

Data File : VX012178.D
Acq On : 07 Sep 2019 16:07
Operator : SY/SP
Sample : K4602-06
Misc : 5.13g/5.0mL/MSVOA_X/SOIL
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
T12-G3-(2.7)

Quant Time: Sep 08 07:42:59 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	5.64	168	149122	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	253826	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	216548	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	88129	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.05	65	100673	48.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.86%	
35) Dibromofluoromethane	5.48	113	75745	48.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.04%	
50) Toluene-d8	8.71	98	300919	52.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.06%	
62) 4-Bromofluorobenzene	11.14	95	112235	42.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.26%	

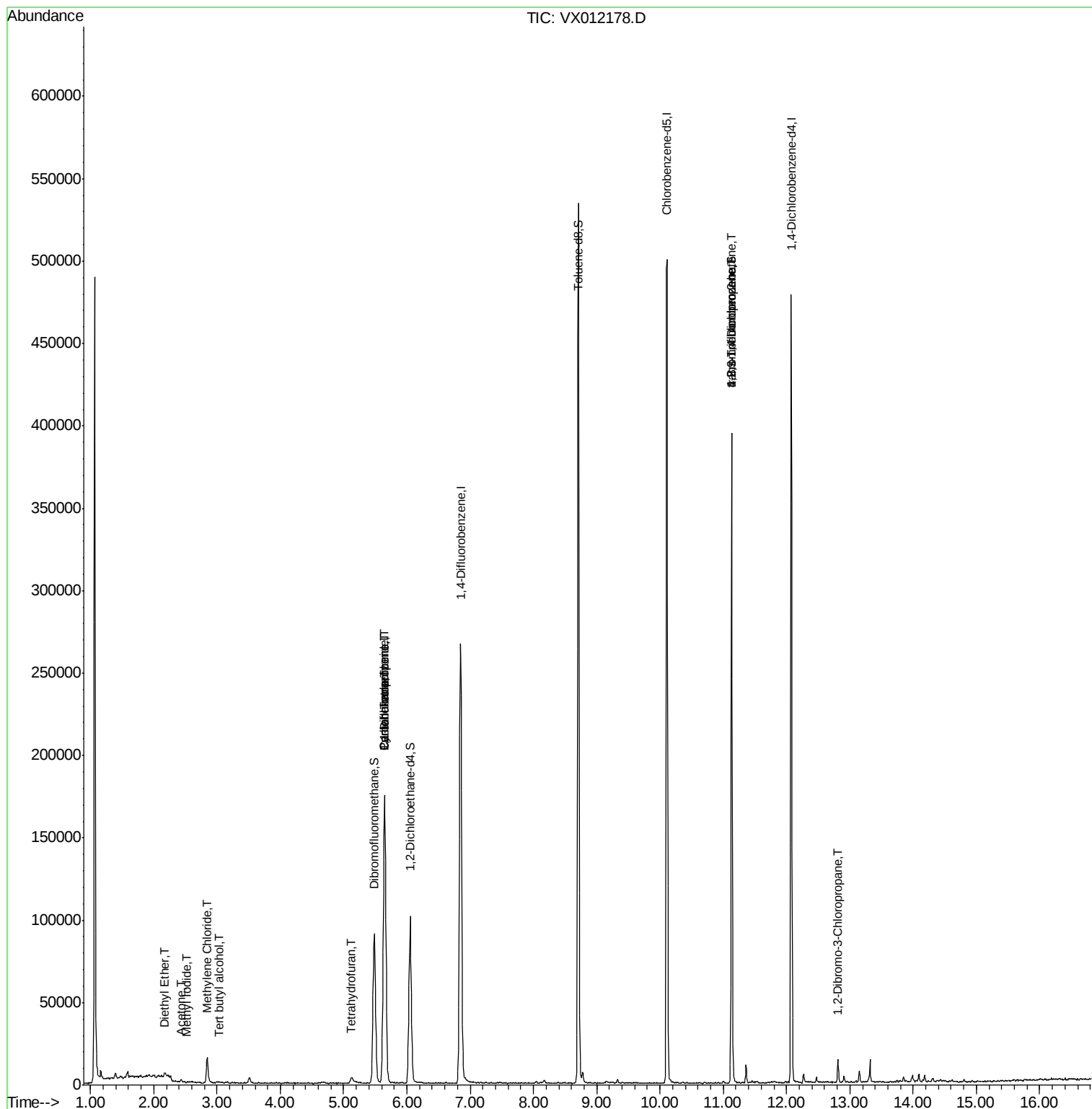
Target Compounds			Qvalue			
8) Diethyl Ether	2.17	74	763	1.073	ug/l	71
10) Methyl Iodide	2.52	142	19	6.999	ug/l #	40
11) Tert butyl alcohol	3.02	59	679	3.436	ug/l #	75
13) Acrolein	2.31	56	30	Below Cal	#	38
16) Acetone	2.43	43	1561	3.174	ug/l #	80
20) Methylene Chloride	2.84	84	6864	3.476	ug/l	90
29) Tetrahydrofuran	5.12	42	3779	10.019	ug/l #	75
31) Cyclohexane	5.64	56	4167	1.652	ug/l #	1
36) 1,1-Dichloropropene	5.65	75	13632	6.098	ug/l #	49
38) Carbon Tetrachloride	5.65	117	17501	7.429	ug/l #	14
76) 1,2,3-Trichloropropane	11.13	75	59135	54.917	ug/l #	32
81) trans-1,4-Dichloro-2-buten	11.13	75	59135	129.833	ug/l #	10
92) 1,2-Dibromo-3-Chloropropan	12.81	75	461	1.634	ug/l #	1

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

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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: 5.64 min Scan# 780

Delta R.T. -0.01 min

Lab File: VX012178.D

Acq: 07 Sep 2019 16:07

Instrument :

MSVOA_X

ClientSampleId :

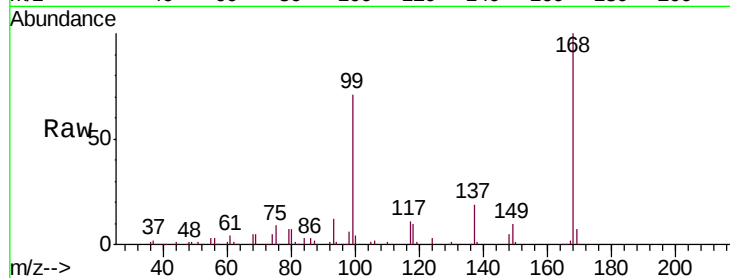
T12-G3-(2.7)

Tgt Ion:168 Resp: 149122

Ion Ratio Lower Upper

168 100

99 71.2 37.6 56.4#



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

60000

50000

40000

30000

20000

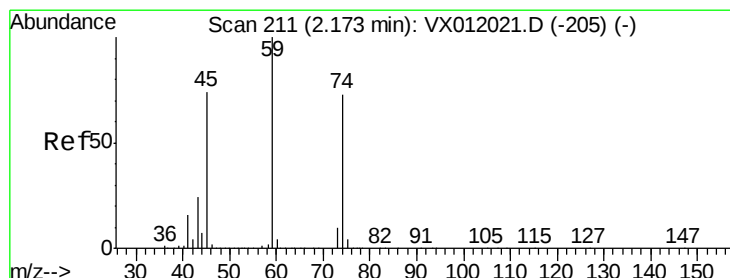
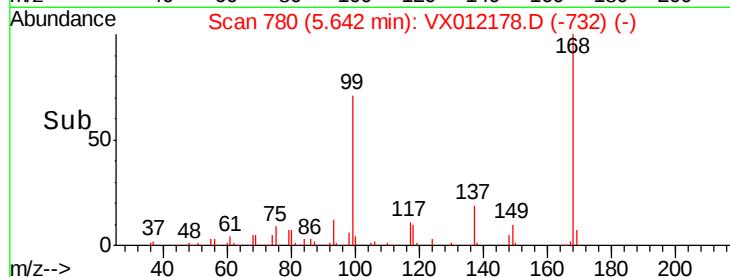
10000

0

Time-->

5.50 5.60 5.70 5.80

5.64



#8

Diethyl Ether

Concen: 1.073 ug/l

RT: 2.17 min Scan# 211

Delta R.T. -0.00 min

Lab File: VX012178.D

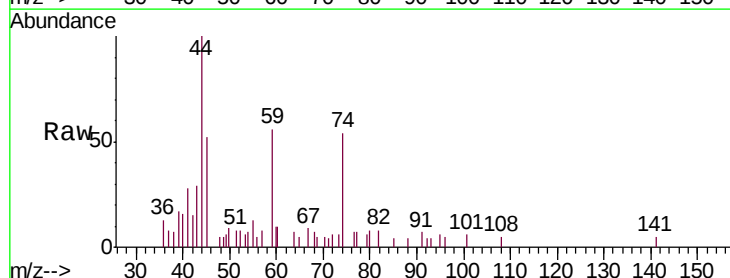
Acq: 07 Sep 2019 16:07

Tgt Ion: 74 Resp: 763

Ion Ratio Lower Upper

74 100

45 119.4 45.9 137.6



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0

600

400

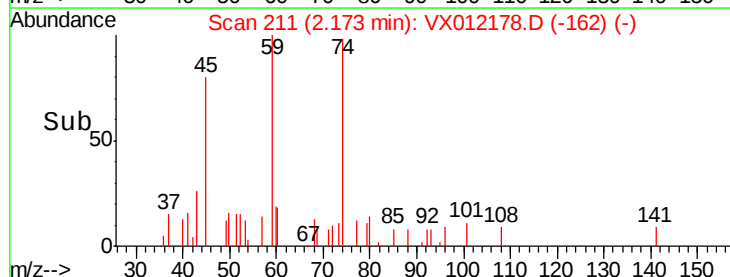
200

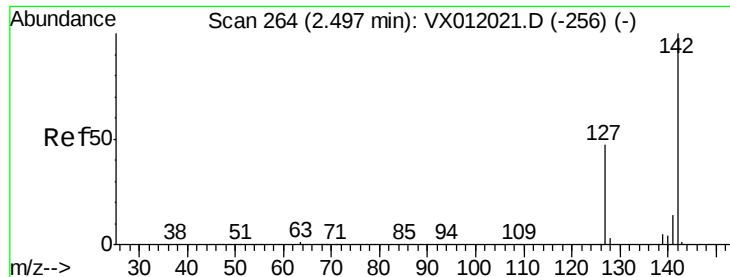
0

Time-->

2.15 2.20

2.17

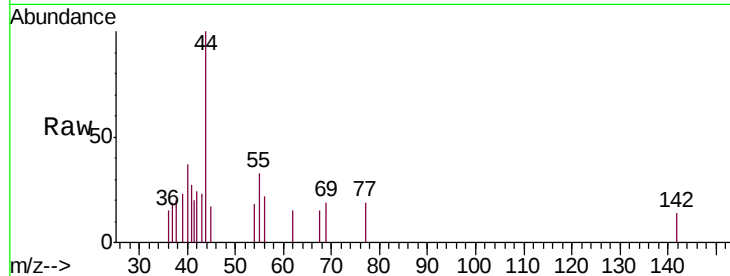




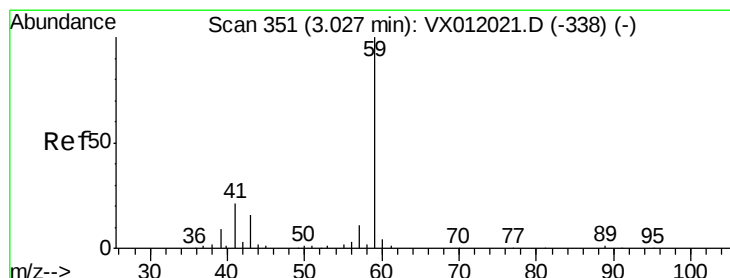
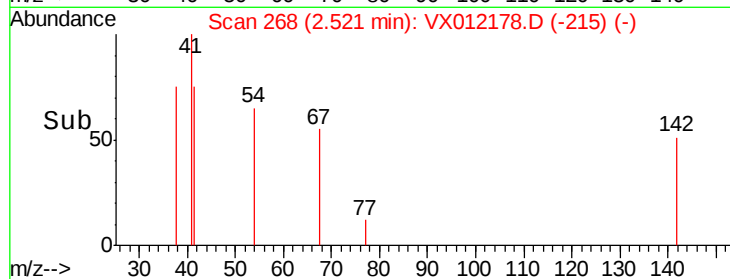
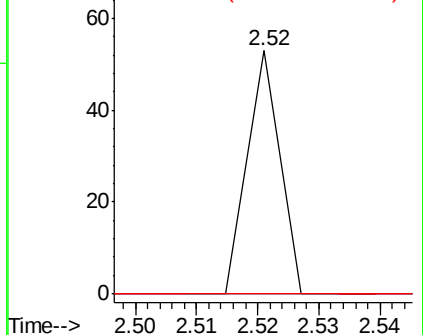
#10
Methyl Iodide
Concen: 6.999 ug/l
RT: 2.52 min Scan# 268
Delta R.T. 0.02 min
Lab File: VX012178.D
Acq: 07 Sep 2019 16:07

Instrument :
MSVOA_X
ClientSampleId :
T12-G3-(2.7)

Tgt Ion: 142 Resp: 19
Ion Ratio Lower Upper
142 100
127 0.0 35.4 53.2#
141 0.0 11.4 17.2#

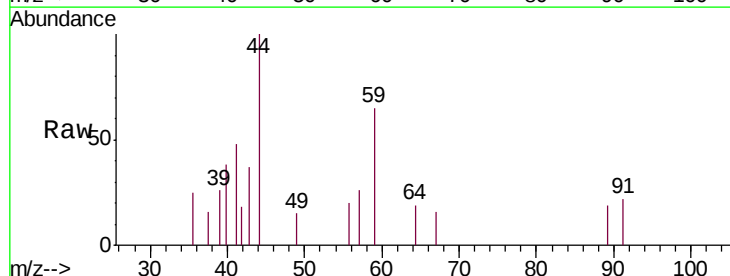


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

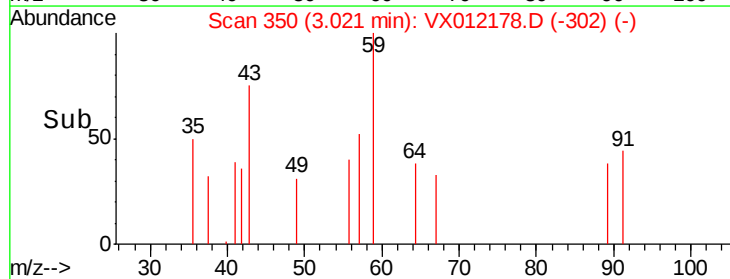
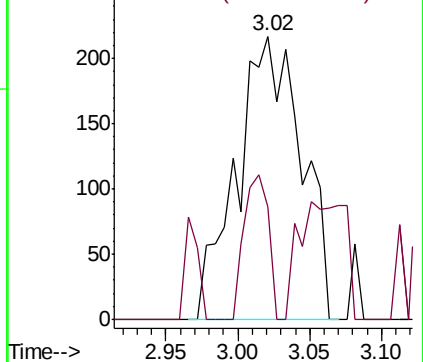


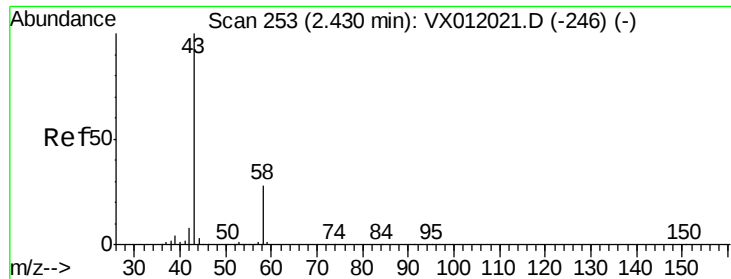
#11
Tert butyl alcohol
Concen: 3.436 ug/l
RT: 3.02 min Scan# 350
Delta R.T. -0.01 min
Lab File: VX012178.D
Acq: 07 Sep 2019 16:07

Tgt Ion: 59 Resp: 679
Ion Ratio Lower Upper
59 100
57 19.1 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: 3.174 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.00 min

Lab File: VX012178.D

Acq: 07 Sep 2019 16:07

Instrument :

MSVOA_X

ClientSampleId :

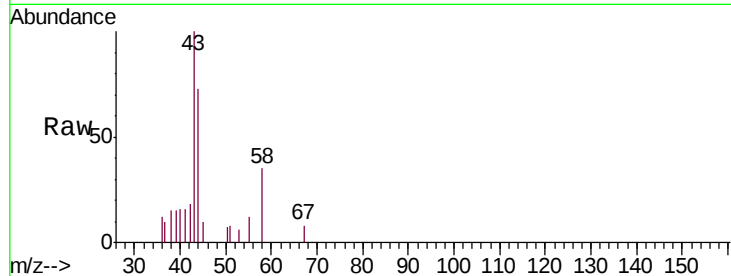
T12-G3-(2.7)

Tgt Ion: 43 Resp: 1561

Ion Ratio Lower Upper

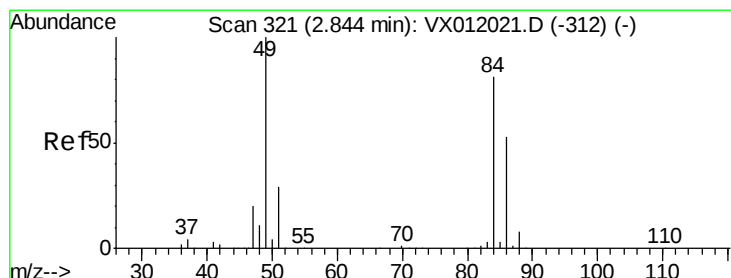
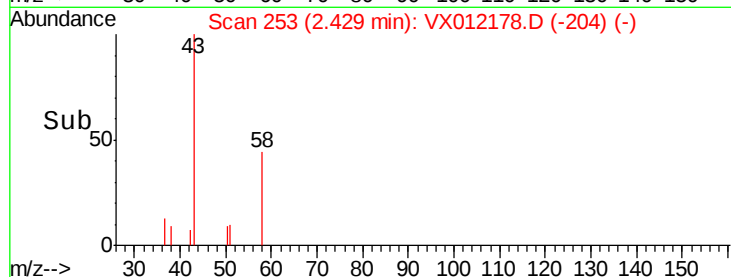
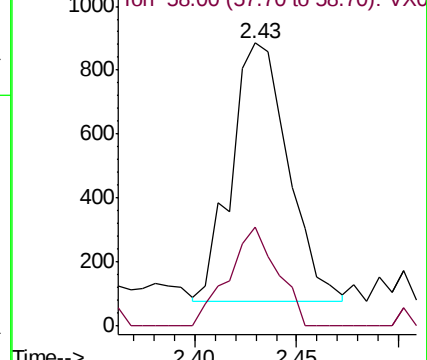
43 100

58 39.0 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: 3.476 ug/l

RT: 2.84 min Scan# 321

Delta R.T. -0.00 min

Lab File: VX012178.D

Acq: 07 Sep 2019 16:07

Tgt Ion: 84 Resp: 6864

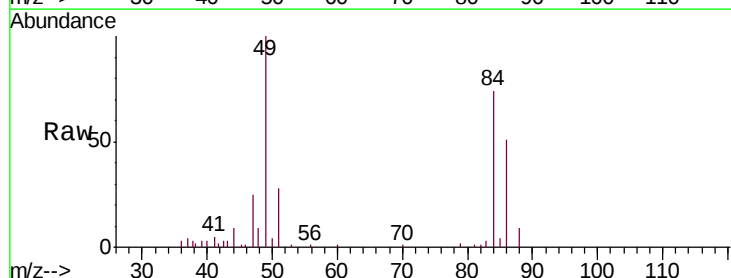
Ion Ratio Lower Upper

84 100

49 135.7 95.8 143.8

51 38.0 28.6 43.0

86 69.1 50.9 76.3

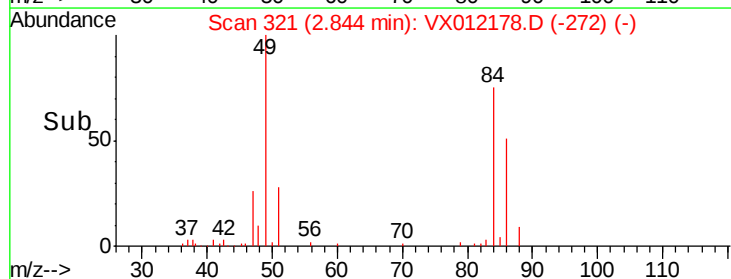
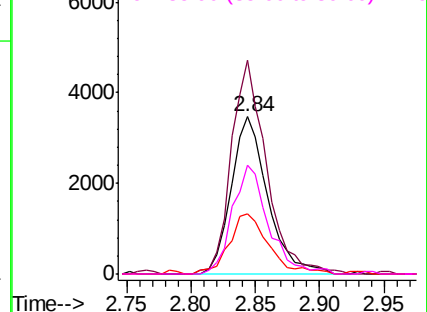


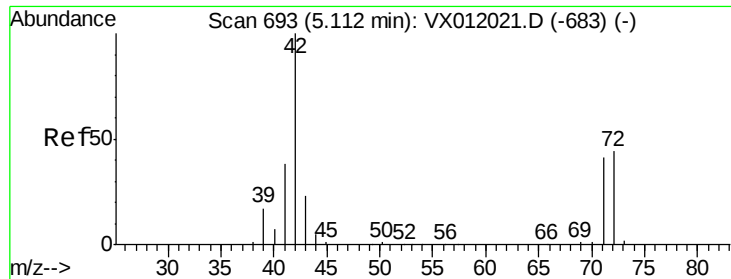
Abundance Ion 83.90 (83.60 to 84.60): VX0

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

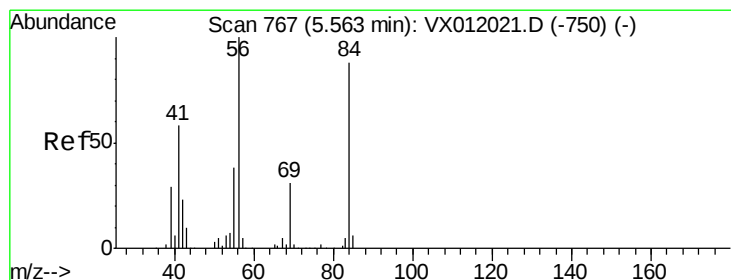
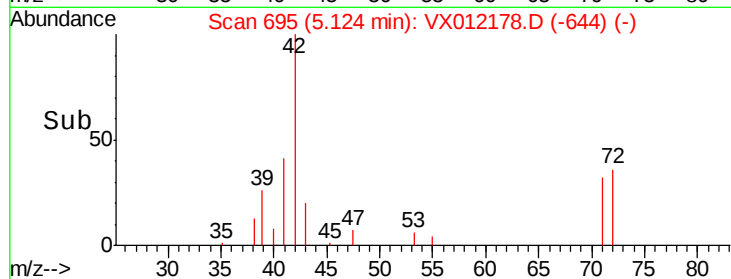
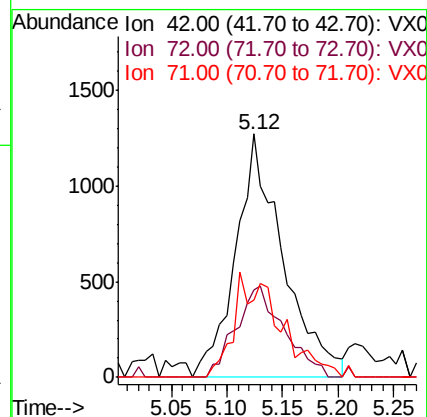
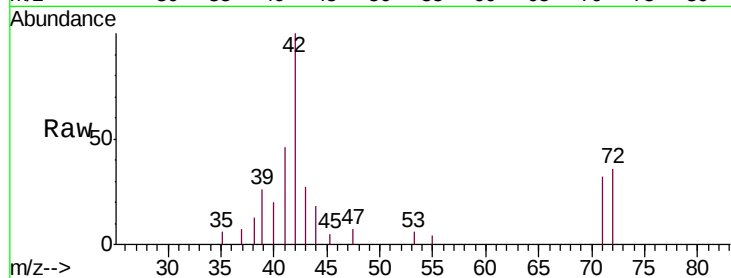




#29
Tetrahydrofuran
Concen: 10.019 ug/l
RT: 5.12 min Scan# 695
Delta R.T. 0.01 min
Lab File: VX012178.D
Acq: 07 Sep 2019 16:07

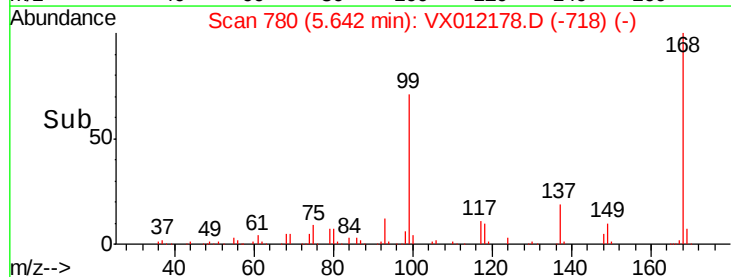
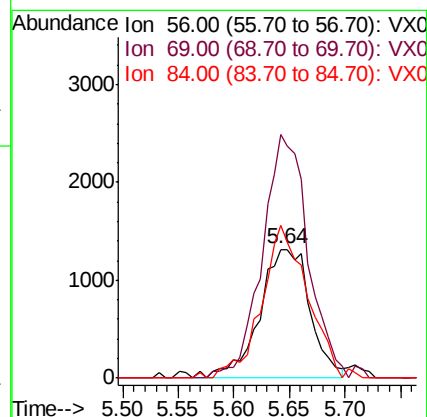
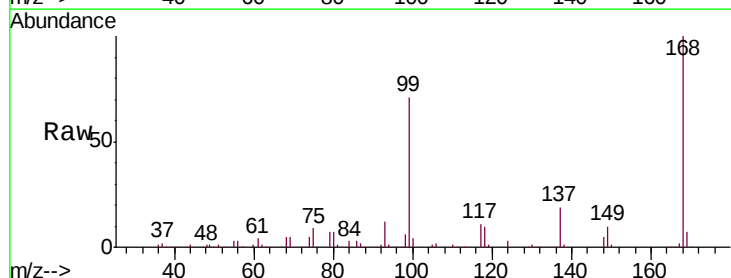
Instrument :
MSVOA_X
ClientSampleId :
T12-G3-(2.7)

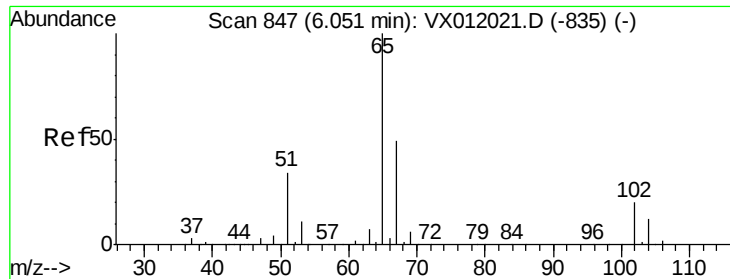
Tgt Ion: 42 Resp: 3779
Ion Ratio Lower Upper
42 100
72 37.9 37.0 55.4
71 17.9 33.8 50.8#



#31
Cyclohexane
Concen: 1.652 ug/l
RT: 5.64 min Scan# 780
Delta R.T. 0.08 min
Lab File: VX012178.D
Acq: 07 Sep 2019 16:07

Tgt Ion: 56 Resp: 4167
Ion Ratio Lower Upper
56 100
69 188.8 25.7 38.5#
84 118.9 70.3 105.5#

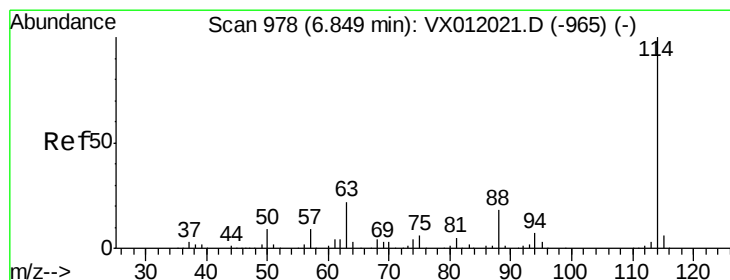
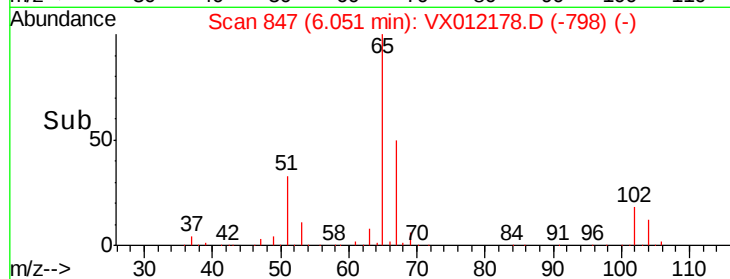
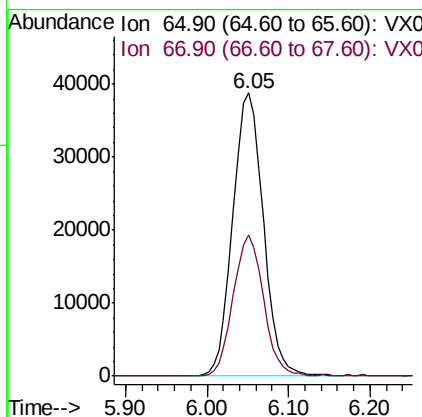
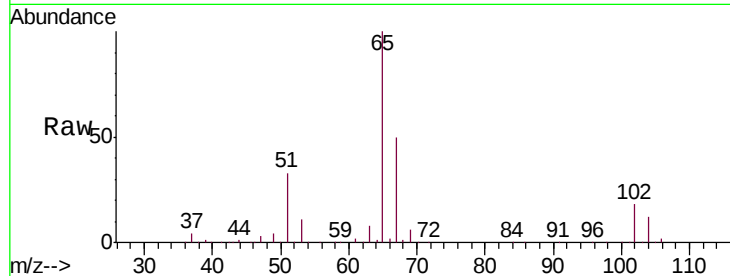




#33
 1,2-Dichloroethane-d4
 Concen: 48.928 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. -0.00 min
 Lab File: VX012178.D
 Acq: 07 Sep 2019 16:07

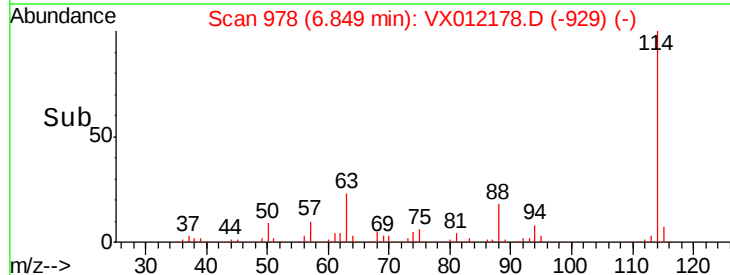
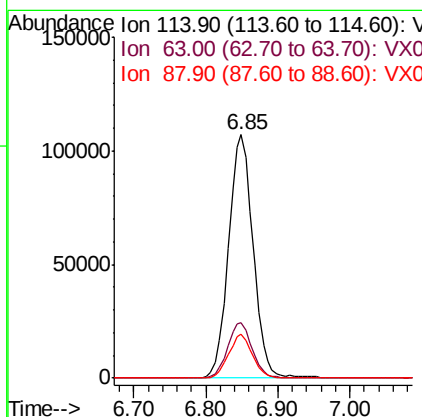
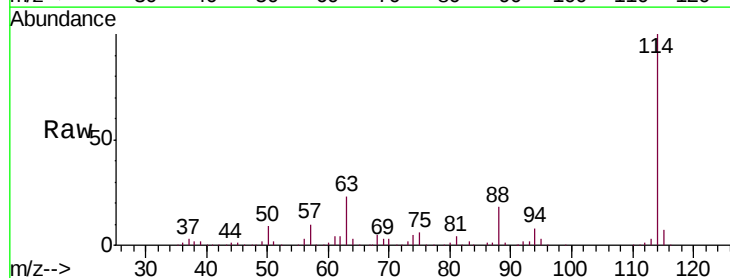
Instrument :
 MSVOA_X
 ClientSampleId :
 T12-G3-(2.7)

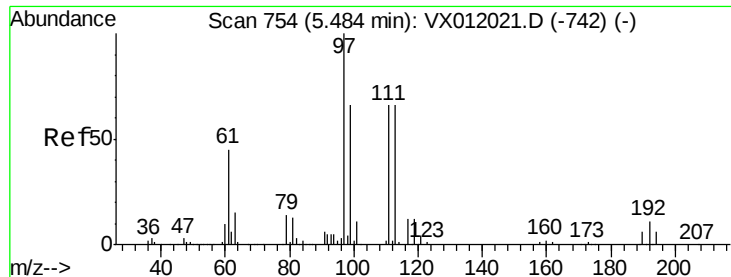
Tgt Ion: 65 Resp: 100673
 Ion Ratio Lower Upper
 65 100
 67 49.3 0.0 102.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. -0.00 min
 Lab File: VX012178.D
 Acq: 07 Sep 2019 16:07

Tgt Ion: 114 Resp: 253826
 Ion Ratio Lower Upper
 114 100
 63 22.7 0.0 37.4
 88 18.2 0.0 29.6





#35

Dibromofluoromethane

Concen: 48.525 ug/l

RT: 5.48 min Scan# 754

Delta R.T. -0.00 min

Lab File: VX012178.D

Acq: 07 Sep 2019 16:07

Instrument :

MSVOA_X

ClientSampleId :

T12-G3-(2.7)

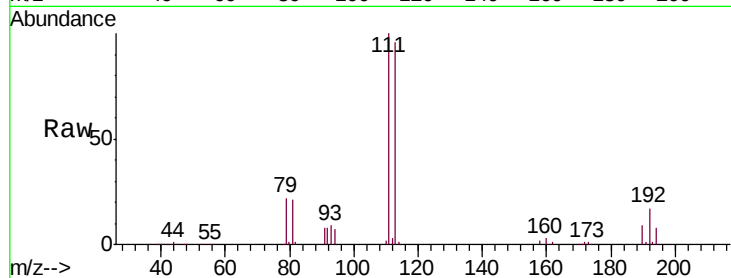
Tgt Ion:113 Resp: 75745

Ion Ratio Lower Upper

113 100

111 102.9 81.7 122.5

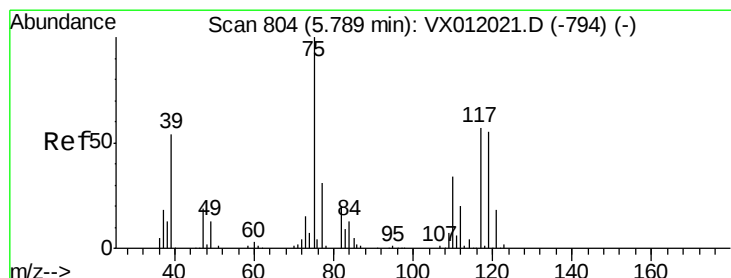
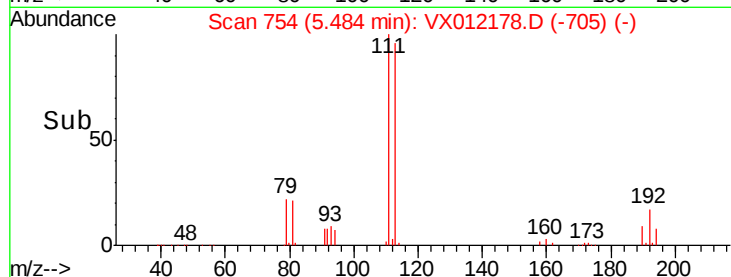
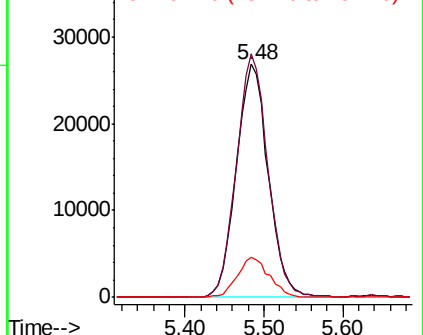
192 17.1 22.5 33.7#



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: 6.098 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.14 min

Lab File: VX012178.D

Acq: 07 Sep 2019 16:07

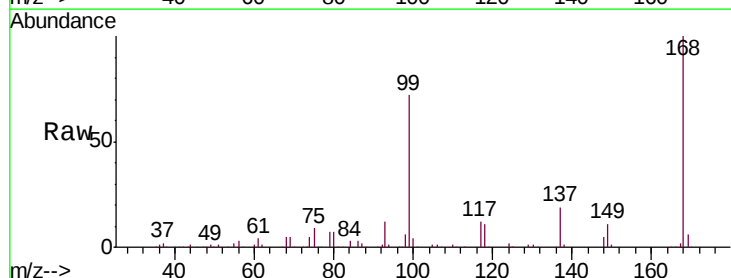
Tgt Ion: 75 Resp: 13632

Ion Ratio Lower Upper

75 100

110 9.7 19.5 58.5#

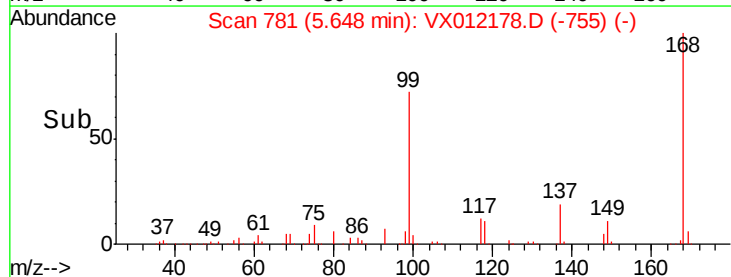
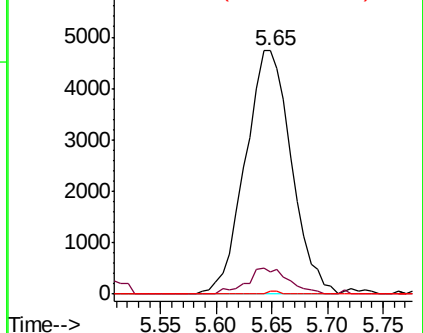
77 0.3 24.6 37.0#

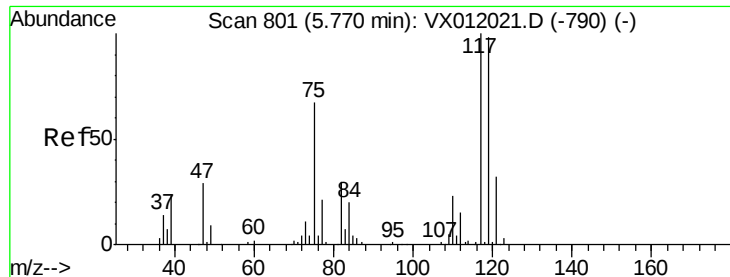


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

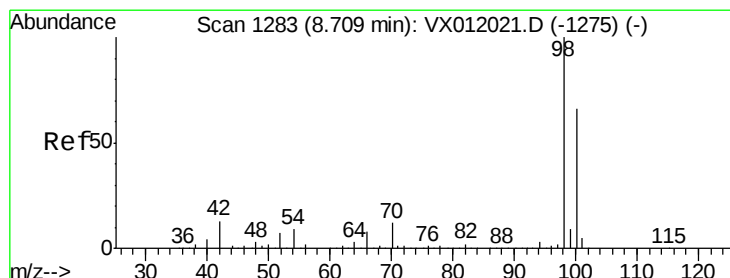
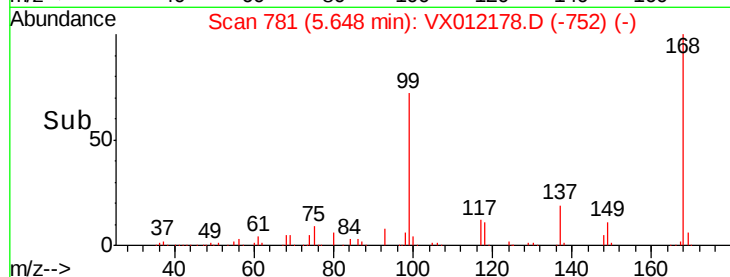
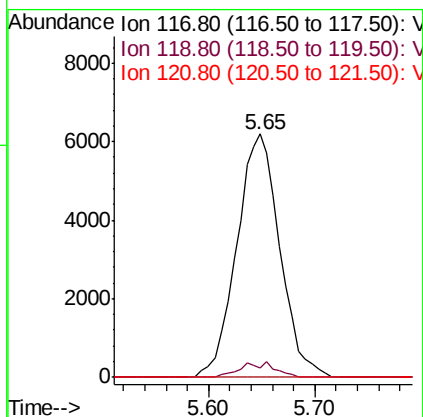
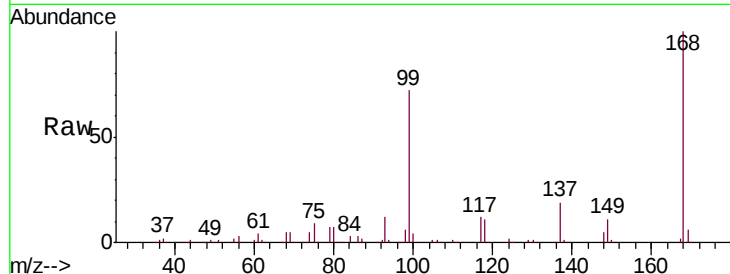




#38
Carbon Tetrachloride
Concen: 7.429 ug/l
RT: 5.65 min Scan# 781
Delta R.T. -0.12 min
Lab File: VX012178.D
Acq: 07 Sep 2019 16:07

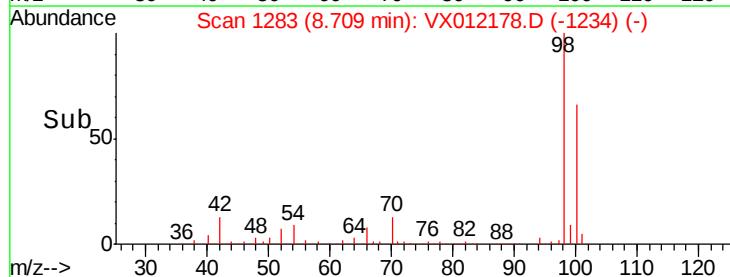
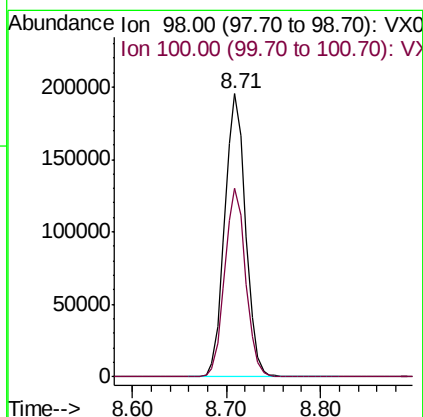
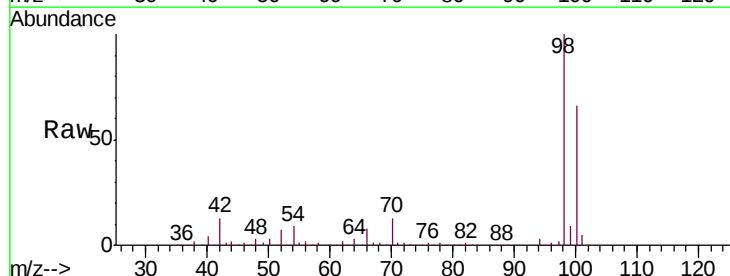
Instrument :
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T12-G3-(2.7)

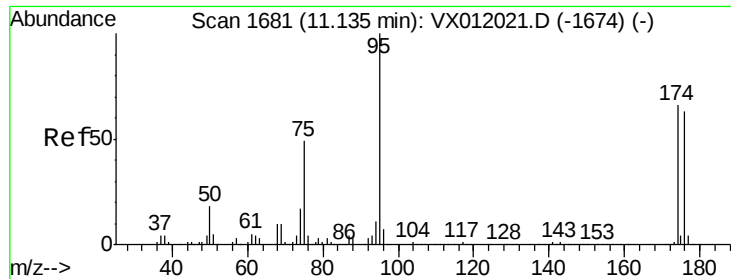
Tgt Ion:117 Resp: 17501
Ion Ratio Lower Upper
117 100
119 4.0 78.3 117.5#
121 0.0 24.2 36.2#



#50
Toluene-d8
Concen: 52.535 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX012178.D
Acq: 07 Sep 2019 16:07

Tgt Ion: 98 Resp: 300919
Ion Ratio Lower Upper
98 100
100 67.0 53.3 79.9

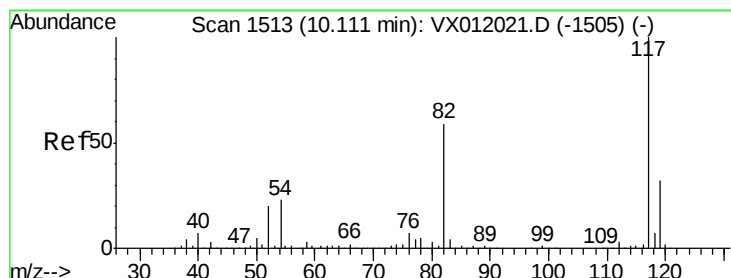
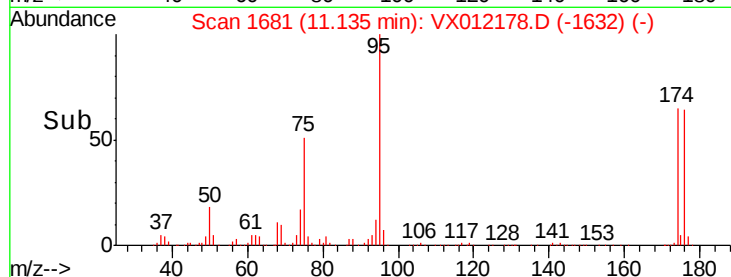
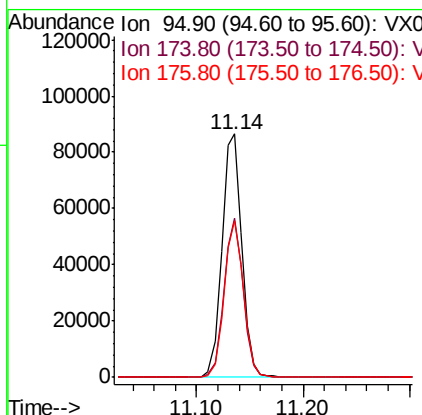
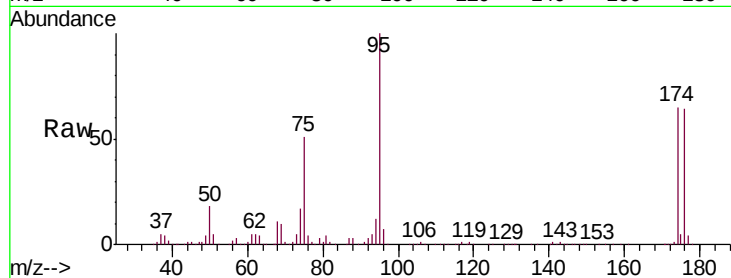




#62
4-Bromofluorobenzene
Concen: 42.132 ug/l
RT: 11.14 min Scan# 1681
Delta R.T. -0.00 min
Lab File: VX012178.D
Acq: 07 Sep 2019 16:07

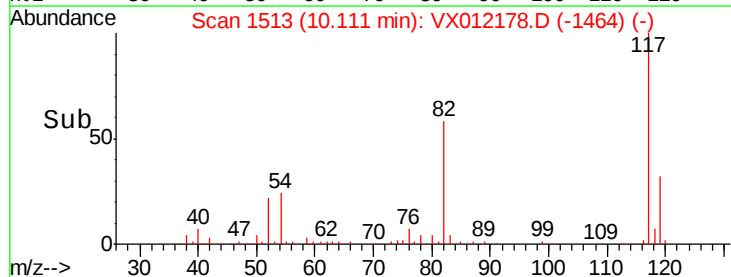
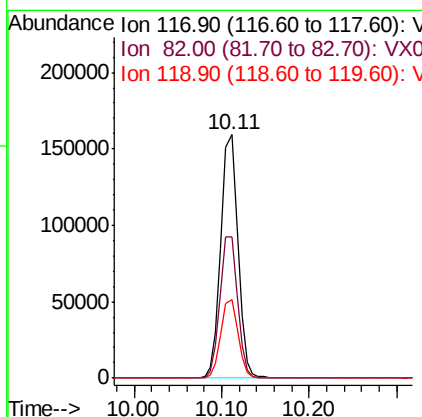
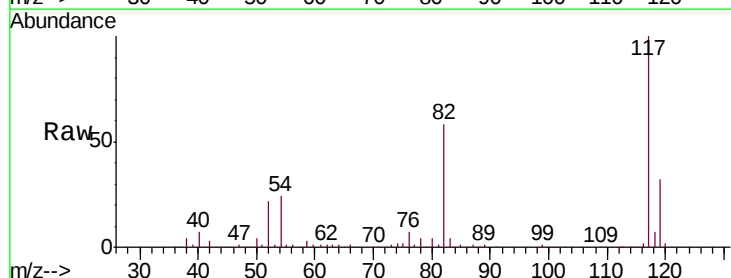
Instrument :
MSVOA_X
ClientSampleId :
T12-G3-(2.7)

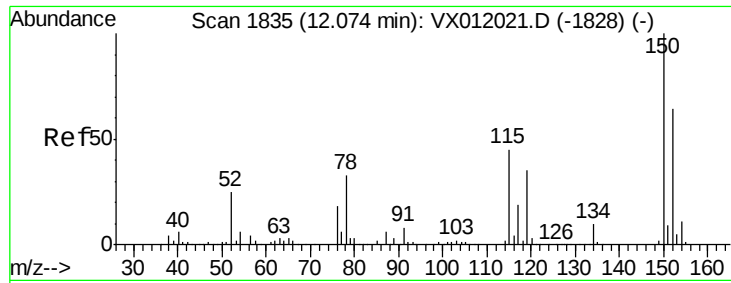
Tgt Ion	Ratio	Lower	Upper
95	100		
174	63.6	0.0	205.4
176	62.8	0.0	201.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX012178.D
Acq: 07 Sep 2019 16:07

Tgt Ion	Ratio	Lower	Upper
117	100		
82	58.2	39.4	59.0
119	32.0	26.1	39.1





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VX012178.D

Acq: 07 Sep 2019 16:07

Instrument :

MSVOA_X

ClientSampled :

T12-G3-(2.7)

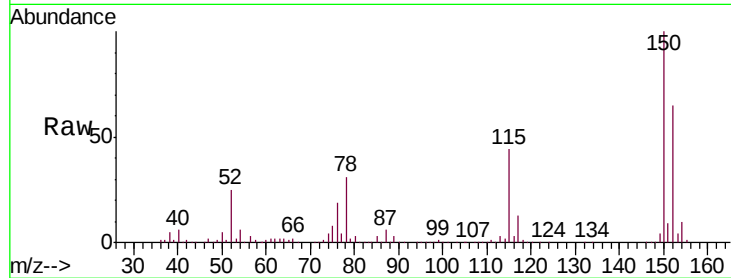
Tgt Ion:152 Resp: 88129

Ion Ratio Lower Upper

152 100

115 66.7 36.4 109.3

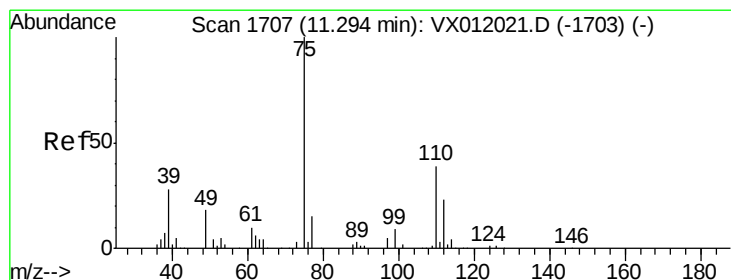
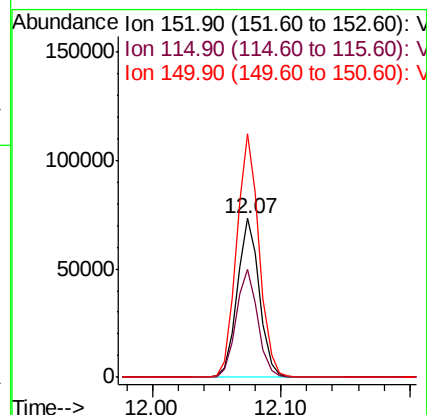
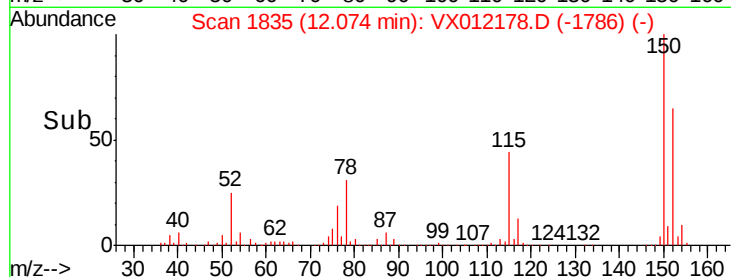
150 154.6 0.0 341.2



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: 54.917 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX012178.D

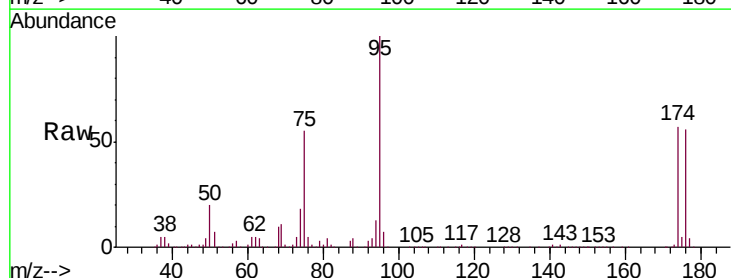
Acq: 07 Sep 2019 16:07

Tgt Ion: 75 Resp: 59135

Ion Ratio Lower Upper

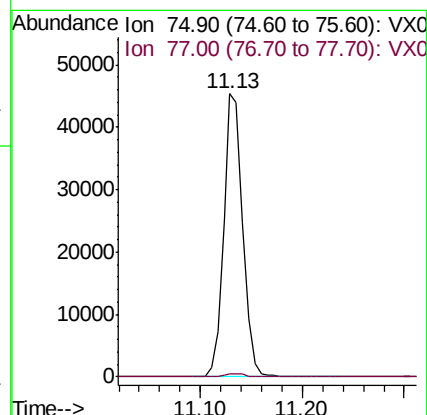
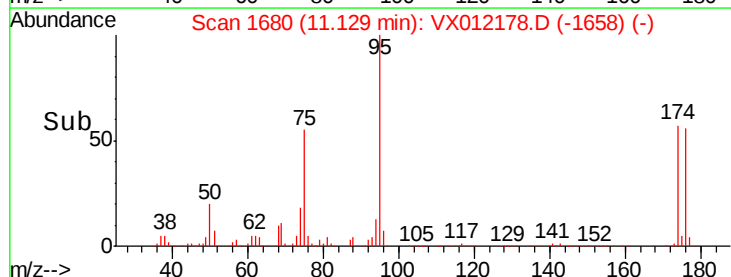
75 100

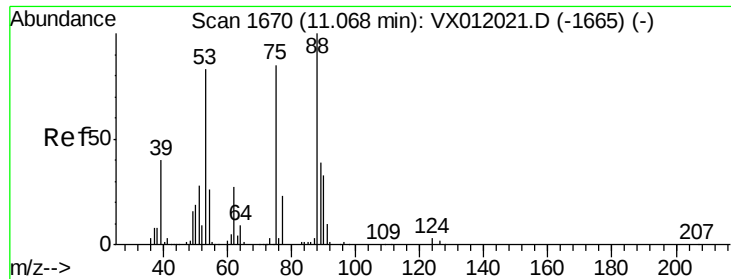
77 1.2 23.5 70.5#



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: 129.833 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX012178.D

Acq: 07 Sep 2019 16:07

Instrument :

MSVOA_X

ClientSampled :

T12-G3-(2.7)

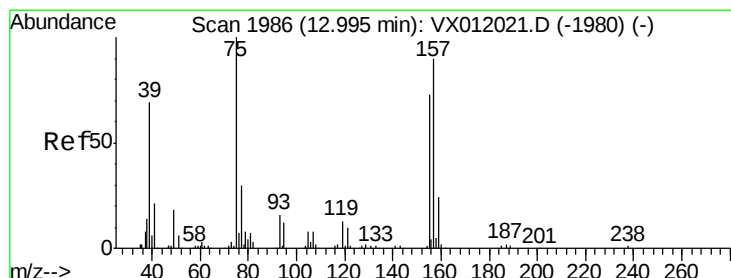
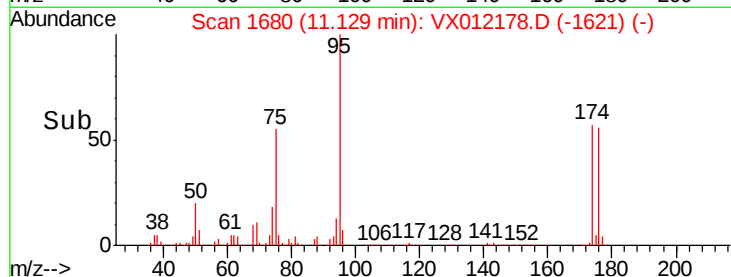
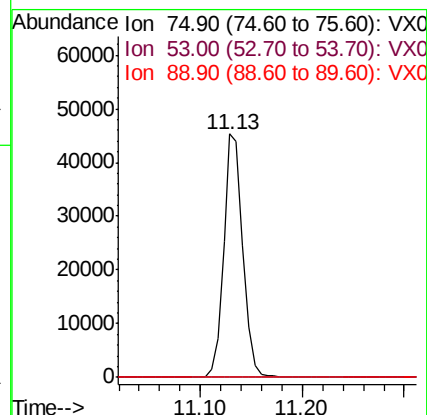
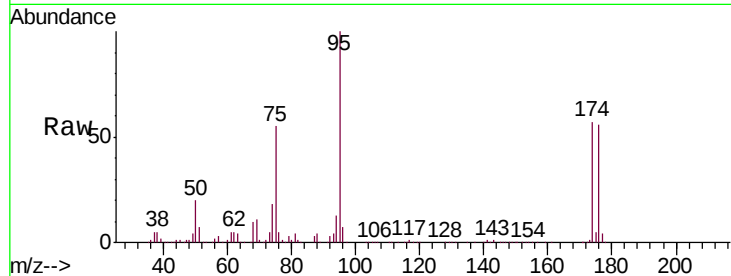
Tgt Ion: 75 Resp: 59135

Ion Ratio Lower Upper

75 100

53 0.1 78.6 117.8#

89 0.1 38.8 58.2#



#92

1,2-Dibromo-3-Chloropropane

Concen: 1.634 ug/l

RT: 12.81 min Scan# 1955

Delta R.T. -0.19 min

Lab File: VX012178.D

Acq: 07 Sep 2019 16:07

Tgt Ion: 75 Resp: 461

Ion Ratio Lower Upper

75 100

155 0.0 51.7 155.2#

157 0.0 66.9 200.7#

