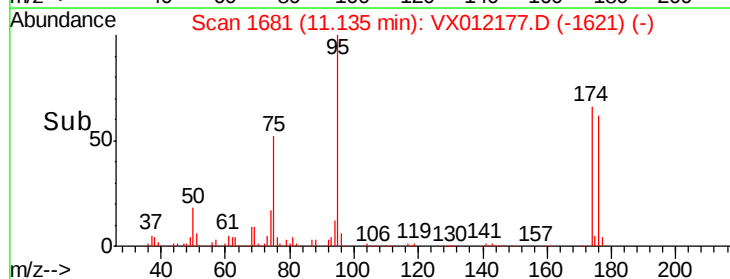
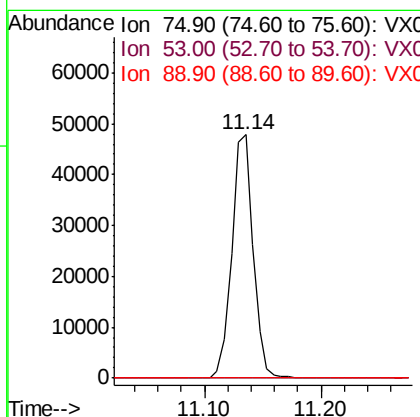
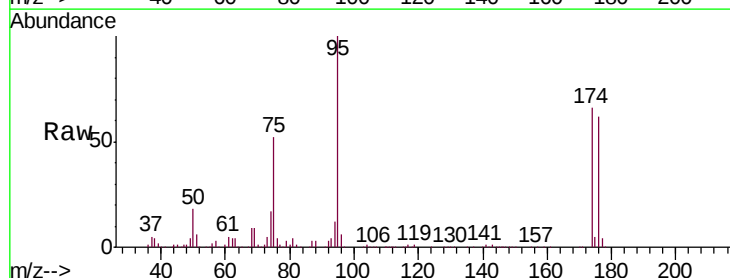
Instrument :
 MSVOA_X
 ClientSampled :
 T12-G2-(2.7)

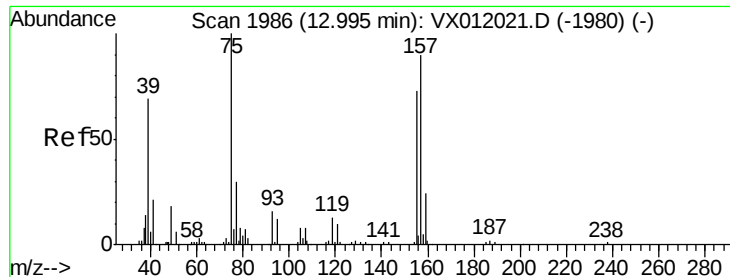
Tgt Ion: 75 Resp: 61040
 Ion Ratio Lower Upper
 75 100
 77 1.2 23.5 70.5#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 136.582 ug/l
 RT: 11.14 min Scan# 1681
 Delta R.T. 0.07 min
 Lab File: VX012177.D
 Acq: 07 Sep 2019 15:39

Tgt Ion: 75 Resp: 61040
 Ion Ratio Lower Upper
 75 100
 53 0.1 78.6 117.8#
 89 0.0 38.8 58.2#





#92

1,2-Dibromo-3-Chloropropane

Concen: 2.464 ug/l

RT: 12.81 min Scan# 1956

Delta R.T. -0.18 min

Lab File: VX012177.D

Acq: 07 Sep 2019 15:39

Instrument :

MSVOA_X

ClientSampleId :

T12-G2-(2.7)

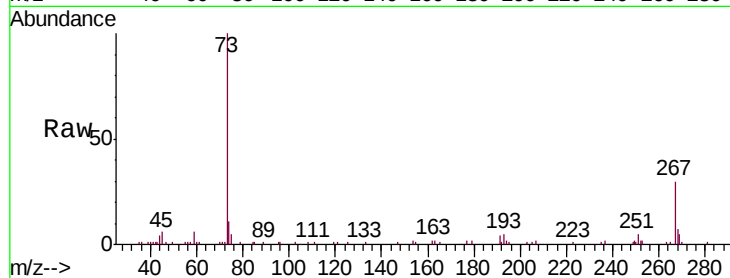
Tgt Ion: 75 Resp: 682

Ion Ratio Lower Upper

75 100

155 14.8 51.7 155.2#

157 0.0 66.9 200.7#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

