

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX101419\
 Data File : VX013050.D
 Acq On : 14 Oct 2019 14:32
 Operator : JC/SP
 Sample : K5312-06
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Oct 15 01:25:44 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X100819W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 11 09:48:22 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	177825	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	292620	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	243456	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	94599	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	112240	50.50	ug/l	0.00
Spiked Amount			Recovery	=	101.00%	
35) Dibromofluoromethane	5.49	113	86738	51.65	ug/l	0.00
Spiked Amount			Recovery	=	103.30%	
50) Toluene-d8	8.71	98	342448	52.28	ug/l	0.00
Spiked Amount			Recovery	=	104.56%	
62) 4-Bromofluorobenzene	11.14	95	110735	43.51	ug/l	0.00
Spiked Amount			Recovery	=	87.02%	

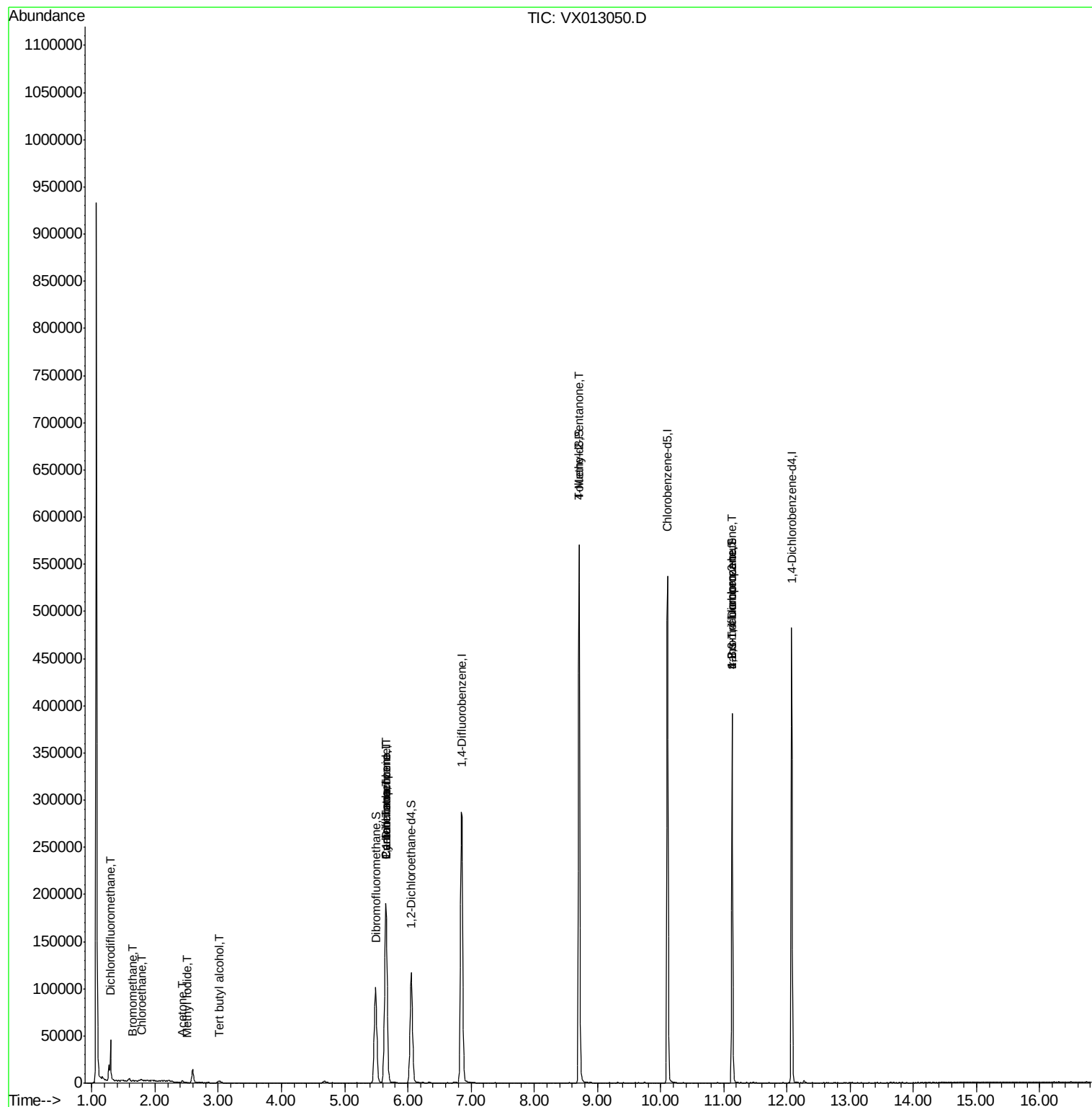
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.30	85	2938	1.621	ug/l	92
5) Bromomethane	1.65	94	227	0.268	ug/l #	77
6) Chloroethane	1.80	64	2176	2.104	ug/l #	43
10) Methyl Iodide	2.50	142	162	5.154	ug/l #	40
11) Tert butyl alcohol	3.02	59	2035	3.454	ug/l #	72
16) Acetone	2.43	43	2195	1.874	ug/l	98
31) Cyclohexane	5.65	56	3831	1.188	ug/l #	1
36) 1,1-Dichloropropene	5.65	75	14100	5.481	ug/l #	50
38) Carbon Tetrachloride	5.65	117	18539	7.403	ug/l #	18
51) 4-Methyl-2-Pentanone	8.71	43	1520	0.528	ug/l #	1
76) 1,2,3-Trichloropropane	11.14	75	55318	26.365	ug/l #	32
81) trans-1,4-Dichloro-2-buten	11.14	75	55318	66.342	ug/l #	10

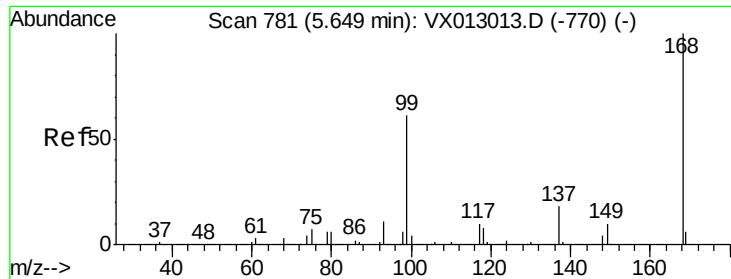
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.00 min

Lab File: VX013050.D

Acq: 14 Oct 2019 14:32

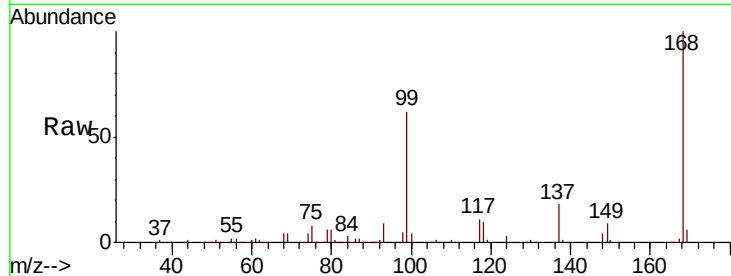
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:168 Resp: 177825

Ion Ratio Lower Upper

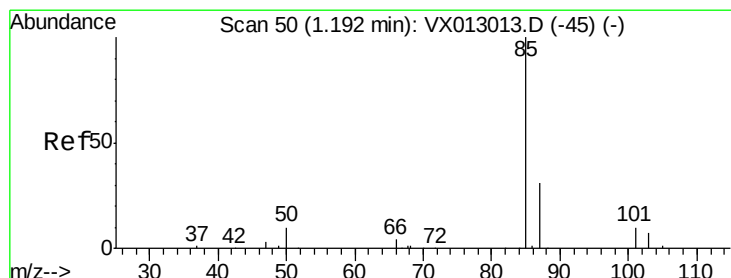
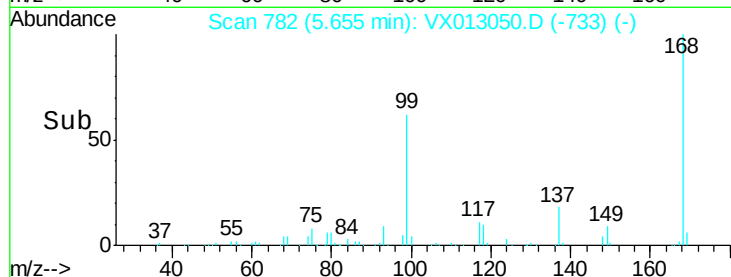
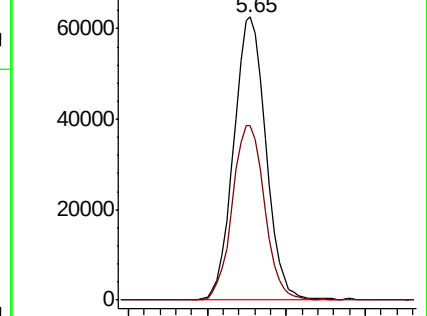
168 100

99 61.8 49.4 74.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 1.621 ug/l

RT: 1.30 min Scan# 67

Delta R.T. 0.10 min

Lab File: VX013050.D

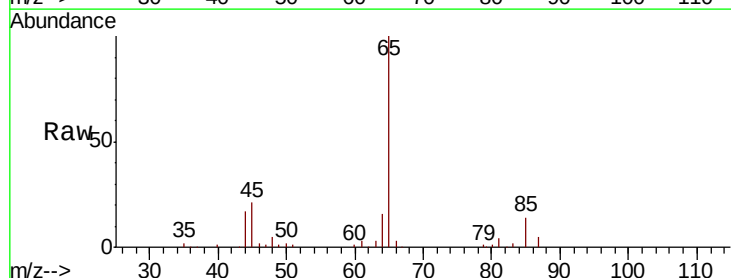
Acq: 14 Oct 2019 14:32

Tgt Ion: 85 Resp: 2938

Ion Ratio Lower Upper

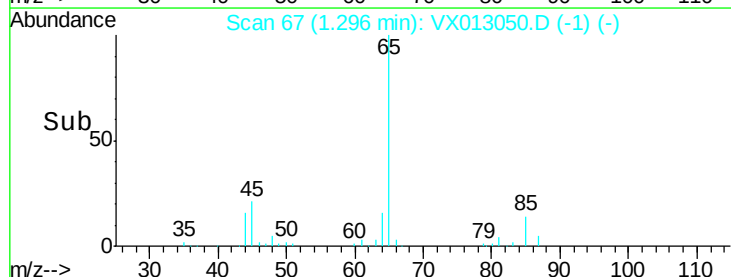
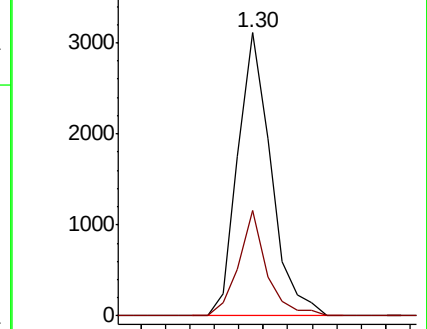
85 100

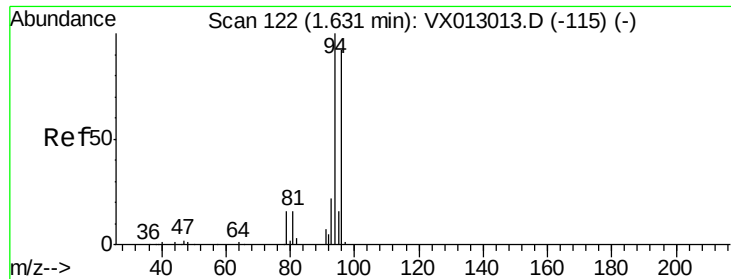
87 37.4 16.4 49.4



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#5

Bromomethane

Concen: 0.268 ug/l

RT: 1.65 min Scan# 125

Delta R.T. 0.02 min

Lab File: VX013050.D

Acq: 14 Oct 2019 14:32

Instrument :

MSVOA_X

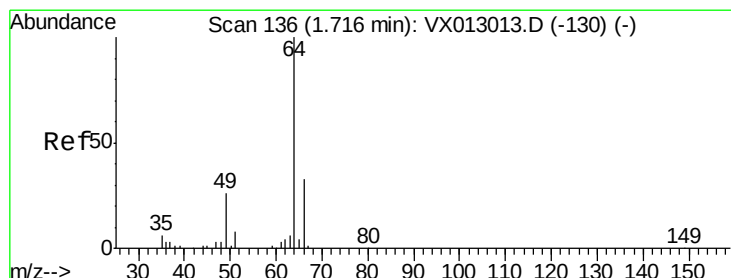
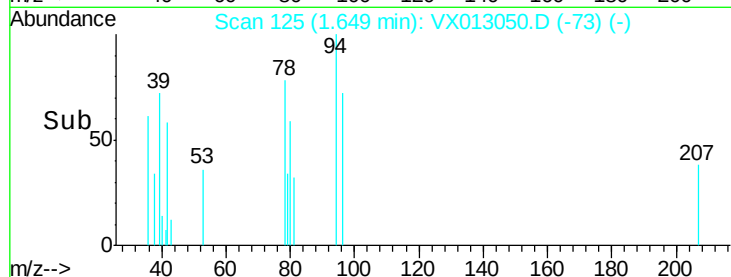
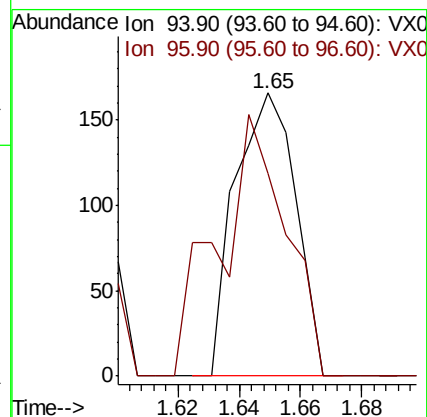
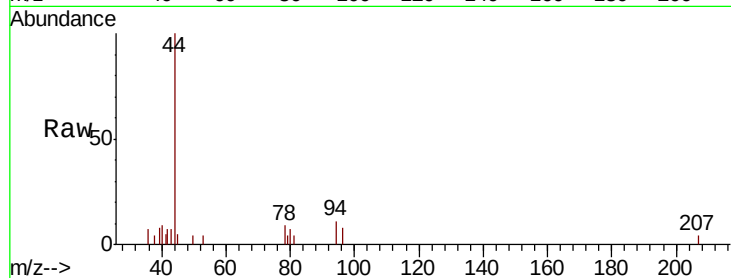
ClientSampled :

Tot Ion: 94 Resp: 227

Ion Ratio Lower Upper

94 100

96 71.7 74.7 112.1#



#6

Chloroethane

Concen: 2.104 ug/l

RT: 1.80 min Scan# 149

Delta R.T. 0.09 min

Lab File: VX013050.D

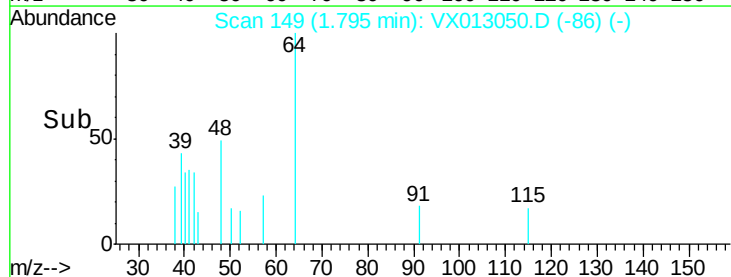
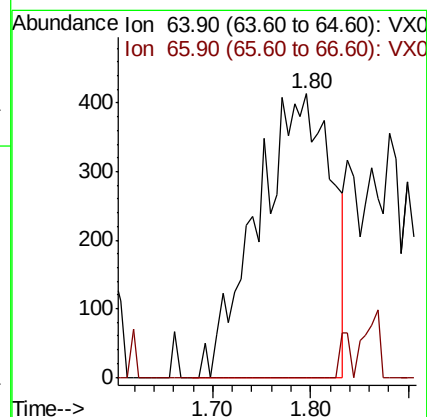
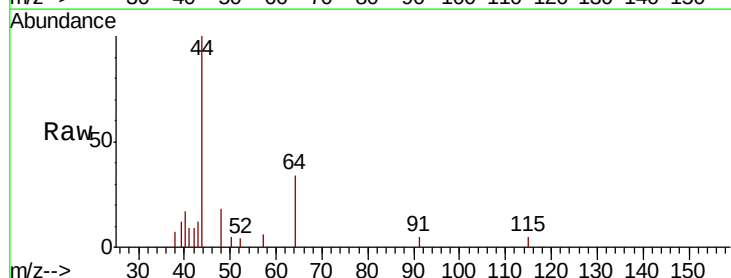
Acq: 14 Oct 2019 14:32

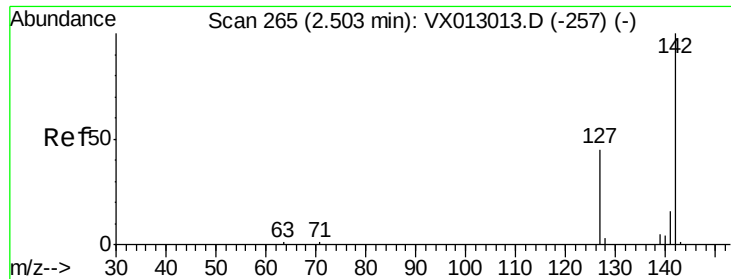
Tgt Ion: 64 Resp: 2176

Ion Ratio Lower Upper

64 100

66 0.0 25.6 38.4#

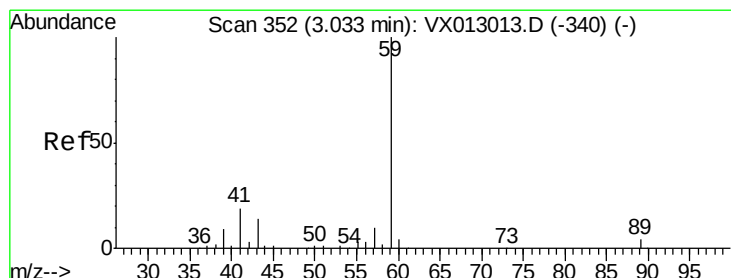
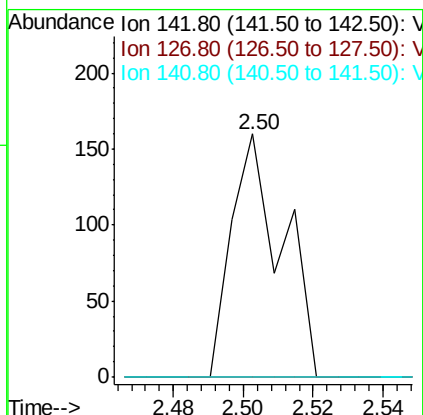
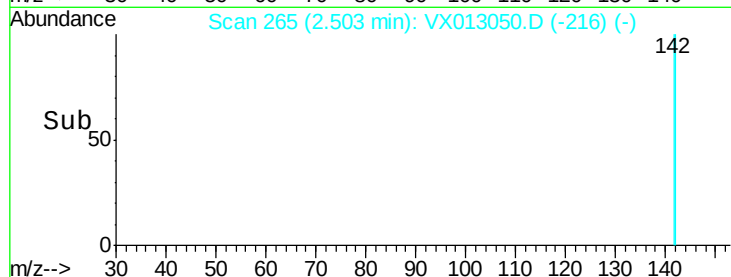
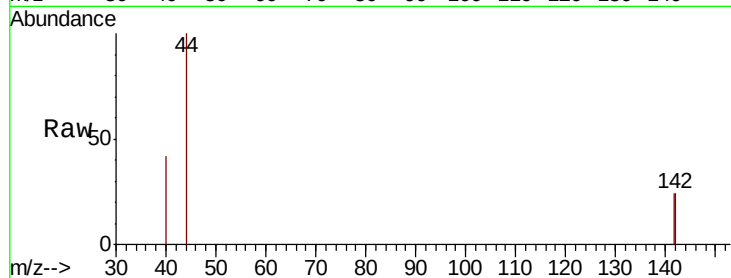




#10
Methyl Iodide
Concen: 5.154 ug/l
RT: 2.50 min Scan# 265
Delta R.T. 0.00 min
Lab File: VX013050.D
Acq: 14 Oct 2019 14:32

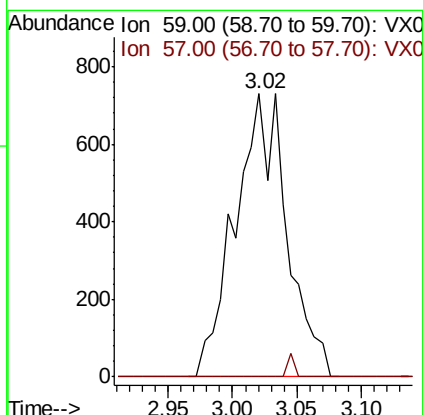
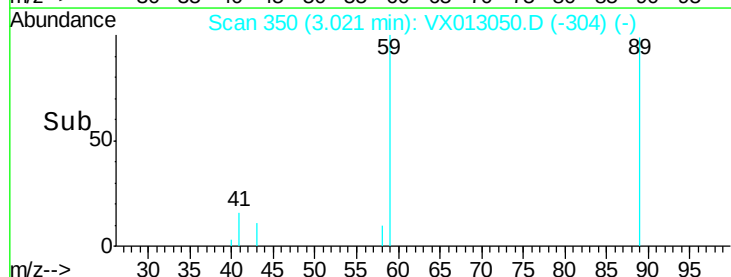
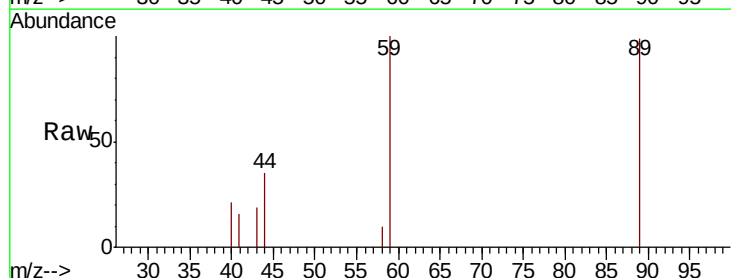
Instrument :
MSVOA_X
ClientSampleId :

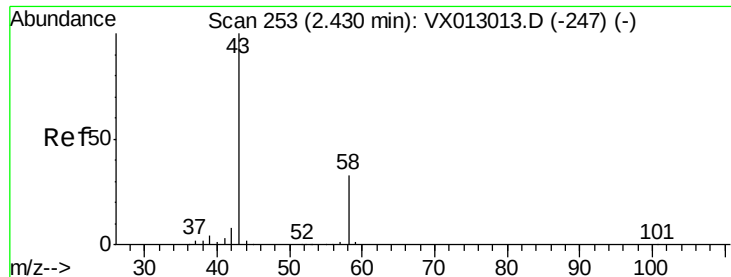
Tot Ion:142 Resp: 162
Ion Ratio Lower Upper
142 100
127 0.0 34.9 52.3#
141 0.0 11.6 17.4#



#11
Tert butyl alcohol
Concen: 3.454 ug/l
RT: 3.02 min Scan# 350
Delta R.T. -0.02 min
Lab File: VX013050.D
Acq: 14 Oct 2019 14:32

Tgt Ion: 59 Resp: 2035
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#





#16

Acetone

Concen: 1.874 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.01 min

Lab File: VX013050.D

Acq: 14 Oct 2019 14:32

Instrument :

MSVOA_X

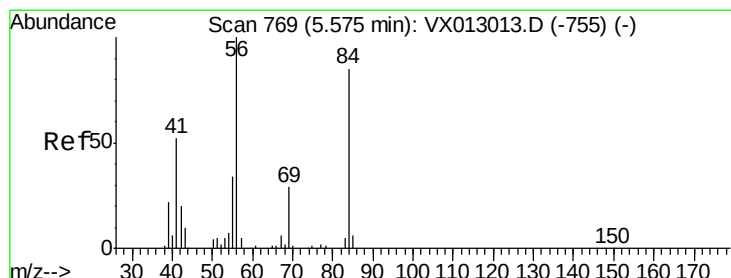
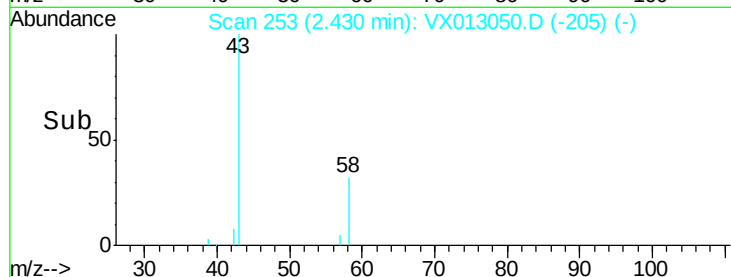
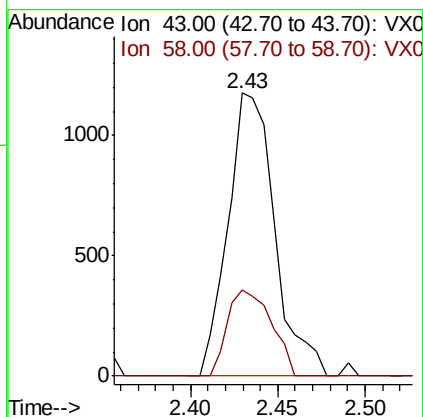
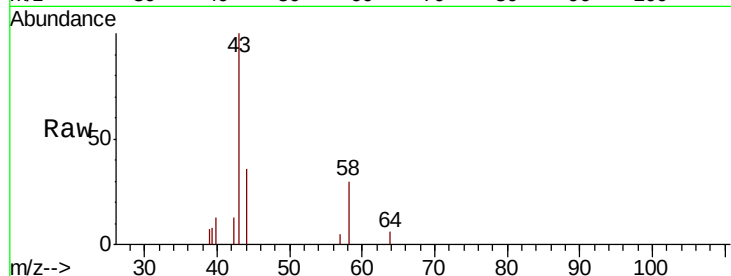
ClientSampled :

Tot Ion: 43 Resp: 2195

Ion Ratio Lower Upper

43 100

58 30.4 25.4 38.2



#31

Cyclohexane

Concen: 1.188 ug/l

RT: 5.65 min Scan# 781

Delta R.T. 0.08 min

Lab File: VX013050.D

Acq: 14 Oct 2019 14:32

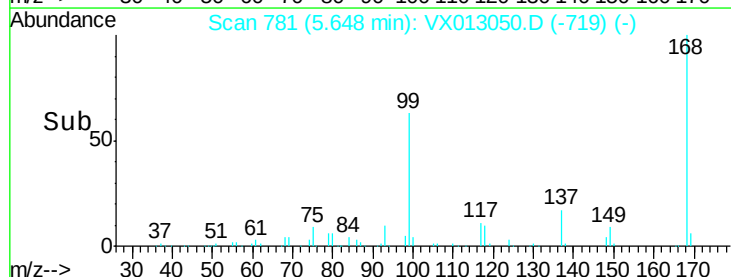
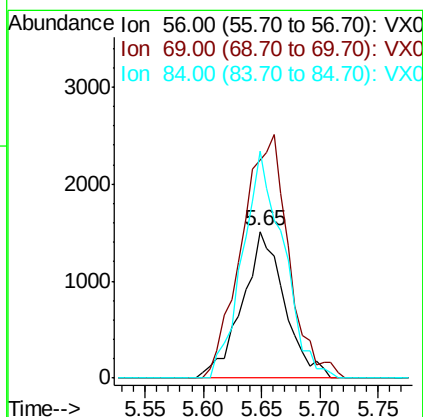
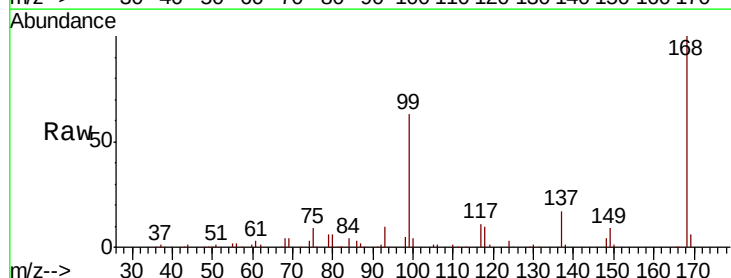
Tgt Ion: 56 Resp: 3831

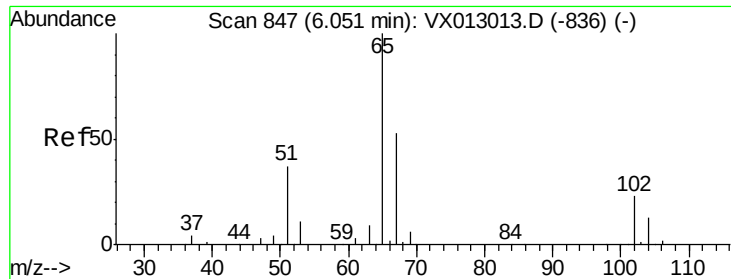
Ion Ratio Lower Upper

56 100

69 148.6 25.2 37.8#

84 155.5 71.3 106.9#

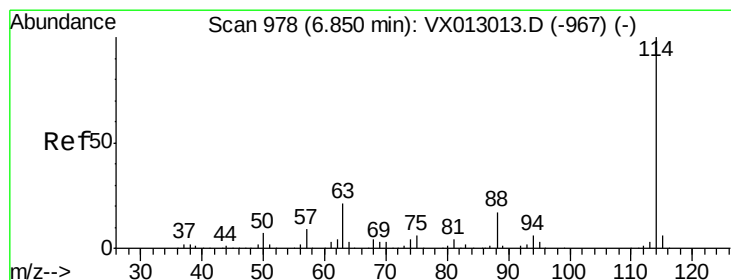
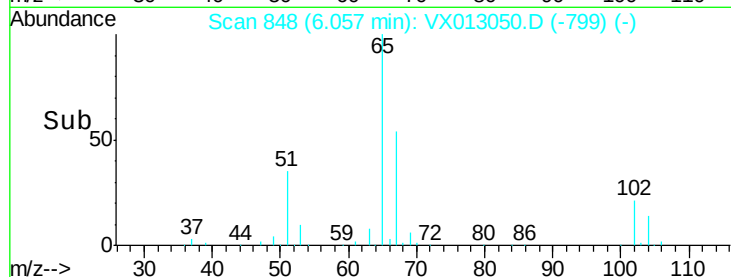
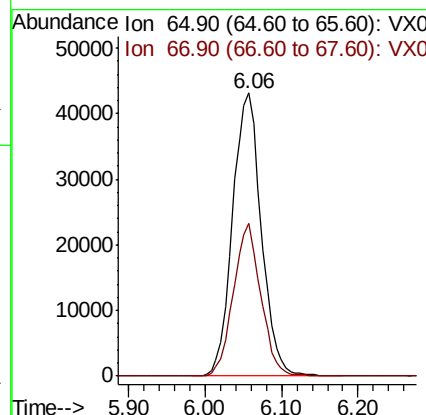
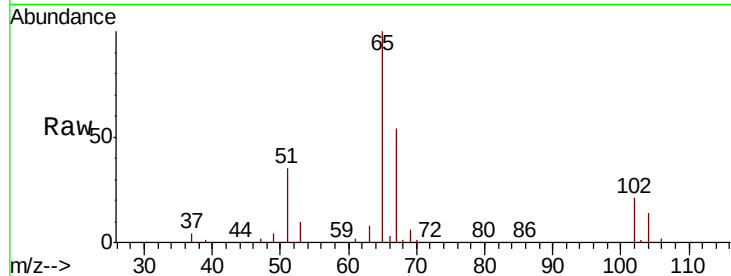




#33
 1,2-Dichloroethane-d4
 Concen: 50.500 ug/l
 RT: 6.06 min Scan# 848
 Delta R.T. -0.00 min
 Lab File: VX013050.D
 Acq: 14 Oct 2019 14:32

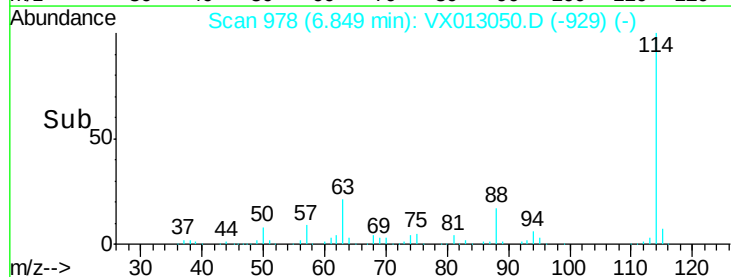
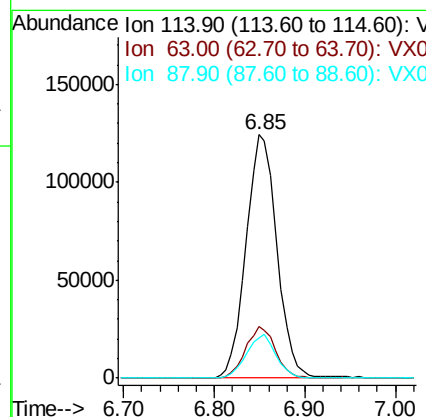
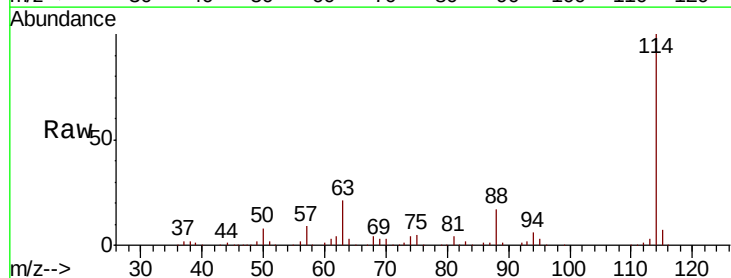
Instrument :
 MSVOA_X
 ClientSampleId :

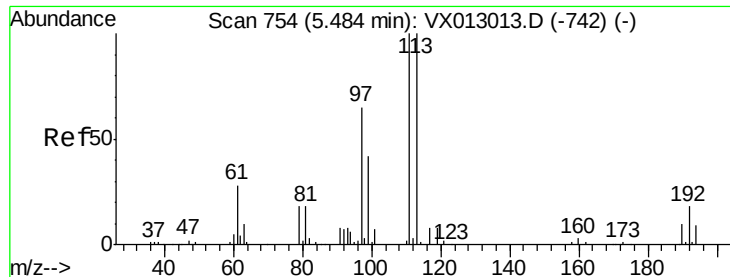
Tot Ion: 65 Resp: 112240
 Ion Ratio Lower Upper
 65 100
 67 51.7 0.0 104.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. -0.00 min
 Lab File: VX013050.D
 Acq: 14 Oct 2019 14:32

Tgt Ion: 114 Resp: 292620
 Ion Ratio Lower Upper
 114 100
 63 21.1 0.0 40.8
 88 16.7 0.0 33.8





#35

Dibromofluoromethane

Concen: 51.646 ug/l

RT: 5.49 min Scan# 755

Delta R.T. -0.00 min

Lab File: VX013050.D

Acq: 14 Oct 2019 14:32

Instrument :

MSVOA_X

ClientSampleId :

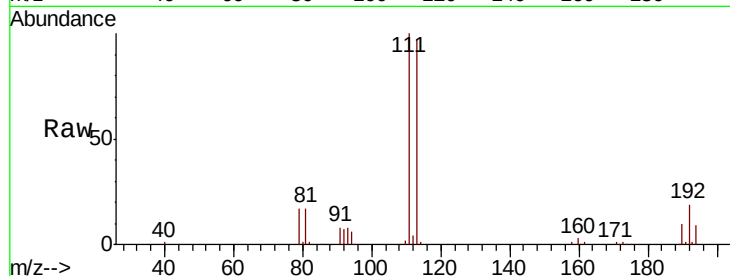
Tot Ion:113 Resp: 86738

Ion Ratio Lower Upper

113 100

111 102.2 83.2 124.8

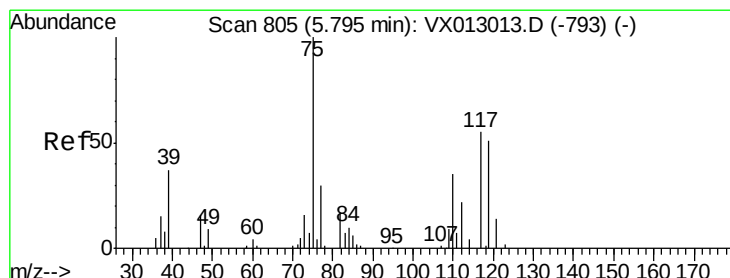
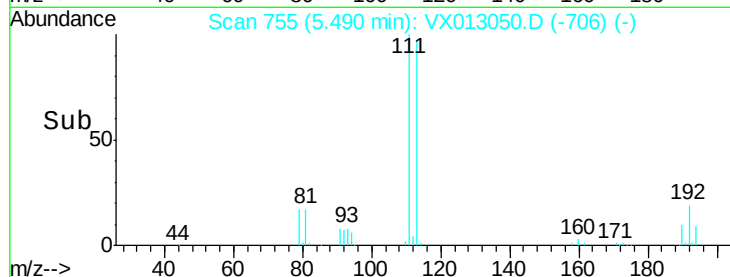
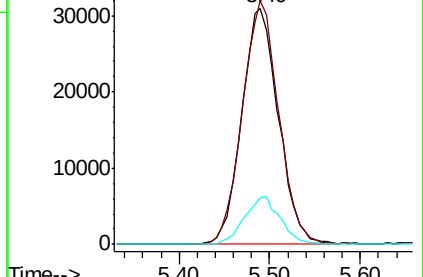
192 19.6 15.4 23.2



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: 5.481 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.14 min

Lab File: VX013050.D

Acq: 14 Oct 2019 14:32

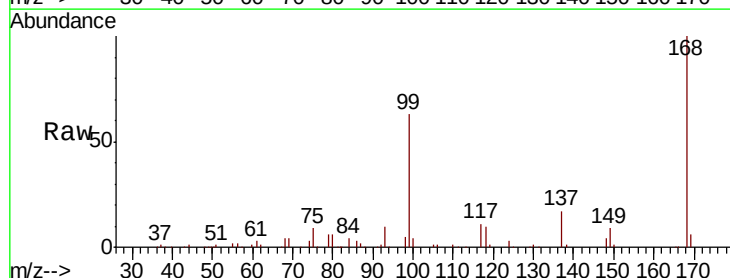
Tgt Ion: 75 Resp: 14100

Ion Ratio Lower Upper

75 100

110 8.8 17.6 52.9#

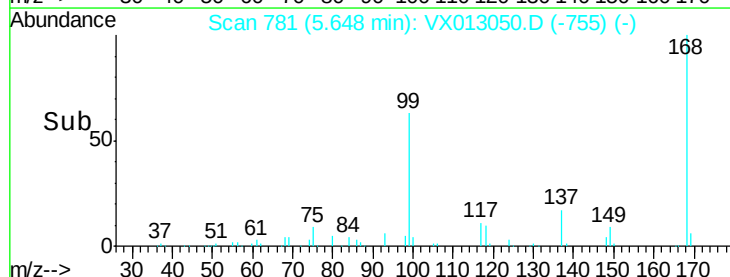
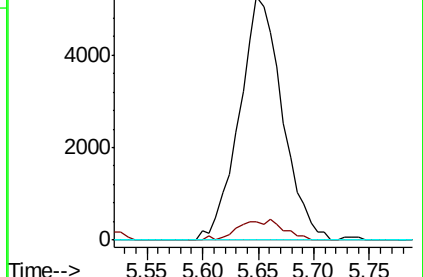
77 0.0 24.4 36.6#

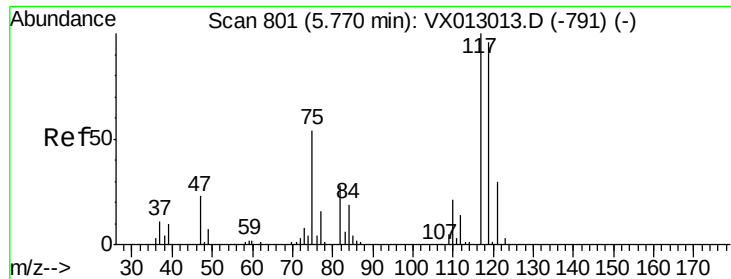


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

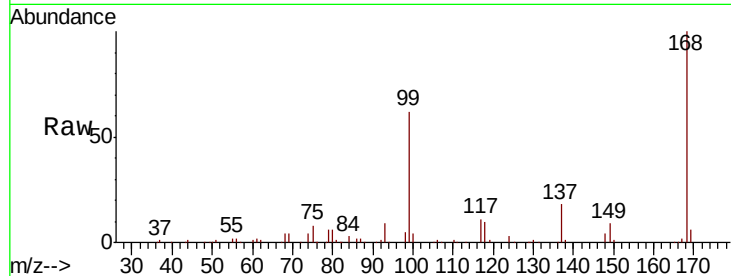




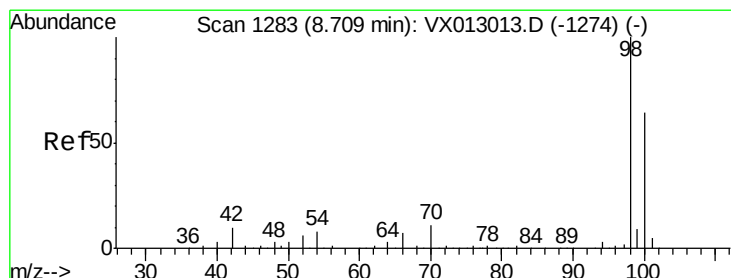
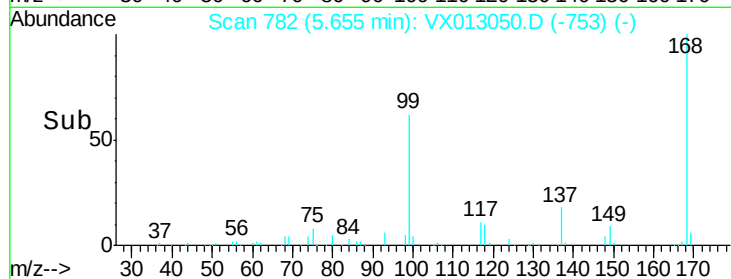
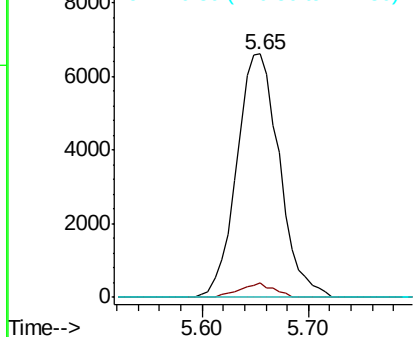
#38
Carbon Tetrachloride
Concen: 7.403 ug/l
RT: 5.65 min Scan# 782
Delta R.T. -0.12 min
Lab File: VX013050.D
Acq: 14 Oct 2019 14:32

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:117 Resp: 18539
Ion Ratio Lower Upper
117 100
119 5.7 74.5 111.7#
121 0.0 24.2 36.4#

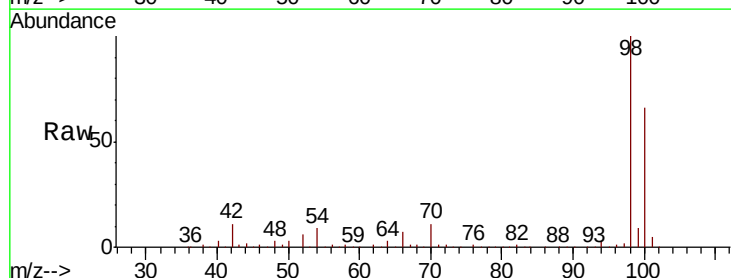


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

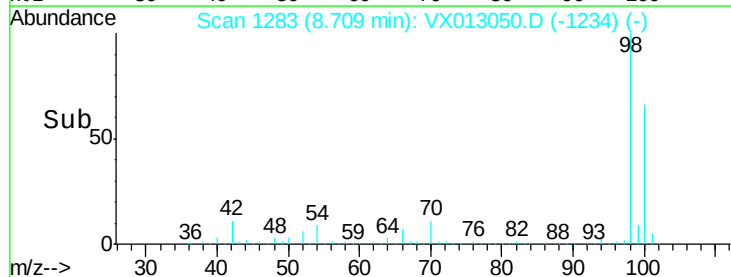
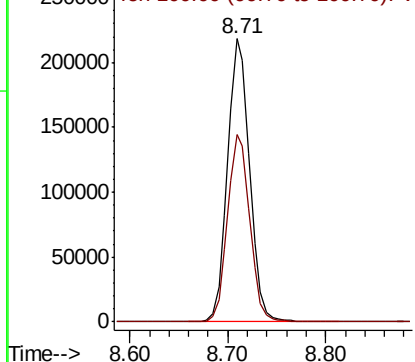


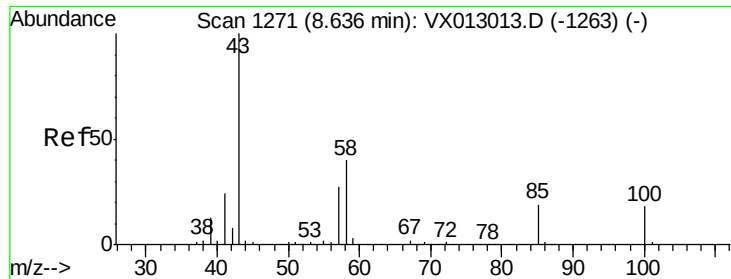
#50
Toluene-d8
Concen: 52.279 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX013050.D
Acq: 14 Oct 2019 14:32

Tgt Ion: 98 Resp: 342448
Ion Ratio Lower Upper
98 100
100 66.7 53.4 80.2



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): V





#51

4-Methyl-2-Pentanone

Concen: 0.528 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.07 min

Lab File: VX013050.D

Acq: 14 Oct 2019 14:32

Instrument :

MSVOA_X

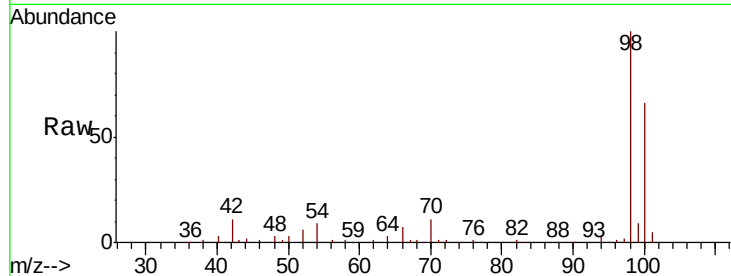
ClientSampleId :

Tot Ion: 43 Resp: 1520

Ion Ratio Lower Upper

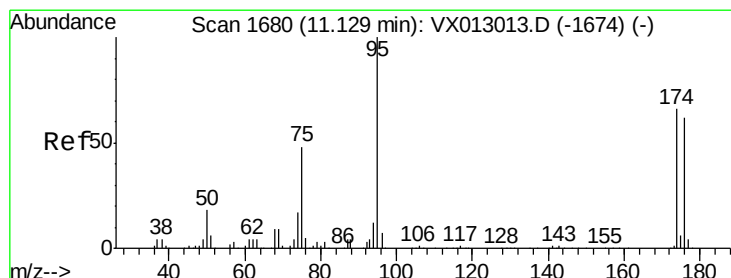
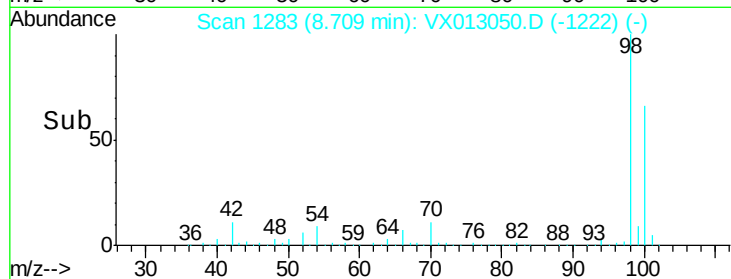
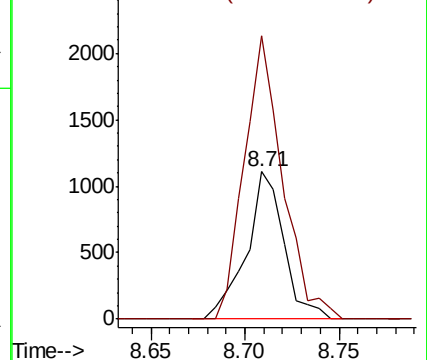
43 100

58 198.0 32.4 48.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#62

4-Bromofluorobenzene

Concen: 43.507 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.00 min

Lab File: VX013050.D

Acq: 14 Oct 2019 14:32

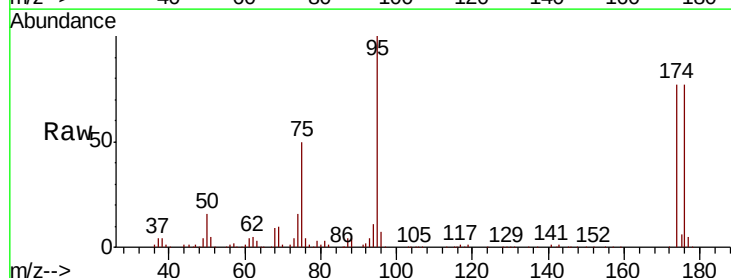
Tgt Ion: 95 Resp: 110735

Ion Ratio Lower Upper

95 100

174 73.9 0.0 143.4

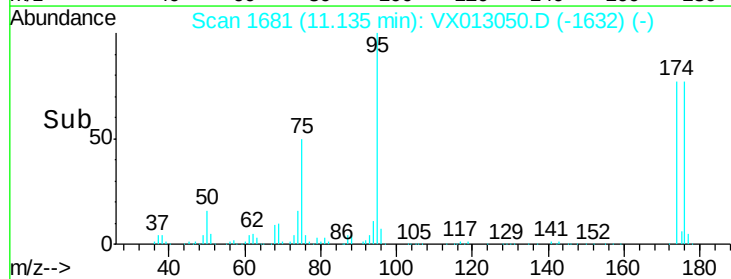
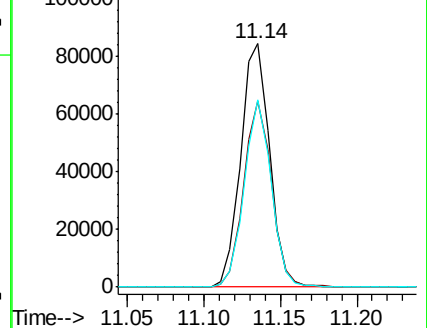
176 72.1 0.0 136.0

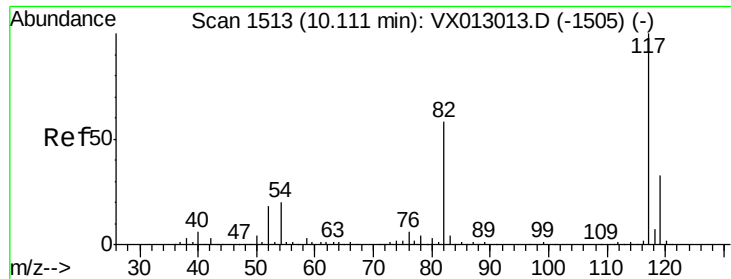


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

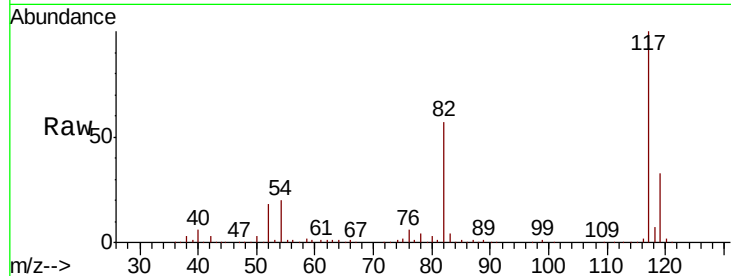




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX013050.D
Acq: 14 Oct 2019 14:32

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.8	44.1	66.1
119	33.1	25.8	38.8

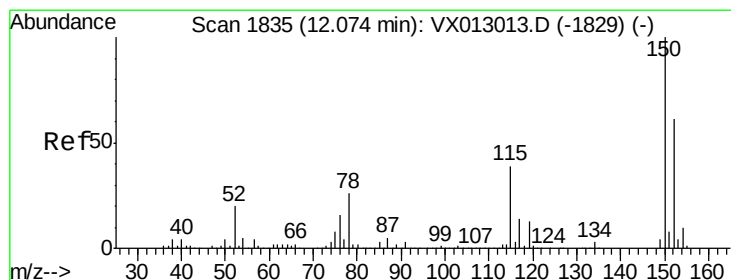
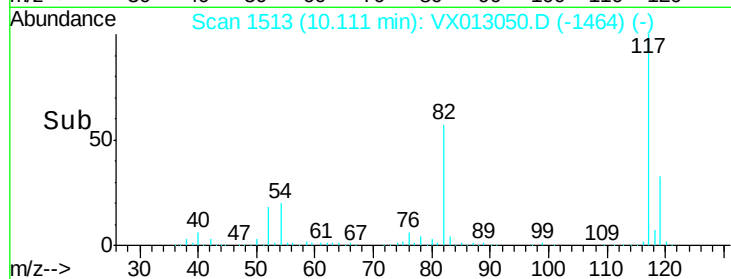
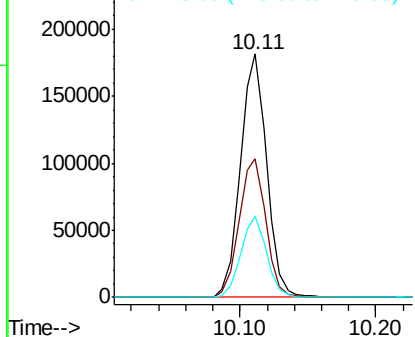


Abundance

Ion 116.90 (116.60 to 117.60): V

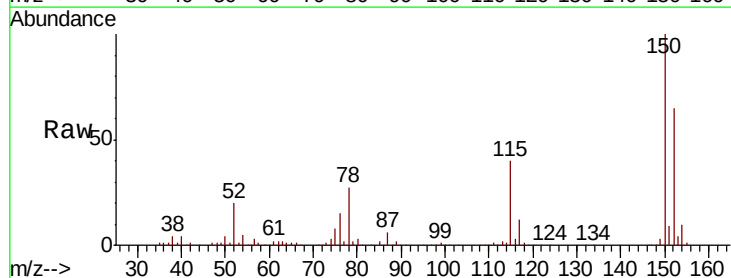
Ion 82.00 (81.70 to 82.70): VX0

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: VX013050.D
Acq: 14 Oct 2019 14:32

Tgt Ion	Ratio	Lower	Upper
152	100		
115	63.5	44.5	133.5
150	156.6	0.0	353.4

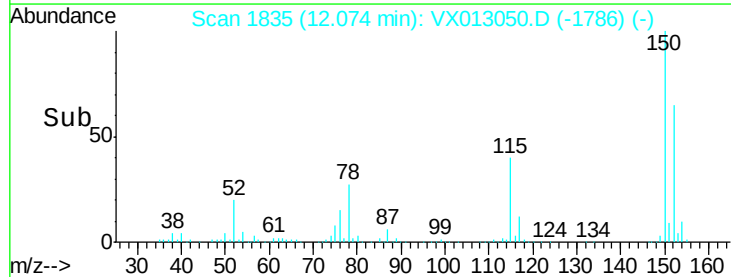
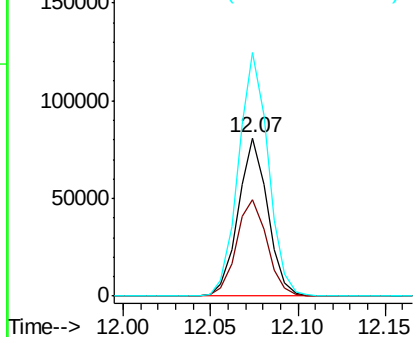


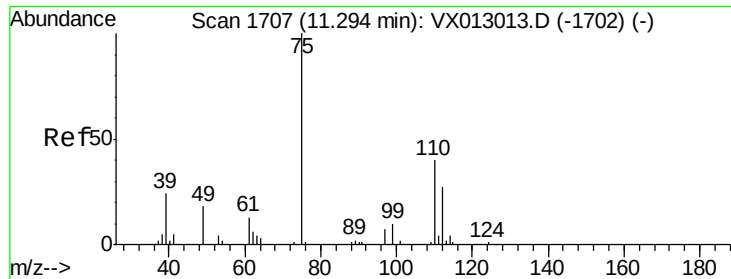
Abundance

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: 26.365 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.15 min

Lab File: VX013050.D

Acq: 14 Oct 2019 14:32

Instrument :

MSVOA_X

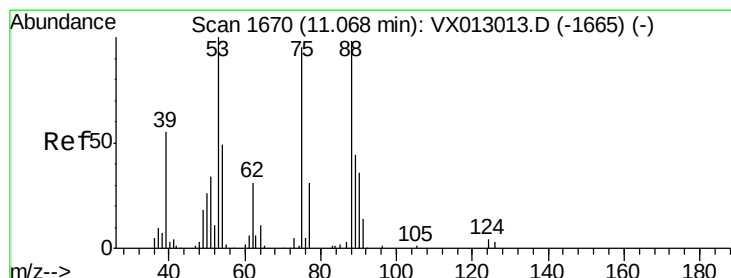
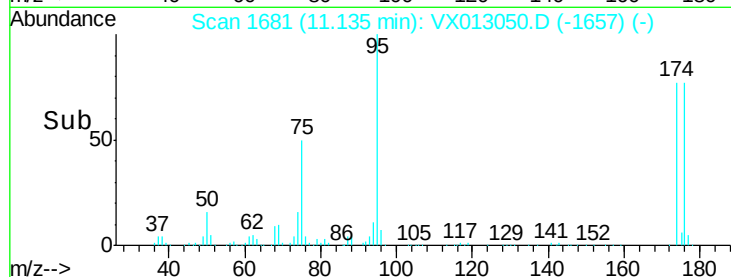
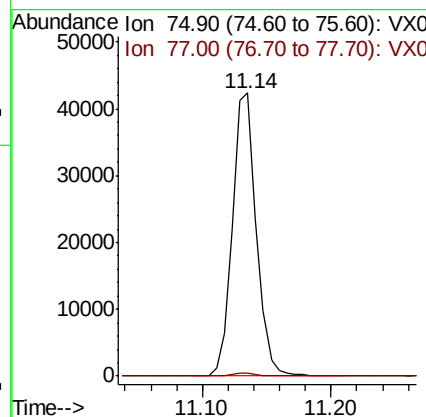
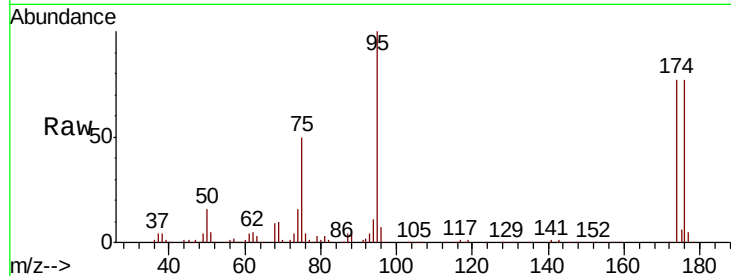
ClientSampleId :

Tot Ion: 75 Resp: 55318

Ion Ratio Lower Upper

75 100

77 1.3 22.9 68.8#



#81

trans-1,4-Dichloro-2-butene

Concen: 66.342 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.07 min

Lab File: VX013050.D

Acq: 14 Oct 2019 14:32

Tgt Ion: 75 Resp: 55318

Ion Ratio Lower Upper

75 100

53 0.0 78.5 117.7#

89 0.0 37.4 56.2#

