

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061019\
 Data File : VX010183.D
 Acq On : 10 Jun 2019 17:19
 Operator : JC/SP
 Sample : K3257-05DL 5X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE131D3-20190606DL

Quant Time: Jun 11 02:39:08 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	5.67	168	262480	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	399163	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	353440	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	162877	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	118151	46.11	ug/l	0.00
Spiked Amount			Recovery	=	92.22%	
35) Dibromofluoromethane	5.50	113	122049	49.57	ug/l	0.00
Spiked Amount			Recovery	=	99.14%	
50) Toluene-d8	8.71	98	462928	50.17	ug/l	0.00
Spiked Amount			Recovery	=	100.34%	
62) 4-Bromofluorobenzene	11.13	95	156640	45.45	ug/l	0.00
Spiked Amount			Recovery	=	90.90%	

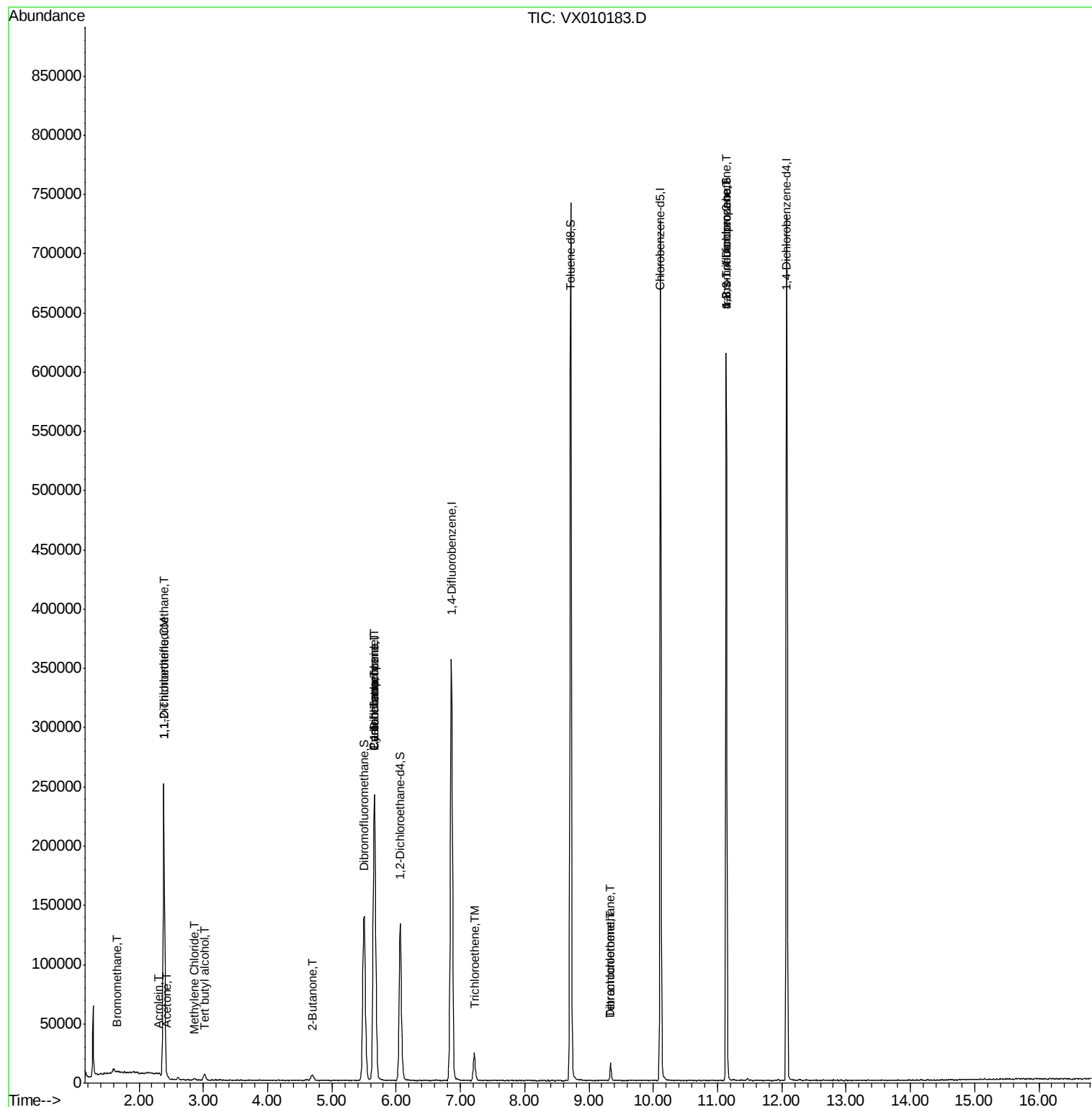
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	201	0.236	ug/l #	50
9) 1,1,2-Trichlorotrifluoroet	2.39	101	98489	42.668	ug/l	90
11) Tert butyl alcohol	3.02	59	2911	4.638	ug/l #	83
12) 1,1-Dichloroethene	2.38	96	754	0.320	ug/l #	53
13) Acrolein	2.29	56	104	0.909	ug/l #	9
16) Acetone	2.43	43	865	0.718	ug/l	94
20) Methylene Chloride	2.85	84	644	0.243	ug/l #	63
25) 2-Butanone	4.69	43	383	0.213	ug/l #	54
31) Cyclohexane	5.67	56	4131	1.108	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	15315	4.703	ug/l #	51
38) Carbon Tetrachloride	5.66	117	22495	6.103	ug/l #	17
44) Trichloroethene	7.21	130	9435	3.108	ug/l	90
60) Dibromochloromethane	9.34	129	2647	0.825	ug/l #	11
64) Tetrachloroethene	9.34	164	2804	1.068	ug/l	91
76) 1,2,3-Trichloropropane	11.13	75	71477	21.940	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	71477	48.475	ug/l #	10

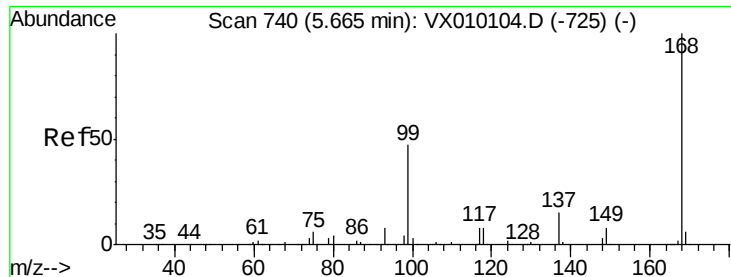
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX061019\
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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: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX010183.D

Acq: 10 Jun 2019 17:19

Instrument :

MSVOA_X

ClientSampleId :

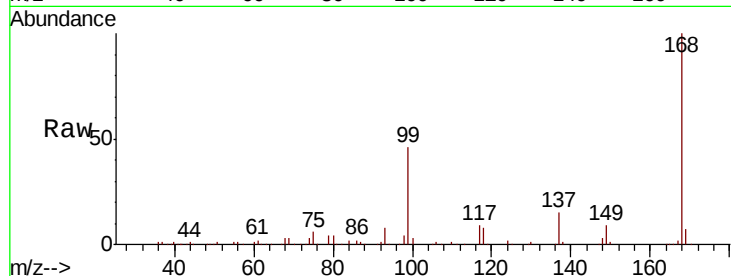
RE131D3-20190606DL

Tot Ion:168 Resp: 262480

Ion Ratio Lower Upper

168 100

99 45.6 43.0 64.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

100000

80000

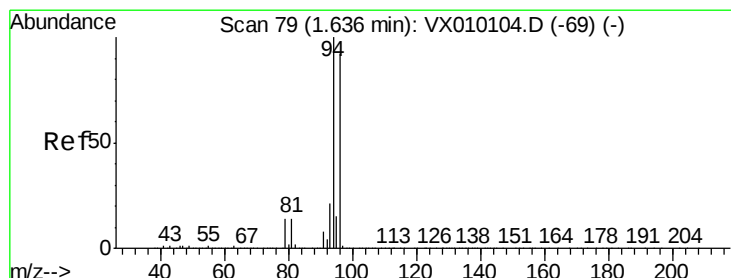
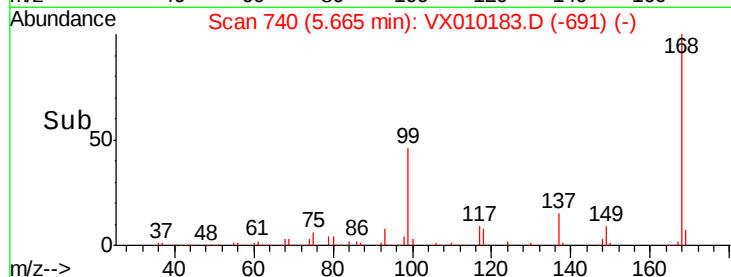
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: 0.236 ug/l

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX010183.D

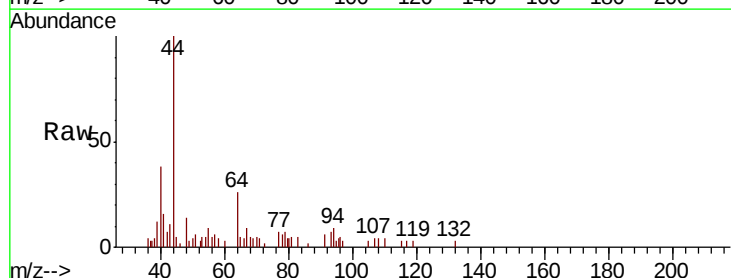
Acq: 10 Jun 2019 17:19

Tgt Ion: 94 Resp: 201

Ion Ratio Lower Upper

94 100

96 143.6 76.2 114.4#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.65

200

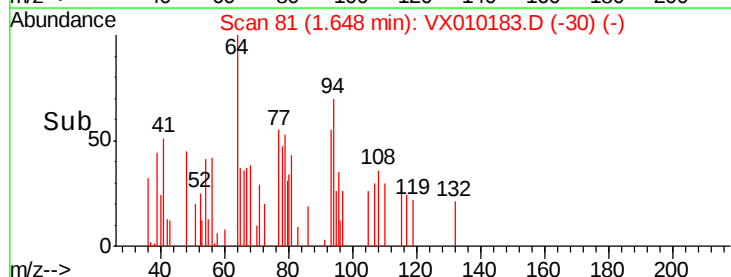
150

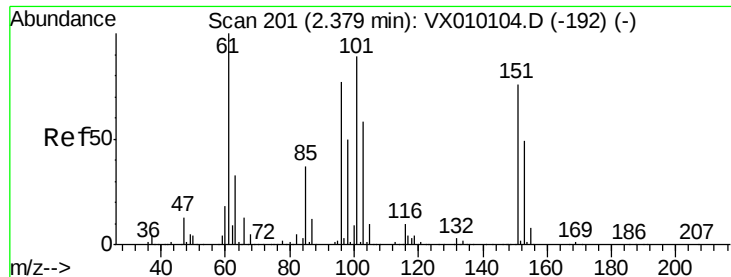
100

50

0

Time--> 1.62 1.64 1.66





#9

1,1,2-Trichlorotrifluoroethane

Concen: 42.668 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.01 min

Lab File: VX010183.D

Acq: 10 Jun 2019 17:19

Instrument :

MSVOA_X

ClientSampleId :

RE131D3-20190606DL

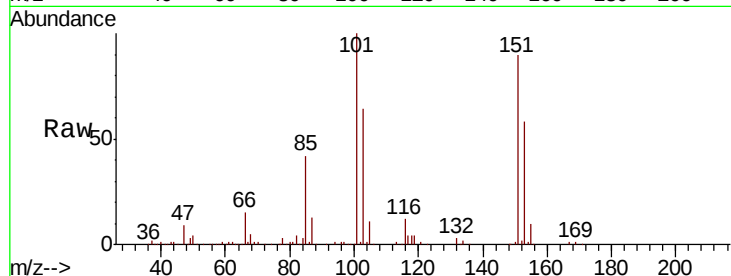
Tot Ion:101 Resp: 98489

Ion Ratio Lower Upper

101 100

85 41.5 35.2 52.8

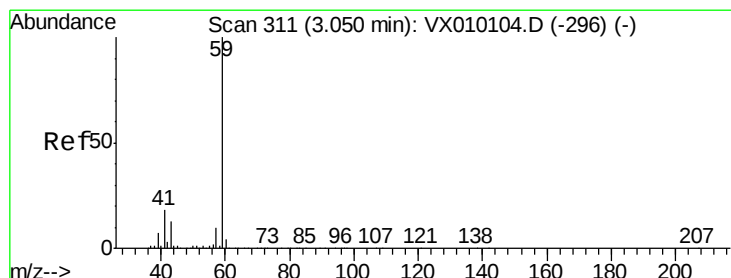
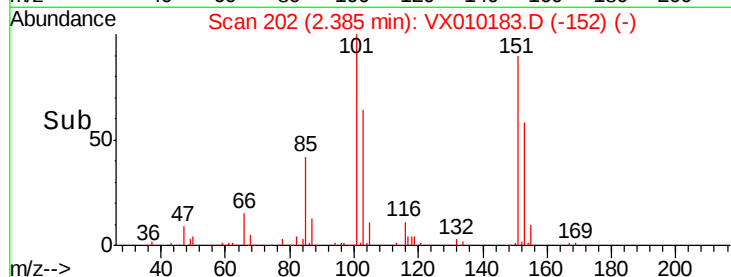
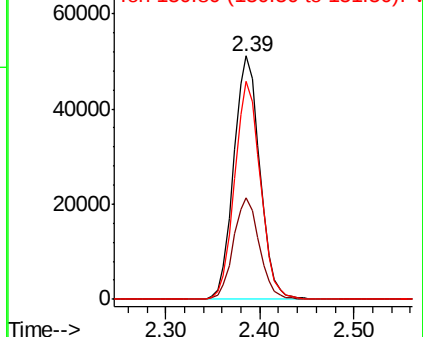
151 88.6 61.9 92.9



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#11

Tert butyl alcohol

Concen: 4.638 ug/l

RT: 3.02 min Scan# 306

Delta R.T. -0.03 min

Lab File: VX010183.D

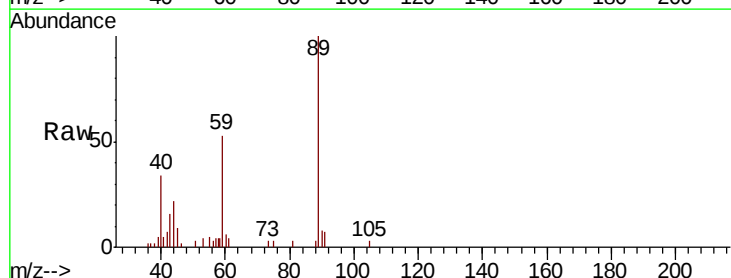
Acq: 10 Jun 2019 17:19

Tgt Ion: 59 Resp: 2911

Ion Ratio Lower Upper

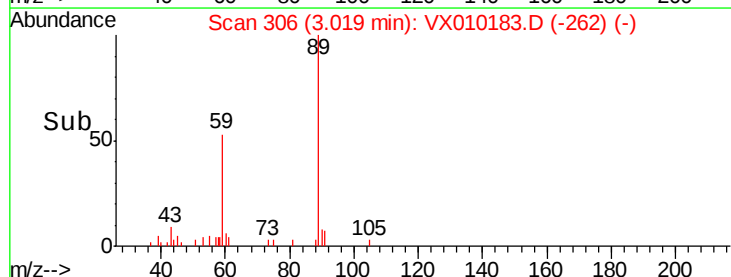
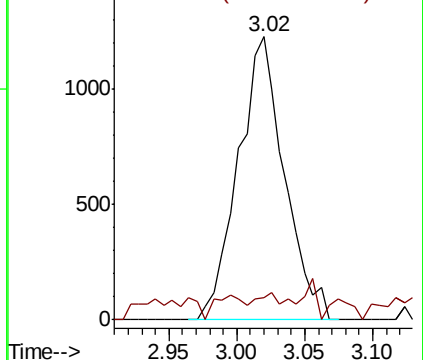
59 100

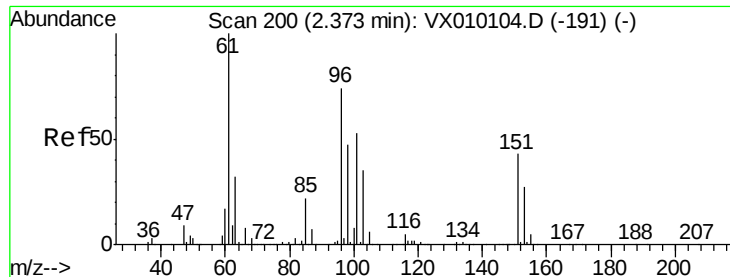
57 3.8 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#12

1,1-Dichloroethene

Concen: 0.320 ug/l

RT: 2.38 min Scan# 201

Delta R.T. 0.01 min

Lab File: VX010183.D

Acq: 10 Jun 2019 17:19

Instrument :

MSVOA_X

ClientSampleId :

RE131D3-20190606DL

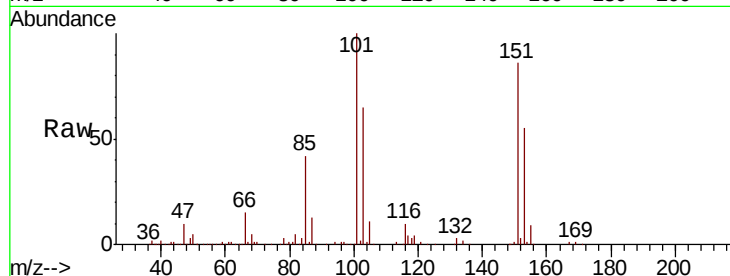
Tot Ion: 96 Resp: 754

Ion Ratio Lower Upper

96 100

61 104.3 140.7 211.1#

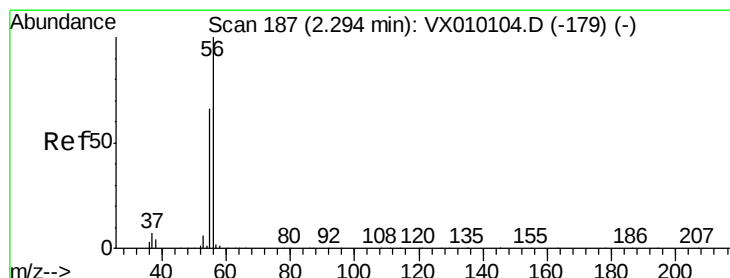
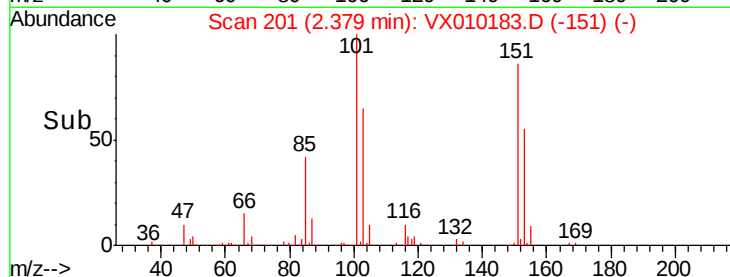
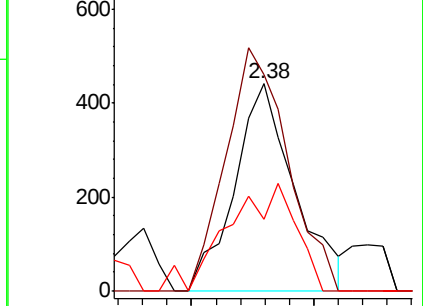
98 34.7 50.1 75.1#



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: 0.909 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX010183.D

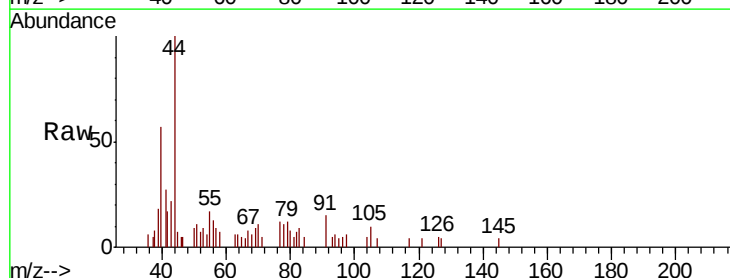
Acq: 10 Jun 2019 17:19

Tgt Ion: 56 Resp: 104

Ion Ratio Lower Upper

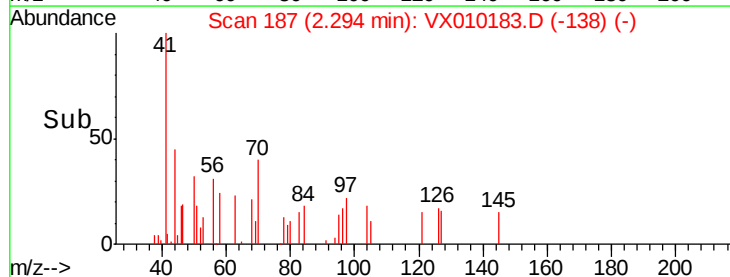
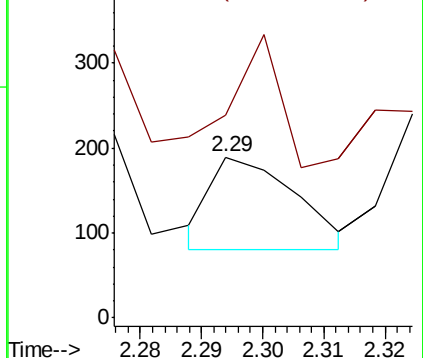
56 100

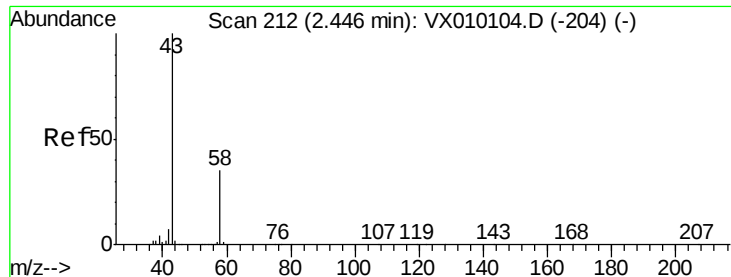
55 146.2 57.0 85.4#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

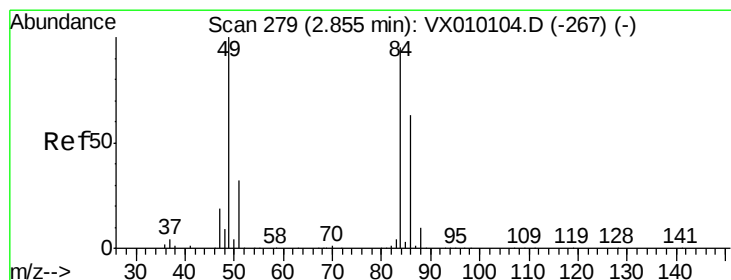
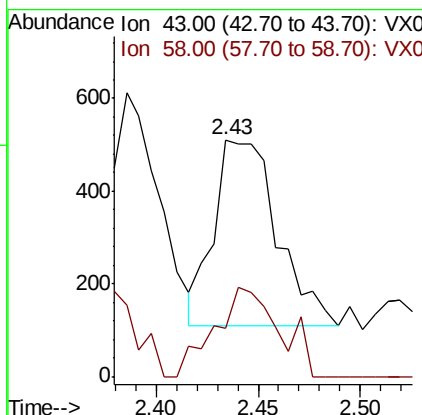
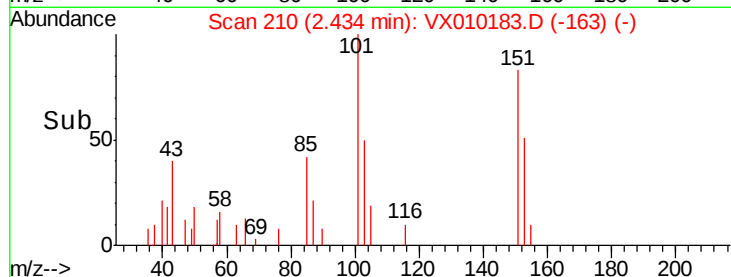
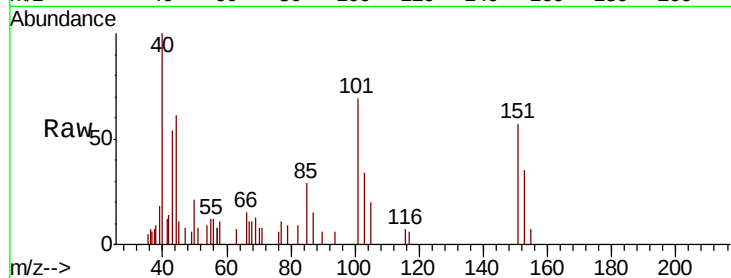




#16
Acetone
Concen: 0.718 ug/l
RT: 2.43 min Scan# 210
Delta R.T. -0.01 min
Lab File: VX010183.D
Acq: 10 Jun 2019 17:19

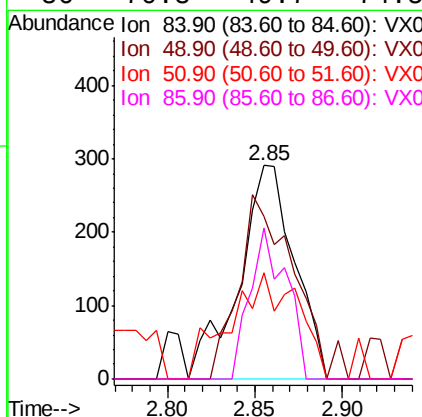
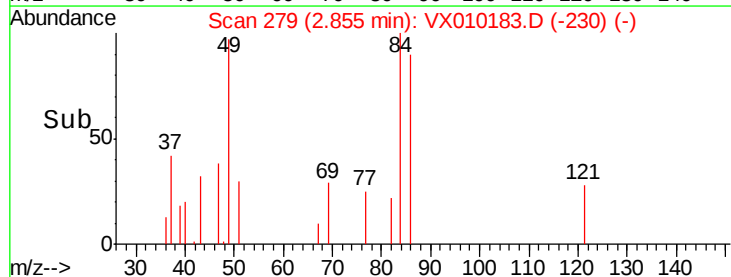
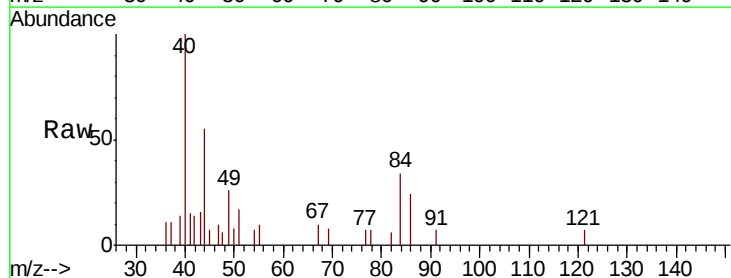
Instrument :
MSVOA_X
ClientSampleId :
RE131D3-20190606DL

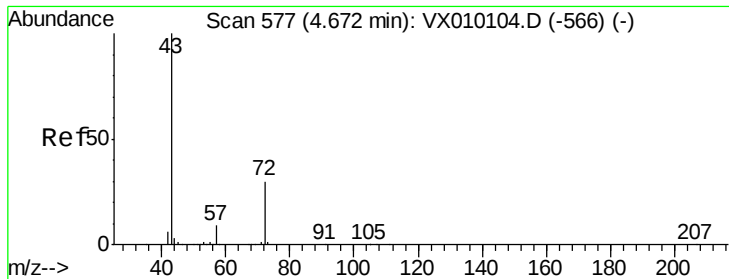
Tot Ion: 43 Resp: 865
Ion Ratio Lower Upper
43 100
58 25.6 23.2 34.8



#20
Methylene Chloride
Concen: 0.243 ug/l
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX010183.D
Acq: 10 Jun 2019 17:19

Tgt Ion: 84 Resp: 644
Ion Ratio Lower Upper
84 100
49 75.9 115.8 173.6#
51 49.5 34.4 51.6
86 70.8 49.7 74.5





#25

2-Butanone

Concen: 0.213 ug/l

RT: 4.69 min Scan# 580

Delta R.T. 0.02 min

Lab File: VX010183.D

Acq: 10 Jun 2019 17:19

Instrument :

MSVOA_X

ClientSampleId :

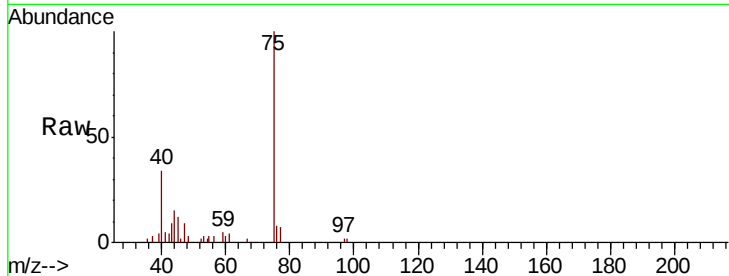
RE131D3-20190606DL

Tot Ion: 43 Resp: 383

Ion Ratio Lower Upper

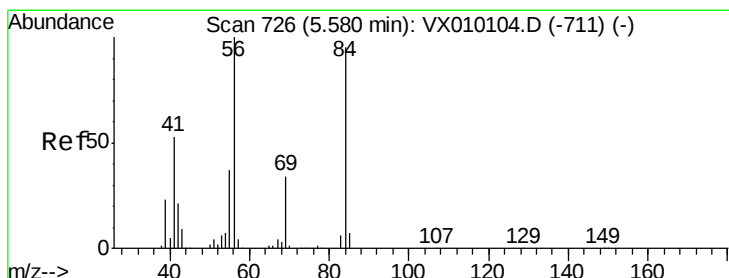
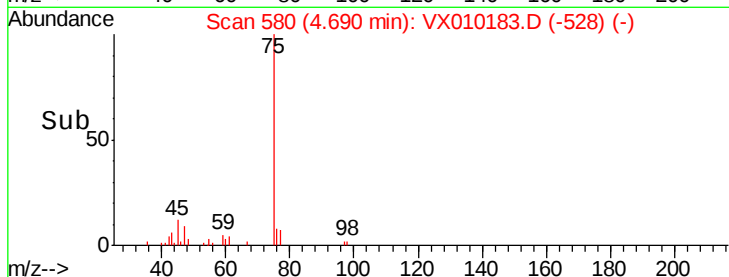
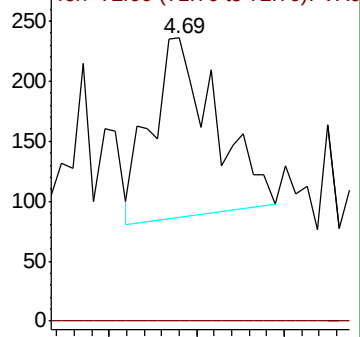
43 100

72 0.0 17.5 26.3#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#31

Cyclohexane

Concen: 1.108 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.09 min

Lab File: VX010183.D

Acq: 10 Jun 2019 17:19

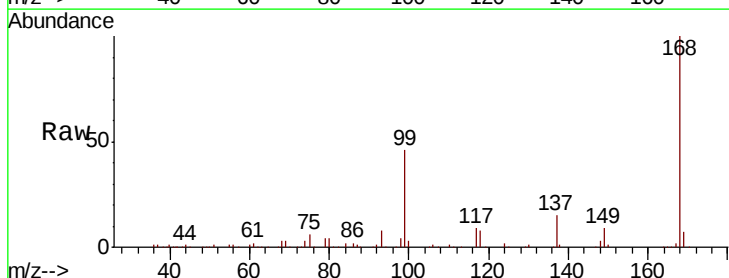
Tgt Ion: 56 Resp: 4131

Ion Ratio Lower Upper

56 100

69 188.9 21.6 32.4#

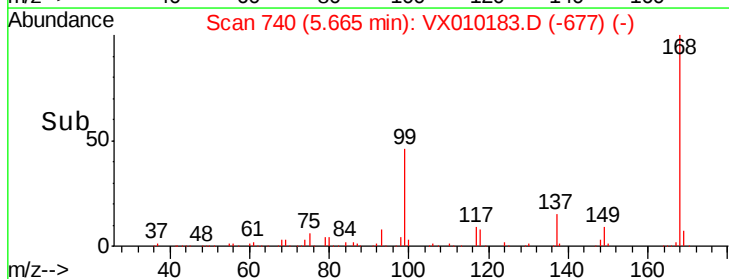
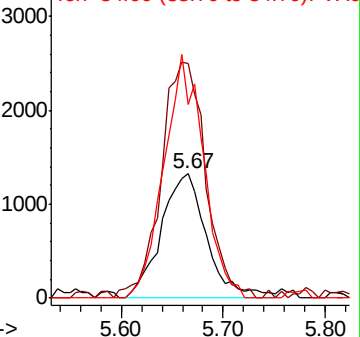
84 155.3 56.8 85.2#

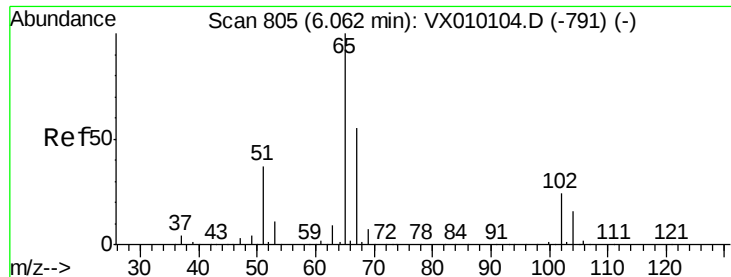


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0





#33

1,2-Dichloroethane-d4

Concen: 46.115 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX010183.D

Acq: 10 Jun 2019 17:19

Instrument :

MSVOA_X

ClientSampleId :

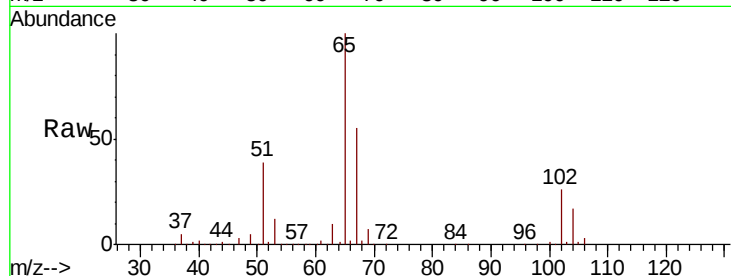
RE131D3-20190606DL

Tot Ion: 65 Resp: 118151

Ion Ratio Lower Upper

65 100

67 54.8 0.0 108.4



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.06

50000

40000

30000

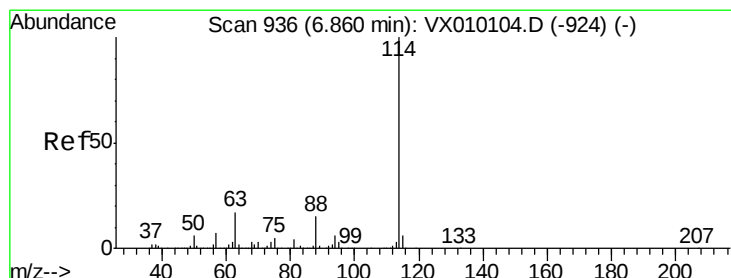
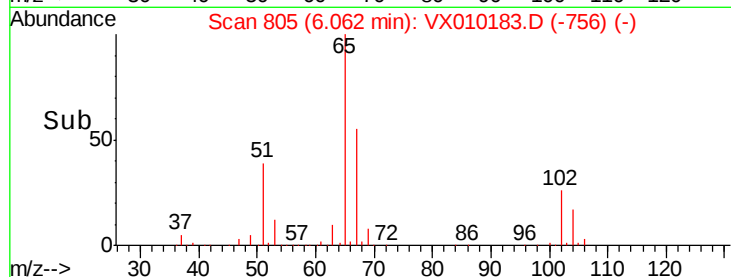
20000

10000

0

6.00 6.10 6.20

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX010183.D

Acq: 10 Jun 2019 17:19

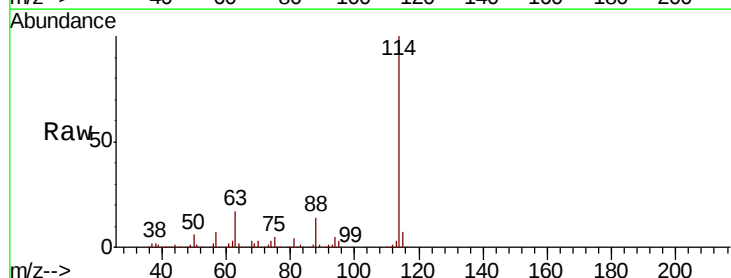
Tgt Ion: 114 Resp: 399163

Ion Ratio Lower Upper

114 100

63 16.9 0.0 47.4

88 14.2 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

6.86

200000

150000

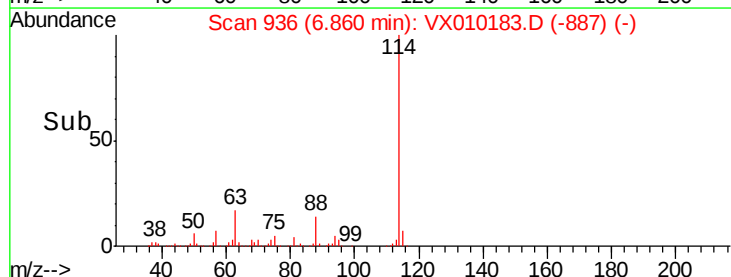
100000

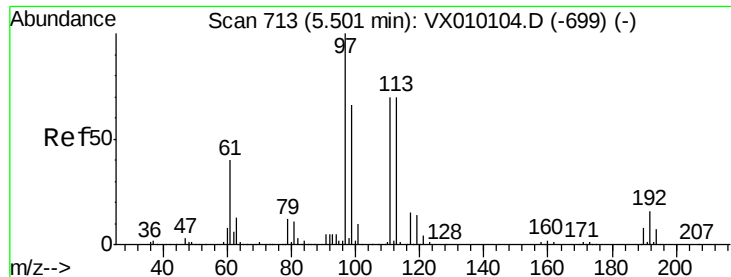
50000

0

6.70 6.80 6.90 7.00

Time-->

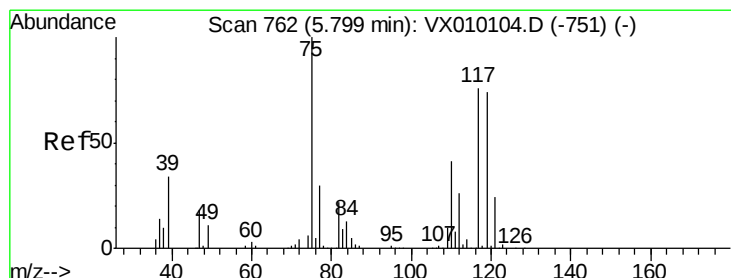
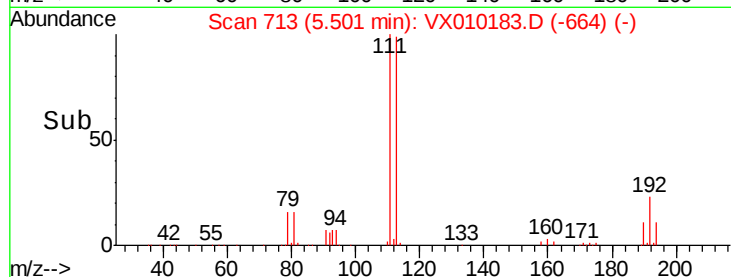
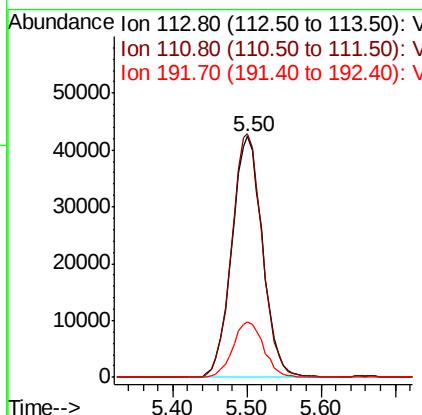
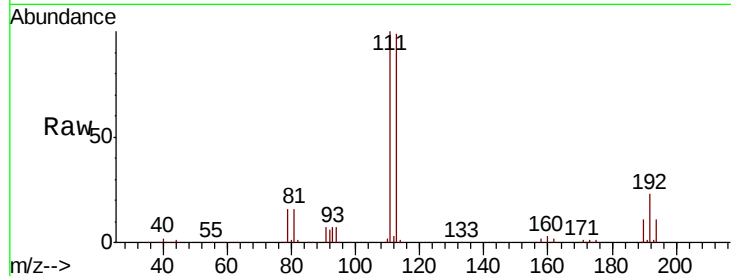




#35
 Dibromofluoromethane
 Concen: 49.570 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.00 min
 Lab File: VX010183.D
 Acq: 10 Jun 2019 17:19

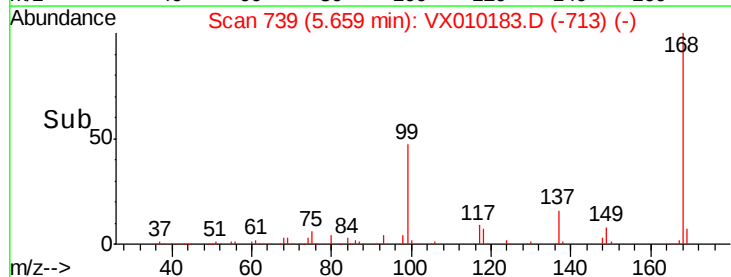
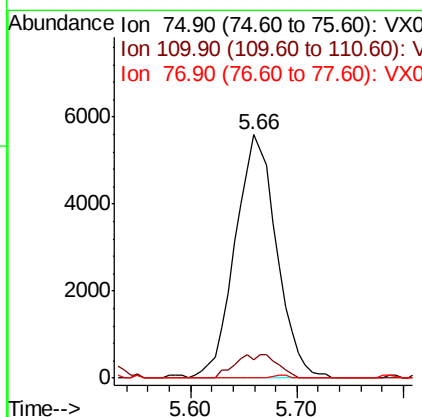
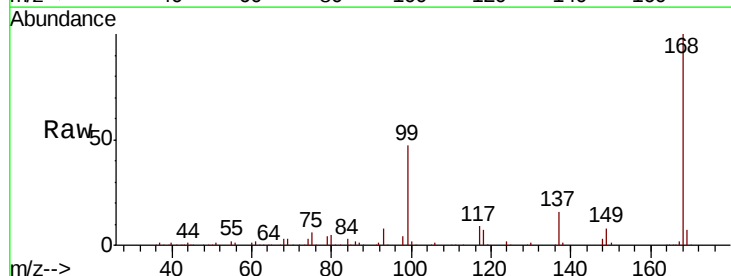
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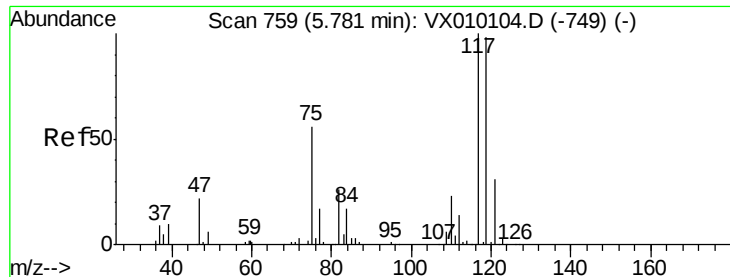
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.4	82.2	123.2
192	23.2	17.1	25.7



#36
 1,1-Dichloropropene
 Concen: 4.703 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX010183.D
 Acq: 10 Jun 2019 17:19

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.9	16.7	50.1#
77	0.0	25.0	37.4#





#38

Carbon Tetrachloride

Concen: 6.103 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.12 min

Lab File: VX010183.D

Acq: 10 Jun 2019 17:19

Instrument :

MSVOA_X

ClientSampleId :

RE131D3-20190606DL

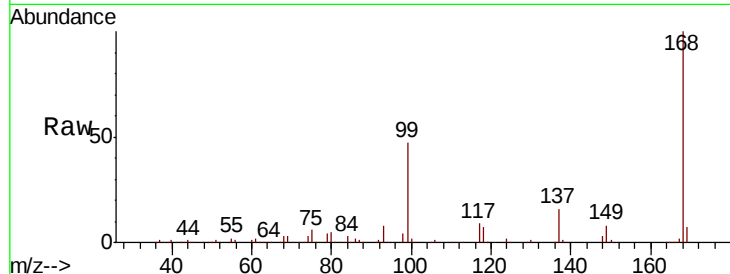
Tot Ion:117 Resp: 22495

Ion Ratio Lower Upper

117 100

119 7.2 77.3 115.9#

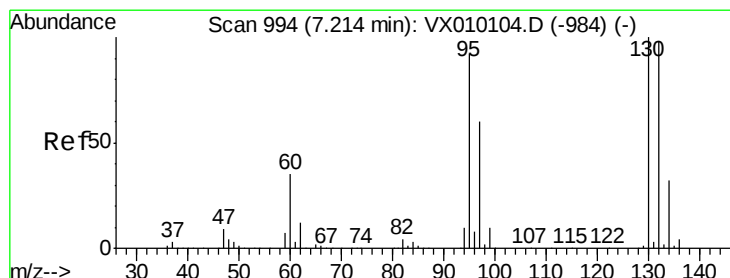
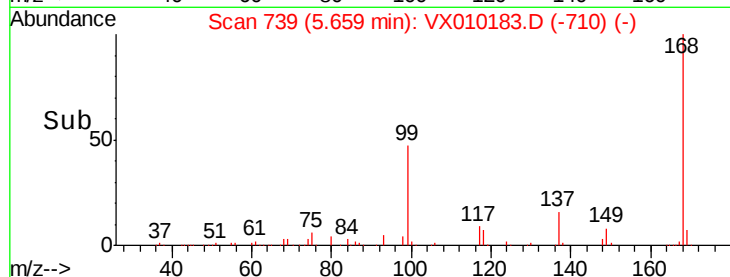
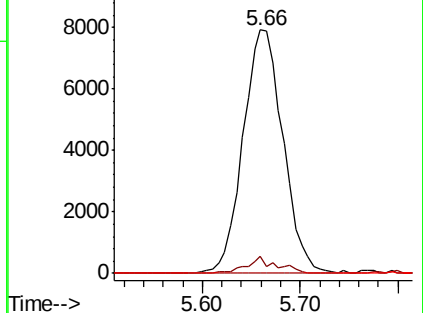
121 0.0 25.4 38.0#



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: 3.108 ug/l

RT: 7.21 min Scan# 994

Delta R.T. 0.00 min

Lab File: VX010183.D

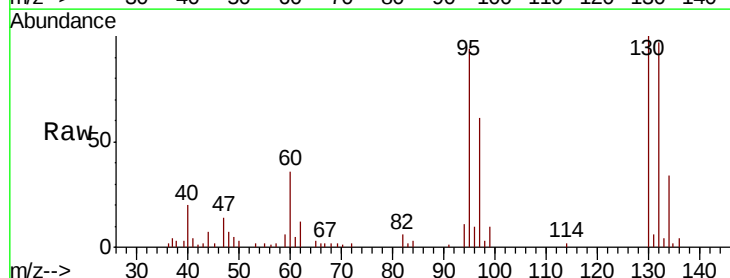
Acq: 10 Jun 2019 17:19

Tgt Ion:130 Resp: 9435

Ion Ratio Lower Upper

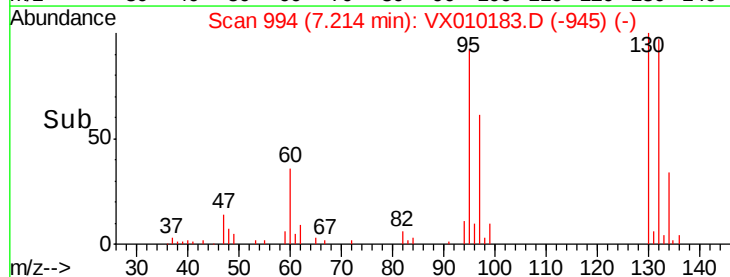
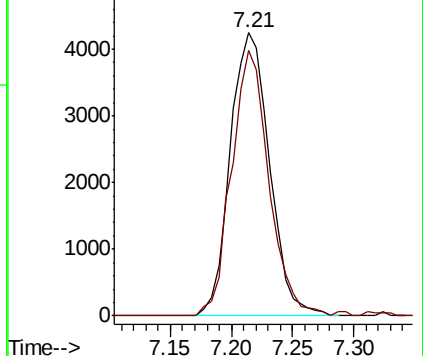
130 100

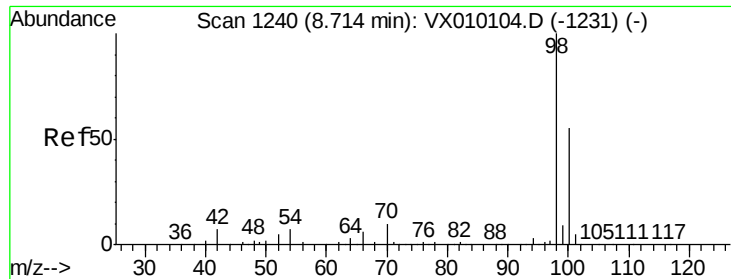
95 93.8 0.0 207.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0





#50

Toluene-d8

Concen: 50.167 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX010183.D

Acq: 10 Jun 2019 17:19

Instrument :

MSVOA_X

ClientSampleId :

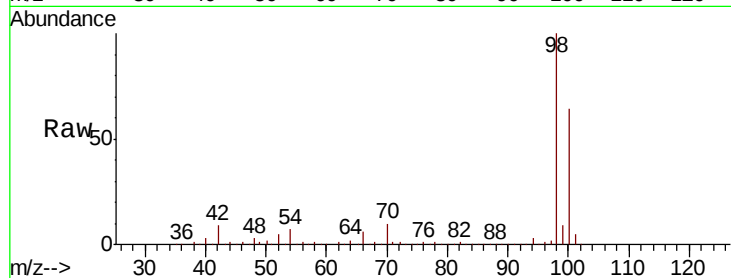
RE131D3-20190606DL

Tot Ion: 98 Resp: 462928

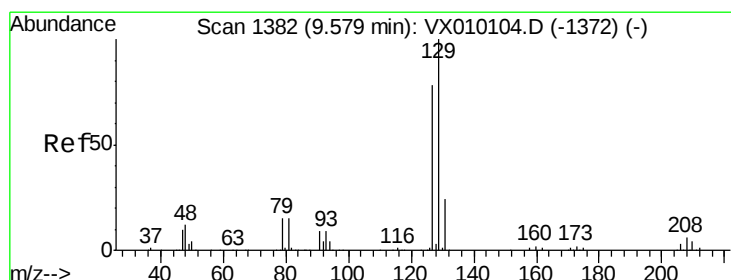
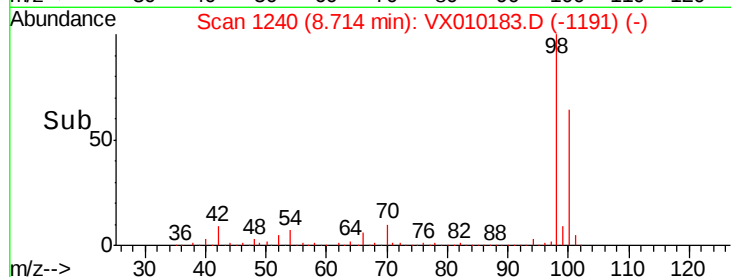
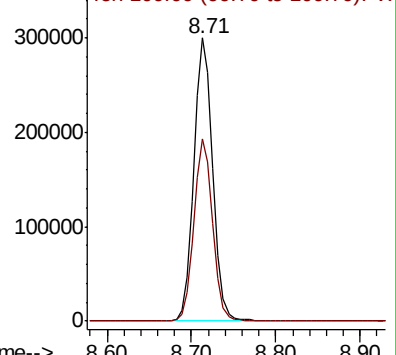
Ion Ratio Lower Upper

98 100

100 64.2 51.5 77.3



Abundance Ion 98.00 (97.70 to 98.70): VX010104.D (-1231) (-)



#60

Dibromochloromethane

Concen: 0.825 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. -0.24 min

Lab File: VX010183.D

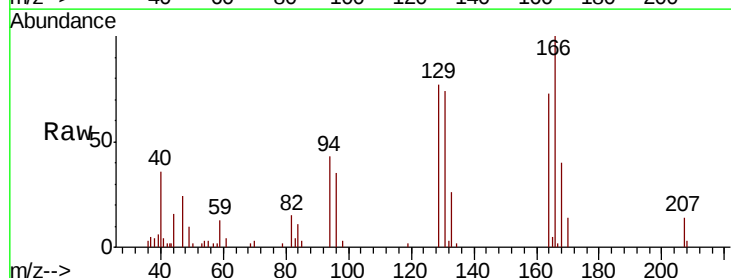
Acq: 10 Jun 2019 17:19

Tgt Ion: 129 Resp: 2647

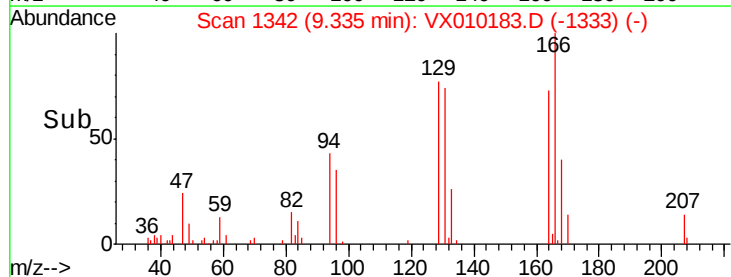
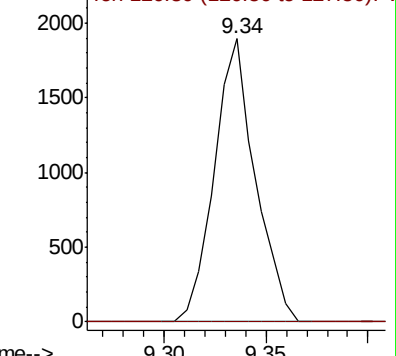
Ion Ratio Lower Upper

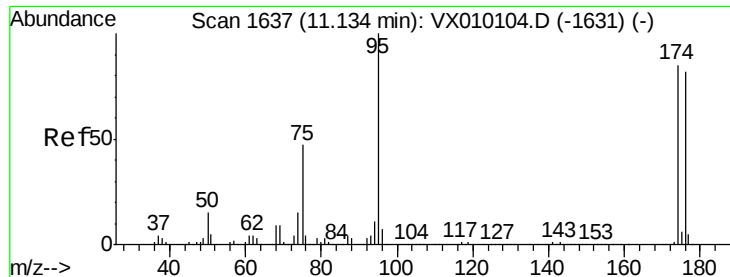
129 100

127 0.0 38.5 115.5#



Abundance Ion 128.80 (128.50 to 129.50): VX010104.D (-1372) (-)





#62

4-Bromofluorobenzene

Concen: 45.453 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX010183.D

Acq: 10 Jun 2019 17:19

Instrument :

MSVOA_X

ClientSampleId :

RE131D3-20190606DL

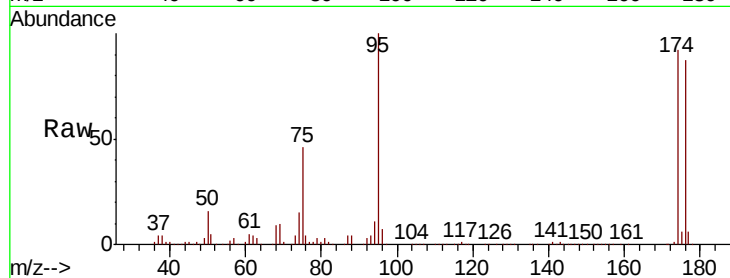
Tot Ion: 95 Resp: 156640

Ion Ratio Lower Upper

95 100

174 94.7 0.0 160.4

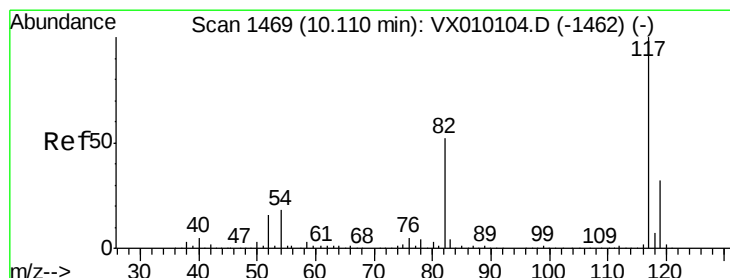
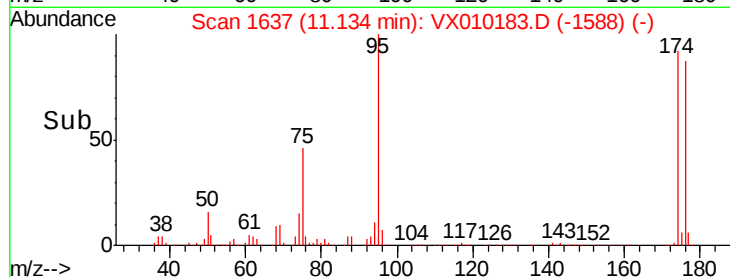
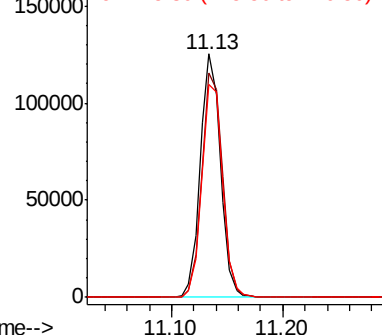
176 91.2 0.0 154.6



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# 1469

Delta R.T. 0.00 min

Lab File: VX010183.D

Acq: 10 Jun 2019 17:19

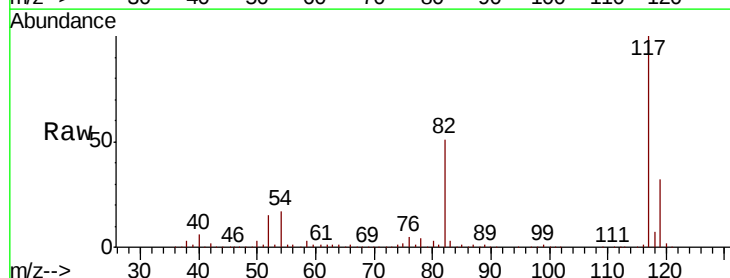
Tgt Ion: 117 Resp: 353440

Ion Ratio Lower Upper

117 100

82 51.1 49.2 73.8

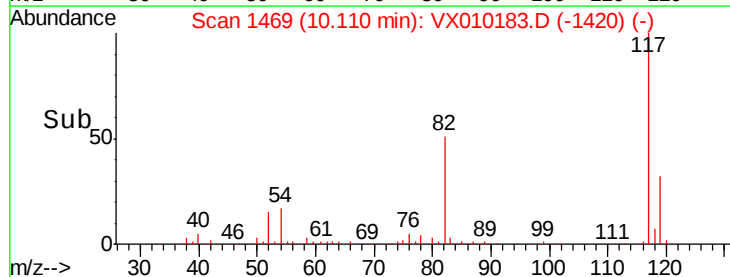
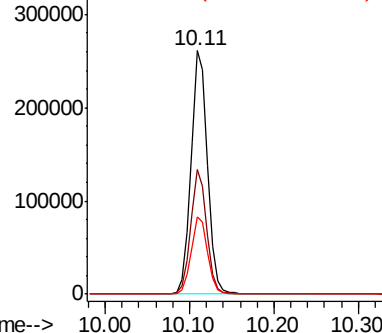
119 31.7 25.2 37.8

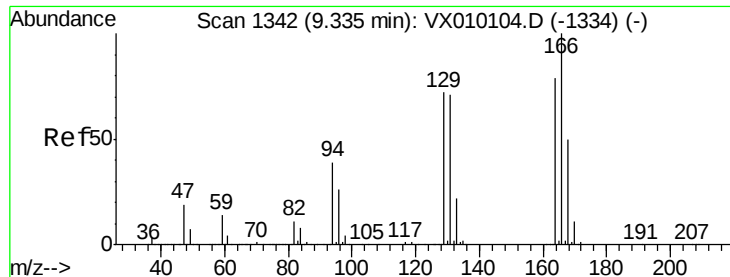


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V





#64

Tetrachloroethene

Concen: 1.068 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. 0.00 min

Lab File: VX010183.D

Acq: 10 Jun 2019 17:19

Instrument :

MSVOA_X

ClientSampleId :

RE131D3-20190606DL

Tot Ion:164 Resp: 2804

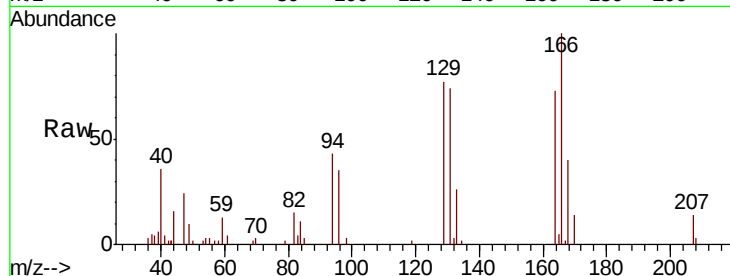
Ion Ratio Lower Upper

164 100

166 137.8 105.0 157.4

129 105.5 75.1 112.7

131 101.3 72.2 108.4

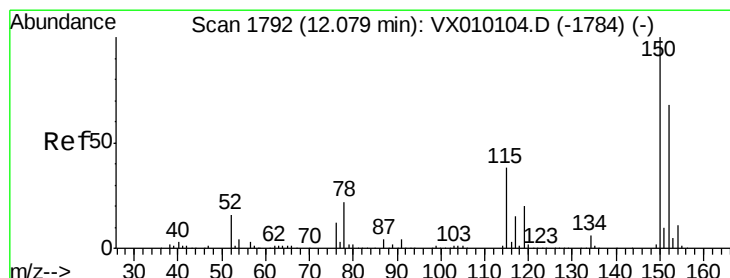
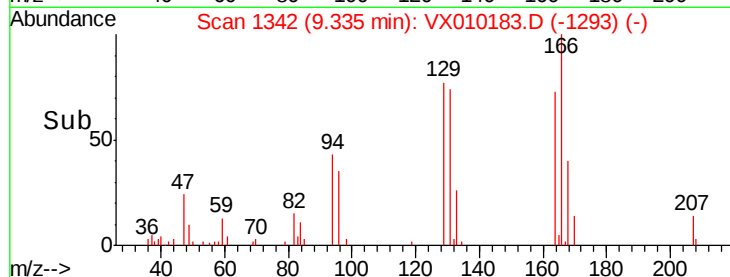
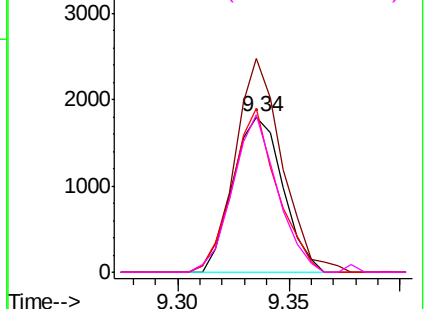


Abundance Ion 163.80 (163.50 to 164.50): V

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: VX010183.D

Acq: 10 Jun 2019 17:19

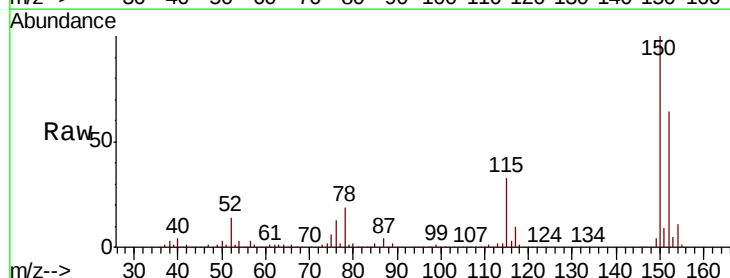
Tgt Ion:152 Resp: 162877

Ion Ratio Lower Upper

152 100

115 53.8 41.4 124.2

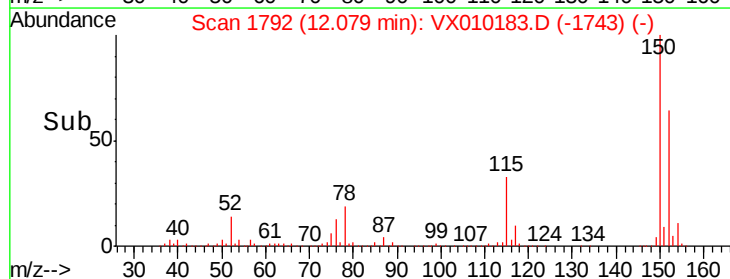
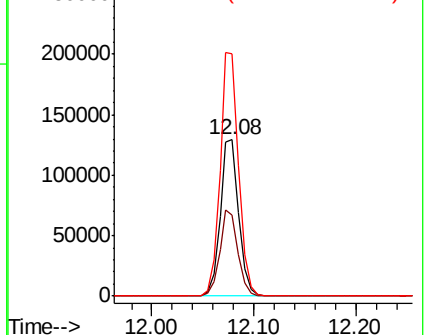
150 156.4 0.0 345.2

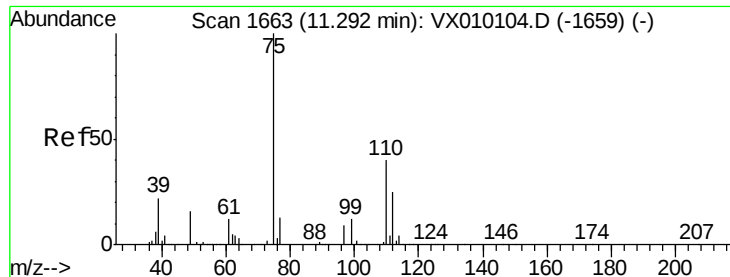


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

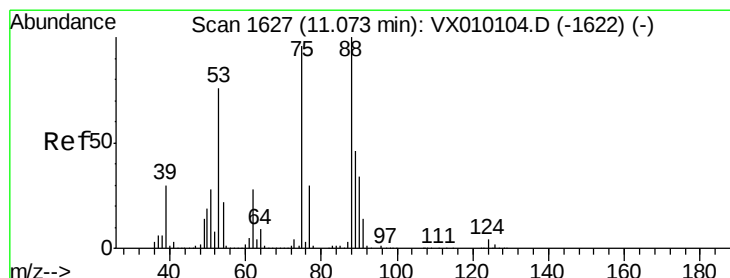
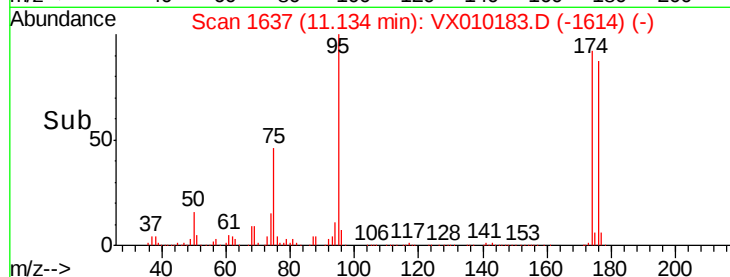
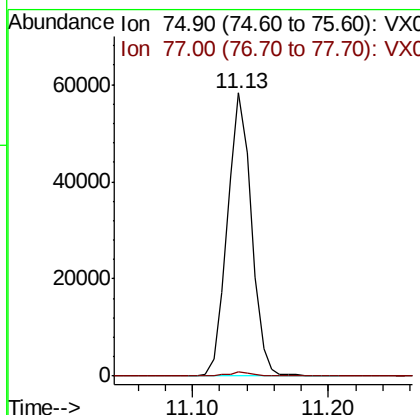
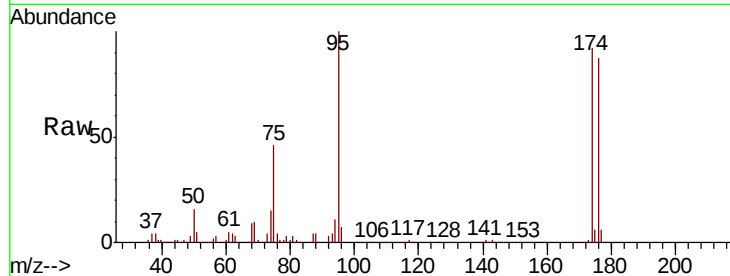




#76
 1,2,3-Trichloropropane
 Concen: 21.940 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.16 min
 Lab File: VX010183.D
 Acq: 10 Jun 2019 17:19

Instrument :
 MSVOA_X
 ClientSampleId :
 RE131D3-20190606DL

Tot Ion: 75 Resp: 71477
 Ion Ratio Lower Upper
 75 100
 77 1.5 22.1 66.1#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 48.475 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.06 min
 Lab File: VX010183.D
 Acq: 10 Jun 2019 17:19

Tgt Ion: 75 Resp: 71477
 Ion Ratio Lower Upper
 75 100
 53 0.1 79.8 119.6#
 89 0.0 34.2 51.4#

