

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX060519\
 Data File : VX010085.D
 Acq On : 05 Jun 2019 18:25
 Operator : JC/SP
 Sample : K3190-22 10X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 06 06:34:44 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X052819W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 29 04:00:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	171668	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	274691	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	249823	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	115947	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	112655	46.46	ug/l	0.00
Spiked Amount			Recovery	=	92.92%	
35) Dibromofluoromethane	5.49	113	81558	47.23	ug/l	0.00
Spiked Amount			Recovery	=	94.46%	
50) Toluene-d8	8.71	98	349375	49.82	ug/l	0.00
Spiked Amount			Recovery	=	99.64%	
62) 4-Bromofluorobenzene	11.13	95	119197	47.32	ug/l	0.00
Spiked Amount			Recovery	=	94.64%	

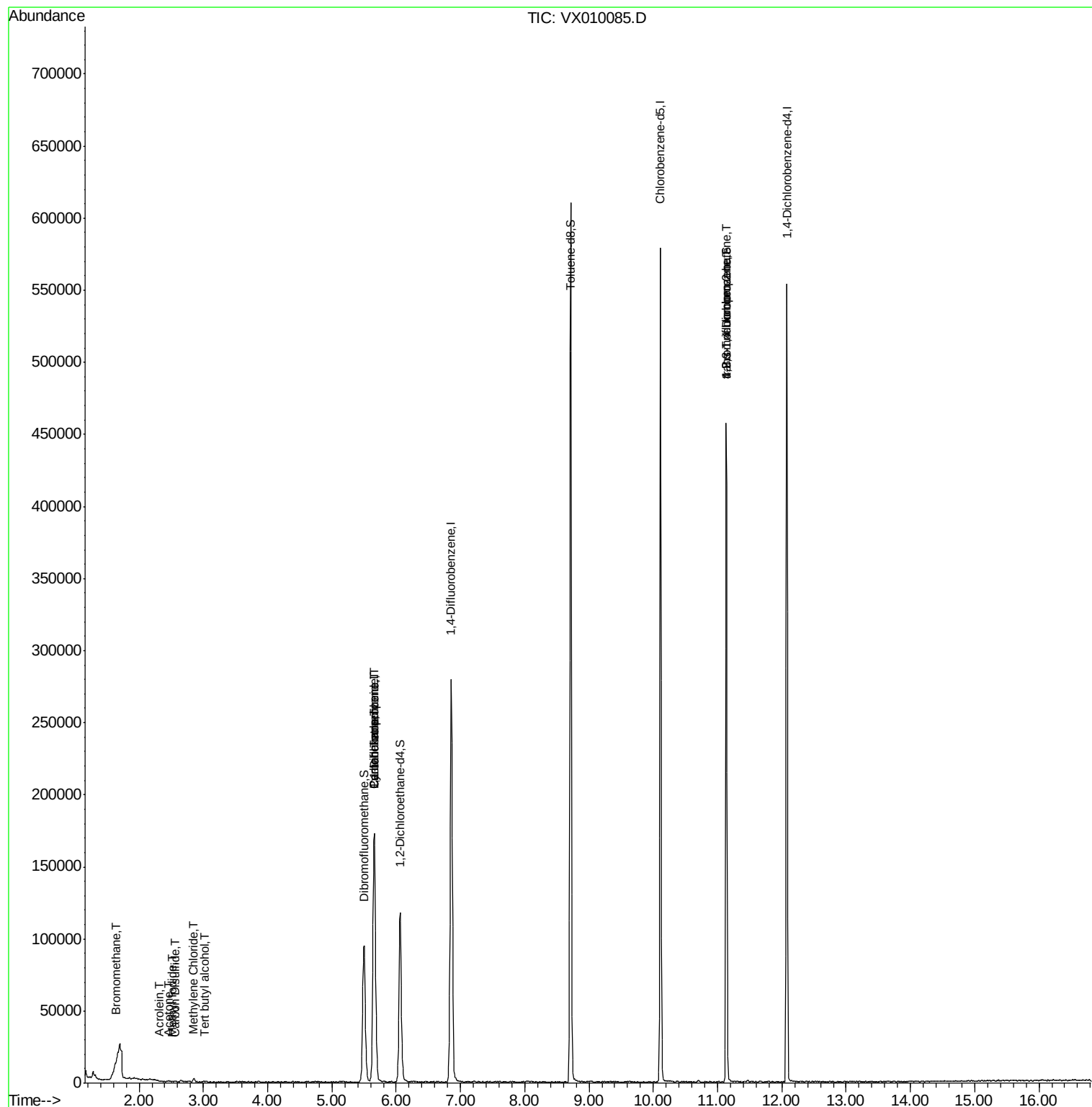
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	613	0.398	ug/l	90
10) Methyl Iodide	2.53	142	49	4.678	ug/l #	42
11) Tert butyl alcohol	3.02	59	332	0.556	ug/l #	73
13) Acrolein	2.32	56	22	21.145	ug/l #	14
16) Acetone	2.45	43	674	0.481	ug/l	95
17) Carbon Disulfide	2.56	76	295	0.440	ug/l #	76
20) Methylene Chloride	2.85	84	958	0.446	ug/l #	75
31) Cyclohexane	5.66	56	3822	1.036	ug/l #	1
36) 1,1-Dichloropropene	5.65	75	12930	4.639	ug/l #	51
38) Carbon Tetrachloride	5.65	117	15778	6.551	ug/l #	15
76) 1,2,3-Trichloropropane	11.13	75	61011	22.005	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	61011	54.443	ug/l #	10

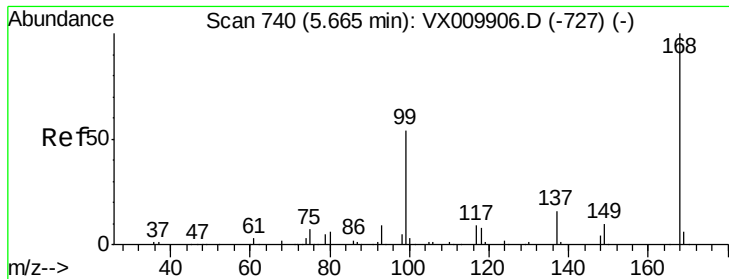
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X052819W.M
Quant Title : SW846 8260
QLast Update : Wed May 29 04:00:56 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: VX010085.D

Acq: 05 Jun 2019 18:25

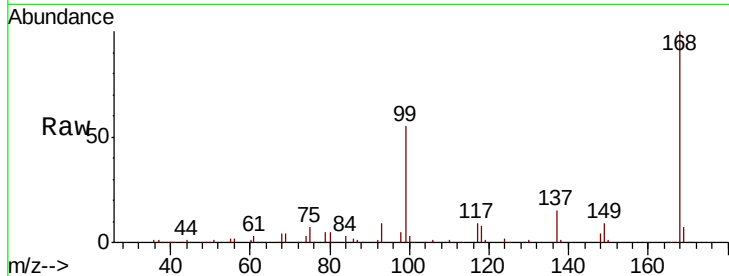
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:168 Resp: 171668

Ion Ratio Lower Upper

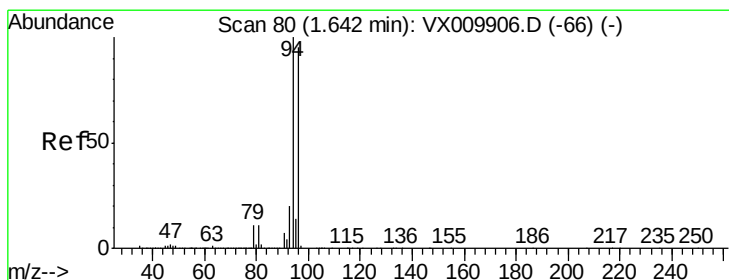
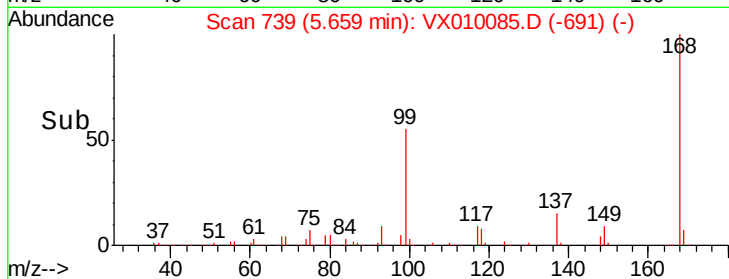
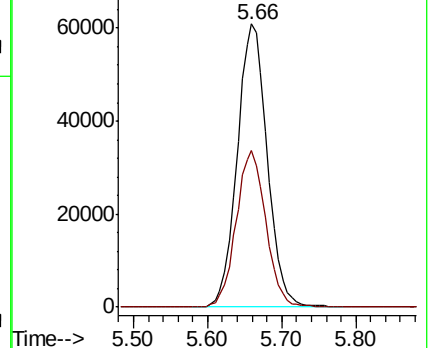
168 100

99 55.1 43.0 64.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#5

Bromomethane

Concen: 0.398 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.00 min

Lab File: VX010085.D

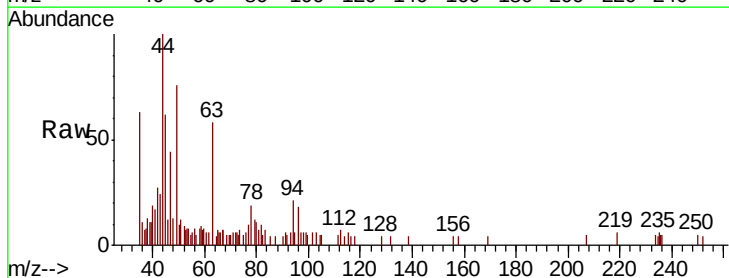
Acq: 05 Jun 2019 18:25

Tgt Ion: 94 Resp: 613

Ion Ratio Lower Upper

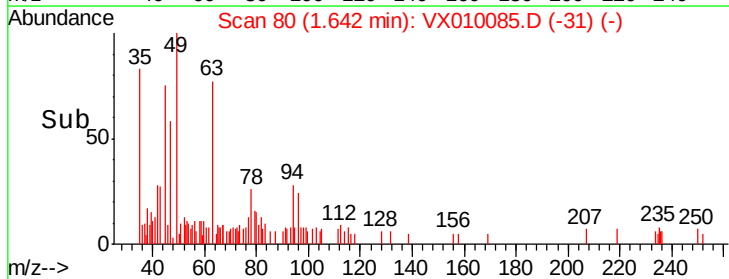
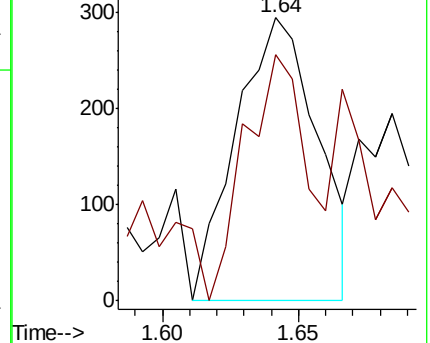
94 100

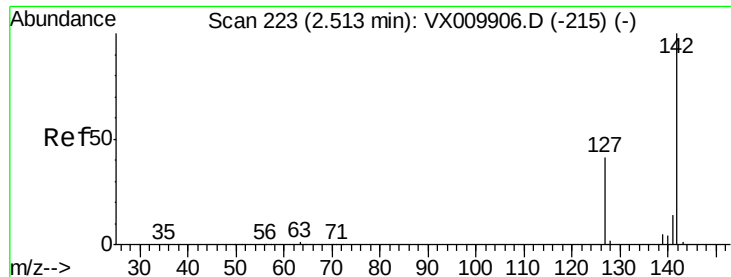
96 85.4 76.2 114.4



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

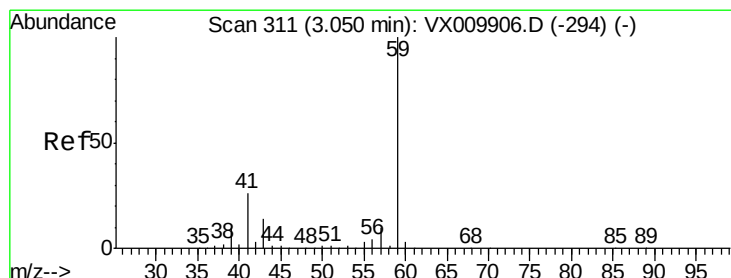
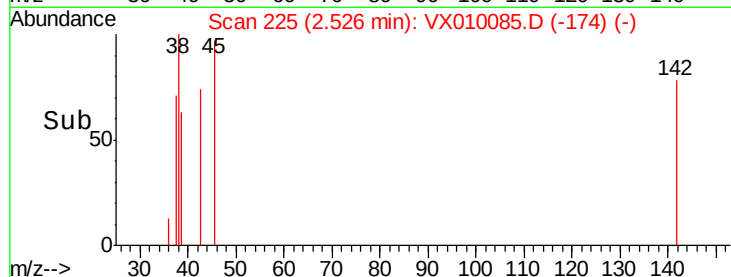
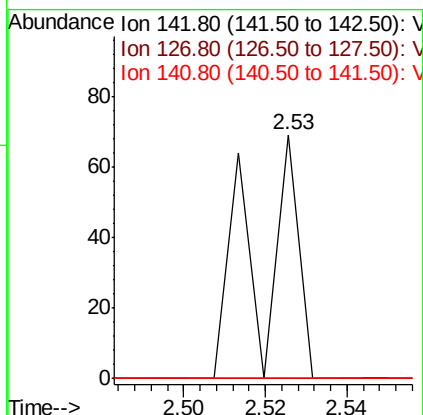
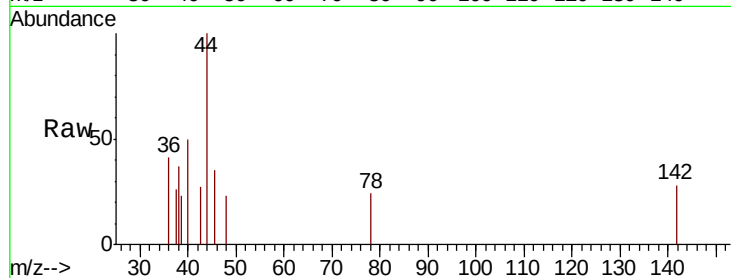




#10
Methvl Iodide
Concen: 4.678 ug/l
RT: 2.53 min Scan# 225
Delta R.T. 0.01 min
Lab File: VX010085.D
Acq: 05 Jun 2019 18:25

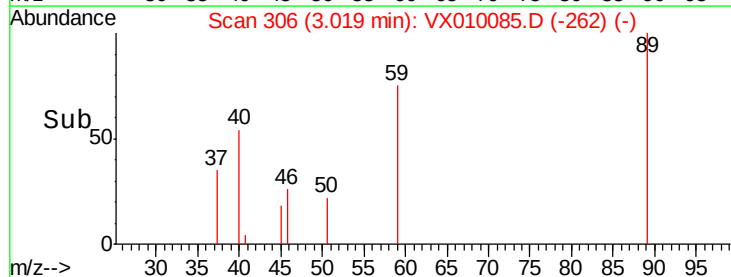
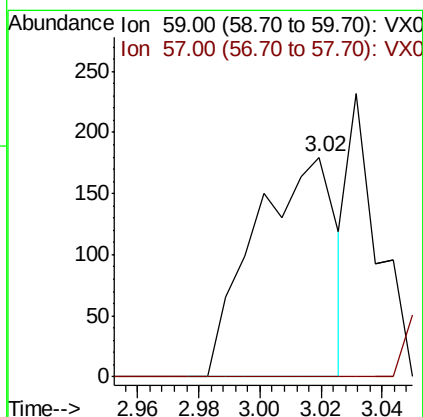
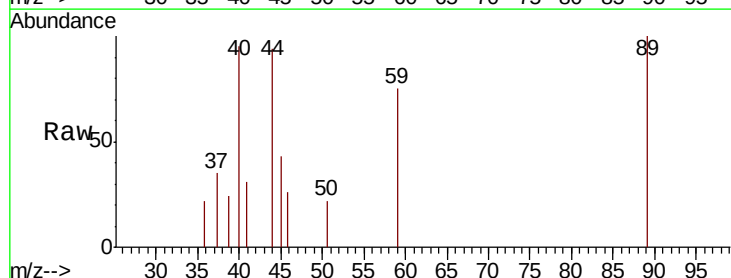
Instrument :
MSVOA_X
ClientSampleId :

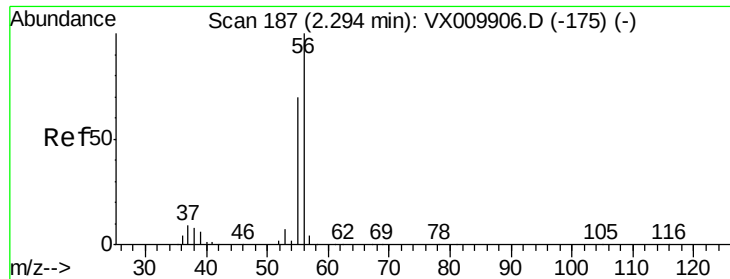
Tot Ion:142 Resp: 49
Ion Ratio Lower Upper
142 100
127 0.0 33.0 49.4#
141 0.0 11.4 17.0#



#11
Tert butyl alcohol
Concen: 0.556 ug/l
RT: 3.02 min Scan# 306
Delta R.T. -0.03 min
Lab File: VX010085.D
Acq: 05 Jun 2019 18:25

Tgt Ion: 59 Resp: 332
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#

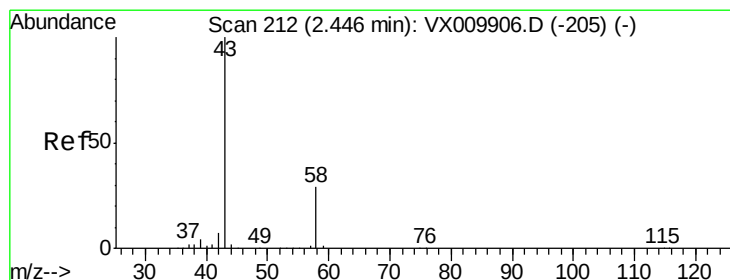
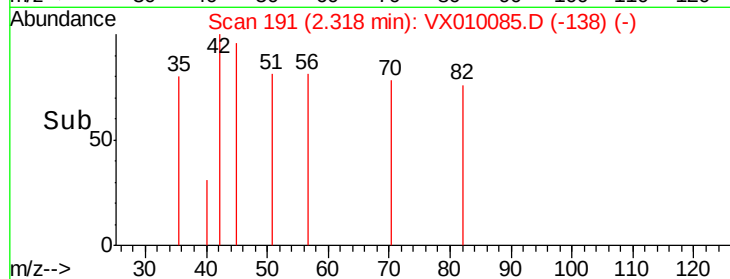
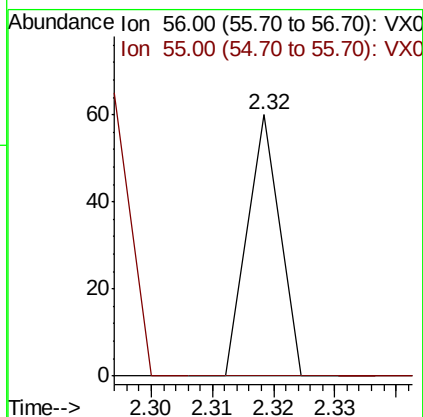
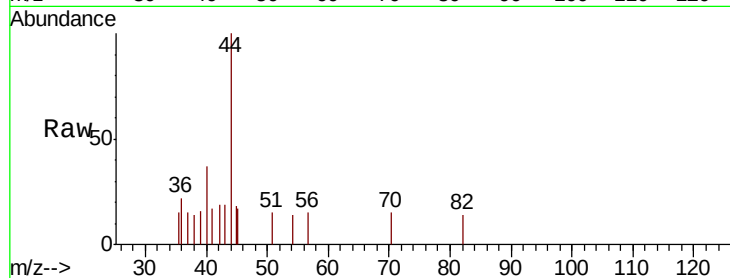




#13
Acrolein
Concen: 21.145 ug/l
RT: 2.32 min Scan# 191
Delta R.T. 0.03 min
Lab File: VX010085.D
Acq: 05 Jun 2019 18:25

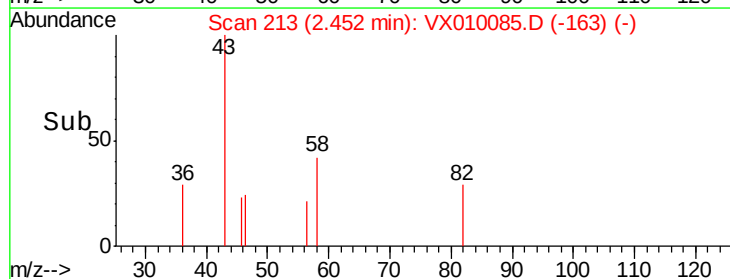
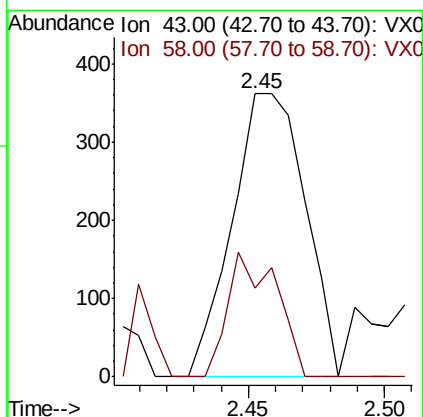
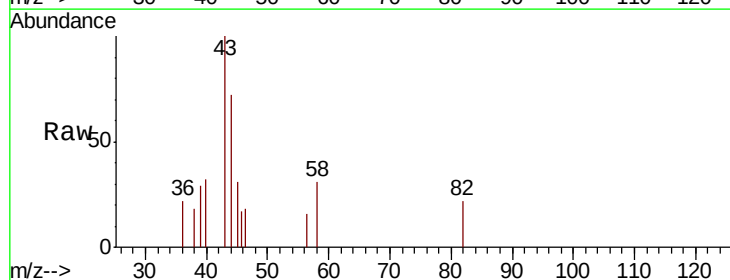
Instrument :
MSVOA_X
ClientSampled :

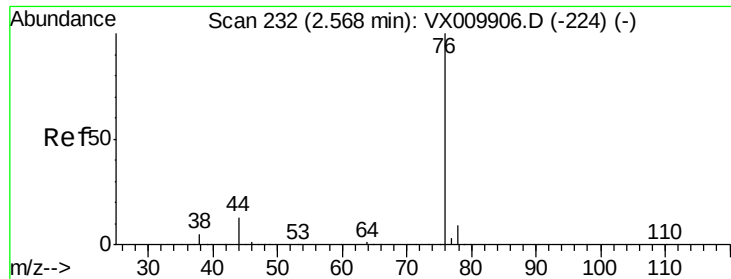
Tot Ion: 56 Resp: 22
Ion Ratio Lower Upper
56 100
55 0.0 57.0 85.4#



#16
Acetone
Concen: 0.481 ug/l
RT: 2.45 min Scan# 213
Delta R.T. 0.01 min
Lab File: VX010085.D
Acq: 05 Jun 2019 18:25

Tgt Ion: 43 Resp: 674
Ion Ratio Lower Upper
43 100
58 31.5 23.2 34.8





#17

Carbon Disulfide

Concen: 0.440 ug/l

RT: 2.56 min Scan# 230

Delta R.T. -0.01 min

Lab File: VX010085.D

Acq: 05 Jun 2019 18:25

Instrument :

MSVOA_X

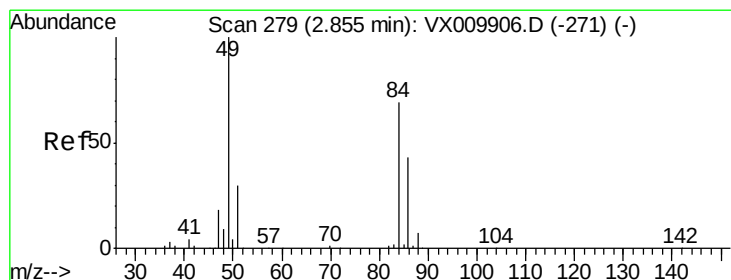
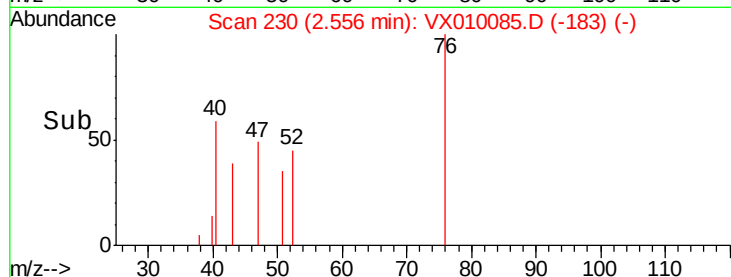
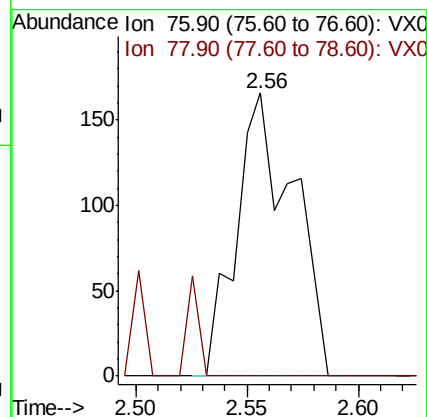
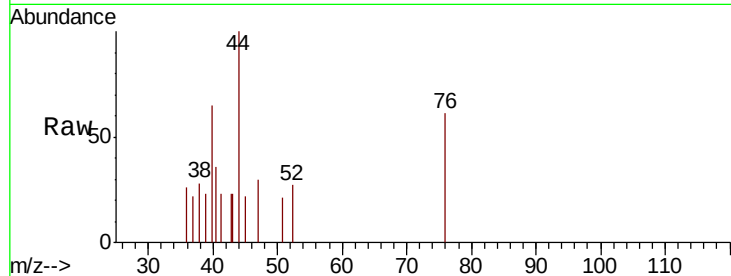
ClientSampleId :

Tot Ion: 76 Resp: 295

Ion Ratio Lower Upper

76 100

78 0.0 7.0 10.6#



#20

Methylene Chloride

Concen: 0.446 ug/l

RT: 2.85 min Scan# 279

Delta R.T. 0.00 min

Lab File: VX010085.D

Acq: 05 Jun 2019 18:25

Tgt Ion: 84 Resp: 958

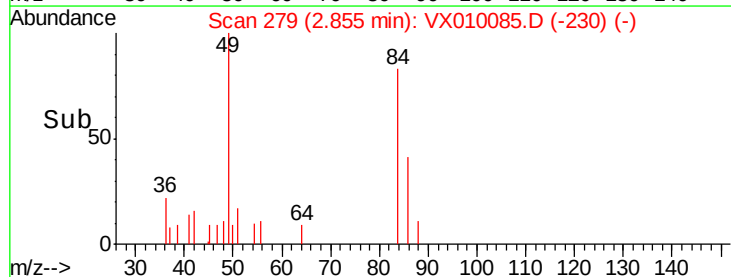
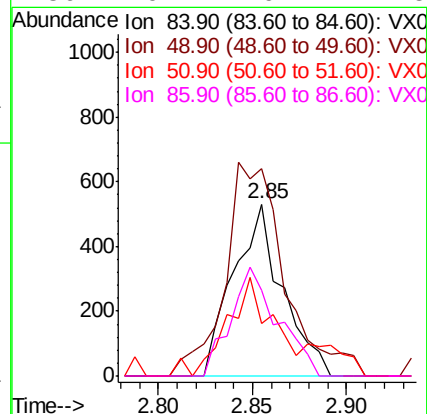
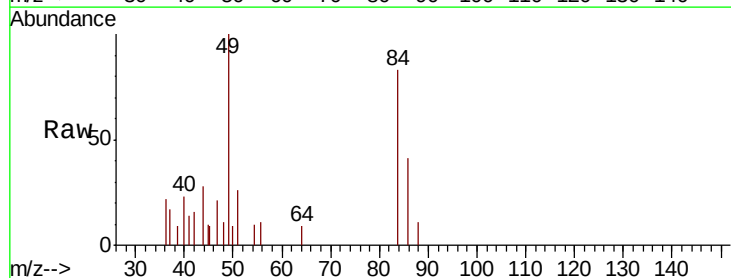
Ion Ratio Lower Upper

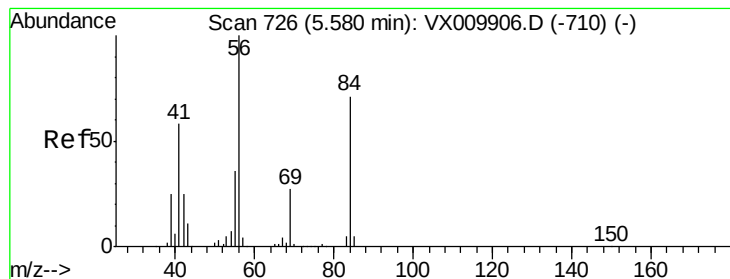
84 100

49 107.3 115.8 173.6#

51 30.9 34.4 51.6#

86 49.7 49.7 74.5





#31

Cyclohexane

Concen: 1.036 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.08 min

Lab File: VX010085.D

Acq: 05 Jun 2019 18:25

Instrument :
MSVOA_X
ClientSampleId :

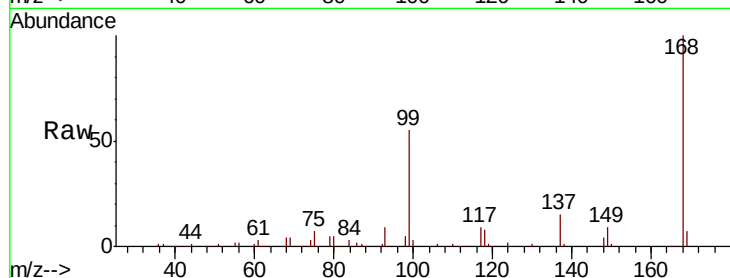
Tot Ion: 56 Resp: 3822

Ion Ratio Lower Upper

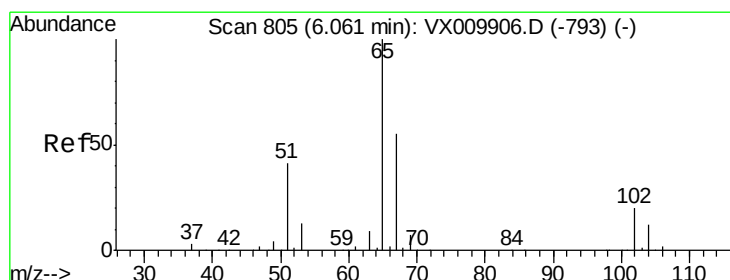
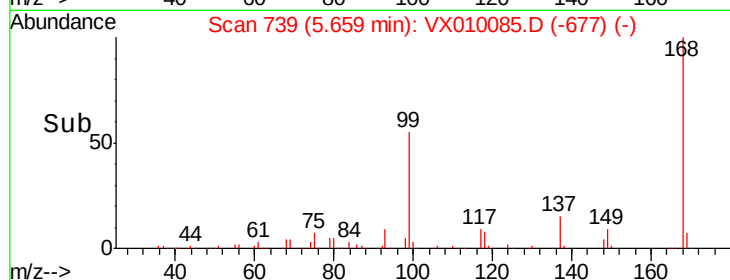
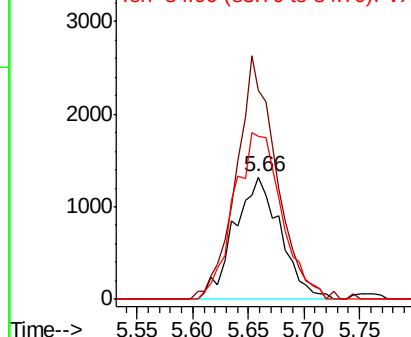
56 100

69 170.2 21.6 32.4#

84 132.8 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: 46.456 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX010085.D

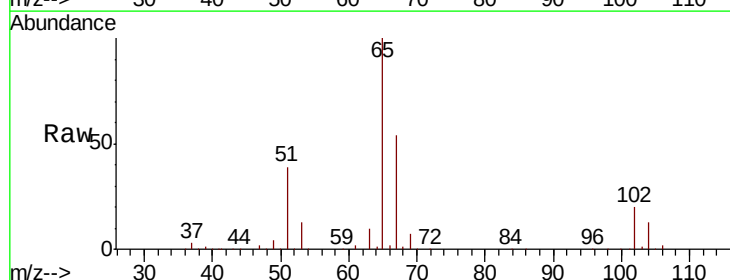
Acq: 05 Jun 2019 18:25

Tgt Ion: 65 Resp: 112655

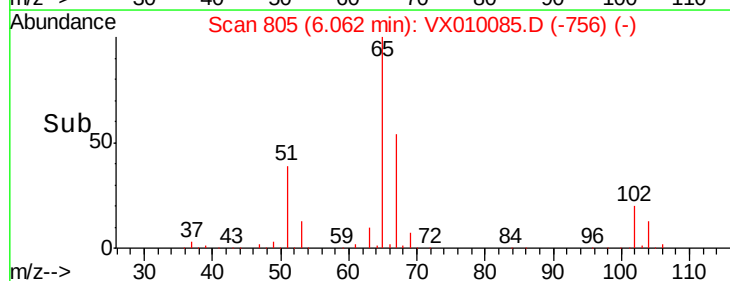
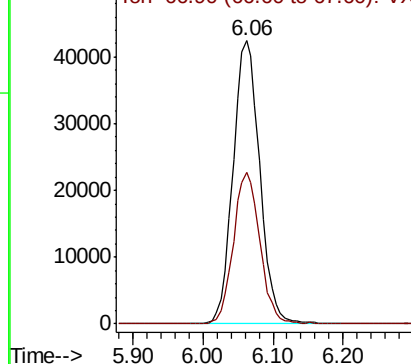
Ion Ratio Lower Upper

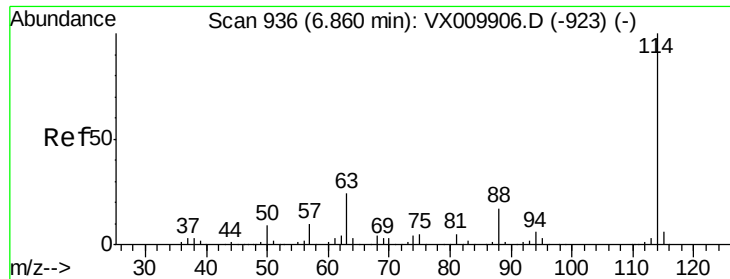
65 100

67 52.9 0.0 108.4



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

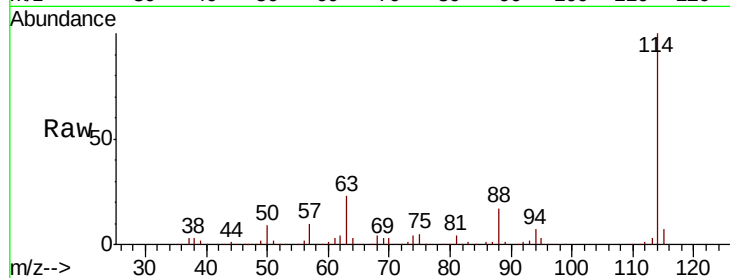




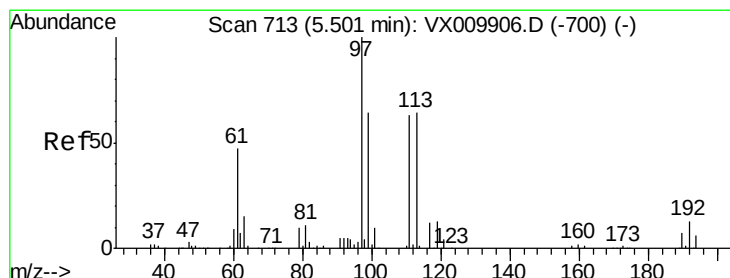
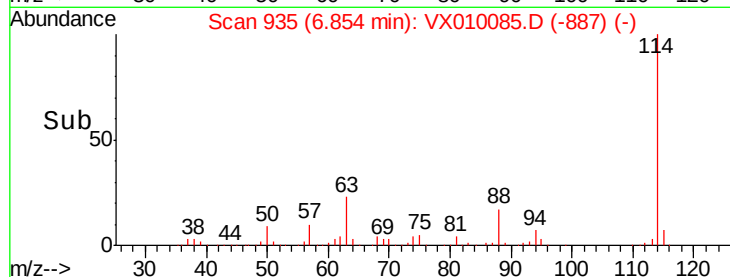
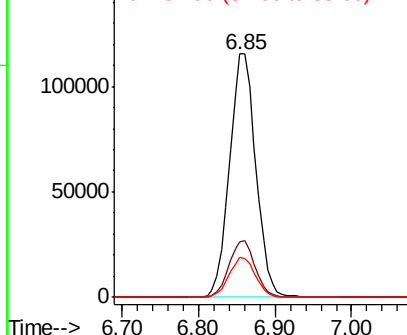
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.85 min Scan# 935
Delta R.T. -0.01 min
Lab File: VX010085.D
Acq: 05 Jun 2019 18:25

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:114 Resp: 274691
Ion Ratio Lower Upper
114 100
63 22.8 0.0 47.4
88 16.6 0.0 33.0

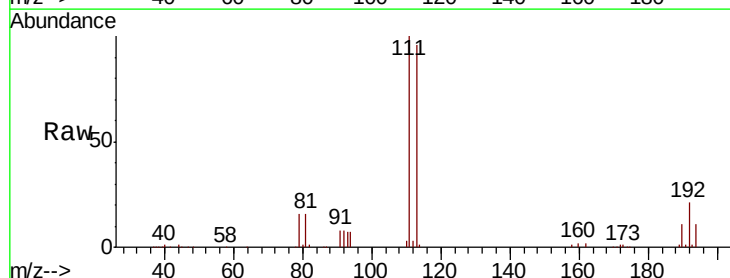


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VX0
Ion 87.90 (87.60 to 88.60): VX0

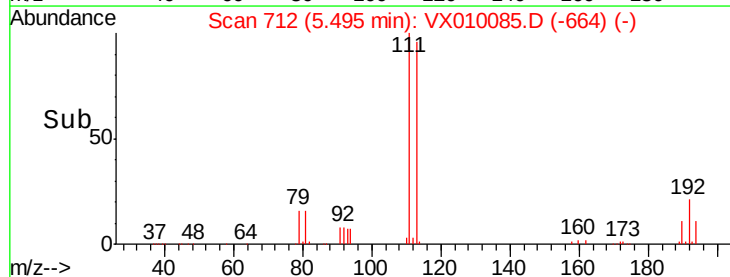
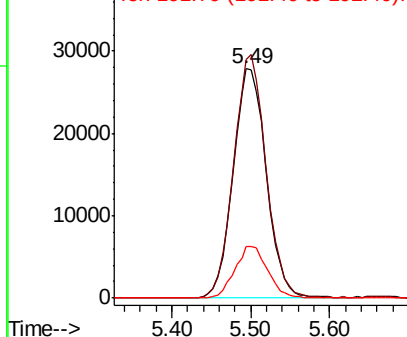


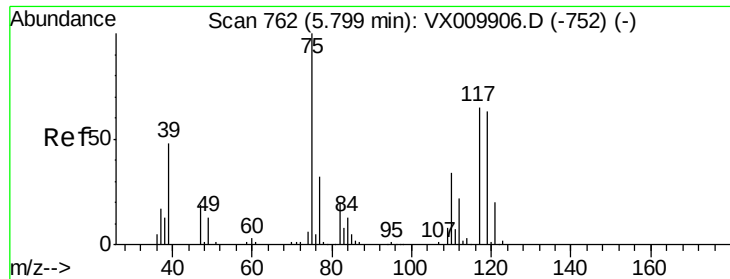
#35
Dibromofluoromethane
Concen: 47.226 ug/l
RT: 5.49 min Scan# 712
Delta R.T. -0.01 min
Lab File: VX010085.D
Acq: 05 Jun 2019 18:25

Tgt Ion:113 Resp: 81558
Ion Ratio Lower Upper
113 100
111 103.6 82.2 123.2
192 22.4 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: 4.639 ug/l

RT: 5.65 min Scan# 738

Delta R.T. -0.15 min

Lab File: VX010085.D

Acq: 05 Jun 2019 18:25

Instrument :

MSVOA_X

ClientSampleId :

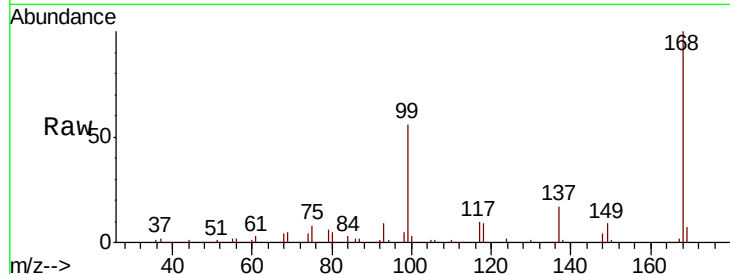
Tot Ion: 75 Resp: 12930

Ion Ratio Lower Upper

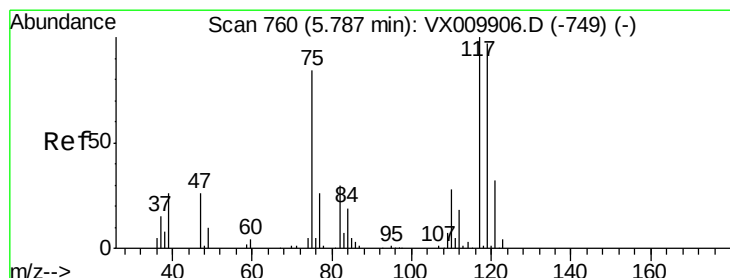
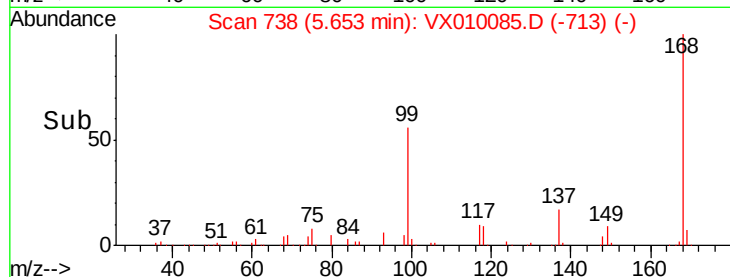
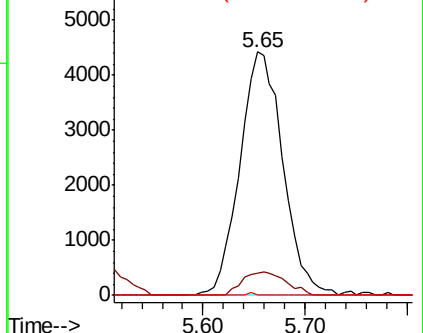
75 100

110 9.8 16.7 50.1#

77 0.2 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: 6.551 ug/l

RT: 5.65 min Scan# 738

Delta R.T. -0.13 min

Lab File: VX010085.D

Acq: 05 Jun 2019 18:25

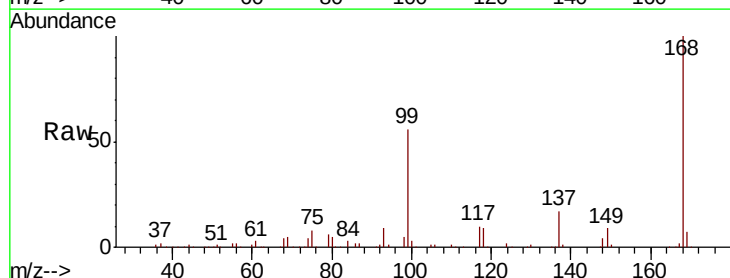
Tgt Ion: 117 Resp: 15778

Ion Ratio Lower Upper

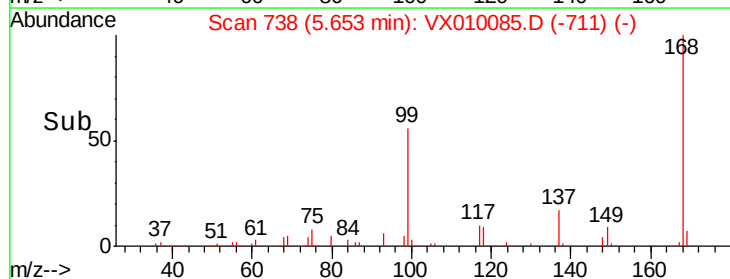
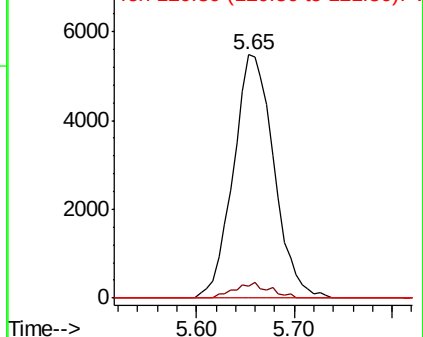
117 100

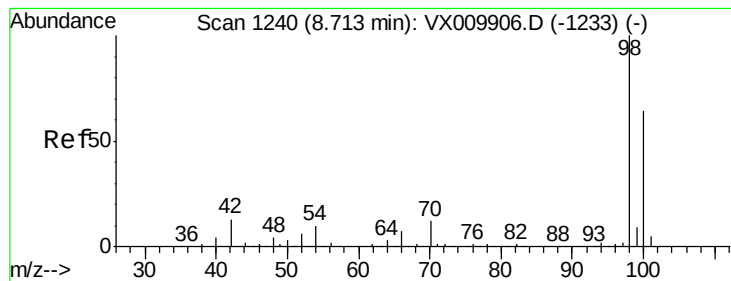
119 4.8 77.3 115.9#

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





#50

Toluene-d8

Concen: 49.819 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX010085.D

Acq: 05 Jun 2019 18:25

Instrument :

MSVOA_X

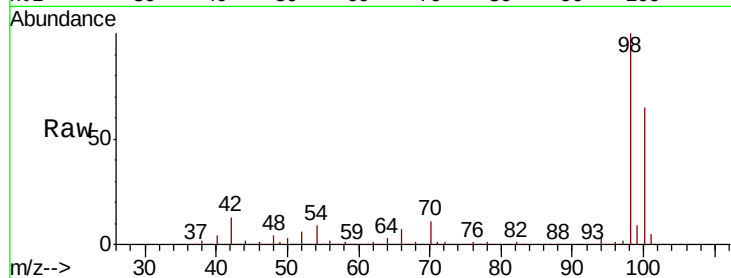
ClientSampleId :

Tot Ion: 98 Resp: 349375

Ion Ratio Lower Upper

98 100

100 64.2 51.5 77.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

250000

200000

150000

100000

50000

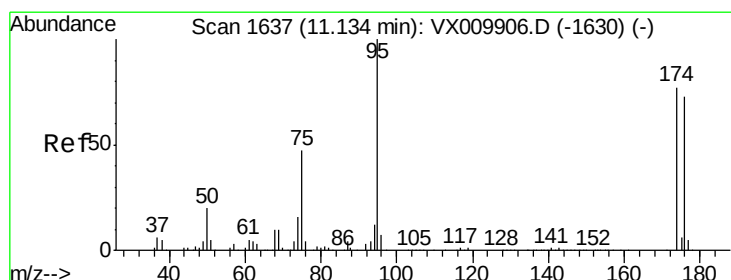
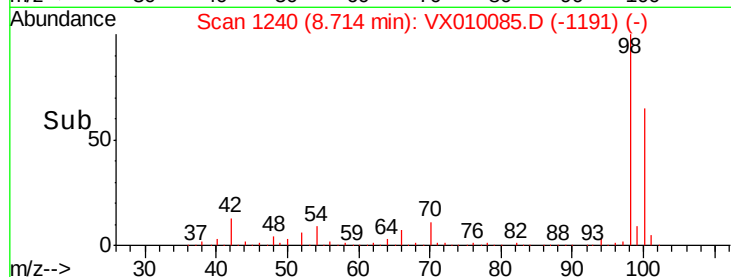
0

8.60

8.71

8.80

Time-->



#62

4-Bromofluorobenzene

Concen: 47.321 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX010085.D

Acq: 05 Jun 2019 18:25

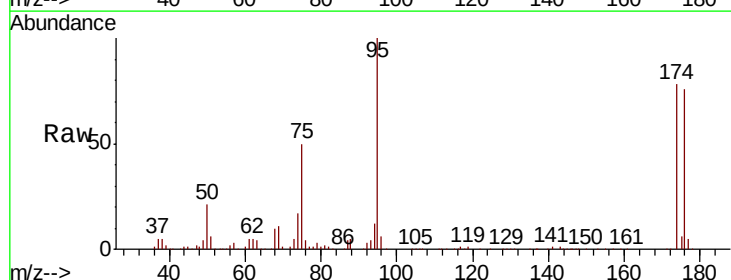
Tgt Ion: 95 Resp: 119197

Ion Ratio Lower Upper

95 100

174 83.7 0.0 160.4

176 81.4 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

120000

100000

80000

60000

40000

20000

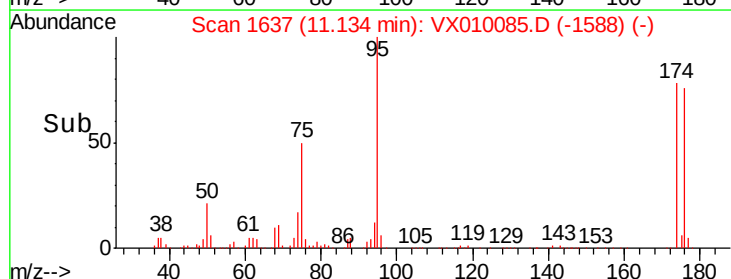
0

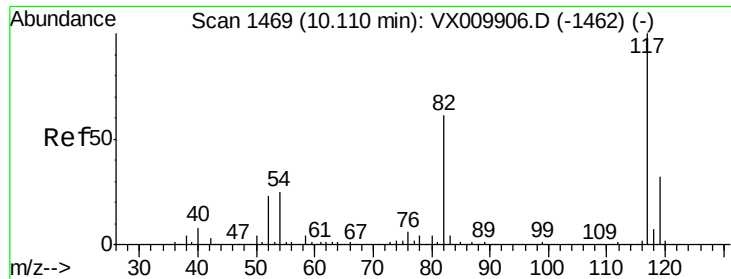
11.10

11.13

11.20

Time-->

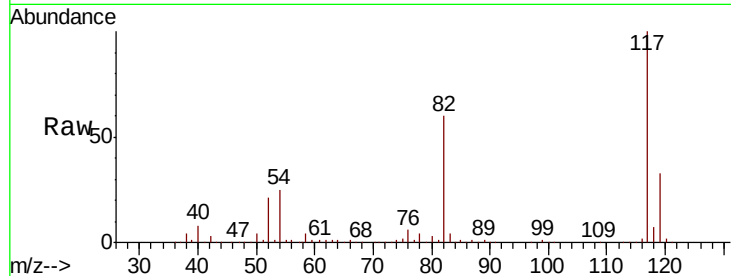




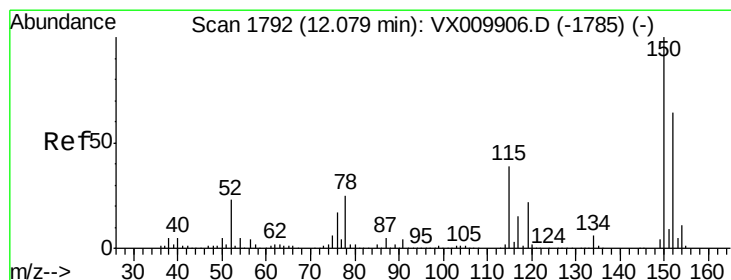
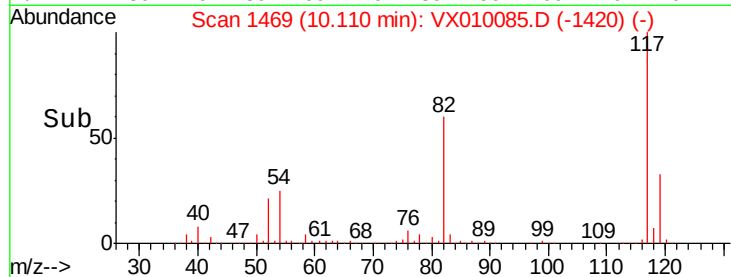
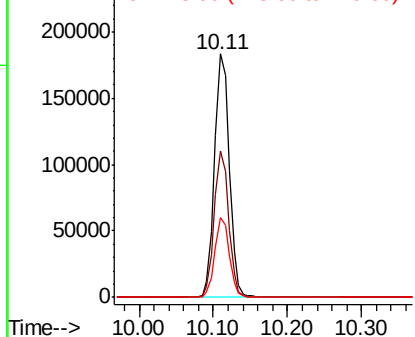
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX010085.D
Acq: 05 Jun 2019 18:25

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:117 Resp: 249823
Ion Ratio Lower Upper
117 100
82 60.0 49.2 73.8
119 33.0 25.2 37.8

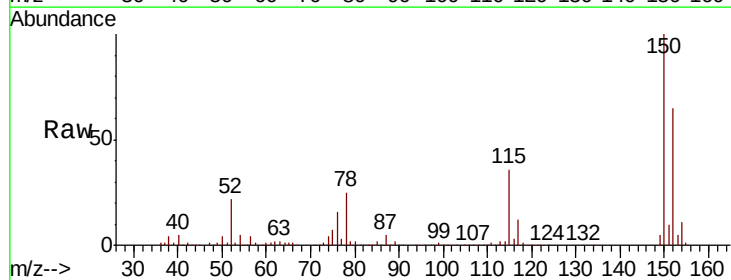


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

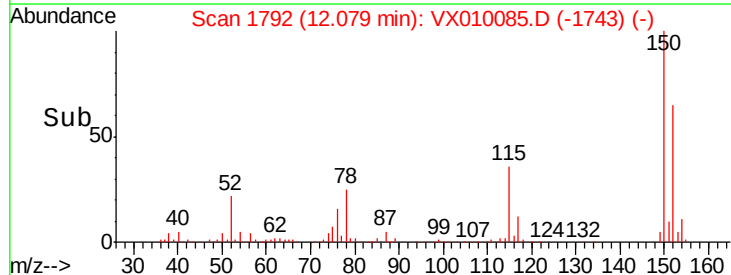
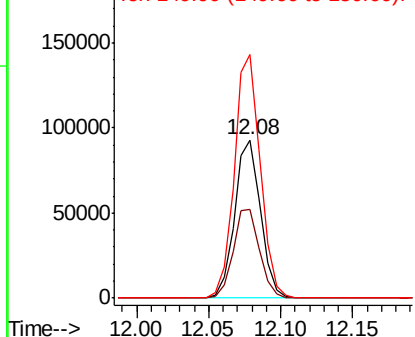


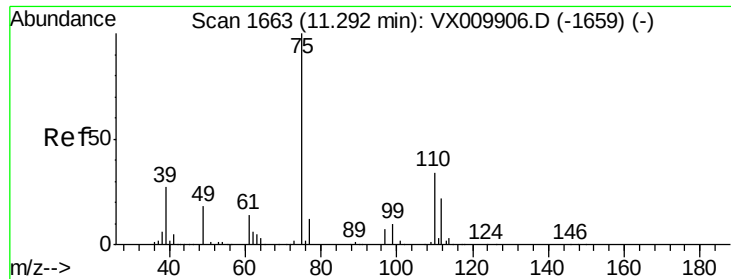
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX010085.D
Acq: 05 Jun 2019 18:25

Tgt Ion:152 Resp: 115947
Ion Ratio Lower Upper
152 100
115 57.7 41.4 124.2
150 155.1 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



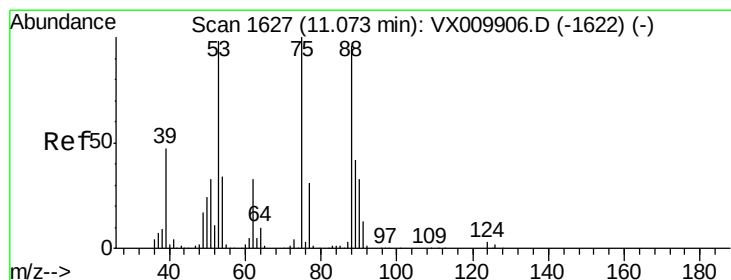
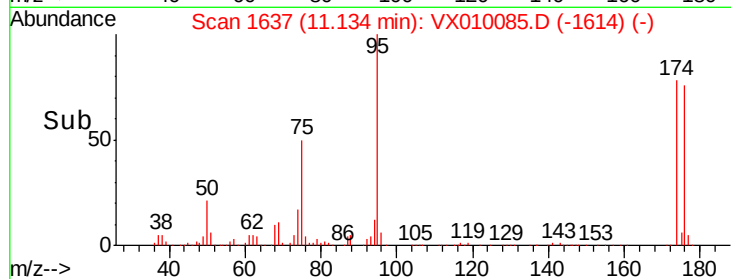
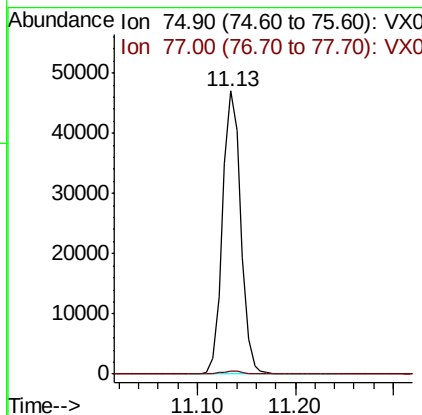
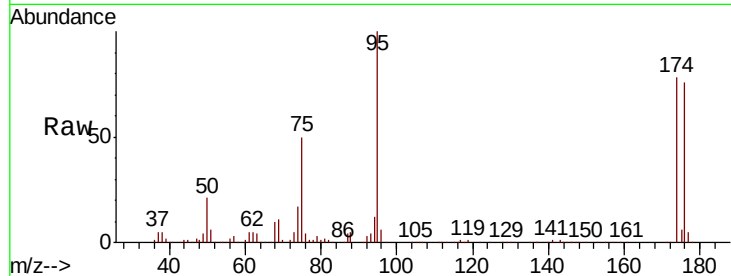


#76

1,2,3-Trichloropropane
Concen: 22.005 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.16 min
Lab File: VX010085.D
Acq: 05 Jun 2019 18:25

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 75 Resp: 61011
Ion Ratio Lower Upper
75 100
77 1.2 22.1 66.1#



#81

trans-1,4-Dichloro-2-butene
Concen: 54.443 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.06 min
Lab File: VX010085.D
Acq: 05 Jun 2019 18:25

Tgt Ion: 75 Resp: 61011
Ion Ratio Lower Upper
75 100
53 0.2 79.8 119.6#
89 0.0 34.2 51.4#

