

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX101819\
 Data File : VX013133.D
 Acq On : 18 Oct 2019 17:31
 Operator : JC/SP
 Sample : K5451-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FA19-GMZ1FLDDN-TB1

Quant Time: Oct 18 23:58:51 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X100819W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 16 07:26:22 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	164252	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	262342	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	217430	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	84468	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	100689	49.05	ug/l	0.00
Spiked Amount			Recovery	=	98.10%	
35) Dibromofluoromethane	5.49	113	77813	51.68	ug/l	0.00
Spiked Amount			Recovery	=	103.36%	
50) Toluene-d8	8.71	98	301761	51.38	ug/l	0.00
Spiked Amount			Recovery	=	102.76%	
62) 4-Bromofluorobenzene	11.14	95	98113	43.00	ug/l	0.00
Spiked Amount			Recovery	=	86.00%	

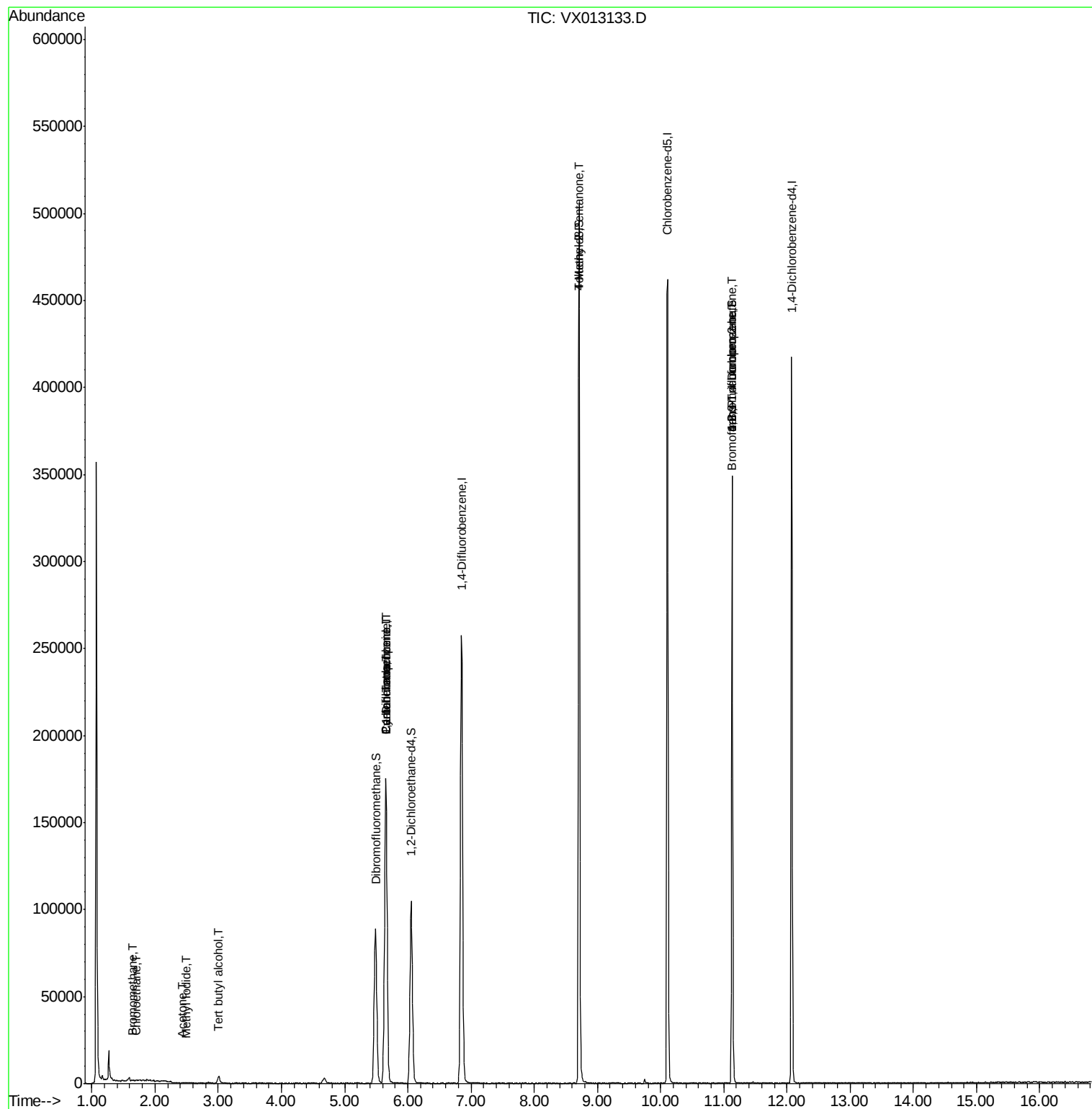
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	286	0.366	ug/l #	77
6) Chloroethane	1.70	64	107	0.460	ug/l #	43
10) Methyl Iodide	2.49	142	82	5.121	ug/l #	40
11) Tert butyl alcohol	3.01	59	2795	5.136	ug/l #	72
16) Acetone	2.43	43	223	0.206	ug/l	93
31) Cyclohexane	5.65	56	3455	1.160	ug/l #	1
36) 1,1-Dichloropropene	5.65	75	12769	5.536	ug/l #	51
38) Carbon Tetrachloride	5.66	117	16818	7.491	ug/l #	17
51) 4-Methyl-2-Pentanone	8.71	43	1412	0.547	ug/l #	1
71) Bromoform	11.12	173	107	3.211	ug/l #	29
76) 1,2,3-Trichloropropane	11.13	75	49194	26.258	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.13	75	49194	66.090	ug/l #	10

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

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Quant Title : SW846 8260
QLast Update : Wed Oct 16 07:26:22 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.01 min

Lab File: VX013133.D

Acq: 18 Oct 2019 17:31

Instrument :

MSVOA_X

ClientSampleId :

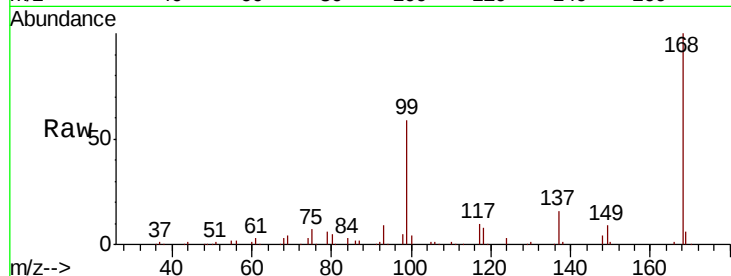
FA19-GMZ1FLDDN-TB1

Tot Ion:168 Resp: 164252

Ion Ratio Lower Upper

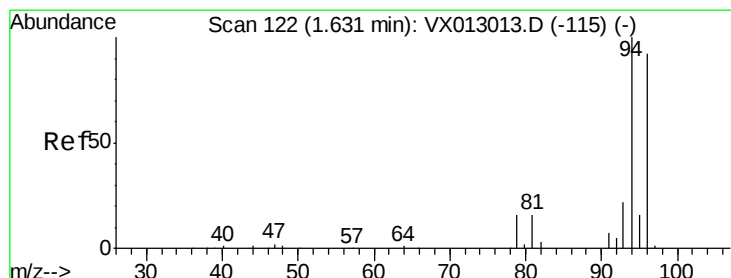
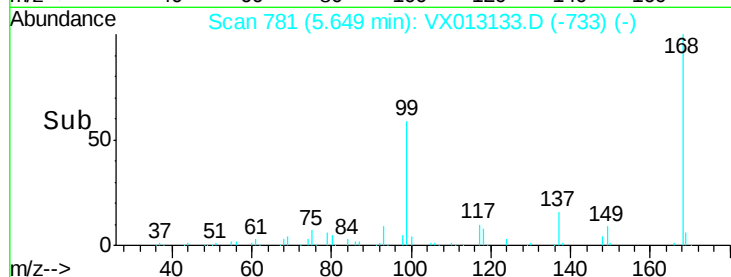
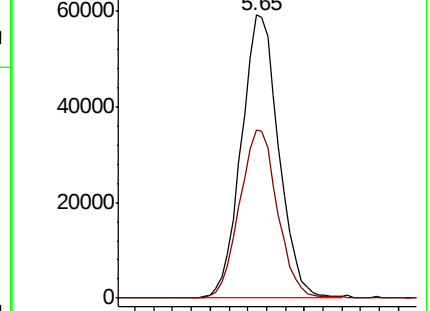
168 100

99 59.4 49.4 74.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#5

Bromomethane

Concen: 0.366 ug/l

RT: 1.65 min Scan# 125

Delta R.T. 0.02 min

Lab File: VX013133.D

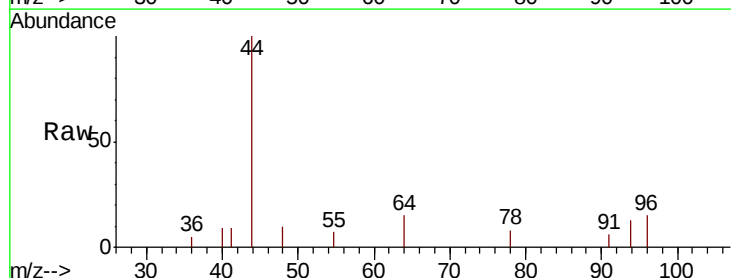
Acq: 18 Oct 2019 17:31

Tgt Ion: 94 Resp: 286

Ion Ratio Lower Upper

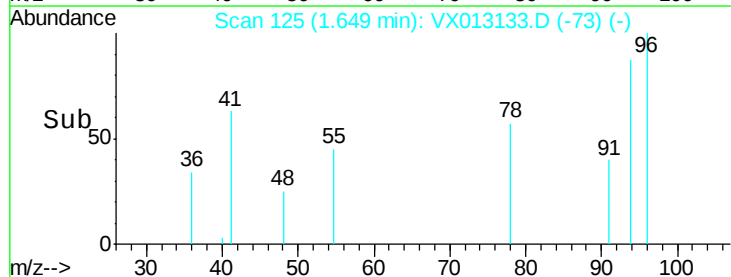
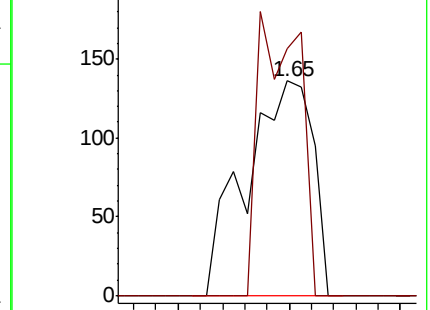
94 100

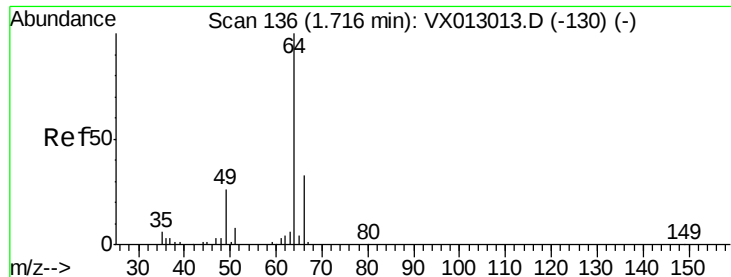
96 115.4 74.7 112.1#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#6

Chloroethane

Concen: 0.460 ug/l

RT: 1.70 min Scan# 133

Delta R.T. -0.01 min

Lab File: VX013133.D

Acq: 18 Oct 2019 17:31

Instrument :

MSVOA_X

ClientSampleId :

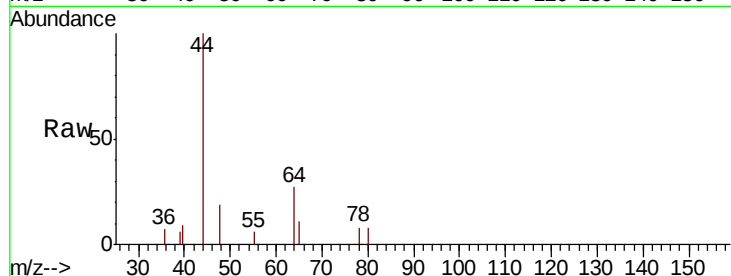
FA19-GMZ1FLDDN-TB1

Tot Ion: 64 Resp: 107

Ion Ratio Lower Upper

64 100

66 0.0 25.6 38.4#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.70

300

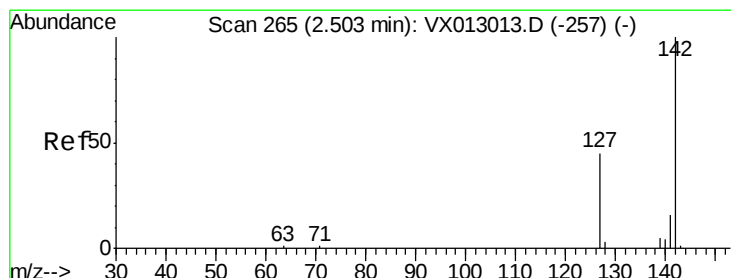
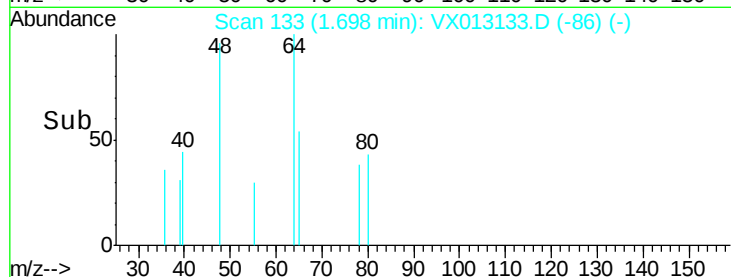
200

100

0

1.69 1.70 1.71

Time-->



#10

Methyl Iodide

Concen: 5.121 ug/l

RT: 2.49 min Scan# 263

Delta R.T. -0.01 min

Lab File: VX013133.D

Acq: 18 Oct 2019 17:31

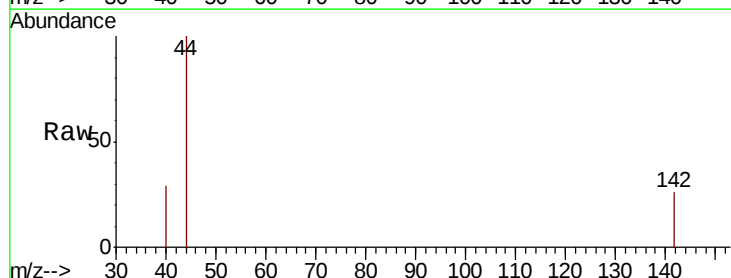
Tgt Ion: 142 Resp: 82

Ion Ratio Lower Upper

142 100

127 0.0 34.9 52.3#

141 0.0 11.6 17.4#



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

120

100

80

60

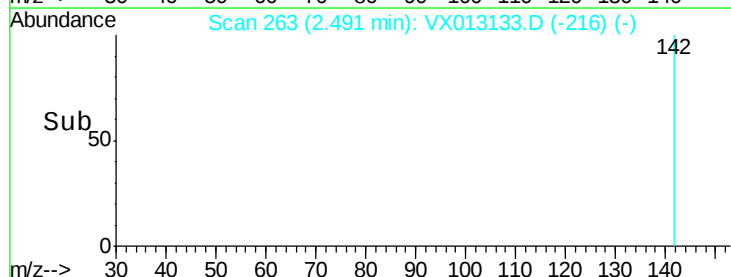
40

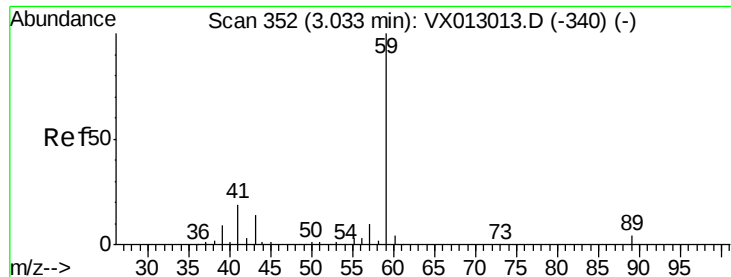
20

0

2.48 2.49 2.50

Time-->

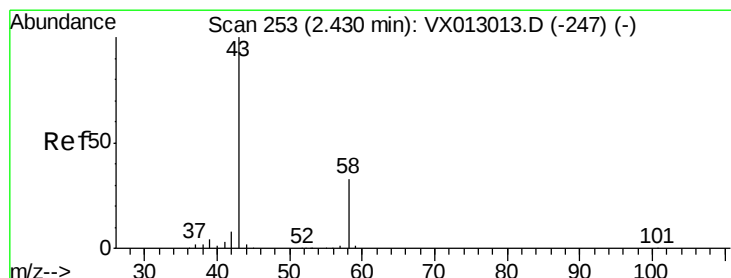
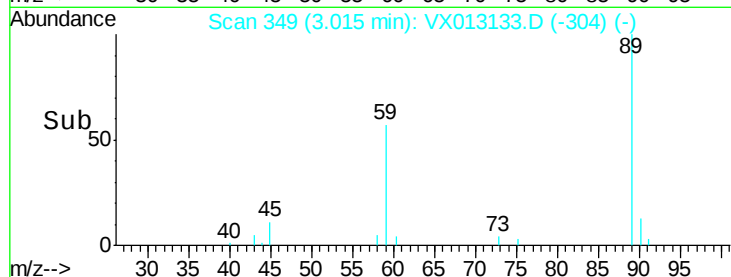
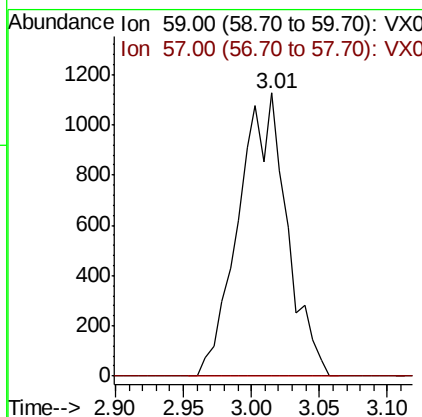
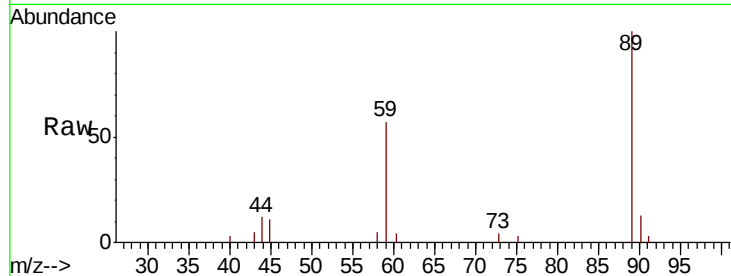




#11
 Tert butyl alcohol
 Concen: 5.136 ug/l
 RT: 3.01 min Scan# 349
 Delta R.T. -0.02 min
 Lab File: VX013133.D
 Acq: 18 Oct 2019 17:31

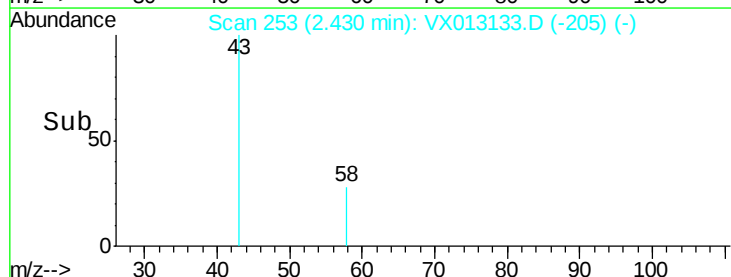
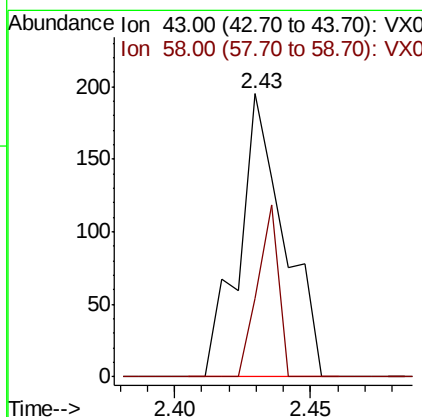
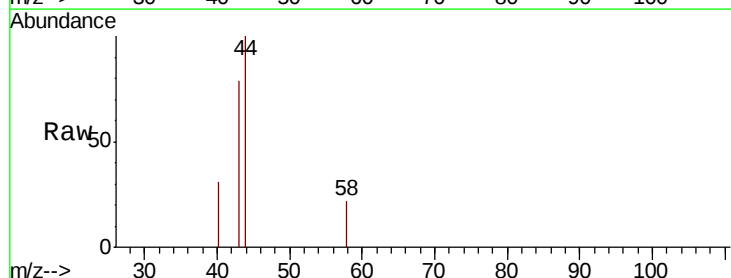
Instrument :
 MSVOA_X
 ClientSampleId :
 FA19-GMZ1FLDDN-TB1

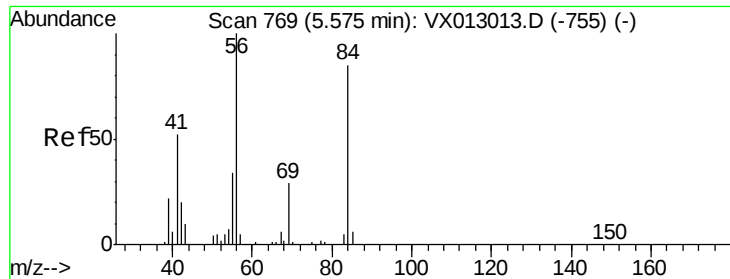
Tot Ion: 59 Resp: 2795
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.3 12.5#



#16
 Acetone
 Concen: 0.206 ug/l
 RT: 2.43 min Scan# 253
 Delta R.T. -0.01 min
 Lab File: VX013133.D
 Acq: 18 Oct 2019 17:31

Tgt Ion: 43 Resp: 223
 Ion Ratio Lower Upper
 43 100
 58 27.7 25.4 38.2

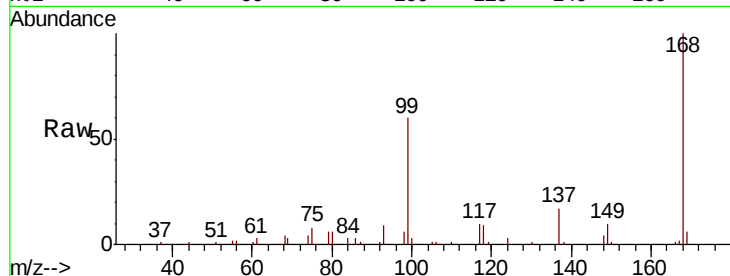




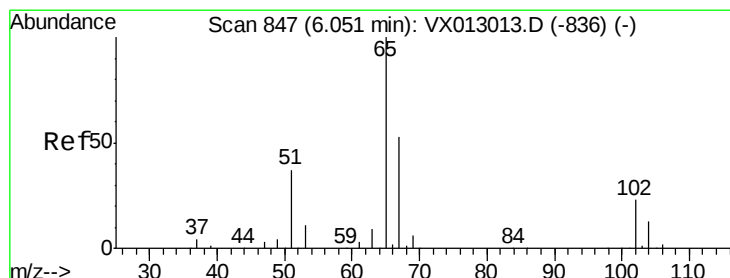
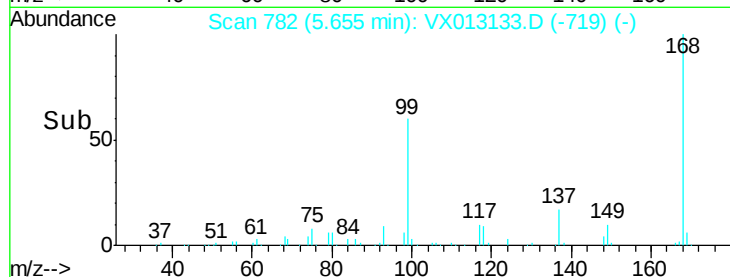
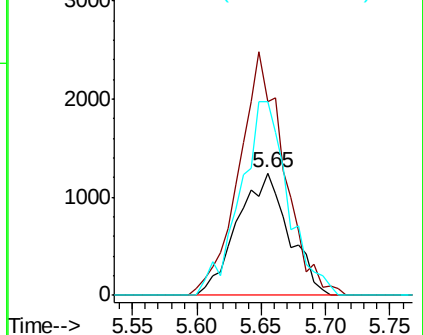
#31
Cyclohexane
Concen: 1.160 ug/l
RT: 5.65 min Scan# 782
Delta R.T. 0.09 min
Lab File: VX013133.D
Acq: 18 Oct 2019 17:31

Instrument :
MSVOA_X
ClientSampleId :
FA19-GMZ1FLDDN-TB1

Tot Ion: 56 Resp: 3455
Ion Ratio Lower Upper
56 100
69 157.9 25.2 37.8#
84 158.7 71.3 106.9#

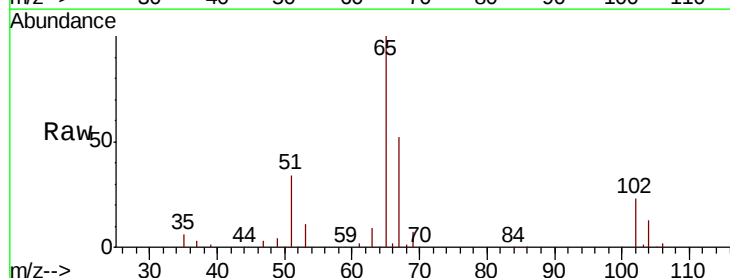


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

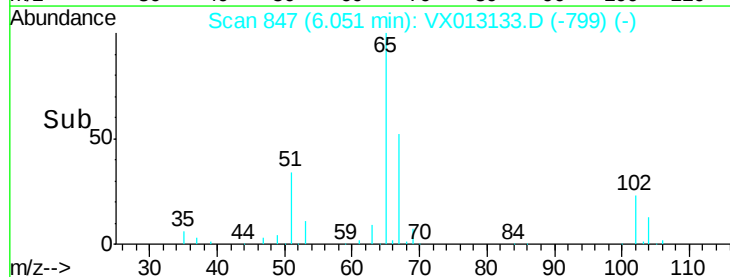
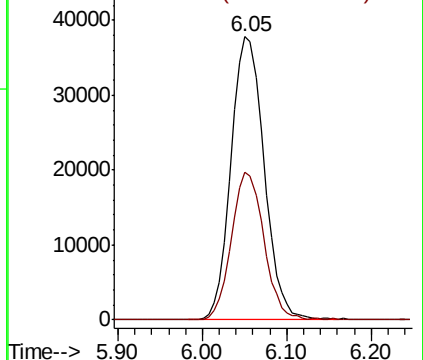


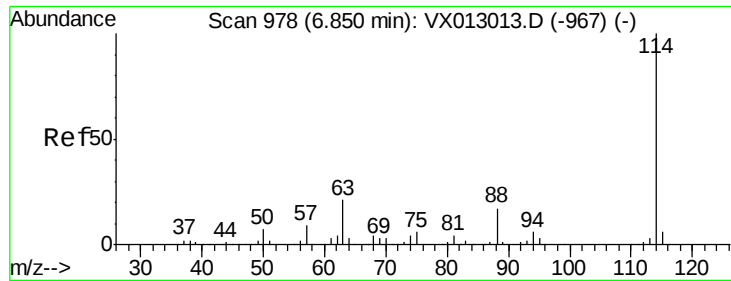
#33
1,2-Dichloroethane-d4
Concen: 49.046 ug/l
RT: 6.05 min Scan# 847
Delta R.T. -0.01 min
Lab File: VX013133.D
Acq: 18 Oct 2019 17:31

Tgt Ion: 65 Resp: 100689
Ion Ratio Lower Upper
65 100
67 51.2 0.0 104.4



Abundance Ion 64.90 (64.60 to 65.60): VX0
Ion 66.90 (66.60 to 67.60): VX0

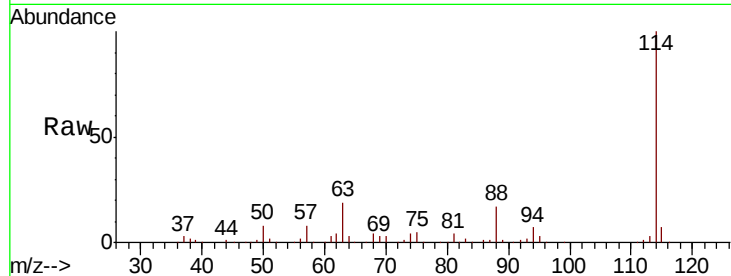




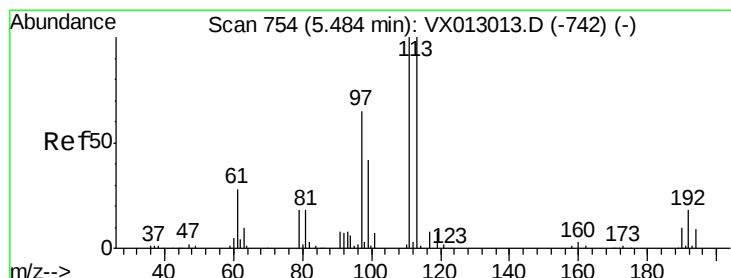
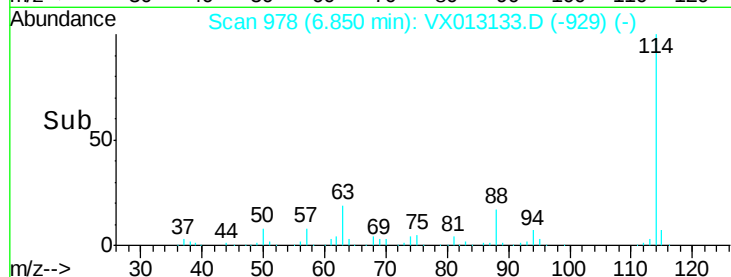
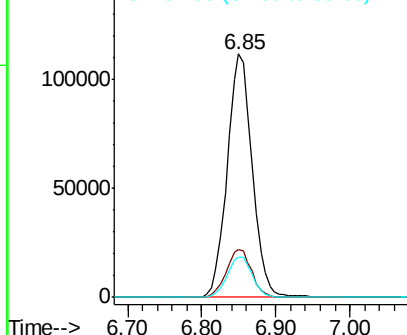
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX013133.D
 Acq: 18 Oct 2019 17:31

Instrument :
 MSVOA_X
 ClientSampleId :
 FA19-GMZ1FLDDN-TB1

Tot Ion:114 Resp: 262342
 Ion Ratio Lower Upper
 114 100
 63 19.5 0.0 40.8
 88 16.5 0.0 33.8

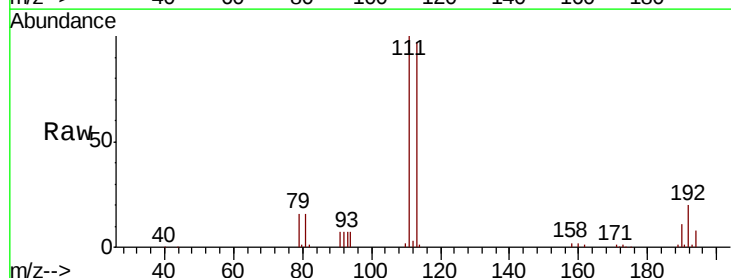


Abundance Ion 113.90 (113.60 to 114.60): V
 150000 Ion 63.00 (62.70 to 63.70): VX
 Ion 87.90 (87.60 to 88.60): VX

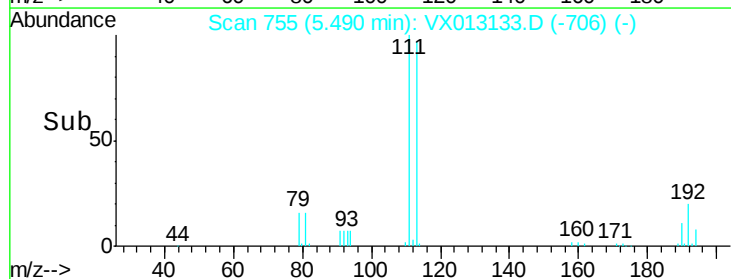
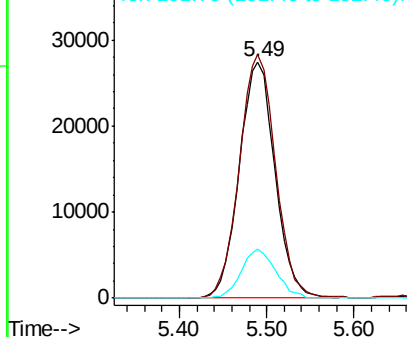


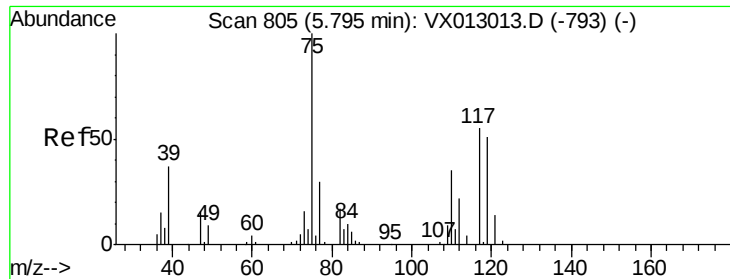
#35
 Dibromofluoromethane
 Concen: 51.679 ug/l
 RT: 5.49 min Scan# 755
 Delta R.T. 0.00 min
 Lab File: VX013133.D
 Acq: 18 Oct 2019 17:31

Tgt Ion:113 Resp: 77813
 Ion Ratio Lower Upper
 113 100
 111 104.8 83.2 124.8
 192 20.3 15.4 23.2



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: 5.536 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.13 min

Lab File: VX013133.D

Acq: 18 Oct 2019 17:31

Instrument :

MSVOA_X

ClientSampleId :

FA19-GMZ1FLDDN-TB1

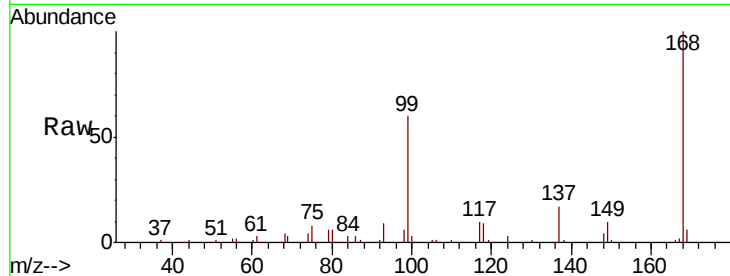
Tot Ion: 75 Resp: 12769

Ion Ratio Lower Upper

75 100

110 10.6 17.6 52.9#

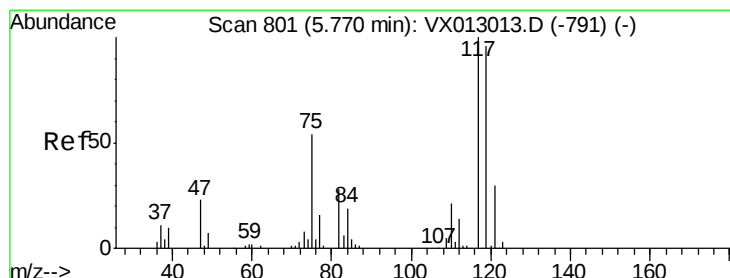
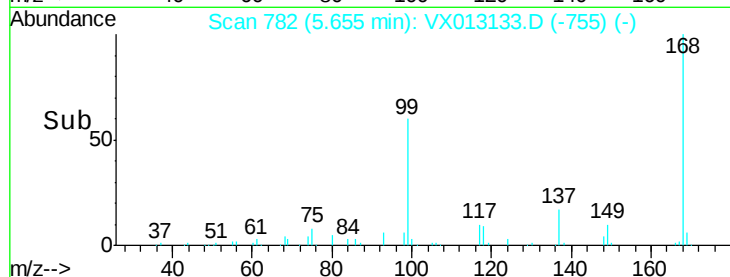
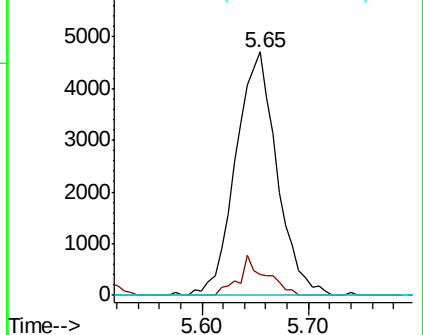
77 0.0 24.4 36.6#



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: 7.491 ug/l

RT: 5.66 min Scan# 783

Delta R.T. -0.12 min

Lab File: VX013133.D

Acq: 18 Oct 2019 17:31

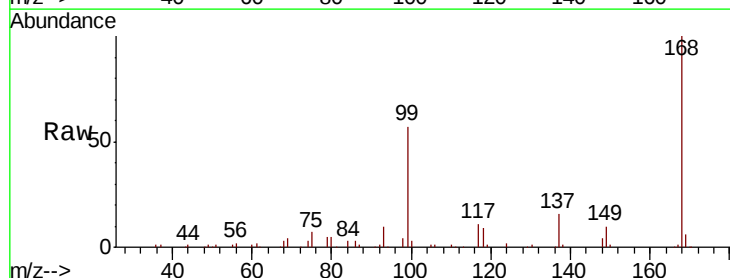
Tgt Ion: 117 Resp: 16818

Ion Ratio Lower Upper

117 100

119 5.5 74.5 111.7#

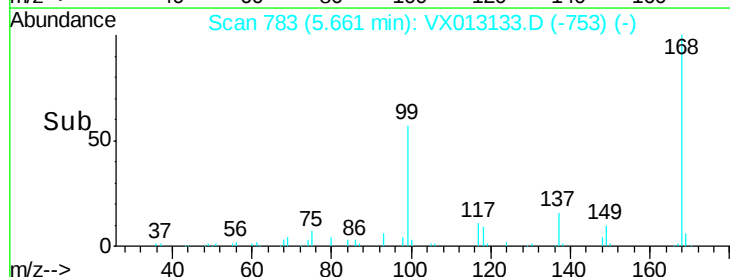
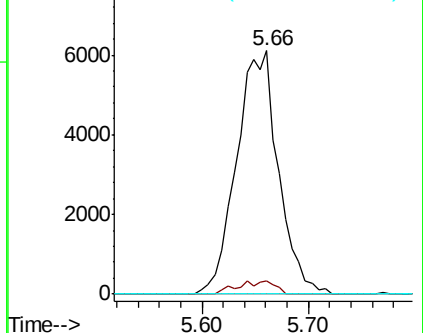
121 0.0 24.2 36.4#

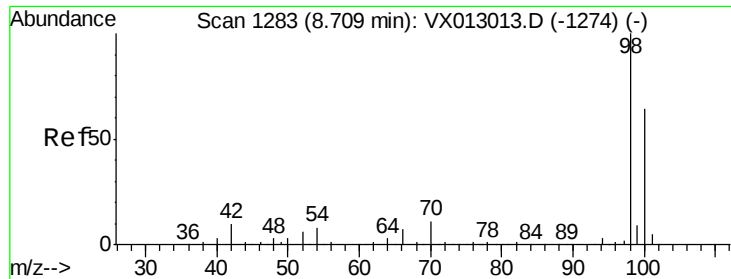


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

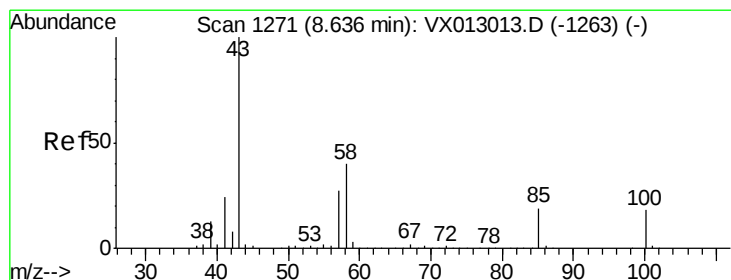
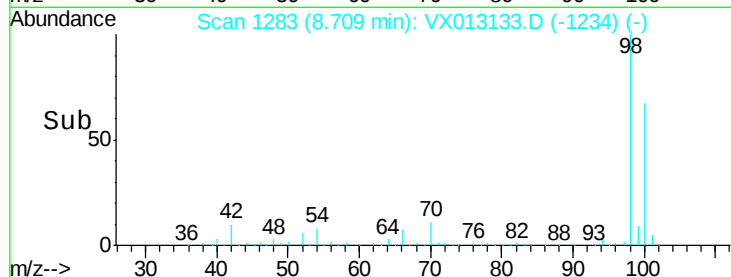
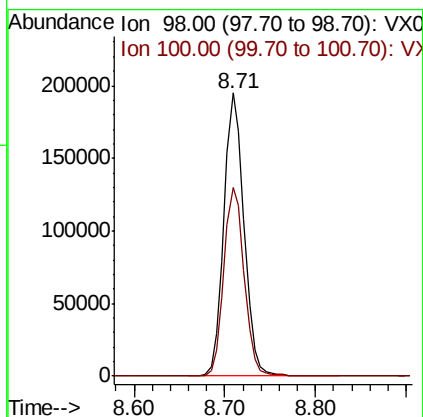
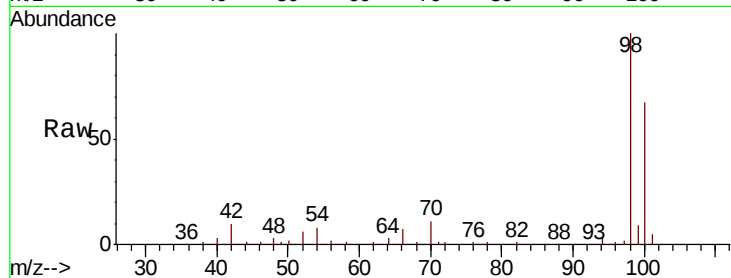




#50
Toluene-d8
Concen: 51.384 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX013133.D
Acq: 18 Oct 2019 17:31

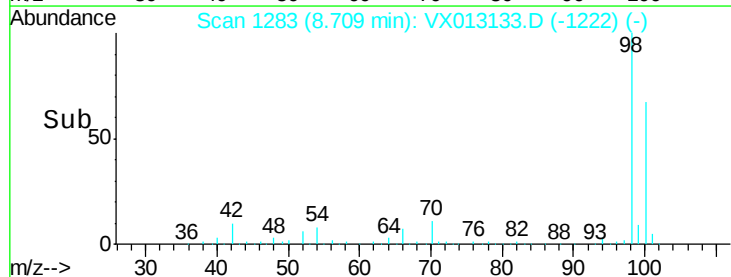
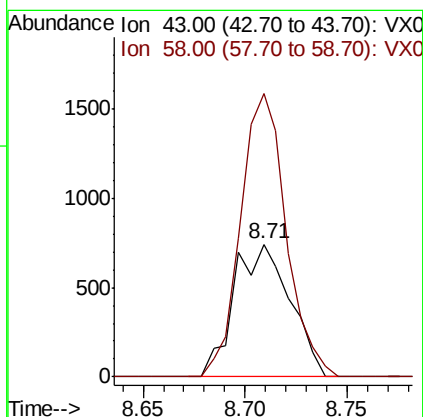
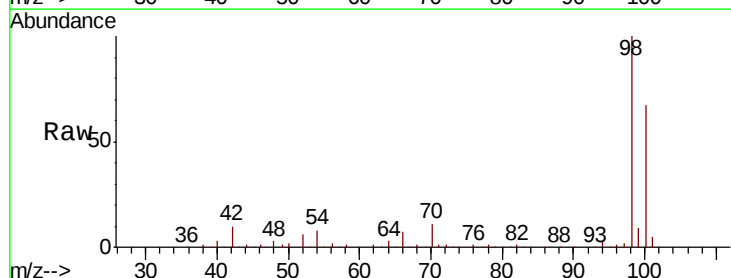
Instrument :
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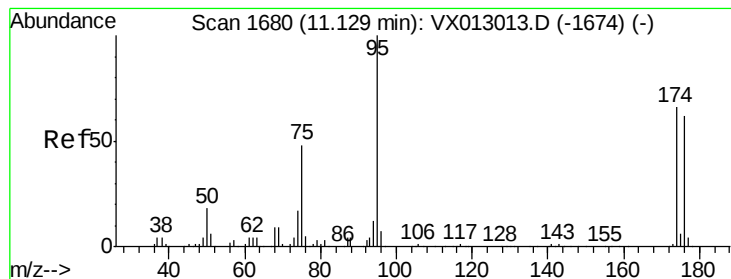
Tot Ion: 98 Resp: 301761
Ion Ratio Lower Upper
98 100
100 67.4 53.4 80.2



#51
4-Methyl-2-Pentanone
Concen: 0.547 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.07 min
Lab File: VX013133.D
Acq: 18 Oct 2019 17:31

Tgt Ion: 43 Resp: 1412
Ion Ratio Lower Upper
43 100
58 174.0 32.4 48.6#





#62

4-Bromofluorobenzene

Concen: 42.997 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VX013133.D

Acq: 18 Oct 2019 17:31

Instrument :

MSVOA_X

ClientSampleId :

FA19-GMZ1FLDDN-TB1

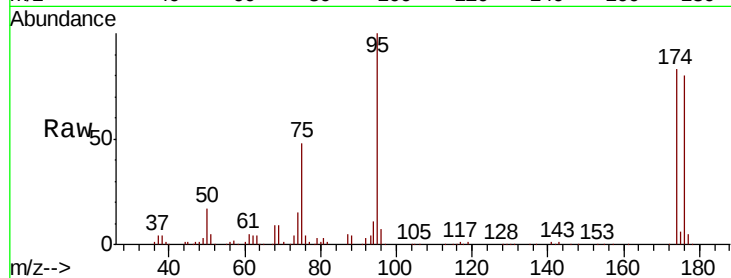
Tot Ion: 95 Resp: 98113

Ion Ratio Lower Upper

95 100

174 77.8 0.0 143.4

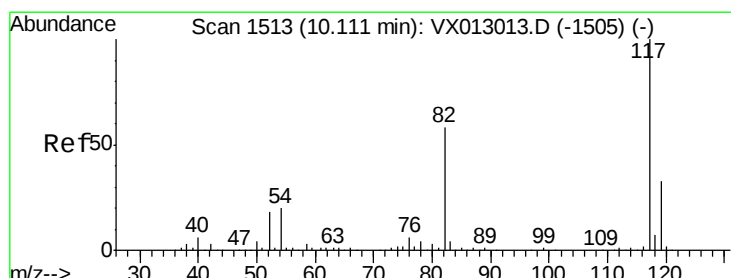
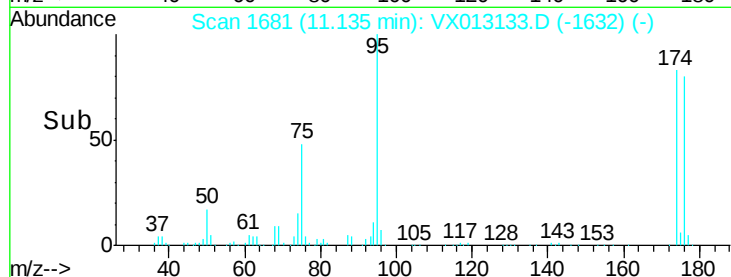
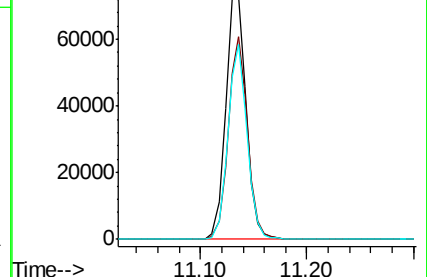
176 74.5 0.0 136.0



Abundance Ion 94.90 (94.60 to 95.60): VX013133.D (-1674) (-)

Ion 173.80 (173.50 to 174.50): VX013133.D (-1674) (-)

Ion 175.80 (175.50 to 176.50): VX013133.D (-1674) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VX013133.D

Acq: 18 Oct 2019 17:31

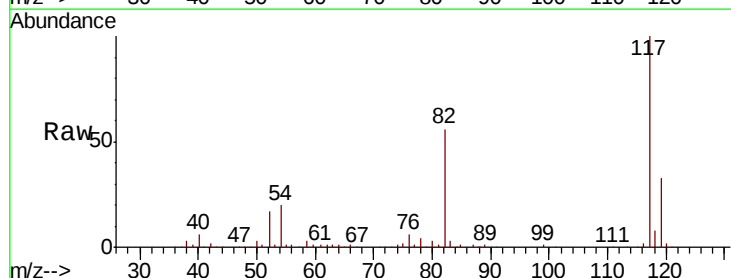
Tgt Ion: 117 Resp: 217430

Ion Ratio Lower Upper

117 100

82 56.5 44.1 66.1

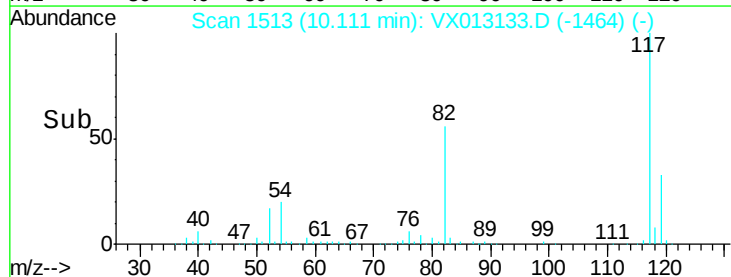
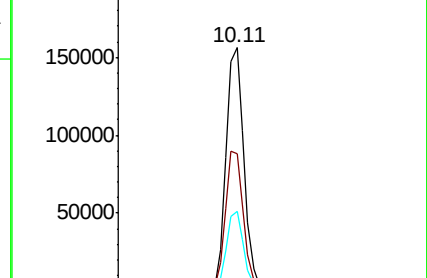
119 33.0 25.8 38.8

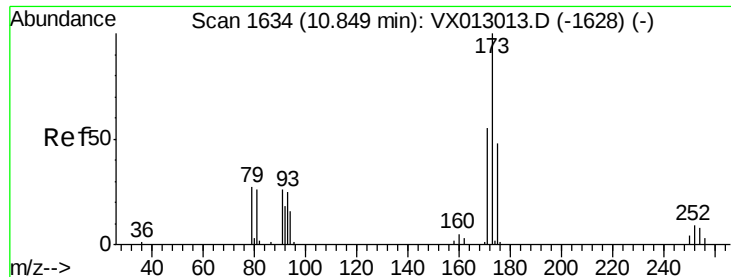


Abundance Ion 116.90 (116.60 to 117.60): VX013133.D (-1464) (-)

Ion 82.00 (81.70 to 82.70): VX013133.D (-1464) (-)

Ion 118.90 (118.60 to 119.60): VX013133.D (-1464) (-)





#71

Bromoform

Concen: 3.211 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. 0.27 min

Lab File: VX013133.D

Acq: 18 Oct 2019 17:31

Instrument :

MSVOA_X

ClientSampleId :

FA19-GMZ1FLDDN-TB1

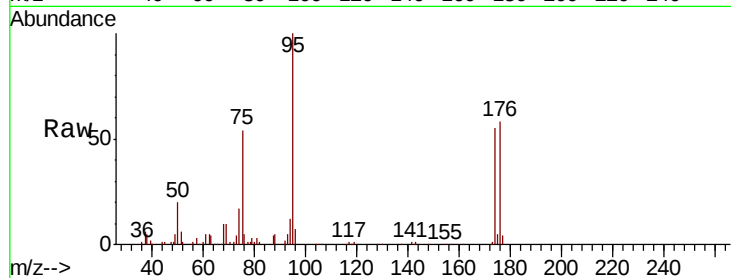
Tot Ion:173 Resp: 107

Ion Ratio Lower Upper

173 100

175 0.0 24.1 72.3#

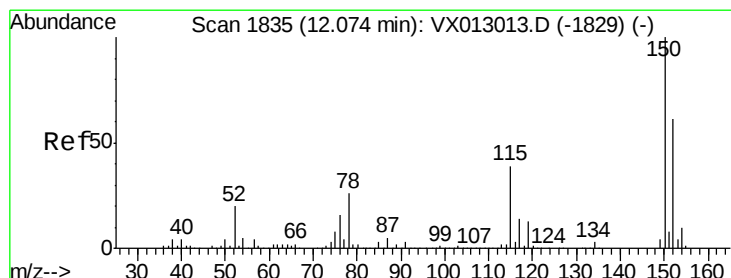
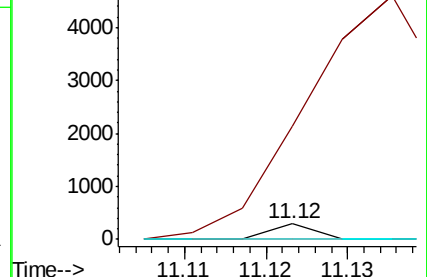
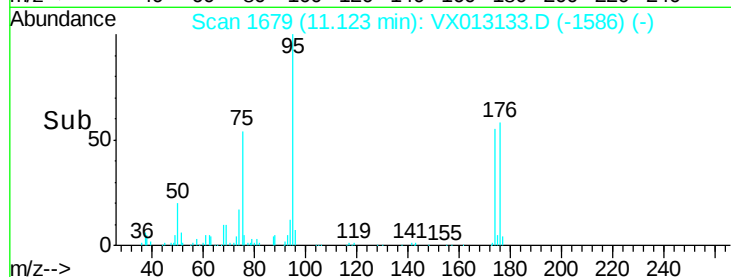
254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): 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: VX013133.D

Acq: 18 Oct 2019 17:31

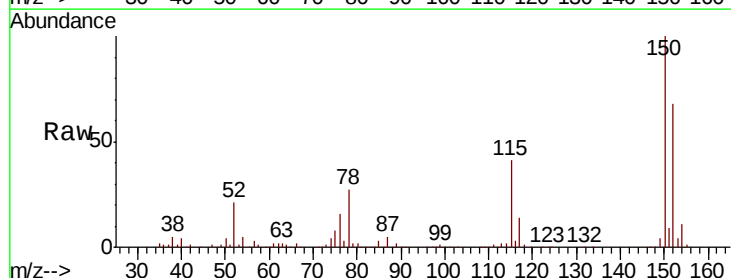
Tgt Ion:152 Resp: 84468

Ion Ratio Lower Upper

152 100

115 62.4 44.5 133.5

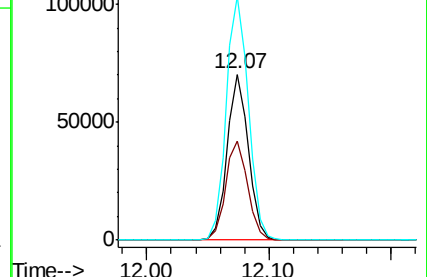
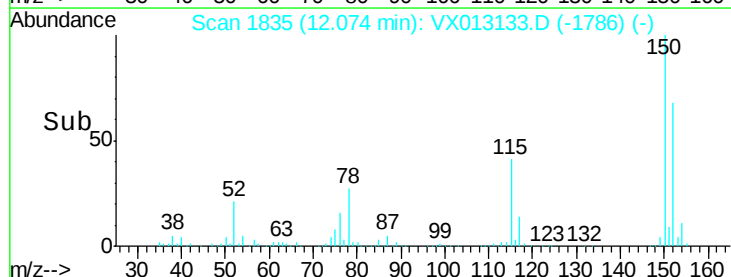
150 153.9 0.0 353.4

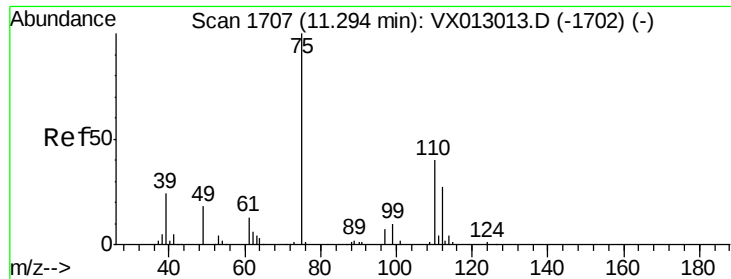


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

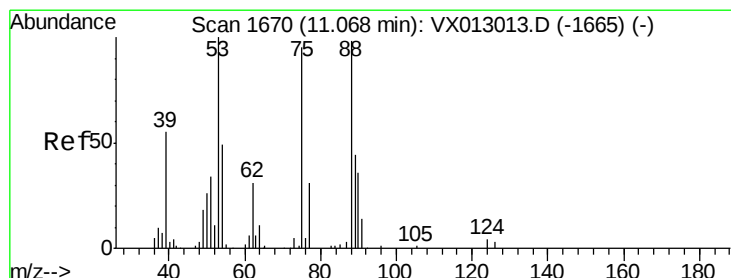
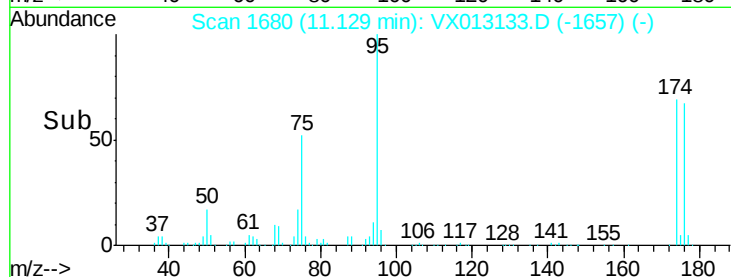
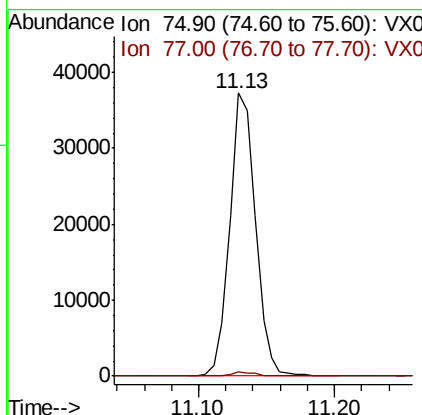
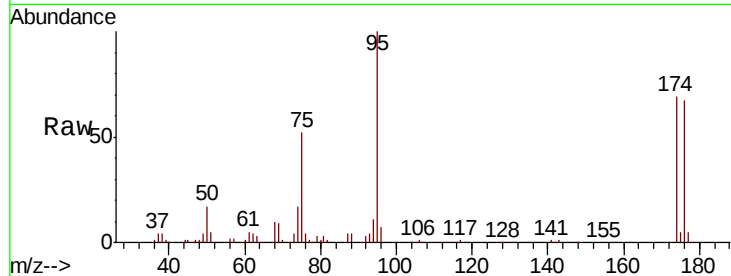




#76
 1,2,3-Trichloropropane
 Concen: 26.258 ug/l
 RT: 11.13 min Scan# 1680
 Delta R.T. -0.16 min
 Lab File: VX013133.D
 Acq: 18 Oct 2019 17:31

Instrument :
 MSVOA_X
 ClientSampleId :
 FA19-GMZ1FLDDN-TB1

Tot Ion: 75 Resp: 49194
 Ion Ratio Lower Upper
 75 100
 77 1.4 22.9 68.8#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 66.090 ug/l
 RT: 11.13 min Scan# 1680
 Delta R.T. 0.06 min
 Lab File: VX013133.D
 Acq: 18 Oct 2019 17:31

Tgt Ion: 75 Resp: 49194
 Ion Ratio Lower Upper
 75 100
 53 0.0 78.5 117.7#
 89 0.0 37.4 56.2#

