

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061019\
 Data File : VX010182.D
 Acq On : 10 Jun 2019 16:56
 Operator : JC/SP
 Sample : K3257-04DL 5X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE131D2-20190606DL

Quant Time: Jun 11 02:38:52 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X060719W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 08 02:12:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	259967	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	393823	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	354484	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	169825	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	115876	45.66	ug/l	0.00
Spiked Amount			Recovery	=	91.32%	
35) Dibromofluoromethane	5.49	113	120624	49.66	ug/l	0.00
Spiked Amount			Recovery	=	99.32%	
50) Toluene-d8	8.71	98	462836	50.84	ug/l	0.00
Spiked Amount			Recovery	=	101.68%	
62) 4-Bromofluorobenzene	11.13	95	159195	46.82	ug/l	0.00
Spiked Amount			Recovery	=	93.64%	

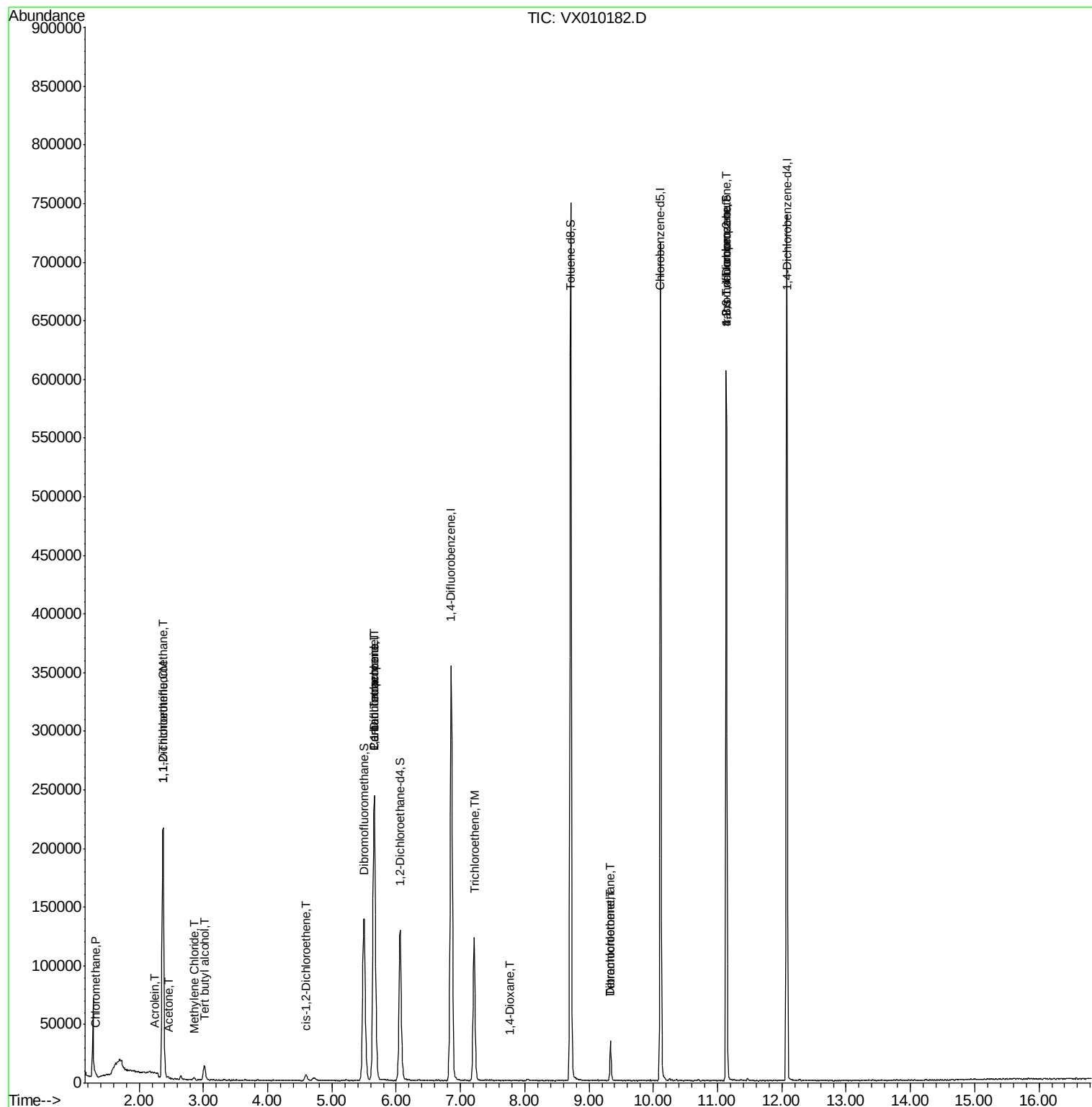
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	659	0.277	ug/l #	85
9) 1,1,2-Trichlorotrifluoroet	2.37	101	87274	38.175	ug/l	91
11) Tert butyl alcohol	3.02	59	7127	11.465	ug/l #	80
12) 1,1-Dichloroethene	2.37	96	1105	0.473	ug/l #	64
13) Acrolein	2.24	56	77	0.679	ug/l #	82
16) Acetone	2.46	43	1062	0.890	ug/l #	85
20) Methylene Chloride	2.85	84	871	0.332	ug/l #	78
27) cis-1,2-Dichloroethene	4.59	96	2907	1.011	ug/l	80
36) 1,1-Dichloropropene	5.66	75	14989	4.665	ug/l #	52
38) Carbon Tetrachloride	5.65	117	21686	5.963	ug/l #	15
44) Trichloroethene	7.21	130	51570	17.220	ug/l	84
49) 1,4-Dioxane	7.77	88	362	4.857	ug/l	86
60) Dibromochloromethane	9.34	129	6177	1.952	ug/l #	11
64) Tetrachloroethene	9.34	164	6797	2.582	ug/l	96
76) 1,2,3-Trichloropropane	11.13	75	71895	21.165	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	71895	46.763	ug/l #	10

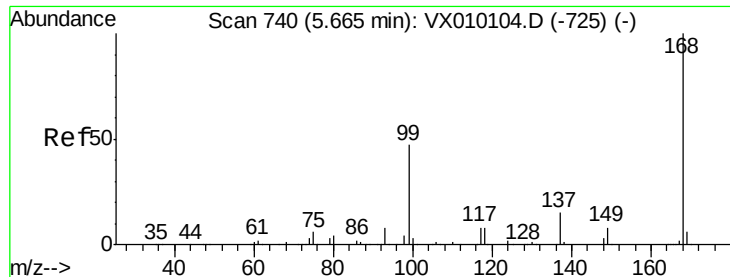
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX061019\
Data File : VX010182.D
Acq On : 10 Jun 2019 16:56
Operator : JC/SP
Sample : K3257-04DL 5X
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RE131D2-20190606DL

Quant Time: Jun 11 02:38:52 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X060719W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 08 02:12:13 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX010182.D

Acq: 10 Jun 2019 16:56

Instrument :

MSVOA_X

ClientSampleId :

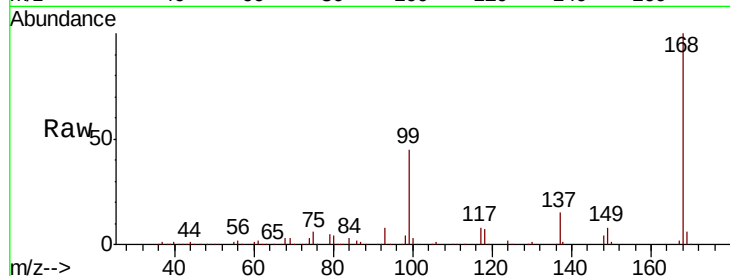
RE131D2-20190606DL

Tot Ion:168 Resp: 259967

Ion Ratio Lower Upper

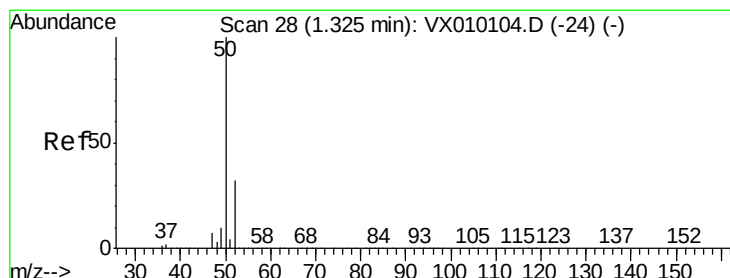
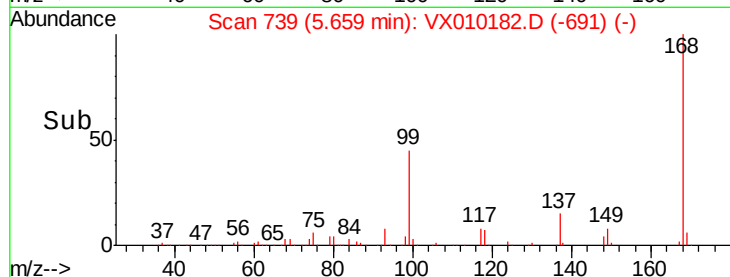
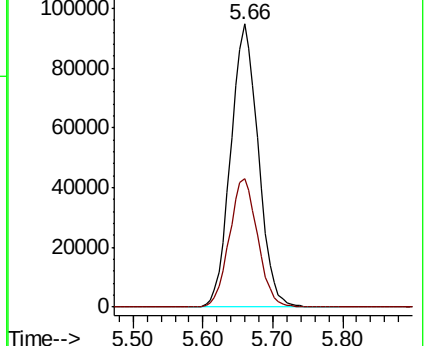
168 100

99 45.2 43.0 64.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.277 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX010182.D

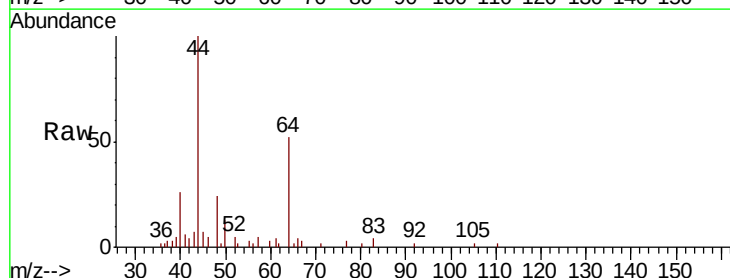
Acq: 10 Jun 2019 16:56

Tgt Ion: 50 Resp: 659

Ion Ratio Lower Upper

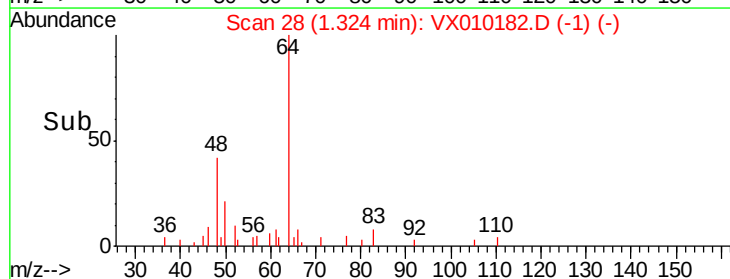
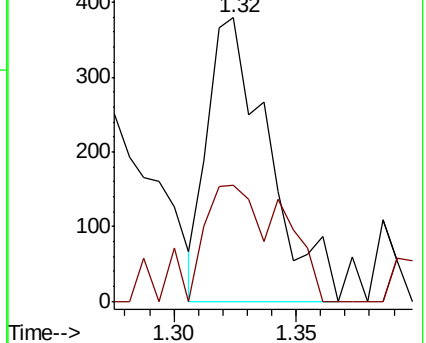
50 100

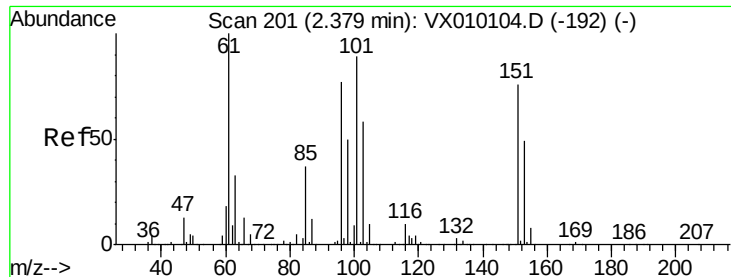
52 40.9 26.0 39.0#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 38.175 ug/l

RT: 2.37 min Scan# 200

Delta R.T. -0.01 min

Lab File: VX010182.D

Acq: 10 Jun 2019 16:56

Instrument :

MSVOA_X

ClientSampleId :

RE131D2-20190606DL

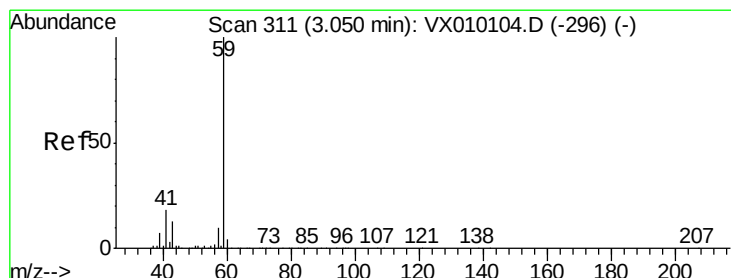
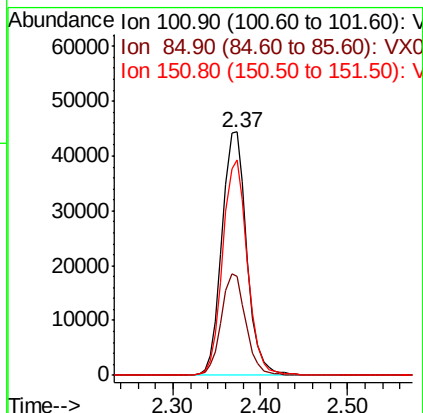
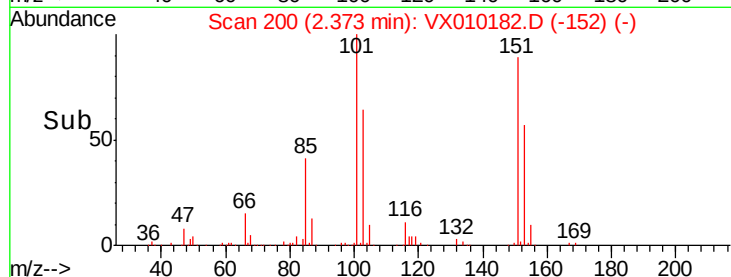
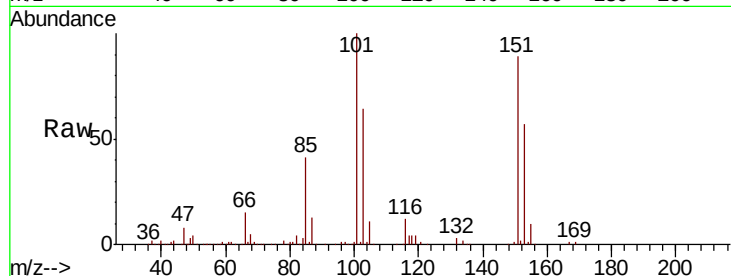
Tot Ion:101 Resp: 87274

Ion Ratio Lower Upper

101 100

85 41.4 35.2 52.8

151 88.2 61.9 92.9



#11

Tert butyl alcohol

Concen: 11.465 ug/l

RT: 3.02 min Scan# 306

Delta R.T. -0.03 min

Lab File: VX010182.D

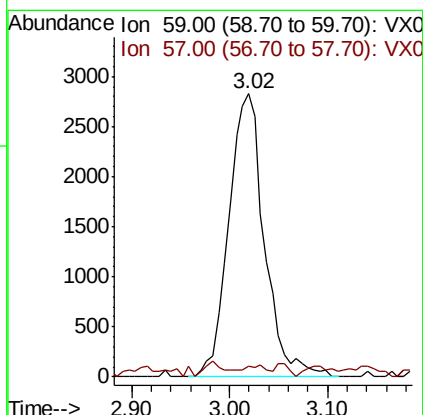
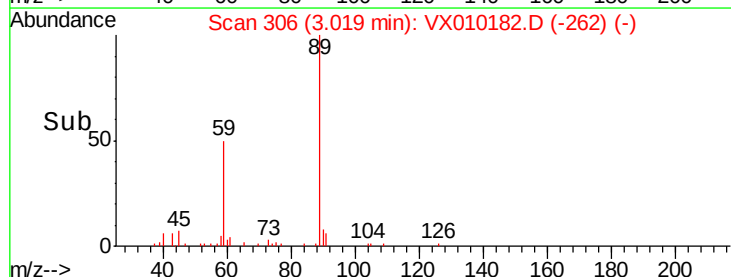
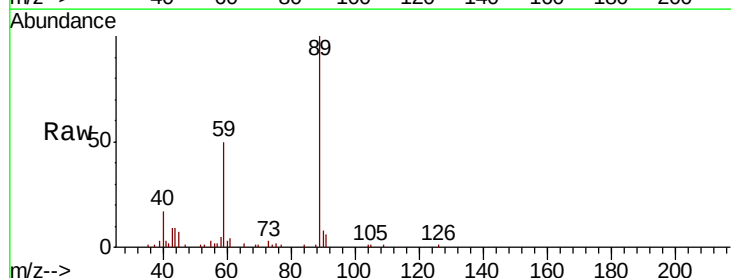
Acq: 10 Jun 2019 16:56

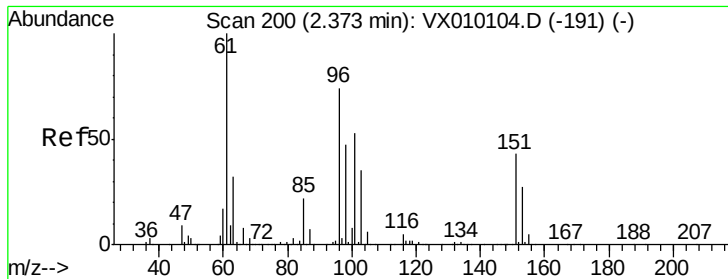
Tgt Ion: 59 Resp: 7127

Ion Ratio Lower Upper

59 100

57 2.6 8.2 12.2#





#12

1,1-Dichloroethene

Concen: 0.473 ug/l

RT: 2.37 min Scan# 199

Delta R.T. -0.01 min

Lab File: VX010182.D

Acq: 10 Jun 2019 16:56

Instrument :

MSVOA_X

ClientSampleId :

RE131D2-20190606DL

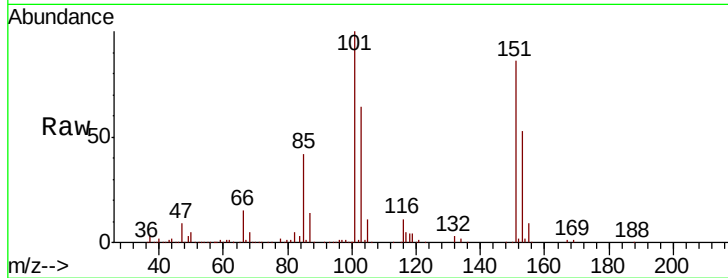
Tot Ion: 96 Resp: 1105

Ion Ratio Lower Upper

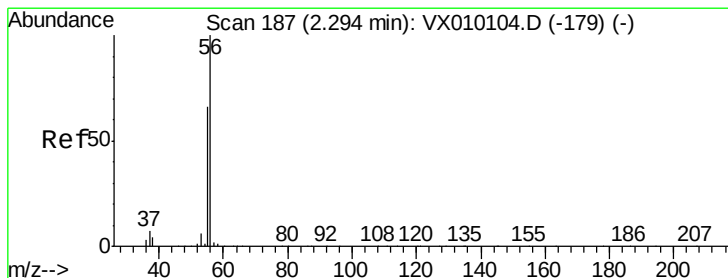
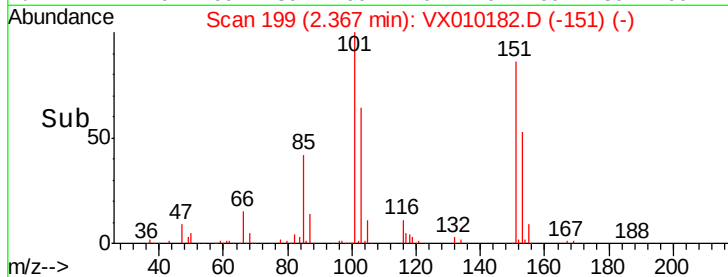
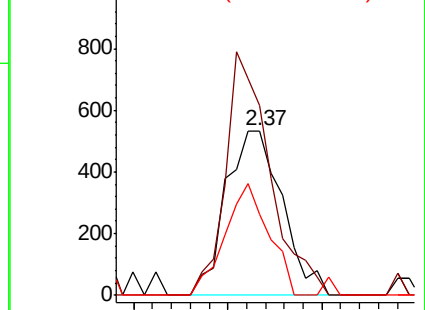
96 100

61 115.5 140.7 211.1#

98 49.3 50.1 75.1#



Abundance Ion 95.90 (95.60 to 96.60): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 97.90 (97.60 to 98.60): VX0



#13

Acrolein

Concen: 0.679 ug/l

RT: 2.24 min Scan# 179

Delta R.T. -0.05 min

Lab File: VX010182.D

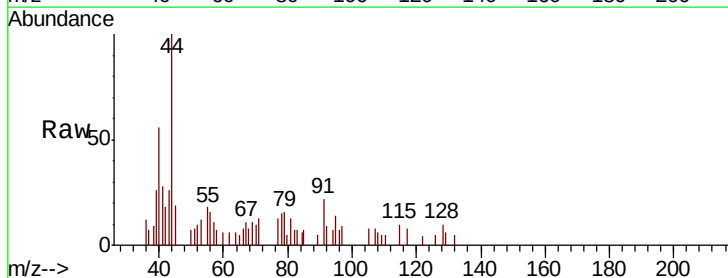
Acq: 10 Jun 2019 16:56

Tgt Ion: 56 Resp: 77

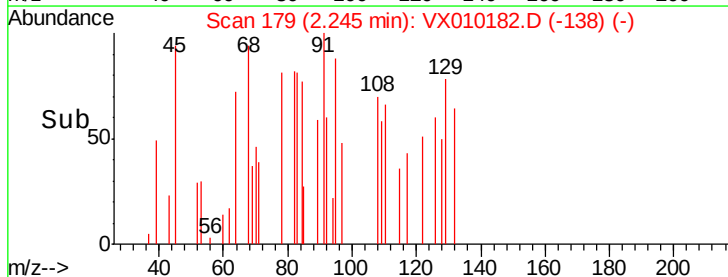
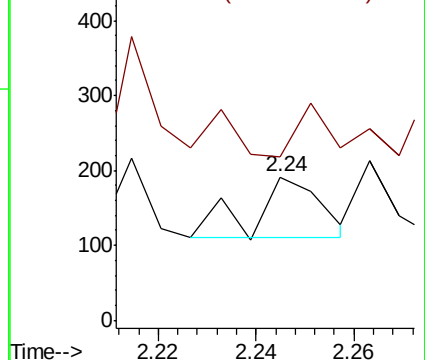
Ion Ratio Lower Upper

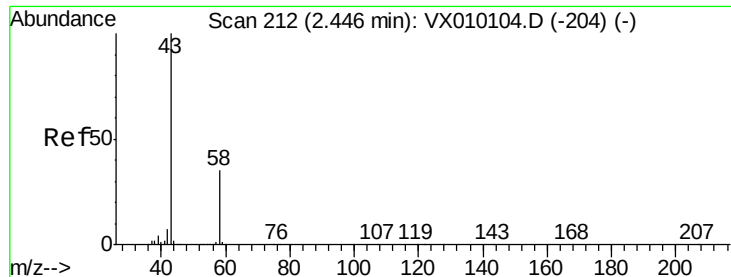
56 100

55 85.7 57.0 85.4#



Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 55.00 (54.70 to 55.70): VX0





#16

Acetone

Concen: 0.890 ug/l

RT: 2.46 min Scan# 214

Delta R.T. 0.01 min

Lab File: VX010182.D

Acq: 10 Jun 2019 16:56

Instrument :

MSVOA_X

ClientSampleId :

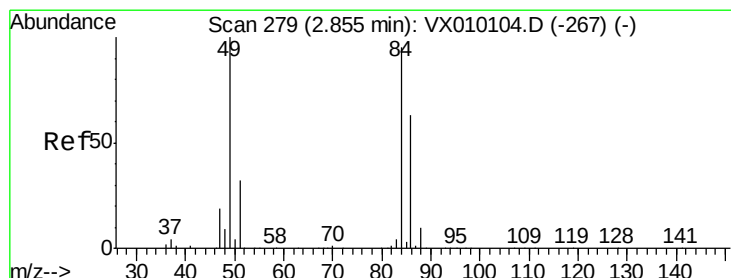
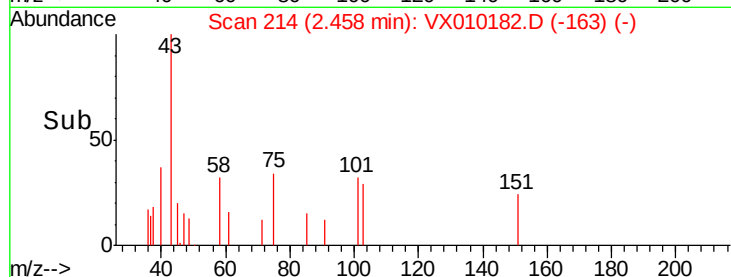
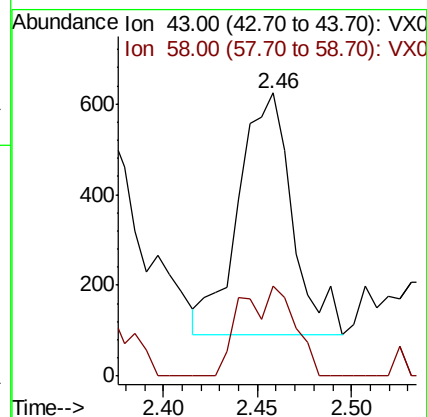
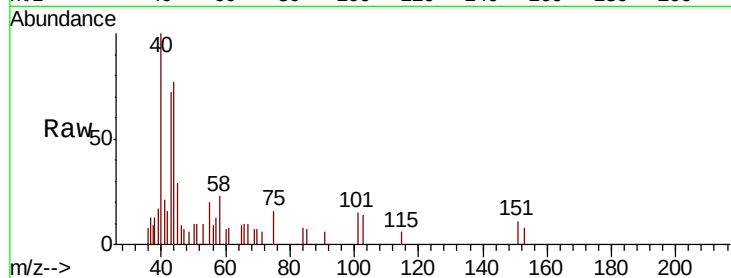
RE131D2-20190606DL

Tot Ion: 43 Resp: 1062

Ion Ratio Lower Upper

43 100

58 37.3 23.2 34.8#



#20

Methylene Chloride

Concen: 0.332 ug/l

RT: 2.85 min Scan# 278

Delta R.T. -0.01 min

Lab File: VX010182.D

Acq: 10 Jun 2019 16:56

Tgt Ion: 84 Resp: 871

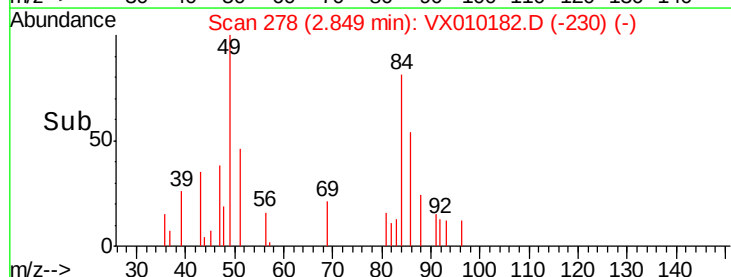
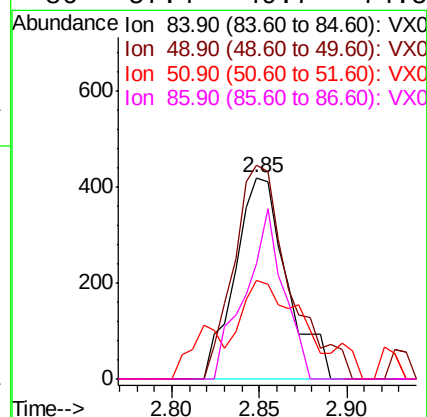
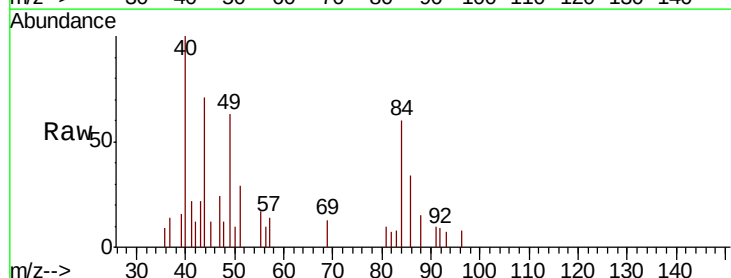
Ion Ratio Lower Upper

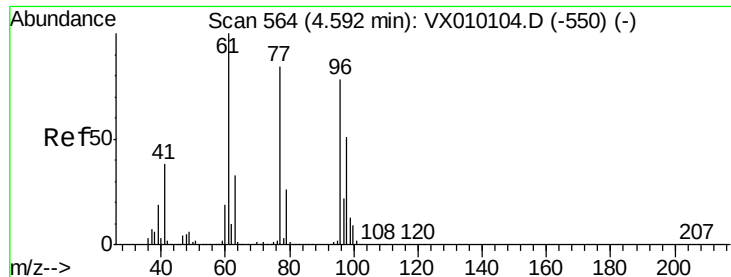
84 100

49 106.0 115.8 173.6#

51 34.5 34.4 51.6

86 57.4 49.7 74.5





#27

cis-1,2-Dichloroethene

Concen: 1.011 ug/l

RT: 4.59 min Scan# 564

Delta R.T. -0.00 min

Lab File: VX010182.D

Acq: 10 Jun 2019 16:56

Instrument :

MSVOA_X

ClientSampleId :

RE131D2-20190606DL

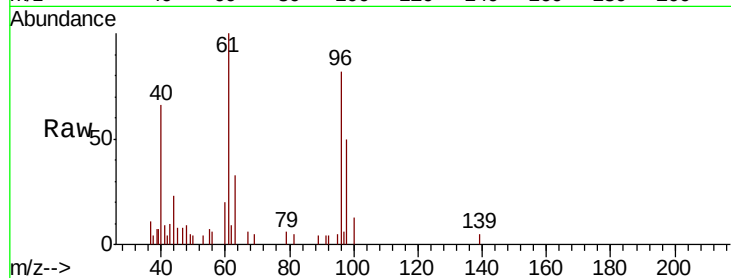
Tot Ion: 96 Resp: 2907

Ion Ratio Lower Upper

96 100

61 133.2 0.0 334.0

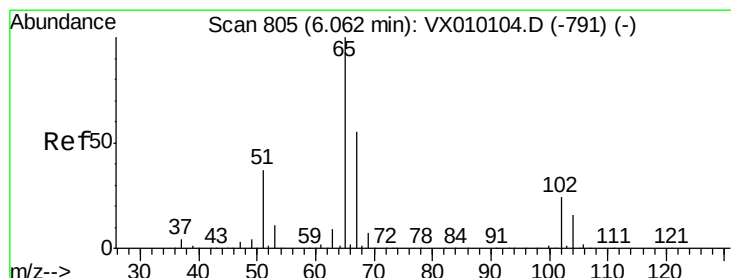
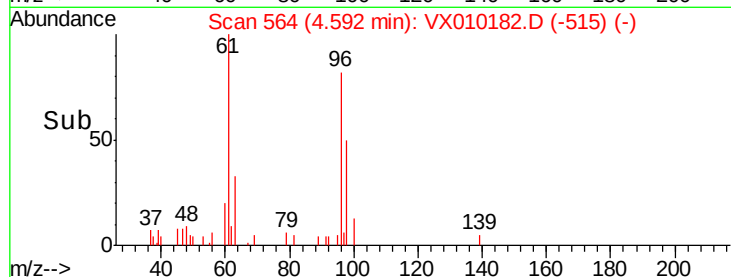
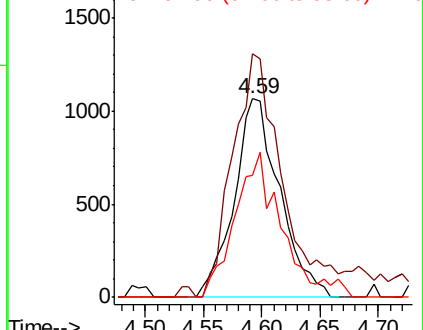
98 71.3 0.0 131.6



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#33

1,2-Dichloroethane-d4

Concen: 45.664 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX010182.D

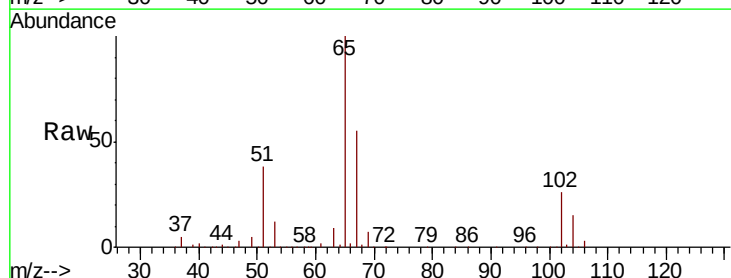
Acq: 10 Jun 2019 16:56

Tgt Ion: 65 Resp: 115876

Ion Ratio Lower Upper

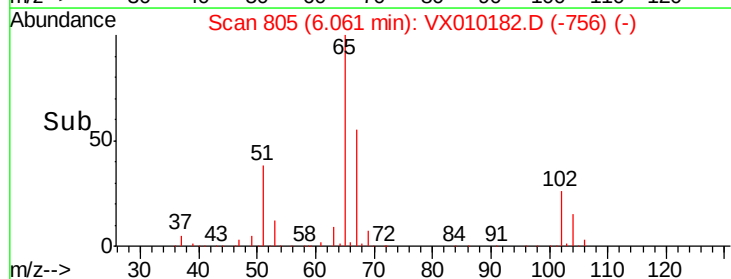
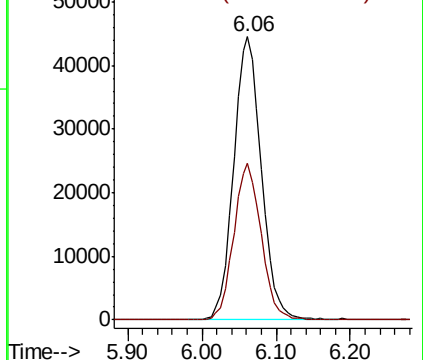
65 100

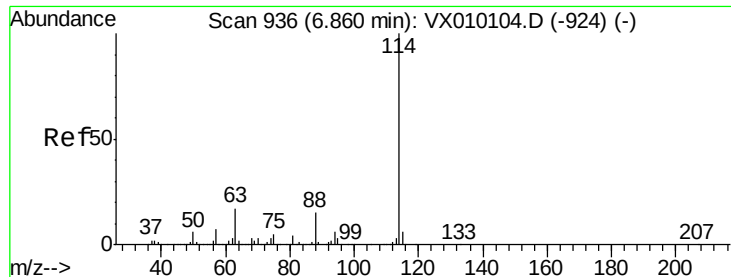
67 54.3 0.0 108.4



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# 935

Delta R.T. -0.01 min

Lab File: VX010182.D

Acq: 10 Jun 2019 16:56

Instrument :

MSVOA_X

ClientSampleId :

RE131D2-20190606DL

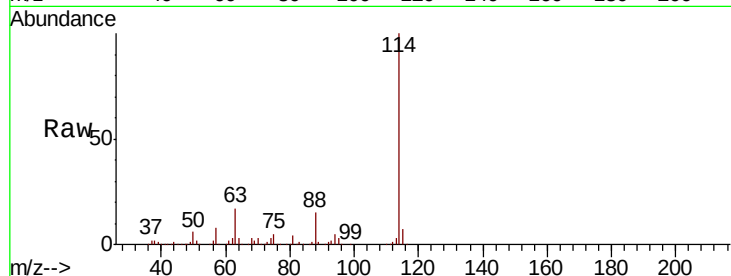
Tot Ion:114 Resp: 393823

Ion Ratio Lower Upper

114 100

63 17.3 0.0 47.4

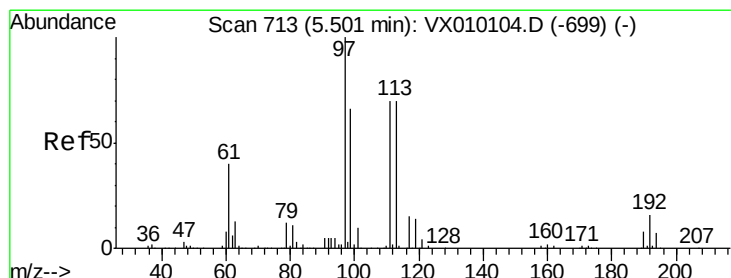
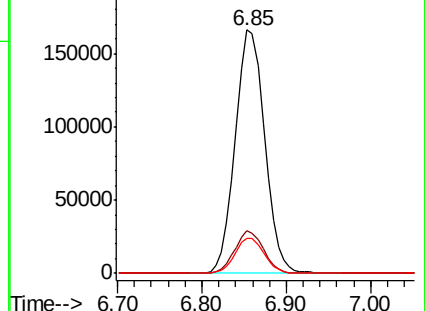
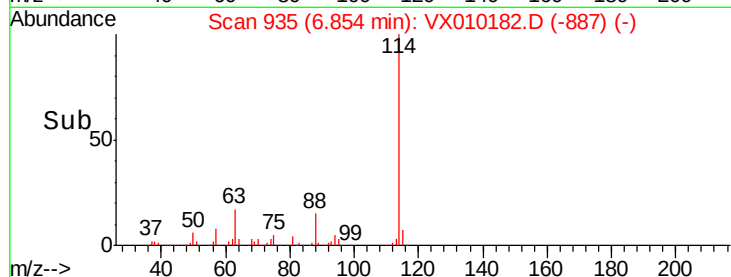
88 14.6 0.0 33.0



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: 49.656 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.01 min

Lab File: VX010182.D

Acq: 10 Jun 2019 16:56

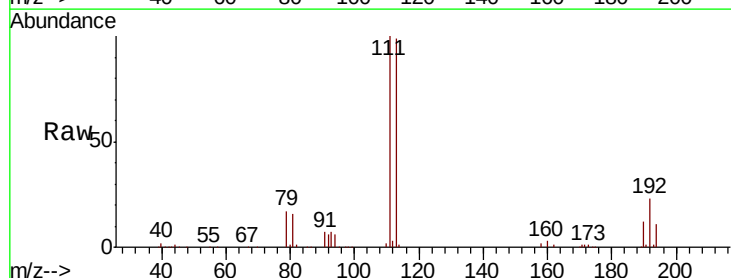
Tgt Ion:113 Resp: 120624

Ion Ratio Lower Upper

113 100

111 101.9 82.2 123.2

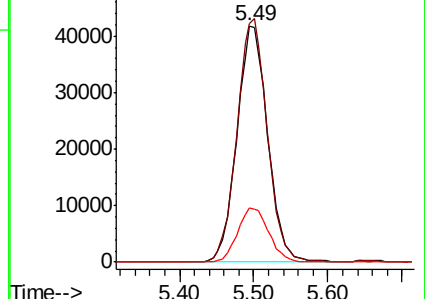
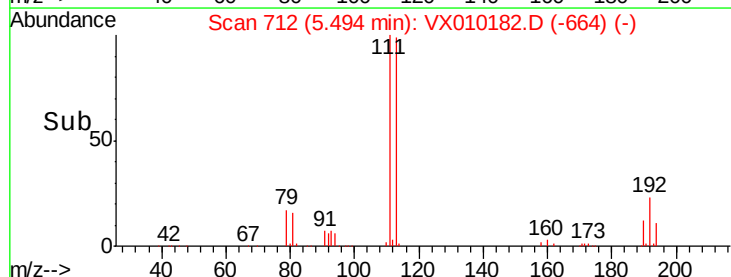
192 23.3 17.1 25.7

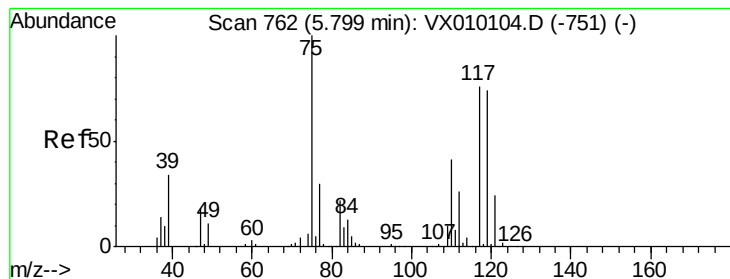


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.665 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX010182.D

Acq: 10 Jun 2019 16:56

Instrument :

MSVOA_X

ClientSampleId :

RE131D2-20190606DL

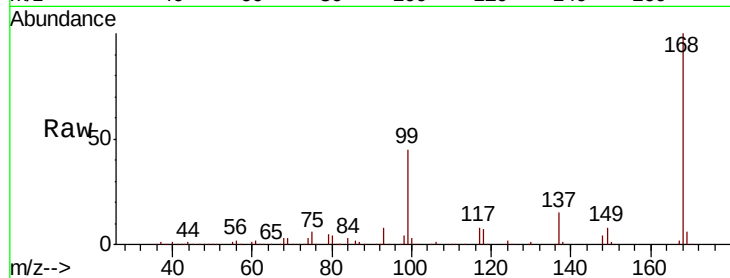
Tot Ion: 75 Resp: 14989

Ion Ratio Lower Upper

75 100

110 10.2 16.7 50.1#

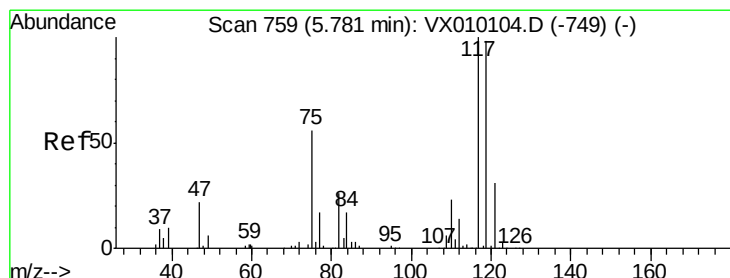
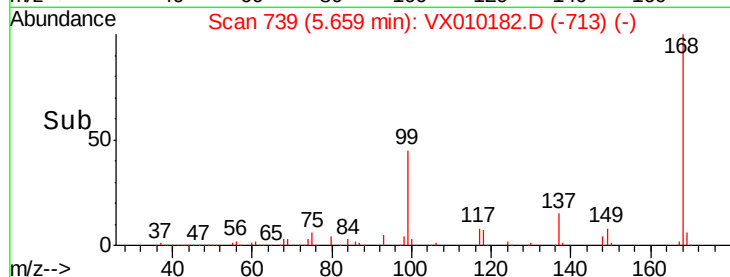
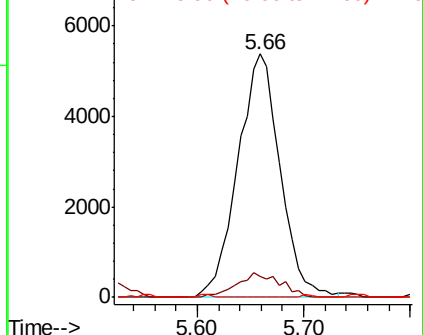
77 0.0 25.0 37.4#



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: 5.963 ug/l

RT: 5.65 min Scan# 738

Delta R.T. -0.13 min

Lab File: VX010182.D

Acq: 10 Jun 2019 16:56

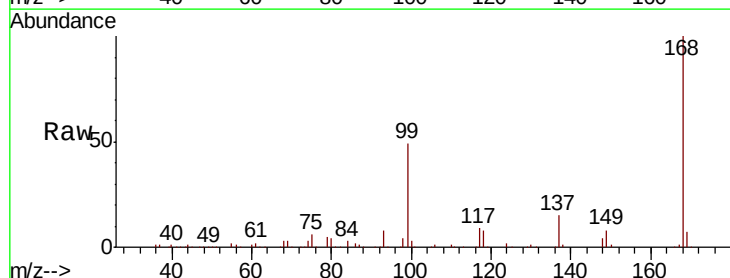
Tgt Ion: 117 Resp: 21686

Ion Ratio Lower Upper

117 100

119 4.9 77.3 115.9#

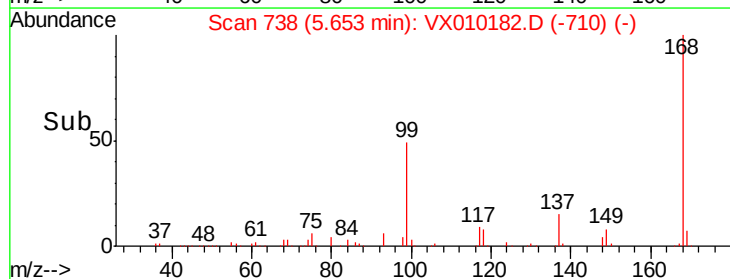
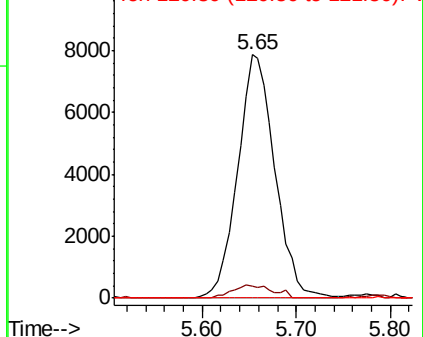
121 0.0 25.4 38.0#

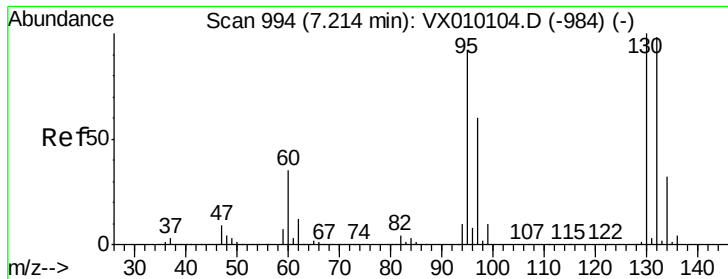


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#44

Trichloroethene

Concen: 17.220 ug/l

RT: 7.21 min Scan# 993

Delta R.T. -0.01 min

Lab File: VX010182.D

Acq: 10 Jun 2019 16:56

Instrument :

MSVOA_X

ClientSampleId :

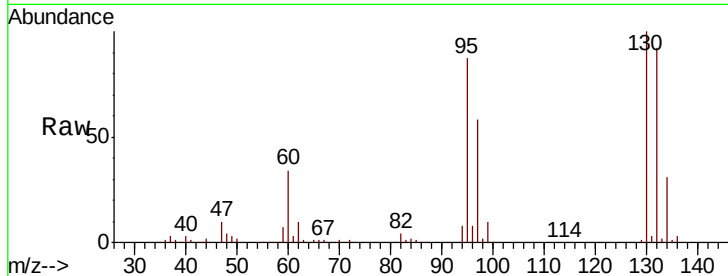
RE131D2-20190606DL

Tot Ion:130 Resp: 51570

Ion Ratio Lower Upper

130 100

95 87.5 0.0 207.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

7.21

25000

20000

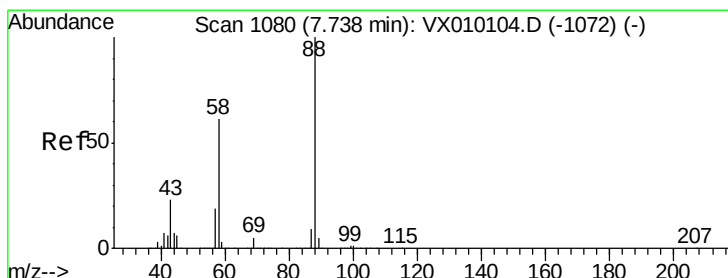
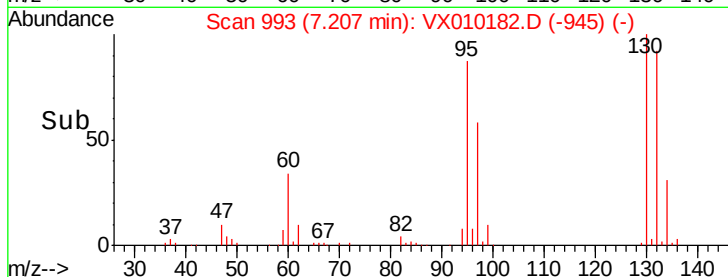
15000

10000

5000

0

Time--> 7.10 7.15 7.20 7.25 7.30



#49

1,4-Dioxane

Concen: 4.857 ug/l

RT: 7.77 min Scan# 1085

Delta R.T. 0.03 min

Lab File: VX010182.D

Acq: 10 Jun 2019 16:56

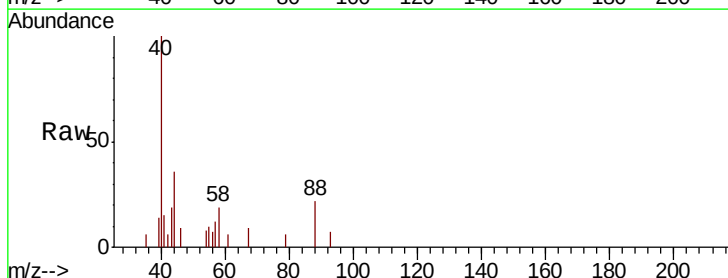
Tgt Ion: 88 Resp: 362

Ion Ratio Lower Upper

88 100

43 43.9 30.2 45.4

58 94.5 64.0 96.0



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

250

200

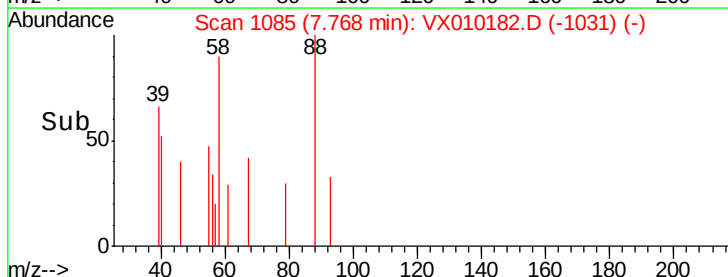
150

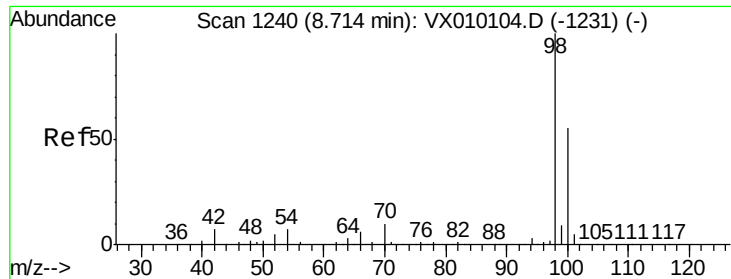
100

50

0

Time--> 7.70 7.75 7.80

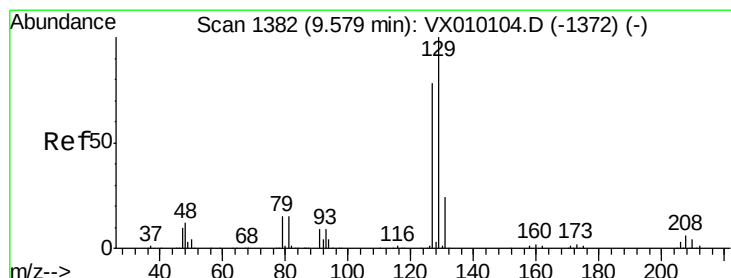
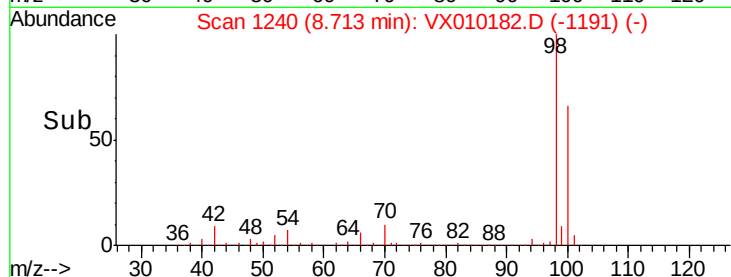
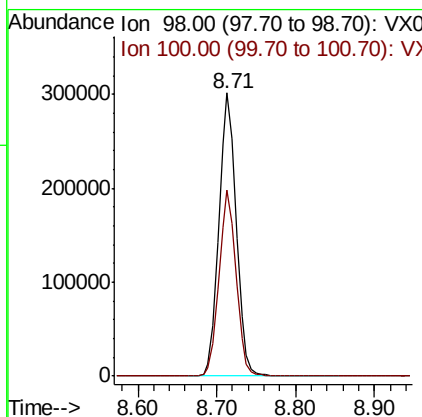
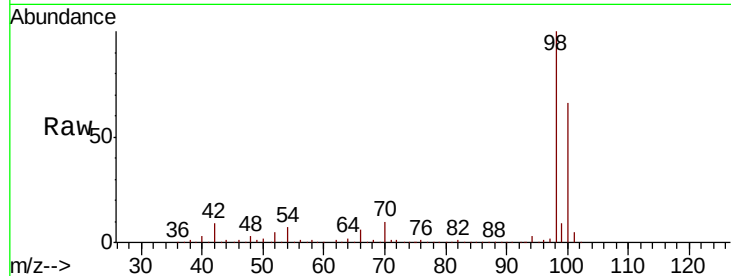




#50
Toluene-d8
Concen: 50.837 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX010182.D
Acq: 10 Jun 2019 16:56

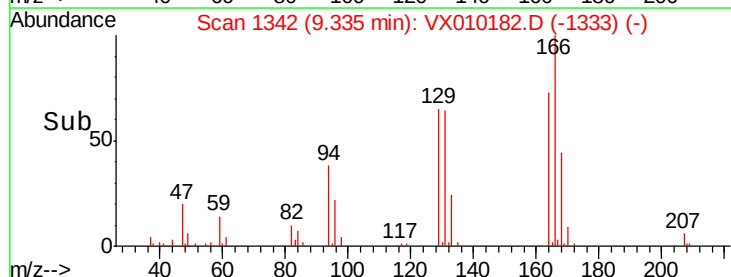
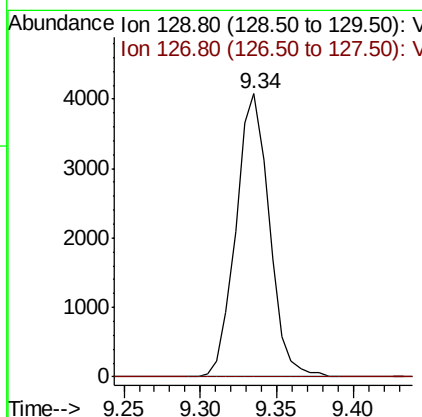
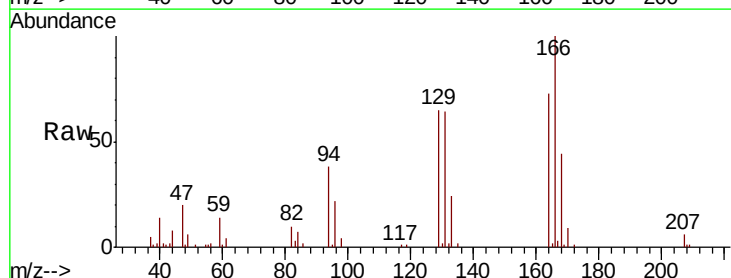
Instrument :
MSVOA_X
ClientSampleId :
RE131D2-20190606DL

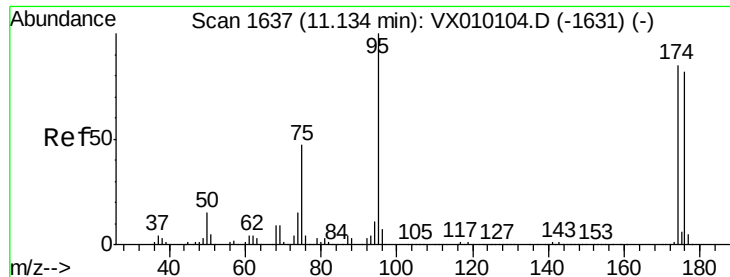
Tot Ion: 98 Resp: 462836
Ion Ratio Lower Upper
98 100
100 64.6 51.5 77.3



#60
Dibromochloromethane
Concen: 1.952 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.24 min
Lab File: VX010182.D
Acq: 10 Jun 2019 16:56

Tgt Ion:129 Resp: 6177
Ion Ratio Lower Upper
129 100
127 0.0 38.5 115.5#





#62

4-Bromofluorobenzene

Concen: 46.821 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX010182.D

Acq: 10 Jun 2019 16:56

Instrument :

MSVOA_X

ClientSampleId :

RE131D2-20190606DL

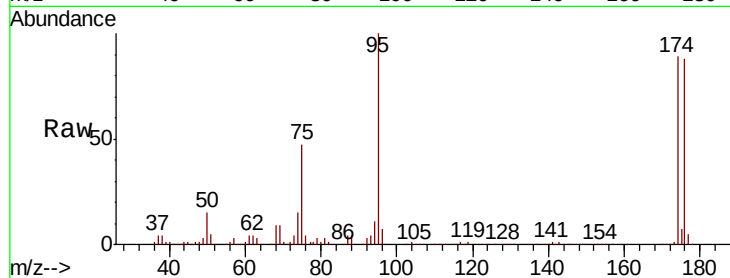
Tot Ion: 95 Resp: 159195

Ion Ratio Lower Upper

95 100

174 94.1 0.0 160.4

176 91.0 0.0 154.6

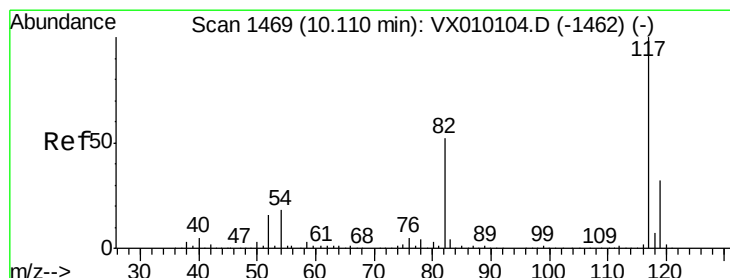
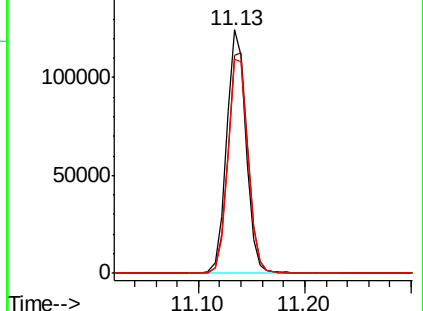
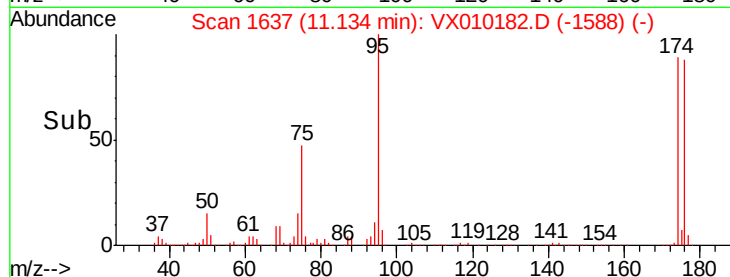


Abundance Ion 94.90 (94.60 to 95.60): VX010182.D (-1588) (-)

Ion 173.80 (173.50 to 174.50): VX010182.D (-1588) (-)

Ion 175.80 (175.50 to 176.50): VX010182.D (-1588) (-)

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VX010182.D

Acq: 10 Jun 2019 16:56

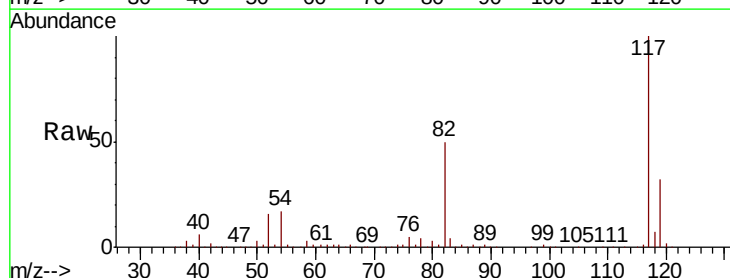
Tgt Ion: 117 Resp: 354484

Ion Ratio Lower Upper

117 100

82 49.7 49.2 73.8

119 32.3 25.2 37.8

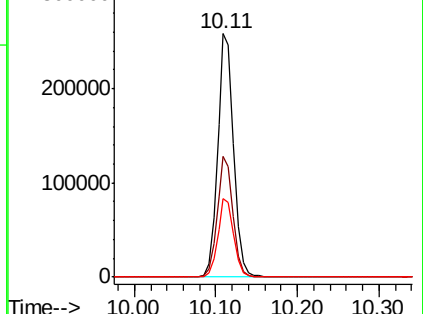
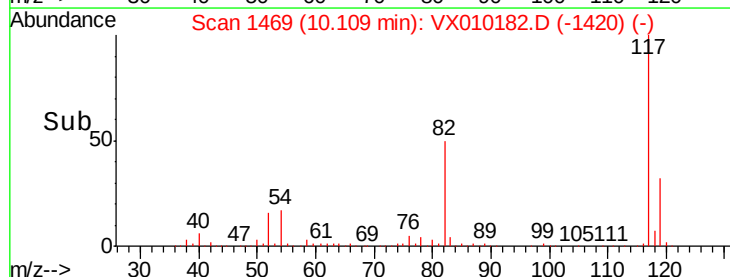


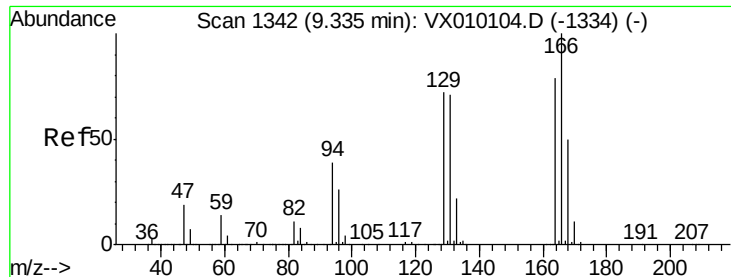
Abundance Ion 116.90 (116.60 to 117.60): VX010182.D (-1420) (-)

Ion 82.00 (81.70 to 82.70): VX010182.D (-1420) (-)

Ion 118.90 (118.60 to 119.60): VX010182.D (-1420) (-)

Time-->





#64

Tetrachloroethene

Concen: 2.582 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. -0.00 min

Lab File: VX010182.D

Acq: 10 Jun 2019 16:56

Instrument :

MSVOA_X

ClientSampleId :

RE131D2-20190606DL

Tot Ion:164 Resp: 6797

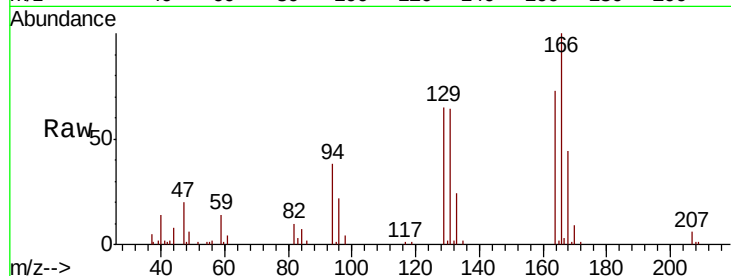
Ion Ratio Lower Upper

164 100

166 136.5 105.0 157.4

129 89.0 75.1 112.7

131 87.3 72.2 108.4



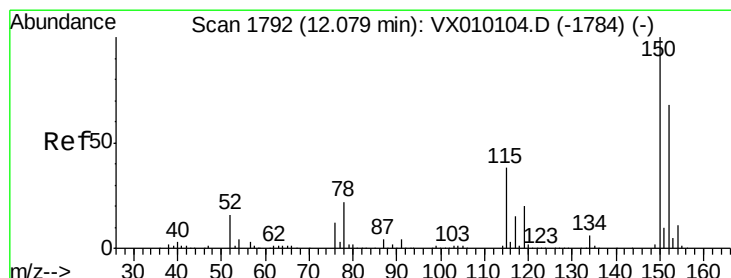
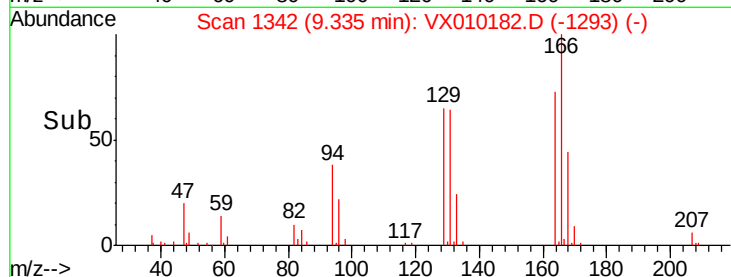
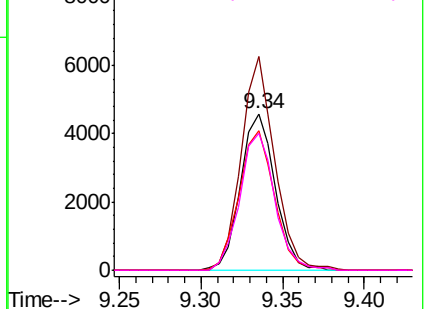
Abundance

Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX010182.D

Acq: 10 Jun 2019 16:56

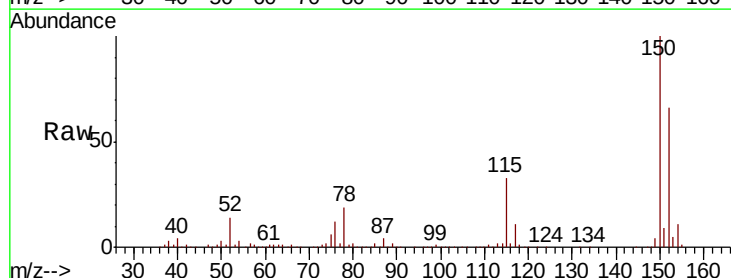
Tgt Ion:152 Resp: 169825

Ion Ratio Lower Upper

152 100

115 54.0 41.4 124.2

150 154.6 0.0 345.2

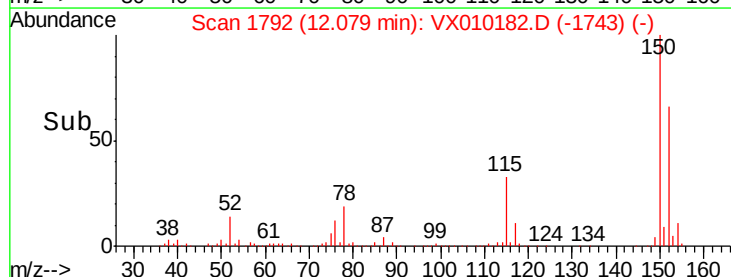
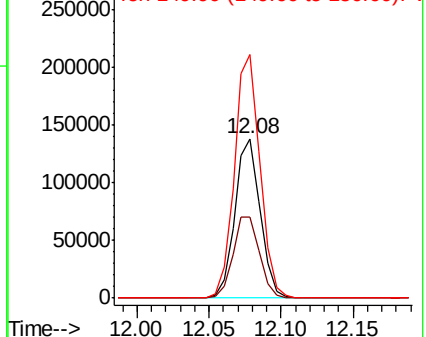


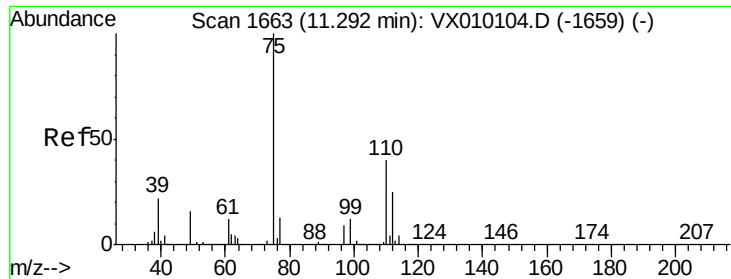
Abundance

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: 21.165 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX010182.D

Acq: 10 Jun 2019 16:56

Instrument :

MSVOA_X

ClientSampleId :

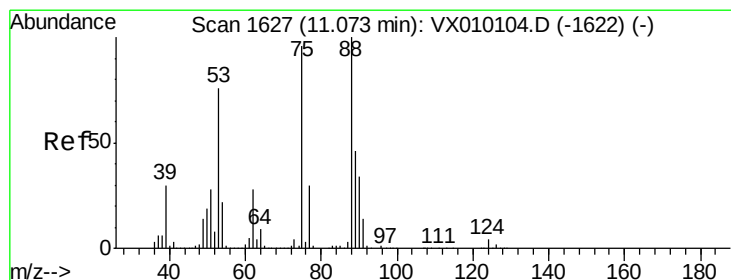
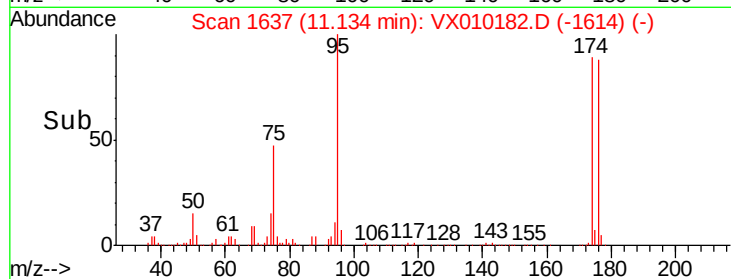
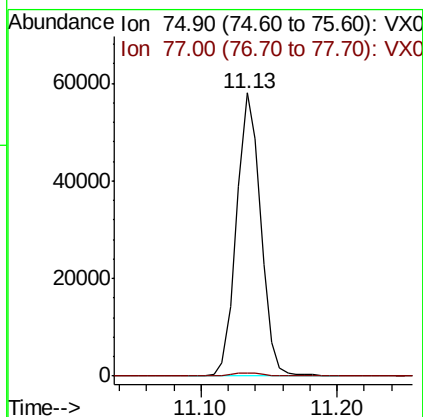
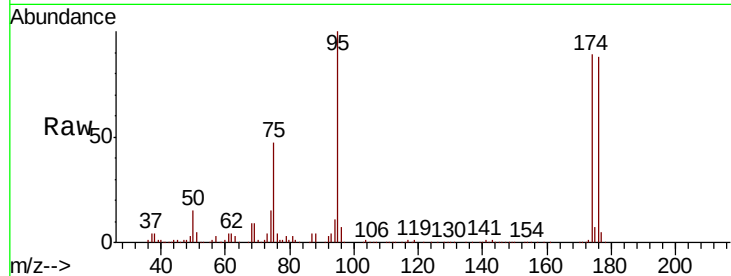
RE131D2-20190606DL

Tot Ion: 75 Resp: 71895

Ion Ratio Lower Upper

75 100

77 1.6 22.1 66.1#



#81

trans-1,4-Dichloro-2-butene

Concen: 46.763 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX010182.D

Acq: 10 Jun 2019 16:56

Tgt Ion: 75 Resp: 71895

Ion Ratio Lower Upper

75 100

53 0.2 79.8 119.6#

89 0.0 34.2 51.4#

