

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX060519\
 Data File : VX010075.D
 Acq On : 05 Jun 2019 14:31
 Operator : JC/SP
 Sample : K3190-06
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 06 06:32:26 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	5.67	168	178102	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	285677	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	257516	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	112030	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	118061	46.93	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.86%	
35) Dibromofluoromethane	5.50	113	87770	48.87	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.74%	
50) Toluene-d8	8.71	98	361206	49.53	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.06%	
62) 4-Bromofluorobenzene	11.13	95	120143	45.86	ug/l	0.00
Spiked Amount 50.000			Recovery	=	91.72%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	345	0.216	ug/l #	70
10) Methyl Iodide	2.53	142	112	4.703	ug/l #	42
11) Tert butyl alcohol	3.01	59	2330	3.763	ug/l #	77
13) Acrolein	2.29	56	68	21.239	ug/l #	1
16) Acetone	2.45	43	2503	1.722	ug/l #	85
17) Carbon Disulfide	2.57	76	532	0.481	ug/l #	76
25) 2-Butanone	4.68	43	460	0.203	ug/l #	54
31) Cyclohexane	5.66	56	3887	1.015	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	13722	4.734	ug/l #	50
38) Carbon Tetrachloride	5.66	117	17018	6.794	ug/l #	16
44) Trichloroethene	7.21	130	1791	0.858	ug/l	92
76) 1,2,3-Trichloropropane	11.13	75	62636	23.380	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.13	75	62636	57.847	ug/l #	10

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX010075.D

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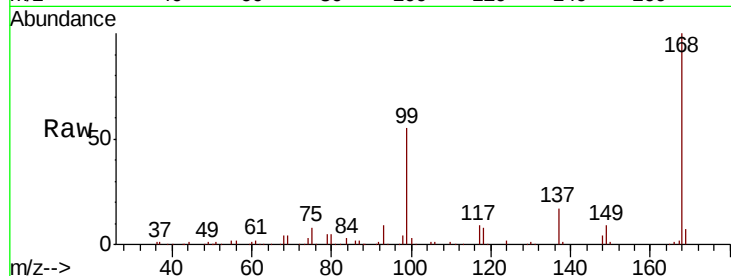
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:168 Resp: 178102

Ion Ratio Lower Upper

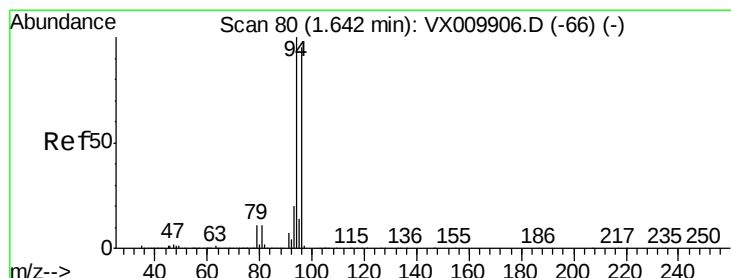
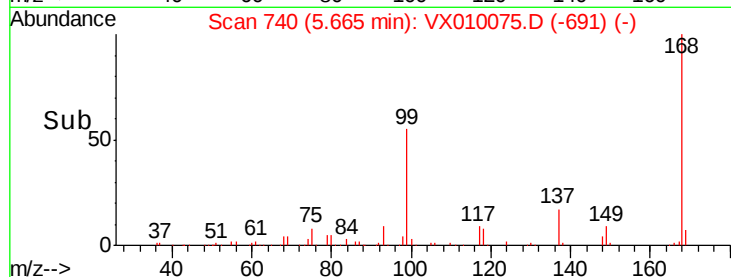
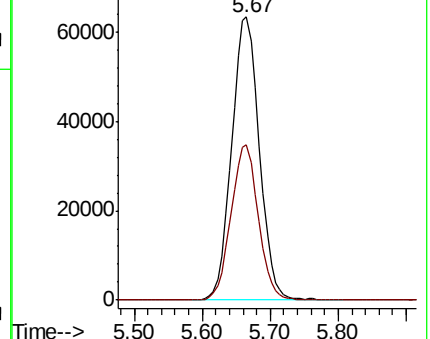
168 100

99 54.8 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: 0.216 ug/l

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX010075.D

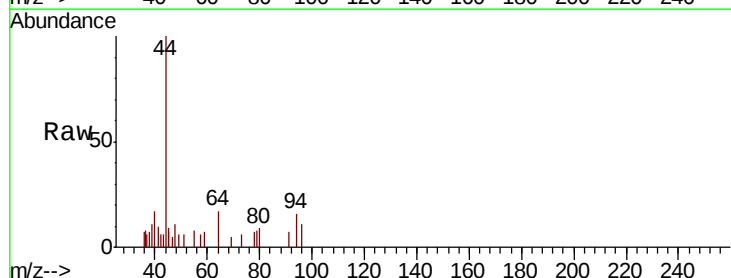
Acq: 05 Jun 2019 14:31

Tgt Ion: 94 Resp: 345

Ion Ratio Lower Upper

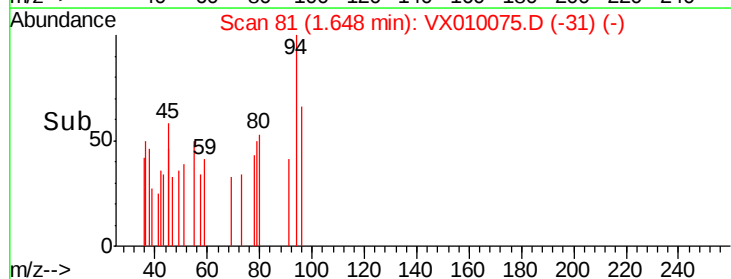
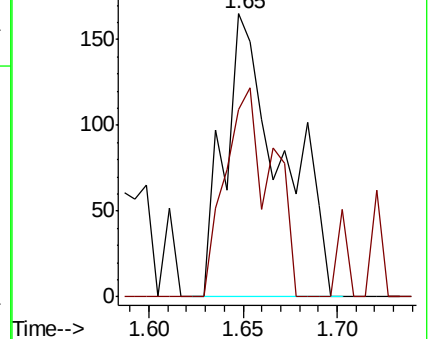
94 100

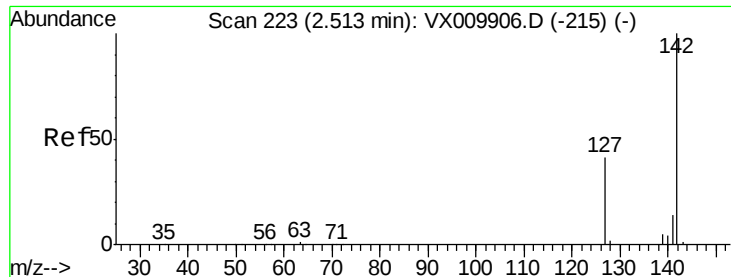
96 66.1 76.2 114.4#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

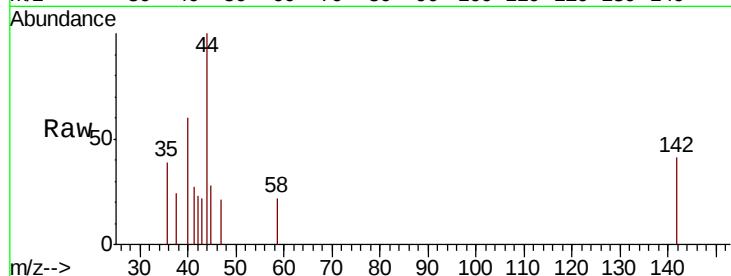




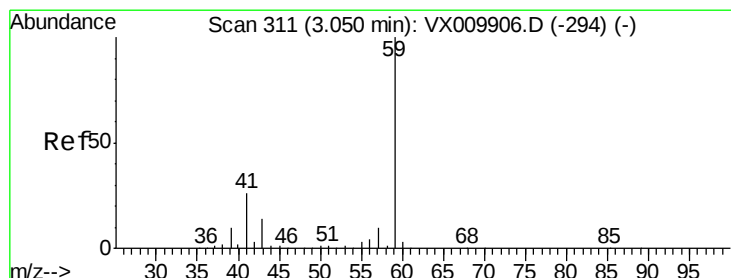
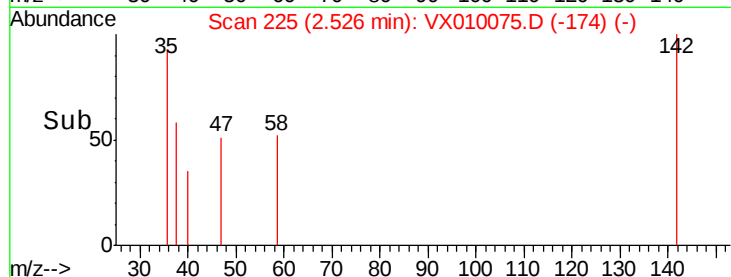
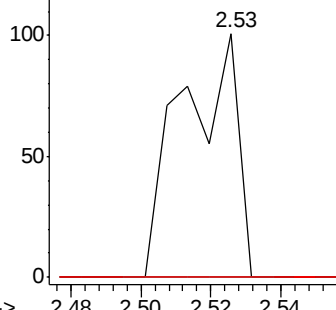
#10
Methyl Iodide
Concen: 4.703 ug/l
RT: 2.53 min Scan# 225
Delta R.T. 0.01 min
Lab File: VX010075.D
Acq: 05 Jun 2019 14:31

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:142 Resp: 112
Ion Ratio Lower Upper
142 100
127 0.0 33.0 49.4#
141 0.0 11.4 17.0#

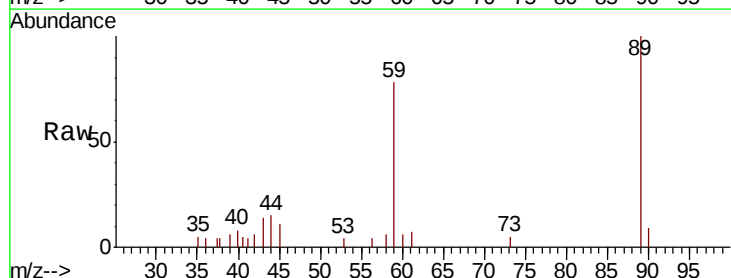


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

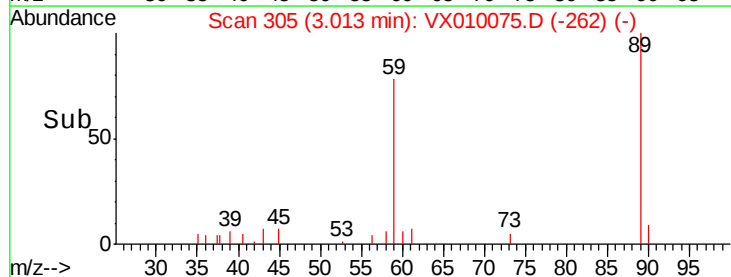
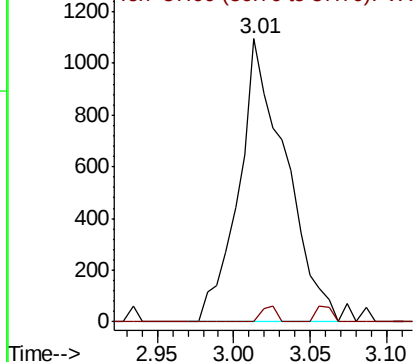


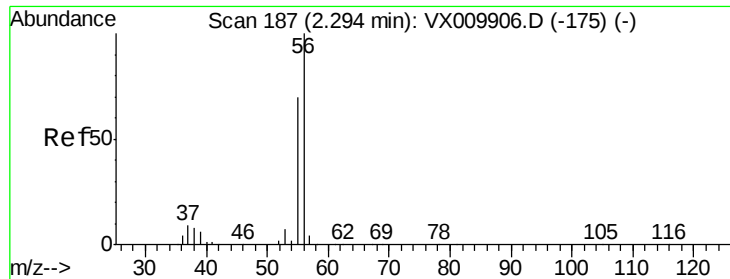
#11
Tert butyl alcohol
Concen: 3.763 ug/l
RT: 3.01 min Scan# 305
Delta R.T. -0.04 min
Lab File: VX010075.D
Acq: 05 Jun 2019 14:31

Tgt Ion: 59 Resp: 2330
Ion Ratio Lower Upper
59 100
57 1.7 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VX0
Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 21.239 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX010075.D

Acq: 05 Jun 2019 14:31

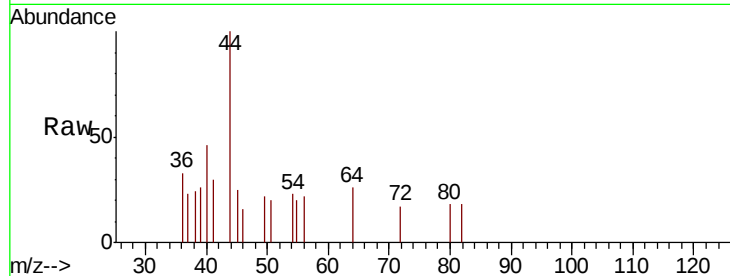
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 56 Resp: 68

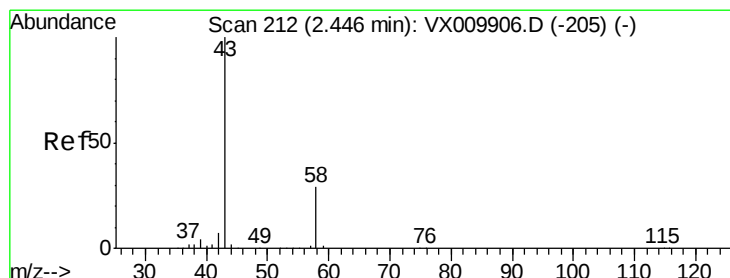
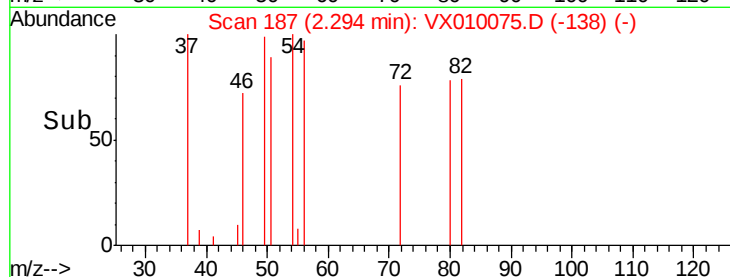
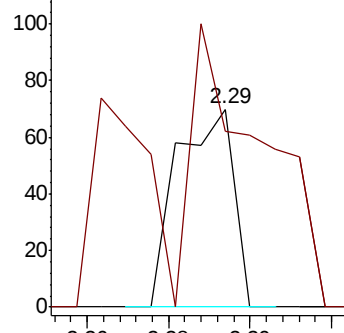
Ion Ratio Lower Upper

56 100

55 177.9 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: 1.722 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX010075.D

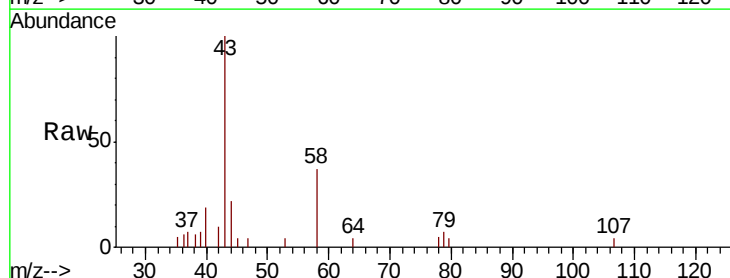
Acq: 05 Jun 2019 14:31

Tgt Ion: 43 Resp: 2503

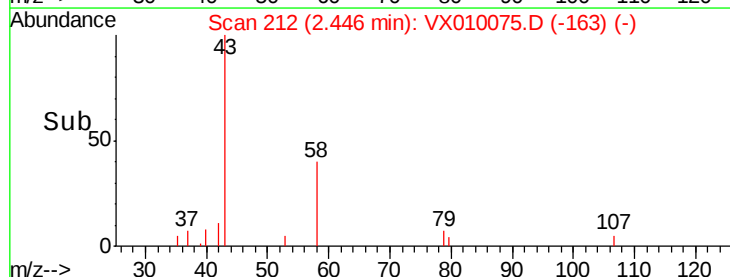
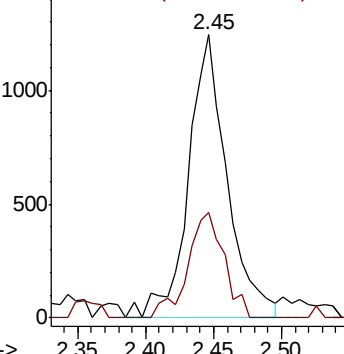
Ion Ratio Lower Upper

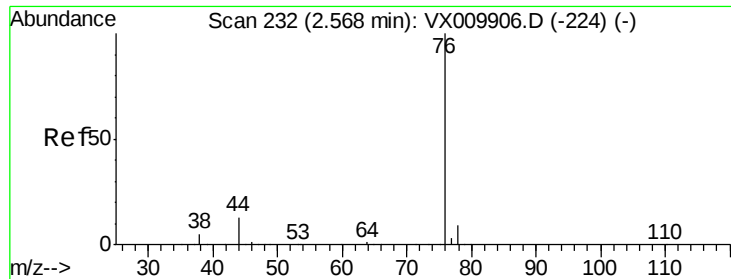
43 100

58 37.2 23.2 34.8#



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 0.481 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX010075.D

Acq: 05 Jun 2019 14:31

Instrument :

MSVOA_X

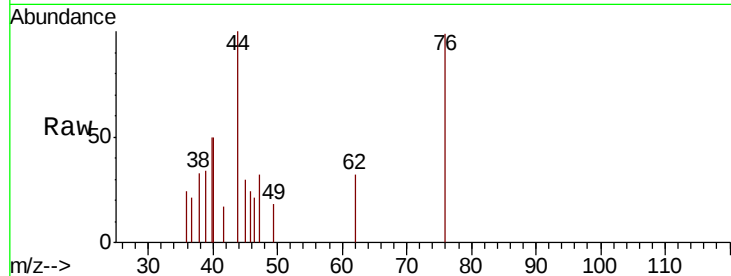
ClientSampleId :

Tot Ion: 76 Resp: 532

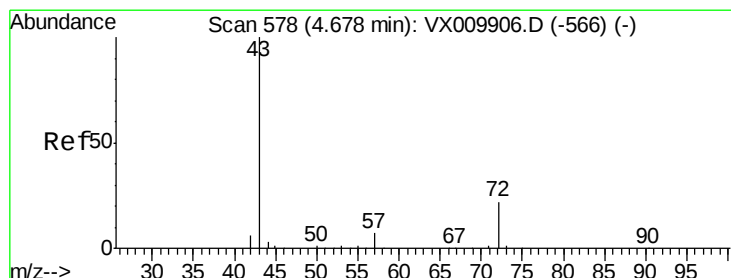
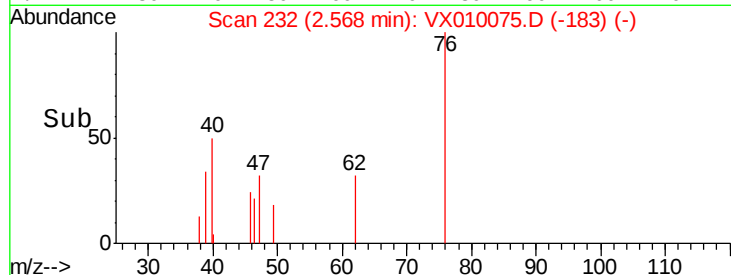
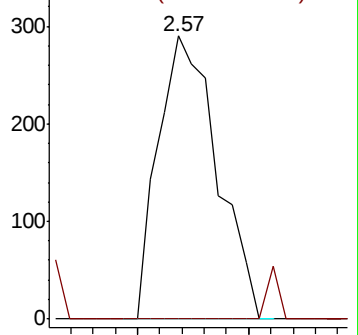
Ion Ratio Lower Upper

76 100

78 0.0 7.0 10.6#



Abundance Ion 75.90 (75.60 to 76.60): VX0



#25

2-Butanone

Concen: 0.203 ug/l

RT: 4.68 min Scan# 579

Delta R.T. 0.01 min

Lab File: VX010075.D

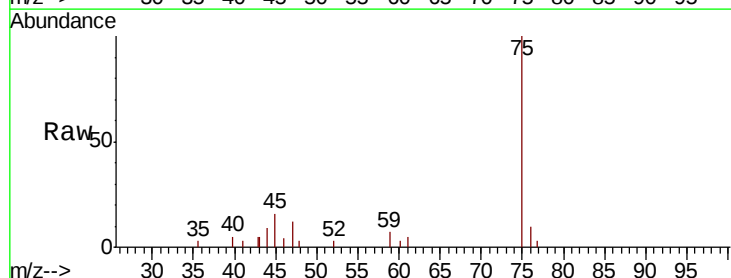
Acq: 05 Jun 2019 14:31

Tgt Ion: 43 Resp: 460

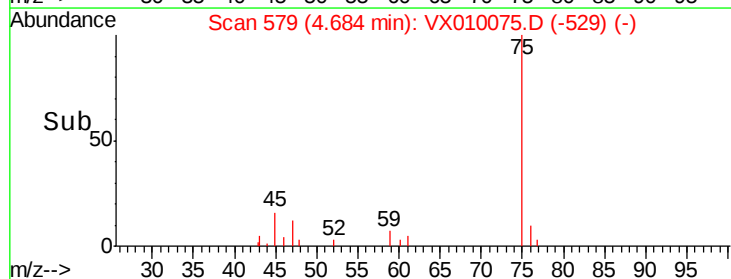
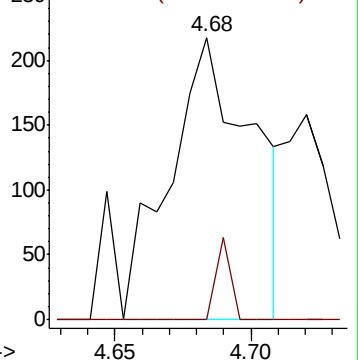
Ion Ratio Lower Upper

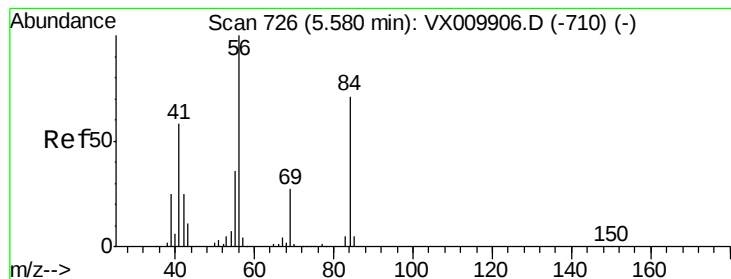
43 100

72 0.0 17.5 26.3#



Abundance Ion 43.00 (42.70 to 43.70): VX0





#31

Cyclohexane

Concen: 1.015 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.08 min

Lab File: VX010075.D

Acq: 05 Jun 2019 14:31

Instrument :

MSVOA_X

ClientSampleId :

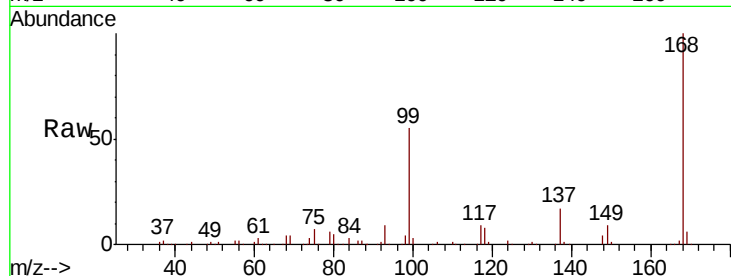
Tot Ion: 56 Resp: 3887

Ion Ratio Lower Upper

56 100

69 180.3 21.6 32.4#

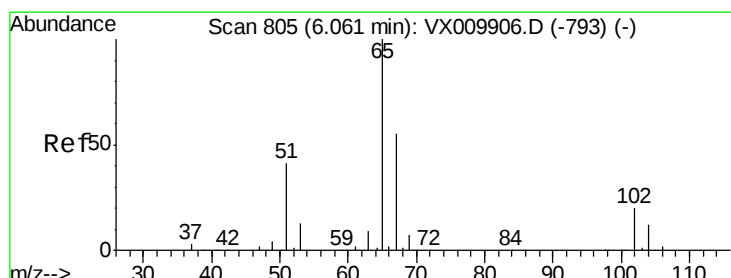
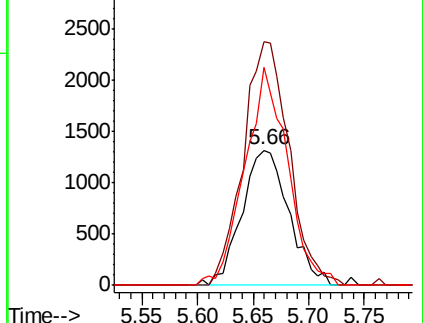
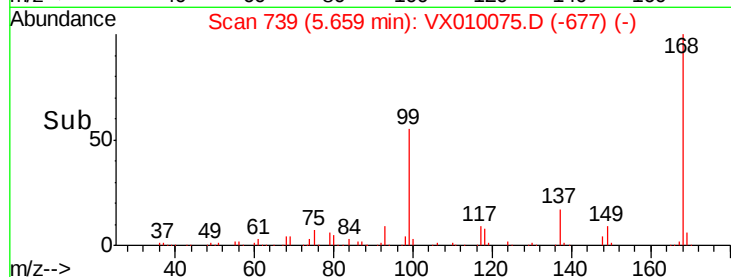
84 161.3 56.8 85.2#



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: 46.927 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX010075.D

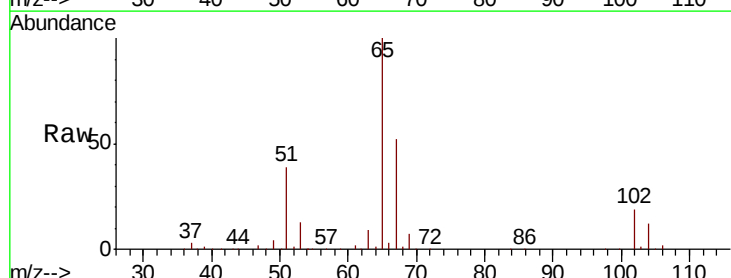
Acq: 05 Jun 2019 14:31

Tgt Ion: 65 Resp: 118061

Ion Ratio Lower Upper

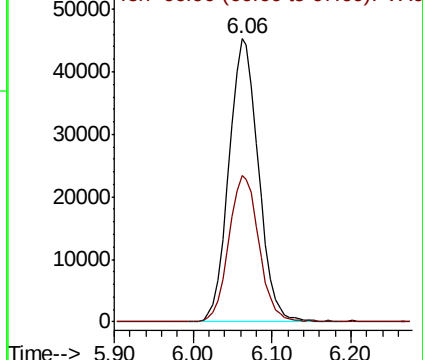
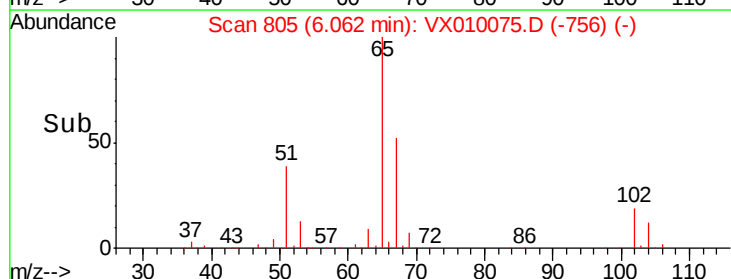
65 100

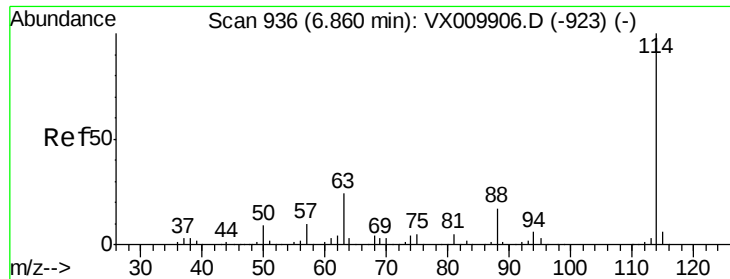
67 52.8 0.0 108.4



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

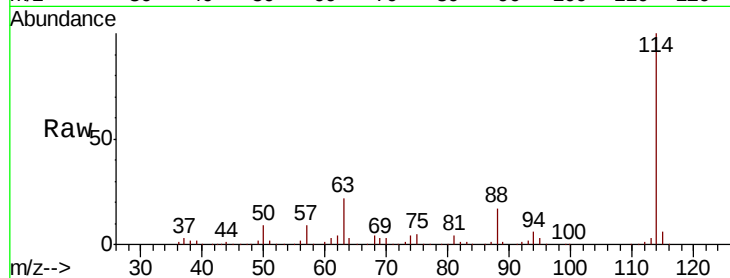




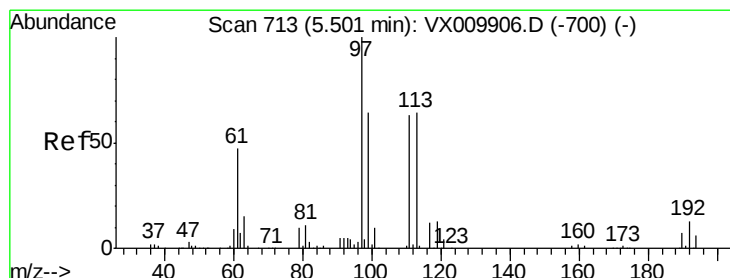
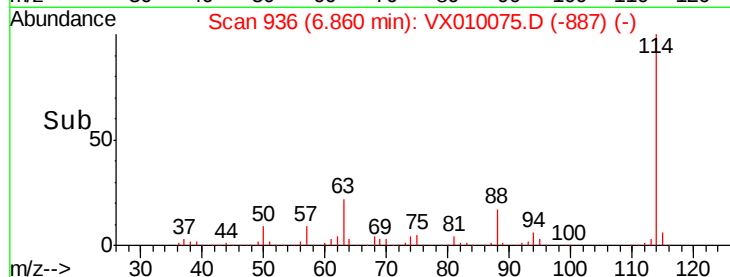
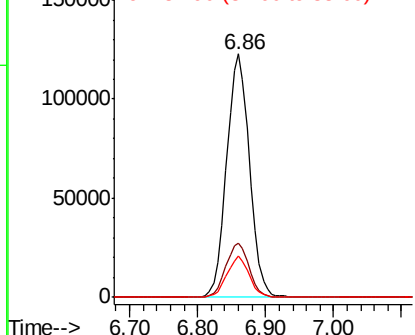
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.86 min Scan# 936
Delta R.T. 0.00 min
Lab File: VX010075.D
Acq: 05 Jun 2019 14:31

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:114 Resp: 285677
Ion Ratio Lower Upper
114 100
63 22.1 0.0 47.4
88 16.8 0.0 33.0

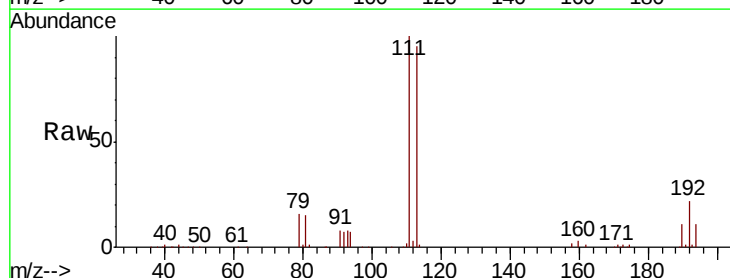


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VX0
Ion 87.90 (87.60 to 88.60): VX0

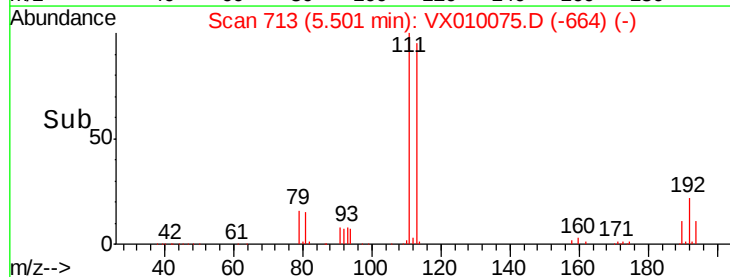
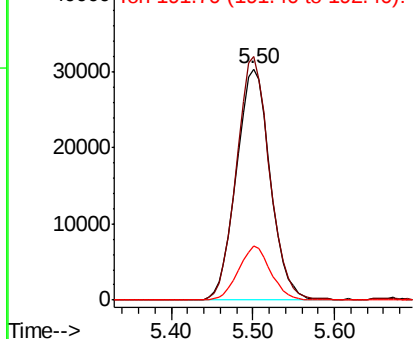


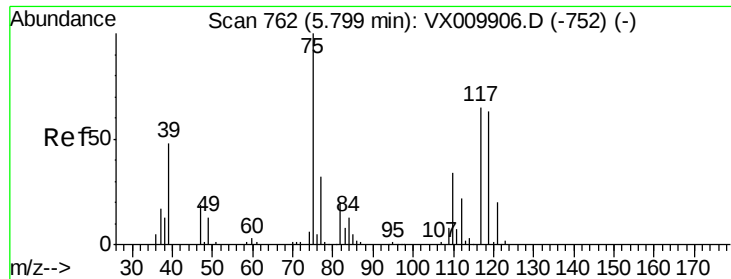
#35
Dibromofluoromethane
Concen: 48.868 ug/l
RT: 5.50 min Scan# 713
Delta R.T. 0.00 min
Lab File: VX010075.D
Acq: 05 Jun 2019 14:31

Tgt Ion:113 Resp: 87770
Ion Ratio Lower Upper
113 100
111 102.5 82.2 123.2
192 22.1 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

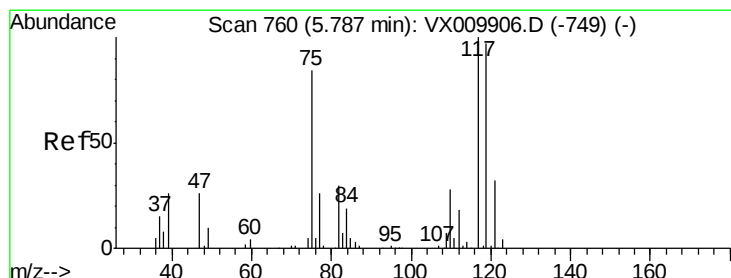
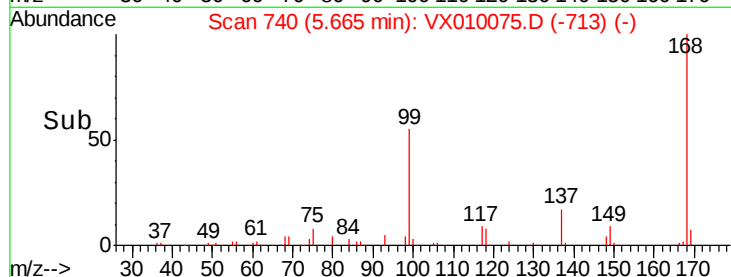
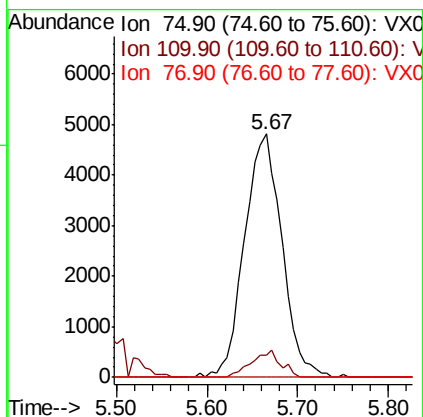
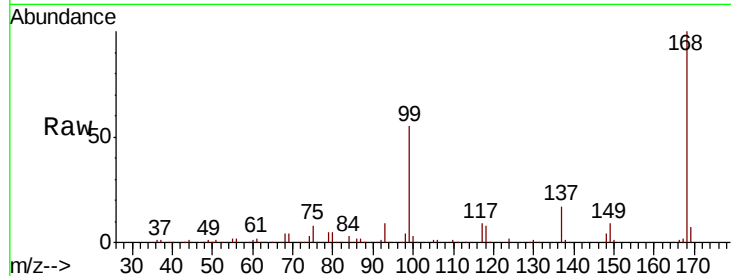




#36
 1,1-Dichloropropene
 Concen: 4.734 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.13 min
 Lab File: VX010075.D
 Acq: 05 Jun 2019 14:31

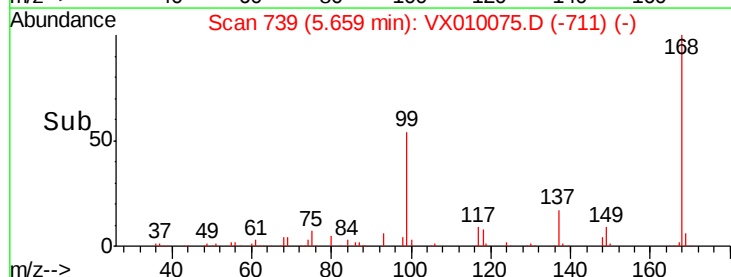
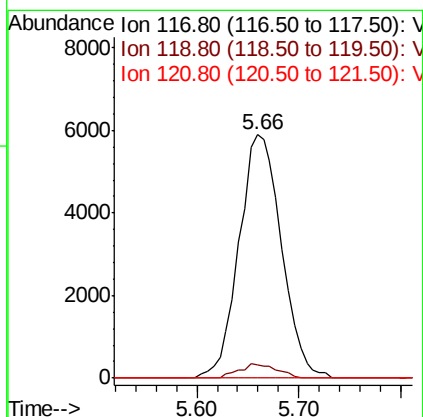
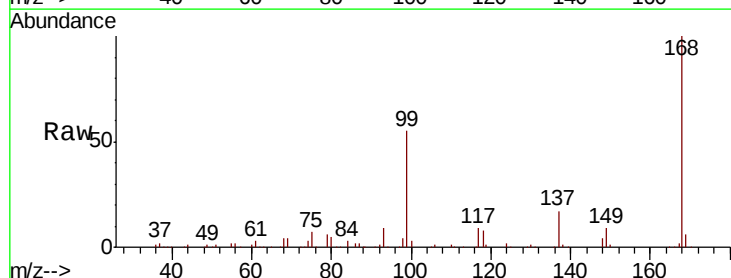
Instrument :
 MSVOA_X
 ClientSampleId :

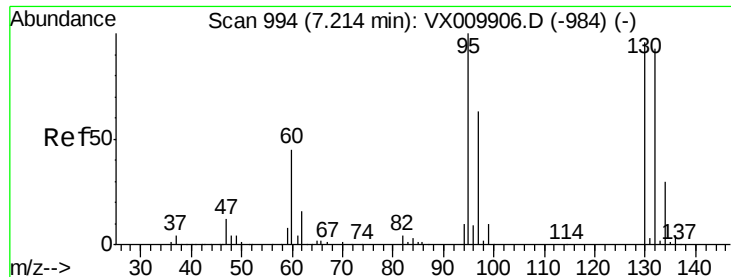
Tot Ion: 75 Resp: 13722
 Ion Ratio Lower Upper
 75 100
 110 8.7 16.7 50.1#
 77 0.0 25.0 37.4#



#38
 Carbon Tetrachloride
 Concen: 6.794 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.13 min
 Lab File: VX010075.D
 Acq: 05 Jun 2019 14:31

Tgt Ion: 117 Resp: 17018
 Ion Ratio Lower Upper
 117 100
 119 5.6 77.3 115.9#
 121 0.0 25.4 38.0#

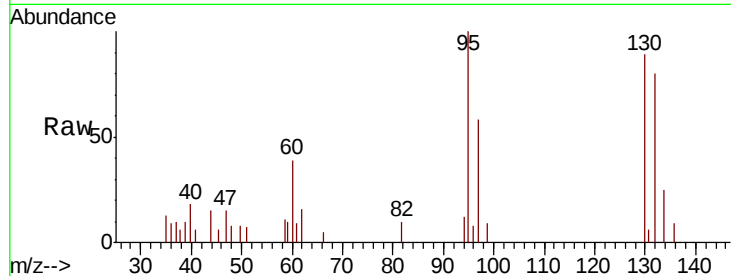




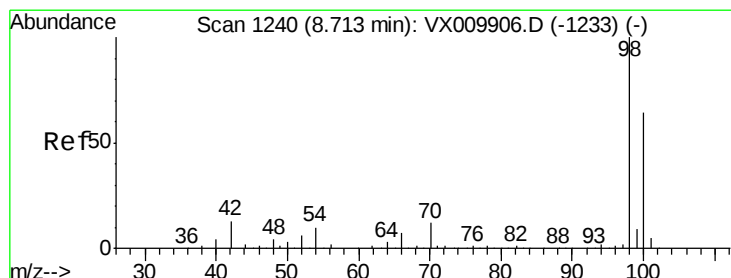
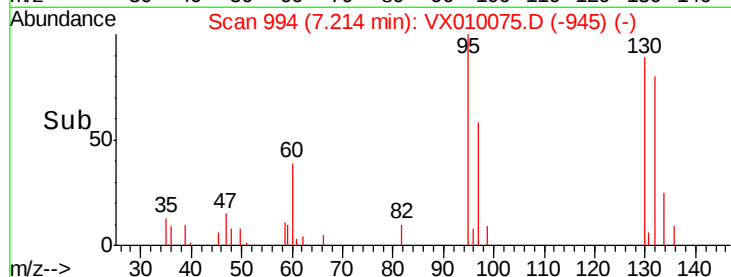
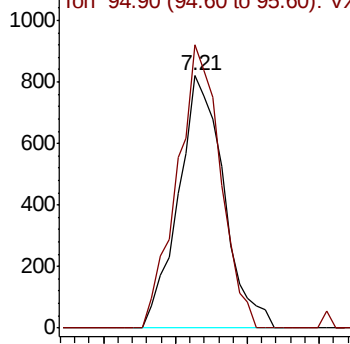
#44
 Trichloroethene
 Concen: 0.858 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. 0.00 min
 Lab File: VX010075.D
 Acq: 05 Jun 2019 14:31

Instrument :
 MSVOA_X
 ClientSampled :

Tot Ion:130 Resp: 1791
 Ion Ratio Lower Upper
 130 100
 95 112.1 0.0 207.4

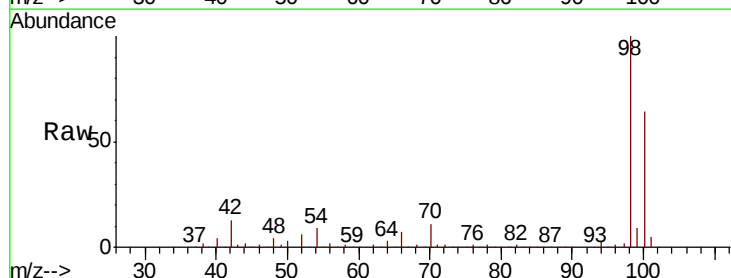


Abundance Ion 129.80 (129.50 to 130.50): V
 Ion 94.90 (94.60 to 95.60): VX0

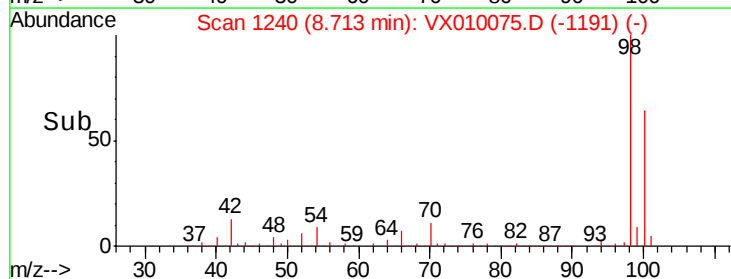
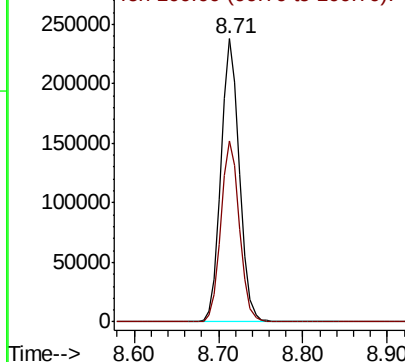


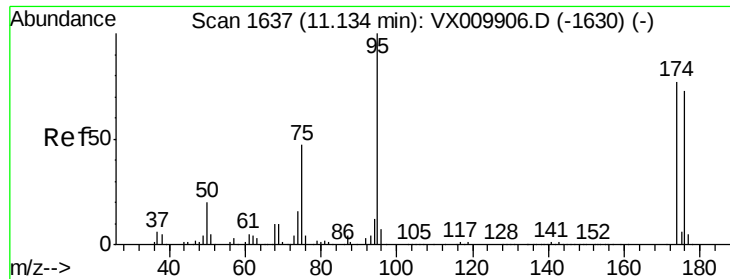
#50
 Toluene-d8
 Concen: 49.525 ug/l
 RT: 8.71 min Scan# 1240
 Delta R.T. 0.00 min
 Lab File: VX010075.D
 Acq: 05 Jun 2019 14:31

Tgt Ion: 98 Resp: 361206
 Ion Ratio Lower Upper
 98 100
 100 64.3 51.5 77.3



Abundance Ion 98.00 (97.70 to 98.70): VX0
 Ion 100.00 (99.70 to 100.70): V

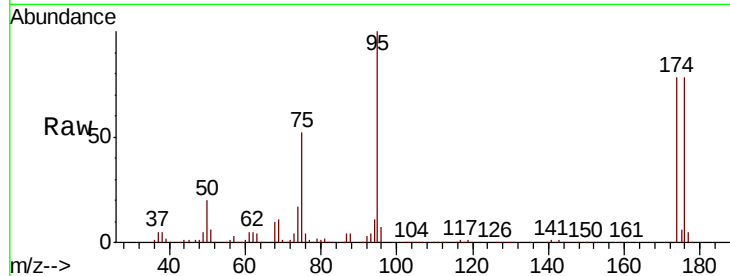




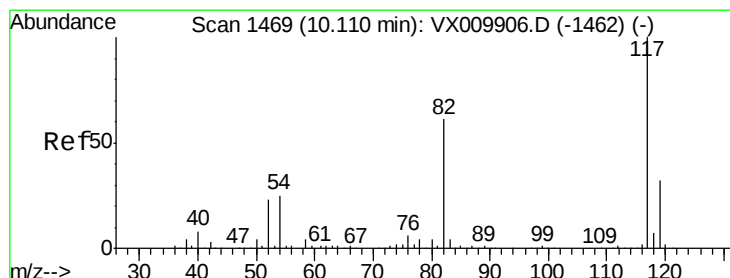
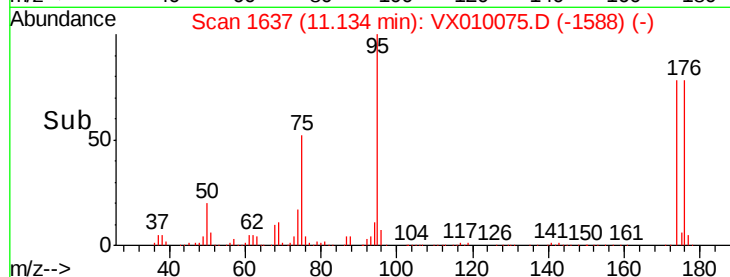
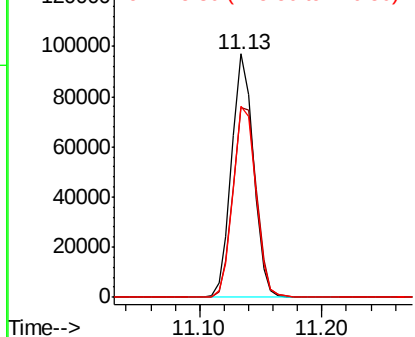
#62
4-Bromofluorobenzene
Concen: 45.862 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX010075.D
Acq: 05 Jun 2019 14:31

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 95 Resp: 120143
Ion Ratio Lower Upper
95 100
174 83.9 0.0 160.4
176 81.8 0.0 154.6

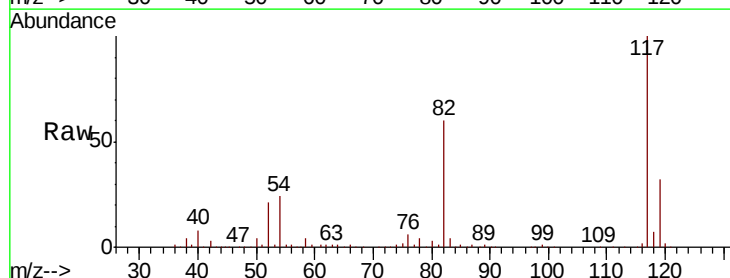


Abundance Ion 94.90 (94.60 to 95.60): VX0
Ion 173.80 (173.50 to 174.50): V
Ion 175.80 (175.50 to 176.50): V

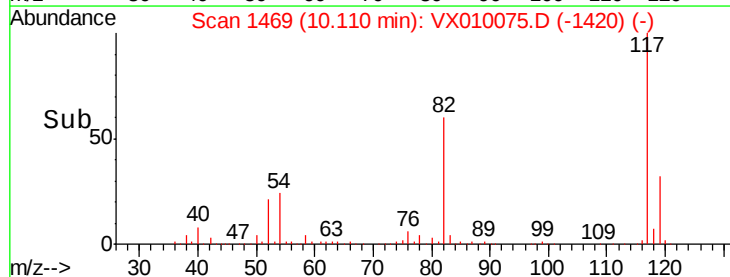
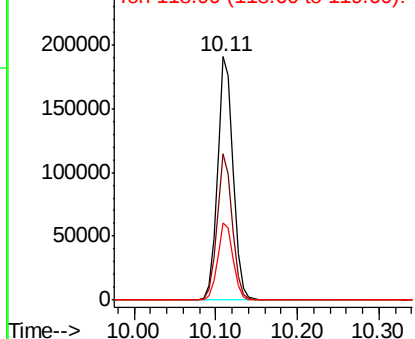


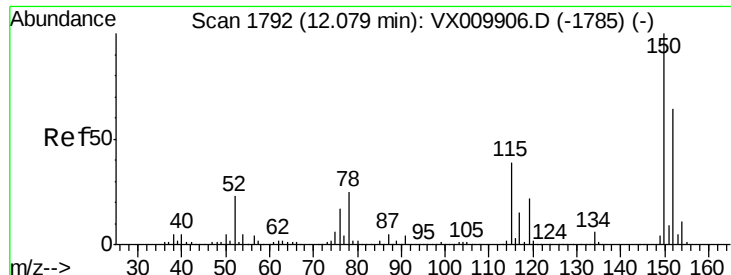
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX010075.D
Acq: 05 Jun 2019 14:31

Tgt Ion: 117 Resp: 257516
Ion Ratio Lower Upper
117 100
82 59.9 49.2 73.8
119 31.5 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: VX010075.D

Acq: 05 Jun 2019 14:31

Instrument :

MSVOA_X

ClientSampleId :

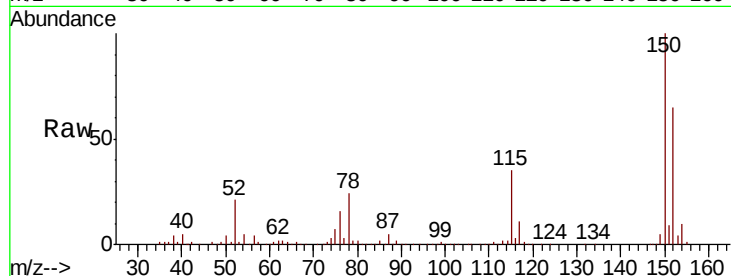
Tot Ion:152 Resp: 112030

Ion Ratio Lower Upper

152 100

115 57.9 41.4 124.2

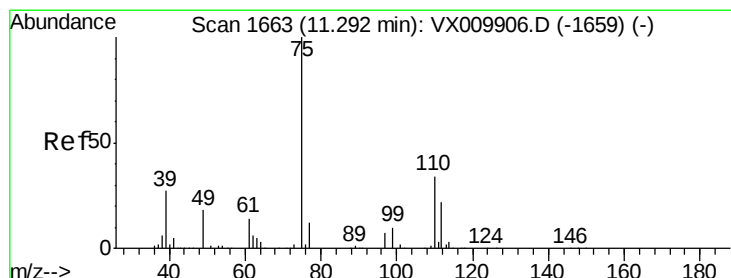
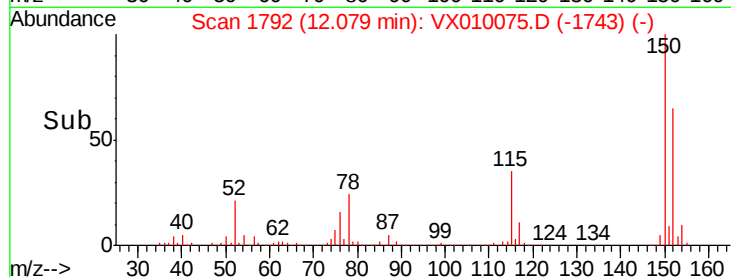
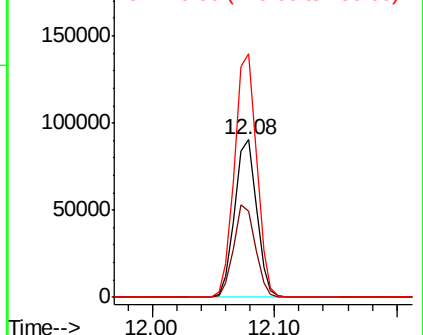
150 156.5 0.0 345.2



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: 23.380 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX010075.D

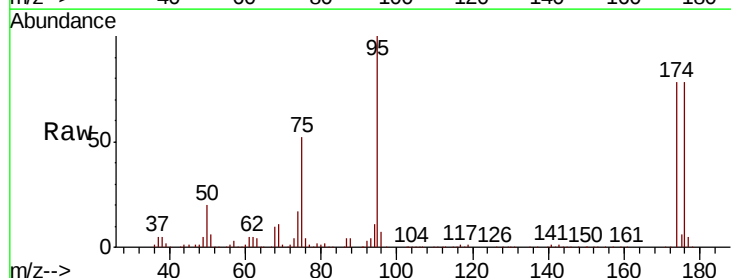
Acq: 05 Jun 2019 14:31

Tgt Ion: 75 Resp: 62636

Ion Ratio Lower Upper

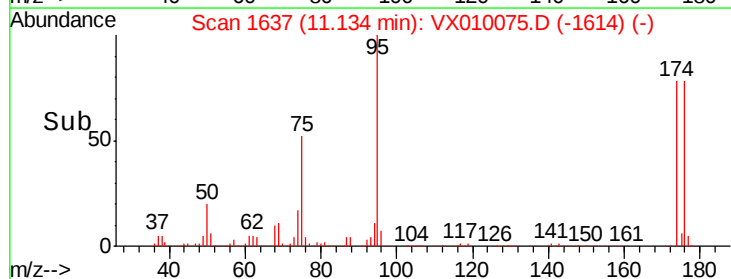
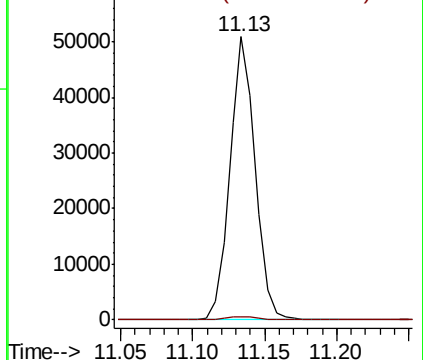
75 100

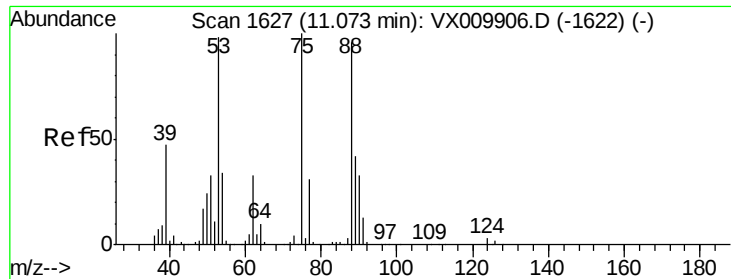
77 1.3 22.1 66.1#



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: 57.847 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX010075.D

Acq: 05 Jun 2019 14:31

Instrument :

MSVOA_X

ClientSampleId :

Tot Ion: 75 Resp: 62636

Ion Ratio Lower Upper

75 100

53 0.1 79.8 119.6#

89 0.0 34.2 51.4#

