

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX101719\
 Data File : VX013112.D
 Acq On : 17 Oct 2019 17:07
 Operator : JC/SP
 Sample : K5406-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 DRW-2

Quant Time: Oct 18 08:04:32 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	174611	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	280833	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	236897	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	93291	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	106222	48.67	ug/l	0.00
Spiked Amount			Recovery	=	97.34%	
35) Dibromofluoromethane	5.49	113	83197	51.62	ug/l	0.00
Spiked Amount			Recovery	=	103.24%	
50) Toluene-d8	8.71	98	323269	51.42	ug/l	0.00
Spiked Amount			Recovery	=	102.84%	
62) 4-Bromofluorobenzene	11.14	95	107275	43.92	ug/l	0.00
Spiked Amount			Recovery	=	87.84%	

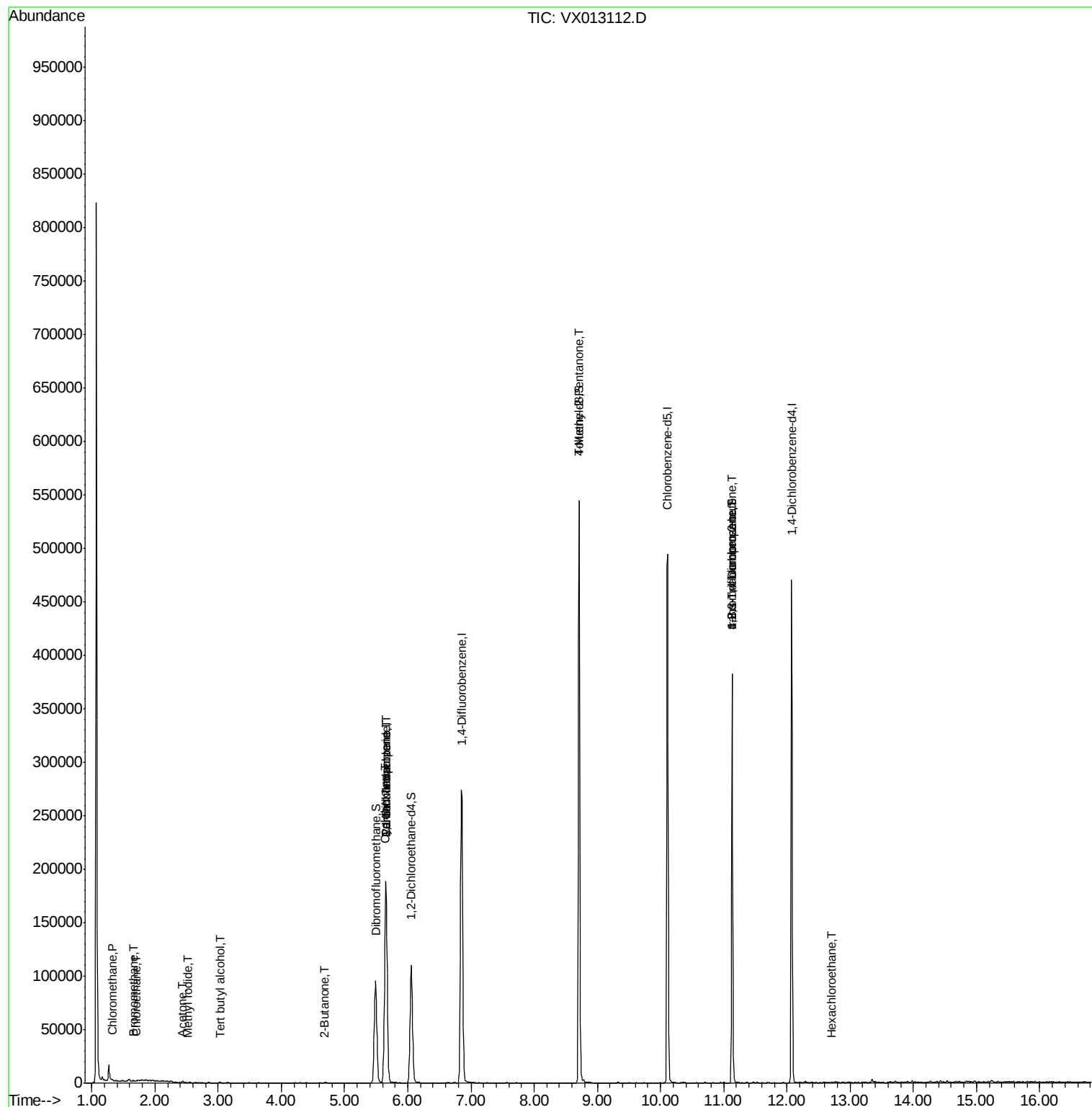
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	417	0.215	ug/l	99
5) Bromomethane	1.65	94	216	0.260	ug/l	91
6) Chloroethane	1.70	64	130	0.473	ug/l #	43
10) Methyl Iodide	2.51	142	117	5.135	ug/l #	40
11) Tert butyl alcohol	3.04	59	516	0.892	ug/l #	72
16) Acetone	2.43	43	1432	1.245	ug/l	91
25) 2-Butanone	4.69	43	563	0.353	ug/l #	49
31) Cyclohexane	5.64	56	3539	1.117	ug/l #	1
36) 1,1-Dichloropropene	5.65	75	13374	5.417	ug/l #	50
38) Carbon Tetrachloride	5.65	117	18245	7.592	ug/l #	17
51) 4-Methyl-2-Pentanone	8.71	43	1375	0.498	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	52881	25.556	ug/l #	32
81) trans-1,4-Dichloro-2-buten	11.13	75	52881	64.434	ug/l #	10
90) Hexachloroethane	12.70	117	149	2.246	ug/l #	13

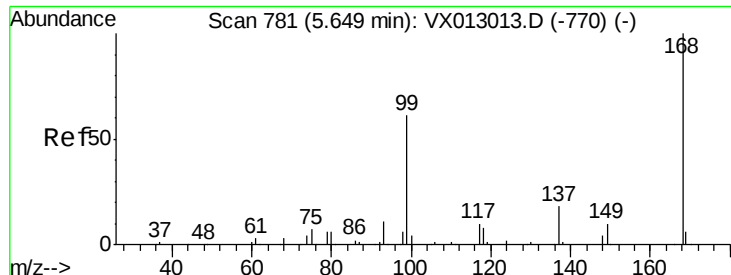
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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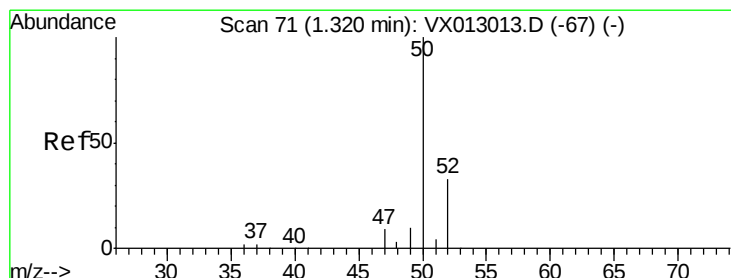
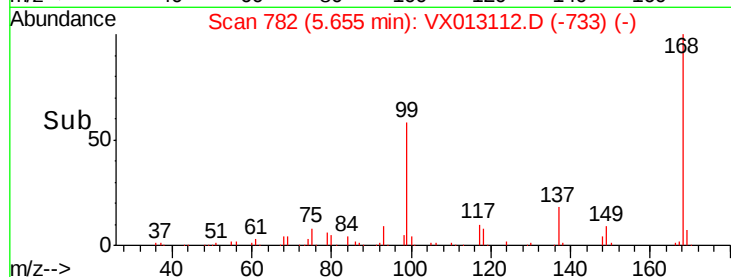
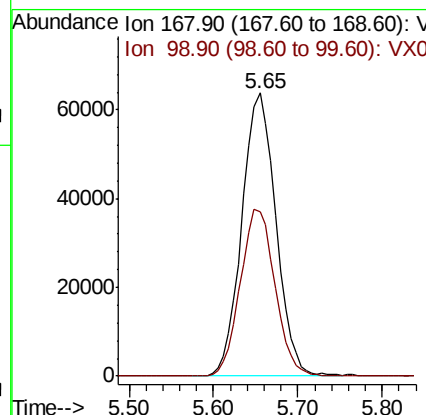
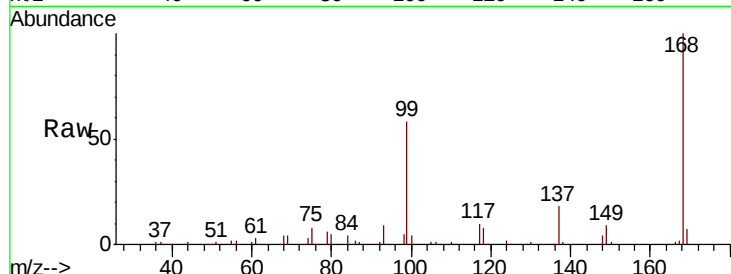




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.65 min Scan# 782
Delta R.T. 0.00 min
Lab File: VX013112.D
Acq: 17 Oct 2019 17:07

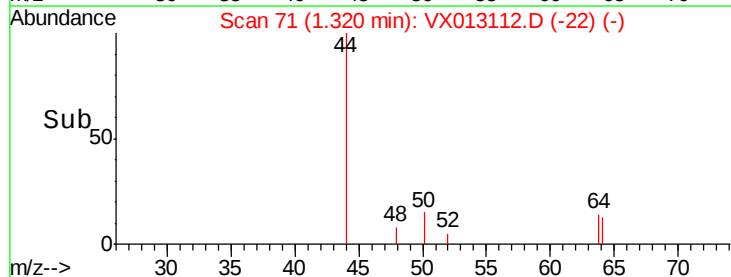
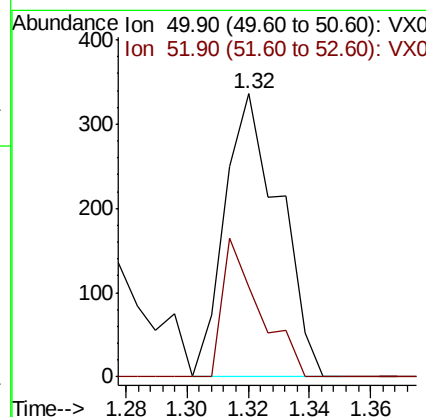
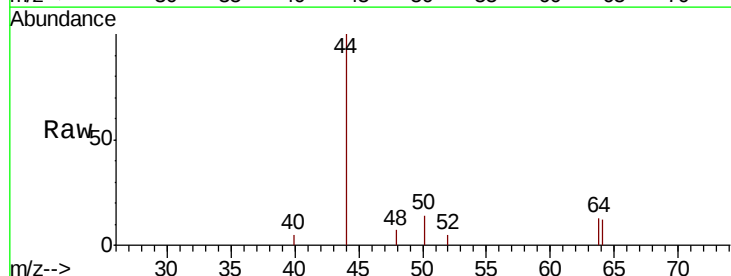
Instrument :
MSVOA_X
ClientSampled :
DRW-2

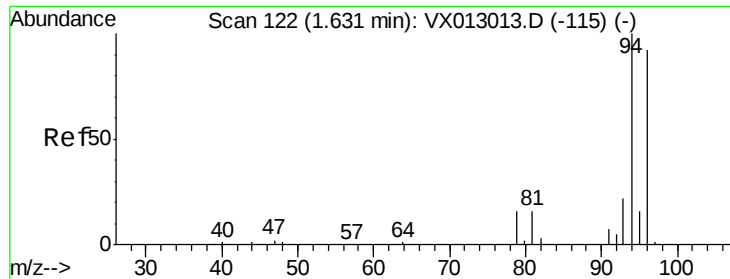
Tot Ion:168 Resp: 174611
Ion Ratio Lower Upper
168 100
99 58.2 49.4 74.0



#3
Chloromethane
Concen: 0.215 ug/l
RT: 1.32 min Scan# 71
Delta R.T. 0.00 min
Lab File: VX013112.D
Acq: 17 Oct 2019 17:07

Tgt Ion: 50 Resp: 417
Ion Ratio Lower Upper
50 100
52 31.8 25.2 37.8





#5

Bromomethane

Concen: 0.260 ug/l

RT: 1.65 min Scan# 125

Delta R.T. 0.02 min

Lab File: VX013112.D

Acq: 17 Oct 2019 17:07

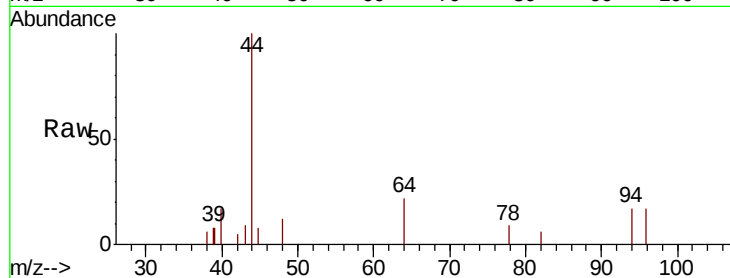
Instrument :
MSVOA_X
ClientSampleId :
DRW-2

Tot Ion: 94 Resp: 216

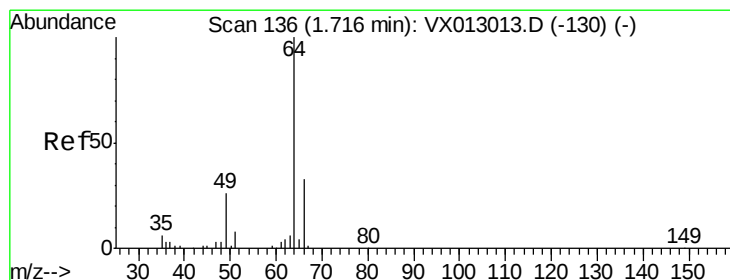
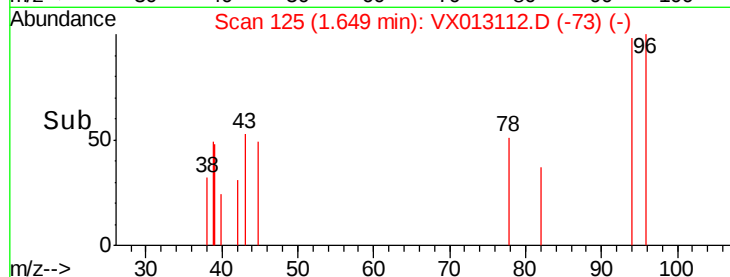
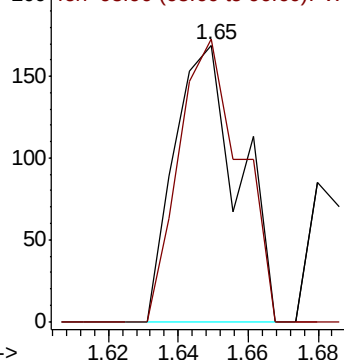
Ion Ratio Lower Upper

94 100

96 102.4 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: 0.473 ug/l

RT: 1.70 min Scan# 134

Delta R.T. -0.01 min

Lab File: VX013112.D

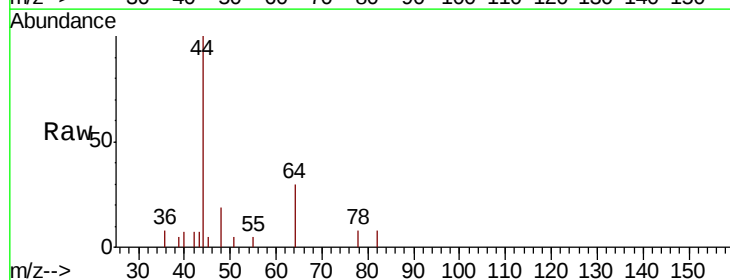
Acq: 17 Oct 2019 17:07

Tgt Ion: 64 Resp: 130

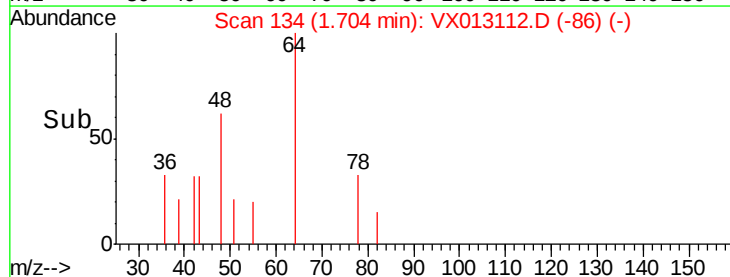
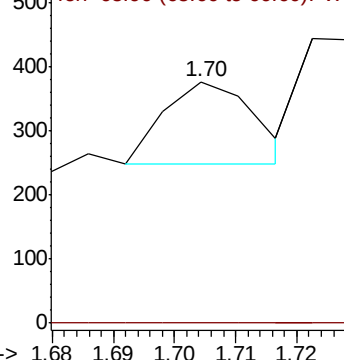
Ion Ratio Lower Upper

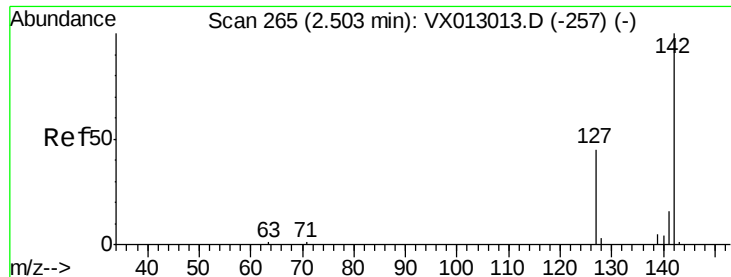
64 100

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

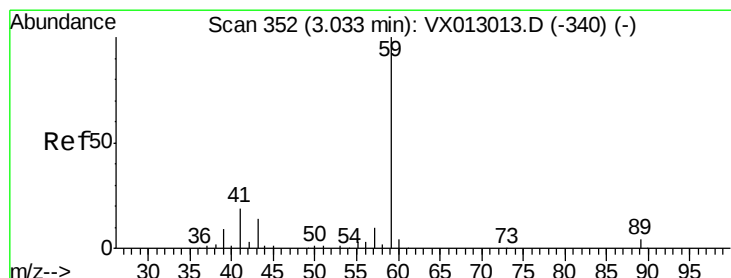
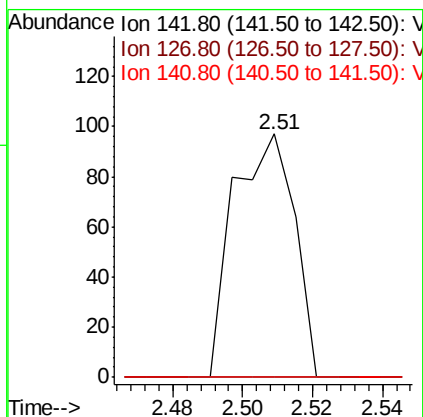
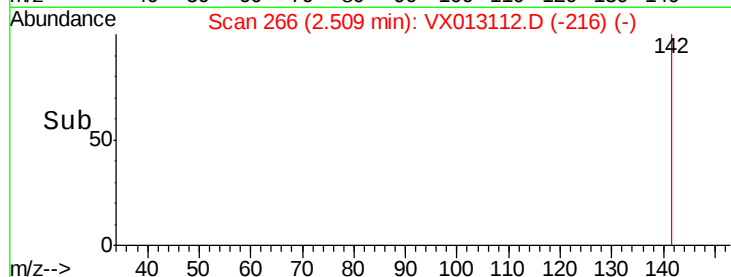
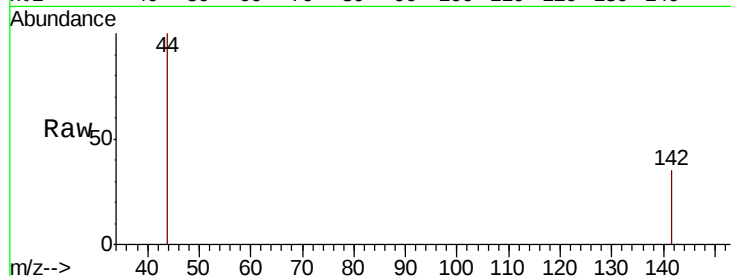




#10
Methyl Iodide
Concen: 5.135 ug/l
RT: 2.51 min Scan# 266
Delta R.T. 0.01 min
Lab File: VX013112.D
Acq: 17 Oct 2019 17:07

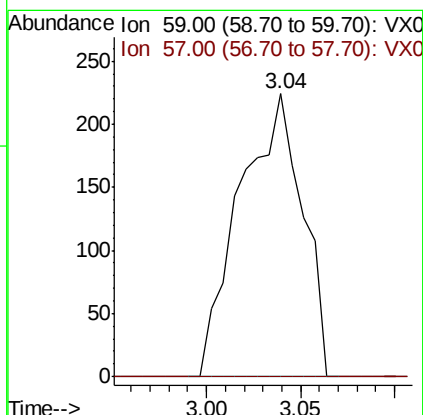
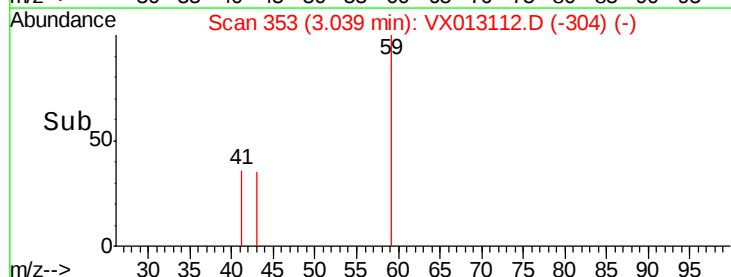
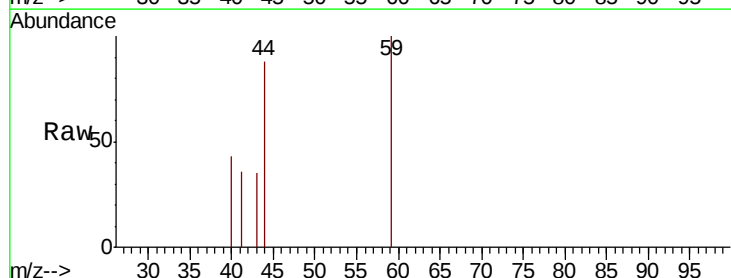
Instrument :
MSVOA_X
ClientSampled :
DRW-2

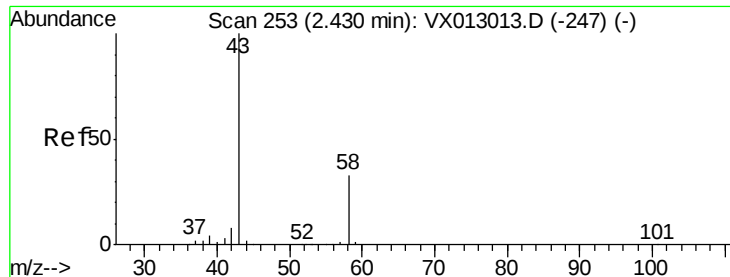
Tot Ion:142 Resp: 117
Ion Ratio Lower Upper
142 100
127 0.0 34.9 52.3#
141 0.0 11.6 17.4#



#11
Tert butyl alcohol
Concen: 0.892 ug/l
RT: 3.04 min Scan# 353
Delta R.T. 0.00 min
Lab File: VX013112.D
Acq: 17 Oct 2019 17:07

Tgt Ion: 59 Resp: 516
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#





#16

Acetone

Concen: 1.245 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.01 min

Lab File: VX013112.D

Acq: 17 Oct 2019 17:07

Instrument :

MSVOA_X

ClientSampled :

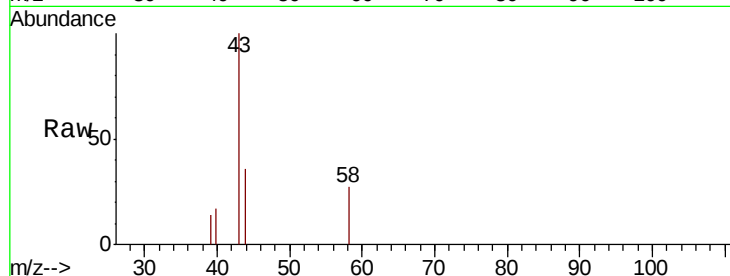
DRW-2

Tot Ion: 43 Resp: 1432

Ion Ratio Lower Upper

43 100

58 26.7 25.4 38.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.43

800

600

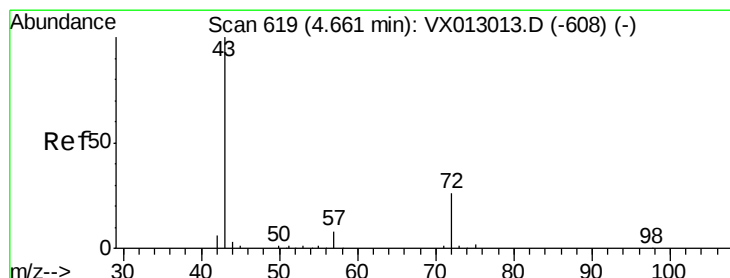
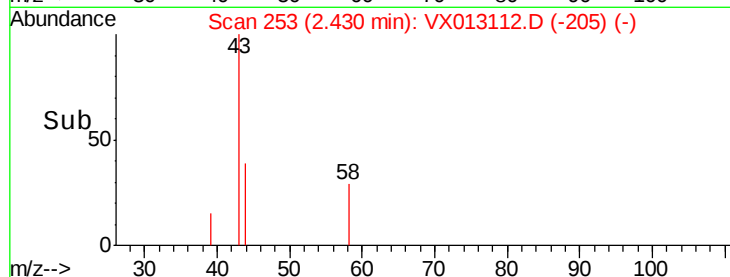
400

200

0

2.35 2.40 2.45 2.50

Time-->



#25

2-Butanone

Concen: 0.353 ug/l

RT: 4.69 min Scan# 623

Delta R.T. 0.02 min

Lab File: VX013112.D

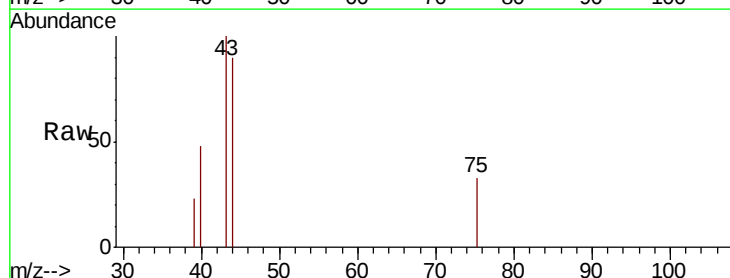
Acq: 17 Oct 2019 17:07

Tgt Ion: 43 Resp: 563

Ion Ratio Lower Upper

43 100

72 0.0 21.0 31.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

4.69

250

200

150

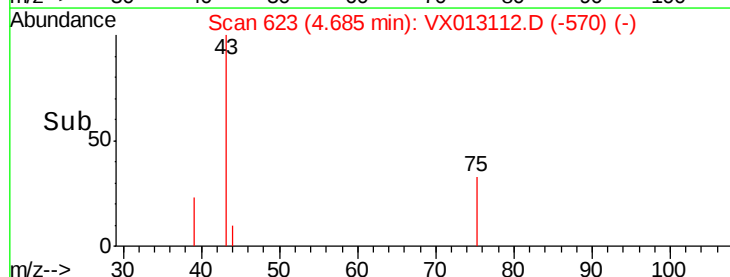
100

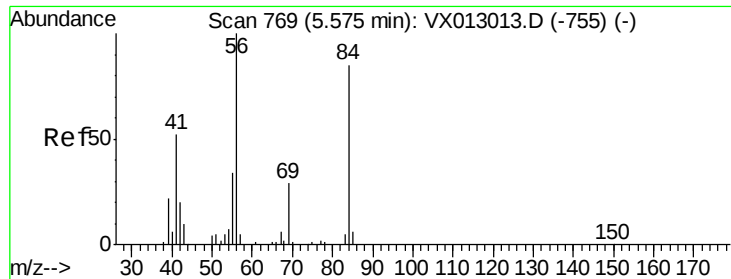
50

0

4.65 4.70

Time-->

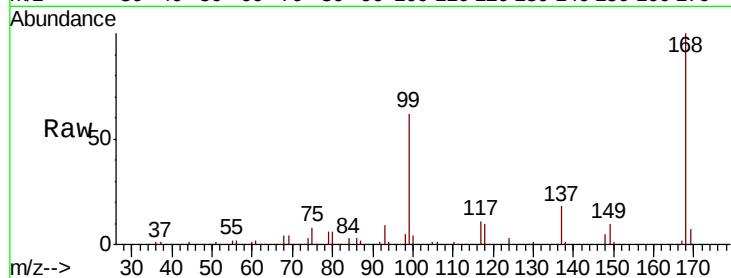




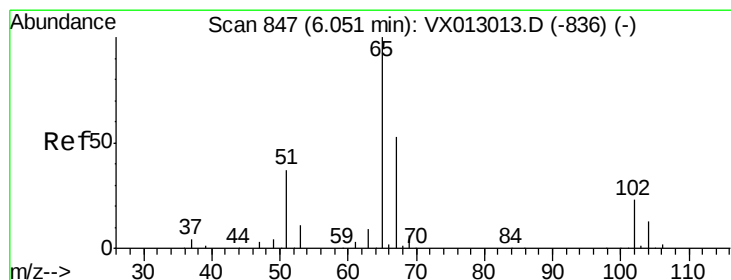
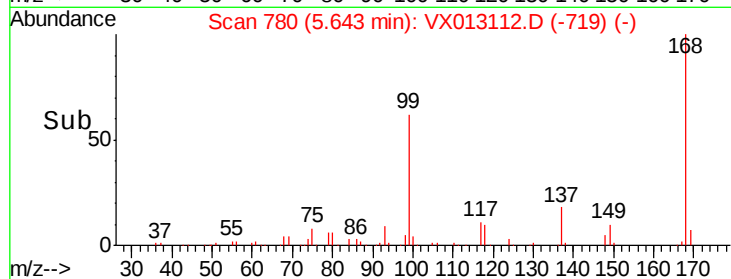
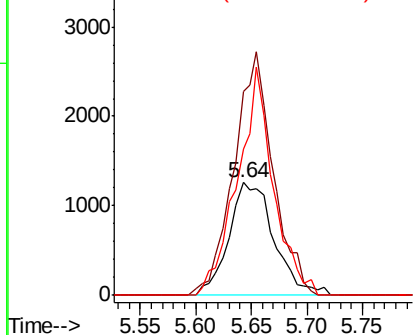
#31
Cyclohexane
Concen: 1.117 ug/l
RT: 5.64 min Scan# 780
Delta R.T. 0.07 min
Lab File: VX013112.D
Acq: 17 Oct 2019 17:07

Instrument :
MSVOA_X
ClientSampleId :
DRW-2

Tot Ion: 56 Resp: 3539
Ion Ratio Lower Upper
56 100
69 180.7 25.2 37.8#
84 129.5 71.3 106.9#

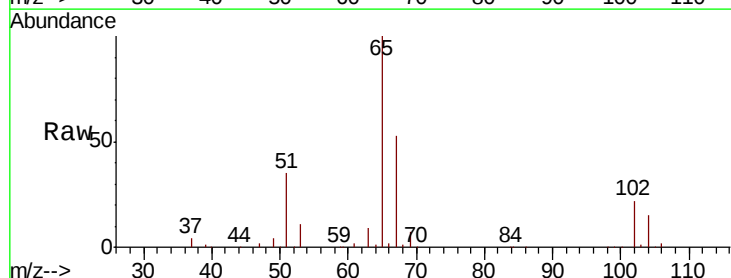


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

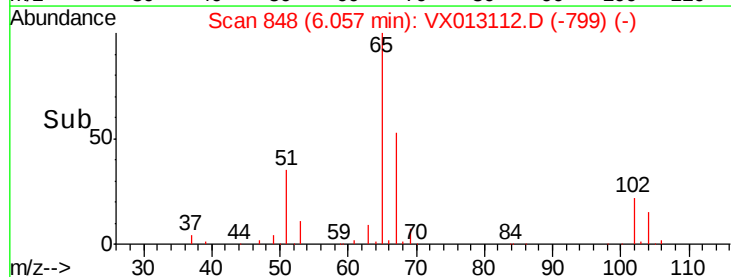
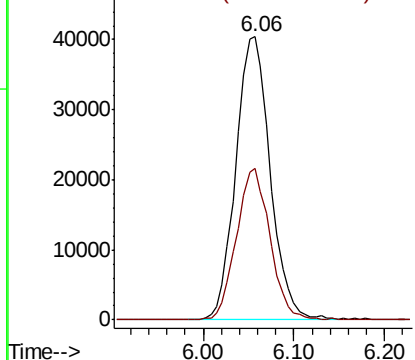


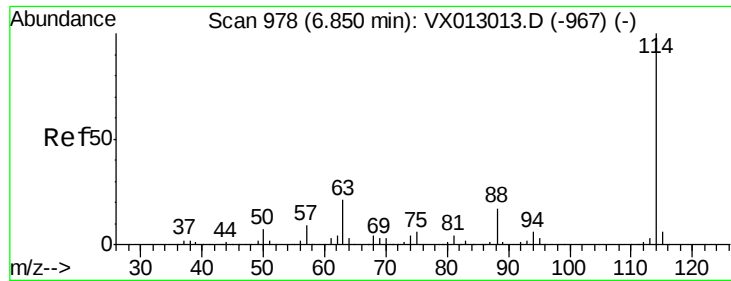
#33
1,2-Dichloroethane-d4
Concen: 48.672 ug/l
RT: 6.06 min Scan# 848
Delta R.T. 0.00 min
Lab File: VX013112.D
Acq: 17 Oct 2019 17:07

Tgt Ion: 65 Resp: 106222
Ion Ratio Lower Upper
65 100
67 52.2 0.0 104.4



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

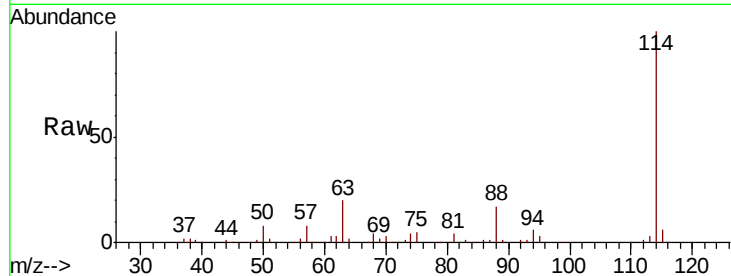




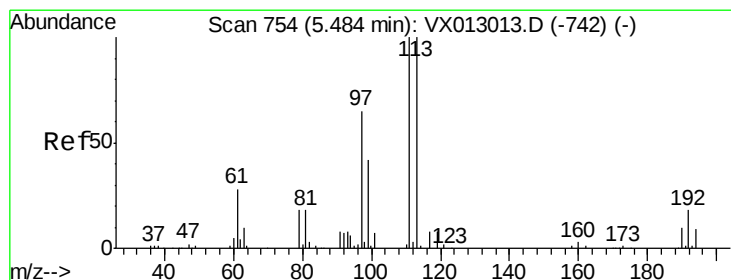
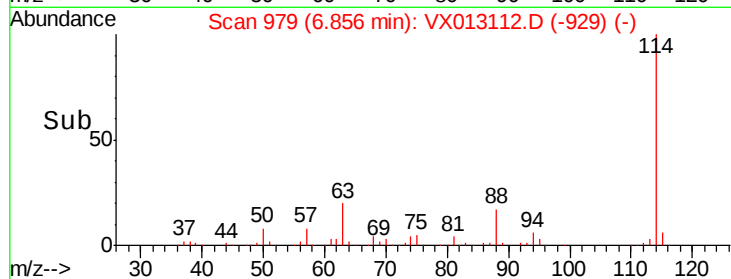
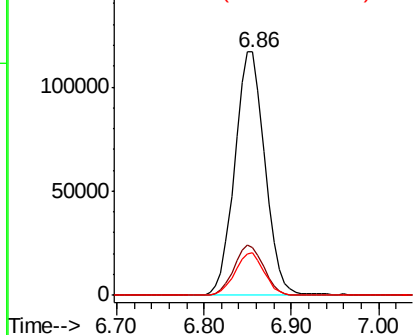
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 979
 Delta R.T. 0.01 min
 Lab File: VX013112.D
 Acq: 17 Oct 2019 17:07

Instrument :
 MSVOA_X
 ClientSampleId :
 DRW-2

Tot Ion:114 Resp: 280833
 Ion Ratio Lower Upper
 114 100
 63 19.6 0.0 40.8
 88 17.3 0.0 33.8

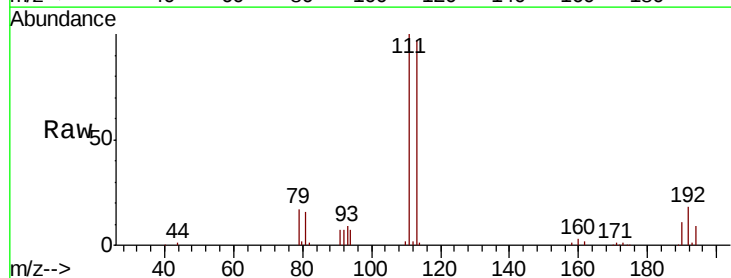


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

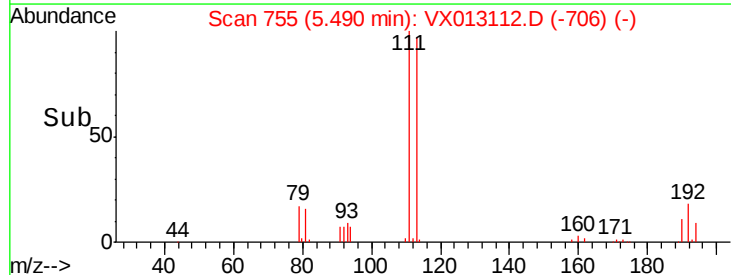
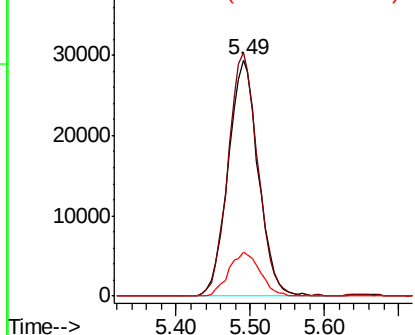


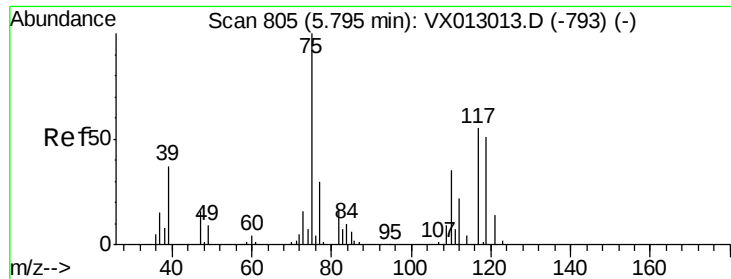
#35
 Dibromofluoromethane
 Concen: 51.616 ug/l
 RT: 5.49 min Scan# 755
 Delta R.T. 0.00 min
 Lab File: VX013112.D
 Acq: 17 Oct 2019 17:07

Tgt Ion:113 Resp: 83197
 Ion Ratio Lower Upper
 113 100
 111 102.0 83.2 124.8
 192 19.3 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

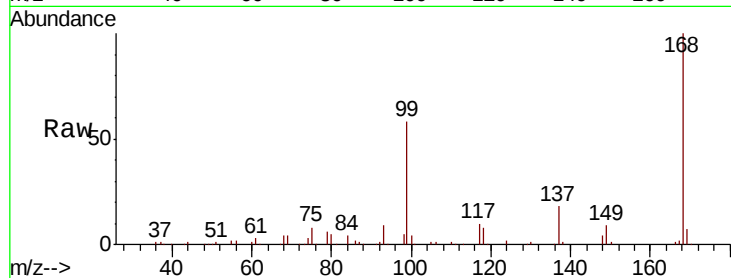




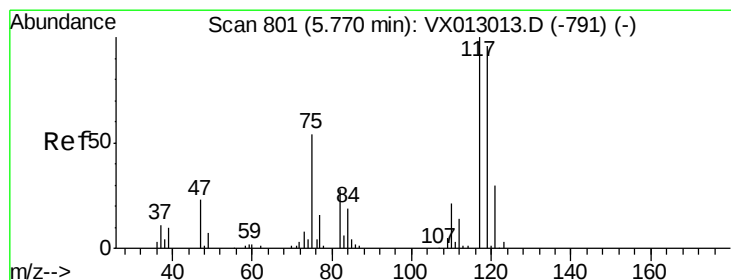
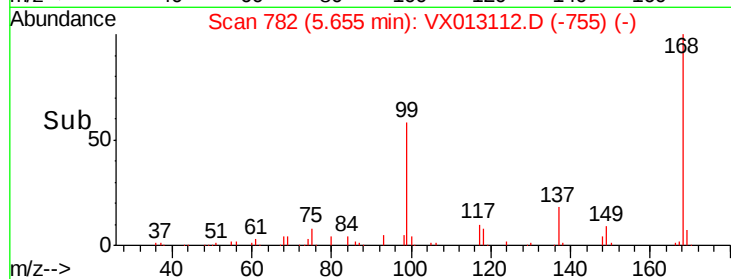
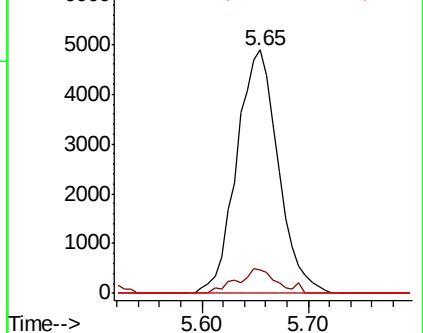
#36
 1,1-Dichloropropene
 Concen: 5.417 ug/l
 RT: 5.65 min Scan# 782
 Delta R.T. -0.13 min
 Lab File: VX013112.D
 Acq: 17 Oct 2019 17:07

Instrument :
 MSVOA_X
 ClientSampleId :
 DRW-2

Tot Ion	Ratio	Lower	Upper
75	100		
110	9.4	17.6	52.9#
77	0.0	24.4	36.6#

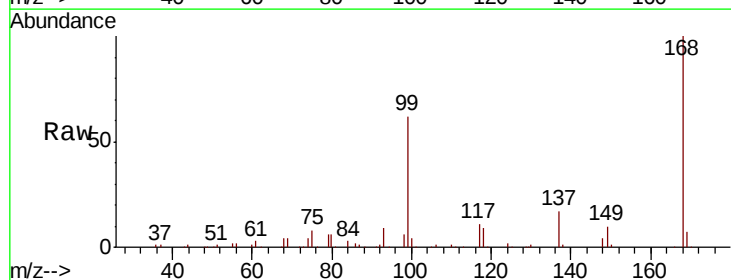


Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VX0

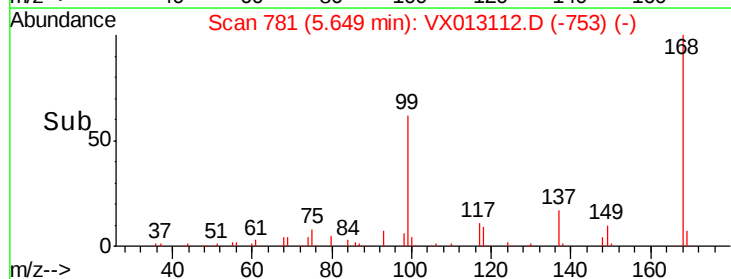
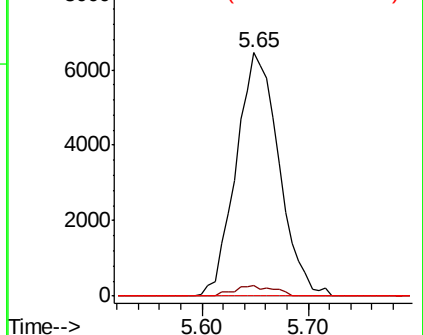


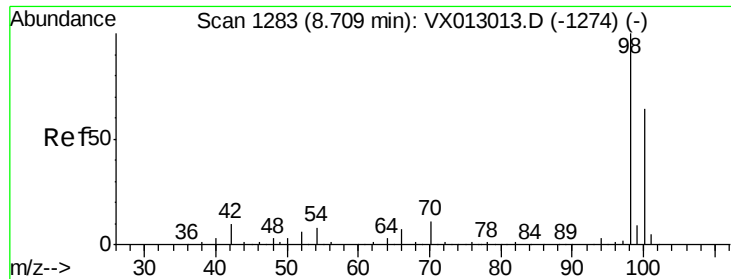
#38
 Carbon Tetrachloride
 Concen: 7.592 ug/l
 RT: 5.65 min Scan# 781
 Delta R.T. -0.13 min
 Lab File: VX013112.D
 Acq: 17 Oct 2019 17:07

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.4	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

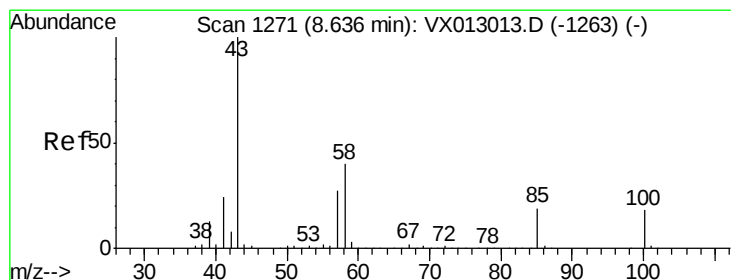
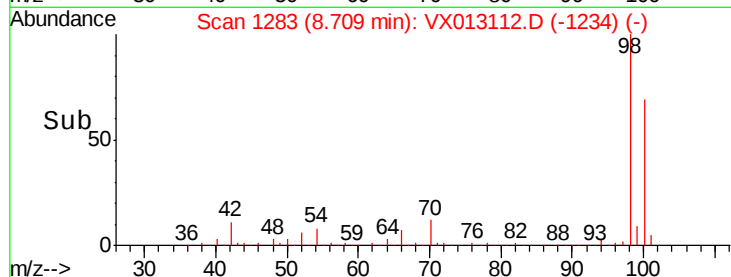
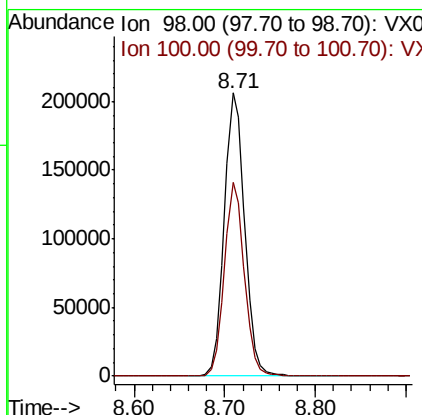
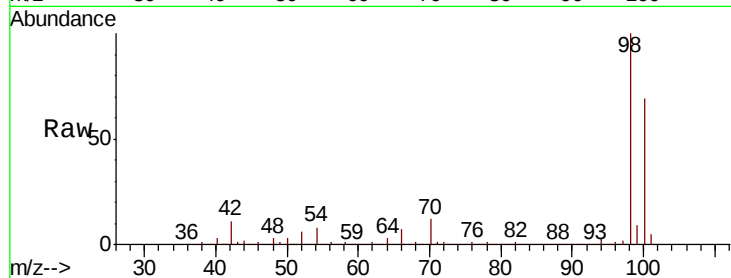




#50
Toluene-d8
Concen: 51.422 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX013112.D
Acq: 17 Oct 2019 17:07

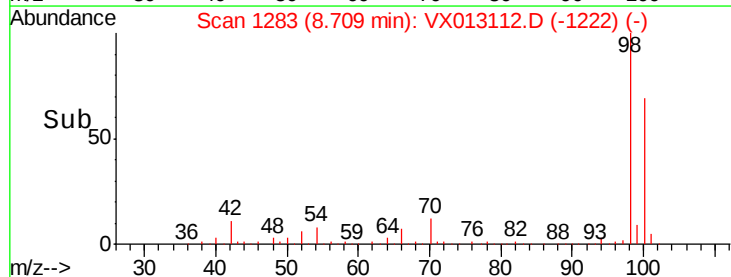
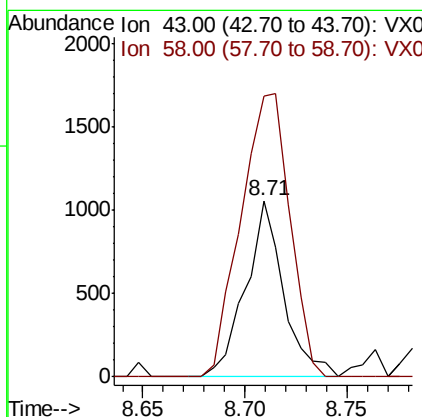
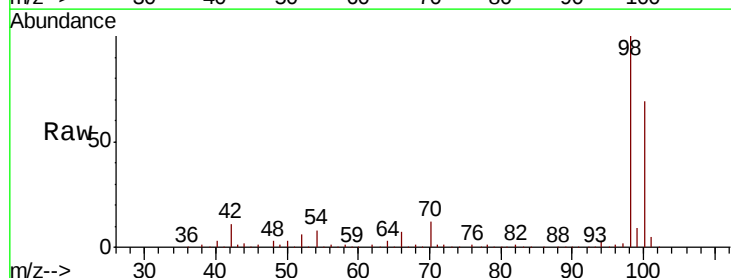
Instrument :
MSVOA_X
ClientSampleId :
DRW-2

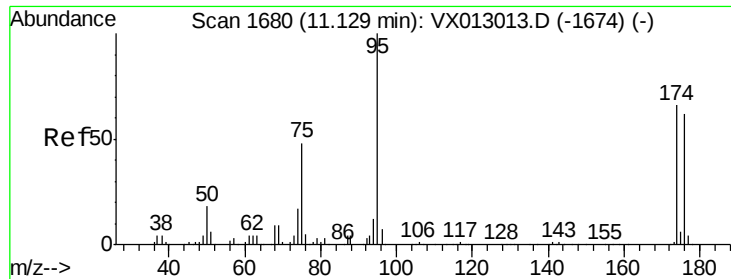
Tot Ion: 98 Resp: 323269
Ion Ratio Lower Upper
98 100
100 66.8 53.4 80.2



#51
4-Methyl-2-Pentanone
Concen: 0.498 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.07 min
Lab File: VX013112.D
Acq: 17 Oct 2019 17:07

Tgt Ion: 43 Resp: 1375
Ion Ratio Lower Upper
43 100
58 206.4 32.4 48.6#

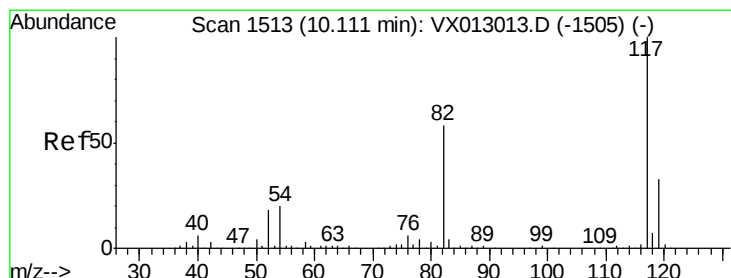
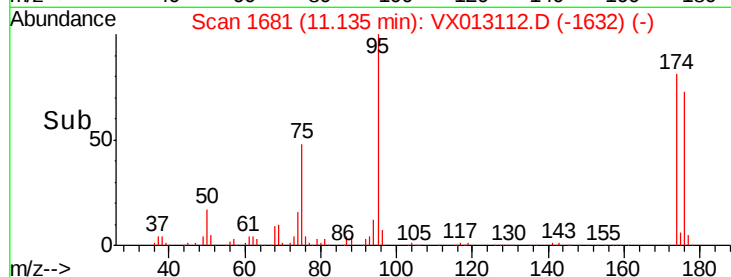
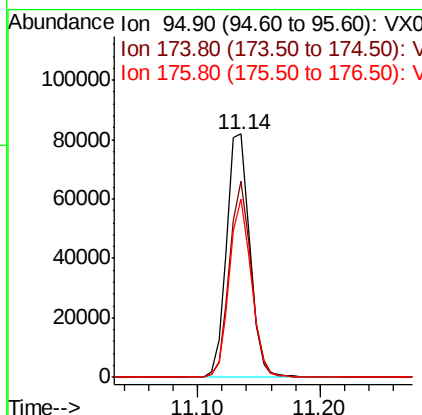
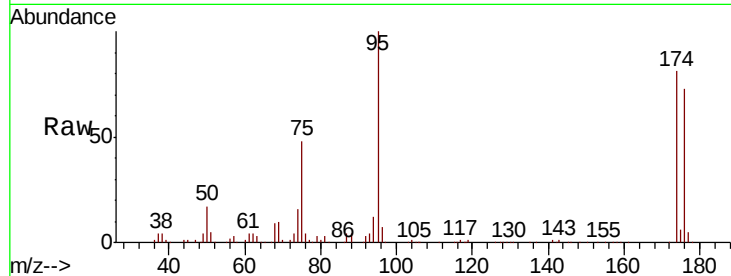




#62
4-Bromofluorobenzene
Concen: 43.917 ug/l
RT: 11.14 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VX013112.D
Acq: 17 Oct 2019 17:07

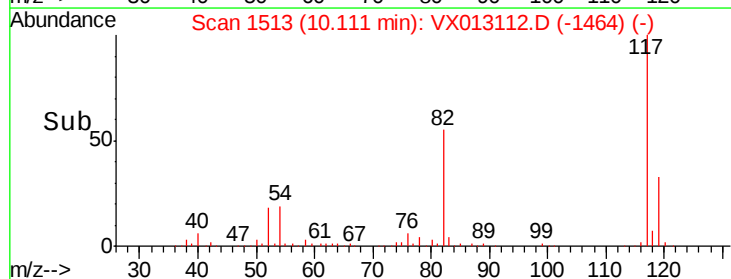
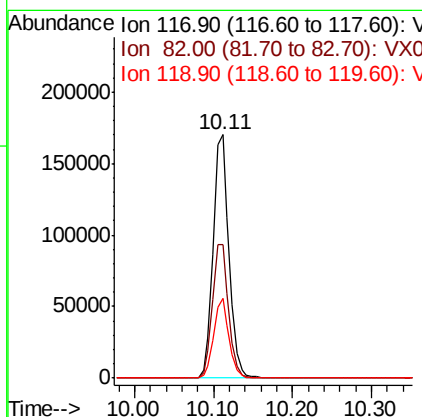
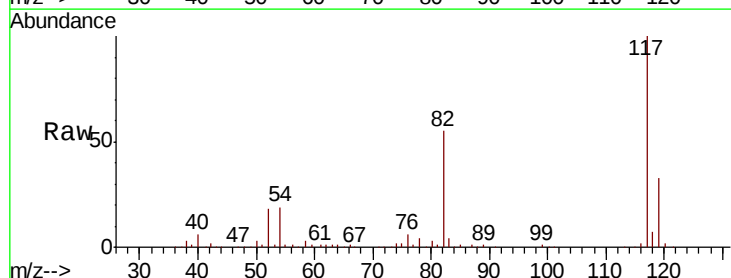
Instrument :
MSVOA_X
ClientSampled :
DRW-2

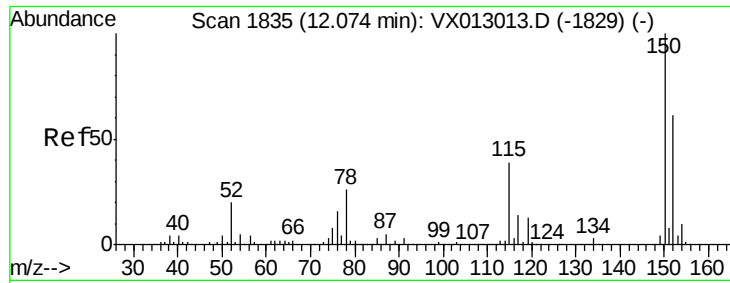
Tot Ion: 95 Resp: 107275
Ion Ratio Lower Upper
95 100
174 75.5 0.0 143.4
176 69.6 0.0 136.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX013112.D
Acq: 17 Oct 2019 17:07

Tgt Ion: 117 Resp: 236897
Ion Ratio Lower Upper
117 100
82 55.1 44.1 66.1
119 32.9 25.8 38.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX013112.D

Acq: 17 Oct 2019 17:07

Instrument :

MSVOA_X

ClientSampleId :

DRW-2

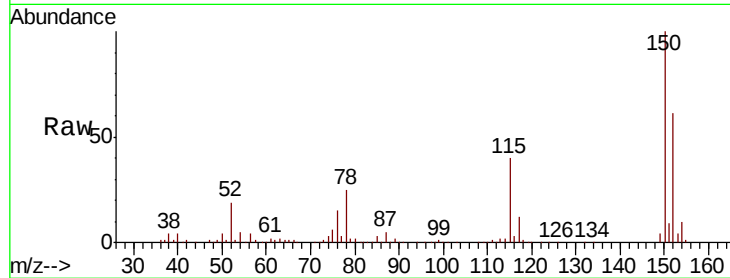
Tot Ion:152 Resp: 93291

Ion Ratio Lower Upper

152 100

115 63.6 44.5 133.5

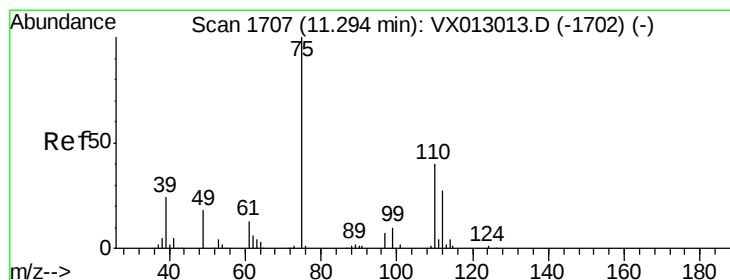
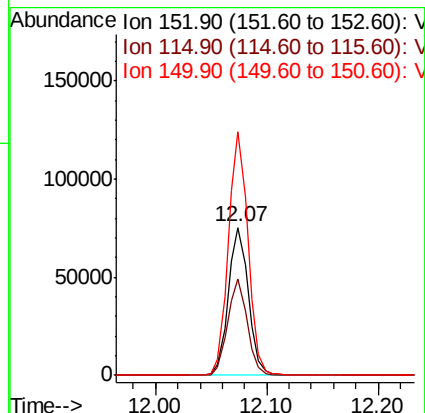
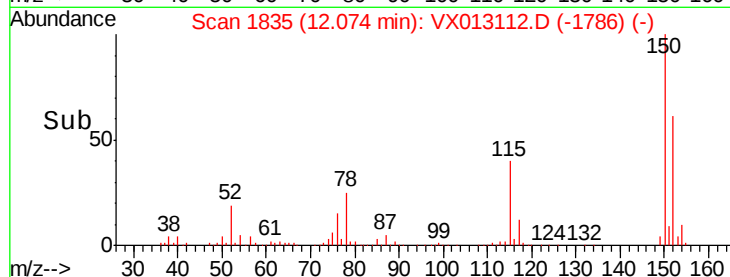
150 161.4 0.0 353.4



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: 25.556 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX013112.D

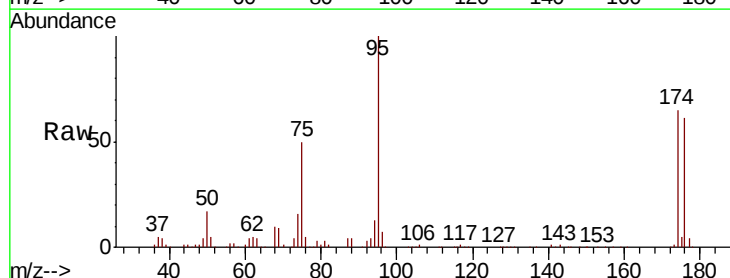
Acq: 17 Oct 2019 17:07

Tgt Ion: 75 Resp: 52881

Ion Ratio Lower Upper

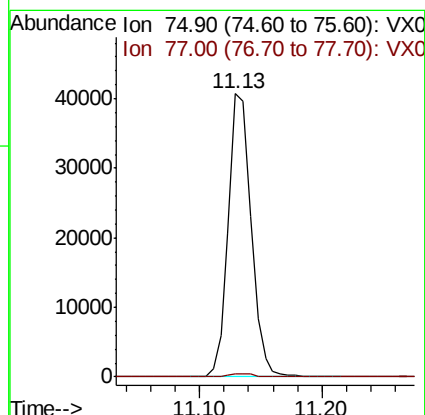
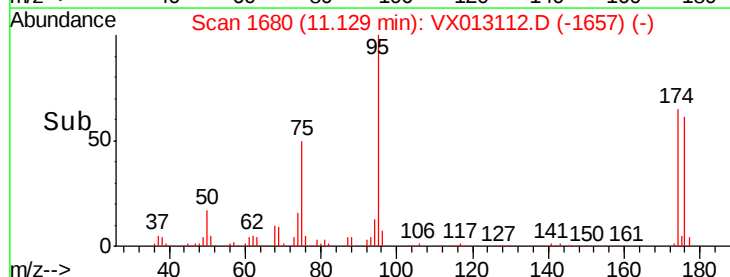
75 100

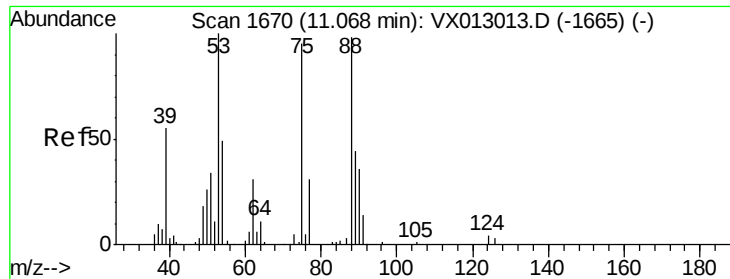
77 1.2 22.9 68.8#



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: 64.434 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX013112.D

Acq: 17 Oct 2019 17:07

Instrument :

MSVOA_X

ClientSampleId :

DRW-2

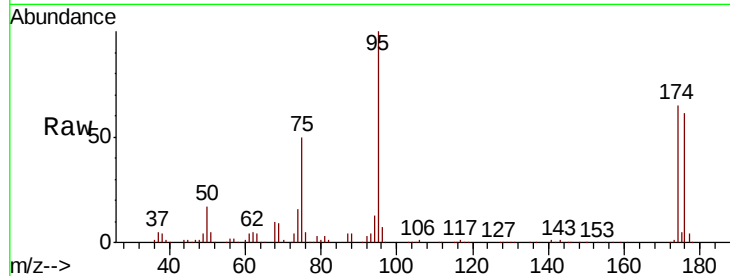
Tot Ion: 75 Resp: 52881

Ion Ratio Lower Upper

75 100

53 0.0 78.5 117.7#

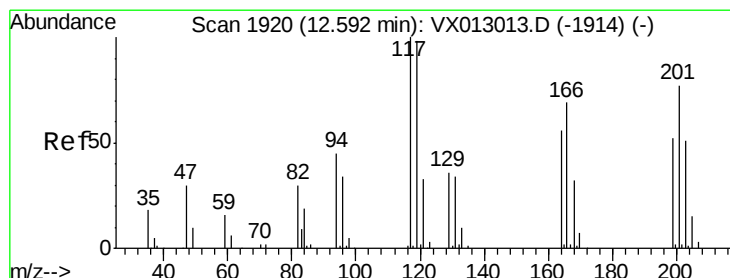
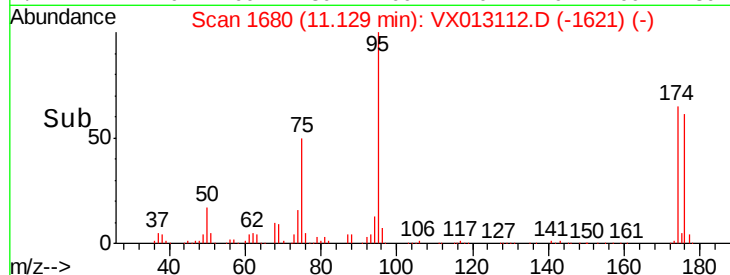
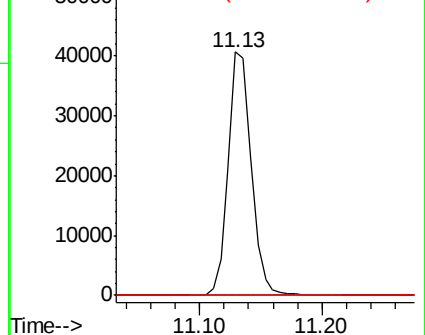
89 0.0 37.4 56.2#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0



#90

Hexachloroethane

Concen: 2.246 ug/l

RT: 12.70 min Scan# 1937

Delta R.T. 0.10 min

Lab File: VX013112.D

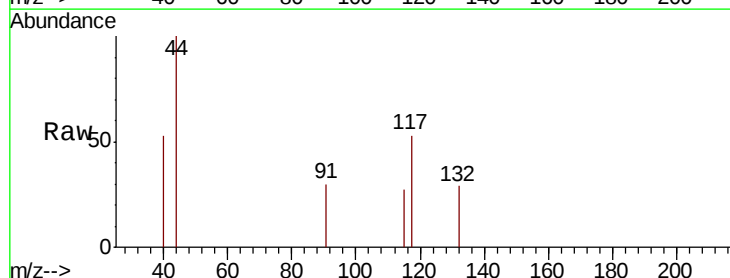
Acq: 17 Oct 2019 17:07

Tgt Ion: 117 Resp: 149

Ion Ratio Lower Upper

117 100

201 0.0 36.9 110.7#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

