

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX121719\
 Data File : VX014052.D
 Acq On : 17 Dec 2019 15:17
 Operator : JC/SP
 Sample : VX1217WBL01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1217WBL01

Quant Time: Dec 18 07:12:28 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 17 03:01:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	593364	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	912426	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	813423	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	362810	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	329941	49.06	ug/l	0.00
Spiked Amount			Recovery	=	98.12%	
35) Dibromofluoromethane	5.48	113	271670	48.98	ug/l	0.00
Spiked Amount			Recovery	=	97.96%	
50) Toluene-d8	8.71	98	1083687	50.18	ug/l	0.00
Spiked Amount			Recovery	=	100.36%	
62) 4-Bromofluorobenzene	11.13	95	363447	46.04	ug/l	0.00
Spiked Amount			Recovery	=	92.08%	

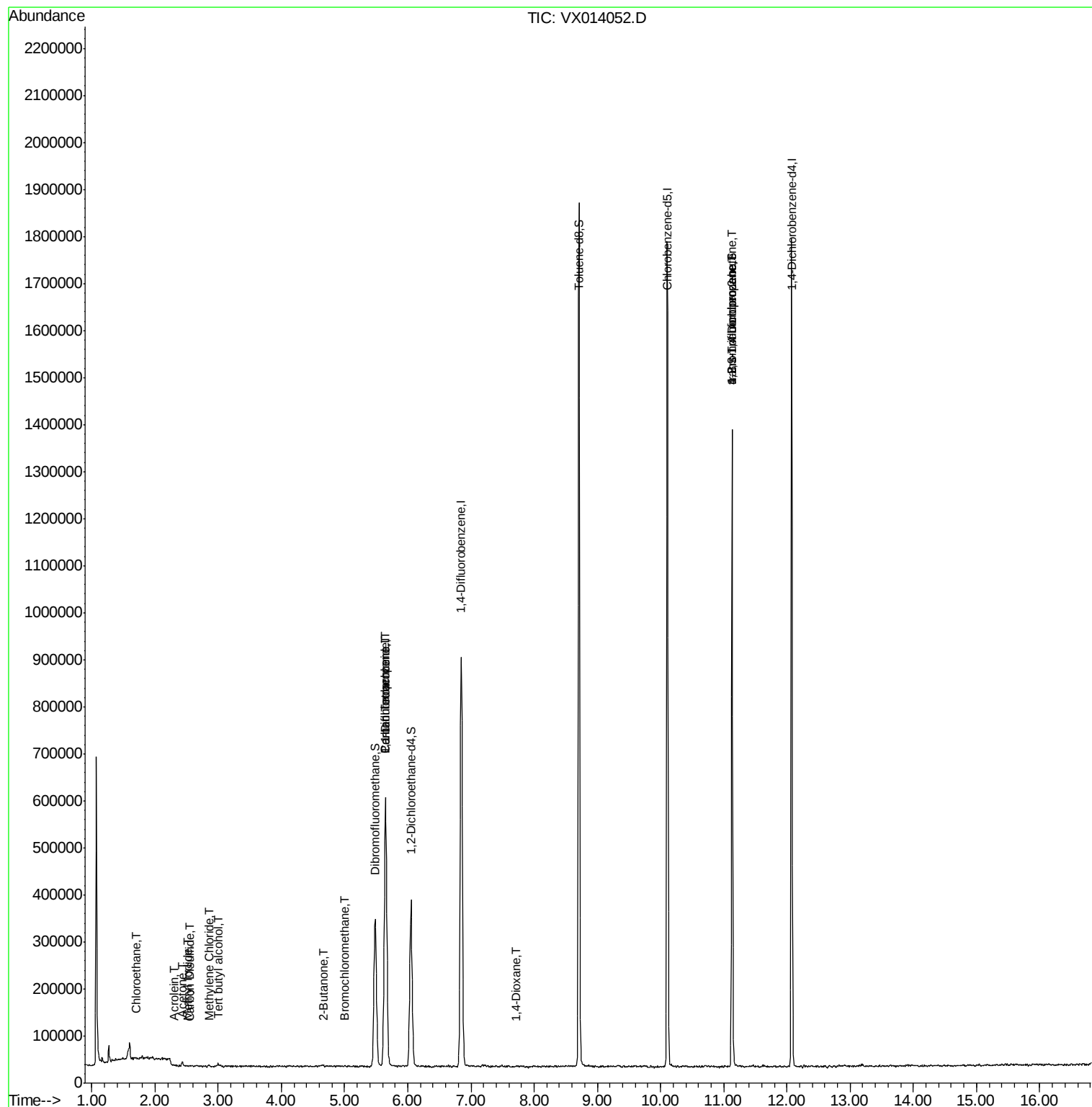
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.70	64	950	0.205	ug/l	91
10) Methyl Iodide	2.51	142	980	2.746	ug/l #	83
11) Tert butyl alcohol	3.00	59	4436	3.053	ug/l #	87
13) Acrolein	2.31	56	1175	1.413	ug/l #	26
16) Acetone	2.43	43	9369	2.146	ug/l #	86
17) Carbon Disulfide	2.55	76	1777	0.861	ug/l #	66
20) Methylene Chloride	2.84	84	1730	0.252	ug/l #	51
25) 2-Butanone	4.67	43	2177	0.404	ug/l #	49
28) Bromochloromethane	5.00	49	304	0.523	ug/l #	1
36) 1,1-Dichloropropene	5.65	75	40918	4.887	ug/l #	51
38) Carbon Tetrachloride	5.65	117	52761	6.918	ug/l #	17
49) 1,4-Dioxane	7.72	88	297	1.948	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	174315	22.131	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.13	75	174315	62.465	ug/l #	12

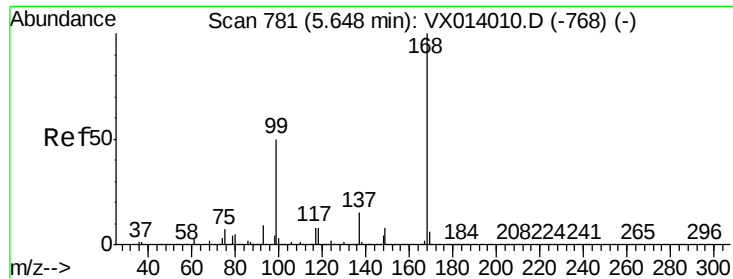
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
Quant Title : SW846 8260
QLast Update : Tue Dec 17 03:01:07 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. 0.00 min

Lab File: VX014052.D

Acq: 17 Dec 2019 15:17

Instrument :

MSVOA_X

ClientSampleId :

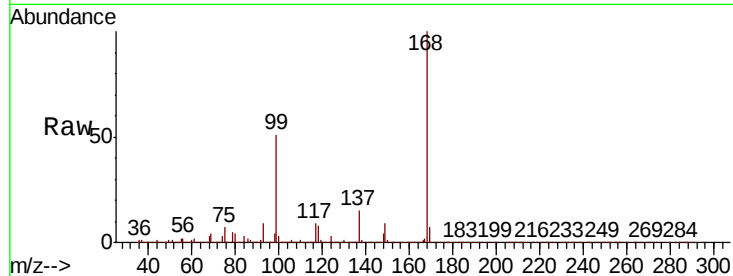
VX1217WBL01

Tot Ion:168 Resp: 593364

Ion Ratio Lower Upper

168 100

99 50.8 40.3 60.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

200000

150000

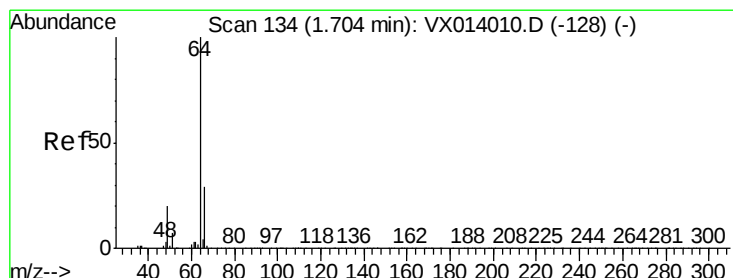
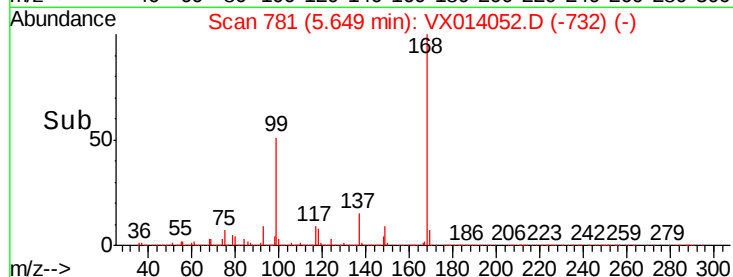
100000

50000

0

5.50 5.60 5.70 5.80

Time-->



#6

Chloroethane

Concen: 0.205 ug/l

RT: 1.70 min Scan# 134

Delta R.T. 0.00 min

Lab File: VX014052.D

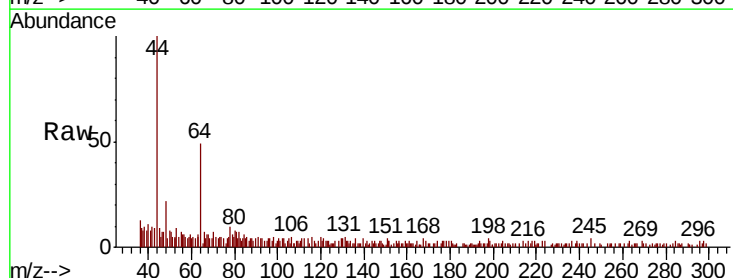
Acq: 17 Dec 2019 15:17

Tgt Ion: 64 Resp: 950

Ion Ratio Lower Upper

64 100

66 34.1 23.4 35.2



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.70

2500

2000

1500

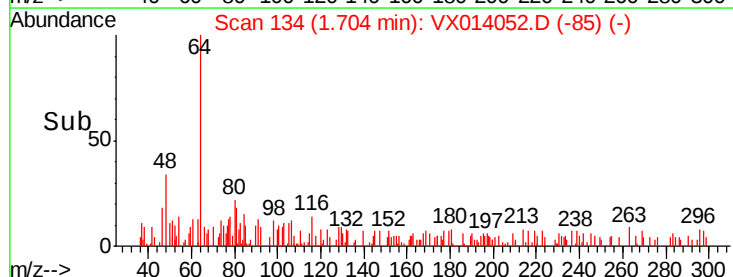
1000

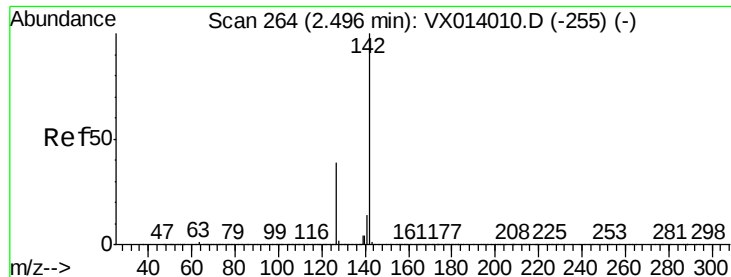
500

0

1.68 1.70 1.72

Time-->

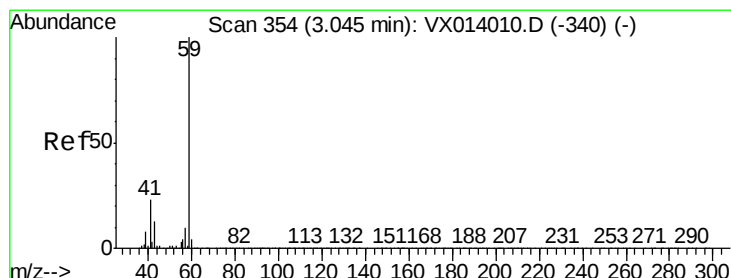
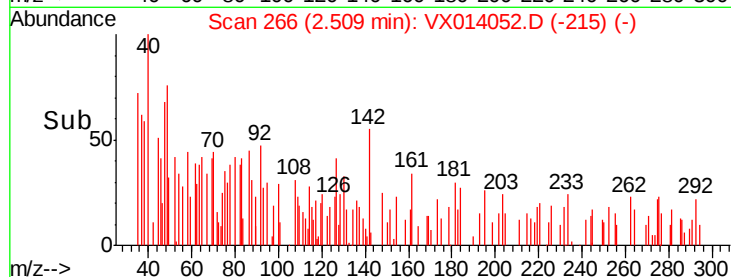
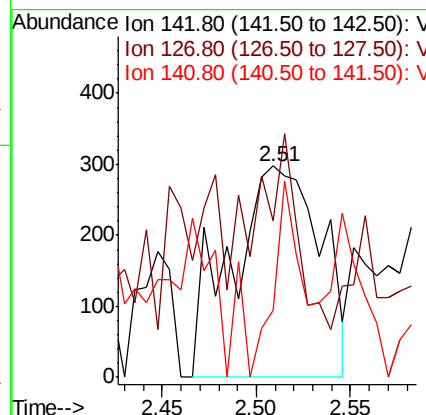
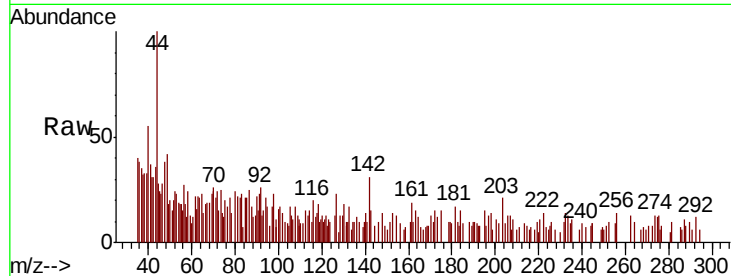




#10
Methvl Iodide
Concen: 2.746 ug/l
RT: 2.51 min Scan# 266
Delta R.T. 0.01 min
Lab File: VX014052.D
Acq: 17 Dec 2019 15:17

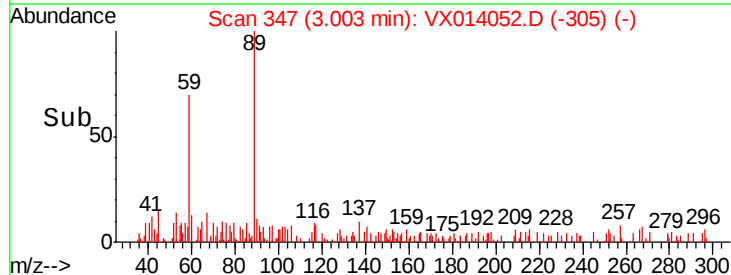
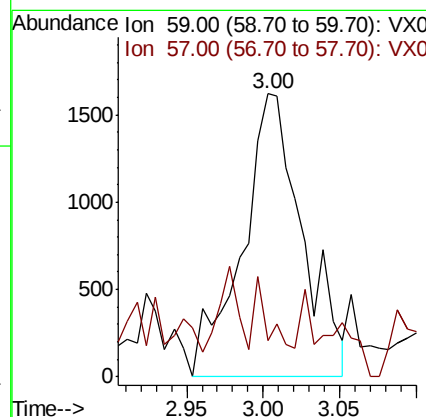
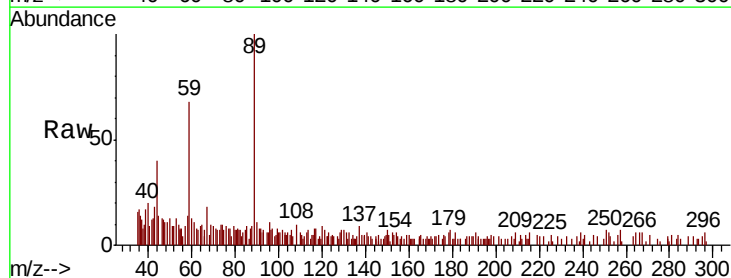
Instrument :
MSVOA_X
ClientSampleId :
VX1217WBL01

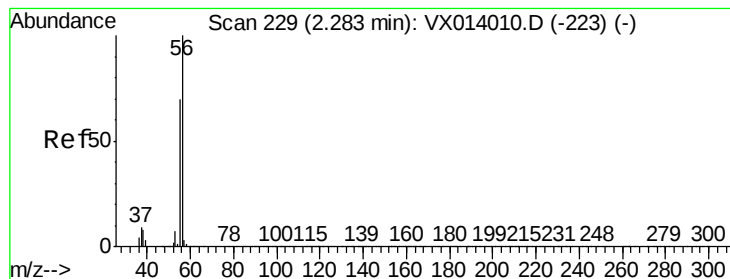
Tot Ion:142 Resp: 980
Ion Ratio Lower Upper
142 100
127 32.1 31.6 47.4
141 26.6 11.6 17.4#



#11
Tert butyl alcohol
Concen: 3.053 ug/l
RT: 3.00 min Scan# 347
Delta R.T. -0.04 min
Lab File: VX014052.D
Acq: 17 Dec 2019 15:17

Tgt Ion: 59 Resp: 4436
Ion Ratio Lower Upper
59 100
57 5.5 8.4 12.6#





#13

Acrolein

Concen: 1.413 ug/l

RT: 2.31 min Scan# 234

Delta R.T. 0.03 min

Lab File: VX014052.D

Acq: 17 Dec 2019 15:17

Instrument :

MSVOA_X

ClientSampled :

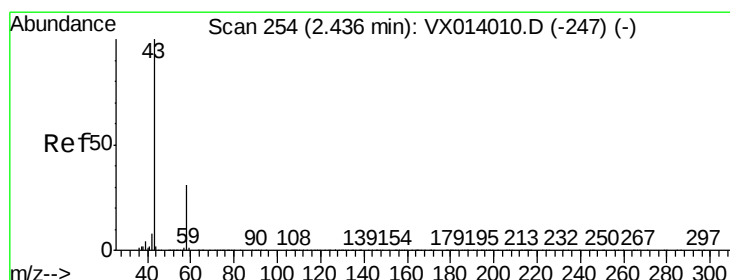
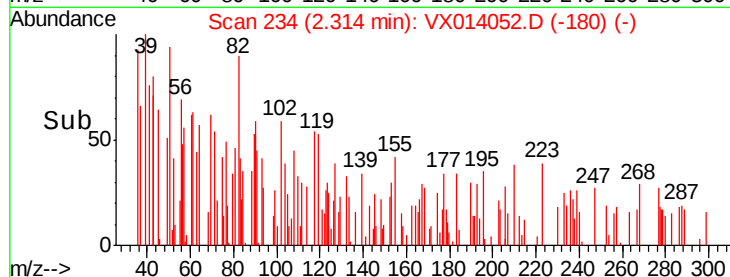
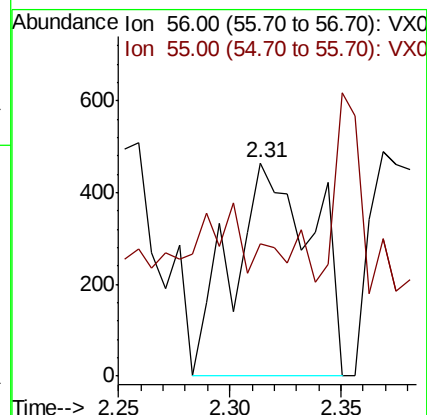
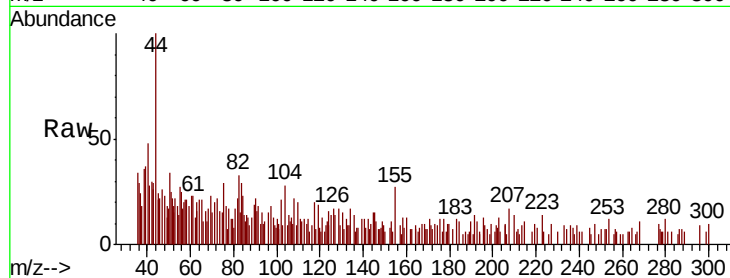
VX1217WBL01

Tot Ion: 56 Resp: 1175

Ion Ratio Lower Upper

56 100

55 9.7 56.9 85.3#



#16

Acetone

Concen: 2.146 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.01 min

Lab File: VX014052.D

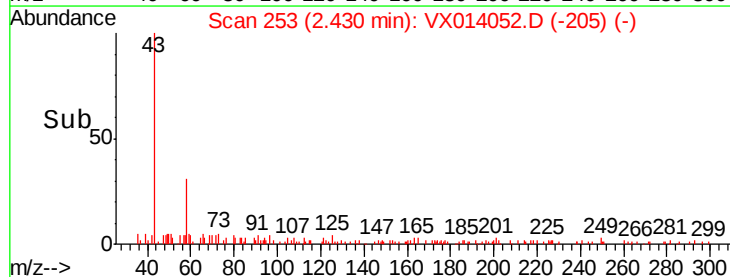
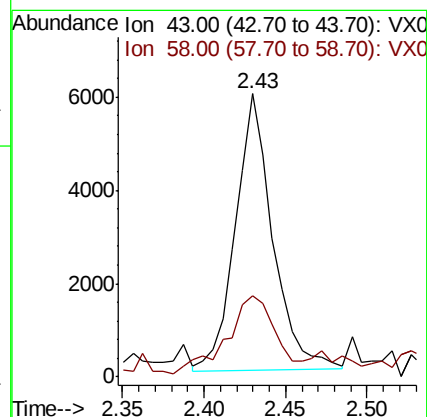
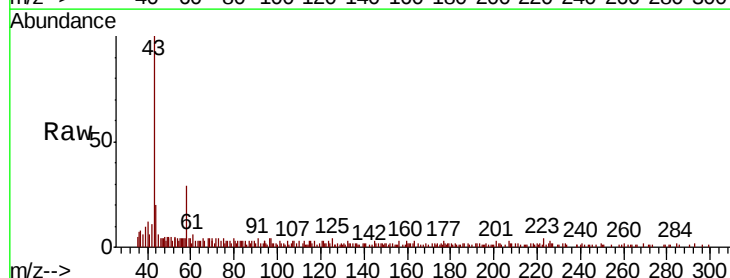
Acq: 17 Dec 2019 15:17

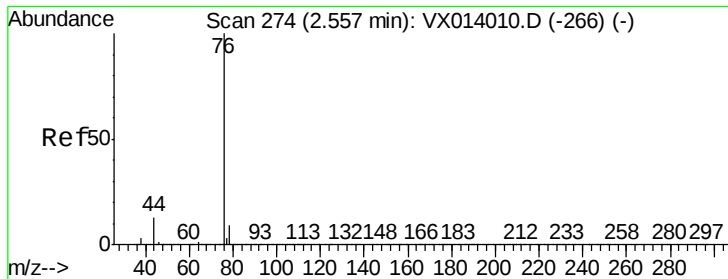
Tgt Ion: 43 Resp: 9369

Ion Ratio Lower Upper

43 100

58 23.6 24.9 37.3#

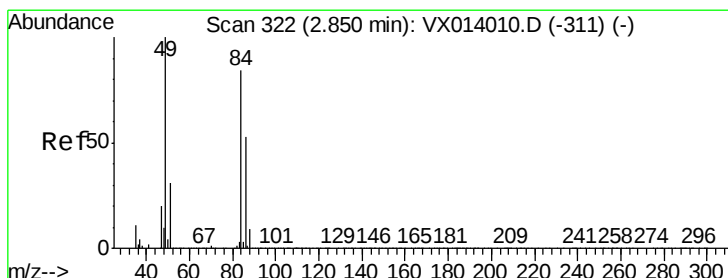
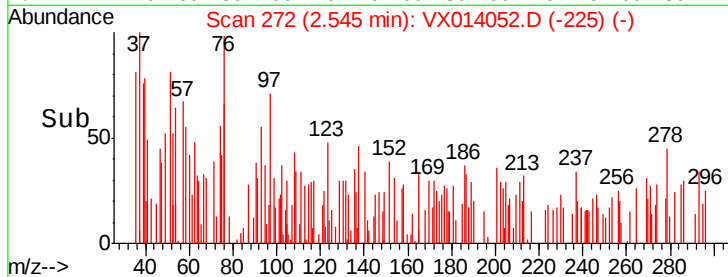
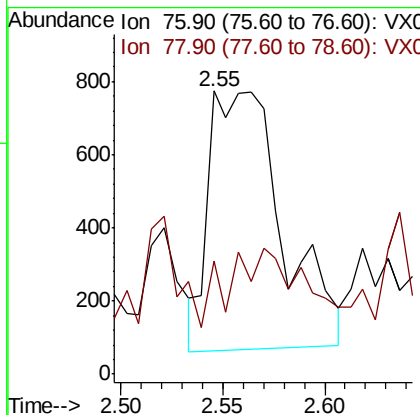
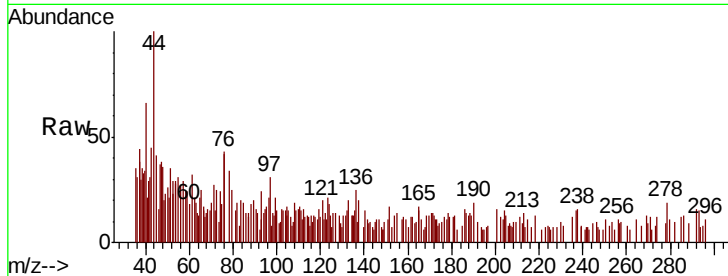




#17
Carbon Disulfide
Concen: 0.861 ug/l
RT: 2.55 min Scan# 272
Delta R.T. -0.01 min
Lab File: VX014052.D
Acq: 17 Dec 2019 15:17

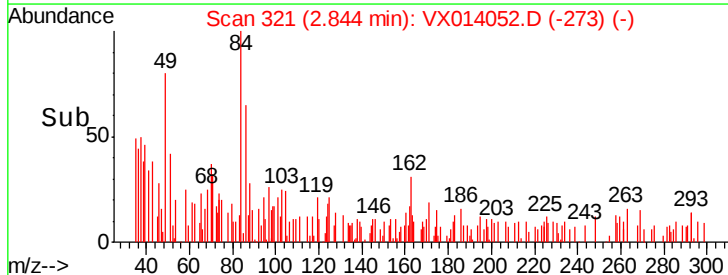
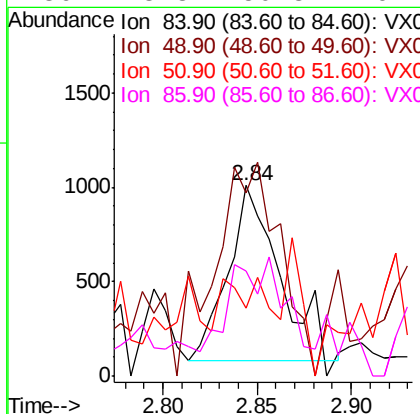
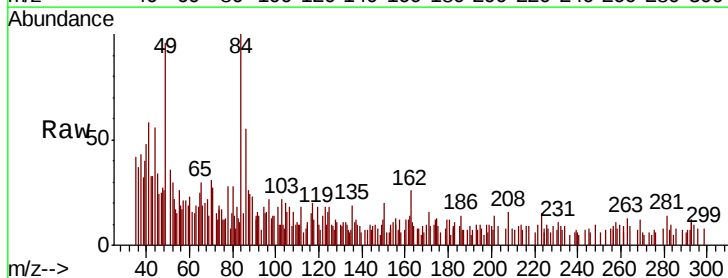
Instrument :
MSVOA_X
ClientSampleId :
VX1217WBL01

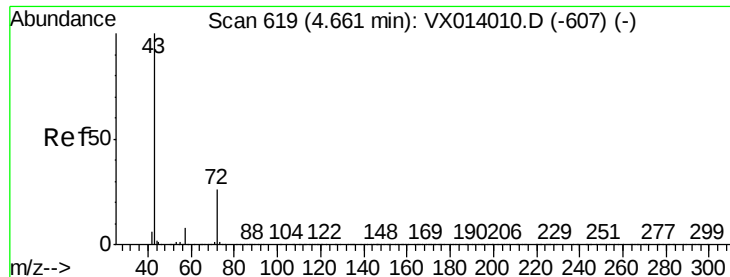
Tot Ion: 76 Resp: 1777
Ion Ratio Lower Upper
76 100
78 21.2 7.2 10.8#



#20
Methylene Chloride
Concen: 0.252 ug/l
RT: 2.84 min Scan# 321
Delta R.T. -0.01 min
Lab File: VX014052.D
Acq: 17 Dec 2019 15:17

Tgt Ion: 84 Resp: 1730
Ion Ratio Lower Upper
84 100
49 44.7 95.8 143.6#
51 13.8 29.8 44.8#
86 48.8 50.8 76.2#





#25

2-Butanone

Concen: 0.404 ug/l

RT: 4.67 min Scan# 620

Delta R.T. 0.01 min

Lab File: VX014052.D

Acq: 17 Dec 2019 15:17

Instrument :

MSVOA_X

ClientSampleId :

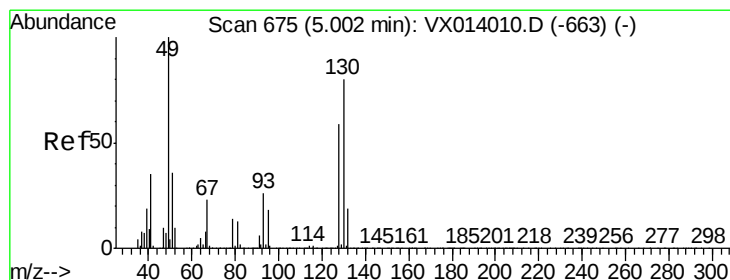
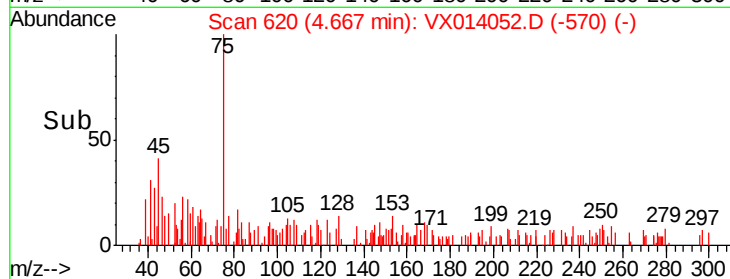
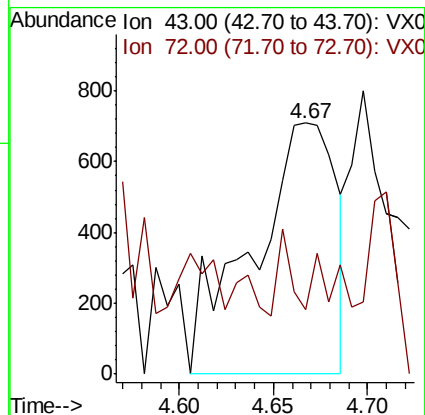
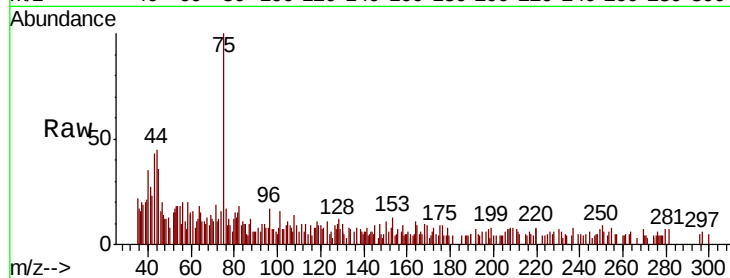
VX1217WBL01

Tot Ion: 43 Resp: 2177

Ion Ratio Lower Upper

43 100

72 0.0 21.0 31.4#



#28

Bromochloromethane

Concen: 0.523 ug/l

RT: 5.00 min Scan# 674

Delta R.T. -0.01 min

Lab File: VX014052.D

Acq: 17 Dec 2019 15:17

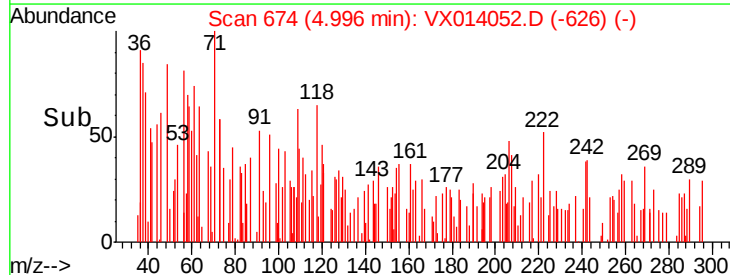
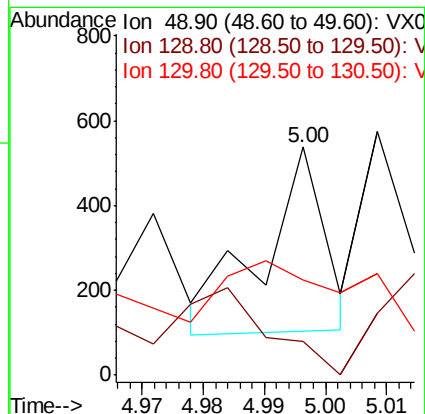
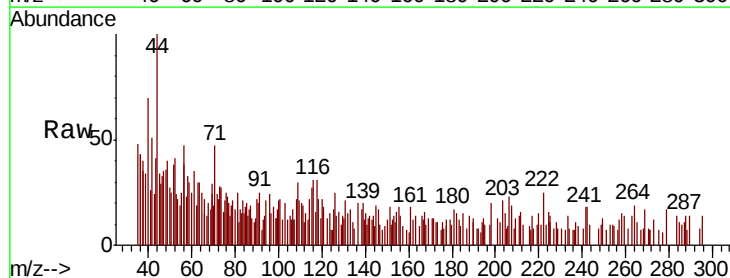
Tgt Ion: 49 Resp: 304

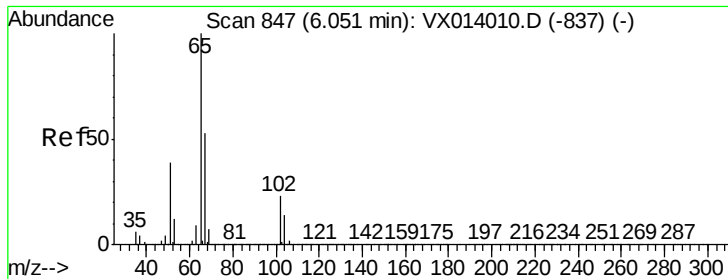
Ion Ratio Lower Upper

49 100

129 65.1 0.0 5.0#

130 252.6 64.6 97.0#





#33

1,2-Dichloroethane-d4

Concen: 49.062 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX014052.D

Acq: 17 Dec 2019 15:17

Instrument :

MSVOA_X

ClientSampleId :

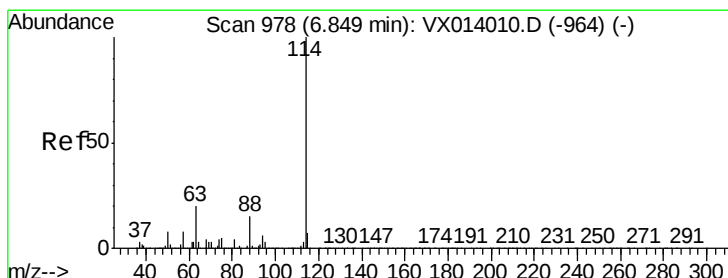
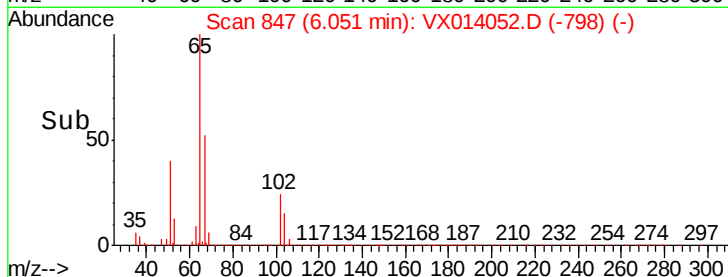
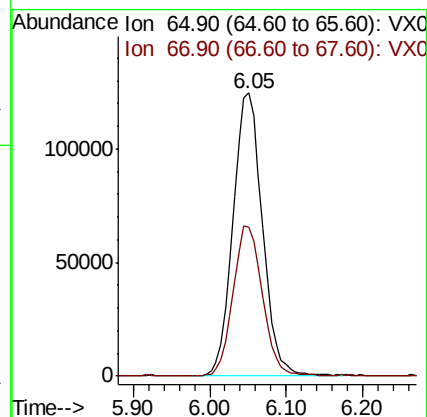
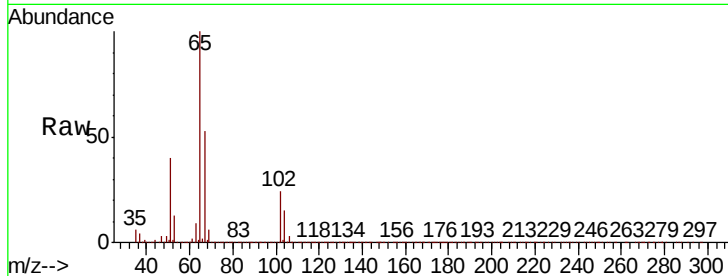
VX1217WBL01

Tot Ion: 65 Resp: 329941

Ion Ratio Lower Upper

65 100

67 52.8 0.0 106.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.84 min Scan# 977

Delta R.T. -0.01 min

Lab File: VX014052.D

Acq: 17 Dec 2019 15:17

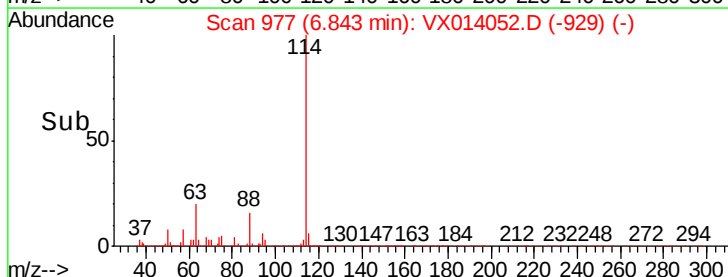
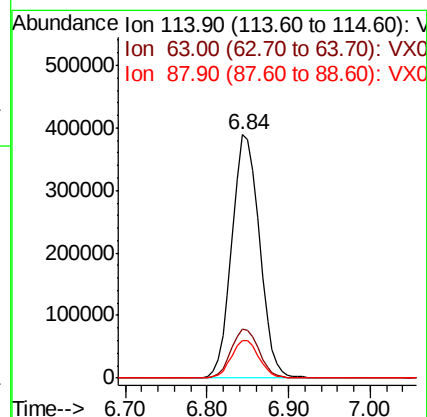
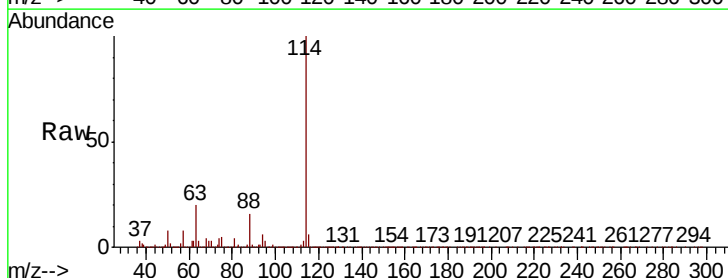
Tgt Ion: 114 Resp: 912426

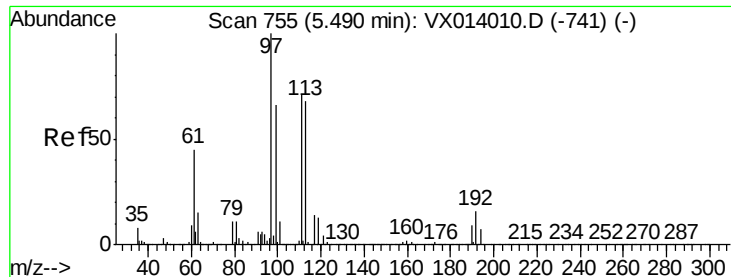
Ion Ratio Lower Upper

114 100

63 20.2 0.0 40.8

88 15.6 0.0 30.4





#35

Dibromofluoromethane

Concen: 48.980 ug/l

RT: 5.48 min Scan# 754

Delta R.T. -0.01 min

Lab File: VX014052.D

Acq: 17 Dec 2019 15:17

Instrument :
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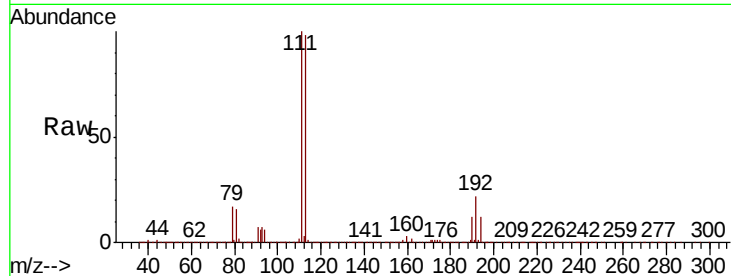
Tot Ion:113 Resp: 271670

Ion Ratio Lower Upper

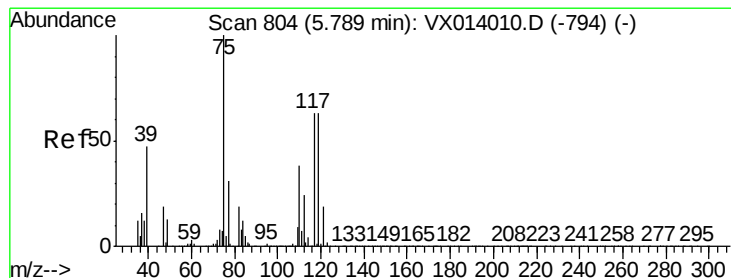
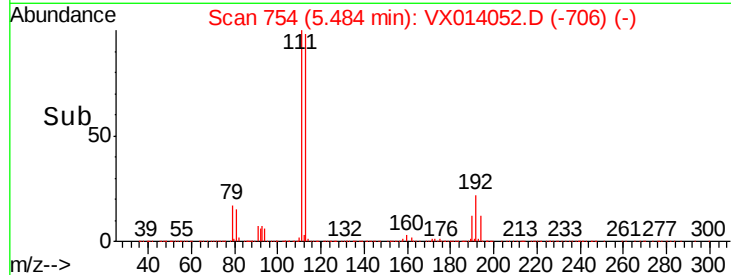
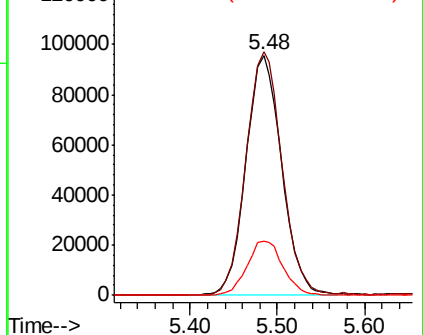
113 100

111 102.5 82.0 123.0

192 22.9 19.3 28.9



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: 4.887 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.14 min

Lab File: VX014052.D

Acq: 17 Dec 2019 15:17

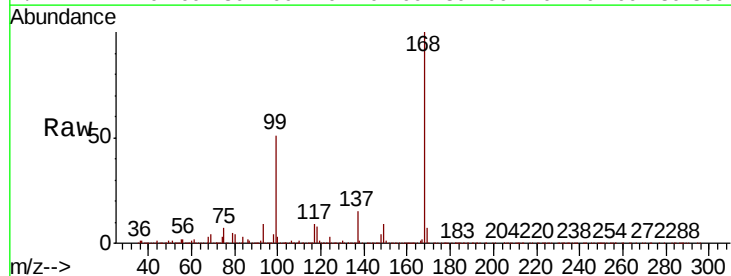
Tgt Ion: 75 Resp: 40918

Ion Ratio Lower Upper

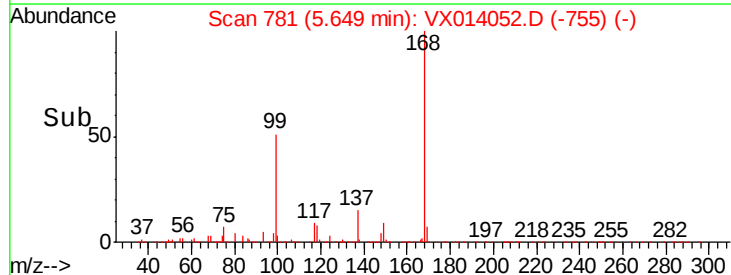
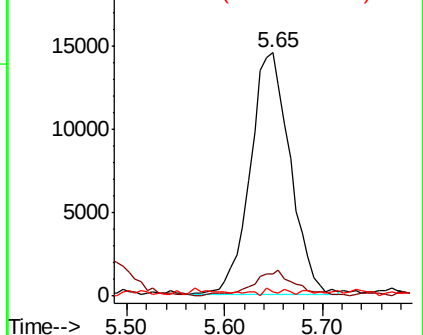
75 100

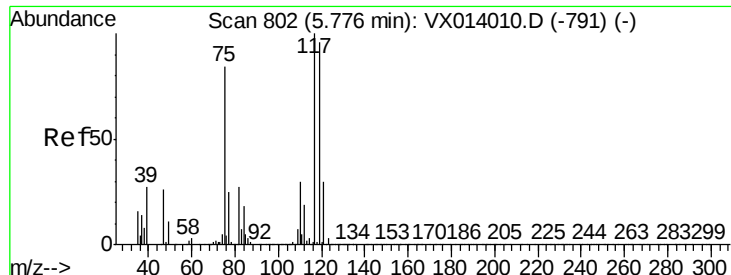
110 11.4 18.3 54.9#

77 0.4 24.8 37.2#



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: 6.918 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.13 min

Lab File: VX014052.D

Acq: 17 Dec 2019 15:17

Instrument :

MSVOA_X

ClientSampleId :

VX1217WBL01

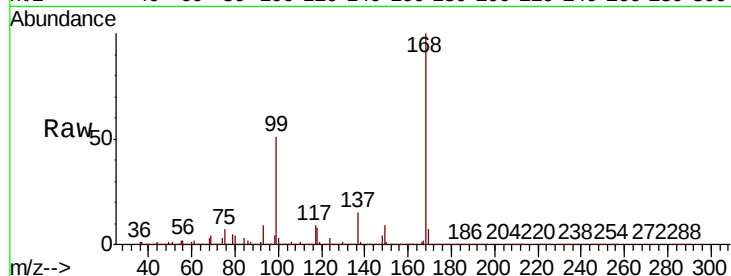
Tot Ion:117 Resp: 52761

Ion Ratio Lower Upper

117 100

119 5.3 76.2 114.4#

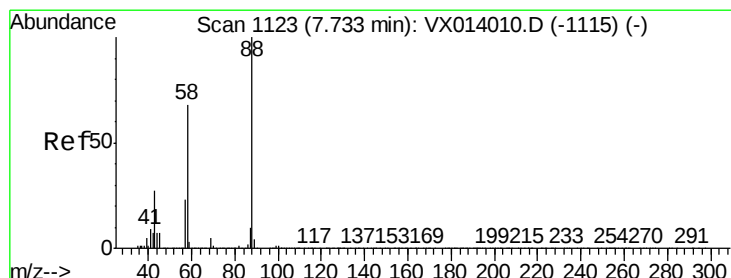
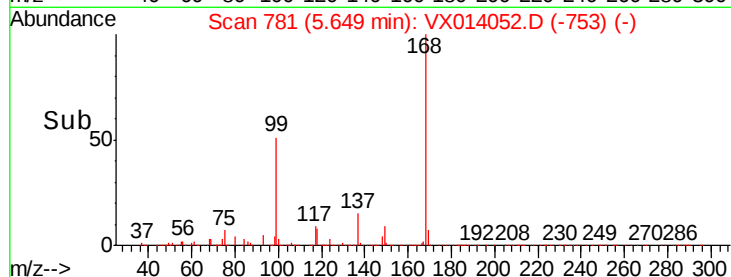
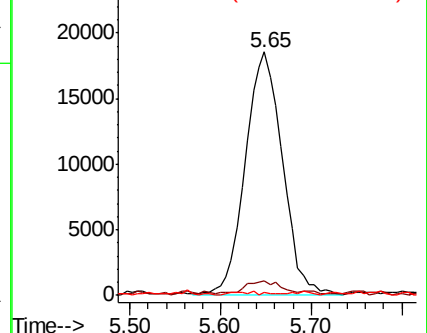
121 0.9 23.6 35.4#



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



#49

1,4-Dioxane

Concen: 1.948 ug/l

RT: 7.72 min Scan# 1121

Delta R.T. -0.01 min

Lab File: VX014052.D

Acq: 17 Dec 2019 15:17

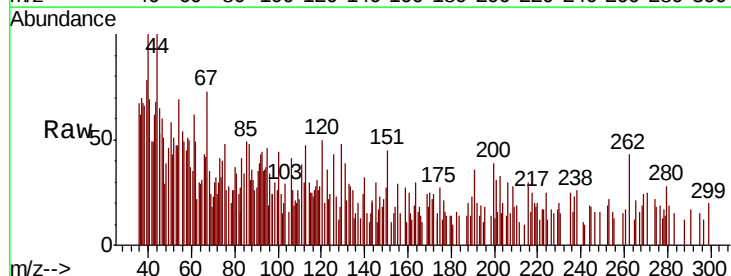
Tgt Ion: 88 Resp: 297

Ion Ratio Lower Upper

88 100

43 227.3 26.5 39.7#

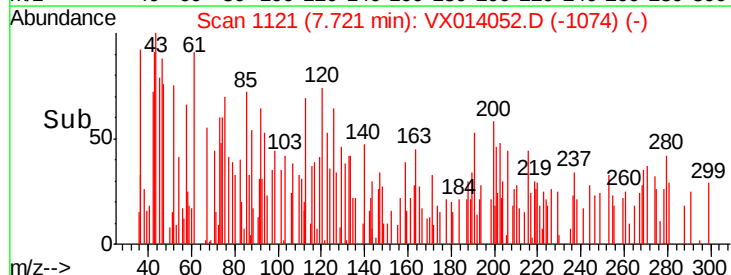
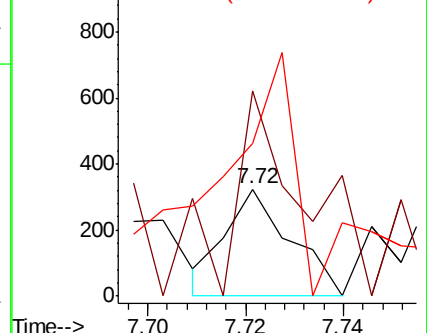
58 135.7 56.8 85.2#

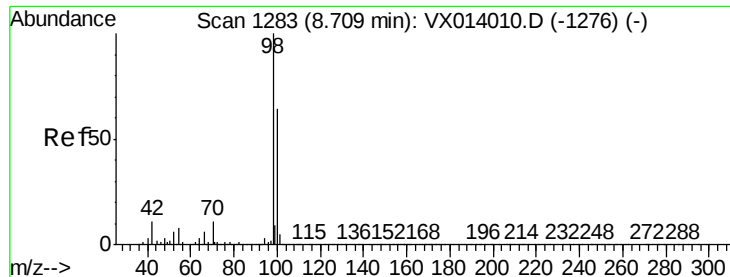


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 50.185 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX014052.D

Acq: 17 Dec 2019 15:17

Instrument :

MSVOA_X

ClientSampleId :

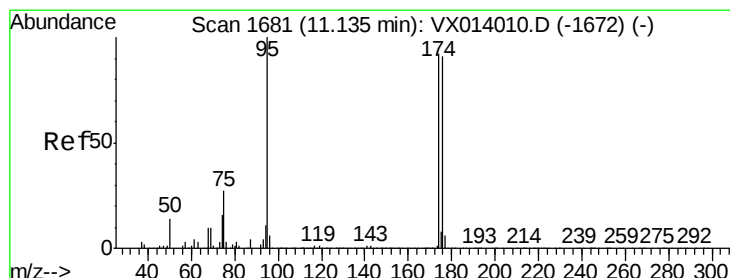
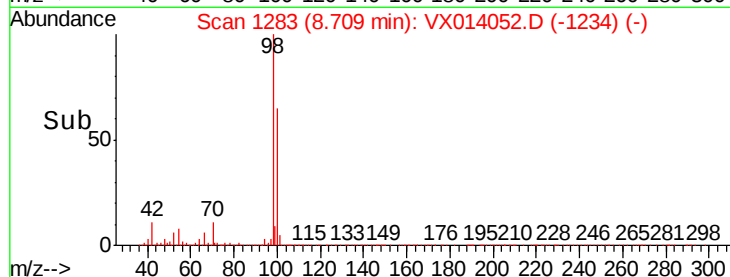
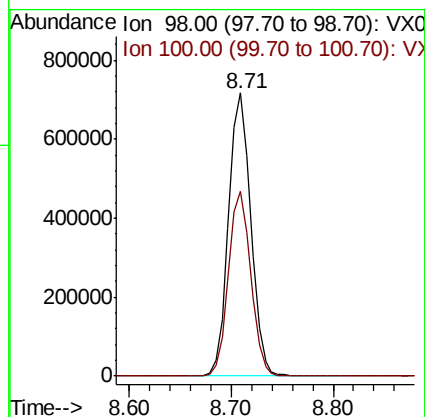
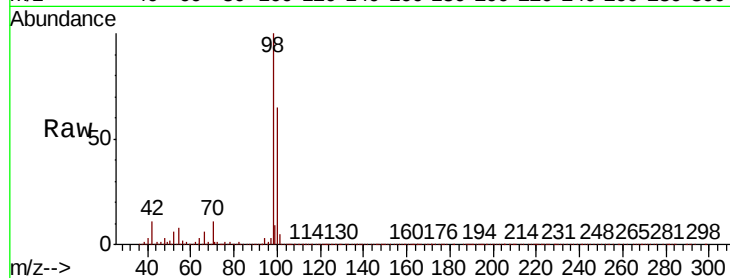
VX1217WBL01

Tot Ion: 98 Resp: 1083687

Ion Ratio Lower Upper

98 100

100 65.1 52.9 79.3



#62

4-Bromofluorobenzene

Concen: 46.043 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.01 min

Lab File: VX014052.D

Acq: 17 Dec 2019 15:17

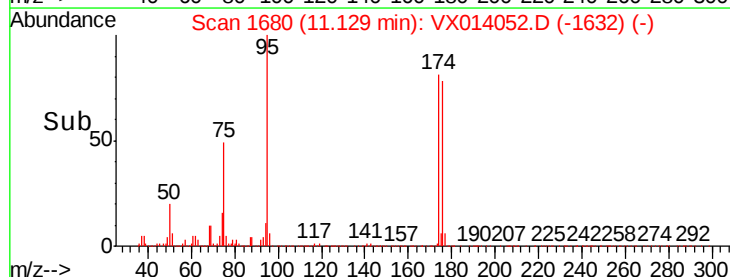
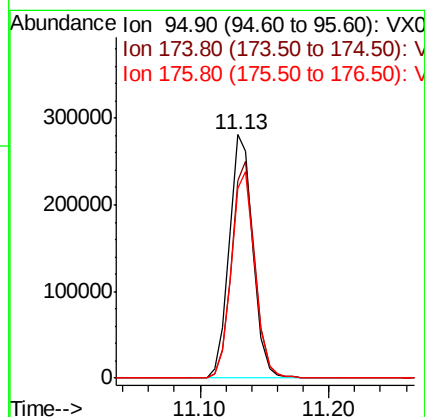
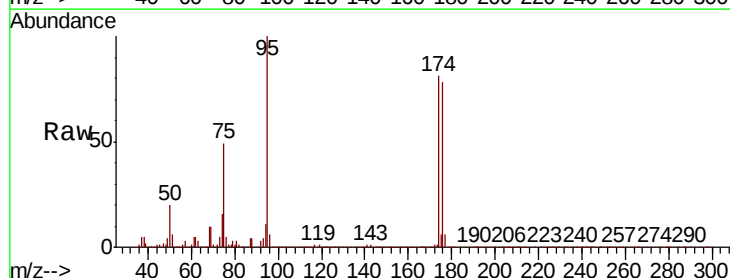
Tgt Ion: 95 Resp: 363447

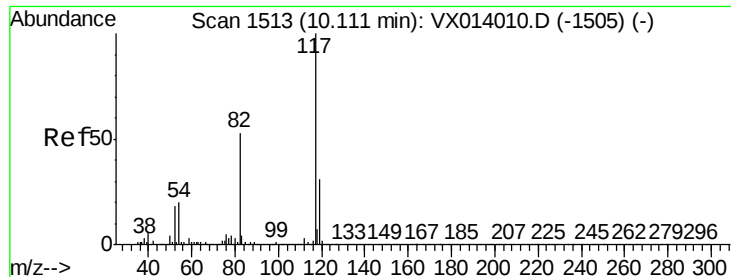
Ion Ratio Lower Upper

95 100

174 88.1 0.0 175.8

176 84.5 0.0 173.0

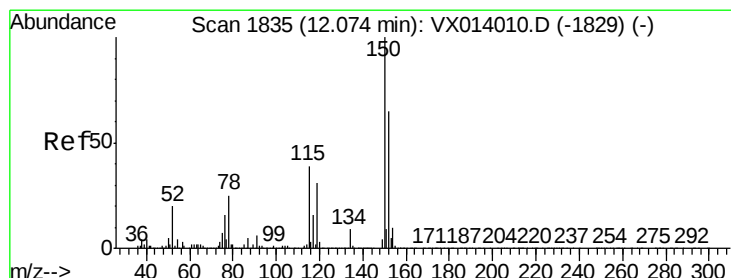
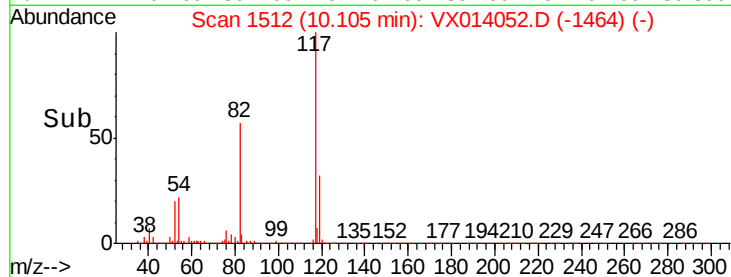
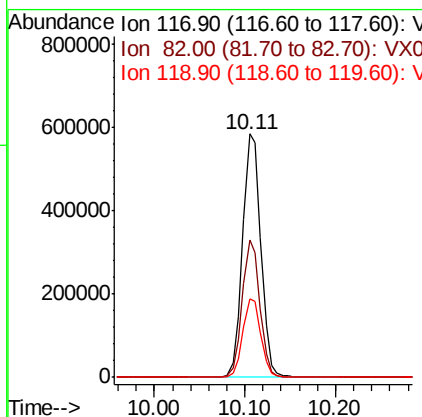
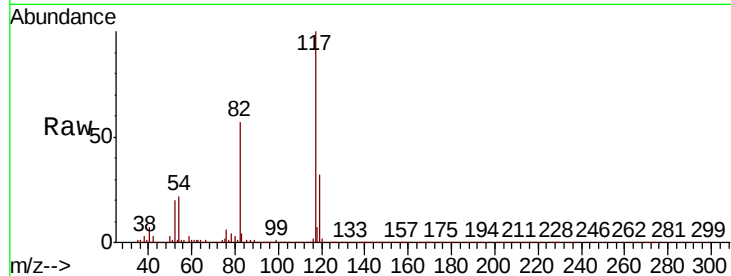




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1512
Delta R.T. -0.01 min
Lab File: VX014052.D
Acq: 17 Dec 2019 15:17

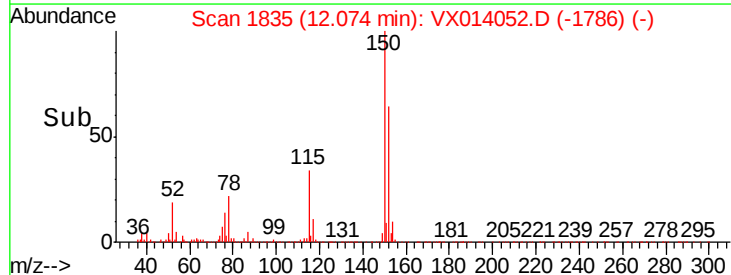
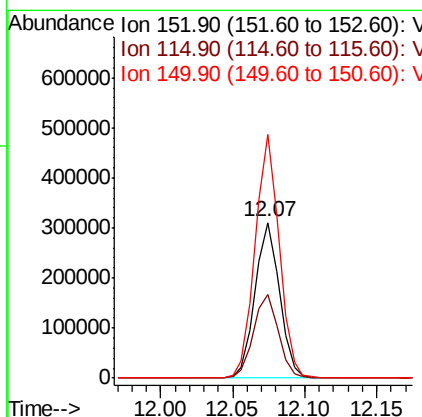
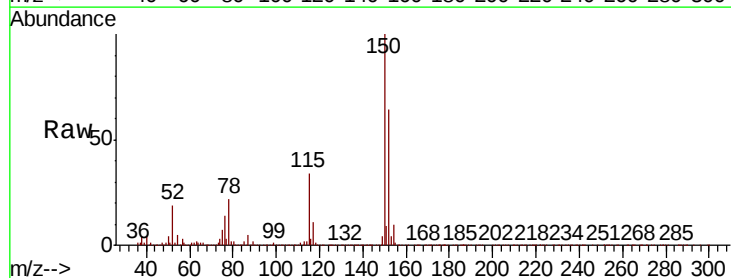
Instrument :
MSVOA_X
ClientSampleId :
VX1217WBL01

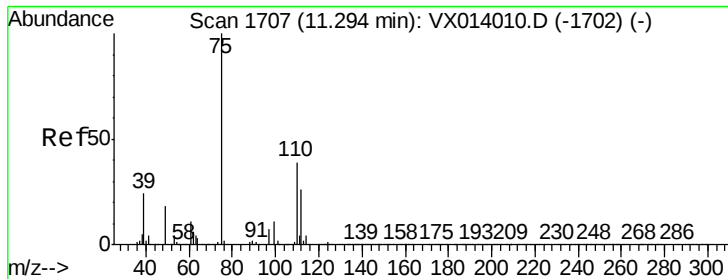
Tot Ion:117 Resp: 813423
Ion Ratio Lower Upper
117 100
82 56.6 42.2 63.4
119 32.1 25.1 37.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX014052.D
Acq: 17 Dec 2019 15:17

Tgt Ion:152 Resp: 362810
Ion Ratio Lower Upper
152 100
115 54.7 38.3 114.9
150 154.3 0.0 345.4





#76

1,2,3-Trichloropropane

Concen: 22.131 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX014052.D

Acq: 17 Dec 2019 15:17

Instrument :

MSVOA_X

ClientSampleId :

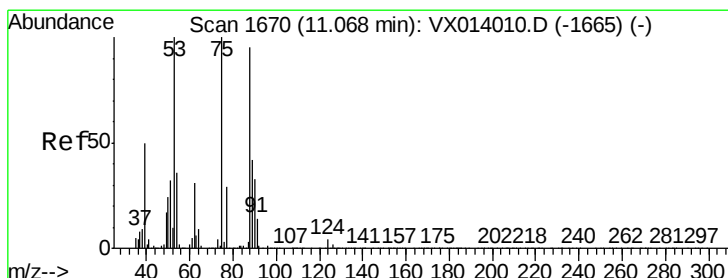
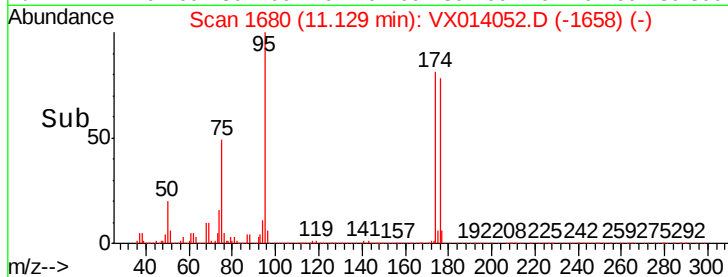
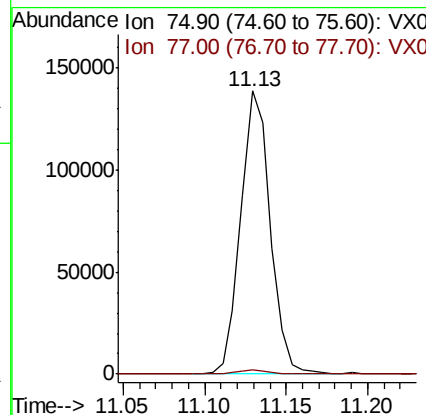
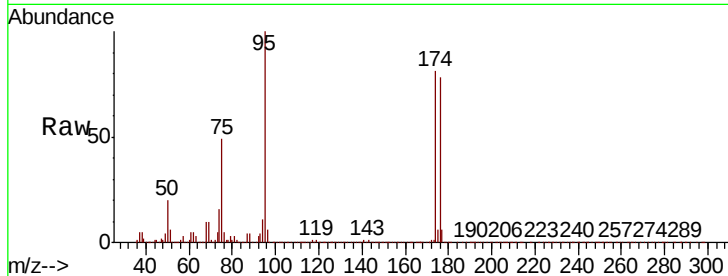
VX1217WBL01

Tot Ion: 75 Resp: 174315

Ion Ratio Lower Upper

75 100

77 1.6 19.3 57.8#



#81

trans-1,4-Dichloro-2-butene

Concen: 62.465 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX014052.D

Acq: 17 Dec 2019 15:17

Tgt Ion: 75 Resp: 174315

Ion Ratio Lower Upper

75 100

53 0.2 76.7 115.1#

89 0.2 34.6 51.8#

