

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062619\
 Data File : VX010467.D
 Acq On : 26 Jun 2019 16:56
 Operator : JC/SP
 Sample : K3527-13
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 27 01:13:48 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 03:31:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	249875	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	390071	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	350870	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	166407	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	120158	51.29	ug/l	0.00
Spiked Amount			Recovery	=	102.58%	
35) Dibromofluoromethane	5.50	113	119864	50.22	ug/l	0.00
Spiked Amount			Recovery	=	100.44%	
50) Toluene-d8	8.71	98	456830	50.03	ug/l	0.00
Spiked Amount			Recovery	=	100.06%	
62) 4-Bromofluorobenzene	11.13	95	154128	46.76	ug/l	0.00
Spiked Amount			Recovery	=	93.52%	

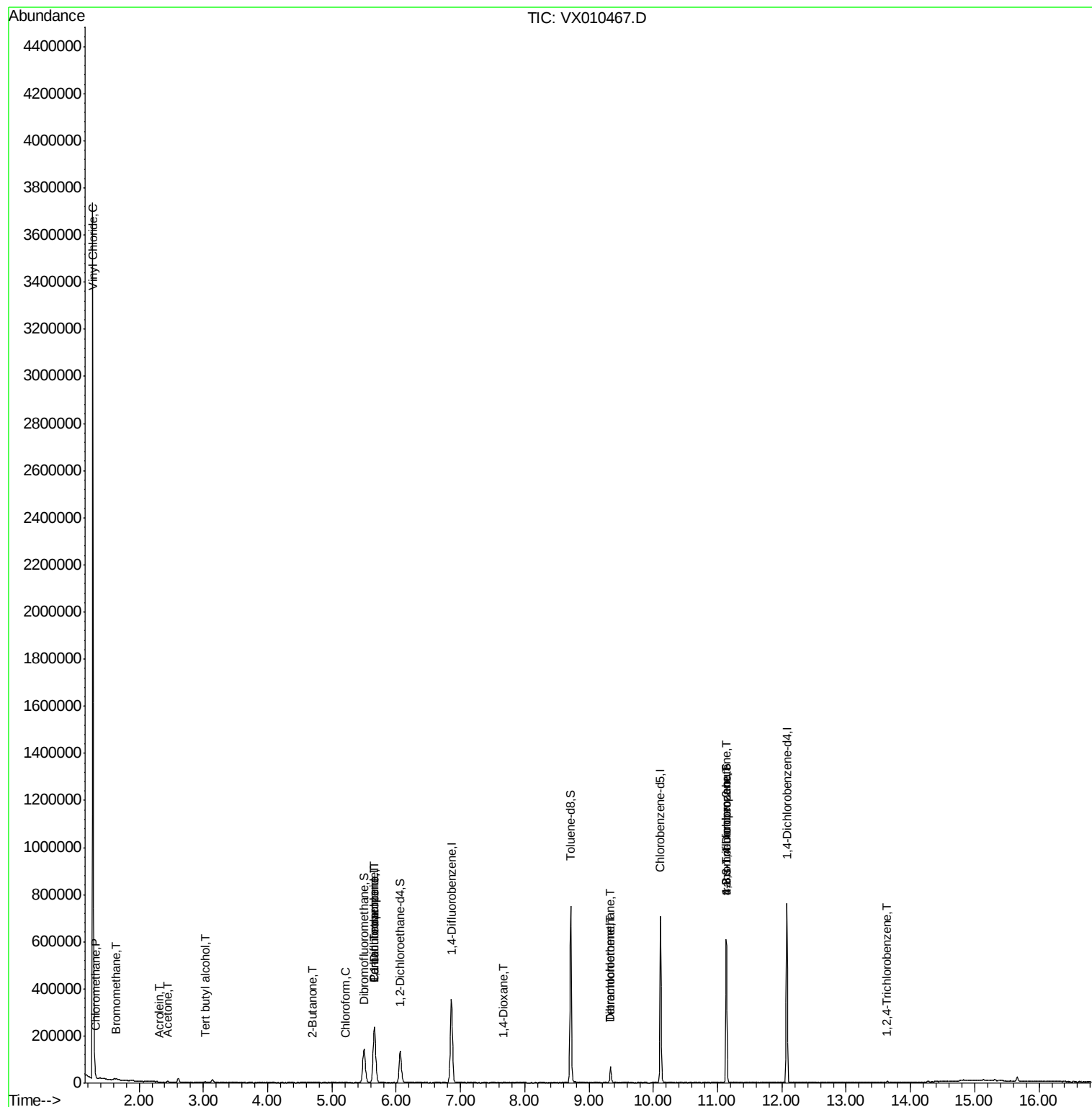
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	1911	0.945	ug/l	89
4) Vinyl Chloride	1.28	62	49497	22.340	ug/l #	44
5) Bromomethane	1.65	94	3146	2.915	ug/l	85
11) Tert butyl alcohol	3.03	59	3093	5.045	ug/l #	85
13) Acrolein	2.31	56	241	0.593	ug/l #	14
16) Acetone	2.44	43	5118	4.359	ug/l	94
25) 2-Butanone	4.68	43	357	0.207	ug/l #	46
30) Chloroform	5.21	83	989	0.247	ug/l	87
36) 1,1-Dichloropropene	5.66	75	15596	5.031	ug/l #	48
38) Carbon Tetrachloride	5.66	117	21954	6.541	ug/l #	16
49) 1,4-Dioxane	7.68	88	42	0.595	ug/l #	1
60) Dibromochloromethane	9.33	129	12366	4.211	ug/l #	11
64) Tetrachloroethene	9.33	164	14034	4.945	ug/l	98
76) 1,2,3-Trichloropropane	11.13	75	74303	24.503	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.13	75	74303	57.164	ug/l #	16
93) 1,2,4-Trichlorobenzene	13.64	180	1415	0.373	ug/l	93

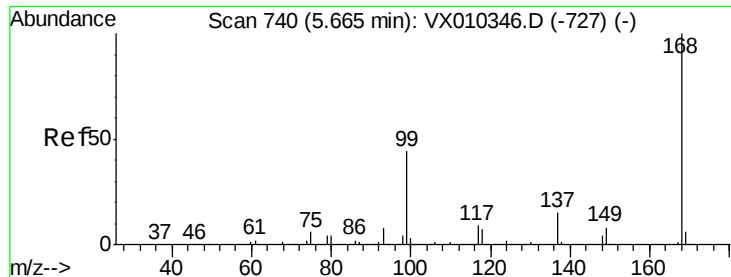
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX062619\
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Quant Time: Jun 27 01:13:48 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
Quant Title : SW846 8260
QLast Update : Thu Jun 20 03:31:56 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: VX010467.D

Acq: 26 Jun 2019 16:56

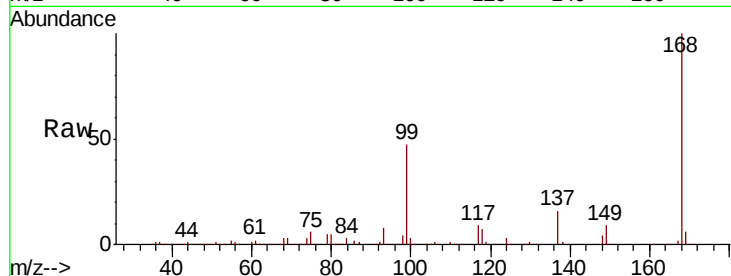
Instrument :
MSVOA_X
ClientSampled :

Tot Ion:168 Resp: 249875

Ion Ratio Lower Upper

168 100

99 46.7 35.5 53.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

80000

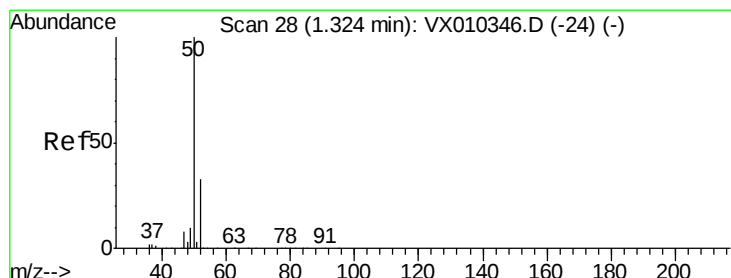
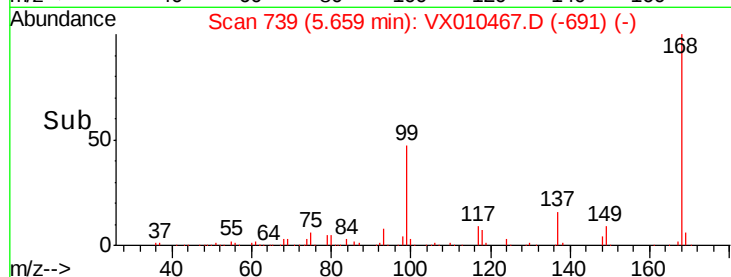
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.945 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.01 min

Lab File: VX010467.D

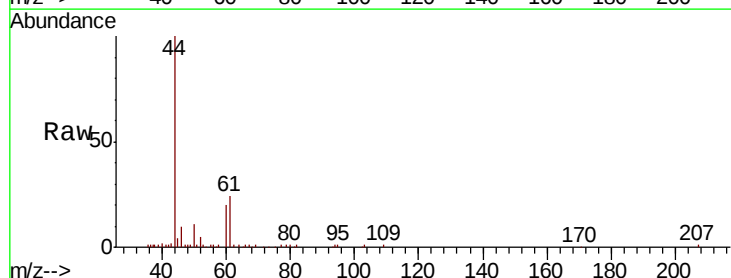
Acq: 26 Jun 2019 16:56

Tgt Ion: 50 Resp: 1911

Ion Ratio Lower Upper

50 100

52 39.3 26.5 39.7



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.33

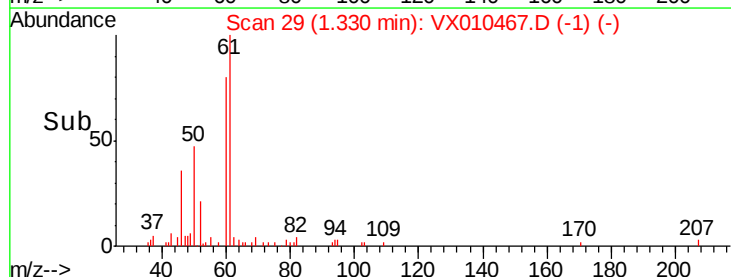
1500

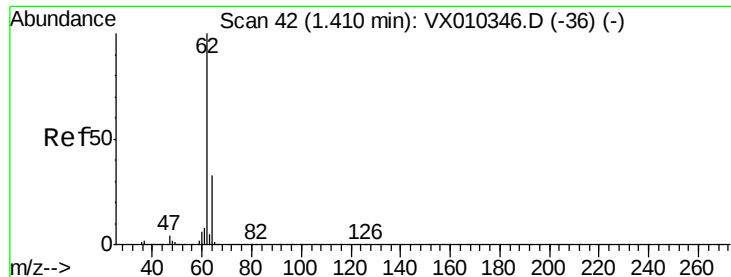
1000

500

0

Time--> 1.30 1.35





#4

Vinyl Chloride

Concen: 22.340 ug/l

RT: 1.28 min Scan# 20

Delta R.T. -0.13 min

Lab File: VX010467.D

Acq: 26 Jun 2019 16:56

Instrument :

MSVOA_X

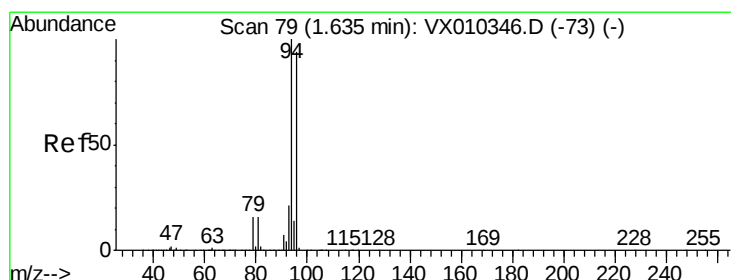
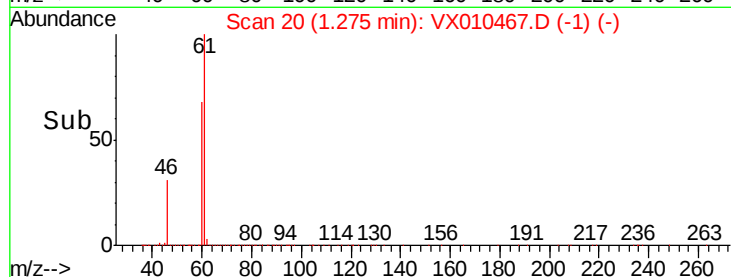
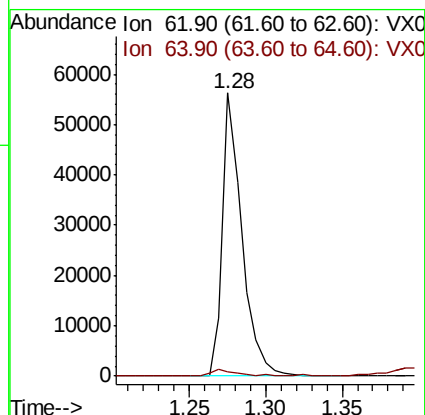
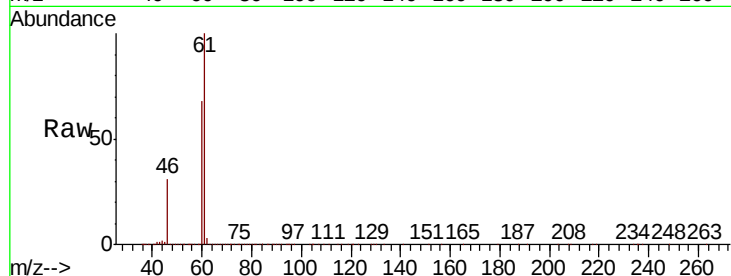
ClientSampleId :

Tot Ion: 62 Resp: 49497

Ion Ratio Lower Upper

62 100

64 1.4 26.2 39.4#



#5

Bromomethane

Concen: 2.915 ug/l

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX010467.D

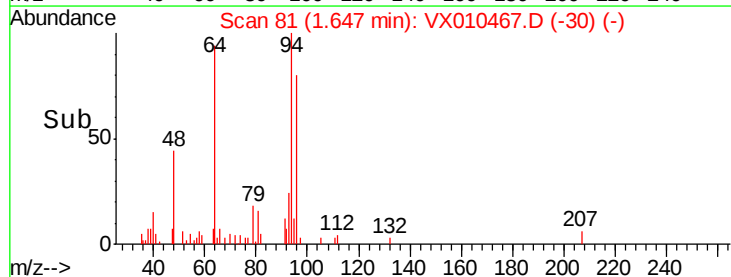
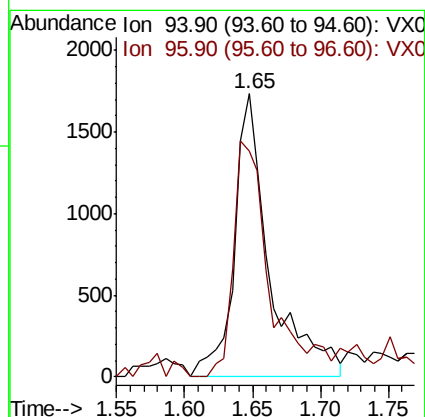
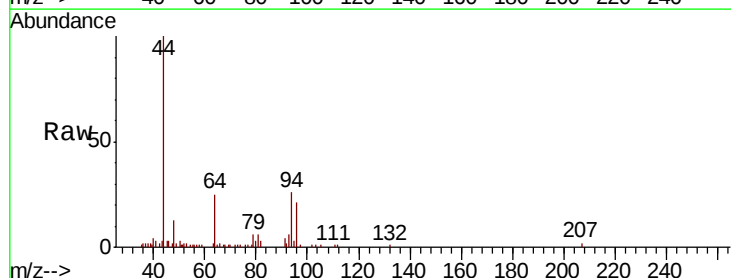
Acq: 26 Jun 2019 16:56

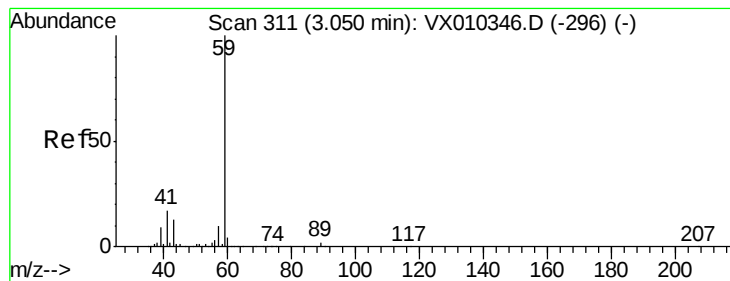
Tgt Ion: 94 Resp: 3146

Ion Ratio Lower Upper

94 100

96 79.9 75.5 113.3



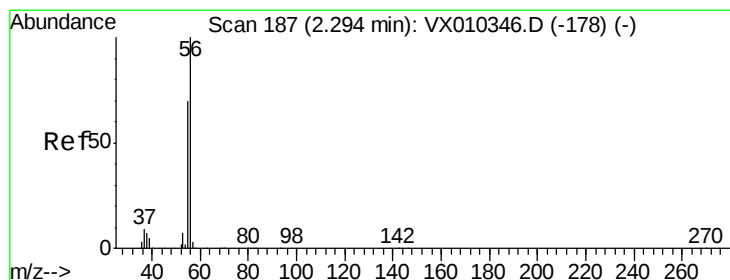
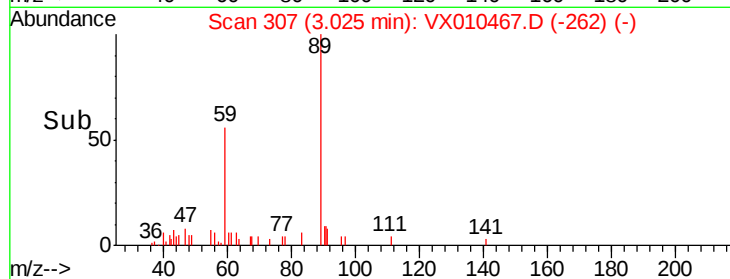
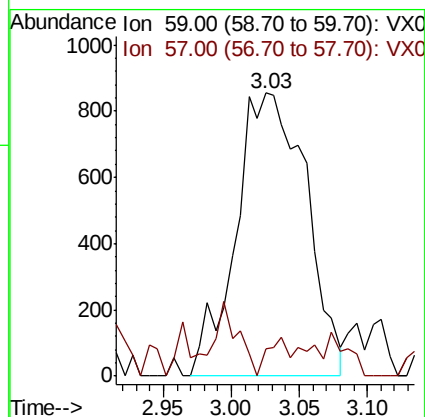
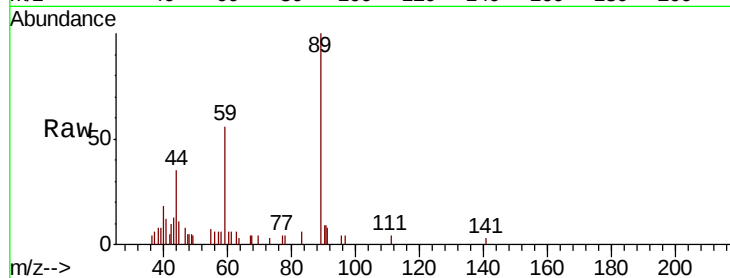


#11

Tert butyl alcohol
 Concen: 5.045 ug/l
 RT: 3.03 min Scan# 307
 Delta R.T. -0.02 min
 Lab File: VX010467.D
 Acq: 26 Jun 2019 16:56

Instrument :
 MSVOA_X
 ClientSampleId :

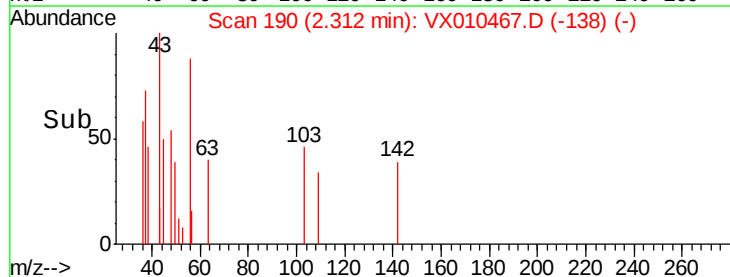
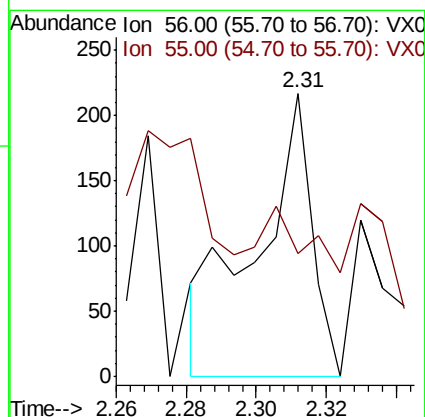
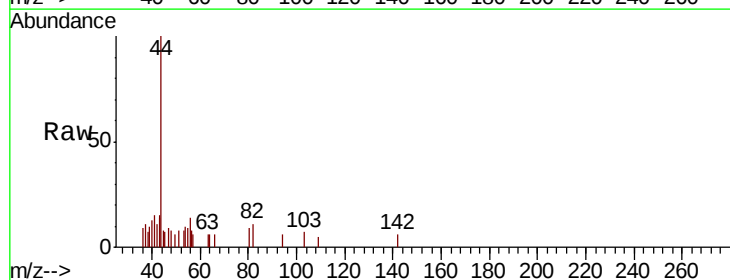
Tot Ion: 59 Resp: 3093
 Ion Ratio Lower Upper
 59 100
 57 4.0 7.7 11.5#

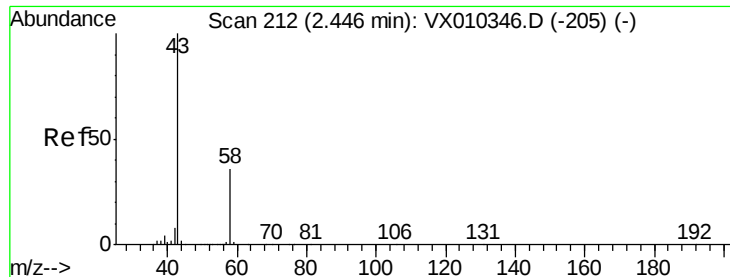


#13

Acrolein
 Concen: 0.593 ug/l
 RT: 2.31 min Scan# 190
 Delta R.T. 0.02 min
 Lab File: VX010467.D
 Acq: 26 Jun 2019 16:56

Tgt Ion: 56 Resp: 241
 Ion Ratio Lower Upper
 56 100
 55 0.0 56.9 85.3#





#16

Acetone

Concen: 4.359 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX010467.D

Acq: 26 Jun 2019 16:56

Instrument :

MSVOA_X

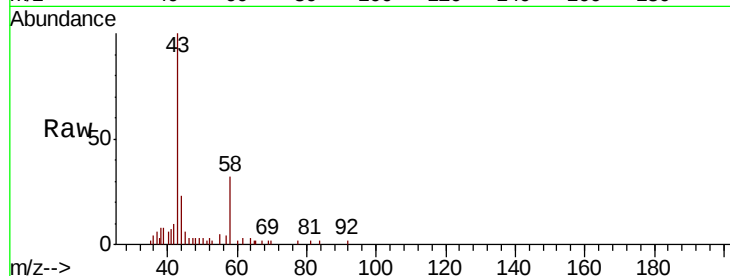
ClientSampleId :

Tot Ion: 43 Resp: 5118

Ion Ratio Lower Upper

43 100

58 32.6 28.9 43.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.44

2500

2000

1500

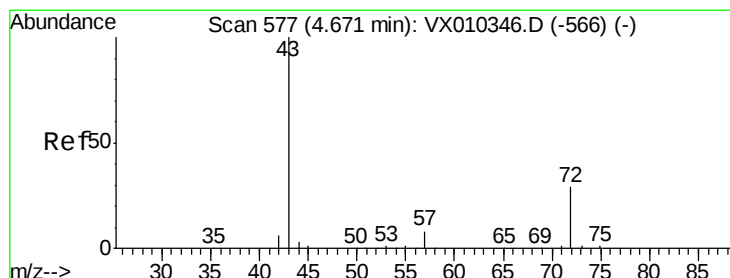
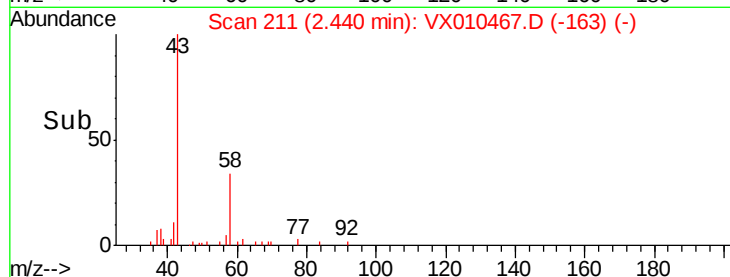
1000

500

0

Time-->

2.35 2.40 2.45 2.50 2.55



#25

2-Butanone

Concen: 0.207 ug/l

RT: 4.68 min Scan# 579

Delta R.T. 0.01 min

Lab File: VX010467.D

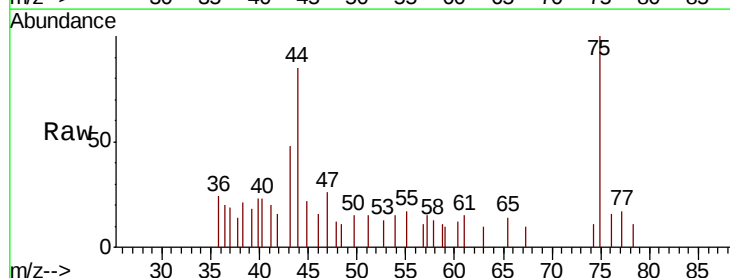
Acq: 26 Jun 2019 16:56

Tgt Ion: 43 Resp: 357

Ion Ratio Lower Upper

43 100

72 0.0 23.3 34.9#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

4.68

300

250

200

150

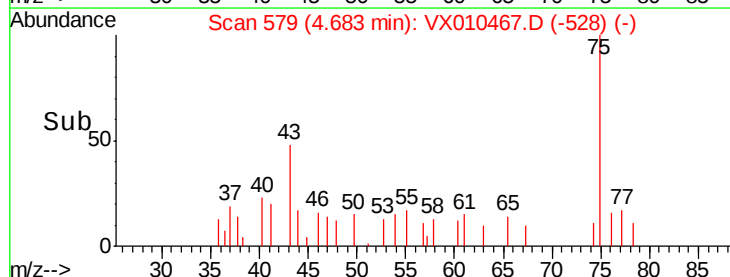
100

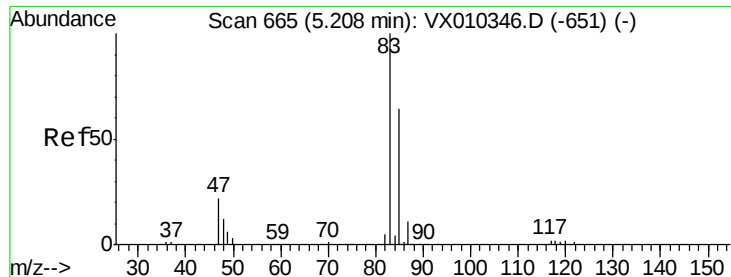
50

0

Time-->

4.65 4.70

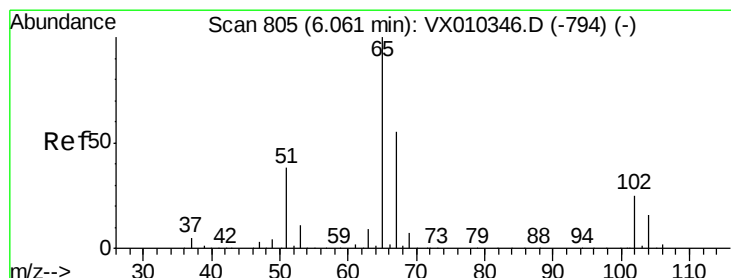
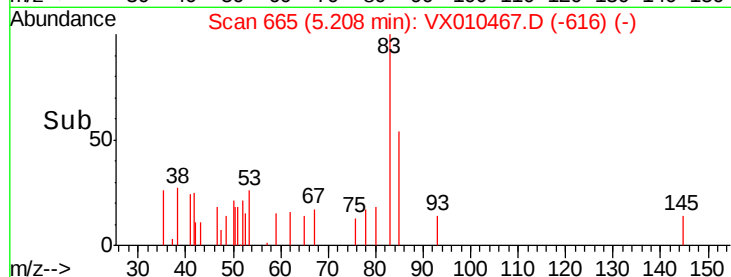
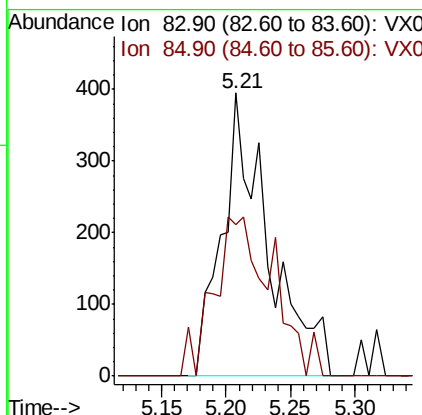
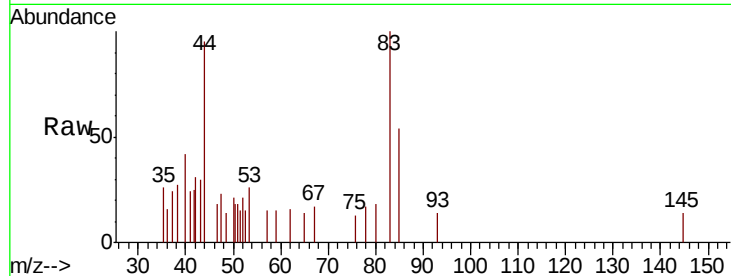




#30
Chloroform
Concen: 0.247 ug/l
RT: 5.21 min Scan# 665
Delta R.T. -0.00 min
Lab File: VX010467.D
Acq: 26 Jun 2019 16:56

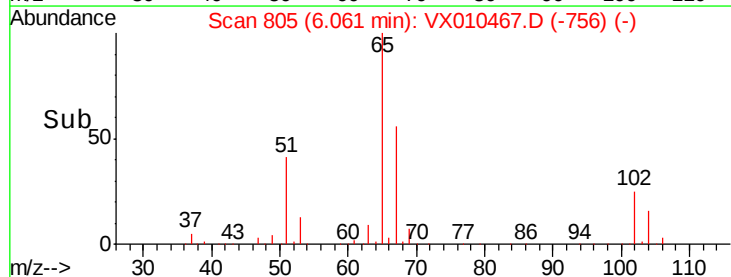
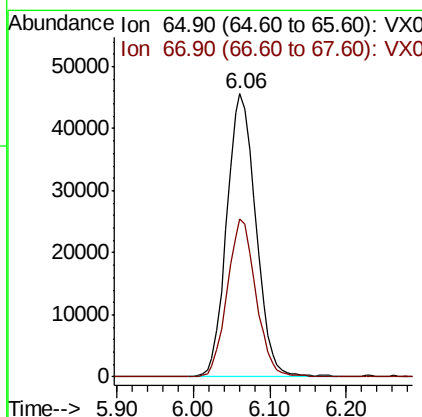
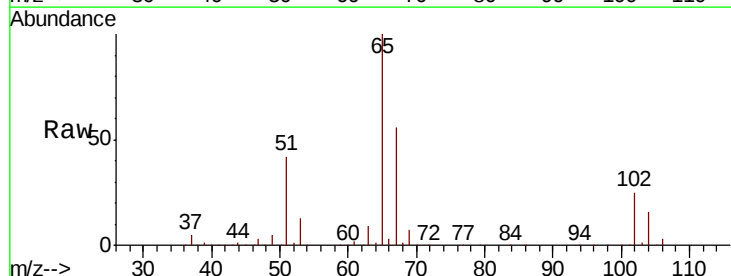
Instrument :
MSVOA_X
ClientSampled :

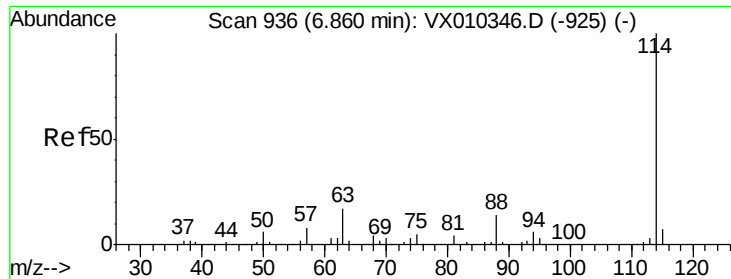
Tot Ion: 83 Resp: 989
Ion Ratio Lower Upper
83 100
85 53.7 50.9 76.3



#33
1,2-Dichloroethane-d4
Concen: 51.288 ug/l
RT: 6.06 min Scan# 805
Delta R.T. -0.00 min
Lab File: VX010467.D
Acq: 26 Jun 2019 16:56

Tgt Ion: 65 Resp: 120158
Ion Ratio Lower Upper
65 100
67 54.8 0.0 110.2

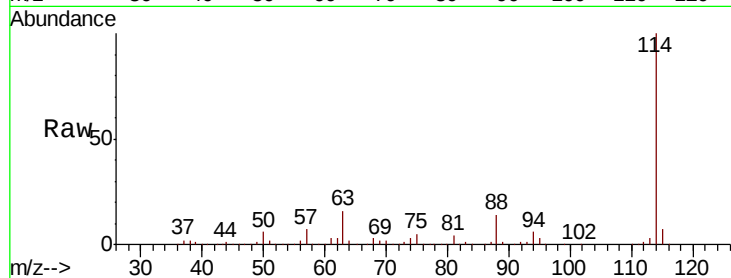




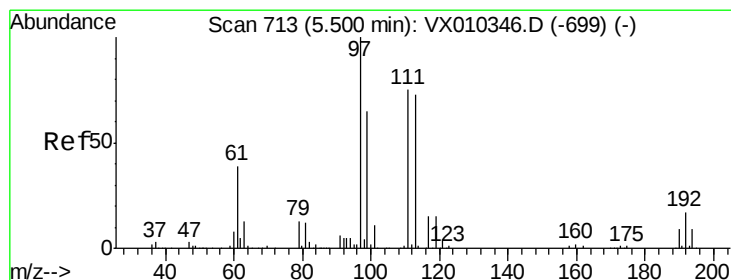
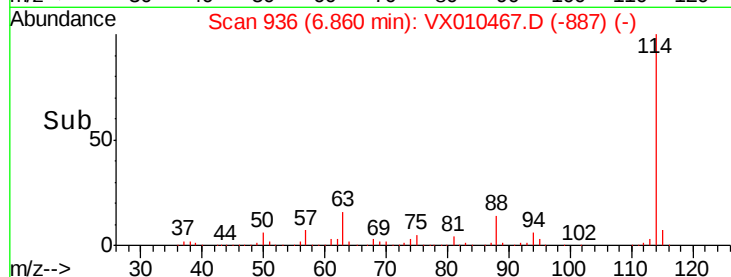
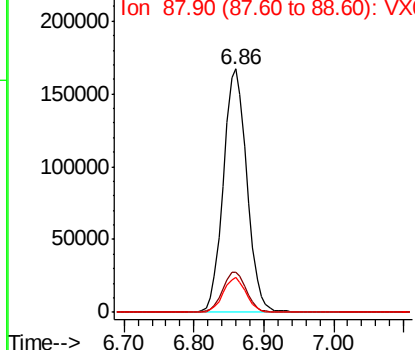
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.86 min Scan# 936
Delta R.T. -0.00 min
Lab File: VX010467.D
Acq: 26 Jun 2019 16:56

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:114 Resp: 390071
Ion Ratio Lower Upper
114 100
63 16.4 0.0 33.8
88 14.2 0.0 27.6

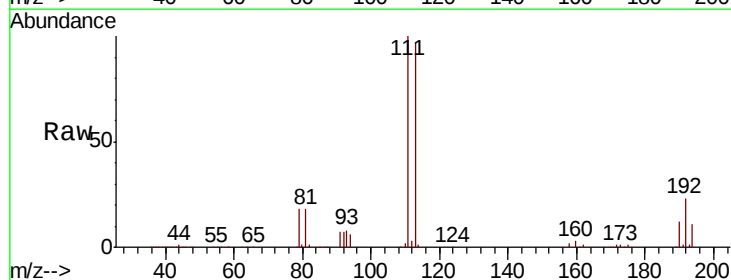


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VX0
Ion 87.90 (87.60 to 88.60): VX0

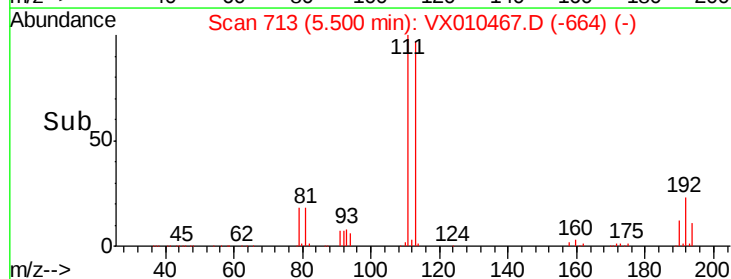
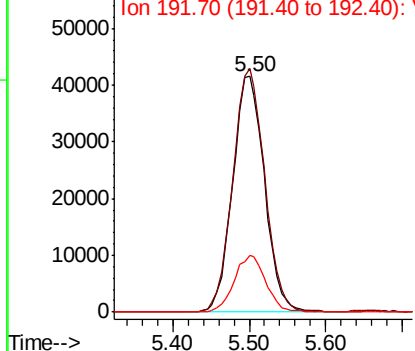


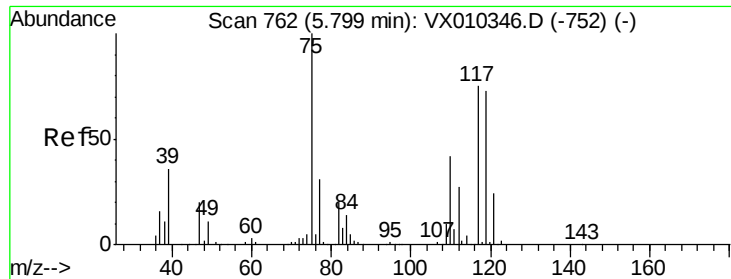
#35
Dibromofluoromethane
Concen: 50.224 ug/l
RT: 5.50 min Scan# 713
Delta R.T. -0.00 min
Lab File: VX010467.D
Acq: 26 Jun 2019 16:56

Tgt Ion:113 Resp: 119864
Ion Ratio Lower Upper
113 100
111 103.2 81.2 121.8
192 23.8 18.6 27.8



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: 5.031 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX010467.D

Acq: 26 Jun 2019 16:56

Instrument :

MSVOA_X

ClientSampleId :

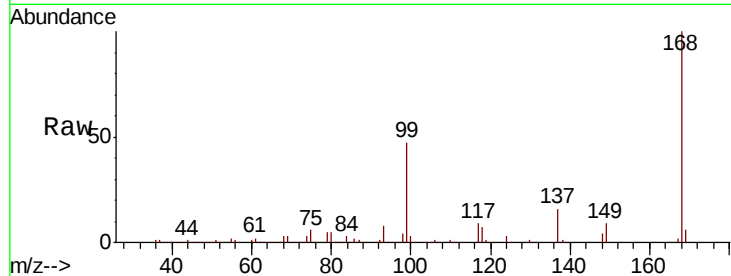
Tot Ion: 75 Resp: 15596

Ion Ratio Lower Upper

75 100

110 10.9 20.8 62.2#

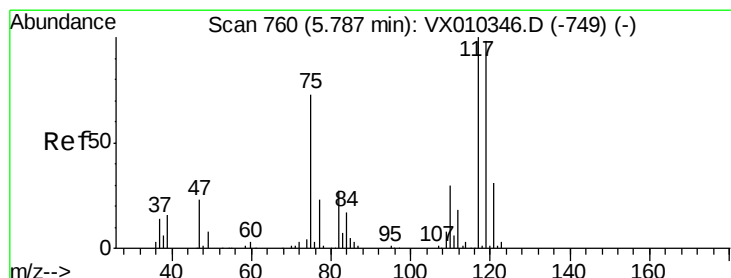
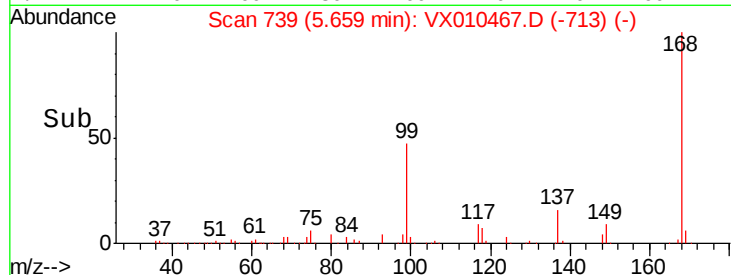
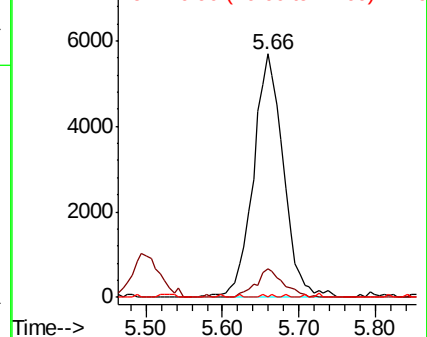
77 0.1 25.4 38.0#



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: 6.541 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.13 min

Lab File: VX010467.D

Acq: 26 Jun 2019 16:56

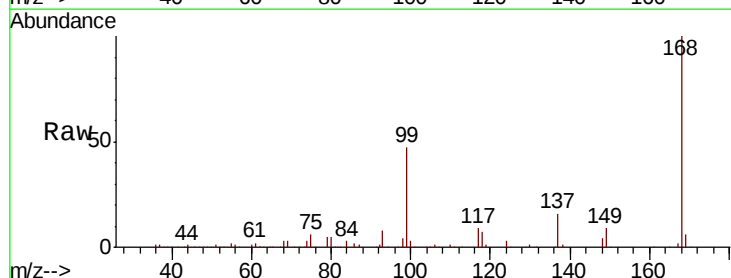
Tgt Ion: 117 Resp: 21954

Ion Ratio Lower Upper

117 100

119 5.9 78.2 117.4#

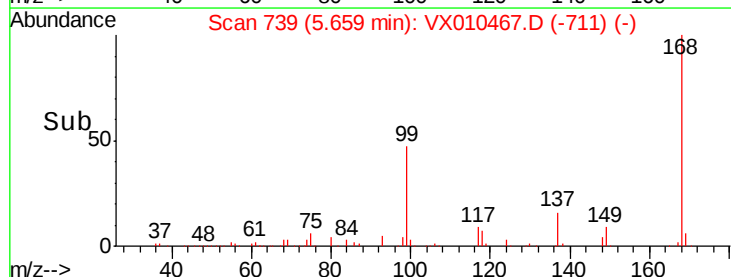
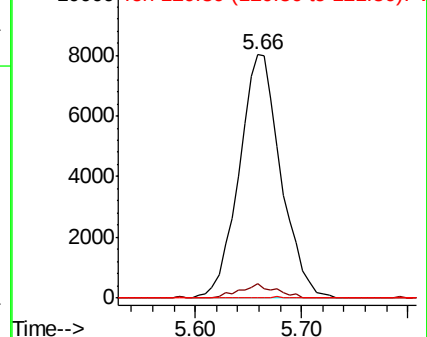
121 0.0 24.7 37.1#

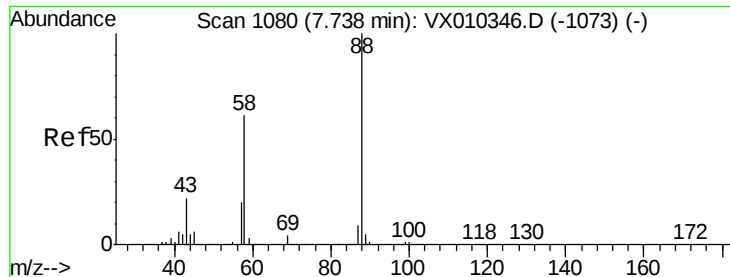


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

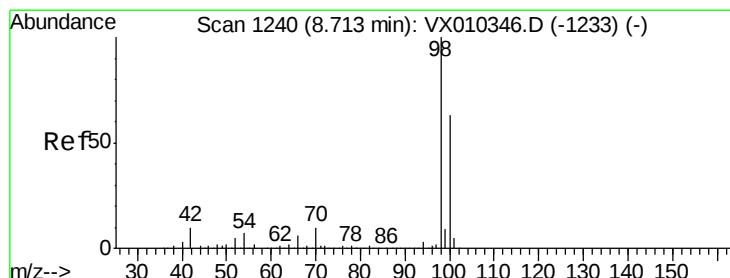
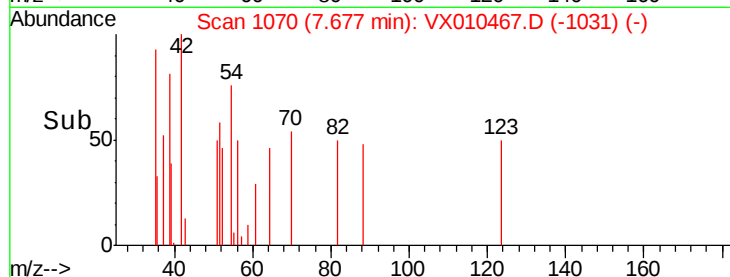
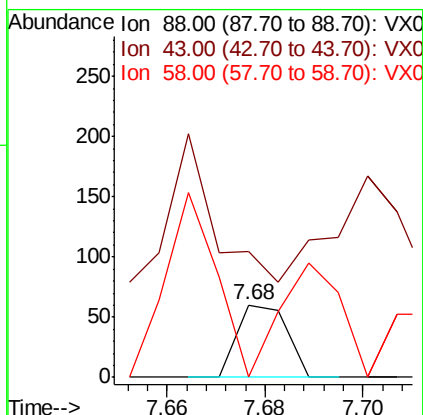
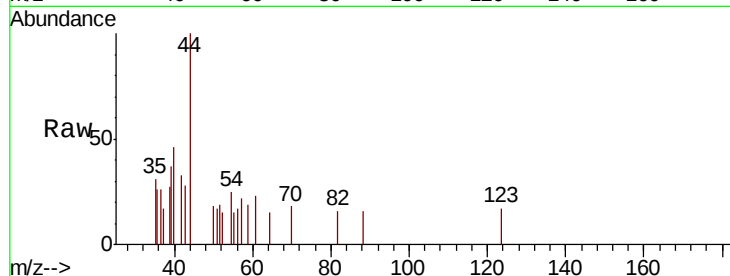




#49
1,4-Dioxane
Concen: 0.595 ug/l
RT: 7.68 min Scan# 1070
Delta R.T. -0.06 min
Lab File: VX010467.D
Acq: 26 Jun 2019 16:56

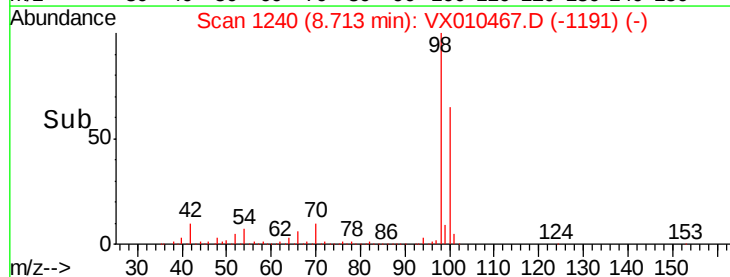
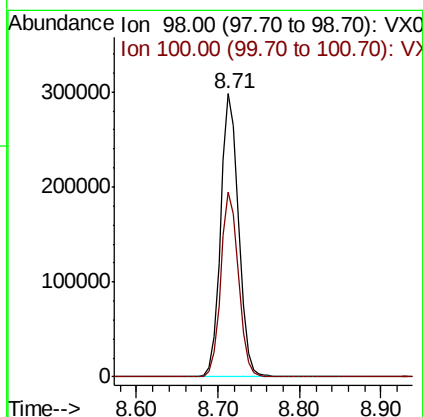
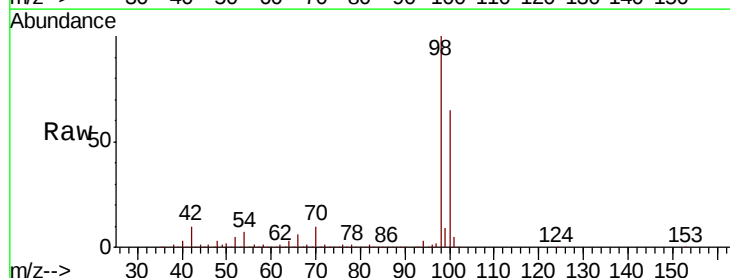
Instrument :
MSVOA_X
ClientSampled :

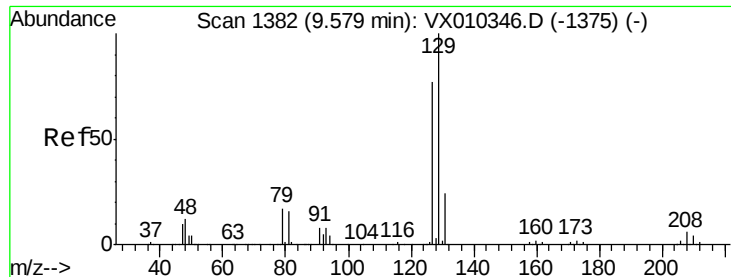
Tot Ion: 88 Resp: 42
Ion Ratio Lower Upper
88 100
43 171.4 20.2 30.2#
58 261.9 49.5 74.3#



#50
Toluene-d8
Concen: 50.033 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX010467.D
Acq: 26 Jun 2019 16:56

Tgt Ion: 98 Resp: 456830
Ion Ratio Lower Upper
98 100
100 64.6 51.6 77.4

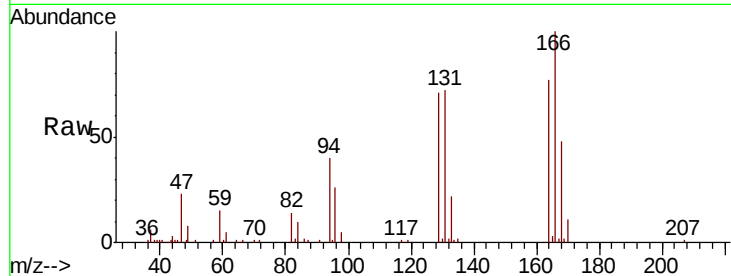




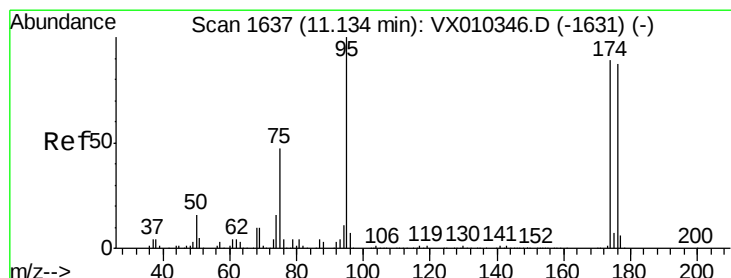
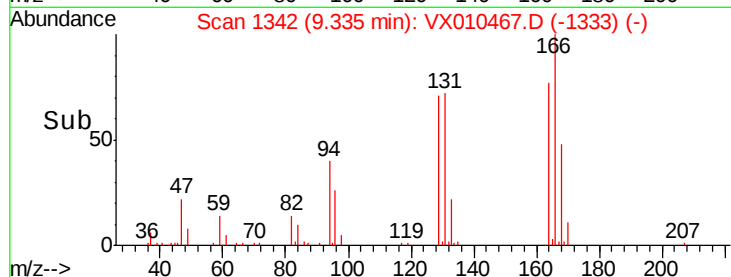
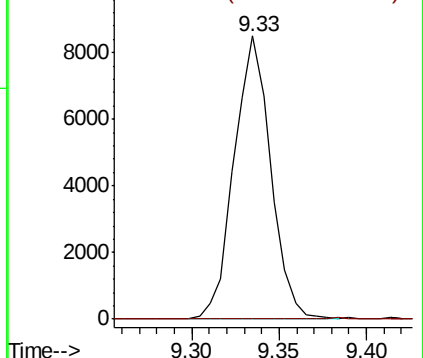
#60
Dibromochloromethane
Concen: 4.211 ug/l
RT: 9.33 min Scan# 1342
Delta R.T. -0.24 min
Lab File: VX010467.D
Acq: 26 Jun 2019 16:56

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:129 Resp: 12366
Ion Ratio Lower Upper
129 100
127 0.0 38.4 115.1#

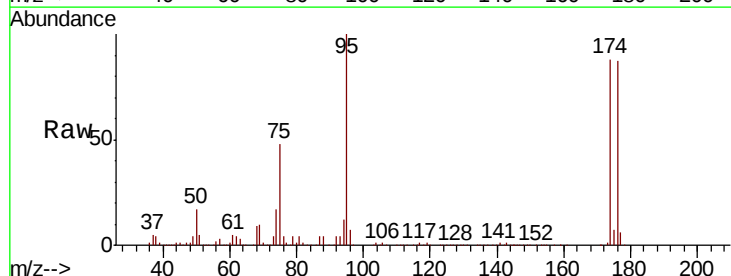


Abundance Ion 128.80 (128.50 to 129.50): V
Ion 126.80 (126.50 to 127.50): V

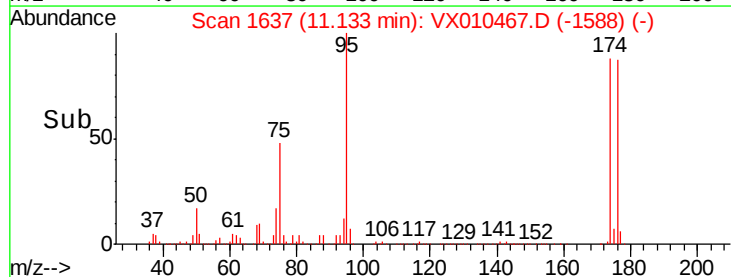
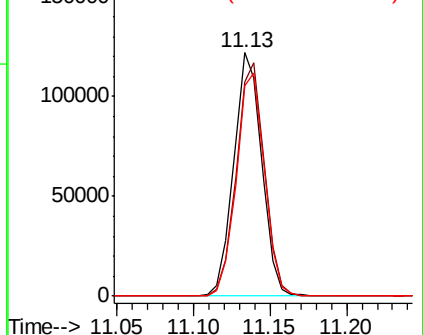


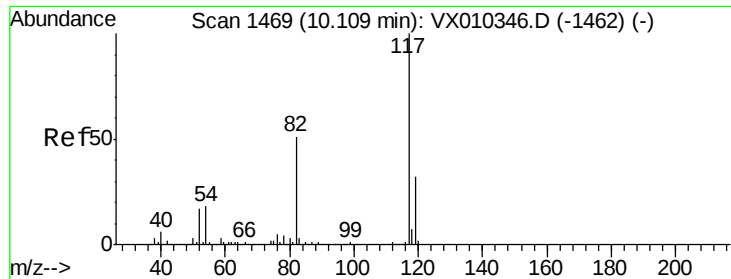
#62
4-Bromofluorobenzene
Concen: 46.756 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX010467.D
Acq: 26 Jun 2019 16:56

Tgt Ion: 95 Resp: 154128
Ion Ratio Lower Upper
95 100
174 96.2 0.0 187.6
176 92.5 0.0 184.0



Abundance Ion 94.90 (94.60 to 95.60): VX0
Ion 173.80 (173.50 to 174.50): V
Ion 175.80 (175.50 to 176.50): V

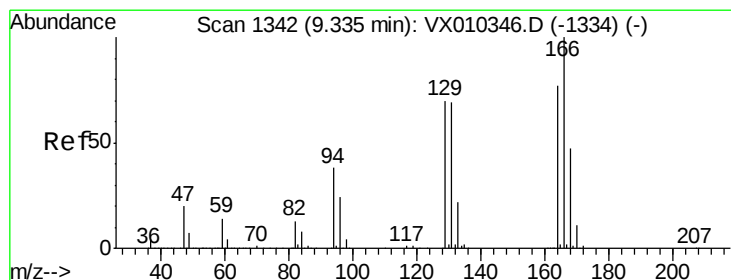
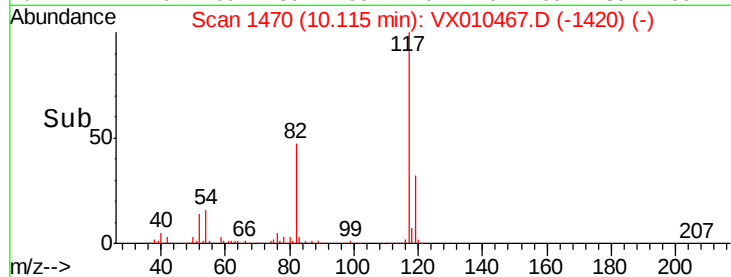
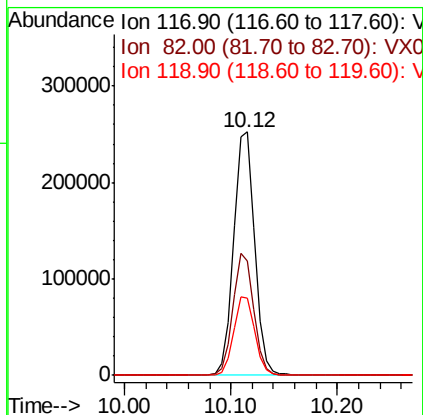
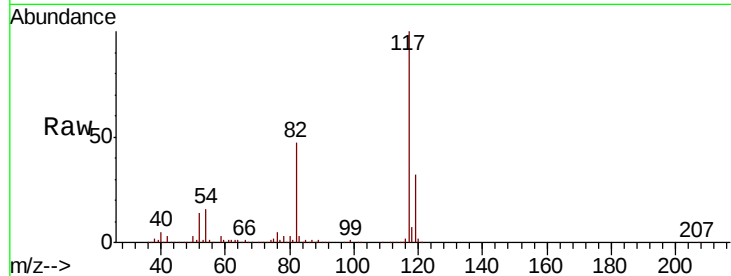




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VX010467.D
Acq: 26 Jun 2019 16:56

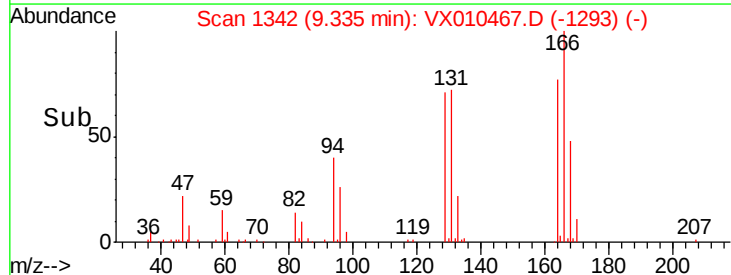
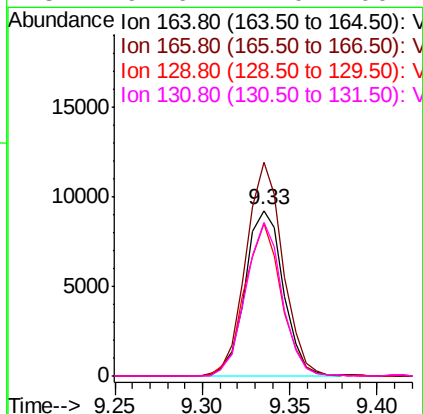
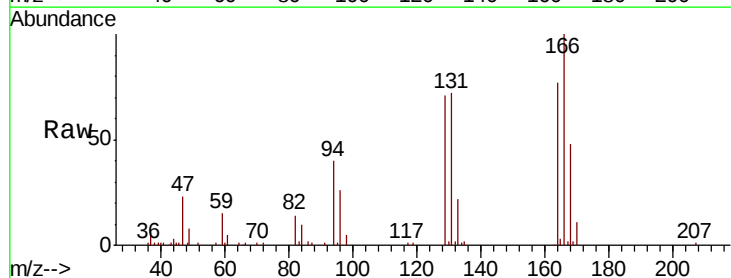
Instrument :
MSVOA_X
ClientSampleId :

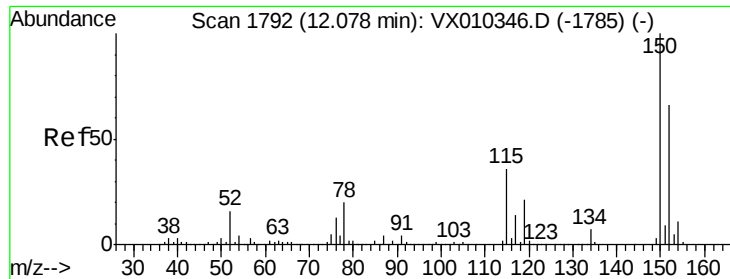
Tot Ion:117 Resp: 350870
Ion Ratio Lower Upper
117 100
82 47.2 41.2 61.8
119 31.8 25.5 38.3



#64
Tetrachloroethene
Concen: 4.945 ug/l
RT: 9.33 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX010467.D
Acq: 26 Jun 2019 16:56

Tgt Ion:164 Resp: 14034
Ion Ratio Lower Upper
164 100
166 129.2 103.6 155.4
129 92.0 73.0 109.4
131 92.6 71.0 106.4



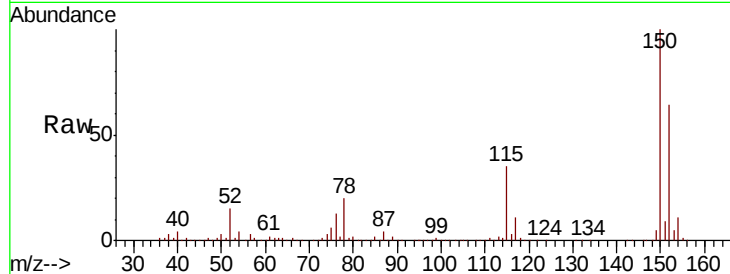


#72

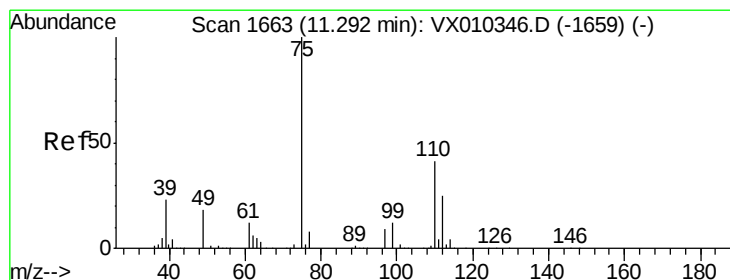
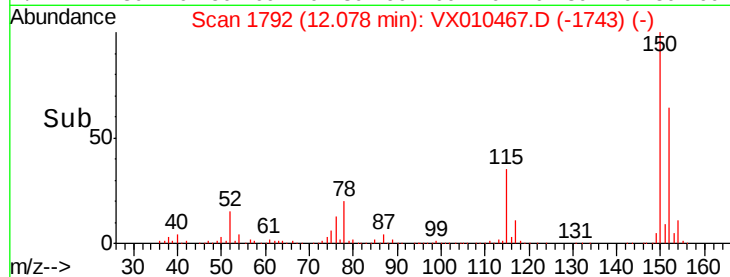
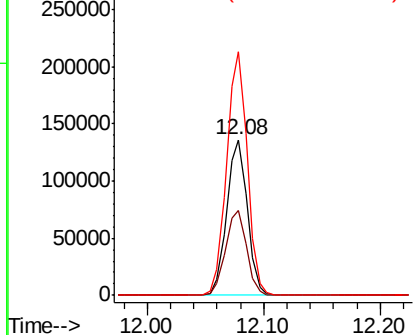
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX010467.D
Acq: 26 Jun 2019 16:56

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:152 Resp: 166407
Ion Ratio Lower Upper
152 100
115 55.3 38.6 115.7
150 157.1 0.0 347.4



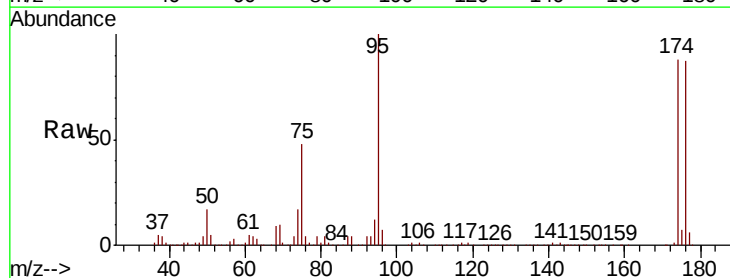
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



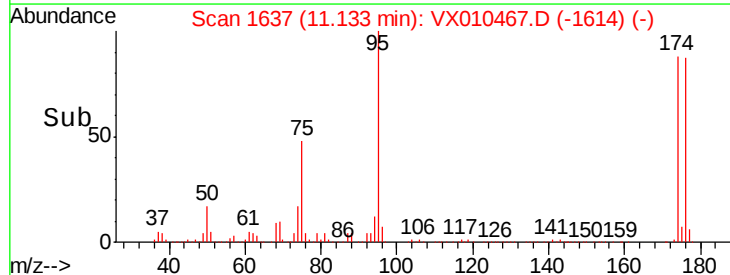
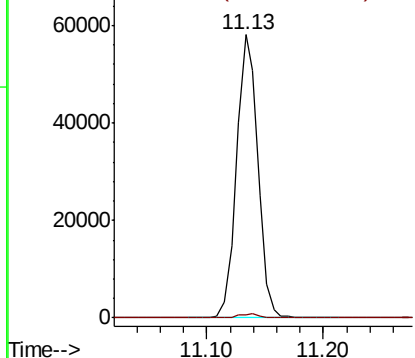
#76

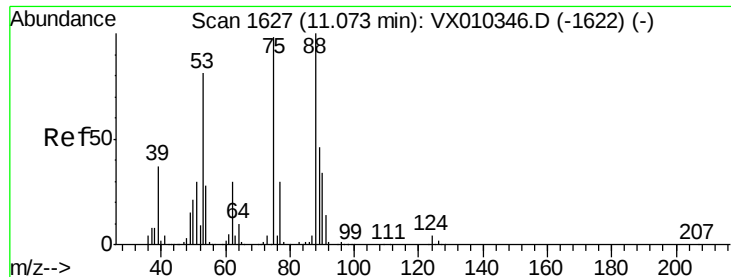
1,2,3-Trichloropropane
Concen: 24.503 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.16 min
Lab File: VX010467.D
Acq: 26 Jun 2019 16:56

Tgt Ion: 75 Resp: 74303
Ion Ratio Lower Upper
75 100
77 1.4 22.6 67.8#



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 77.00 (76.70 to 77.70): VX0

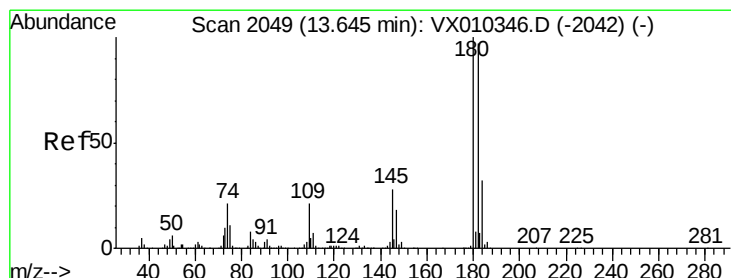
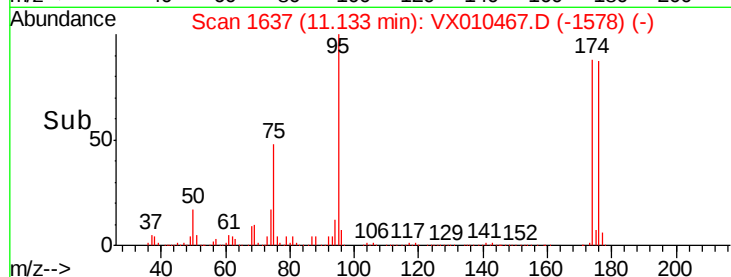
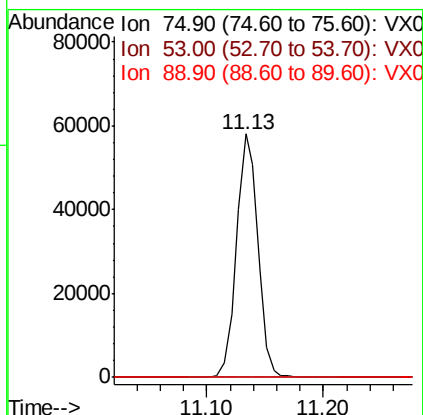
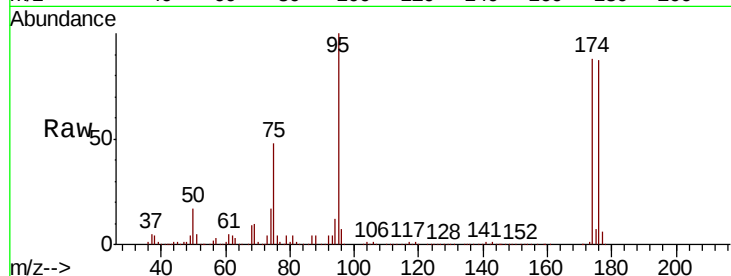




#81
trans-1,4-Dichloro-2-butene
Concen: 57.164 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.06 min
Lab File: VX010467.D
Acq: 26 Jun 2019 16:56

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 75 Resp: 74303
Ion Ratio Lower Upper
75 100
53 0.3 66.1 99.1#
89 0.1 37.8 56.6#



#93
1,2,4-Trichlorobenzene
Concen: 0.373 ug/l
RT: 13.64 min Scan# 2048
Delta R.T. -0.01 min
Lab File: VX010467.D
Acq: 26 Jun 2019 16:56

Tgt Ion:180 Resp: 1415
Ion Ratio Lower Upper
180 100
182 90.5 48.0 144.0
145 34.7 14.4 43.4

