

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX090419\
 Data File : VX012061.D
 Acq On : 04 Sep 2019 19:31
 Operator : SY/SP
 Sample : K4546-10
 Misc : 4.51g/5.0mL/MSVOA_X/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 T3-S-A-(0)

Quant Time: Sep 05 05:26:17 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	153143	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	265556	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	229430	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	95173	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	101205	47.89	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	95.78%	
35) Dibromofluoromethane	5.48	113	78711	48.20	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	96.40%	
50) Toluene-d8	8.71	98	315013	52.57	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	105.14%	
62) 4-Bromofluorobenzene	11.14	95	121740	43.68	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	87.36%	

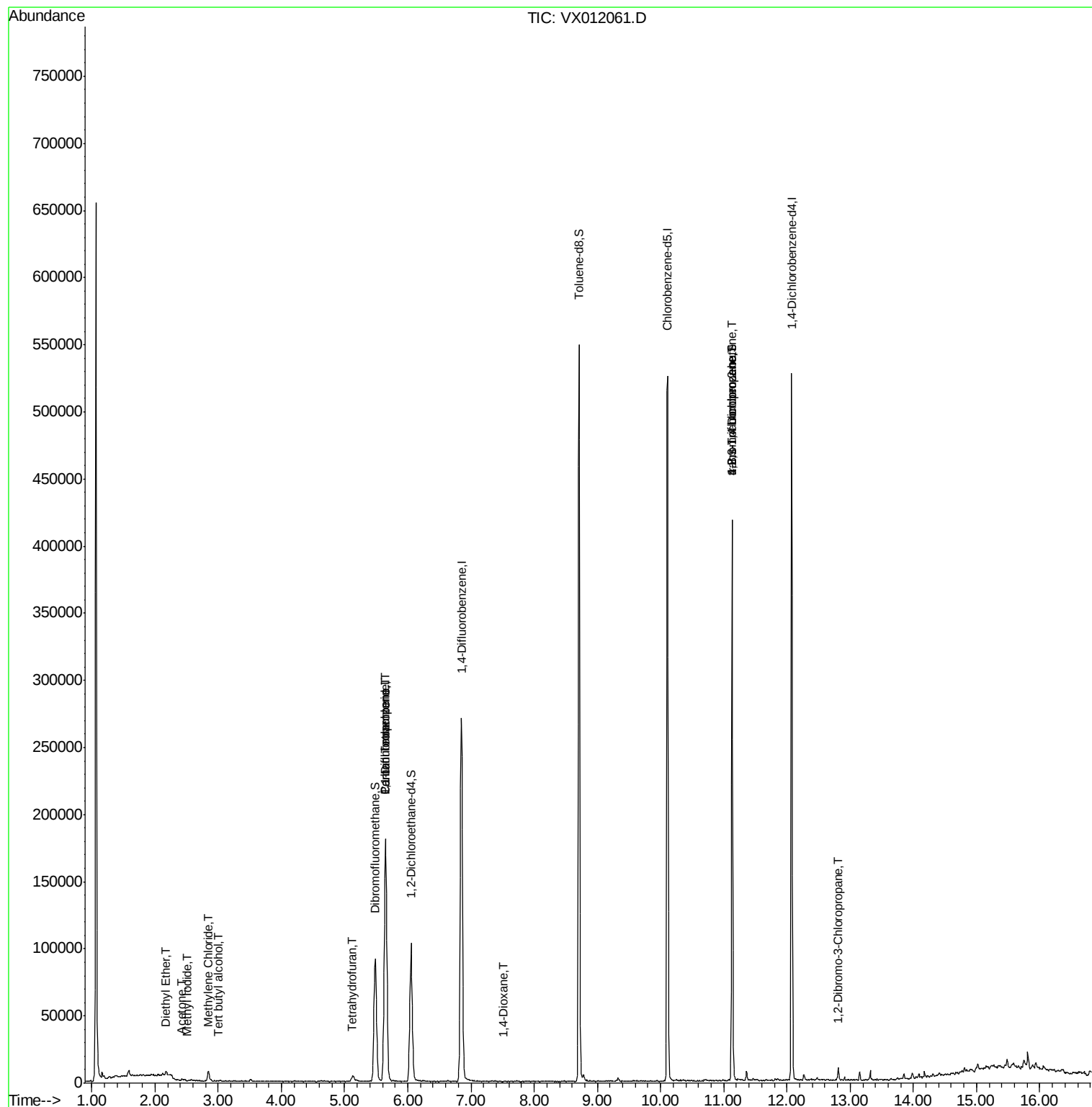
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	2.17	74	846	1.158	ug/l	73
10) Methyl Iodide	2.51	142	21	7.000	ug/l #	40
11) Tert butyl alcohol	3.00	59	208	1.025	ug/l #	15
13) Acrolein	2.34	56	78	Below Cal		83
16) Acetone	2.42	43	1297	2.568	ug/l	95
20) Methylene Chloride	2.84	84	3664	1.807	ug/l #	91
29) Tetrahydrofuran	5.13	42	4465	11.527	ug/l	98
36) 1,1-Dichloropropene	5.65	75	14058	6.011	ug/l #	40
38) Carbon Tetrachloride	5.65	117	17613	7.147	ug/l #	15
49) 1,4-Dioxane	7.51	88	26	1.467	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	63409	54.528	ug/l #	32
81) trans-1,4-Dichloro-2-buten	11.13	75	63409	128.913	ug/l #	10
92) 1,2-Dibromo-3-Chloropropan	12.81	75	329	1.080	ug/l #	1

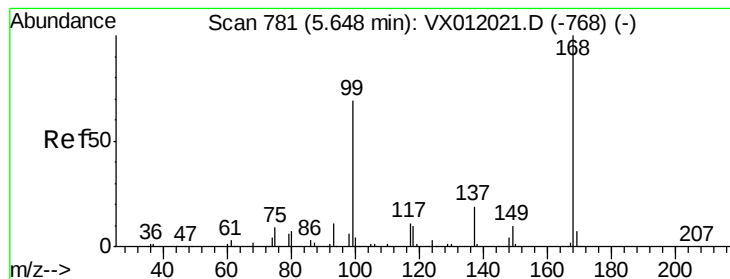
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX090419\
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Quant Title : SW846 8260
QLast Update : Tue Sep 03 15:26:48 2019
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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: VX012061.D

Acq: 04 Sep 2019 19:31

Instrument :

MSVOA_X

ClientSampleId :

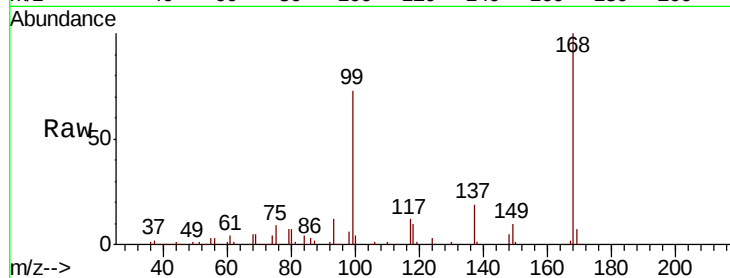
T3-S-A-(0)

Tgt Ion:168 Resp: 153143

Ion Ratio Lower Upper

168 100

99 72.8 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

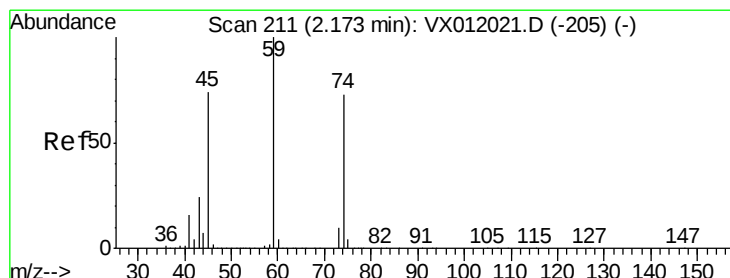
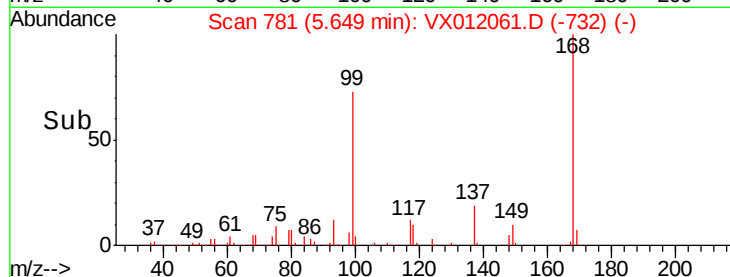
20000

10000

0

Time-->

5.50 5.60 5.70 5.80



#8

Diethyl Ether

Concen: 1.158 ug/l

RT: 2.17 min Scan# 211

Delta R.T. -0.00 min

Lab File: VX012061.D

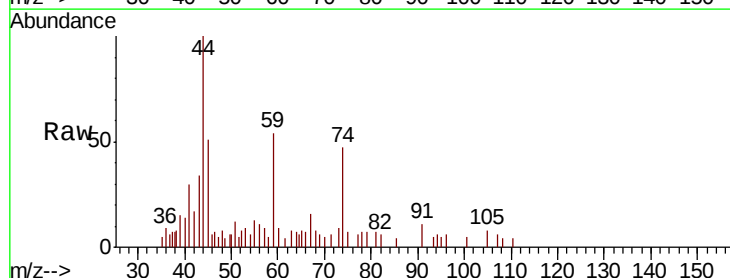
Acq: 04 Sep 2019 19:31

Tgt Ion: 74 Resp: 846

Ion Ratio Lower Upper

74 100

45 117.0 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

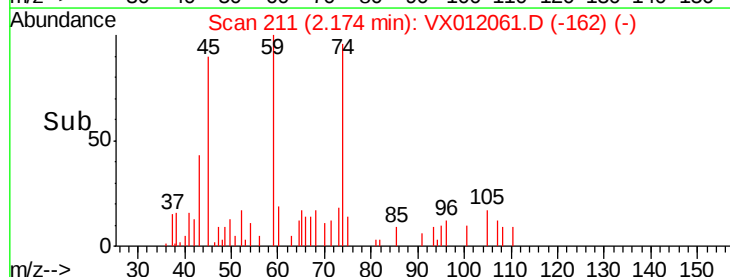
400

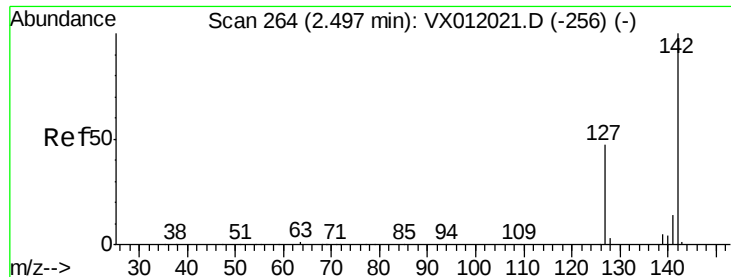
200

0

Time-->

2.15 2.20

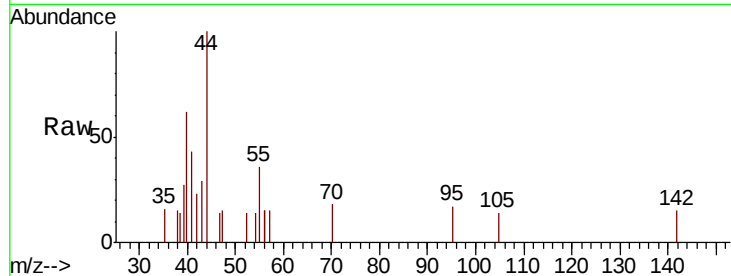




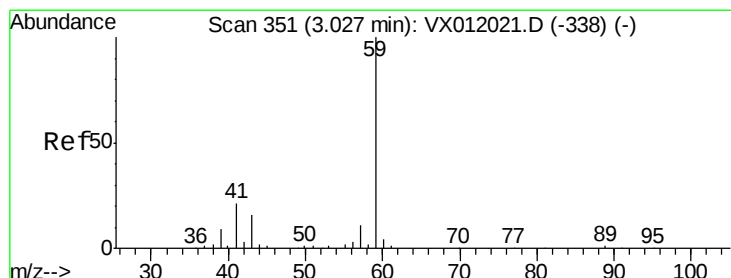
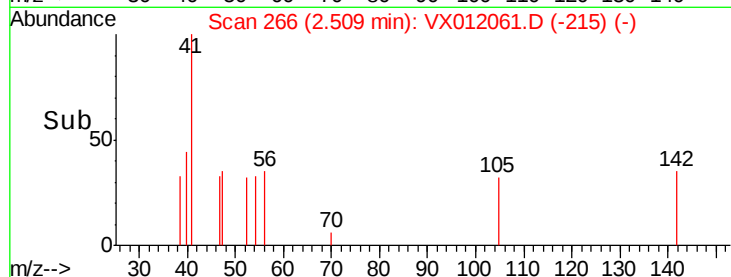
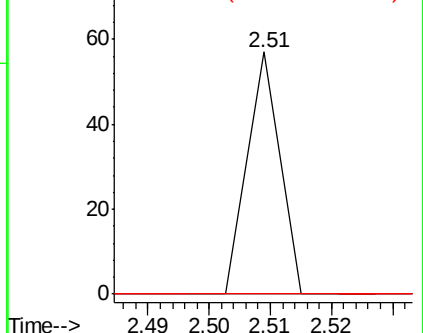
#10
Methyl Iodide
Concen: 7.000 ug/l
RT: 2.51 min Scan# 266
Delta R.T. 0.01 min
Lab File: VX012061.D
Acq: 04 Sep 2019 19:31

Instrument :
MSVOA_X
ClientSampleId :
T3-S-A-(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#

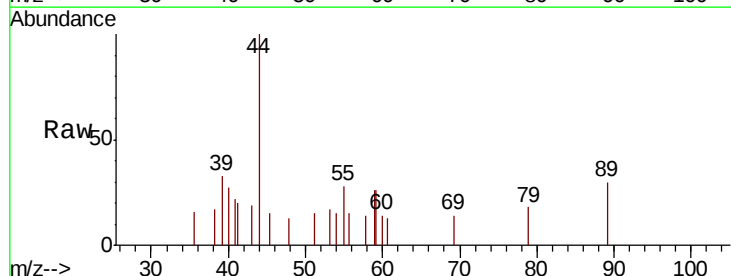


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

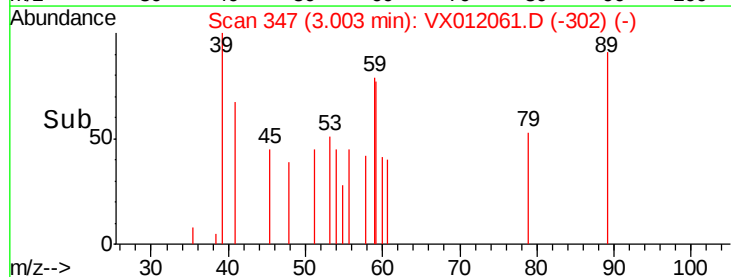
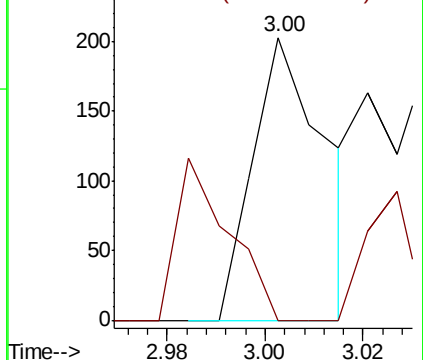


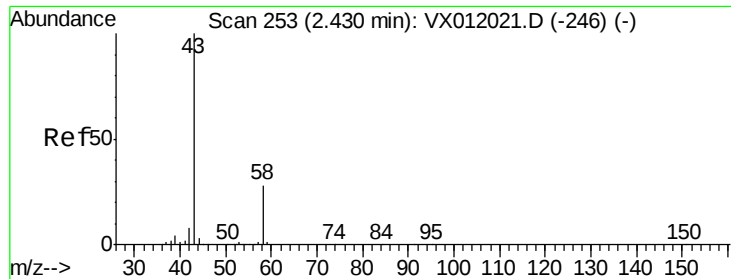
#11
Tert butyl alcohol
Concen: 1.025 ug/l
RT: 3.00 min Scan# 347
Delta R.T. -0.02 min
Lab File: VX012061.D
Acq: 04 Sep 2019 19:31

Tgt Ion: 59 Resp: 208
Ion Ratio Lower Upper
59 100
57 41.3 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: 2.568 ug/l

RT: 2.42 min Scan# 252

Delta R.T. -0.01 min

Lab File: VX012061.D

Acq: 04 Sep 2019 19:31

Instrument :

MSVOA_X

ClientSampleId :

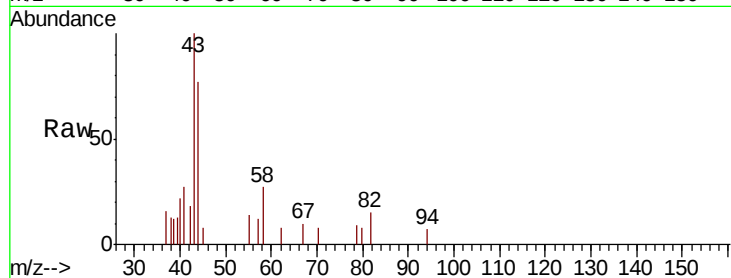
T3-S-A(0)

Tgt Ion: 43 Resp: 1297

Ion Ratio Lower Upper

43 100

58 31.1 22.8 34.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.42

800

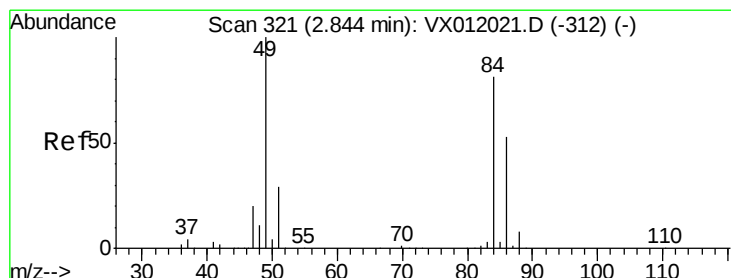
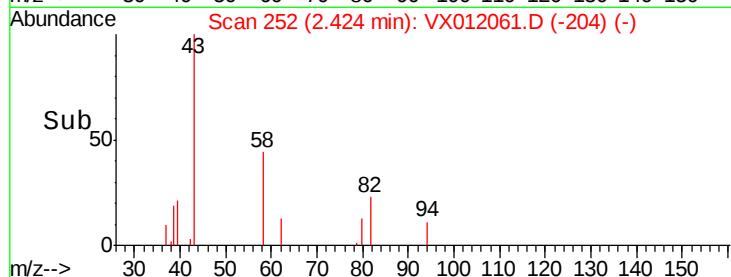
600

400

200

0

Time-->



#20

Methylene Chloride

Concen: 1.807 ug/l

RT: 2.84 min Scan# 321

Delta R.T. -0.00 min

Lab File: VX012061.D

Acq: 04 Sep 2019 19:31

Tgt Ion: 84 Resp: 3664

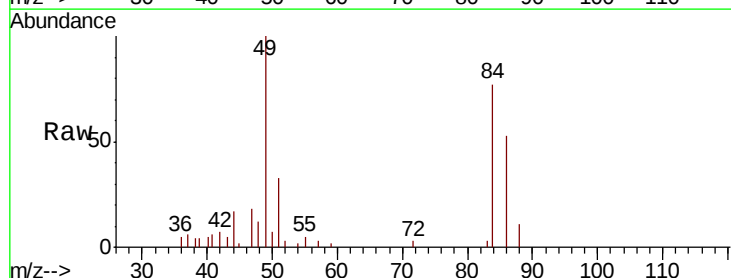
Ion Ratio Lower Upper

84 100

49 130.7 95.8 143.8

51 43.4 28.6 43.0#

86 68.7 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

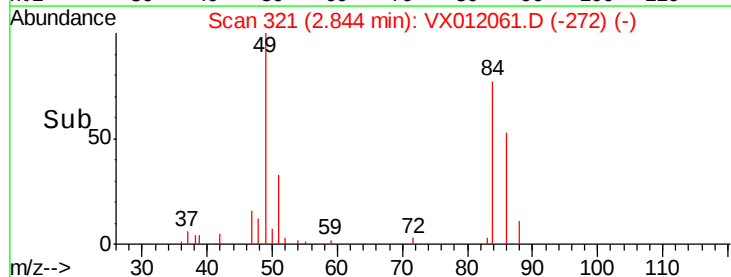
3000

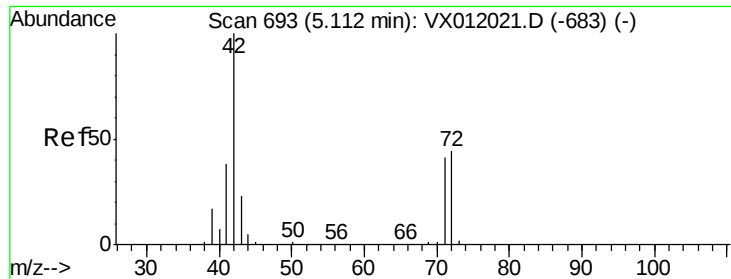
2000

1000

0

Time-->

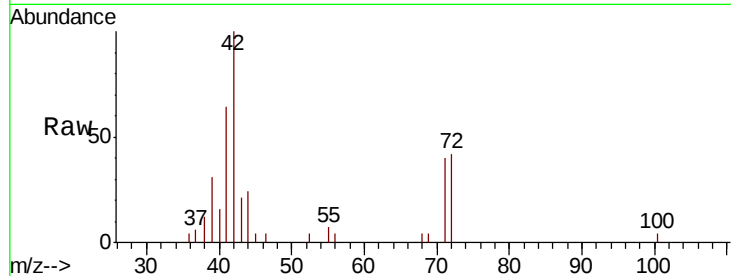




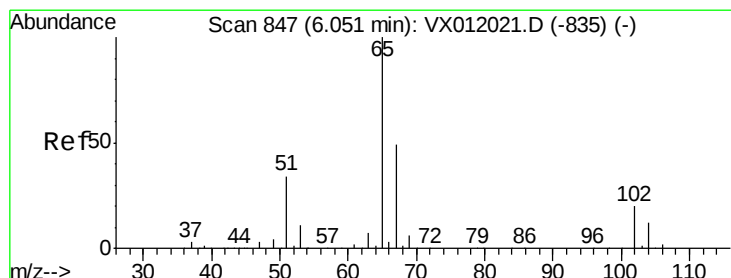
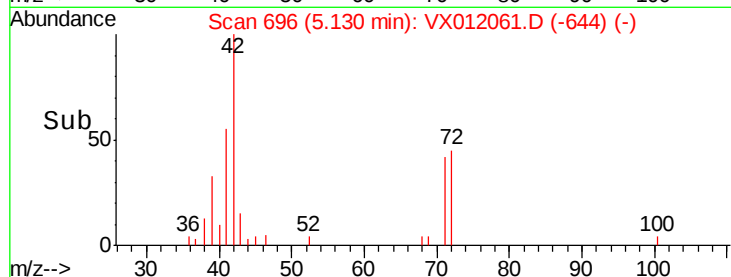
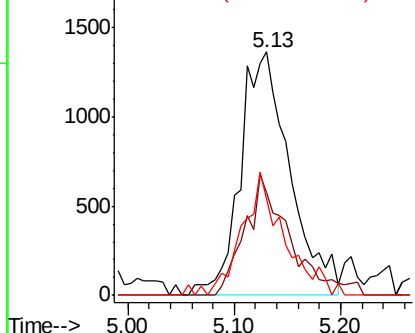
#29
Tetrahydrofuran
Concen: 11.527 ug/l
RT: 5.13 min Scan# 696
Delta R.T. 0.02 min
Lab File: VX012061.D
Acq: 04 Sep 2019 19:31

Instrument :
MSVOA_X
ClientSampleId :
T3-S-A-(0)

Tgt Ion: 42 Resp: 4465
Ion Ratio Lower Upper
42 100
72 44.8 37.0 55.4
71 42.8 33.8 50.8

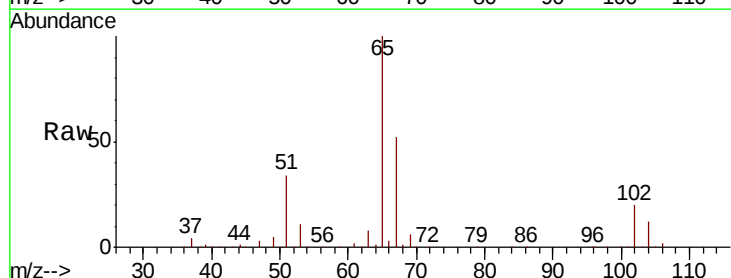


Abundance Ion 42.00 (41.70 to 42.70): VX0
Ion 72.00 (71.70 to 72.70): VX0
Ion 71.00 (70.70 to 71.70): VX0

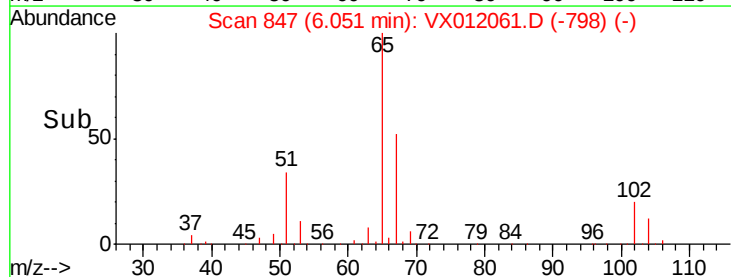
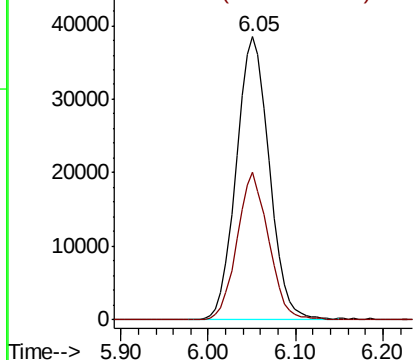


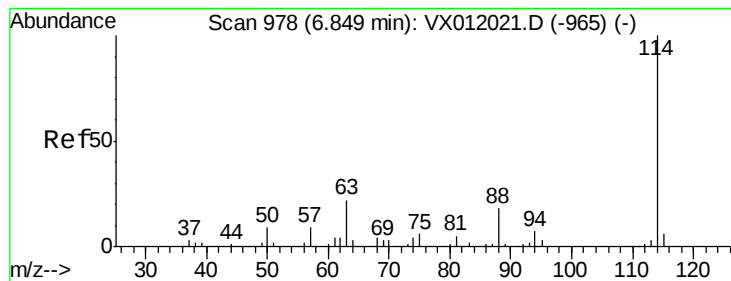
#33
1,2-Dichloroethane-d4
Concen: 47.895 ug/l
RT: 6.05 min Scan# 847
Delta R.T. -0.00 min
Lab File: VX012061.D
Acq: 04 Sep 2019 19:31

Tgt Ion: 65 Resp: 101205
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: VX012061.D

Acq: 04 Sep 2019 19:31

Instrument :

MSVOA_X

ClientSampleId :

T3-S-A-(0)

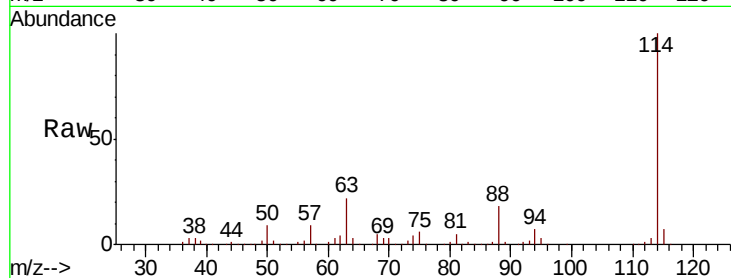
Tgt Ion:114 Resp: 265556

Ion Ratio Lower Upper

114 100

63 22.2 0.0 37.4

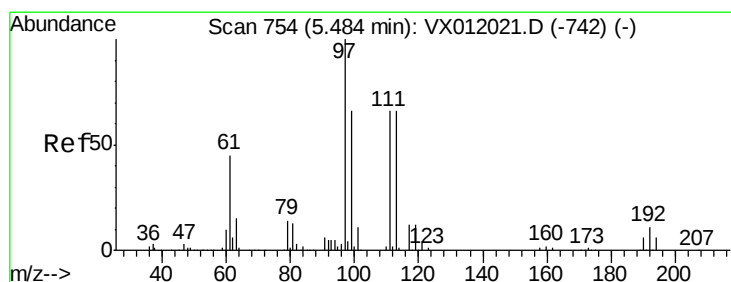
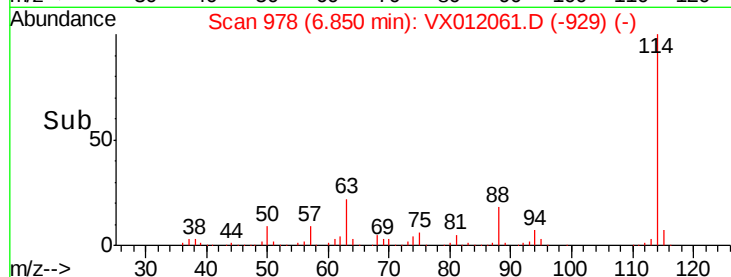
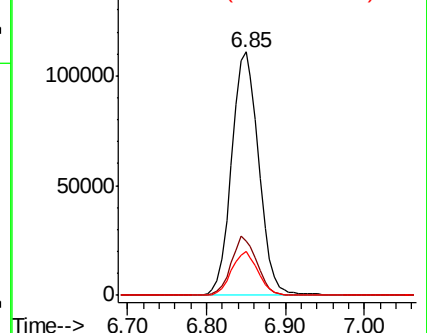
88 17.9 0.0 29.6



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: 48.197 ug/l

RT: 5.48 min Scan# 754

Delta R.T. -0.00 min

Lab File: VX012061.D

Acq: 04 Sep 2019 19:31

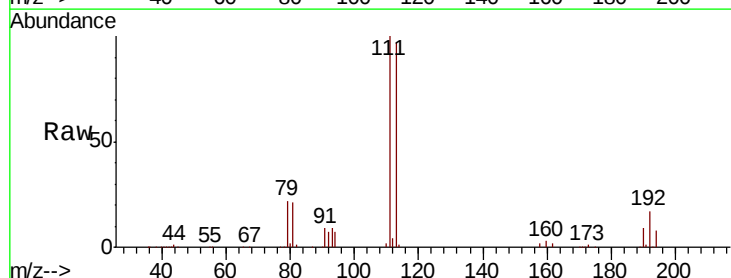
Tgt Ion:113 Resp: 78711

Ion Ratio Lower Upper

113 100

111 102.9 81.7 122.5

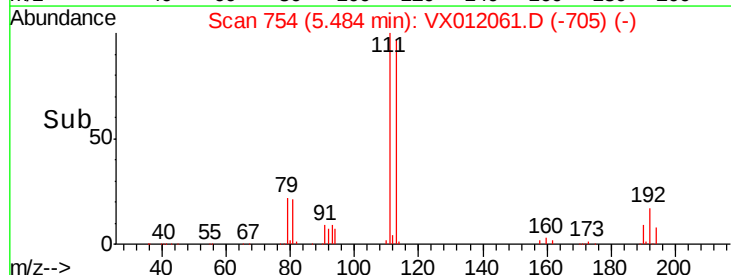
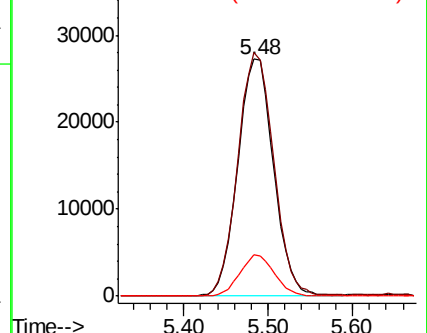
192 16.8 22.5 33.7#

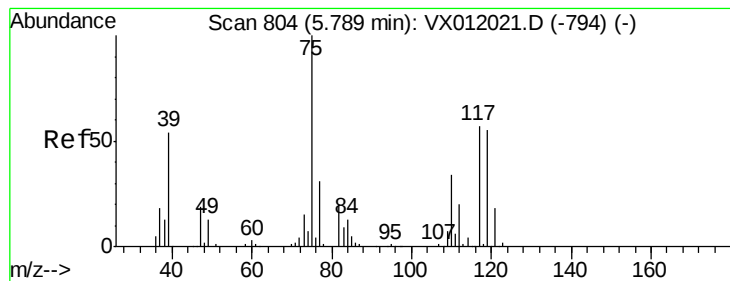


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 6.011 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.13 min

Lab File: VX012061.D

Acq: 04 Sep 2019 19:31

Instrument :

MSVOA_X

ClientSampleId :

T3-S-A-(0)

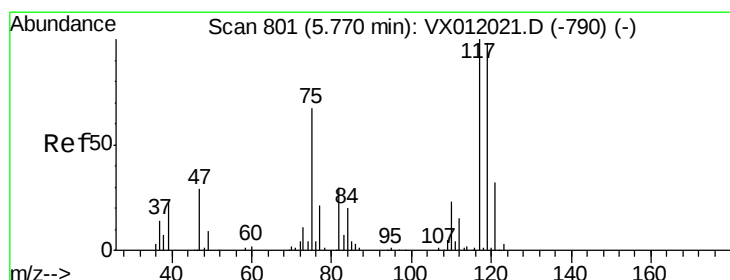
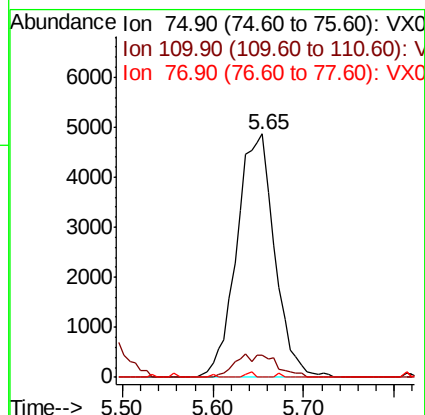
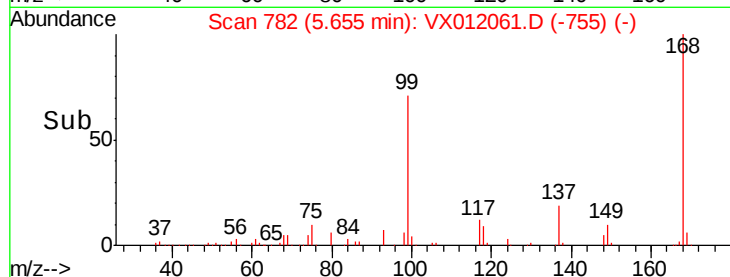
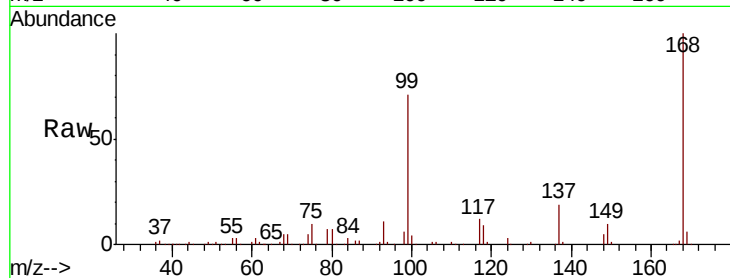
Tgt Ion: 75 Resp: 14058

Ion Ratio Lower Upper

75 100

110 0.0 19.5 58.5#

77 0.2 24.6 37.0#



#38

Carbon Tetrachloride

Concen: 7.147 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.12 min

Lab File: VX012061.D

Acq: 04 Sep 2019 19:31

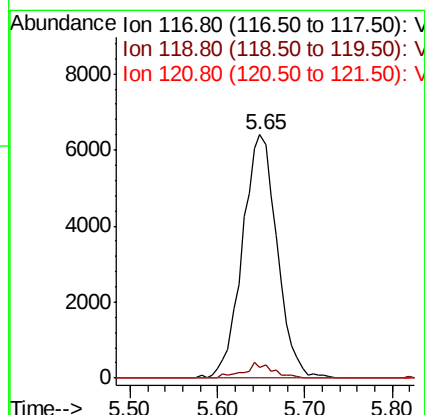
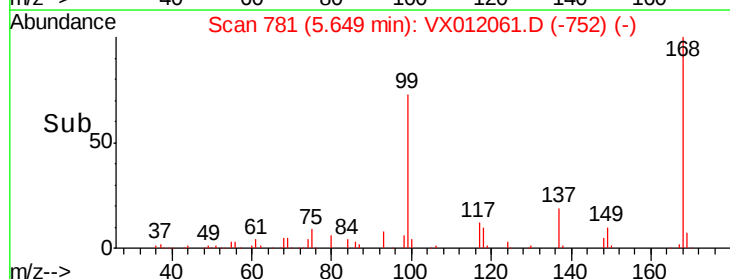
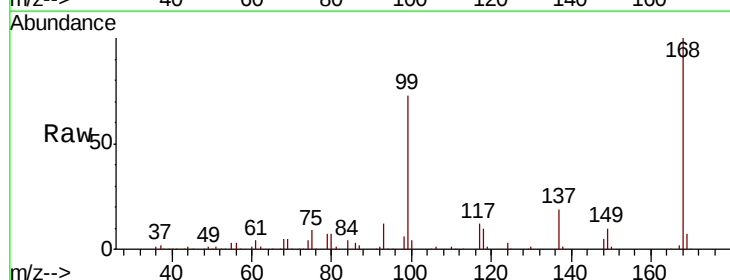
Tgt Ion: 117 Resp: 17613

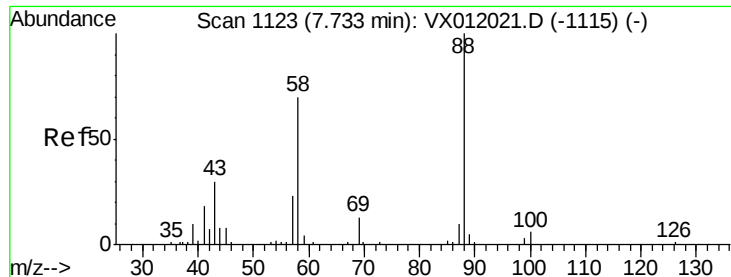
Ion Ratio Lower Upper

117 100

119 4.6 78.3 117.5#

121 0.0 24.2 36.2#

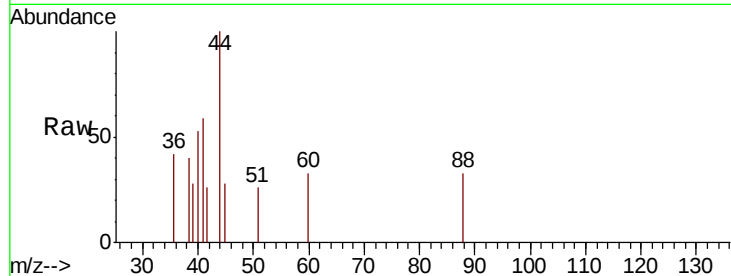




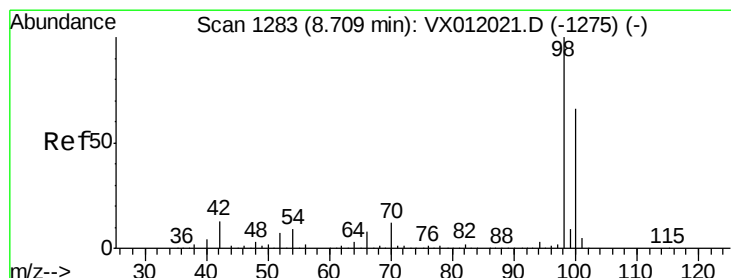
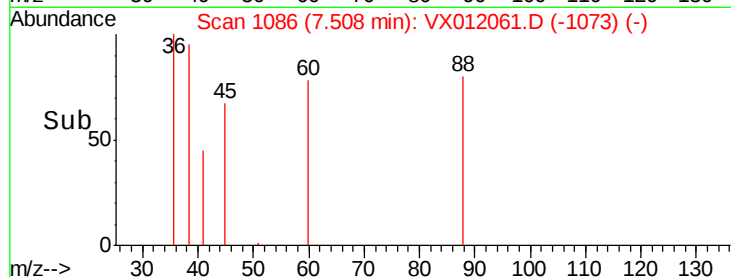
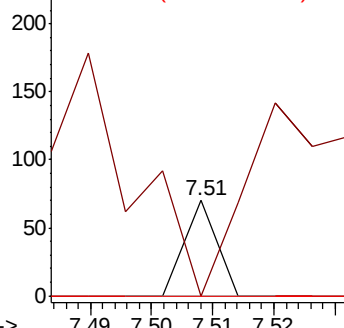
#49
1,4-Dioxane
Concen: 1.467 ug/l
RT: 7.51 min Scan# 1086
Delta R.T. -0.22 min
Lab File: VX012061.D
Acq: 04 Sep 2019 19:31

Instrument :
MSVOA_X
ClientSampleId :
T3-S-A-(0)

Tgt Ion: 88 Resp: 26
Ion Ratio Lower Upper
88 100
43 911.5 29.8 44.6#
58 0.0 55.4 83.2#

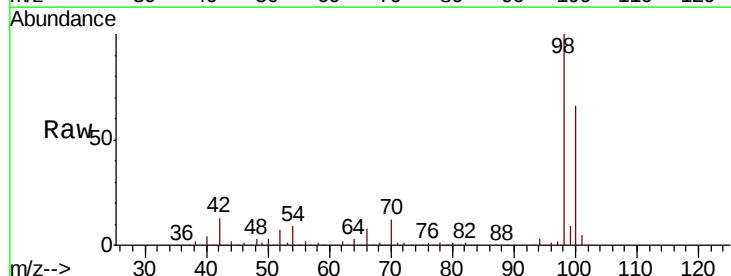


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

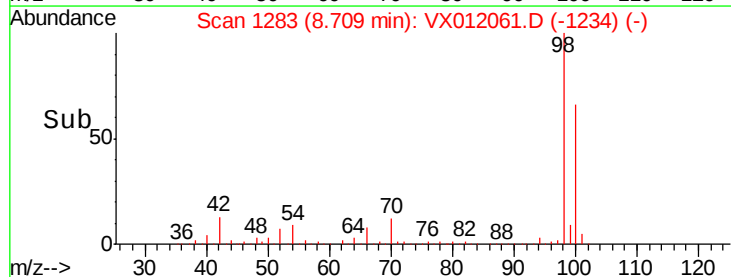
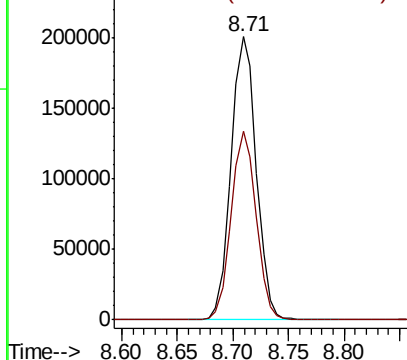


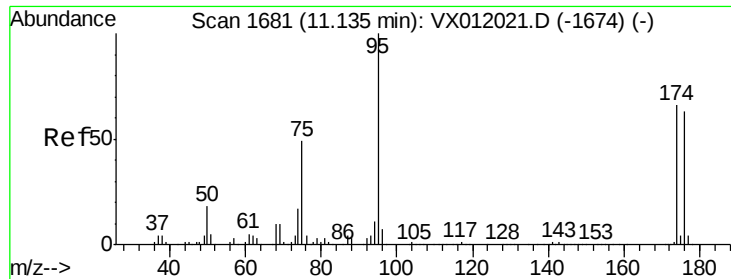
#50
Toluene-d8
Concen: 52.566 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX012061.D
Acq: 04 Sep 2019 19:31

Tgt Ion: 98 Resp: 315013
Ion Ratio Lower Upper
98 100
100 66.1 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: 43.682 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.00 min

Lab File: VX012061.D

Acq: 04 Sep 2019 19:31

Instrument :

MSVOA_X

ClientSampleId :

T3-S-A-(0)

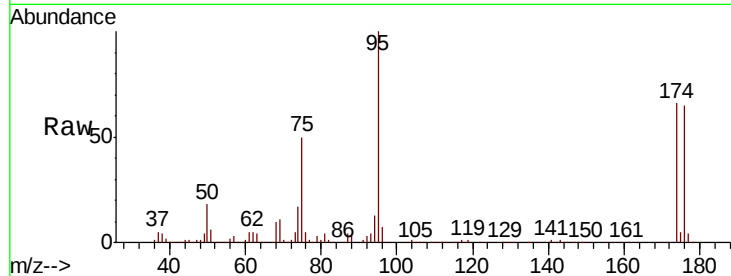
Tgt Ion: 95 Resp: 121740

Ion Ratio Lower Upper

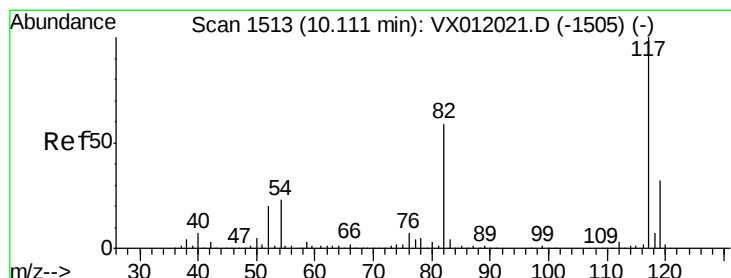
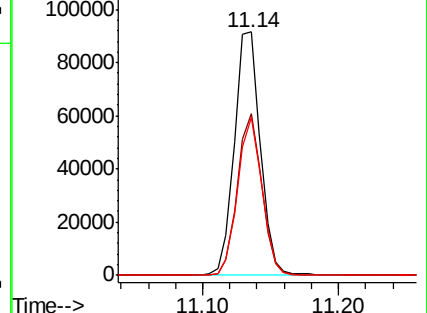
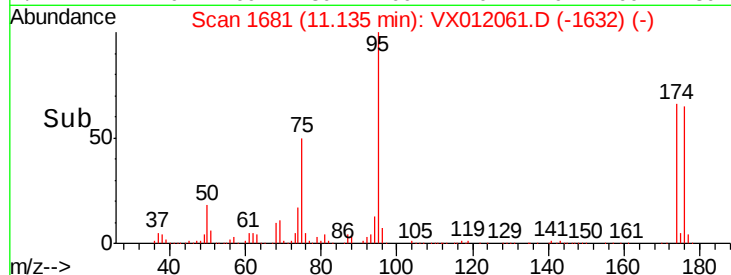
95 100

174 62.7 0.0 205.4

176 61.0 0.0 201.8



Abundance Ion 94.90 (94.60 to 95.60): VX012061.D (-1632) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VX012061.D

Acq: 04 Sep 2019 19:31

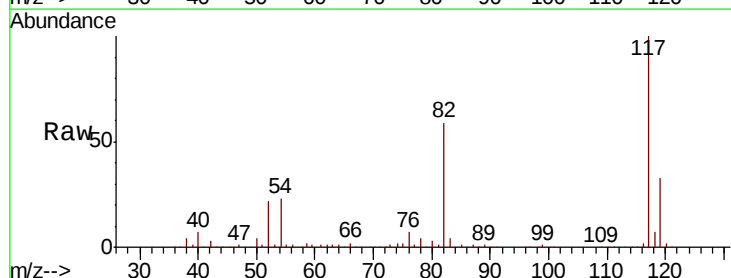
Tgt Ion: 117 Resp: 229430

Ion Ratio Lower Upper

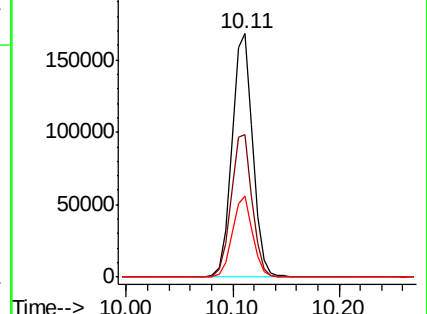
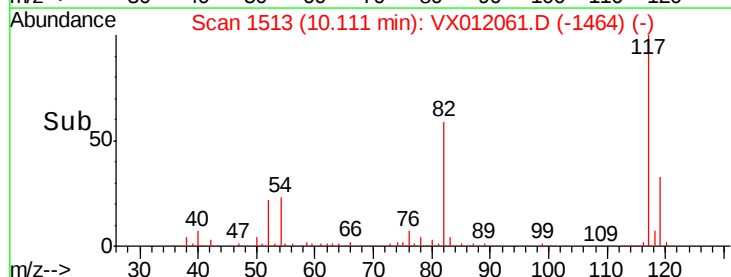
117 100

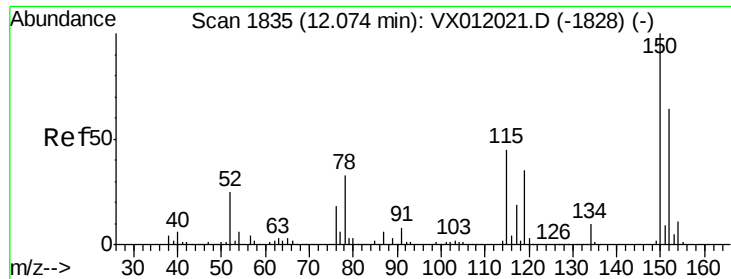
82 58.6 39.4 59.0

119 33.3 26.1 39.1



Abundance Ion 116.90 (116.60 to 117.60): VX012061.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: VX012061.D

Acq: 04 Sep 2019 19:31

Instrument :

MSVOA_X

ClientSampleId :

T3-S-A(0)

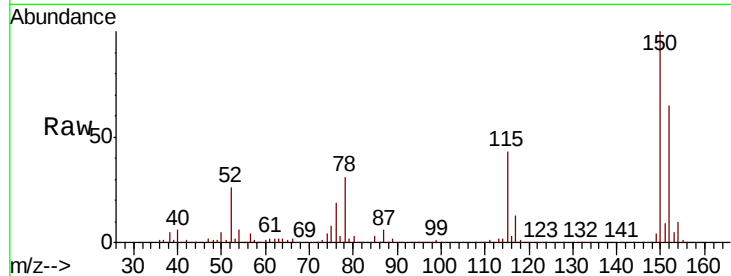
Tgt Ion:152 Resp: 95173

Ion Ratio Lower Upper

152 100

115 66.8 36.4 109.3

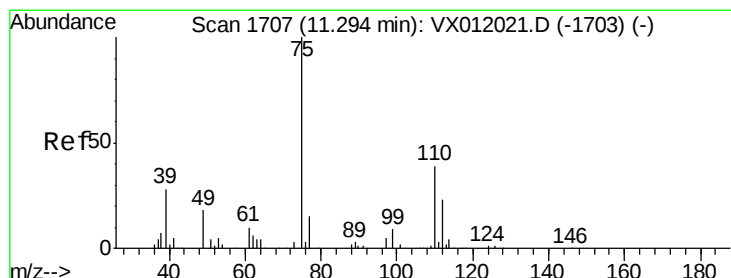
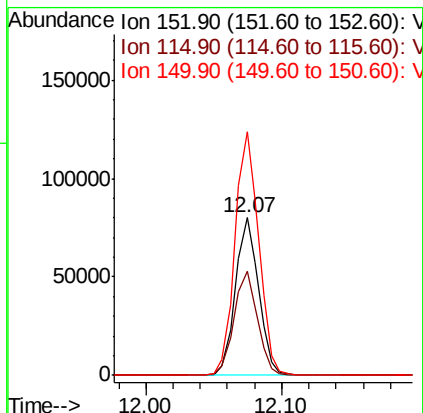
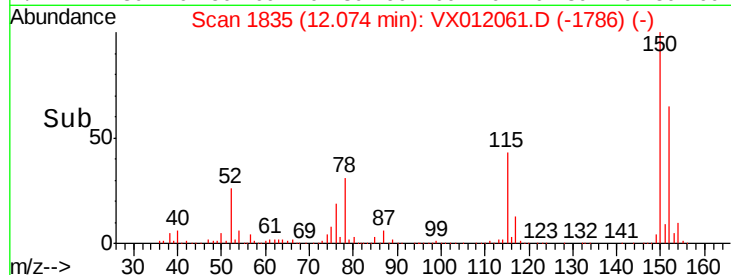
150 156.9 0.0 341.2



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: 54.528 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX012061.D

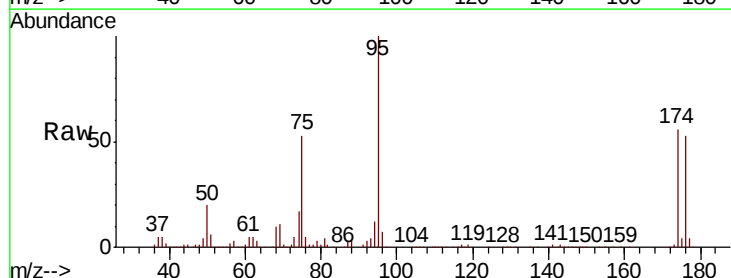
Acq: 04 Sep 2019 19:31

Tgt Ion: 75 Resp: 63409

Ion Ratio Lower Upper

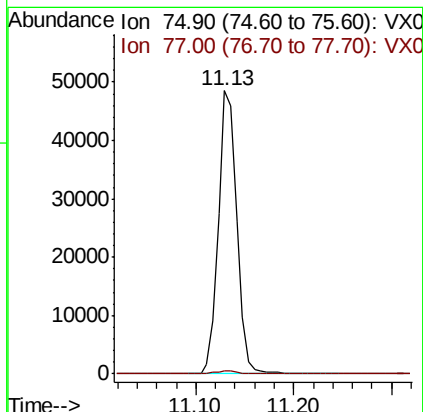
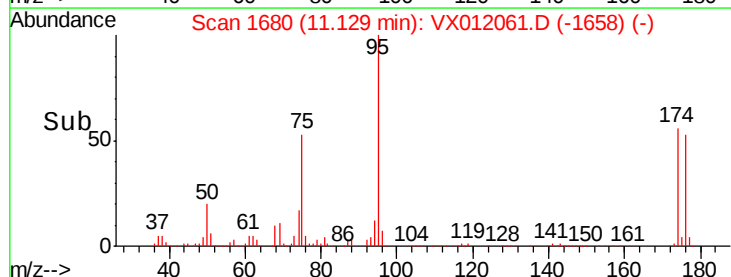
75 100

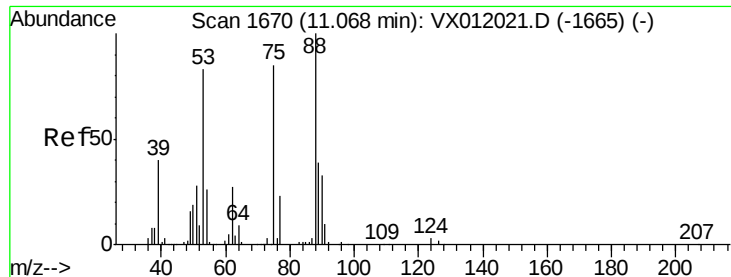
77 1.4 23.5 70.5#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

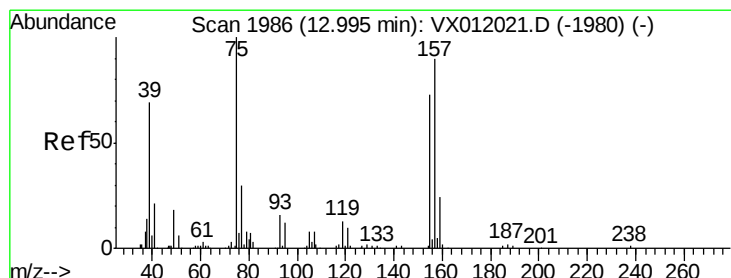
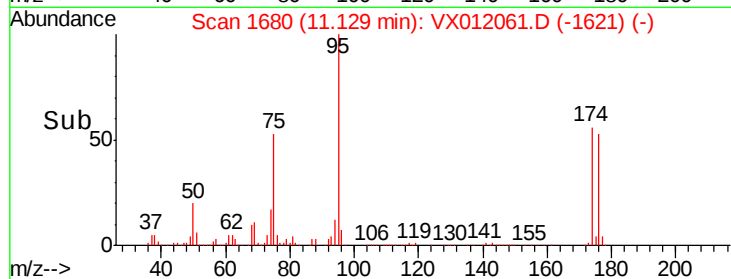
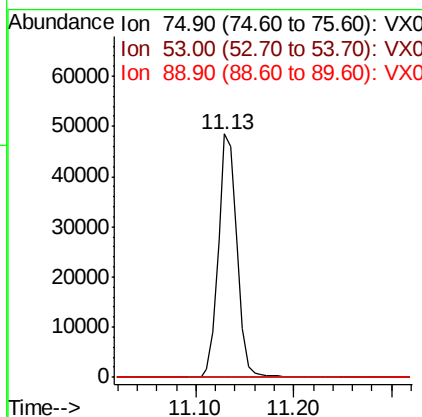
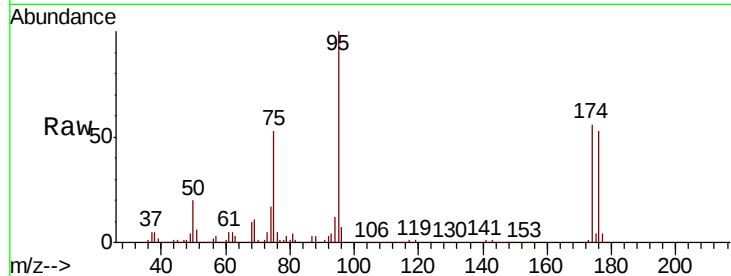




#81
trans-1,4-Dichloro-2-butene
Concen: 128.913 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. 0.06 min
Lab File: VX012061.D
Acq: 04 Sep 2019 19:31

Instrument :
MSVOA_X
ClientSampleId :
T3-S-A(0)

Tgt Ion: 75 Resp: 63409
Ion Ratio Lower Upper
75 100
53 0.2 78.6 117.8#
89 0.0 38.8 58.2#



#92
1,2-Dibromo-3-Chloropropane
Concen: 1.080 ug/l
RT: 12.81 min Scan# 1955
Delta R.T. -0.19 min
Lab File: VX012061.D
Acq: 04 Sep 2019 19:31

Tgt Ion: 75 Resp: 329
Ion Ratio Lower Upper
75 100
155 11.6 51.7 155.2#
157 0.0 66.9 200.7#

