

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX091119\
 Data File : VX012305.D
 Acq On : 11 Sep 2019 16:33
 Operator : SY/SP
 Sample : K4643-14
 Misc : 5.14g/5.0mL/MSVOA_X/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 T11-C4-(0)

Quant Time: Sep 12 05:40:09 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091019S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 10 12:55:26 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	169133	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	288120	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	252113	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	106073	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	113904	47.63	ug/l	0.00
Spiked Amount			Recovery	=	95.26%	
35) Dibromofluoromethane	5.48	113	87526	47.39	ug/l	0.00
Spiked Amount			Recovery	=	94.78%	
50) Toluene-d8	8.71	98	344136	53.12	ug/l	0.00
Spiked Amount			Recovery	=	106.24%	
62) 4-Bromofluorobenzene	11.13	95	126513	42.13	ug/l	0.00
Spiked Amount			Recovery	=	84.26%	

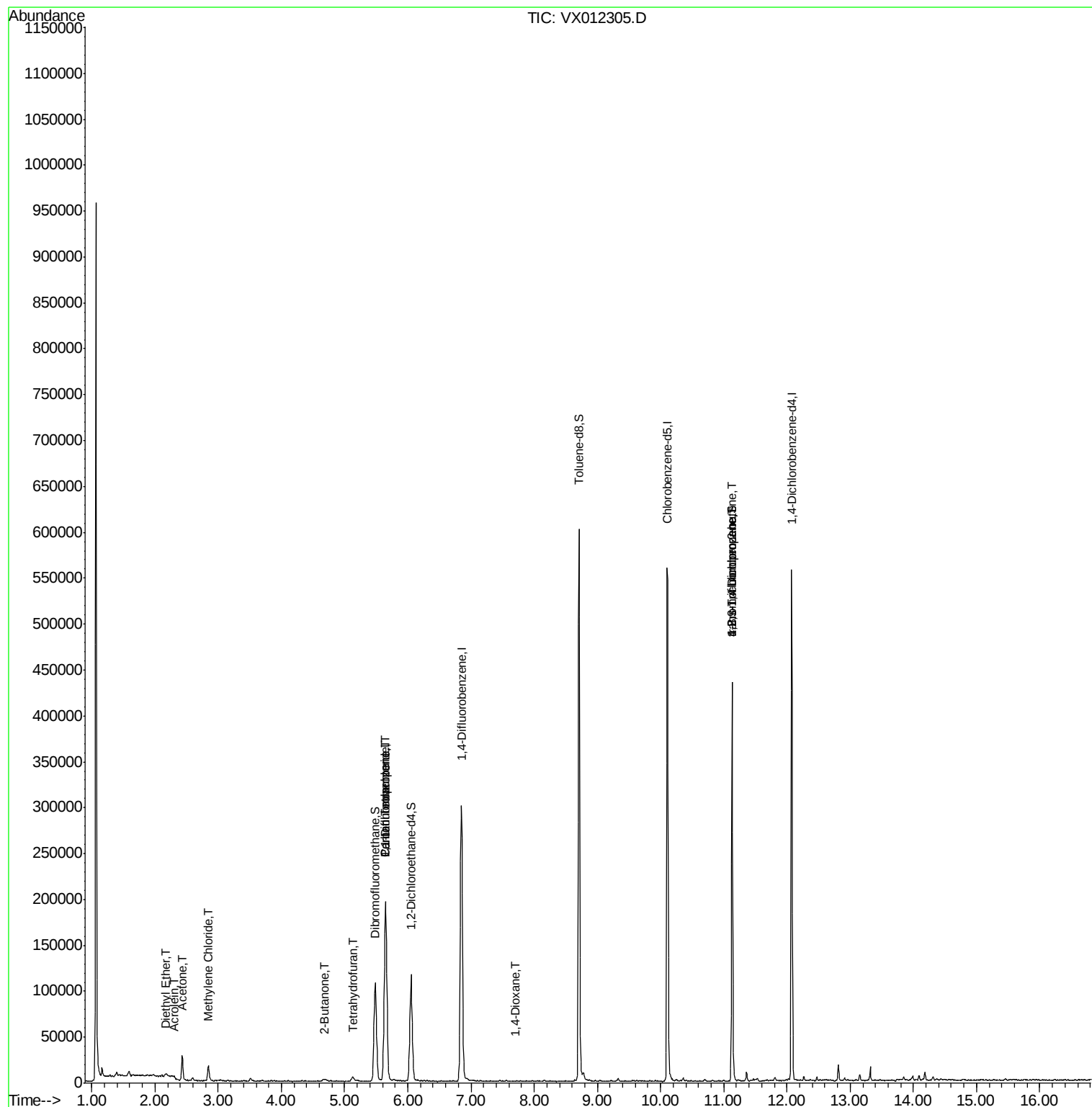
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	236	Below Cal	#	77
8) Diethyl Ether	2.17	74	1114	1.460	ug/l	98
11) Tert butyl alcohol	3.03	59	1137	Below Cal	#	74
13) Acrolein	2.30	56	285	2.280	ug/l #	55
16) Acetone	2.43	43	27908	49.301	ug/l	99
20) Methylene Chloride	2.84	84	7106	1.466	ug/l	91
25) 2-Butanone	4.68	43	2098	2.899	ug/l #	58
29) Tetrahydrofuran	5.13	42	4244	10.870	ug/l	96
36) 1,1-Dichloropropene	5.65	75	15494	7.375	ug/l #	52
38) Carbon Tetrachloride	5.65	117	19649	7.972	ug/l #	14
49) 1,4-Dioxane	7.70	88	26	1.470	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	67911	49.837	ug/l #	38
81) trans-1,4-Dichloro-2-buten	11.13	75	67911	149.323	ug/l #	5

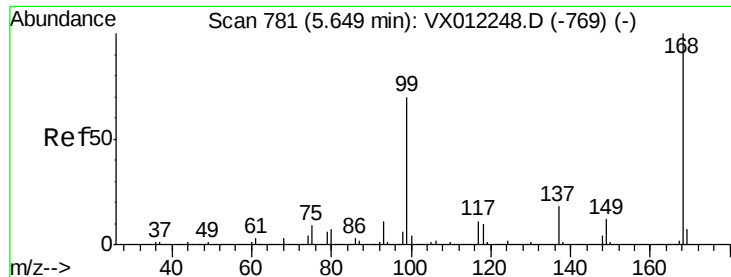
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX091119\
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Quant Time: Sep 12 05:40:09 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X091019S.M
Quant Title : SW846 8260
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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: VX012305.D

Acq: 11 Sep 2019 16:33

Instrument :

MSVOA_X

ClientSampleId :

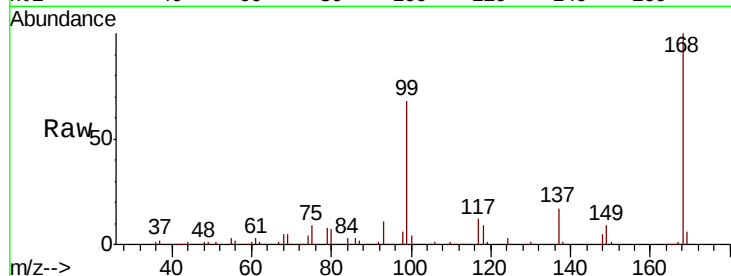
T11-C4-(0)

Tgt Ion:168 Resp: 169133

Ion Ratio Lower Upper

168 100

99 67.9 55.8 83.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

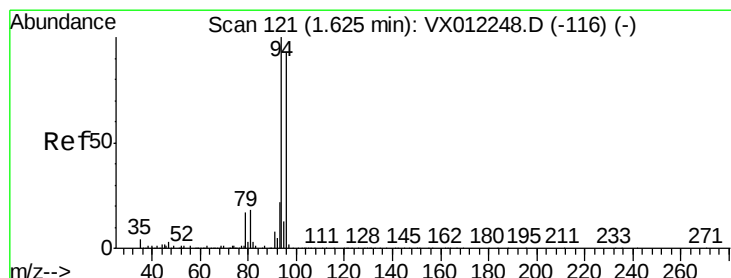
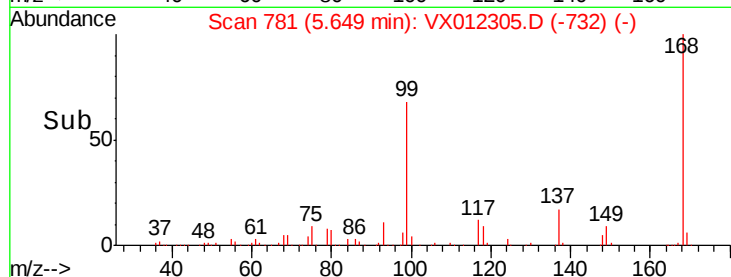
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: Below Cal

RT: 1.64 min Scan# 123

Delta R.T. 0.01 min

Lab File: VX012305.D

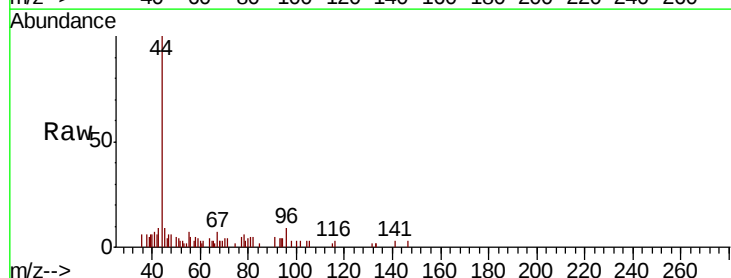
Acq: 11 Sep 2019 16:33

Tgt Ion: 94 Resp: 236

Ion Ratio Lower Upper

94 100

96 114.6 74.0 111.0#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

250

200

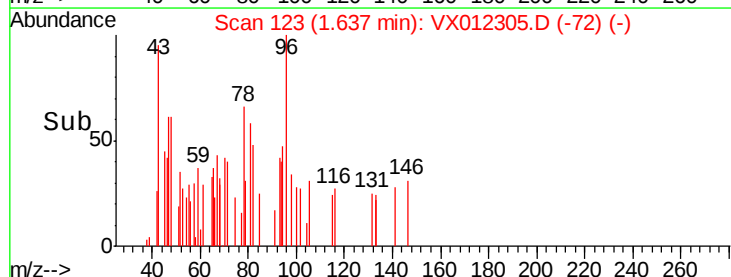
150

100

50

0

Time--> 1.60 1.62 1.64





#8

Diethyl Ether

Concen: 1.460 ug/l

RT: 2.17 min Scan# 211

Delta R.T. 0.00 min

Lab File: VX012305.D

Acq: 11 Sep 2019 16:33

Instrument :

MSVOA_X

ClientSampleId :

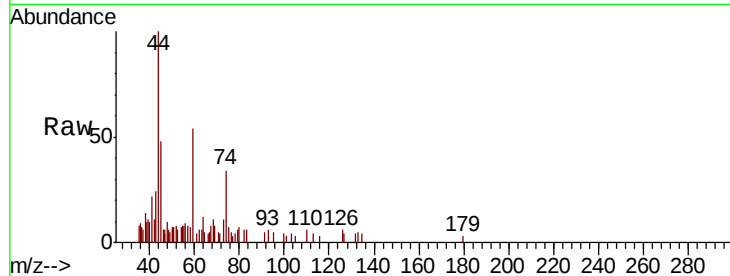
T11-C4-(0)

Tgt Ion: 74 Resp: 1114

Ion Ratio Lower Upper

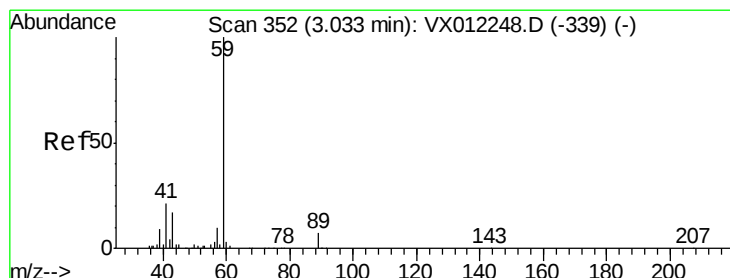
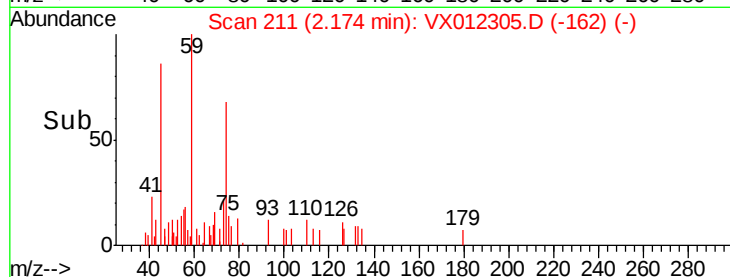
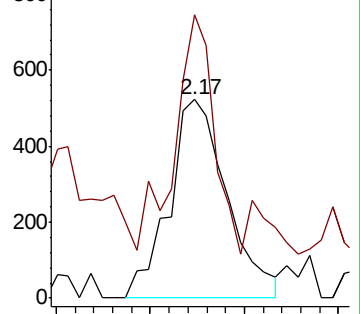
74 100

45 100.7 51.3 153.9



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0



#11

Tert butyl alcohol

Concen: Below Cal

RT: 3.03 min Scan# 351

Delta R.T. -0.01 min

Lab File: VX012305.D

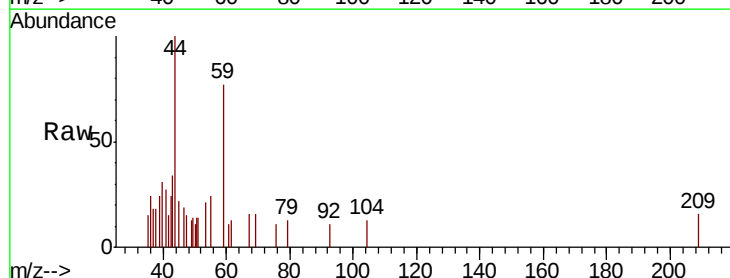
Acq: 11 Sep 2019 16:33

Tgt Ion: 59 Resp: 1137

Ion Ratio Lower Upper

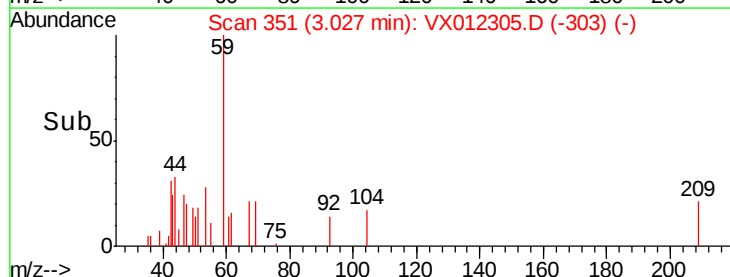
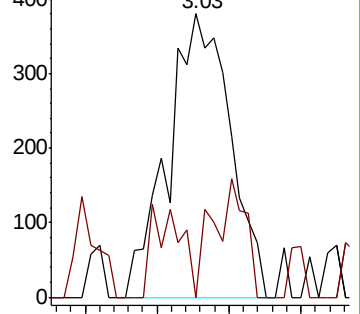
59 100

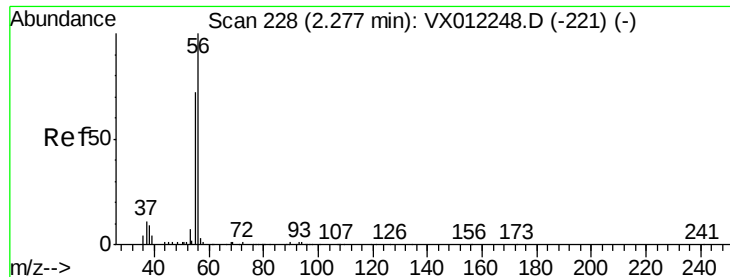
57 0.0 7.8 11.6#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 2.280 ug/l

RT: 2.30 min Scan# 232

Delta R.T. 0.02 min

Lab File: VX012305.D

Acq: 11 Sep 2019 16:33

Instrument :

MSVOA_X

ClientSampleId :

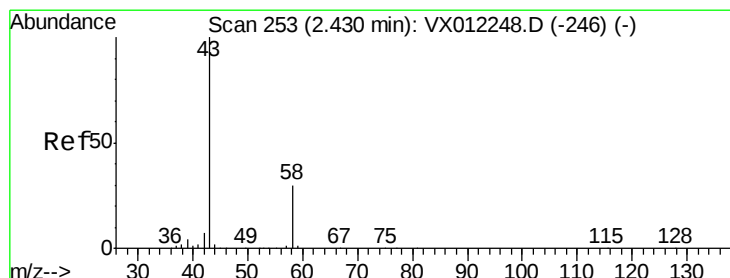
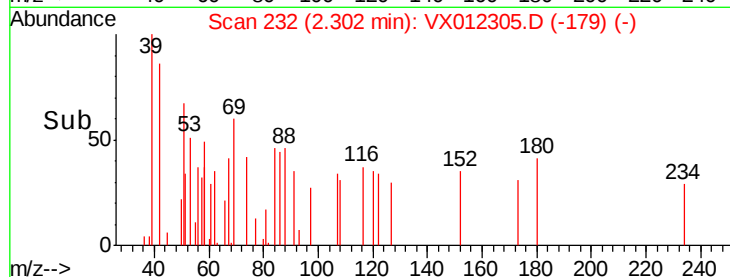
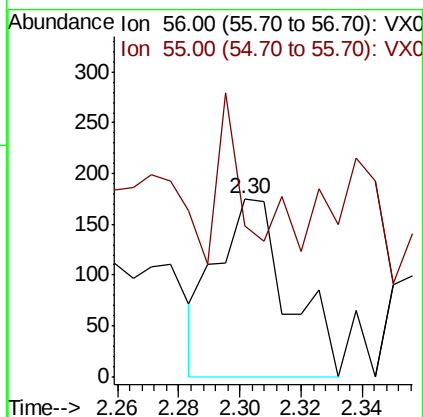
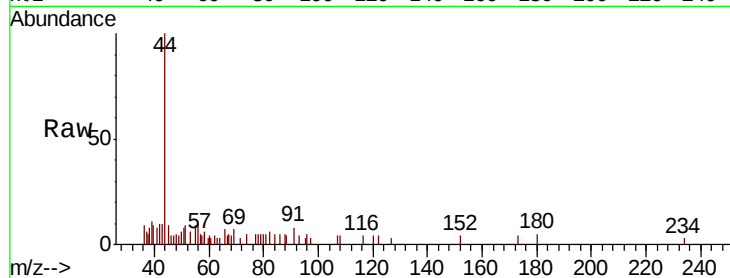
T11-C4-(0)

Tgt Ion: 56 Resp: 285

Ion Ratio Lower Upper

56 100

55 36.5 59.8 89.6#



#16

Acetone

Concen: 49.301 ug/l

RT: 2.43 min Scan# 253

Delta R.T. 0.00 min

Lab File: VX012305.D

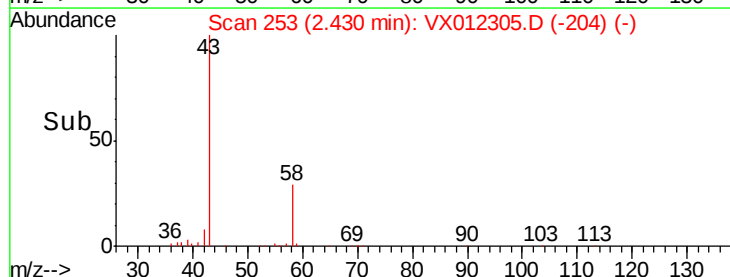
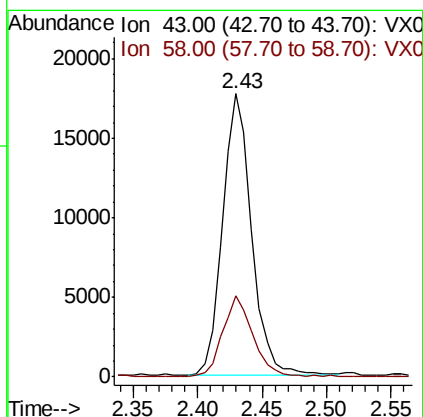
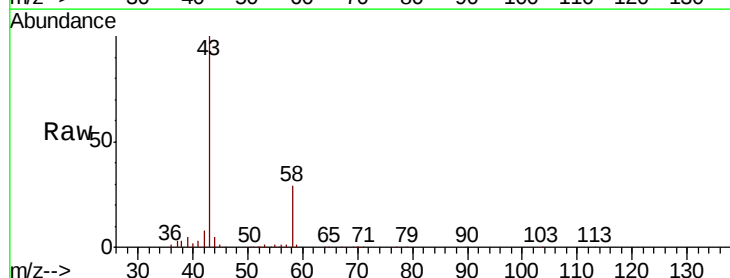
Acq: 11 Sep 2019 16:33

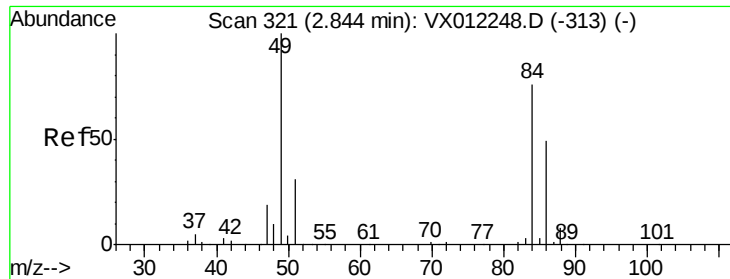
Tgt Ion: 43 Resp: 27908

Ion Ratio Lower Upper

43 100

58 29.1 23.6 35.4

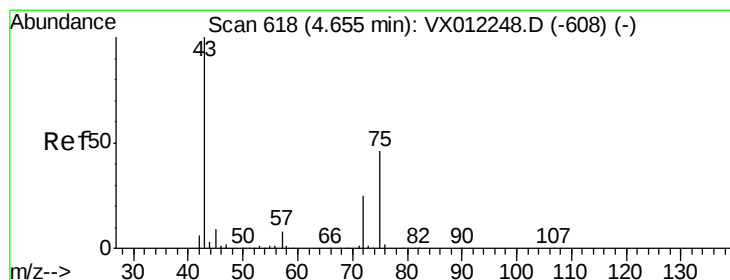
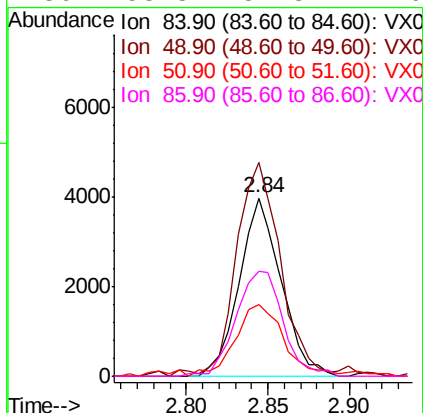
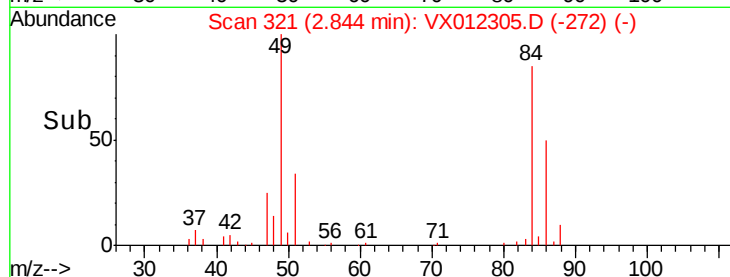
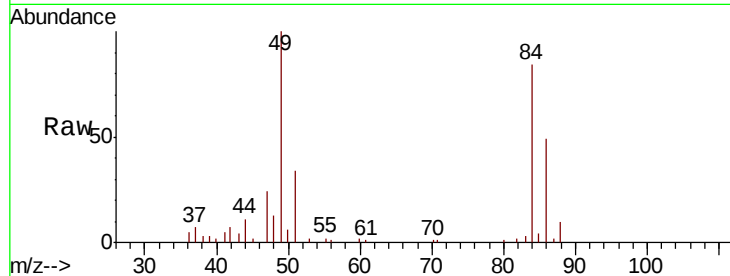




#20
Methylene Chloride
Concen: 1.466 ug/l
RT: 2.84 min Scan# 321
Delta R.T. 0.00 min
Lab File: VX012305.D
Acq: 11 Sep 2019 16:33

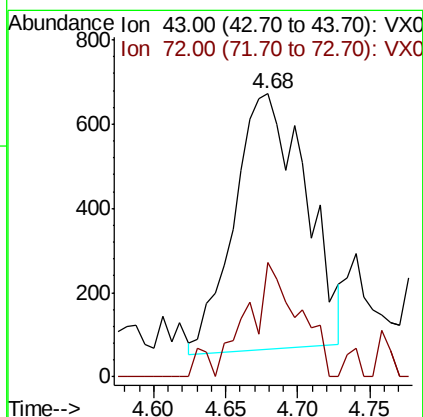
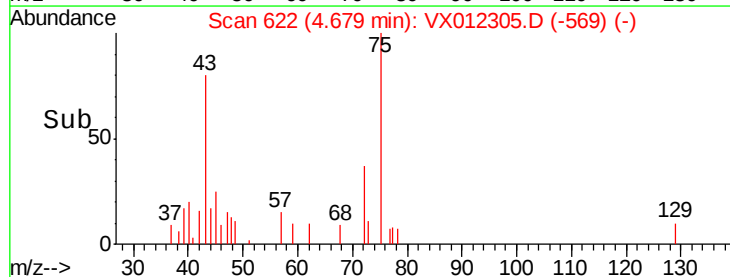
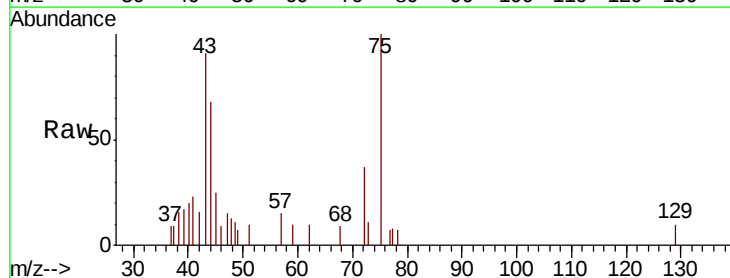
Instrument :
MSVOA_X
ClientSampled :
T11-C4-(0)

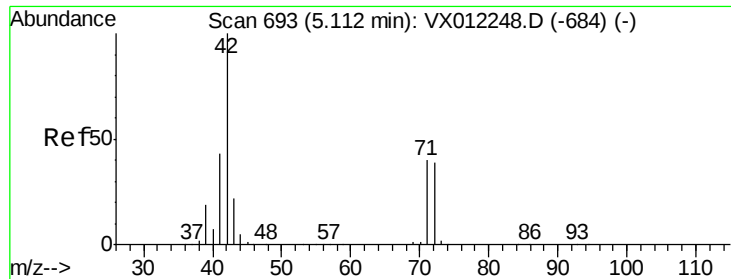
Tgt Ion: 84 Resp: 7106
Ion Ratio Lower Upper
84 100
49 116.8 105.0 157.6
51 40.2 32.6 48.8
86 58.8 51.8 77.6



#25
2-Butanone
Concen: 2.899 ug/l
RT: 4.68 min Scan# 622
Delta R.T. 0.02 min
Lab File: VX012305.D
Acq: 11 Sep 2019 16:33

Tgt Ion: 43 Resp: 2098
Ion Ratio Lower Upper
43 100
72 46.1 20.2 30.2#





#29

Tetrahydrofuran

Concen: 10.870 ug/l

RT: 5.13 min Scan# 696

Delta R.T. 0.02 min

Lab File: VX012305.D

Acq: 11 Sep 2019 16:33

Instrument :

MSVOA_X

ClientSampled :

T11-C4-(0)

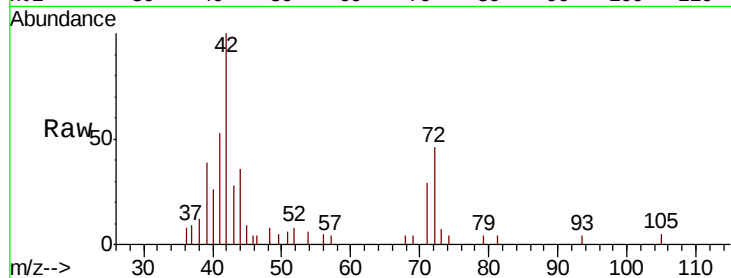
Tgt Ion: 42 Resp: 4244

Ion Ratio Lower Upper

42 100

72 42.9 35.2 52.8

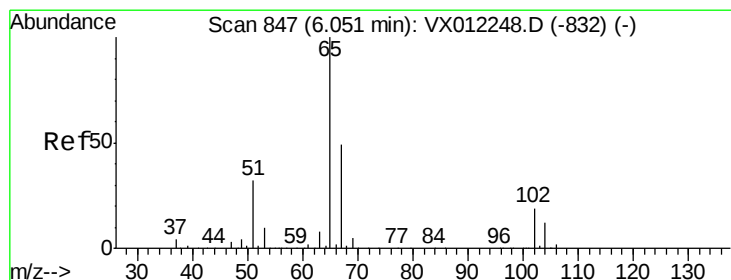
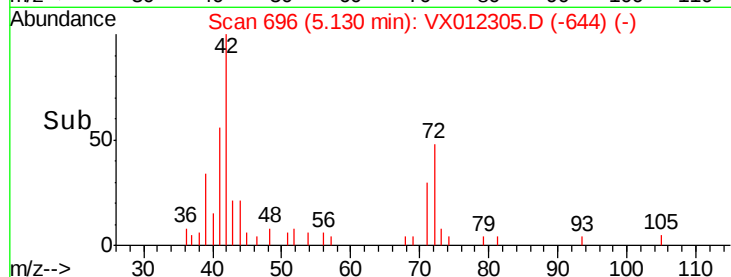
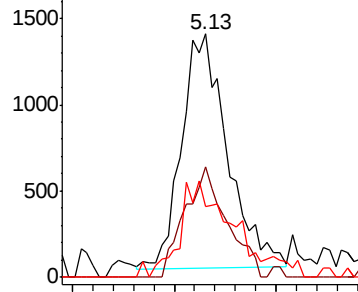
71 44.3 32.5 48.7



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: 47.634 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX012305.D

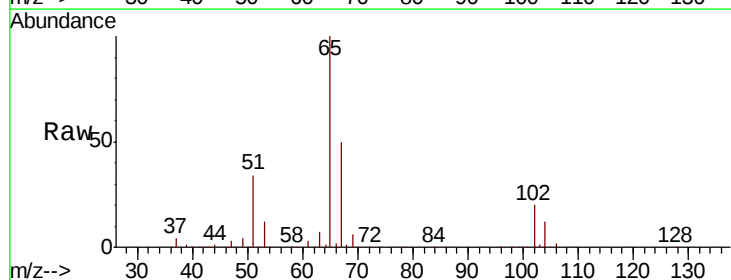
Acq: 11 Sep 2019 16:33

Tgt Ion: 65 Resp: 113904

Ion Ratio Lower Upper

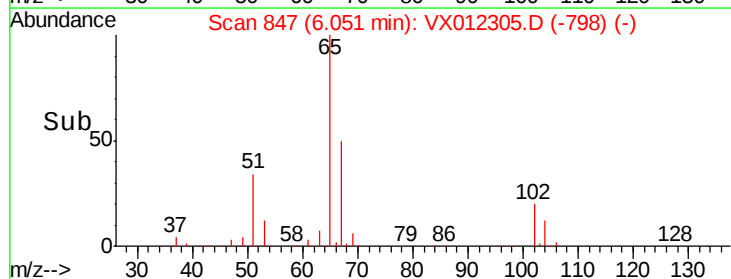
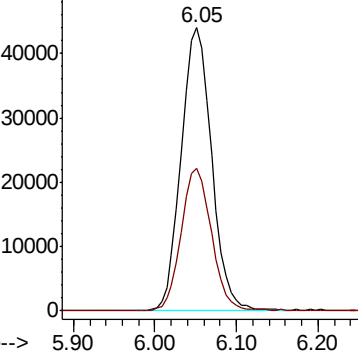
65 100

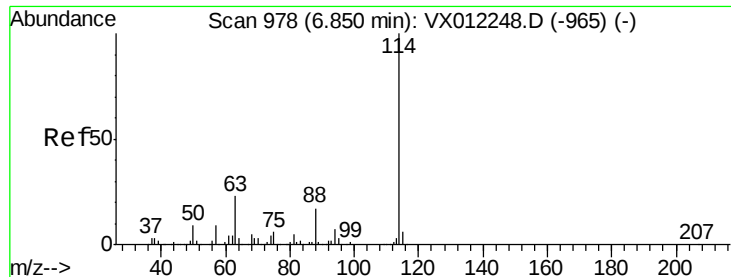
67 50.2 0.0 99.8



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: VX012305.D

Acq: 11 Sep 2019 16:33

Instrument :

MSVOA_X

ClientSampleId :

T11-C4-(0)

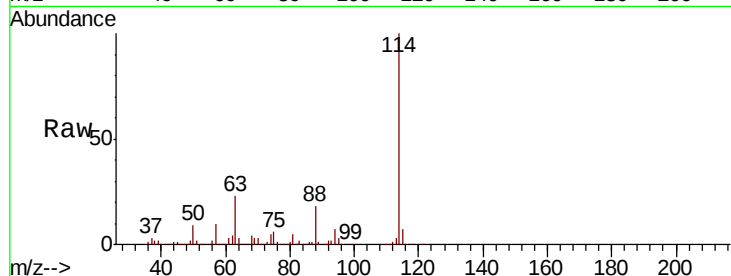
Tgt Ion:114 Resp: 288120

Ion Ratio Lower Upper

114 100

63 23.1 0.0 45.2

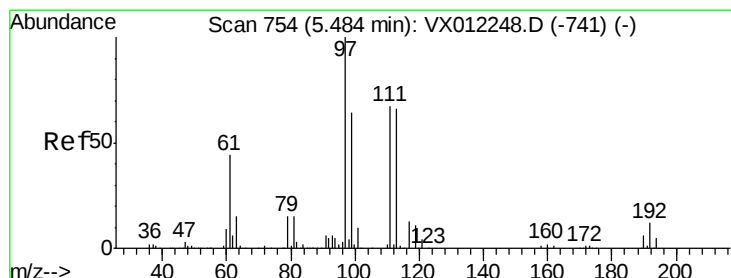
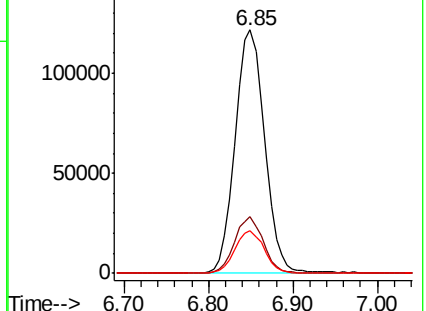
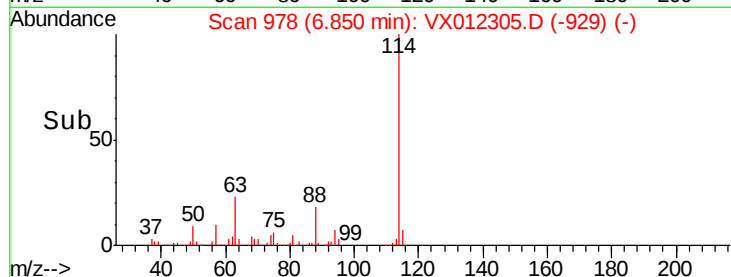
88 17.7 0.0 34.8



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: 47.389 ug/l

RT: 5.48 min Scan# 754

Delta R.T. 0.00 min

Lab File: VX012305.D

Acq: 11 Sep 2019 16:33

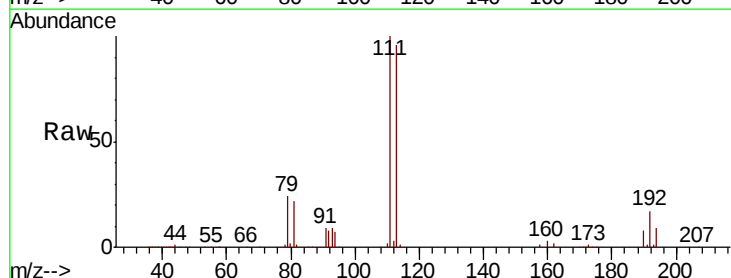
Tgt Ion:113 Resp: 87526

Ion Ratio Lower Upper

113 100

111 103.9 83.0 124.6

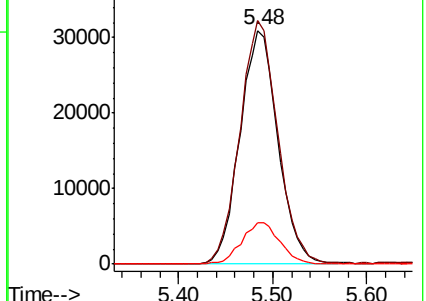
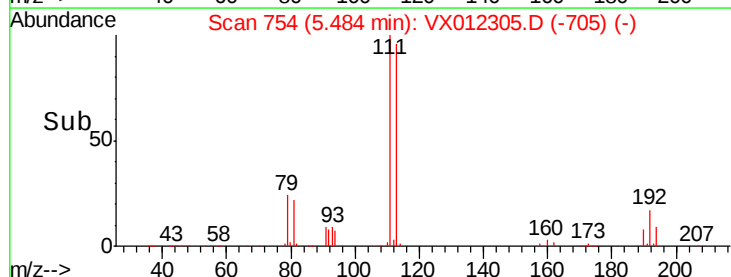
192 17.9 14.3 21.5

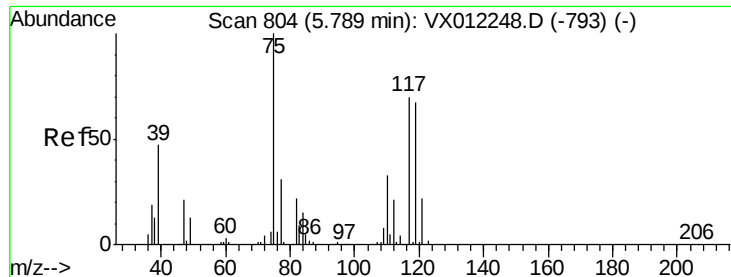


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

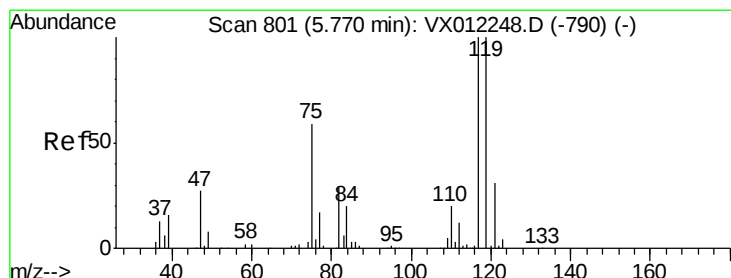
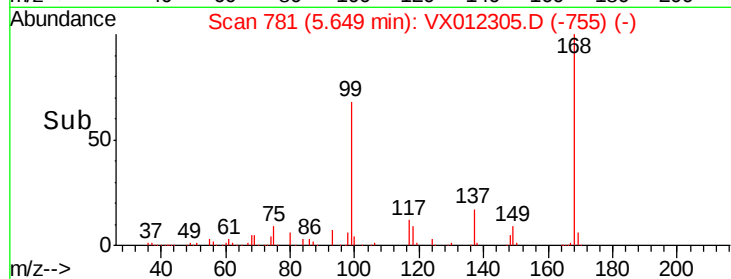
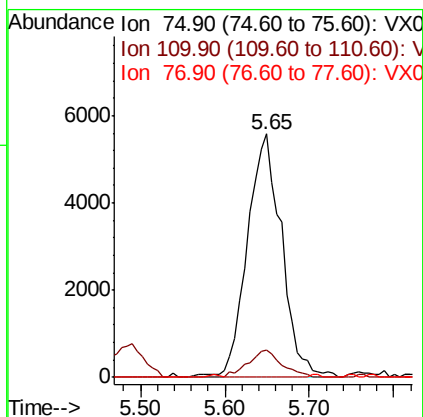
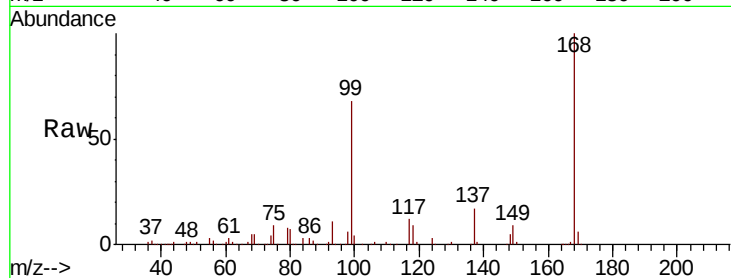




#36
 1,1-Dichloropropene
 Concen: 7.375 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.14 min
 Lab File: VX012305.D
 Acq: 11 Sep 2019 16:33

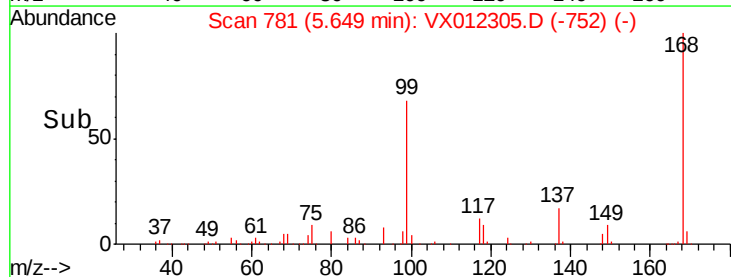
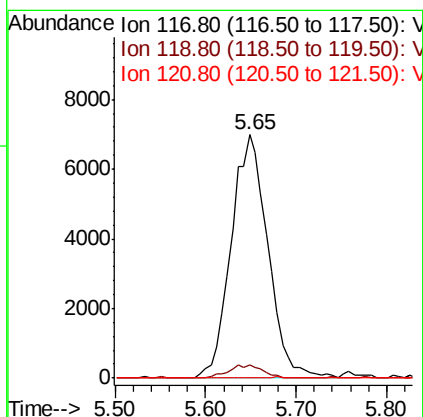
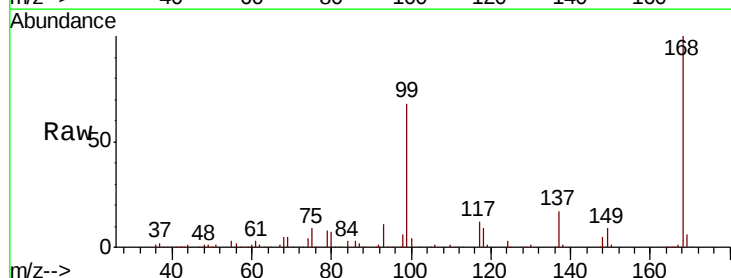
Instrument :
 MSVOA_X
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 T11-C4-(0)

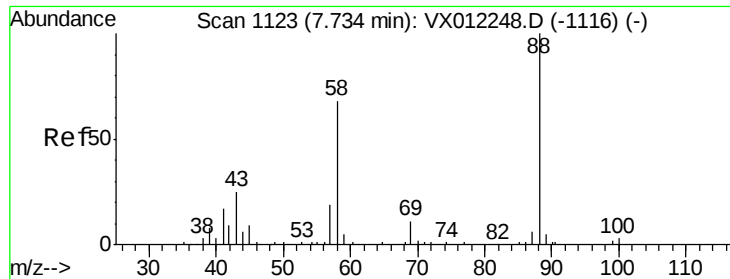
Tgt Ion: 75 Resp: 15494
 Ion Ratio Lower Upper
 75 100
 110 10.9 16.8 50.4#
 77 0.0 24.5 36.7#



#38
 Carbon Tetrachloride
 Concen: 7.972 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.12 min
 Lab File: VX012305.D
 Acq: 11 Sep 2019 16:33

Tgt Ion: 117 Resp: 19649
 Ion Ratio Lower Upper
 117 100
 119 5.2 79.6 119.4#
 121 0.0 24.7 37.1#

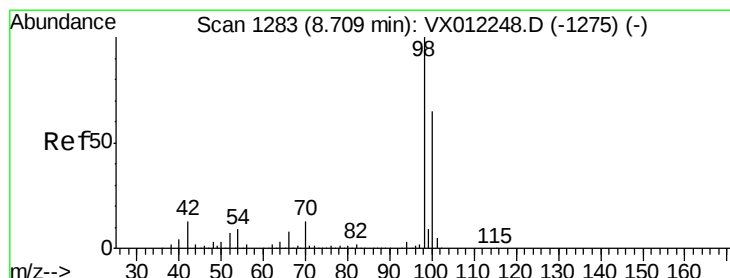
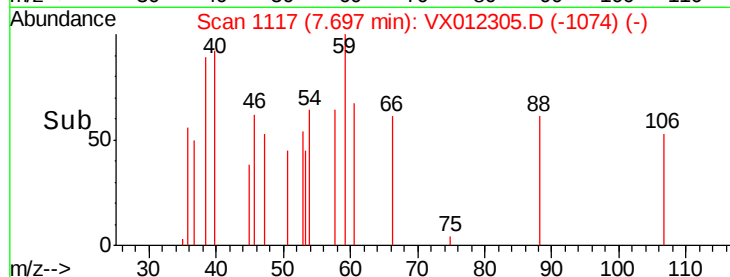
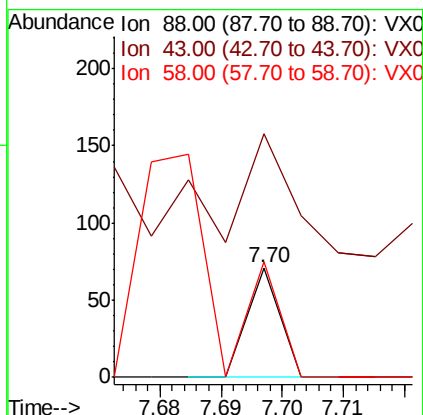
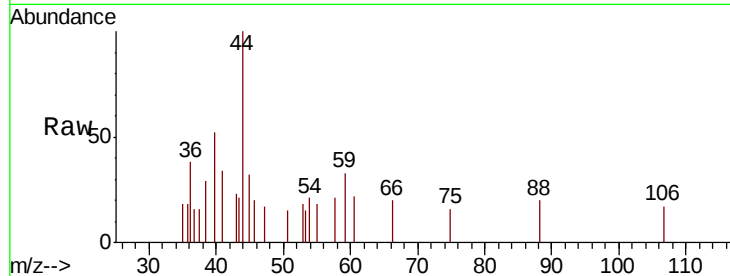




#49
1,4-Dioxane
Concen: 1.470 ug/l
RT: 7.70 min Scan# 1117
Delta R.T. -0.04 min
Lab File: VX012305.D
Acq: 11 Sep 2019 16:33

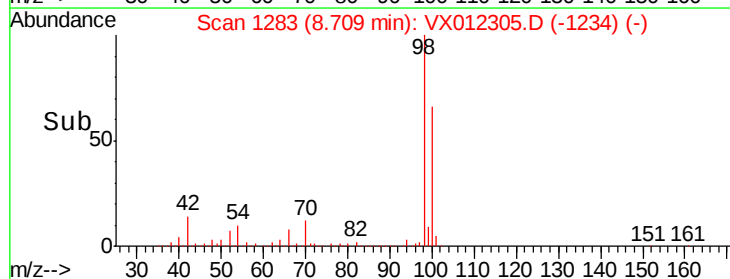
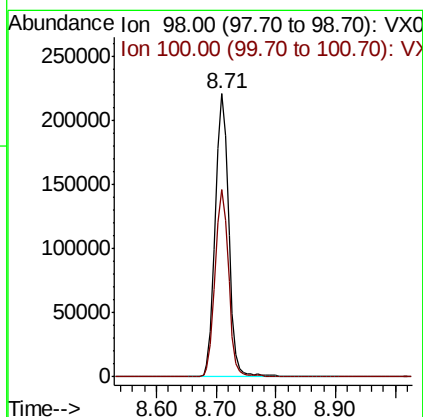
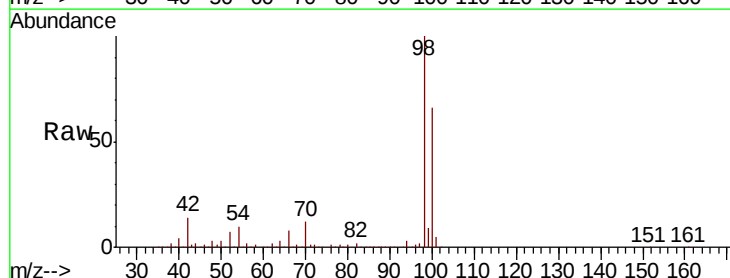
Instrument :
MSVOA_X
ClientSampleID :
T11-C4-(0)

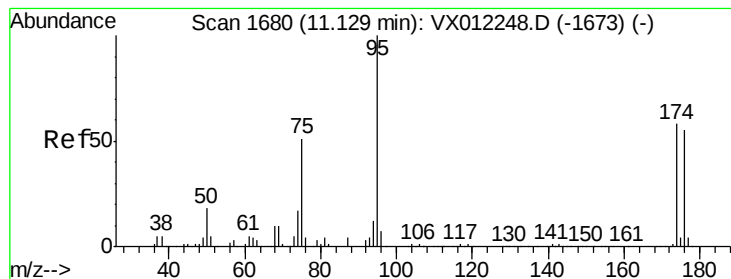
Tgt Ion: 88 Resp: 26
Ion Ratio Lower Upper
88 100
43 0.0 31.0 46.4#
58 507.7 61.5 92.3#



#50
Toluene-d8
Concen: 53.124 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX012305.D
Acq: 11 Sep 2019 16:33

Tgt Ion: 98 Resp: 344136
Ion Ratio Lower Upper
98 100
100 66.3 54.1 81.1





#62

4-Bromofluorobenzene

Concen: 42.126 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.00 min

Lab File: VX012305.D

Acq: 11 Sep 2019 16:33

Instrument :

MSVOA_X

ClientSampleId :

T11-C4-(0)

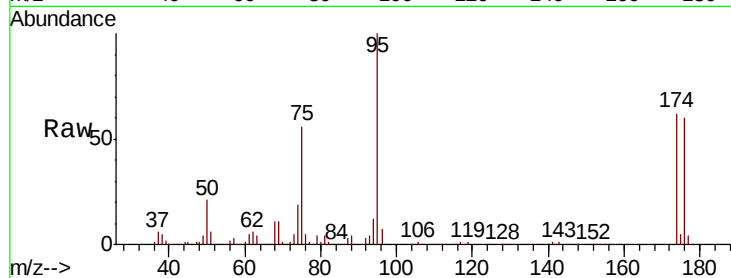
Tgt Ion: 95 Resp: 126513

Ion Ratio Lower Upper

95 100

174 67.4 0.0 127.0

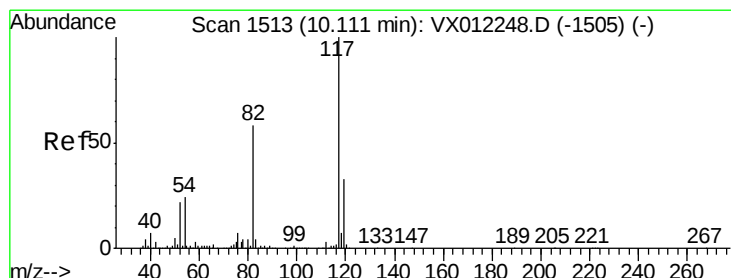
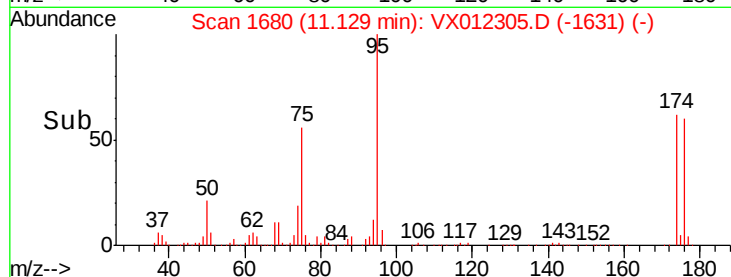
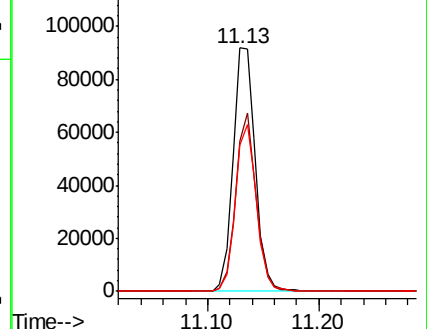
176 64.3 0.0 125.8



Abundance Ion 94.90 (94.60 to 95.60): VX012248.D (-1673) (-)

Ion 173.80 (173.50 to 174.50): VX012248.D (-1673) (-)

Ion 175.80 (175.50 to 176.50): VX012248.D (-1673) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VX012305.D

Acq: 11 Sep 2019 16:33

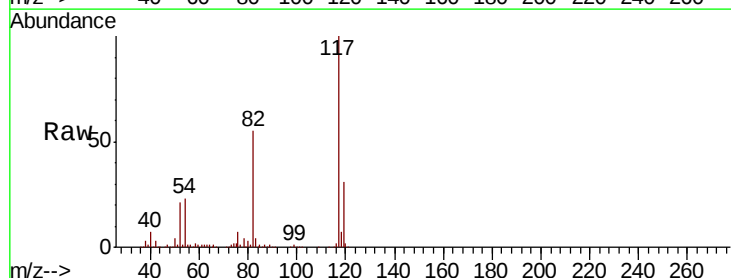
Tgt Ion: 117 Resp: 252113

Ion Ratio Lower Upper

117 100

82 54.9 46.4 69.6

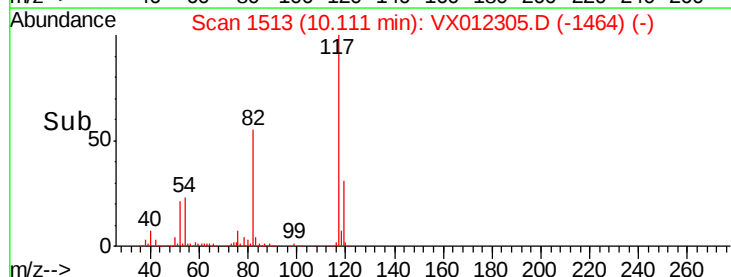
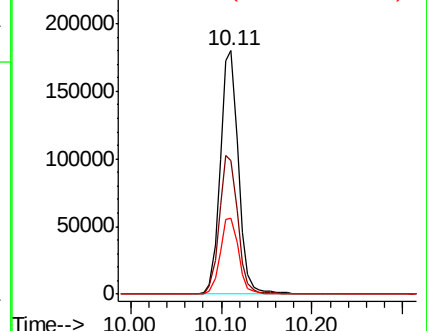
119 31.4 26.6 39.8

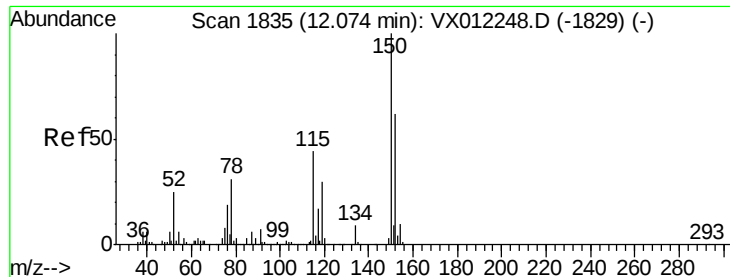


Abundance Ion 116.90 (116.60 to 117.60): VX012248.D (-1505) (-)

Ion 82.00 (81.70 to 82.70): VX012248.D (-1505) (-)

Ion 118.90 (118.60 to 119.60): VX012248.D (-1505) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX012305.D

Acq: 11 Sep 2019 16:33

Instrument :

MSVOA_X

ClientSampleId :

T11-C4-(0)

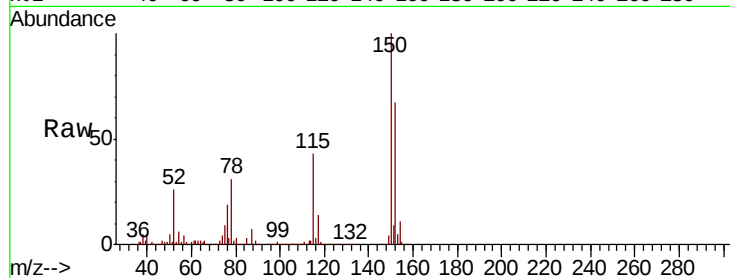
Tgt Ion:152 Resp: 106073

Ion Ratio Lower Upper

152 100

115 64.4 45.5 136.4

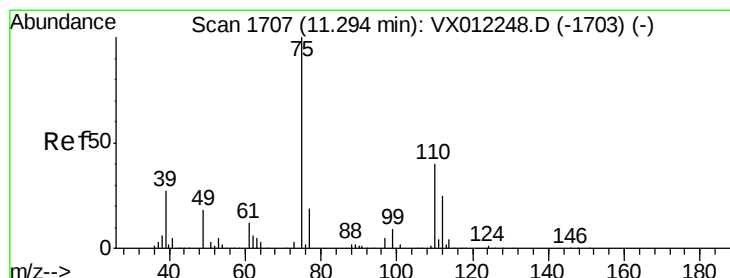
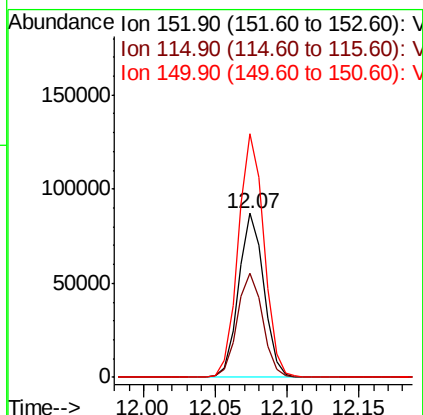
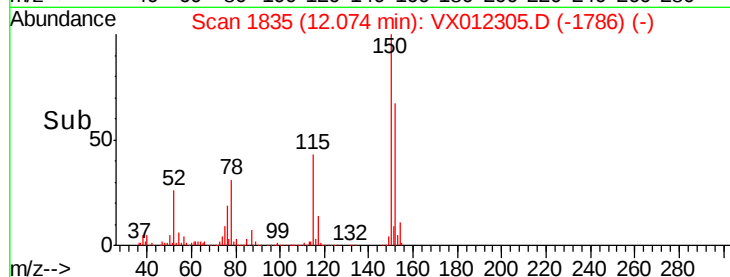
150 152.0 0.0 346.4



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: 49.837 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX012305.D

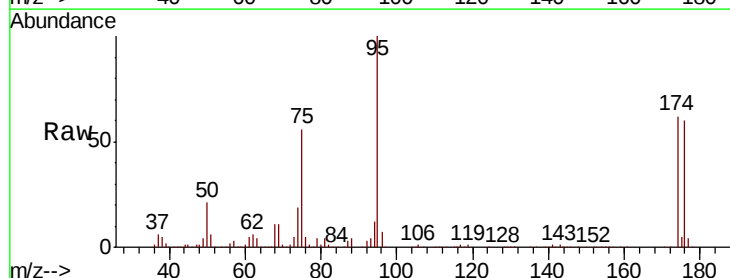
Acq: 11 Sep 2019 16:33

Tgt Ion: 75 Resp: 67911

Ion Ratio Lower Upper

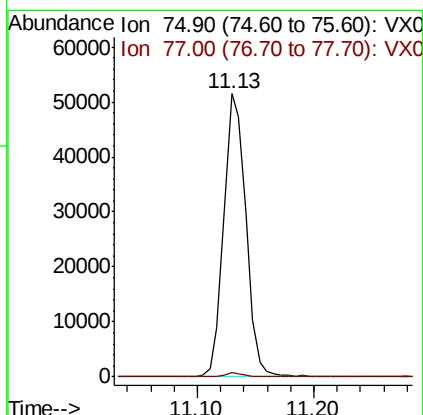
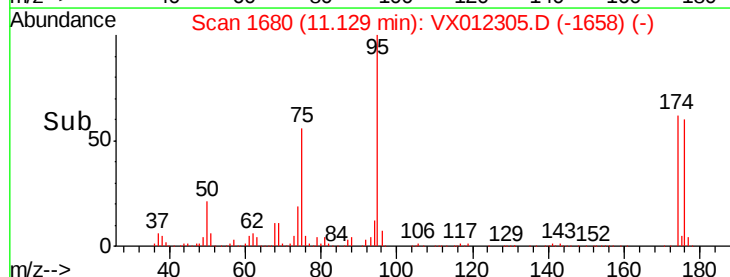
75 100

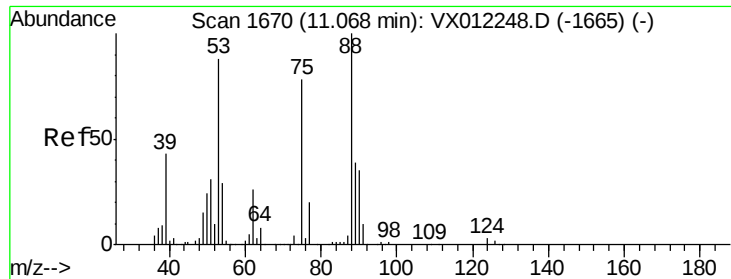
77 1.4 19.7 59.0#



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: 149.323 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX012305.D

Acq: 11 Sep 2019 16:33

Instrument :

MSVOA_X

ClientSampleId :

T11-C4-(0)

Tgt Ion: 75 Resp: 67911

Ion Ratio Lower Upper

75 100

53 0.0 88.1 132.1#

89 0.0 43.5 65.3#

