

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX041619\
 Data File : VX008996.D
 Acq On : 16 Apr 2019 18:34
 Operator : JC/SP
 Sample : K2440-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RW-6

Quant Time: Apr 17 04:19:17 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X041519W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 16 09:35:21 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	259001	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	410428	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	358573	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	156939	50.00	ug/l	0.00

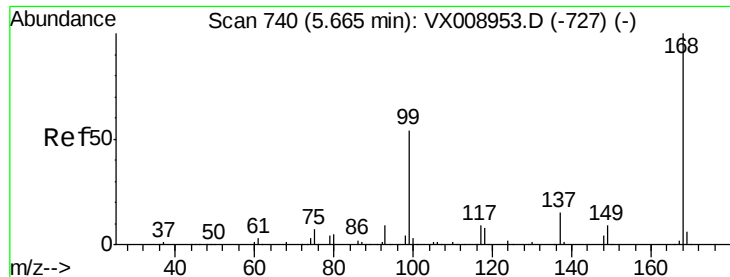
System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	165849	45.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.88%	
35) Dibromofluoromethane	5.50	113	121278	46.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.08%	
50) Toluene-d8	8.71	98	514513	48.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.96%	
62) 4-Bromofluorobenzene	11.13	95	176659	47.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.28%	

Target Compounds

						Qvalue
5) Bromomethane	1.65	94	238	3.947	ug/l #	58
10) Methyl Iodide	2.53	142	157	4.464	ug/l #	57
11) Tert butyl alcohol	3.03	59	491	0.606	ug/l #	74
16) Acetone	2.44	43	8625	4.557	ug/l	97
17) Carbon Disulfide	2.57	76	544	1.318	ug/l #	4
20) Methylene Chloride	2.86	84	768	0.237	ug/l	85
25) 2-Butanone	4.69	43	1307	0.432	ug/l #	84
28) Bromochloromethane	5.03	49	25	Below Cal	#	21
31) Cyclohexane	5.67	56	5726	0.985	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	20272	4.776	ug/l #	50
38) Carbon Tetrachloride	5.66	117	24501	6.809	ug/l #	18
49) 1,4-Dioxane	7.57	88	42	0.516	ug/l #	1
51) 4-Methyl-2-Pentanone	8.64	43	1347	0.240	ug/l #	84
76) 1,2,3-Trichloropropane	11.13	75	88219	23.021	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.13	75	88219	59.101	ug/l #	11

(#) = 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: VX008996.D

Acq: 16 Apr 2019 18:34

Instrument :

MSVOA_X

ClientSampled :

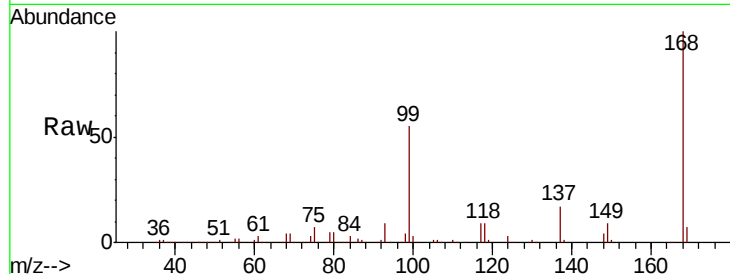
RW-6

Tot Ion:168 Resp: 259001

Ion Ratio Lower Upper

168 100

99 55.0 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

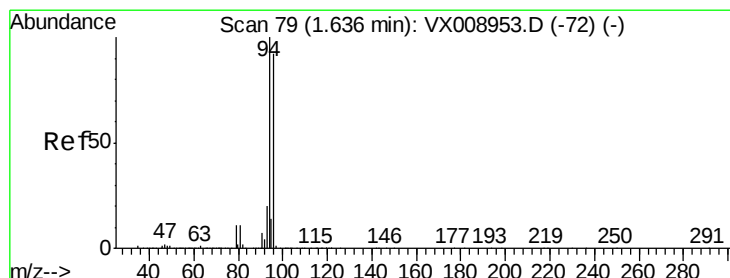
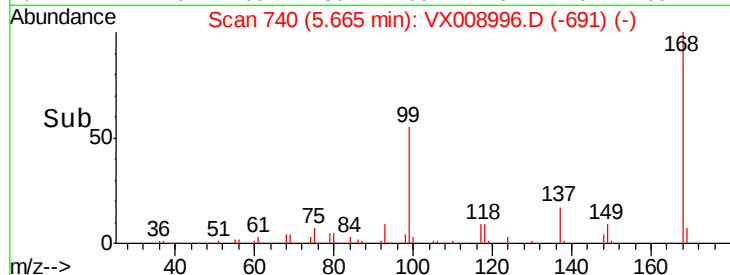
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: 3.947 ug/l

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX008996.D

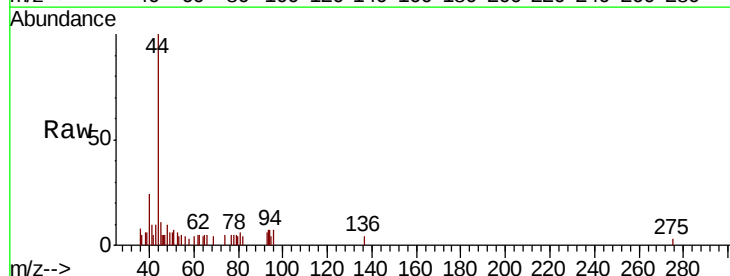
Acq: 16 Apr 2019 18:34

Tgt Ion: 94 Resp: 238

Ion Ratio Lower Upper

94 100

96 51.9 73.9 110.9#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

250

200

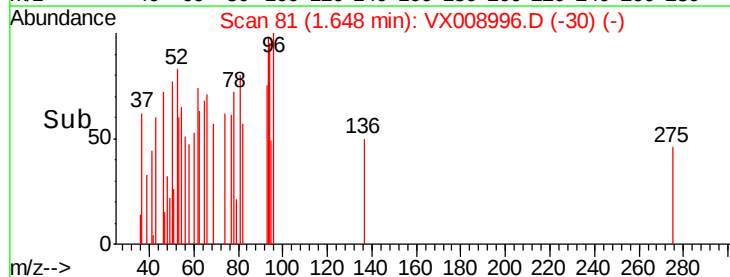
150

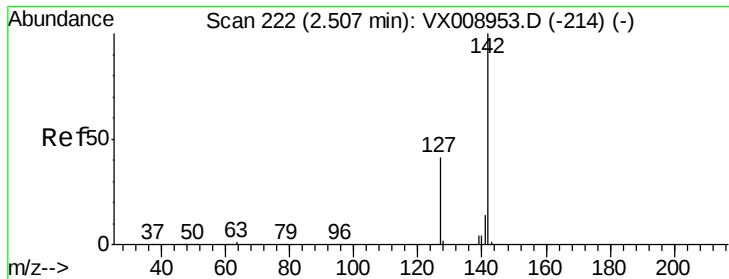
100

50

0

Time--> 1.60 1.65 1.70

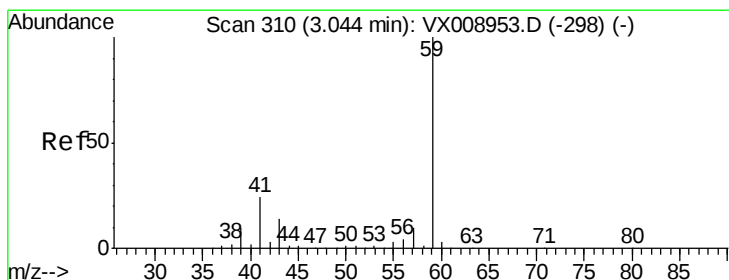
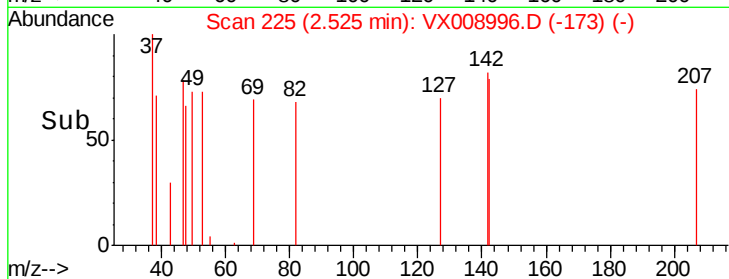
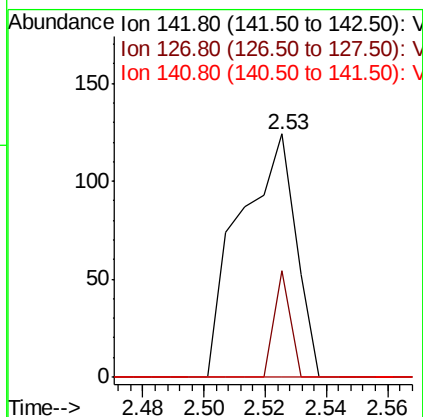
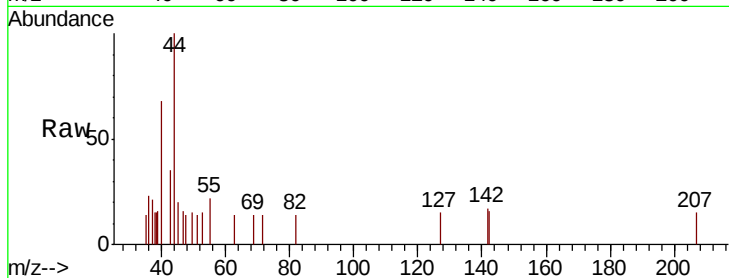




#10
Methyl Iodide
Concen: 4.464 ug/l
RT: 2.53 min Scan# 225
Delta R.T. 0.02 min
Lab File: VX008996.D
Acq: 16 Apr 2019 18:34

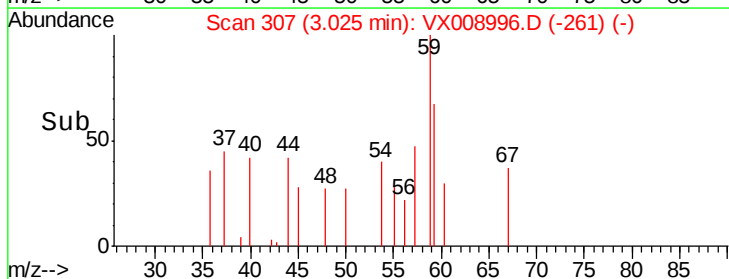
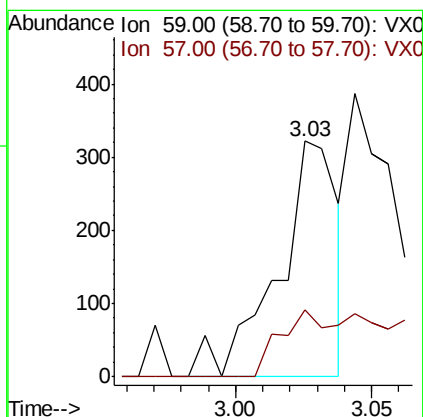
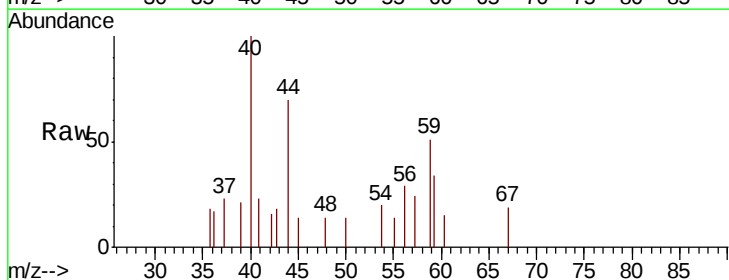
Instrument :
MSVOA_X
ClientSampled :
RW-6

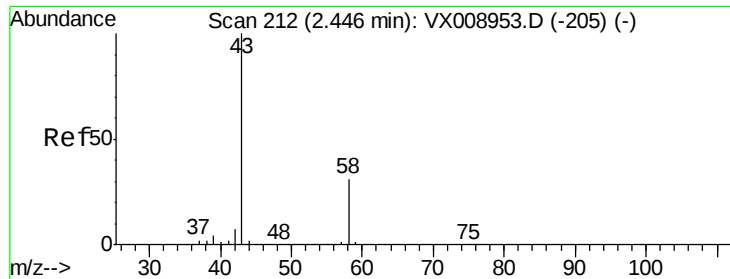
Tot Ion:142 Resp: 157
Ion Ratio Lower Upper
142 100
127 12.7 32.8 49.2#
141 0.0 11.4 17.2#



#11
Tert butyl alcohol
Concen: 0.606 ug/l
RT: 3.03 min Scan# 307
Delta R.T. -0.02 min
Lab File: VX008996.D
Acq: 16 Apr 2019 18:34

Tgt Ion: 59 Resp: 491
Ion Ratio Lower Upper
59 100
57 20.2 8.4 12.6#





#16

Acetone

Concen: 4.557 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX008996.D

Acq: 16 Apr 2019 18:34

Instrument :

MSVOA_X

ClientSampled :

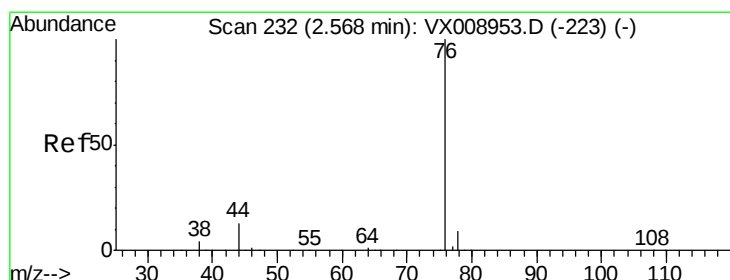
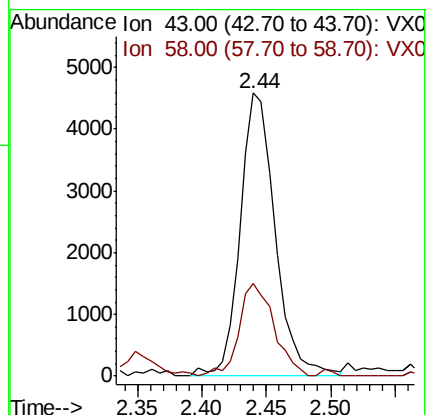
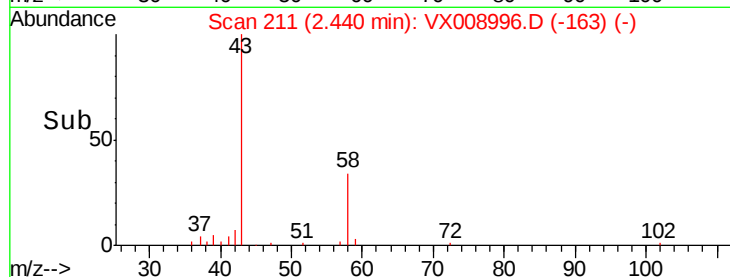
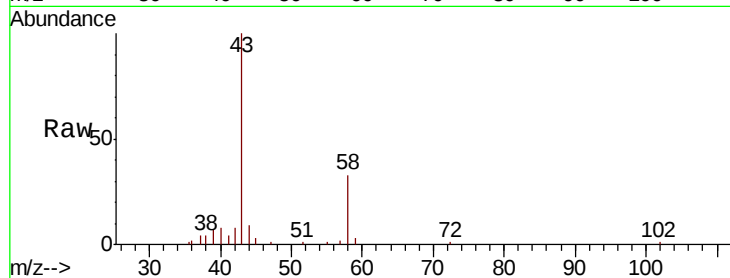
RW-6

Tot Ion: 43 Resp: 8625

Ion Ratio Lower Upper

43 100

58 32.6 24.8 37.2



#17

Carbon Disulfide

Concen: 1.318 ug/l

RT: 2.57 min Scan# 233

Delta R.T. 0.01 min

Lab File: VX008996.D

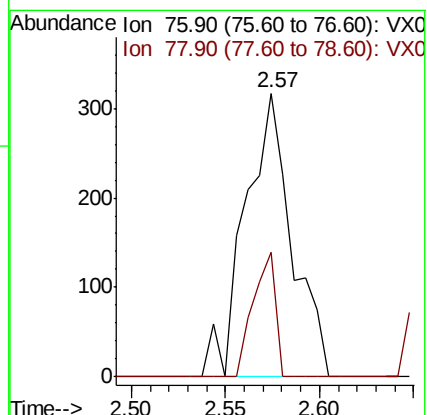
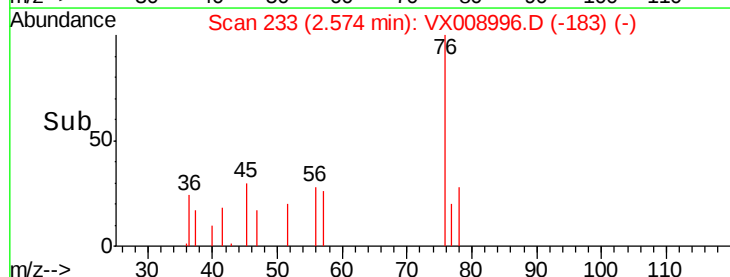
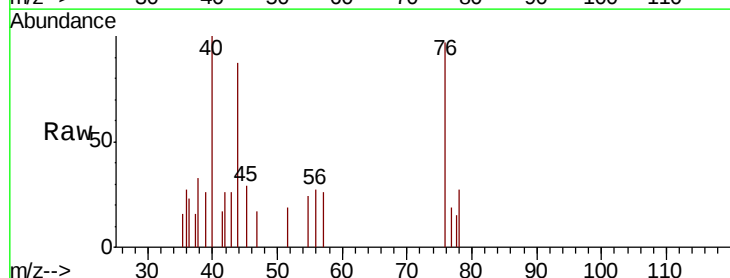
Acq: 16 Apr 2019 18:34

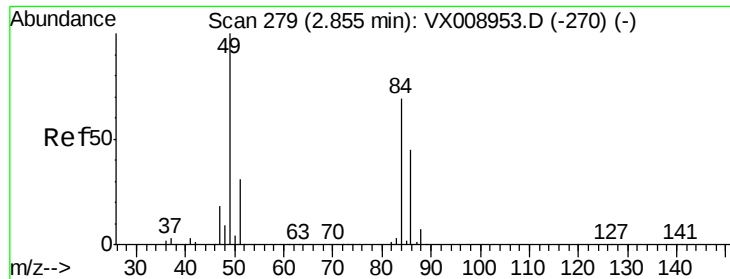
Tgt Ion: 76 Resp: 544

Ion Ratio Lower Upper

76 100

78 43.8 7.2 10.8#

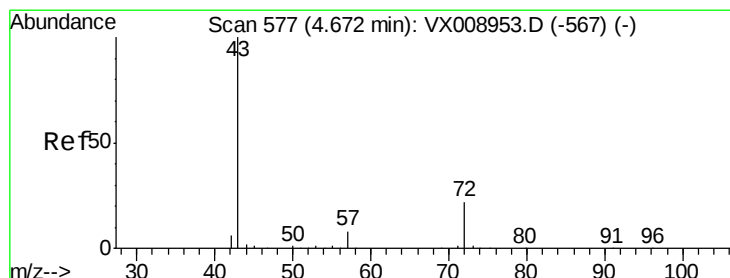
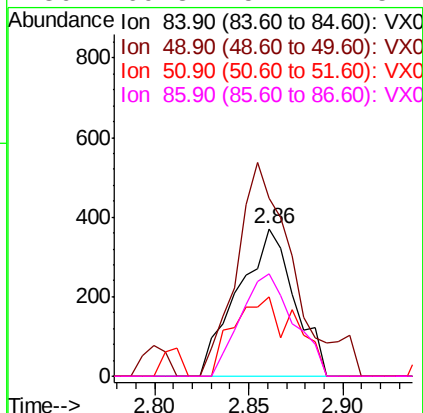
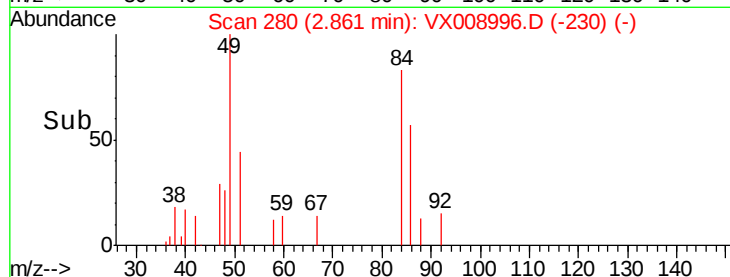
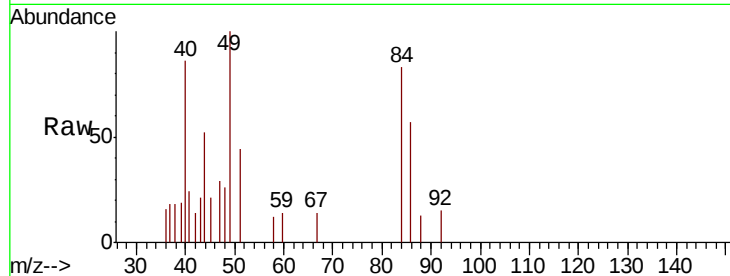




#20
Methvlene Chloride
Concen: 0.237 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.01 min
Lab File: VX008996.D
Acq: 16 Apr 2019 18:34

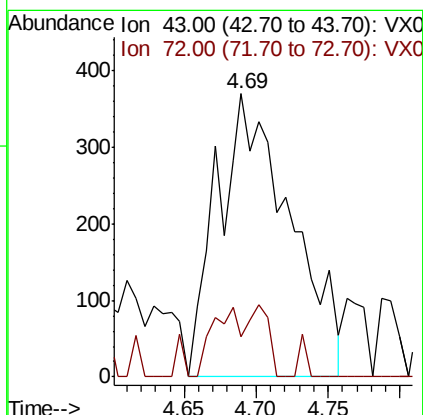
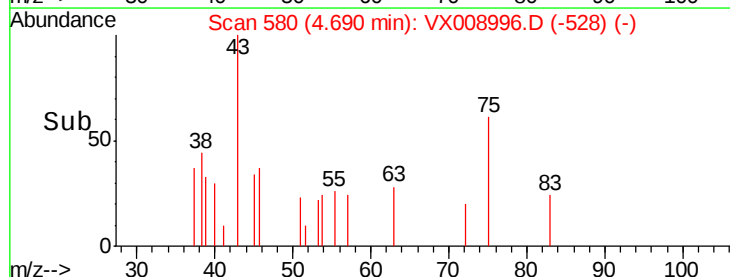
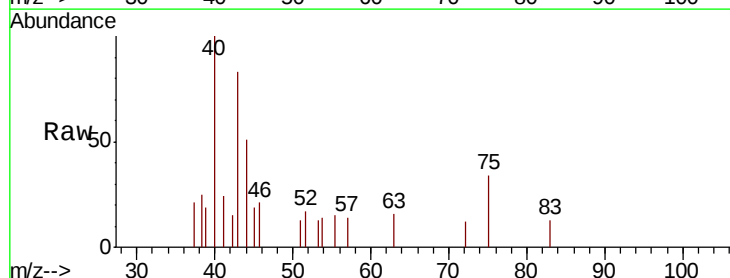
Instrument :
MSVOA_X
ClientSampled :
RW-6

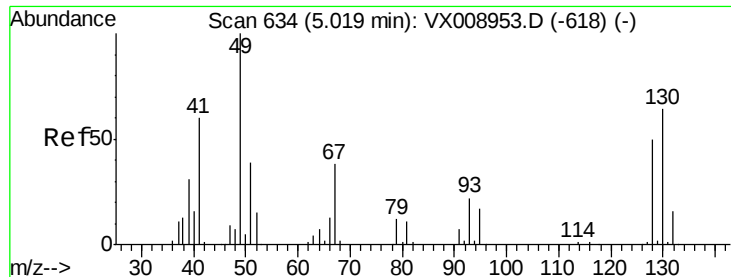
Tot Ion: 84 Resp: 768
Ion Ratio Lower Upper
84 100
49 120.8 115.4 173.0
51 53.6 35.8 53.6
86 69.3 52.1 78.1



#25
2-Butanone
Concen: 0.432 ug/l
RT: 4.69 min Scan# 580
Delta R.T. 0.02 min
Lab File: VX008996.D
Acq: 16 Apr 2019 18:34

Tgt Ion: 43 Resp: 1307
Ion Ratio Lower Upper
43 100
72 14.1 17.5 26.3#





#28

Bromochloromethane

Concen: Below Cal

RT: 5.03 min Scan# 635

Delta R.T. 0.01 min

Lab File: VX008996.D

Acq: 16 Apr 2019 18:34

Instrument :

MSVOA_X

ClientSampleId :

RW-6

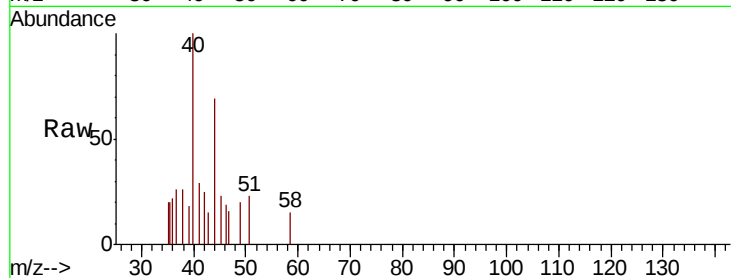
Tot Ion: 49 Resp: 25

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.6

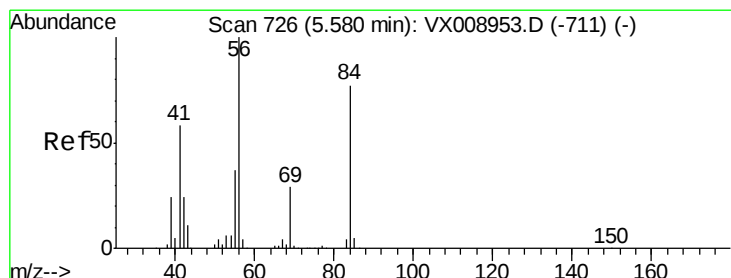
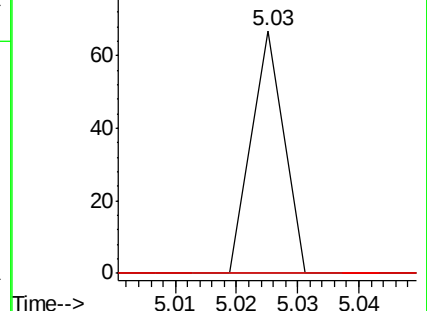
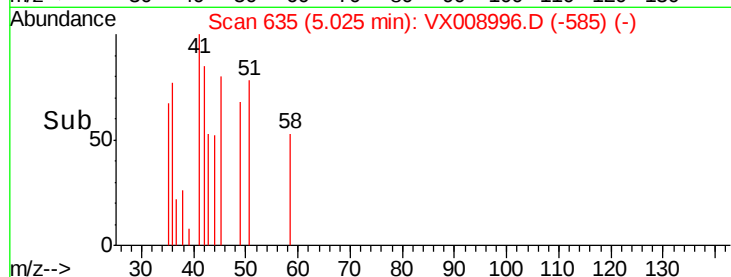
130 0.0 50.4 75.6#



Abundance Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V



#31

Cyclohexane

Concen: 0.985 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.09 min

Lab File: VX008996.D

Acq: 16 Apr 2019 18:34

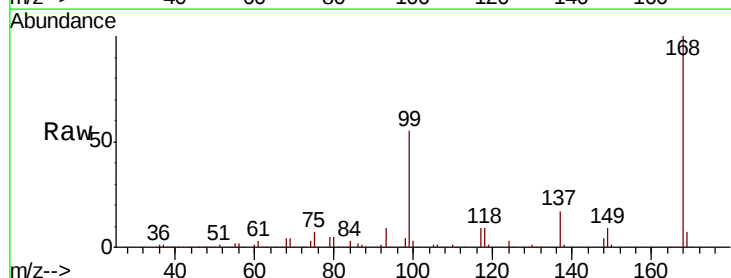
Tgt Ion: 56 Resp: 5726

Ion Ratio Lower Upper

56 100

69 168.5 23.3 34.9#

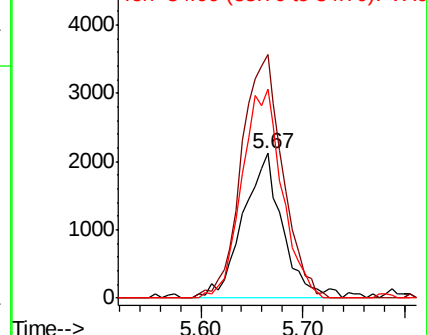
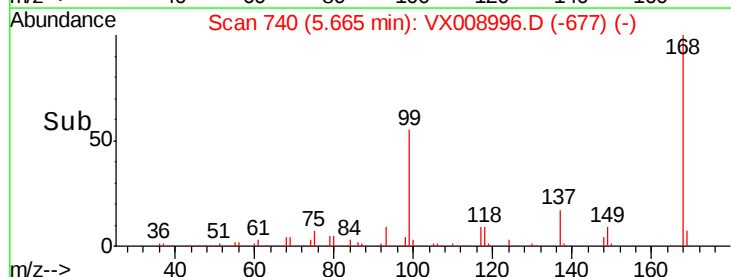
84 144.6 61.7 92.5#

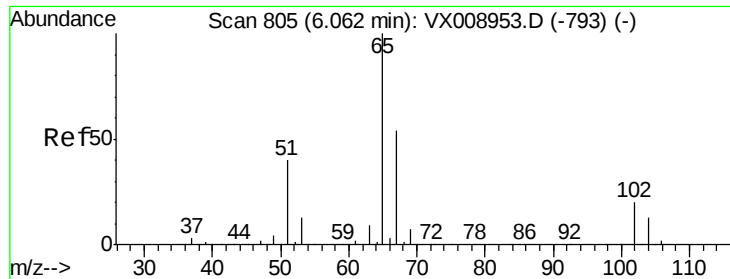


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0





#33

1,2-Dichloroethane-d4

Concen: 45.437 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.00 min

Lab File: VX008996.D

Acq: 16 Apr 2019 18:34

Instrument :

MSVOA_X

ClientSampleId :

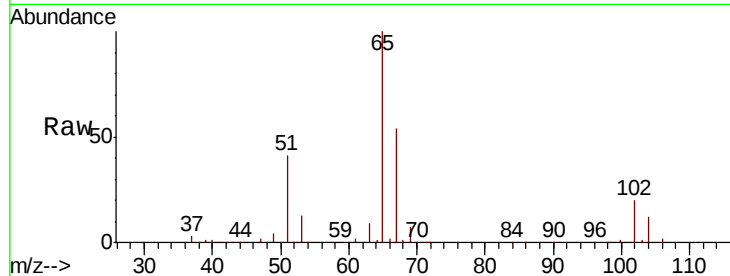
RW-6

Tot Ion: 65 Resp: 165849

Ion Ratio Lower Upper

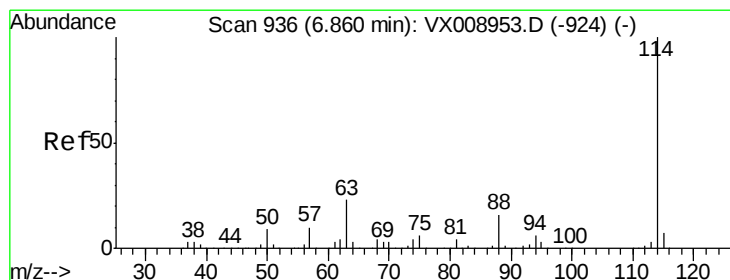
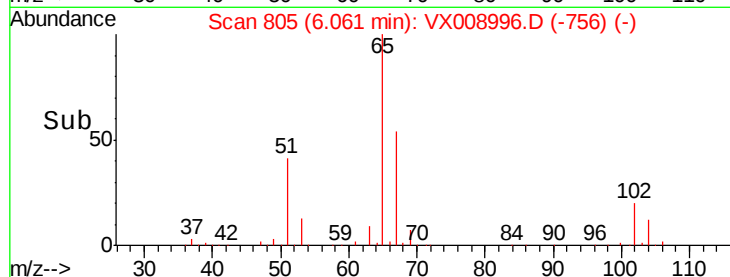
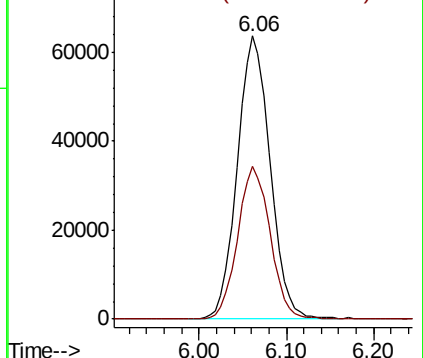
65 100

67 54.0 0.0 108.6



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: VX008996.D

Acq: 16 Apr 2019 18:34

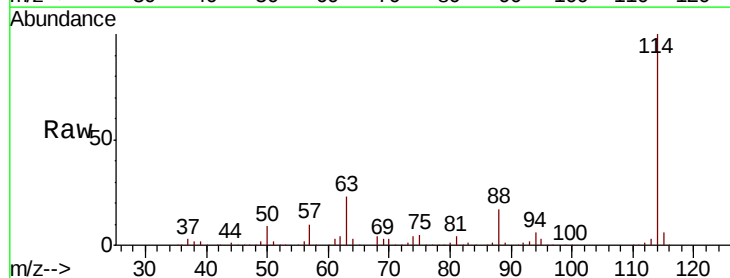
Tgt Ion: 114 Resp: 410428

Ion Ratio Lower Upper

114 100

63 23.4 0.0 46.0

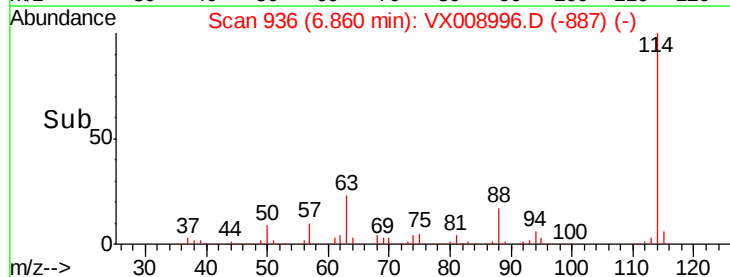
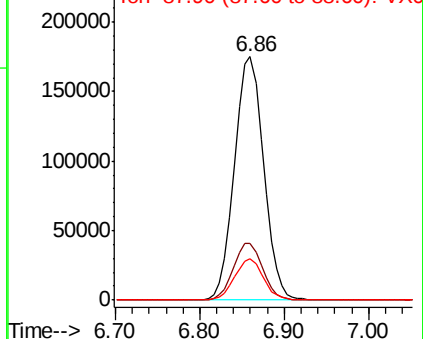
88 16.8 0.0 32.6

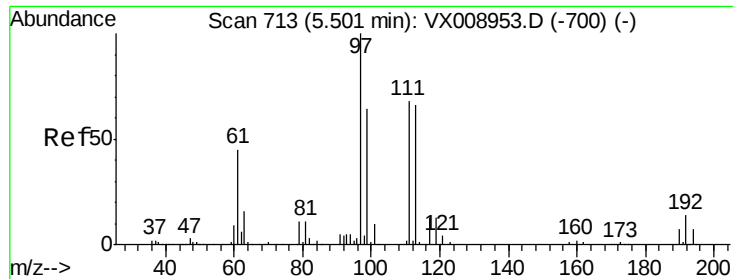


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

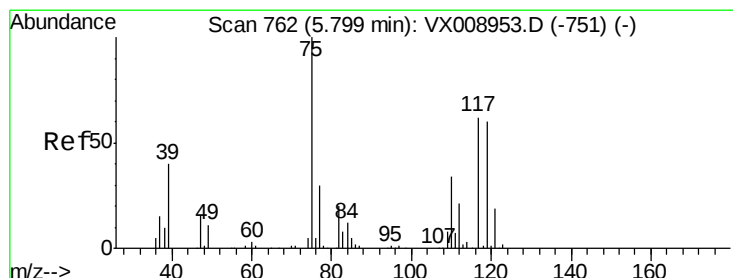
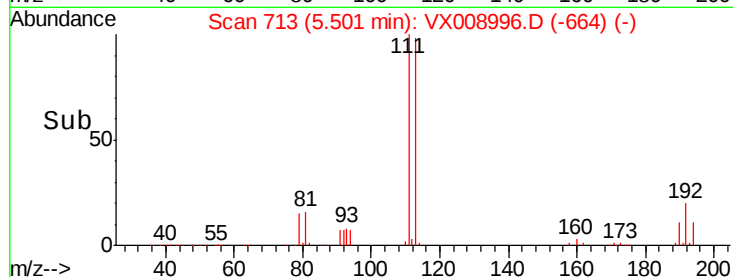
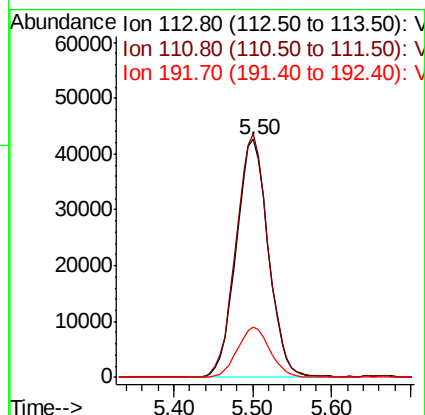
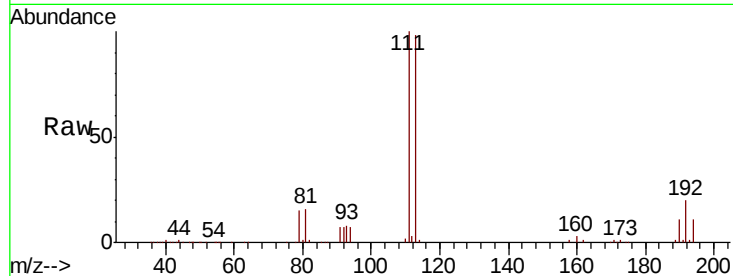




#35
Dibromofluoromethane
Concen: 46.043 ug/l
RT: 5.50 min Scan# 713
Delta R.T. -0.00 min
Lab File: VX008996.D
Acq: 16 Apr 2019 18:34

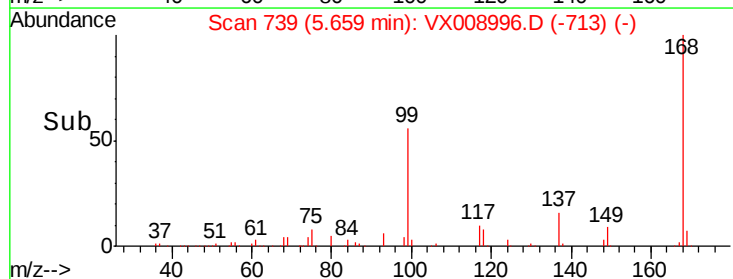
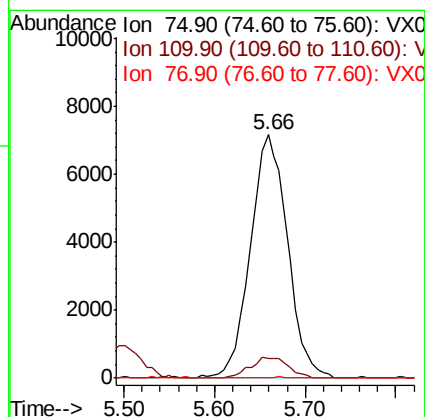
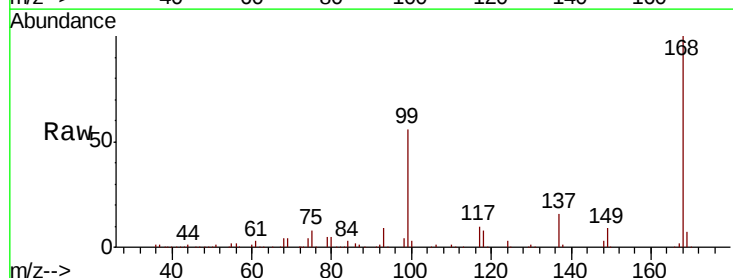
Instrument :
MSVOA_X
ClientSampleId :
RW-6

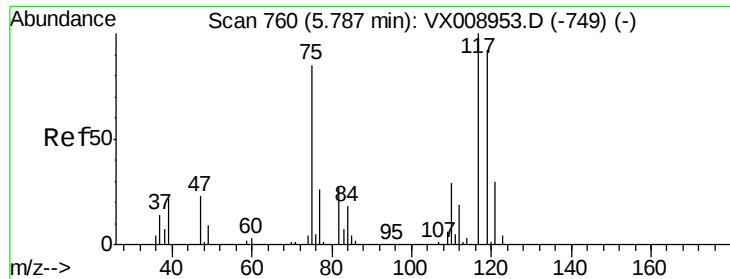
Tot Ion:113 Resp: 121278
Ion Ratio Lower Upper
113 100
111 102.2 82.9 124.3
192 21.4 17.4 26.0



#36
1,1-Dichloropropene
Concen: 4.776 ug/l
RT: 5.66 min Scan# 739
Delta R.T. -0.14 min
Lab File: VX008996.D
Acq: 16 Apr 2019 18:34

Tgt Ion: 75 Resp: 20272
Ion Ratio Lower Upper
75 100
110 8.7 16.9 50.7#
77 0.1 25.0 37.4#





#38

Carbon Tetrachloride

Concen: 6.809 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.13 min

Lab File: VX008996.D

Acq: 16 Apr 2019 18:34

Instrument :

MSVOA_X

ClientSampleId :

RW-6

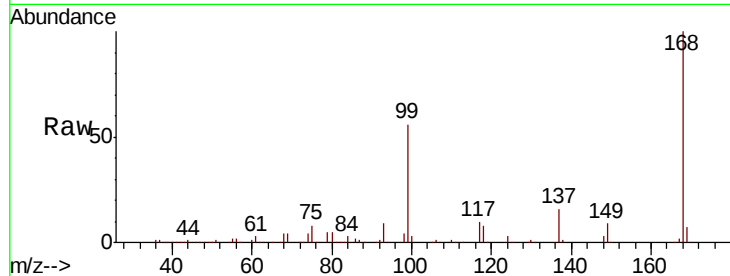
Tot Ion:117 Resp: 24501

Ion Ratio Lower Upper

117 100

119 5.2 73.8 110.8#

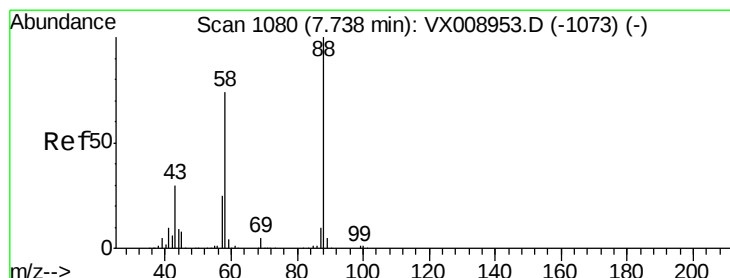
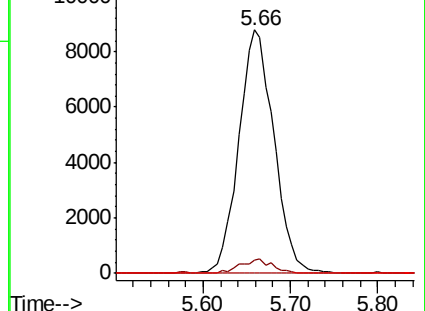
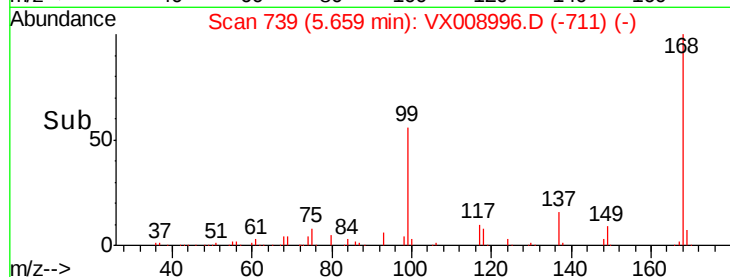
121 0.0 23.6 35.4#



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: 0.516 ug/l

RT: 7.57 min Scan# 1052

Delta R.T. -0.17 min

Lab File: VX008996.D

Acq: 16 Apr 2019 18:34

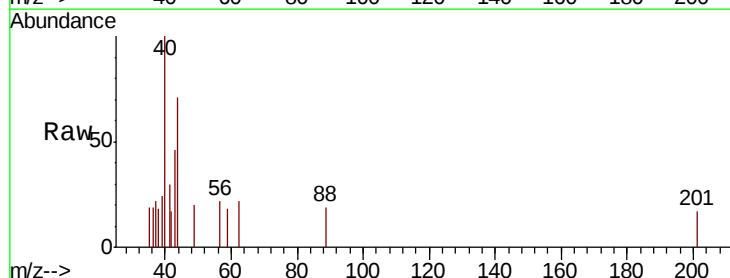
Tgt Ion: 88 Resp: 42

Ion Ratio Lower Upper

88 100

43 266.7 29.3 43.9#

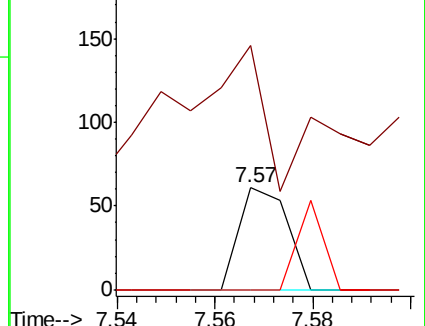
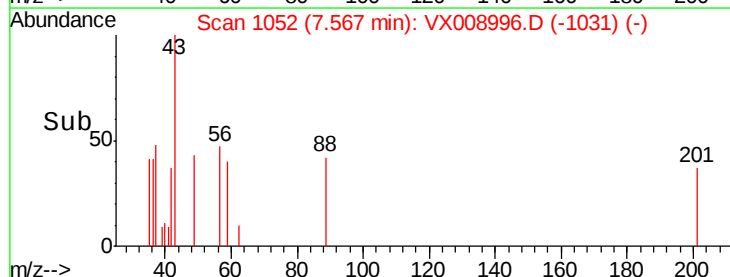
58 45.2 62.6 93.8#

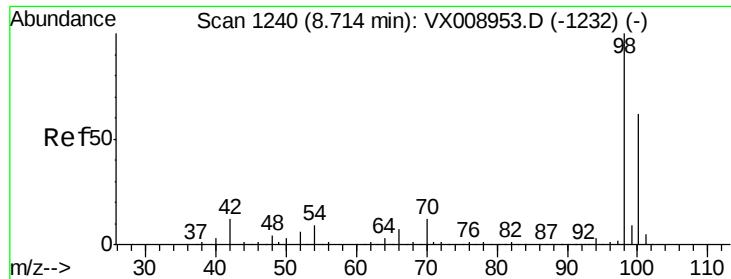


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

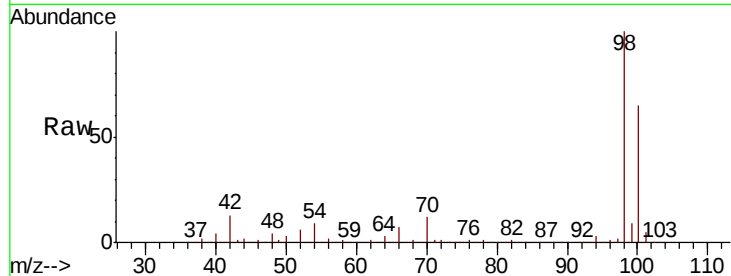




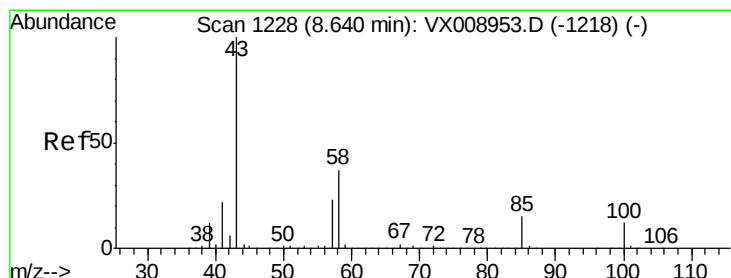
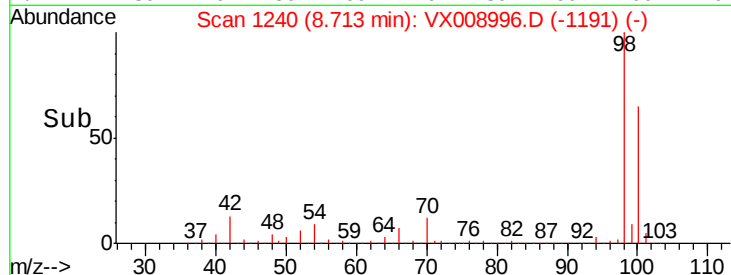
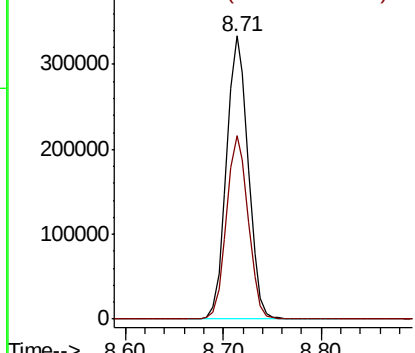
#50
Toluene-d8
Concen: 48.980 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX008996.D
Acq: 16 Apr 2019 18:34

Instrument :
MSVOA_X
ClientSampleId :
RW-6

Tot Ion: 98 Resp: 514513
Ion Ratio Lower Upper
98 100
100 64.6 51.4 77.2

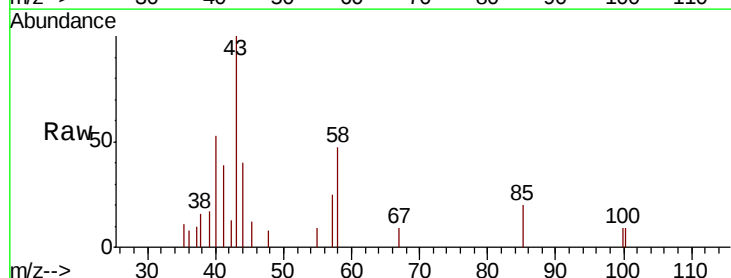


Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): V>

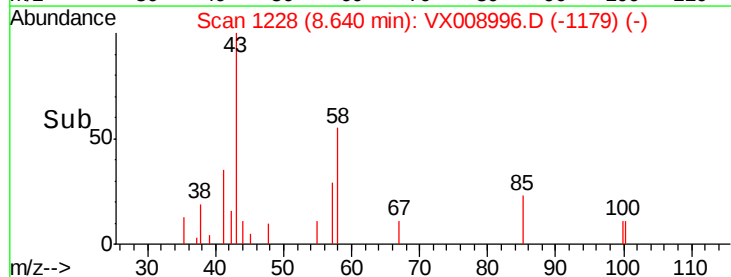
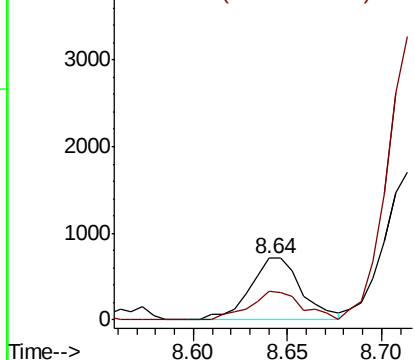


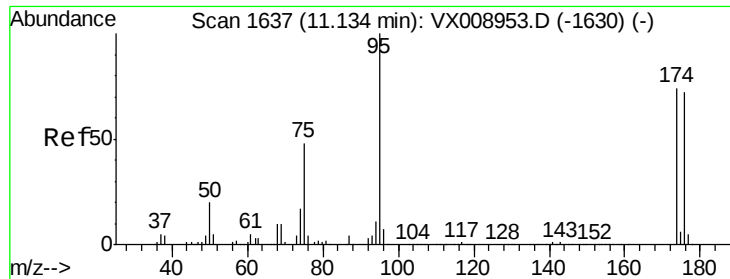
#51
4-Methyl-2-Pentanone
Concen: 0.240 ug/l
RT: 8.64 min Scan# 1228
Delta R.T. -0.00 min
Lab File: VX008996.D
Acq: 16 Apr 2019 18:34

Tgt Ion: 43 Resp: 1347
Ion Ratio Lower Upper
43 100
58 46.5 29.8 44.6#



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

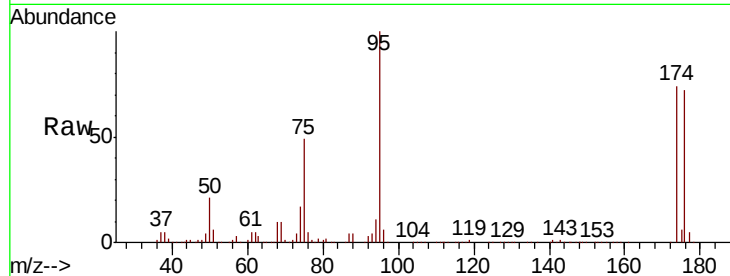




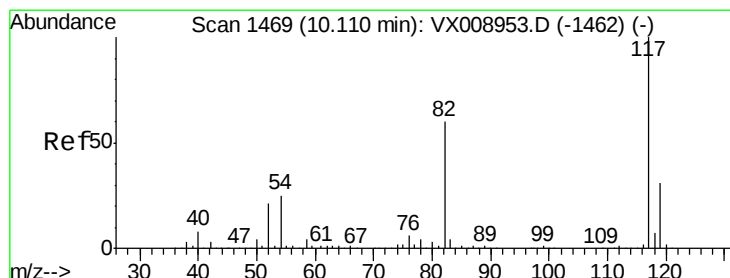
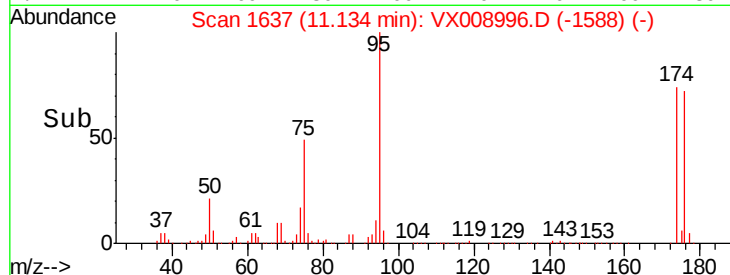
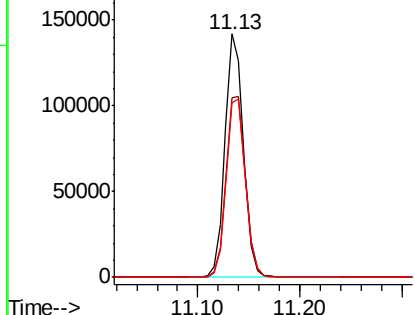
#62
4-Bromofluorobenzene
Concen: 47.641 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX008996.D
Acq: 16 Apr 2019 18:34

Instrument :
MSVOA_X
ClientSampleId :
RW-6

Tot Ion: 95 Resp: 176659
Ion Ratio Lower Upper
95 100
174 78.6 0.0 159.6
176 76.1 0.0 154.8

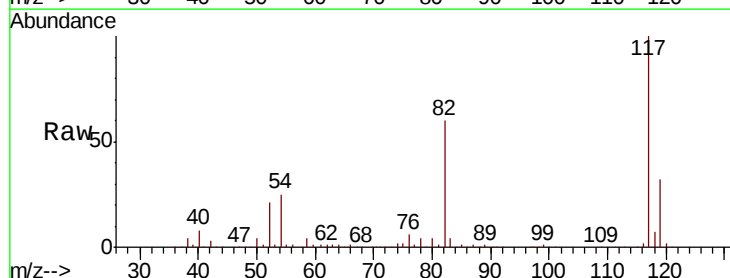


Abundance Ion 94.90 (94.60 to 95.60): VX0
Ion 173.80 (173.50 to 174.50): V
Ion 175.80 (175.50 to 176.50): V

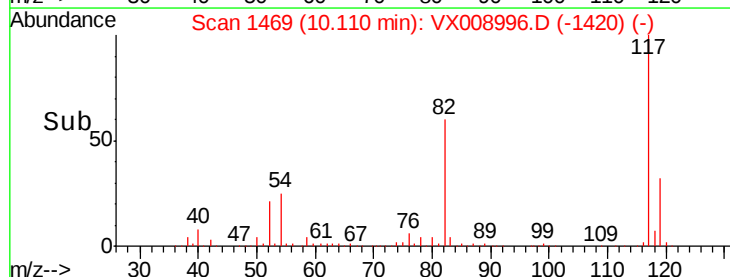
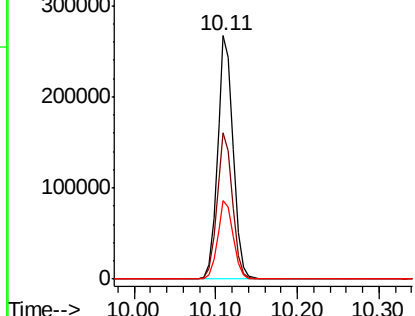


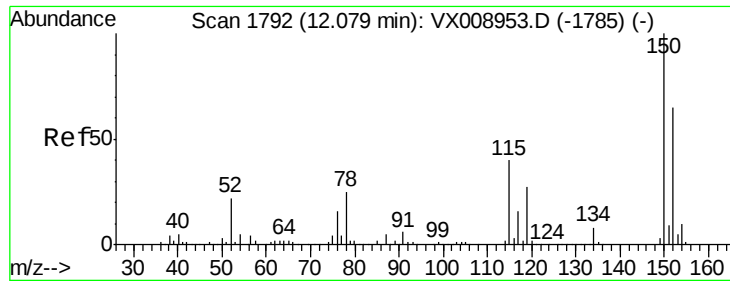
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX008996.D
Acq: 16 Apr 2019 18:34

Tgt Ion: 117 Resp: 358573
Ion Ratio Lower Upper
117 100
82 60.3 48.2 72.4
119 32.5 25.0 37.6



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: VX008996.D

Acq: 16 Apr 2019 18:34

Instrument :

MSVOA_X

ClientSampled :

RW-6

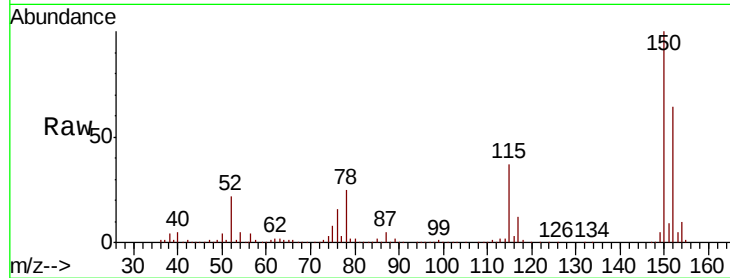
Tot Ion:152 Resp: 156939

Ion Ratio Lower Upper

152 100

115 60.0 41.4 124.2

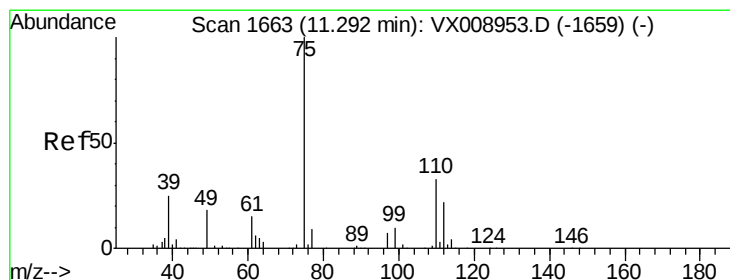
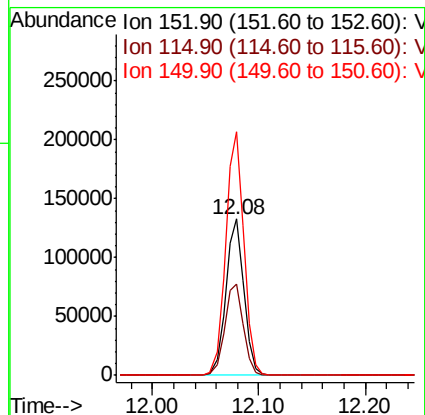
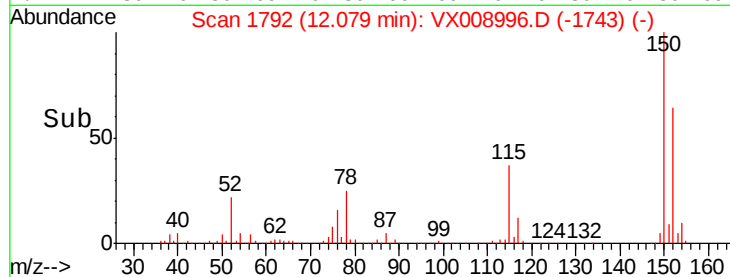
150 157.1 0.0 349.8



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: 23.021 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX008996.D

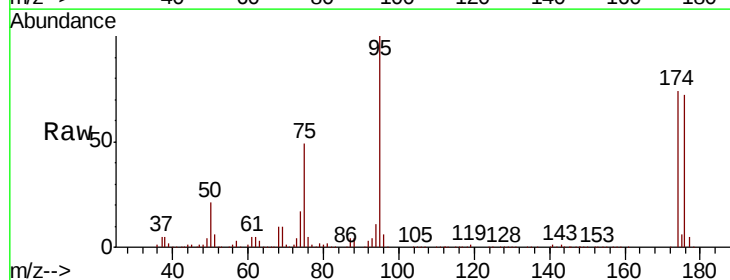
Acq: 16 Apr 2019 18:34

Tgt Ion: 75 Resp: 88219

Ion Ratio Lower Upper

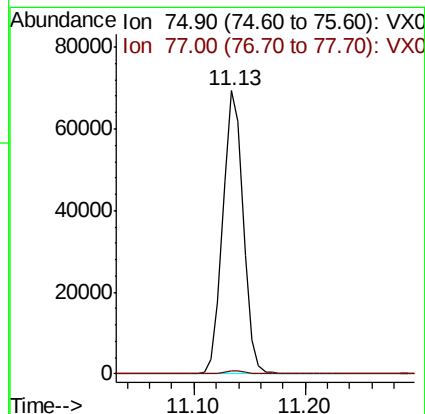
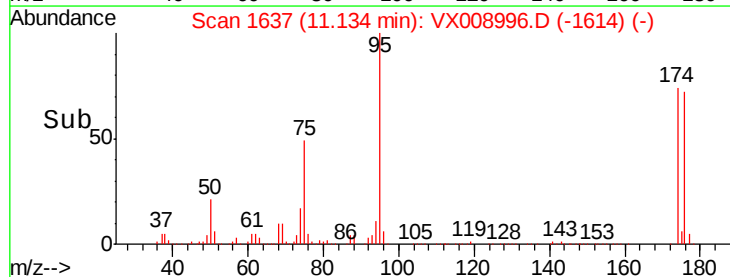
75 100

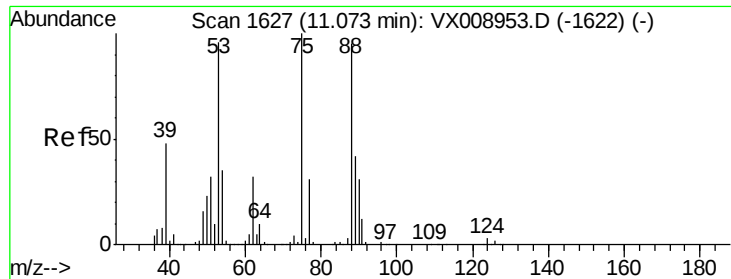
77 1.3 22.7 68.0#



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: 59.101 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX008996.D

Acq: 16 Apr 2019 18:34

Instrument :

MSVOA_X

ClientSampleId :

RW-6

Tot Ion: 75 Resp: 88219

Ion Ratio Lower Upper

75 100

53 0.1 78.2 117.4#

89 0.0 36.0 54.0#

