

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX041919\
 Data File : VX009067.D
 Acq On : 19 Apr 2019 13:57
 Operator : JC/SP
 Sample : K2449-12DL 4X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SS037MW309-190416DL

Quant Time: Apr 20 00:38:25 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X041519W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 17 06:47:58 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	239077	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	387397	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	334955	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	141095	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	160647	47.68	ug/l	0.00
Spiked Amount			Recovery	=	95.36%	
35) Dibromofluoromethane	5.50	113	117220	47.15	ug/l	0.00
Spiked Amount			Recovery	=	94.30%	
50) Toluene-d8	8.71	98	482980	48.71	ug/l	0.00
Spiked Amount			Recovery	=	97.42%	
62) 4-Bromofluorobenzene	11.13	95	158238	45.21	ug/l	0.00
Spiked Amount			Recovery	=	90.42%	

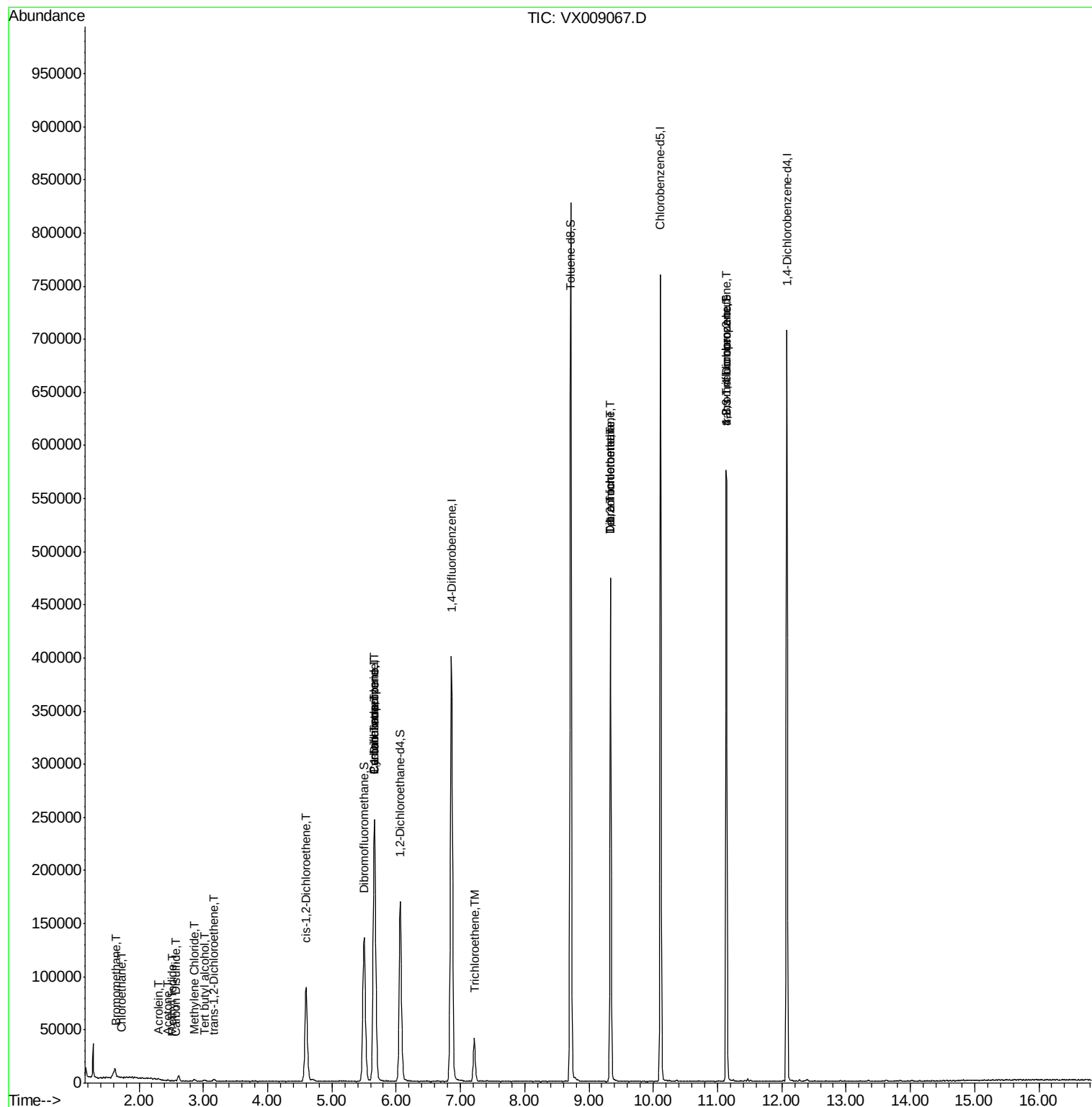
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	673	4.150	ug/l #	80
6) Chloroethane	1.73	64	874	0.452	ug/l #	44
10) Methyl Iodide	2.52	142	376	4.542	ug/l #	77
11) Tert butyl alcohol	3.02	59	988	1.321	ug/l	97
13) Acrolein	2.30	56	192	0.297	ug/l #	1
16) Acetone	2.45	43	1263	0.723	ug/l	89
17) Carbon Disulfide	2.57	76	1087	1.393	ug/l #	75
20) Methylene Chloride	2.86	84	794	0.266	ug/l	92
21) trans-1,2-Dichloroethene	3.17	96	647	0.237	ug/l #	61
27) cis-1,2-Dichloroethene	4.60	96	54847	17.665	ug/l	91
28) Bromochloromethane	5.02	49	120	Below Cal	#	21
31) Cyclohexane	5.66	56	5383	1.003	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	19229	4.799	ug/l #	50
38) Carbon Tetrachloride	5.66	117	22522	6.631	ug/l #	17
44) Trichloroethene	7.21	130	15800	5.456	ug/l	97
55) 1,1,2-Trichloroethane	9.34	97	812	0.289	ug/l #	1
60) Dibromochloromethane	9.34	129	85912	31.929	ug/l #	10
64) Tetrachloroethene	9.34	164	90173	35.437	ug/l	98
76) 1,2,3-Trichloropropane	11.13	75	79736	23.144	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.13	75	79736	59.416	ug/l #	11

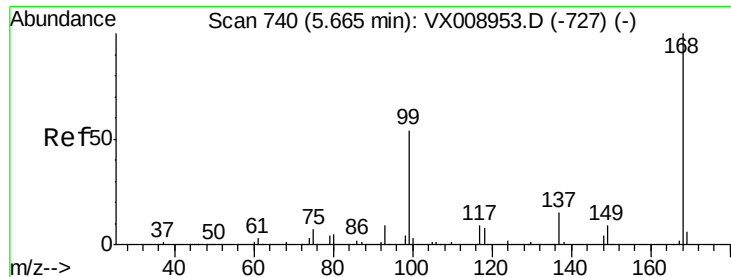
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Apr 17 06:47:58 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: VX009067.D

Acq: 19 Apr 2019 13:57

Instrument :

MSVOA_X

ClientSampleId :

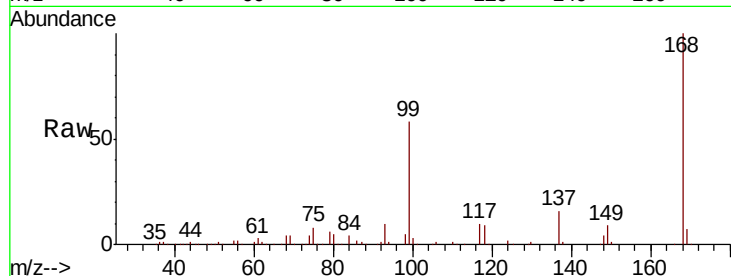
SS037MW309-190416DL

Tot Ion:168 Resp: 239077

Ion Ratio Lower Upper

168 100

99 57.6 43.0 64.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

80000

60000

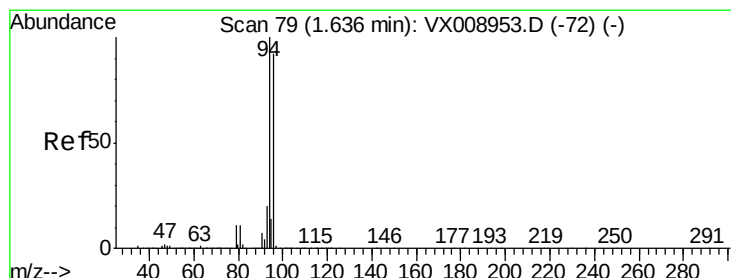
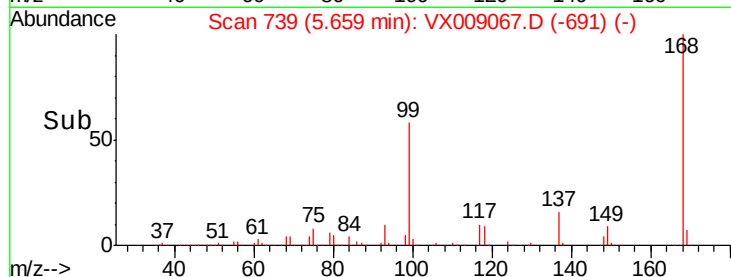
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: 4.150 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.01 min

Lab File: VX009067.D

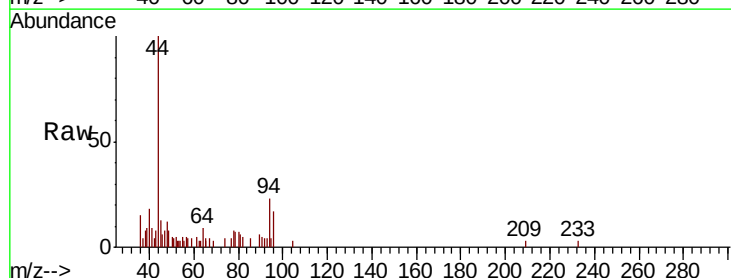
Acq: 19 Apr 2019 13:57

Tgt Ion: 94 Resp: 673

Ion Ratio Lower Upper

94 100

96 73.0 73.9 110.9#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

400

300

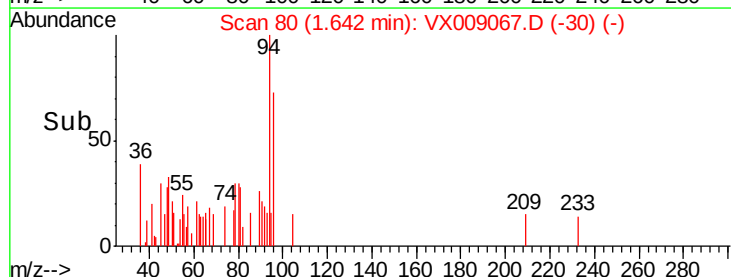
200

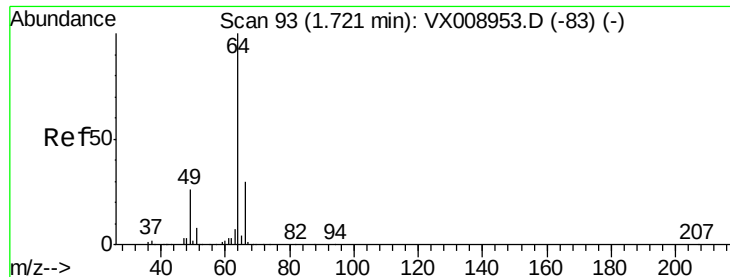
100

0

Time-->

1.60 1.65 1.70





#6

Chloroethane

Concen: 0.452 ug/l

RT: 1.73 min Scan# 95

Delta R.T. 0.01 min

Lab File: VX009067.D

Acq: 19 Apr 2019 13:57

Instrument :

MSVOA_X

ClientSampleId :

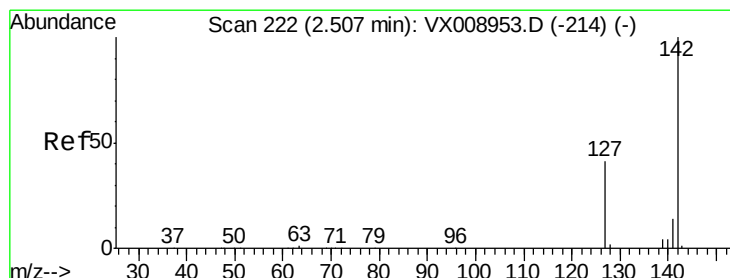
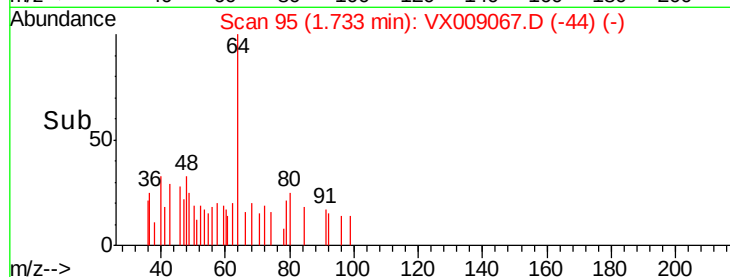
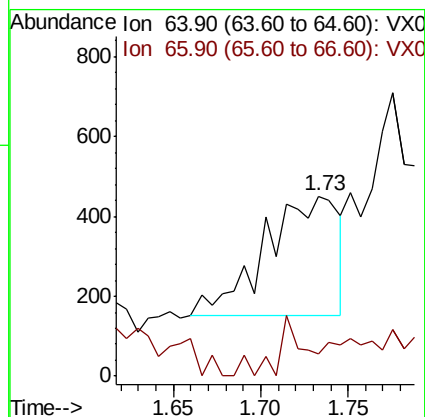
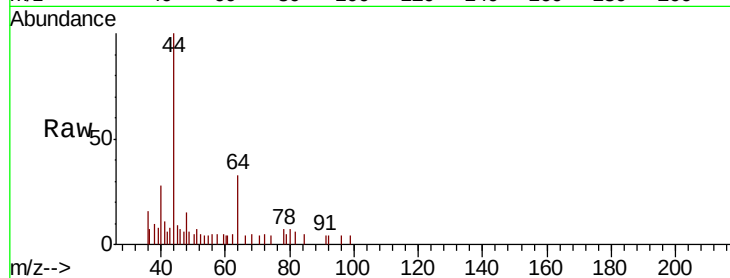
SS037MW309-190416DL

Tot Ion: 64 Resp: 874

Ion Ratio Lower Upper

64 100

66 0.0 24.2 36.2#



#10

Methyl Iodide

Concen: 4.542 ug/l

RT: 2.52 min Scan# 224

Delta R.T. 0.01 min

Lab File: VX009067.D

Acq: 19 Apr 2019 13:57

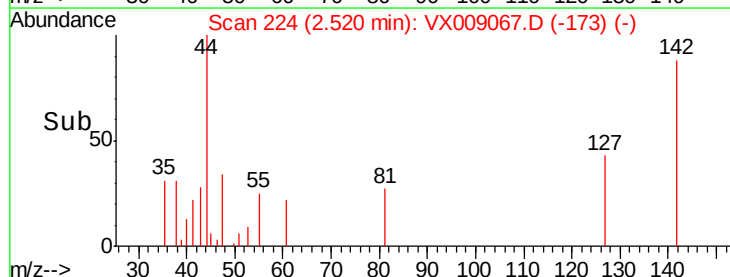
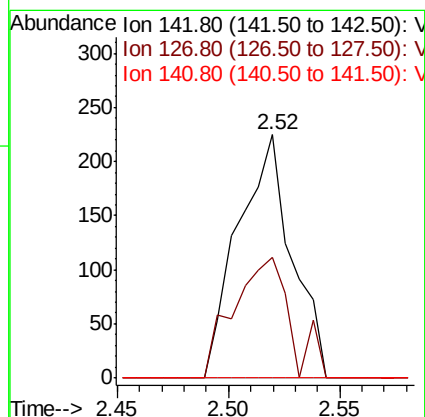
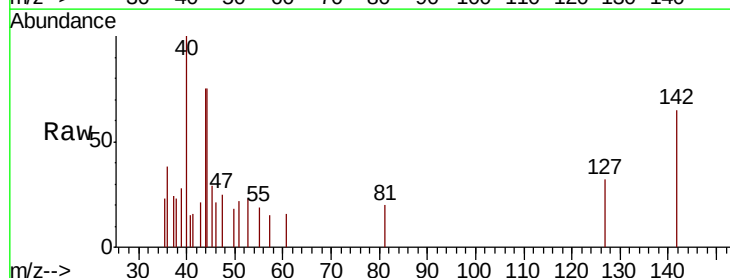
Tgt Ion: 142 Resp: 376

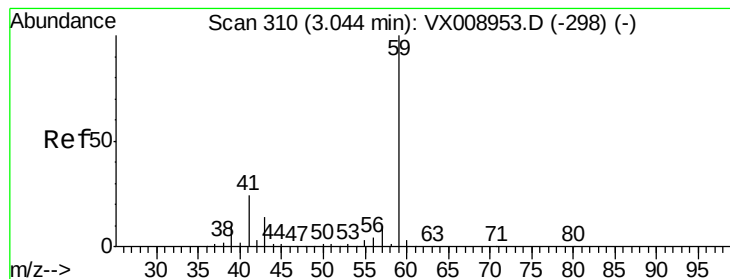
Ion Ratio Lower Upper

142 100

127 52.7 32.8 49.2#

141 0.0 11.4 17.2#



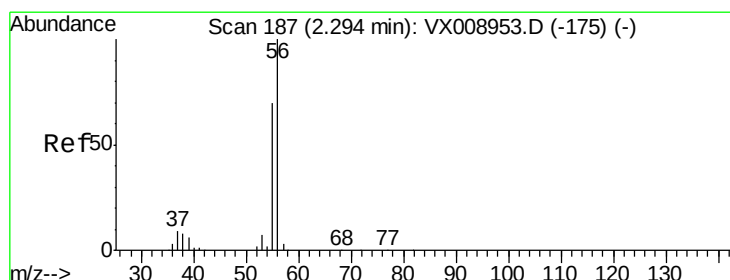
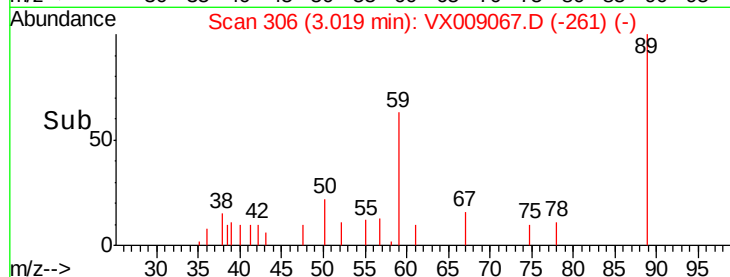
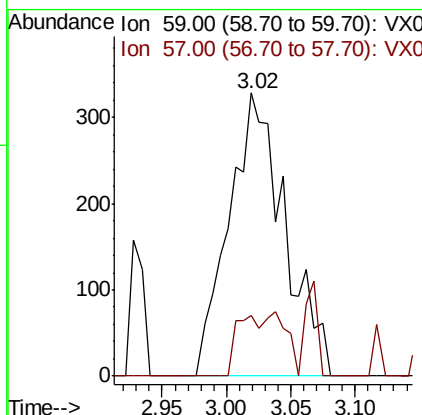
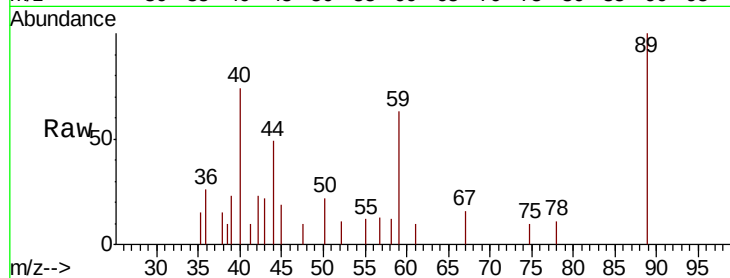


#11

Tert butyl alcohol
 Concen: 1.321 ug/l
 RT: 3.02 min Scan# 306
 Delta R.T. -0.02 min
 Lab File: VX009067.D
 Acq: 19 Apr 2019 13:57

Instrument :
 MSVOA_X
 ClientSampleId :
 SS037MW309-190416DL

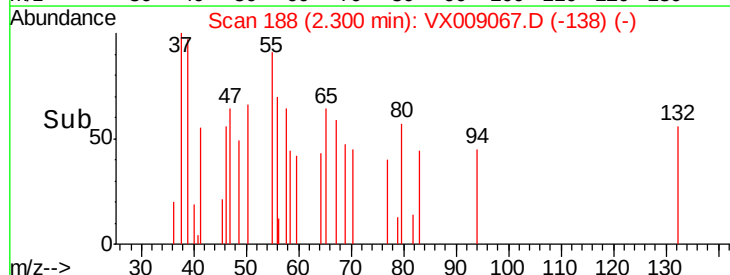
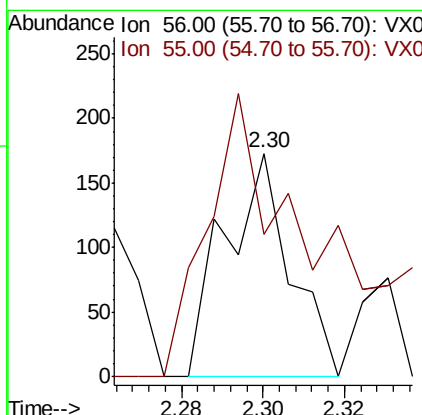
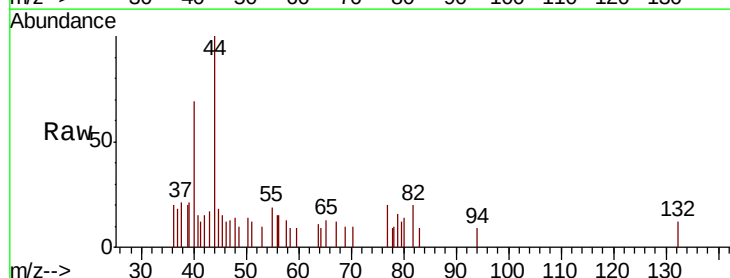
Tot Ion: 59 Resp: 988
 Ion Ratio Lower Upper
 59 100
 57 9.4 8.4 12.6

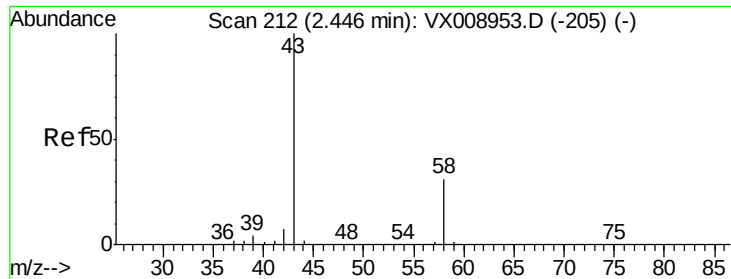


#13

Acrolein
 Concen: 0.297 ug/l
 RT: 2.30 min Scan# 188
 Delta R.T. 0.01 min
 Lab File: VX009067.D
 Acq: 19 Apr 2019 13:57

Tgt Ion: 56 Resp: 192
 Ion Ratio Lower Upper
 56 100
 55 209.4 56.6 84.8#





#16

Acetone

Concen: 0.723 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX009067.D

Acq: 19 Apr 2019 13:57

Instrument :

MSVOA_X

ClientSampleId :

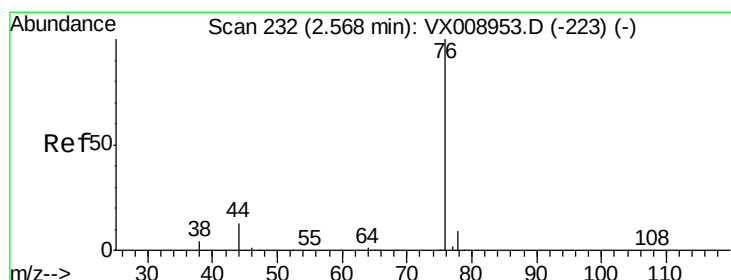
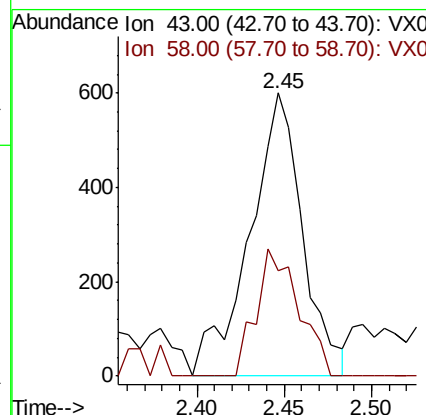
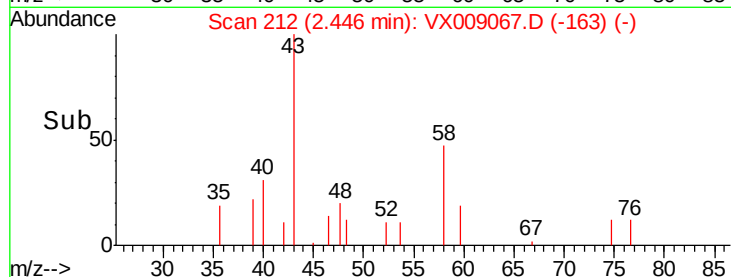
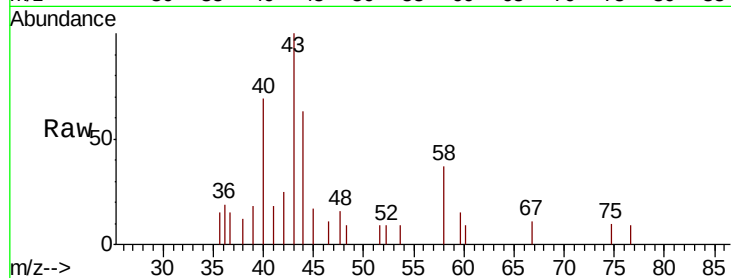
SS037MW309-190416DL

Tot Ion: 43 Resp: 1263

Ion Ratio Lower Upper

43 100

58 37.2 24.8 37.2



#17

Carbon Disulfide

Concen: 1.393 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX009067.D

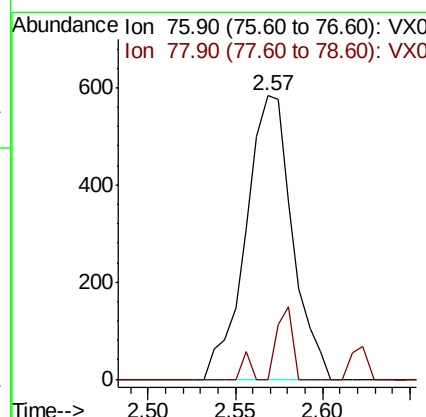
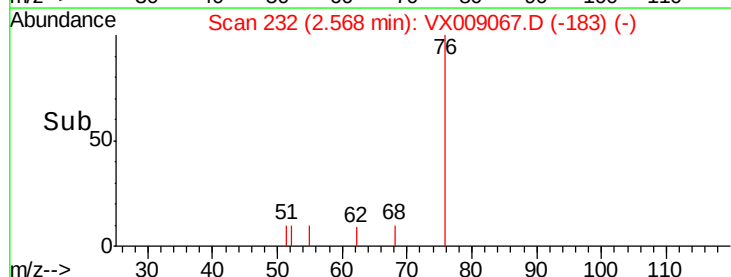
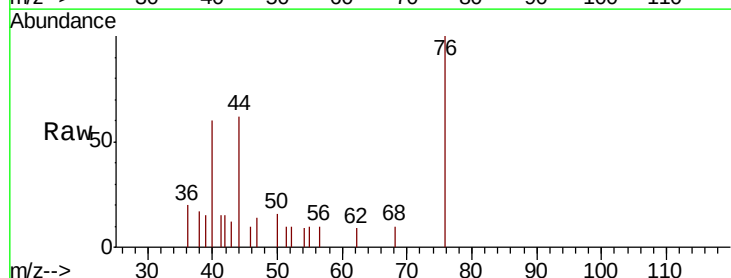
Acq: 19 Apr 2019 13:57

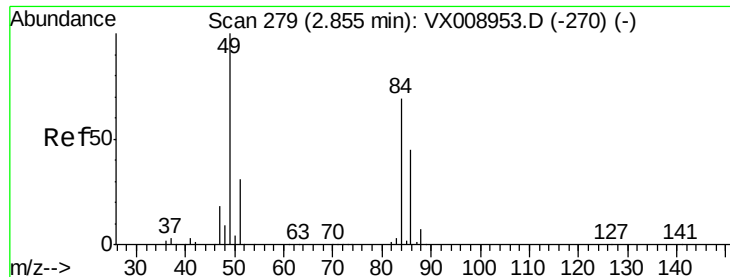
Tgt Ion: 76 Resp: 1087

Ion Ratio Lower Upper

76 100

78 0.0 7.2 10.8#

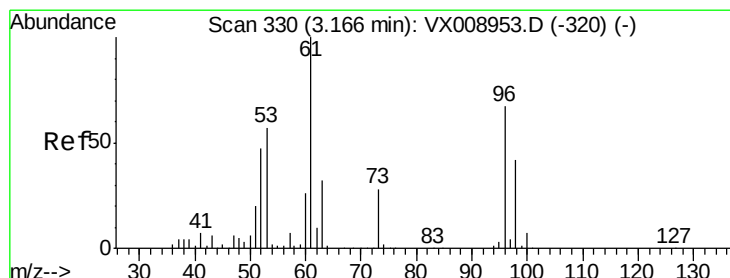
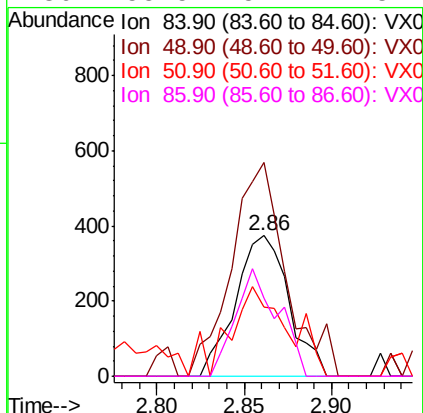
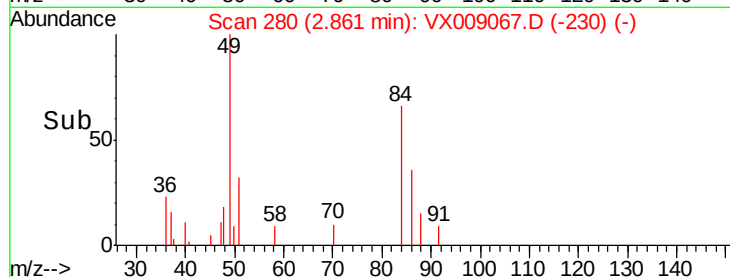
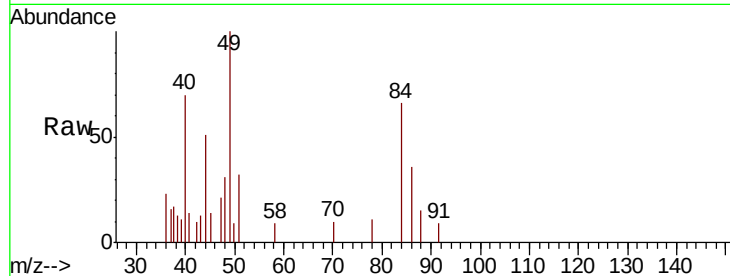




#20
Methylene Chloride
Concen: 0.266 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.01 min
Lab File: VX009067.D
Acq: 19 Apr 2019 13:57

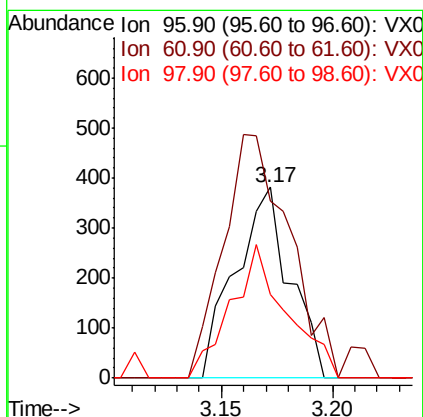
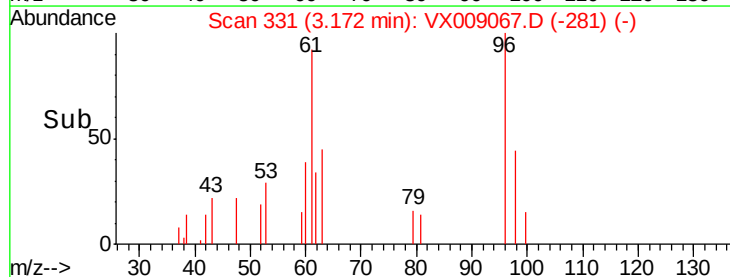
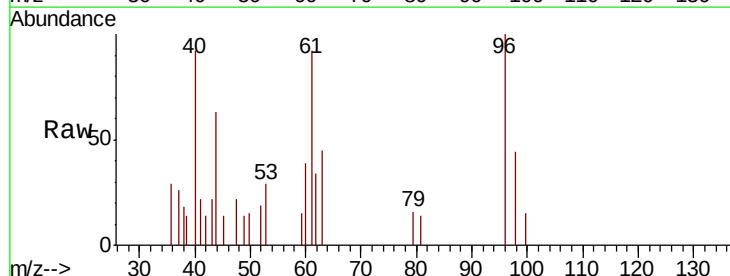
Instrument :
MSVOA_X
ClientSampleId :
SS037MW309-190416DL

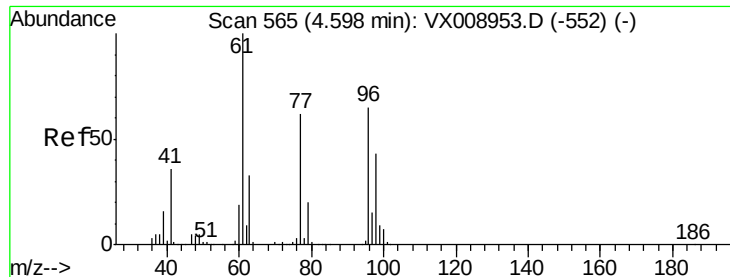
Tot Ion: 84 Resp: 794
Ion Ratio Lower Upper
84 100
49 152.3 115.4 173.0
51 49.3 35.8 53.6
86 55.5 52.1 78.1



#21
trans-1,2-Dichloroethene
Concen: 0.237 ug/l
RT: 3.17 min Scan# 331
Delta R.T. 0.01 min
Lab File: VX009067.D
Acq: 19 Apr 2019 13:57

Tgt Ion: 96 Resp: 647
Ion Ratio Lower Upper
96 100
61 92.4 120.3 180.5#
98 43.7 50.2 75.2#



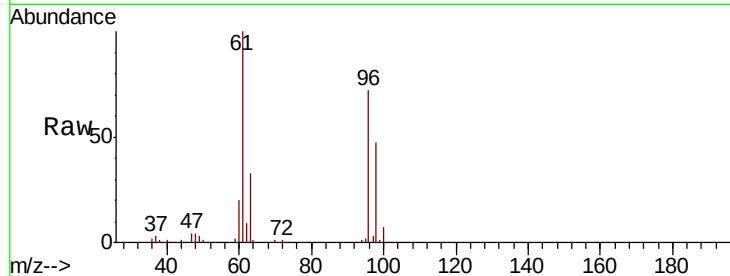


#27

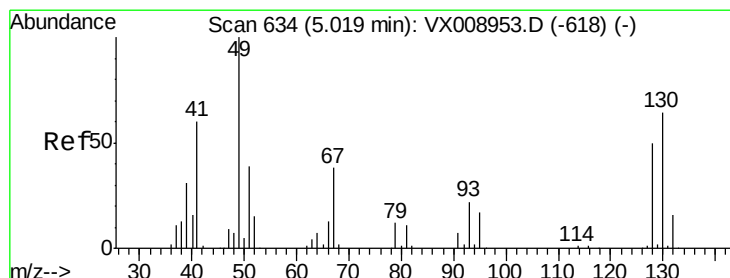
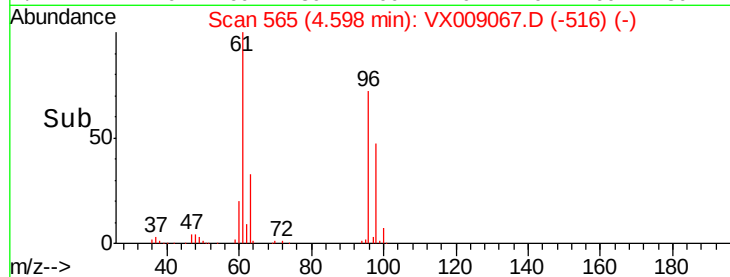
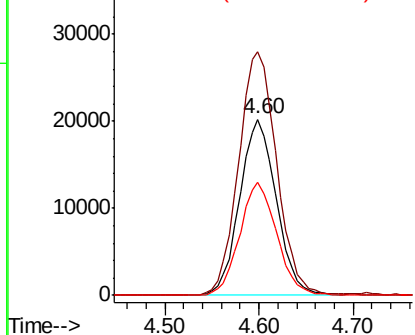
cis-1,2-Dichloroethene
 Concen: 17.665 ug/l
 RT: 4.60 min Scan# 565
 Delta R.T. 0.00 min
 Lab File: VX009067.D
 Acq: 19 Apr 2019 13:57

Instrument :
 MSVOA_X
 ClientSampleId :
 SS037MW309-190416DL

Tot Ion	Ratio	Lower	Upper
96	100		
61	144.0	0.0	322.0
98	64.8	0.0	128.4



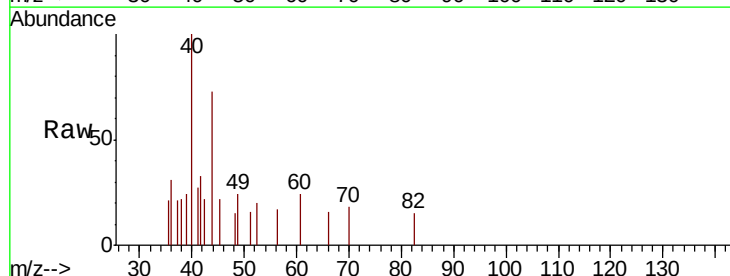
Abundance Ion 95.90 (95.60 to 96.60): VX0
 Ion 60.90 (60.60 to 61.60): VX0
 Ion 97.90 (97.60 to 98.60): VX0



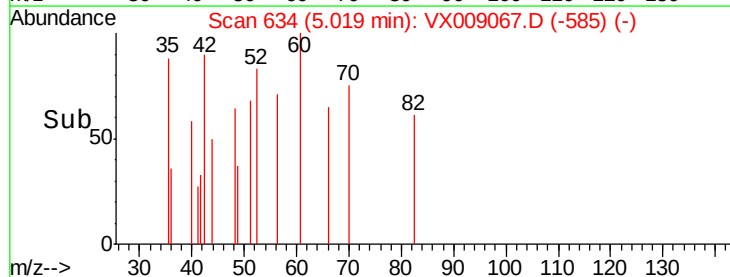
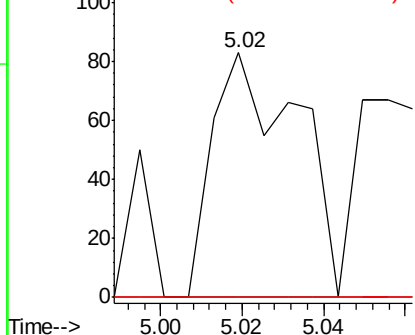
#28

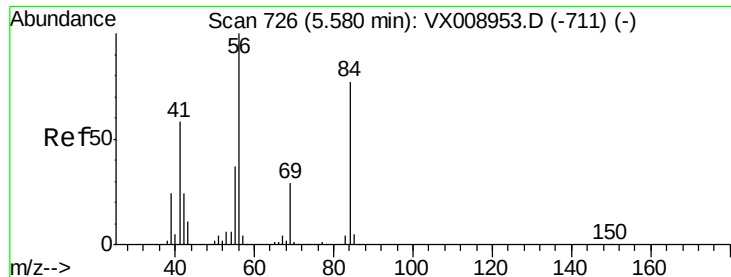
Bromochloromethane
 Concen: Below Cal
 RT: 5.02 min Scan# 634
 Delta R.T. 0.00 min
 Lab File: VX009067.D
 Acq: 19 Apr 2019 13:57

Tgt 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

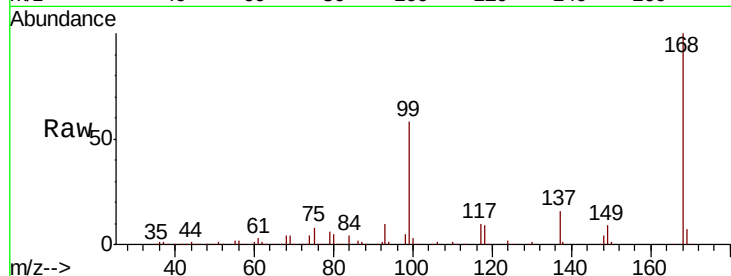




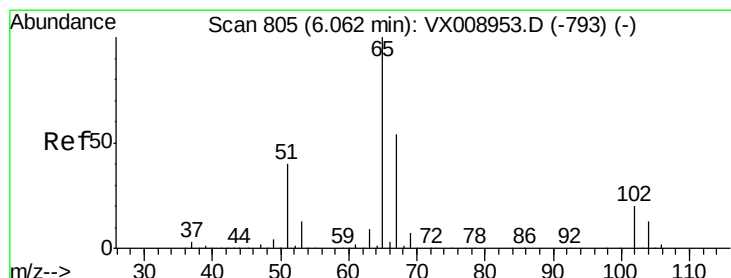
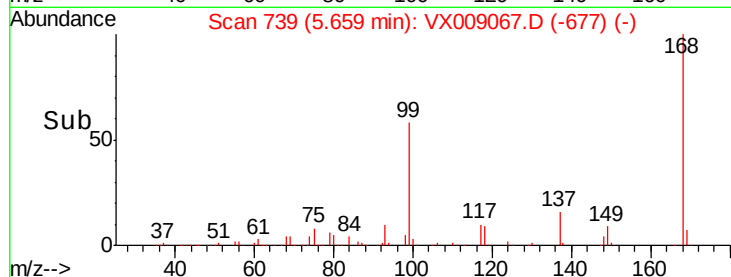
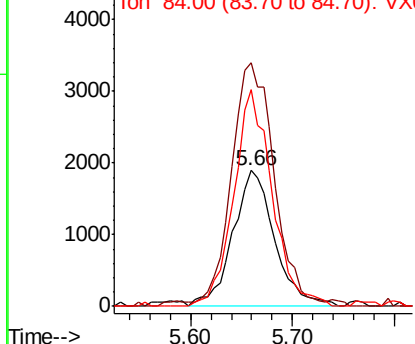
#31
Cyclohexane
Concen: 1.003 ug/l
RT: 5.66 min Scan# 739
Delta R.T. 0.08 min
Lab File: VX009067.D
Acq: 19 Apr 2019 13:57

Instrument :
MSVOA_X
ClientSampleId :
SS037MW309-190416DL

Tot Ion: 56 Resp: 5383
Ion Ratio Lower Upper
56 100
69 176.5 23.3 34.9#
84 160.5 61.7 92.5#

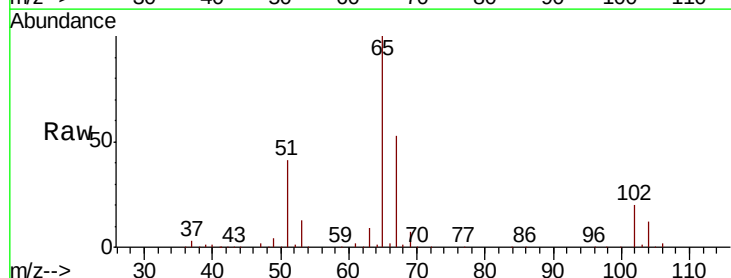


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

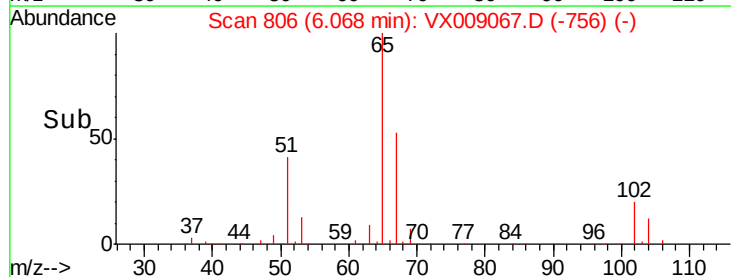
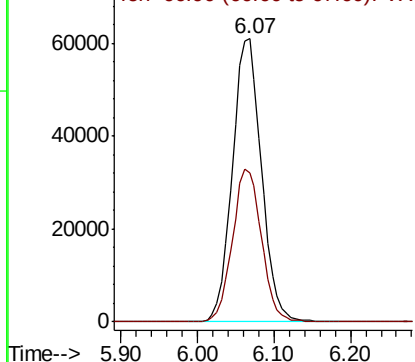


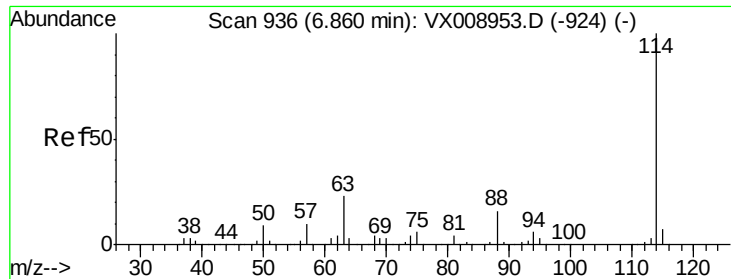
#33
1,2-Dichloroethane-d4
Concen: 47.680 ug/l
RT: 6.07 min Scan# 806
Delta R.T. 0.01 min
Lab File: VX009067.D
Acq: 19 Apr 2019 13:57

Tgt Ion: 65 Resp: 160647
Ion Ratio Lower Upper
65 100
67 53.7 0.0 108.6



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

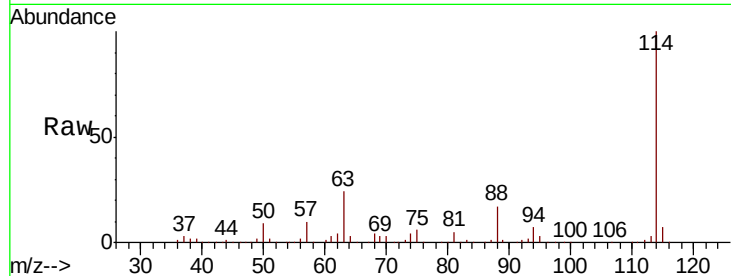




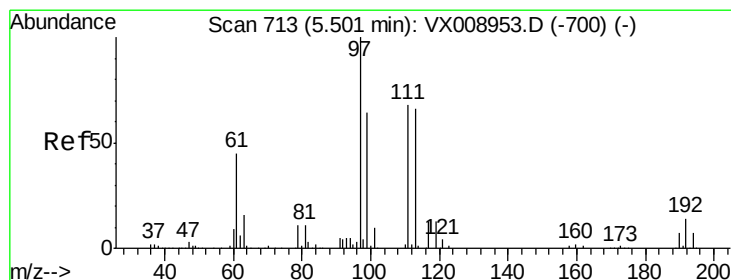
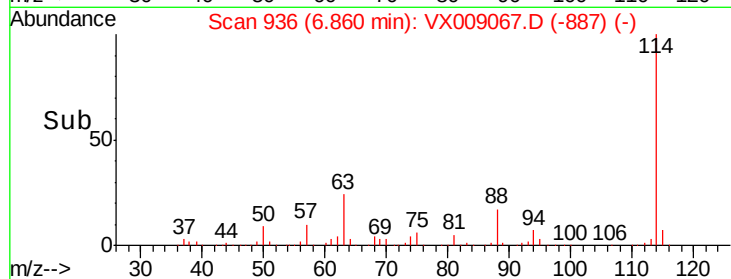
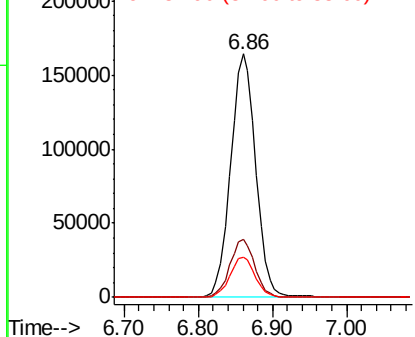
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.86 min Scan# 936
Delta R.T. 0.00 min
Lab File: VX009067.D
Acq: 19 Apr 2019 13:57

Instrument :
MSVOA_X
ClientSampleId :
SS037MW309-190416DL

Tot Ion:114 Resp: 387397
Ion Ratio Lower Upper
114 100
63 23.9 0.0 46.0
88 16.7 0.0 32.6

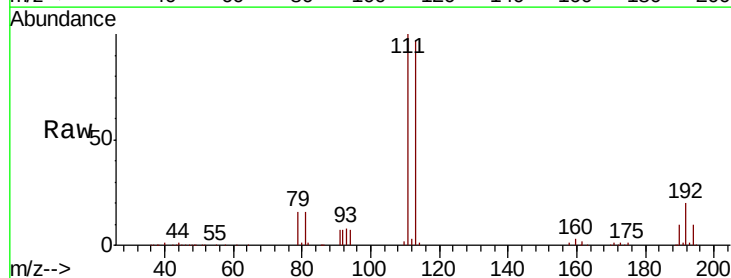


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VX0
Ion 87.90 (87.60 to 88.60): VX0

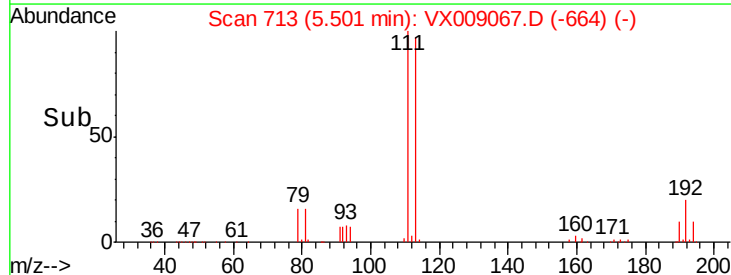
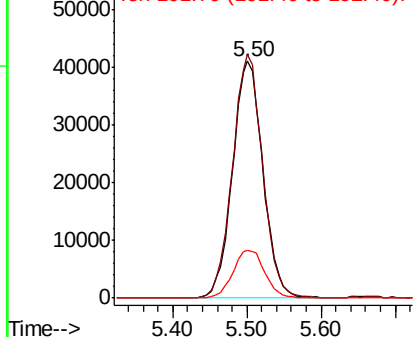


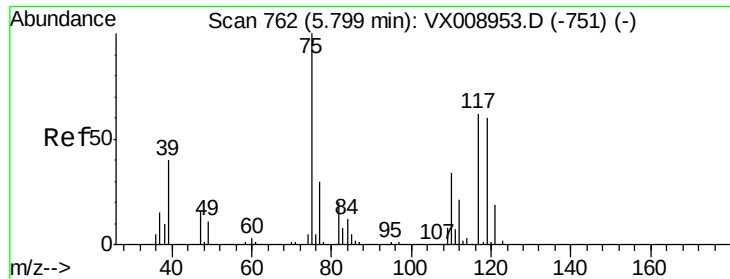
#35
Dibromofluoromethane
Concen: 47.148 ug/l
RT: 5.50 min Scan# 713
Delta R.T. 0.00 min
Lab File: VX009067.D
Acq: 19 Apr 2019 13:57

Tgt Ion:113 Resp: 117220
Ion Ratio Lower Upper
113 100
111 102.2 82.9 124.3
192 21.2 17.4 26.0



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

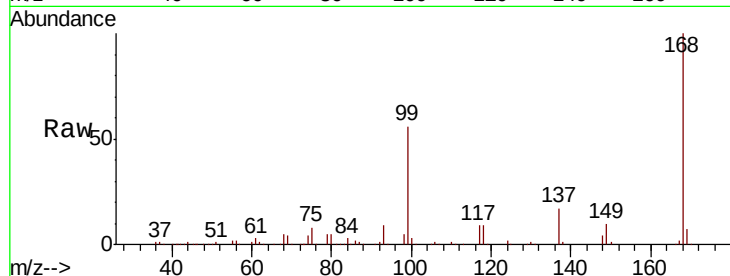




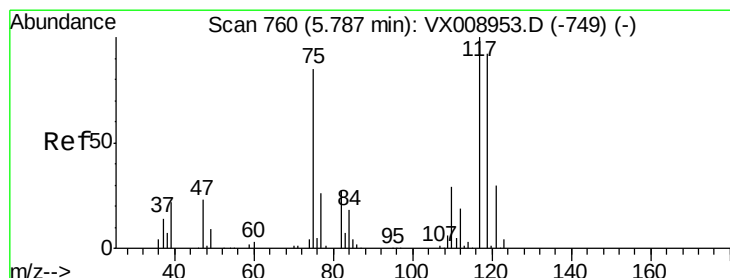
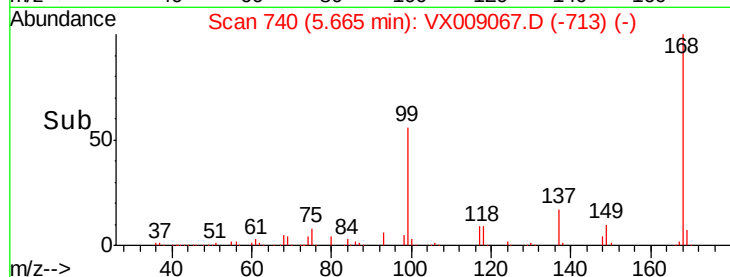
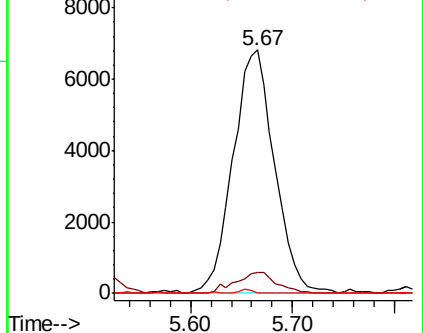
#36
 1,1-Dichloropropene
 Concen: 4.799 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.13 min
 Lab File: VX009067.D
 Acq: 19 Apr 2019 13:57

Instrument :
 MSVOA_X
 ClientSampleId :
 SS037MW309-190416DL

Tot Ion	75	Resp	19229
Ion Ratio	Lower	Upper	
75	100		
110	8.6	16.9	50.7#
77	0.4	25.0	37.4#

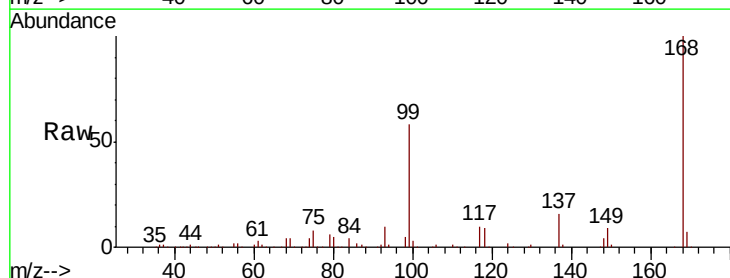


Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VX0

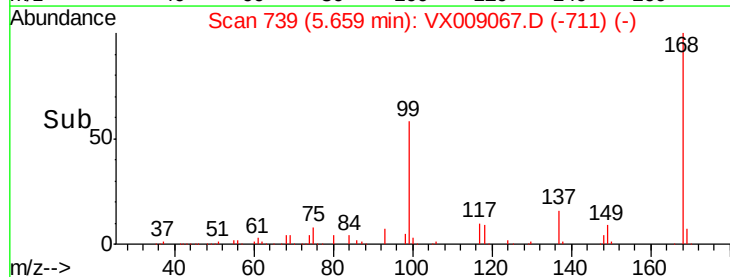
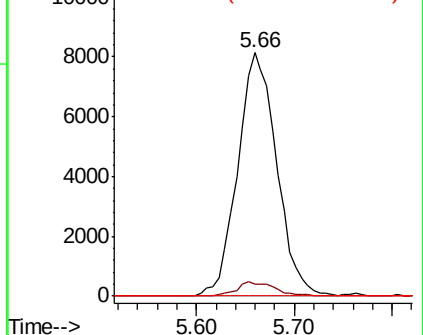


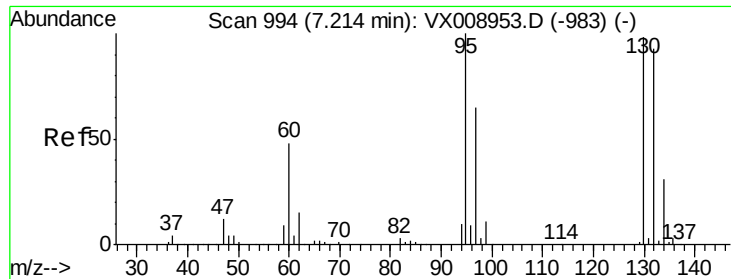
#38
 Carbon Tetrachloride
 Concen: 6.631 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.13 min
 Lab File: VX009067.D
 Acq: 19 Apr 2019 13:57

Tgt Ion	117	Resp	22522
Ion Ratio	Lower	Upper	
117	100		
119	4.7	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

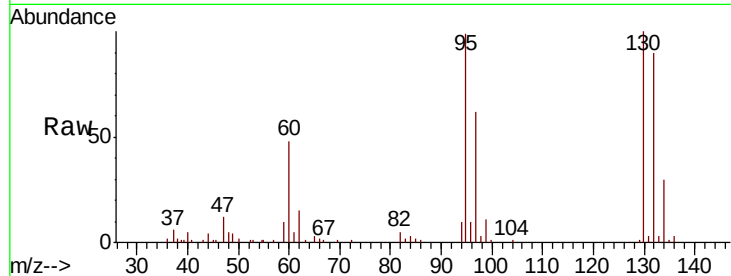




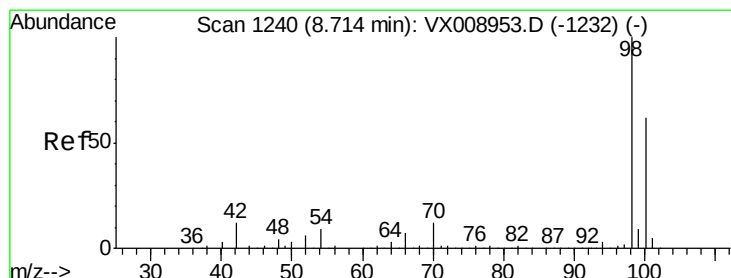
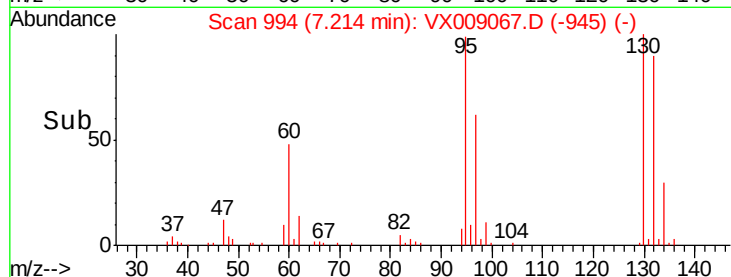
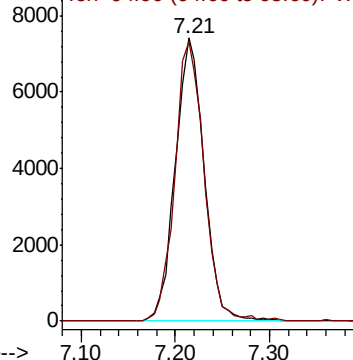
#44
 Trichloroethene
 Concen: 5.456 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. 0.00 min
 Lab File: VX009067.D
 Acq: 19 Apr 2019 13:57

Instrument :
 MSVOA_X
 ClientSampleId :
 SS037MW309-190416DL

Tot Ion:130 Resp: 15800
 Ion Ratio Lower Upper
 130 100
 95 98.8 0.0 203.2

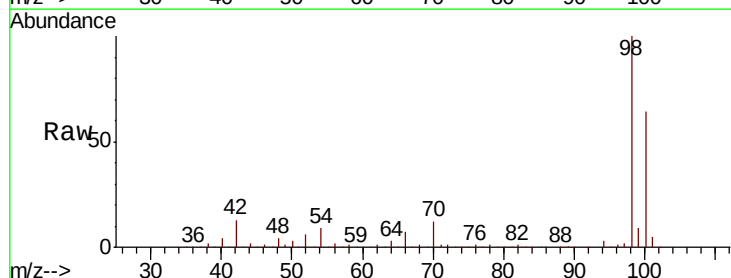


Abundance Ion 129.80 (129.50 to 130.50): V
 Ion 94.90 (94.60 to 95.60): VX0

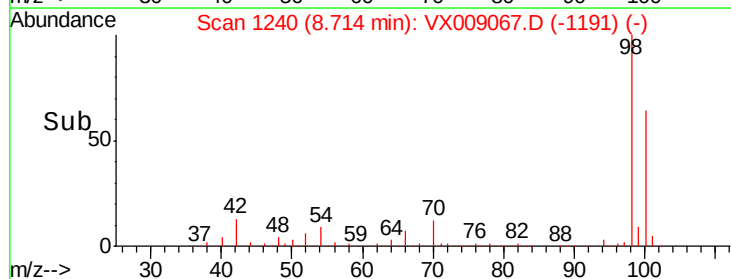
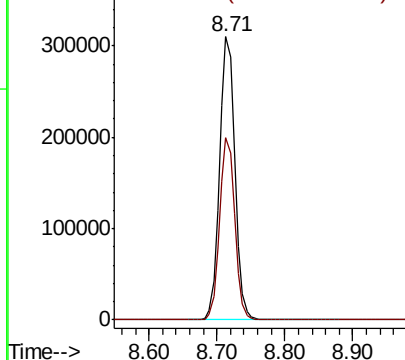


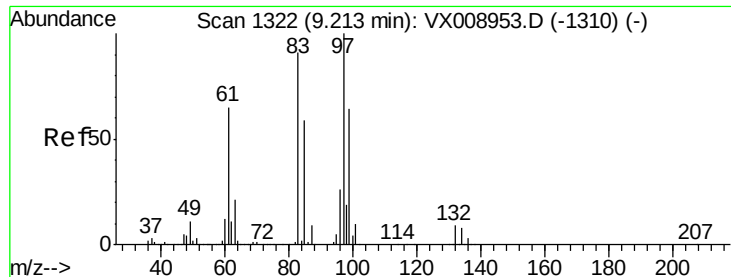
#50
 Toluene-d8
 Concen: 48.711 ug/l
 RT: 8.71 min Scan# 1240
 Delta R.T. 0.00 min
 Lab File: VX009067.D
 Acq: 19 Apr 2019 13:57

Tgt Ion: 98 Resp: 482980
 Ion Ratio Lower Upper
 98 100
 100 63.9 51.4 77.2



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





#55

1,1,2-Trichloroethane

Concen: 0.289 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. 0.12 min

Lab File: VX009067.D

Acq: 19 Apr 2019 13:57

Instrument :

MSVOA_X

ClientSampleId :

SS037MW309-190416DL

Tot Ion: 97 Resp: 812

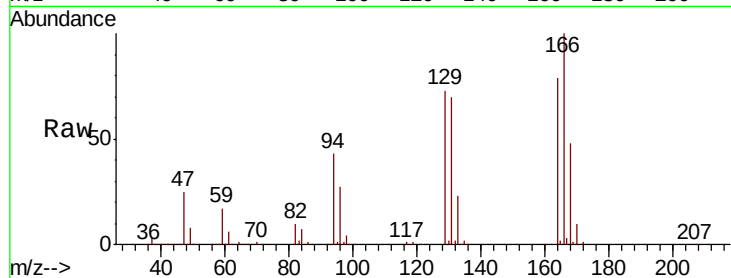
Ion Ratio Lower Upper

97 100

83 327.9 72.6 108.8#

85 47.9 46.9 70.3

99 20.6 51.0 76.6#



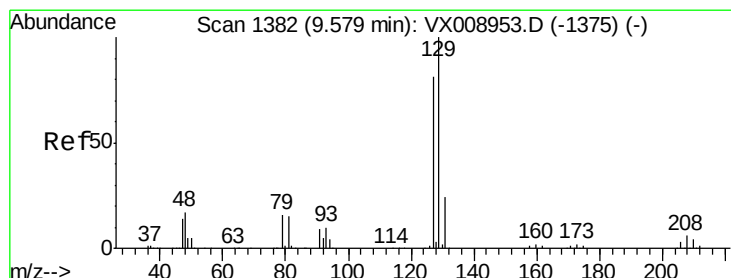
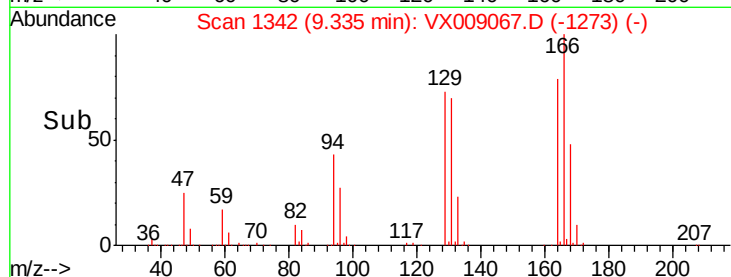
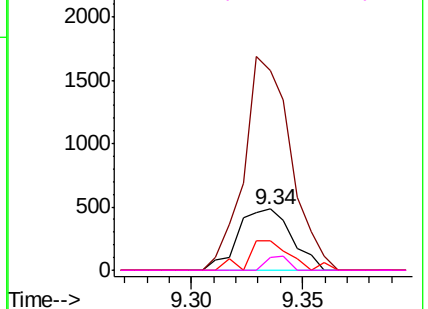
Abundance

Ion 96.90 (96.60 to 97.60): VX0

Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 98.90 (98.60 to 99.60): VX0



#60

Dibromochloromethane

Concen: 31.929 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. -0.24 min

Lab File: VX009067.D

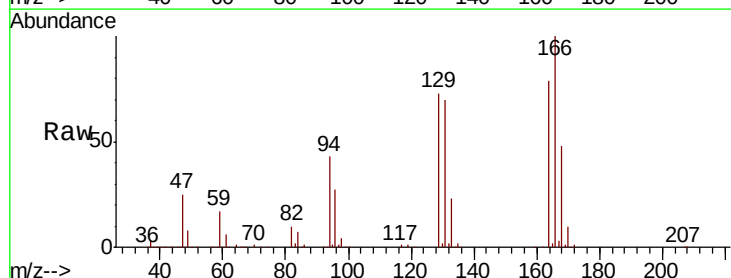
Acq: 19 Apr 2019 13:57

Tgt Ion: 129 Resp: 85912

Ion Ratio Lower Upper

129 100

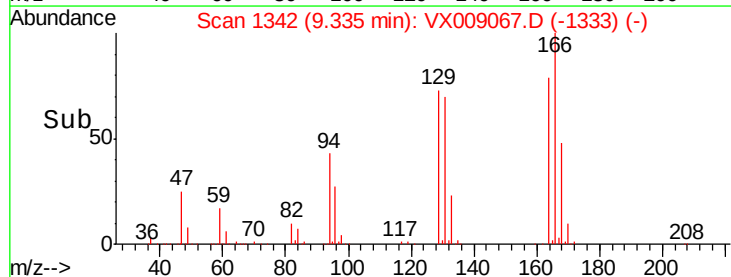
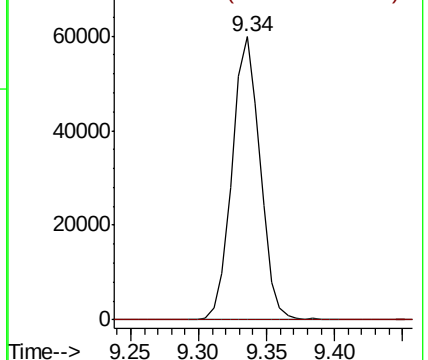
127 0.0 39.1 117.2#

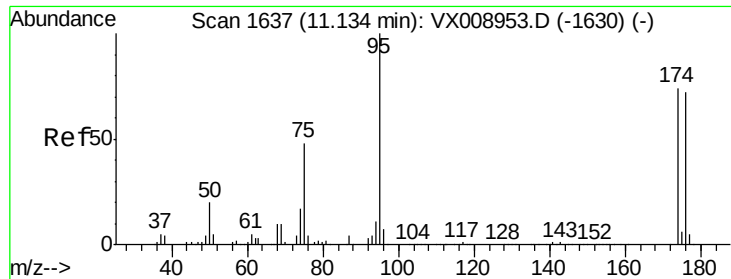


Abundance

Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V





#62

4-Bromofluorobenzene

Concen: 45.210 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX009067.D

Acq: 19 Apr 2019 13:57

Instrument :

MSVOA_X

ClientSampleId :

SS037MW309-190416DL

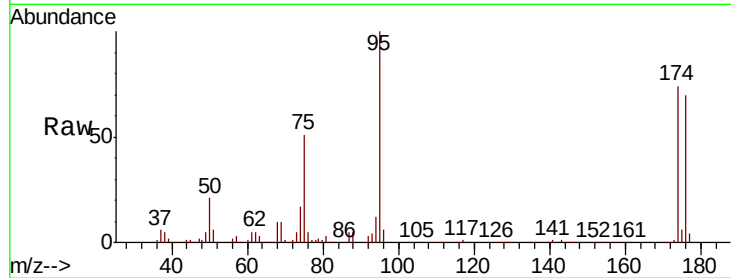
Tot Ion: 95 Resp: 158238

Ion Ratio Lower Upper

95 100

174 79.4 0.0 159.6

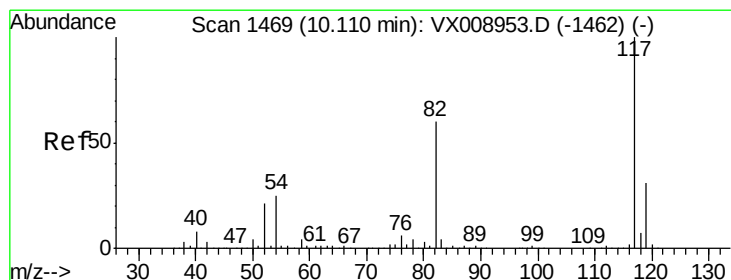
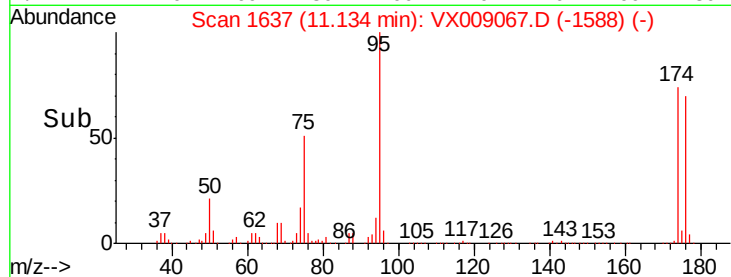
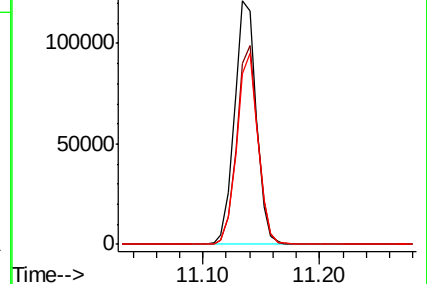
176 76.1 0.0 154.8



Abundance Ion 94.90 (94.60 to 95.60): VX008953.D (-1630) (-)

Ion 173.80 (173.50 to 174.50): VX008953.D (-1630) (-)

Ion 175.80 (175.50 to 176.50): VX008953.D (-1630) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.12 min Scan# 1470

Delta R.T. 0.01 min

Lab File: VX009067.D

Acq: 19 Apr 2019 13:57

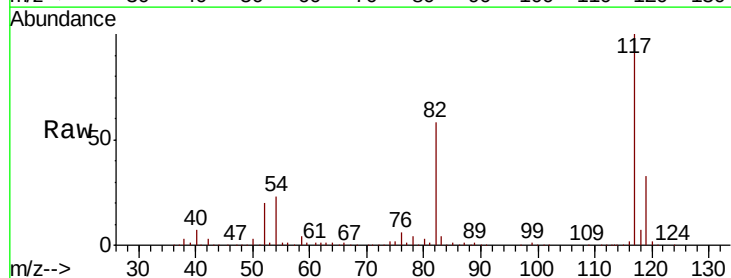
Tgt Ion: 117 Resp: 334955

Ion Ratio Lower Upper

117 100

82 57.8 48.2 72.4

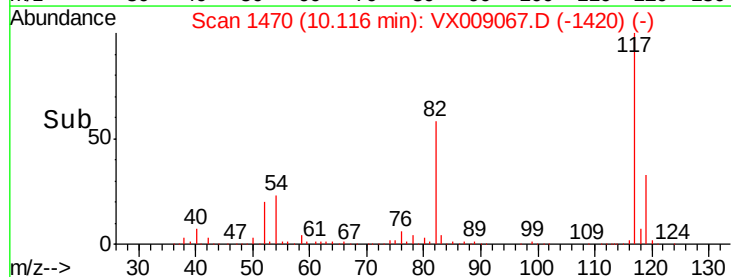
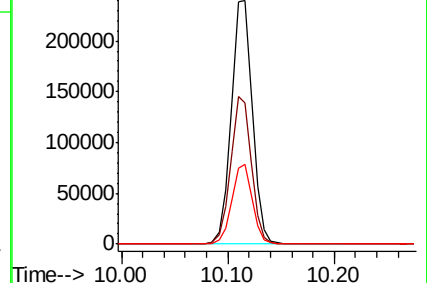
119 32.6 25.0 37.6

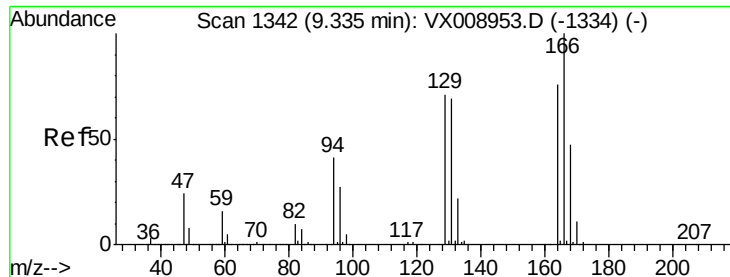


Abundance Ion 116.90 (116.60 to 117.60): VX008953.D (-1462) (-)

Ion 82.00 (81.70 to 82.70): VX008953.D (-1462) (-)

Ion 118.90 (118.60 to 119.60): VX008953.D (-1462) (-)

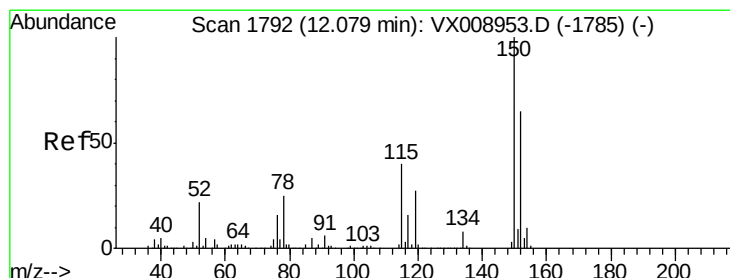
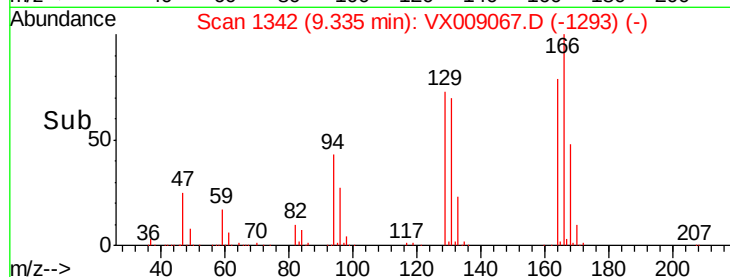
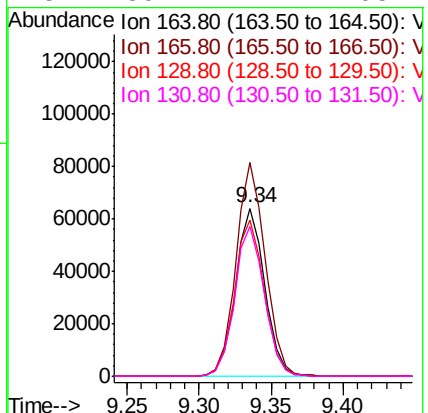
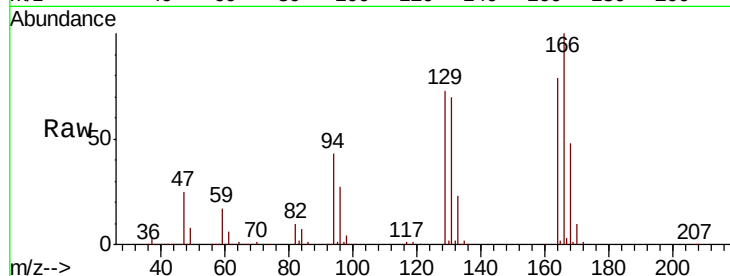




#64
Tetrachloroethene
Concen: 35.437 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX009067.D
Acq: 19 Apr 2019 13:57

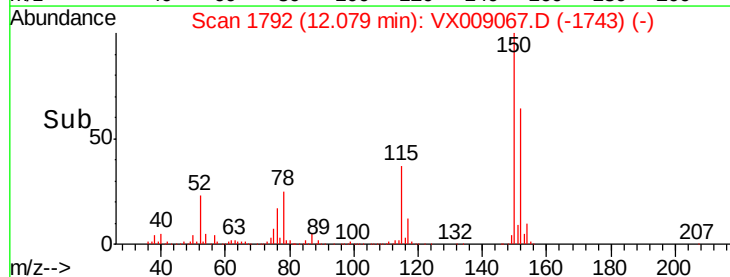
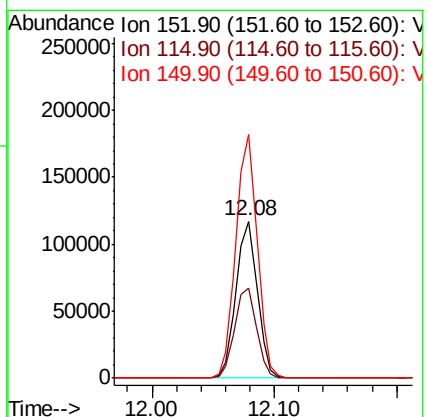
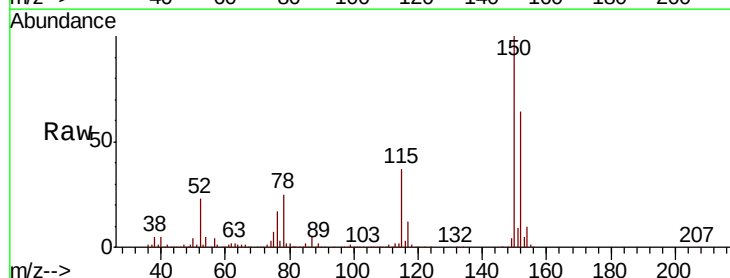
Instrument :
MSVOA_X
ClientSampleId :
SS037MW309-190416DL

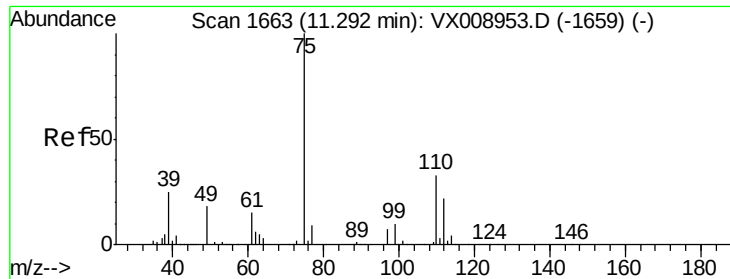
Tot Ion:164 Resp: 90173
Ion Ratio Lower Upper
164 100
166 127.3 105.0 157.4
129 93.4 74.2 111.4
131 89.2 72.2 108.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX009067.D
Acq: 19 Apr 2019 13:57

Tgt Ion:152 Resp: 141095
Ion Ratio Lower Upper
152 100
115 58.6 41.4 124.2
150 155.4 0.0 349.8





#76

1,2,3-Trichloropropane

Concen: 23.144 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX009067.D

Acq: 19 Apr 2019 13:57

Instrument :

MSVOA_X

ClientSampleId :

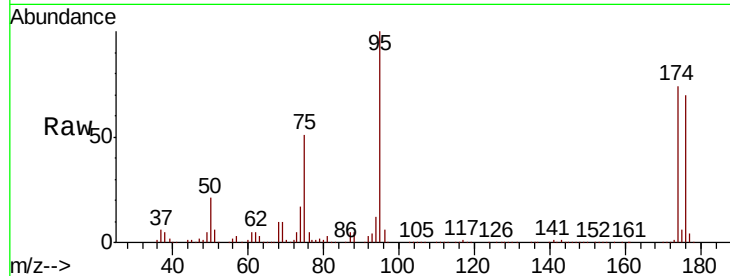
SS037MW309-190416DL

Tot Ion: 75 Resp: 79736

Ion Ratio Lower Upper

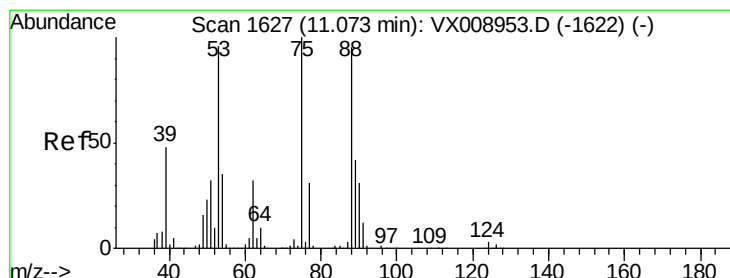
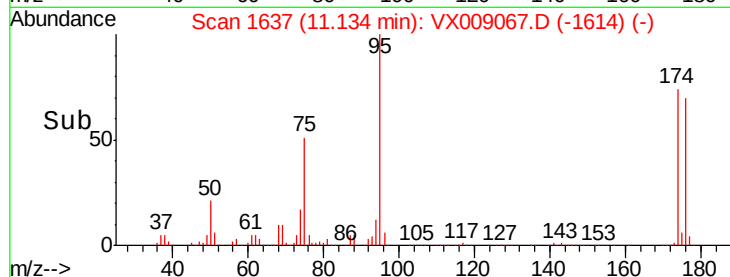
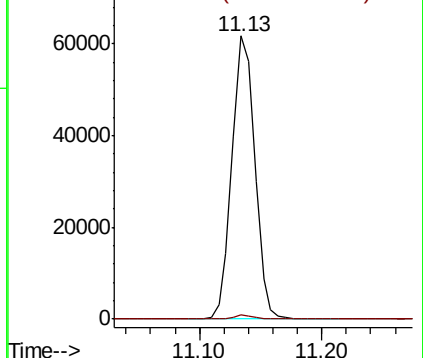
75 100

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: 59.416 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX009067.D

Acq: 19 Apr 2019 13:57

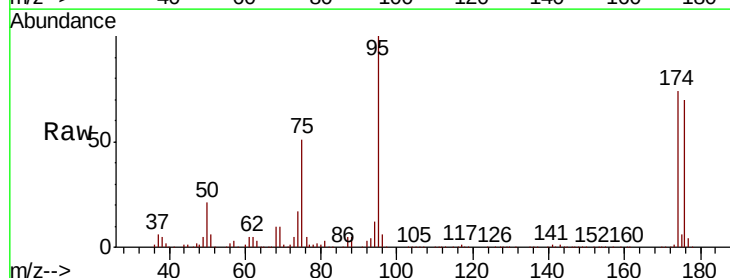
Tgt Ion: 75 Resp: 79736

Ion Ratio Lower Upper

75 100

53 0.1 78.2 117.4#

89 0.0 36.0 54.0#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

