

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX041719\
 Data File : VX009006.D
 Acq On : 17 Apr 2019 11:42
 Operator : JC/SP
 Sample : VX0417WBL01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0417WBL01

Quant Time: Apr 18 01:35:05 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	256578	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	406756	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	348029	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	148550	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	165022	45.64	ug/l	0.00
Spiked Amount			Recovery	=	91.28%	
35) Dibromofluoromethane	5.49	113	119968	45.96	ug/l	0.00
Spiked Amount			Recovery	=	91.92%	
50) Toluene-d8	8.71	98	502124	48.23	ug/l	0.00
Spiked Amount			Recovery	=	96.46%	
62) 4-Bromofluorobenzene	11.13	95	168889	45.96	ug/l	0.00
Spiked Amount			Recovery	=	91.92%	

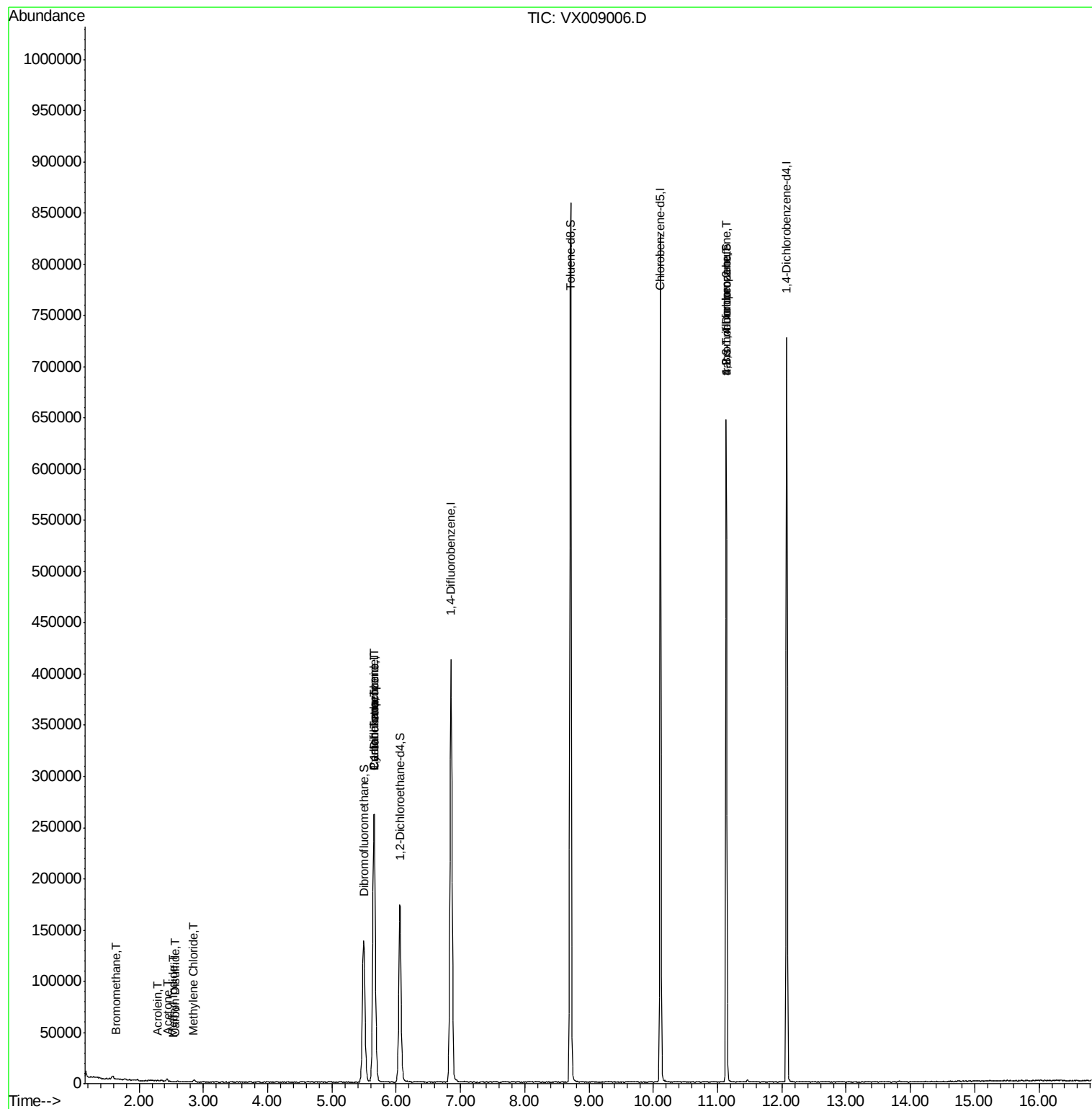
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	248	3.952	ug/l #	45
10) Methyl Iodide	2.53	142	19	4.421	ug/l #	42
13) Acrolein	2.28	56	145	0.209	ug/l #	79
16) Acetone	2.43	43	2074	1.106	ug/l #	86
17) Carbon Disulfide	2.57	76	638	1.330	ug/l #	58
20) Methylene Chloride	2.85	84	991	0.309	ug/l #	76
28) Bromochloromethane	5.00	49	66	Below Cal	#	21
31) Cyclohexane	5.66	56	6037	1.048	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	20214	4.805	ug/l #	51
38) Carbon Tetrachloride	5.65	117	23753	6.660	ug/l #	18
76) 1,2,3-Trichloropropane	11.13	75	85695	23.625	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.13	75	85695	60.652	ug/l #	10

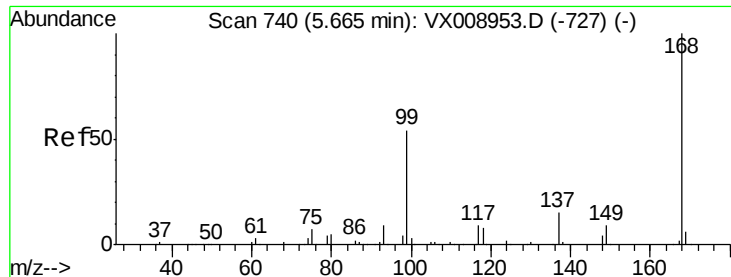
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX041719\
Data File : VX009006.D
Acq On : 17 Apr 2019 11:42
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Instrument :
MSVOA_X
ClientSampled :
VX0417WBL01

Quant Time: Apr 18 01:35:05 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X041519W.M
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: VX009006.D

Acq: 17 Apr 2019 11:42

Instrument :

MSVOA_X

ClientSampleId :

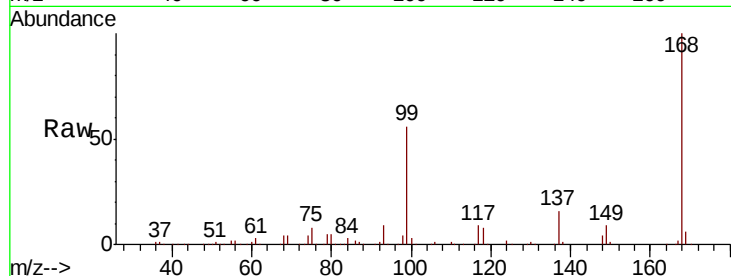
VX0417WBL01

Tot Ion:168 Resp: 256578

Ion Ratio Lower Upper

168 100

99 55.9 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

100000

80000

60000

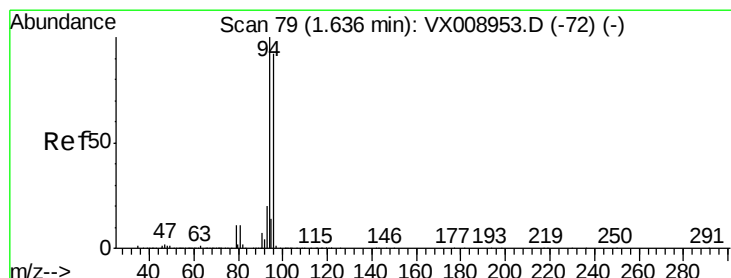
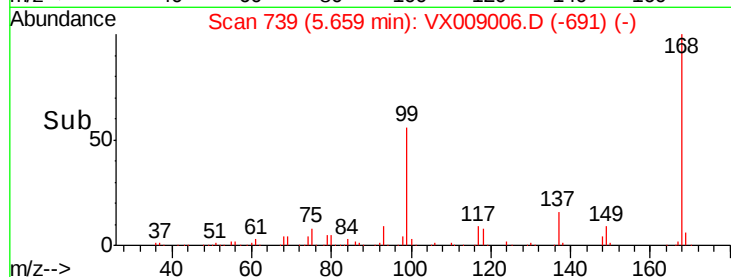
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: 3.952 ug/l

RT: 1.65 min Scan# 82

Delta R.T. 0.02 min

Lab File: VX009006.D

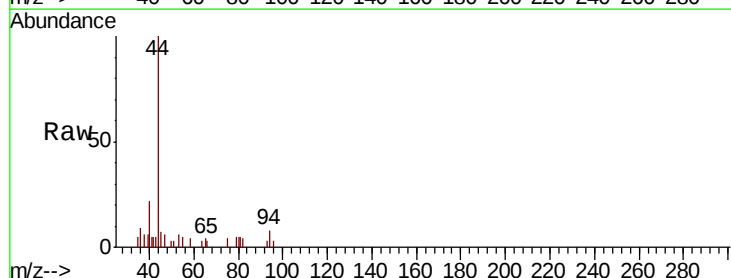
Acq: 17 Apr 2019 11:42

Tgt Ion: 94 Resp: 248

Ion Ratio Lower Upper

94 100

96 40.0 73.9 110.9#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.65

150

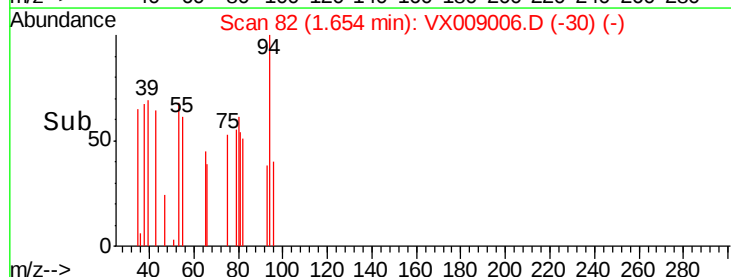
100

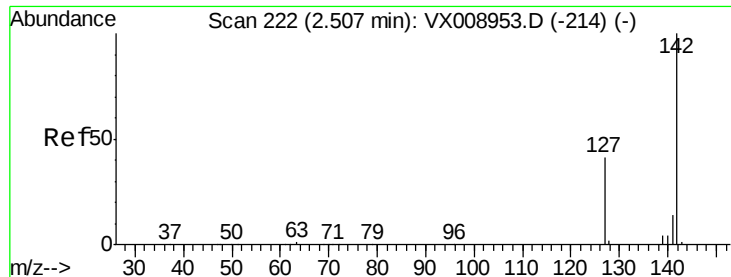
50

0

Time-->

1.65 1.70

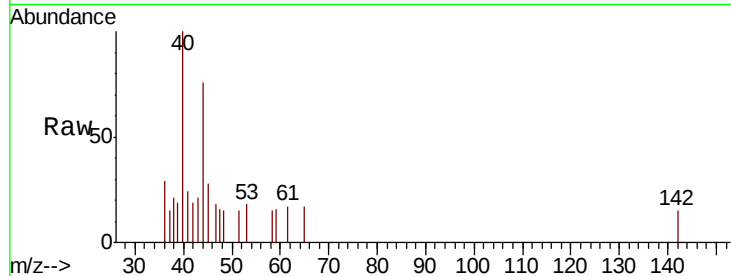




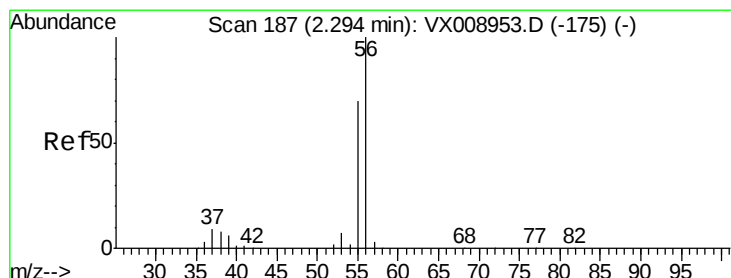
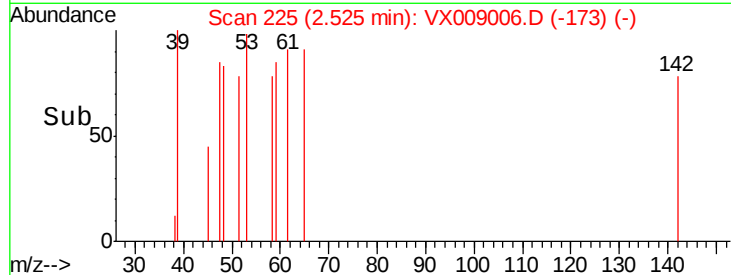
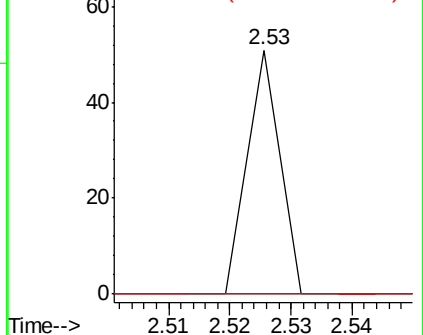
#10
Methyl Iodide
Concen: 4.421 ug/l
RT: 2.53 min Scan# 225
Delta R.T. 0.02 min
Lab File: VX009006.D
Acq: 17 Apr 2019 11:42

Instrument :
MSVOA_X
ClientSampleId :
VX0417WBL01

Tot Ion:142 Resp: 19
Ion Ratio Lower Upper
142 100
127 0.0 32.8 49.2#
141 0.0 11.4 17.2#

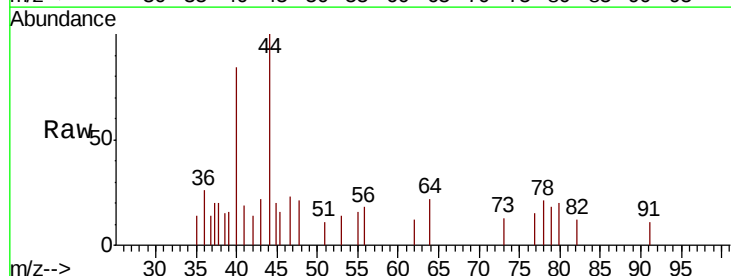


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

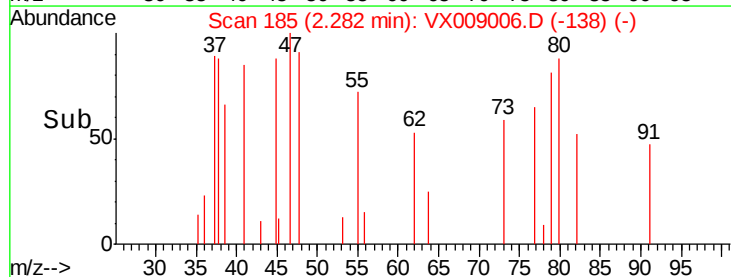
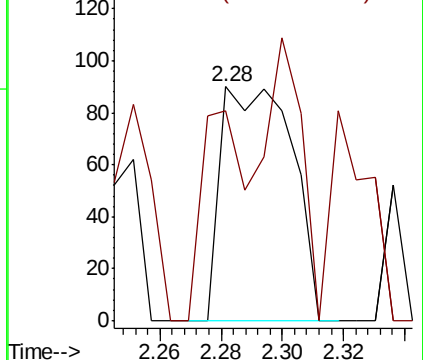


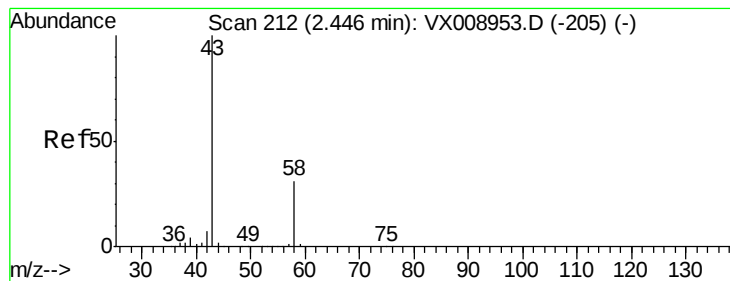
#13
Acrolein
Concen: 0.209 ug/l
RT: 2.28 min Scan# 185
Delta R.T. -0.01 min
Lab File: VX009006.D
Acq: 17 Apr 2019 11:42

Tgt Ion: 56 Resp: 145
Ion Ratio Lower Upper
56 100
55 53.1 56.6 84.8#



Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 55.00 (54.70 to 55.70): VX0





#16

Acetone

Concen: 1.106 ug/l

RT: 2.43 min Scan# 210

Delta R.T. -0.01 min

Lab File: VX009006.D

Acq: 17 Apr 2019 11:42

Instrument :

MSVOA_X

ClientSampleId :

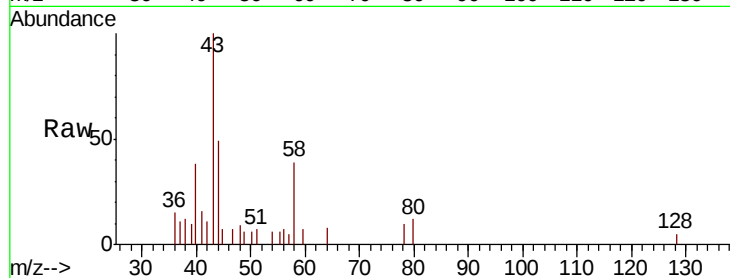
VX0417WBL01

Tot Ion: 43 Resp: 2074

Ion Ratio Lower Upper

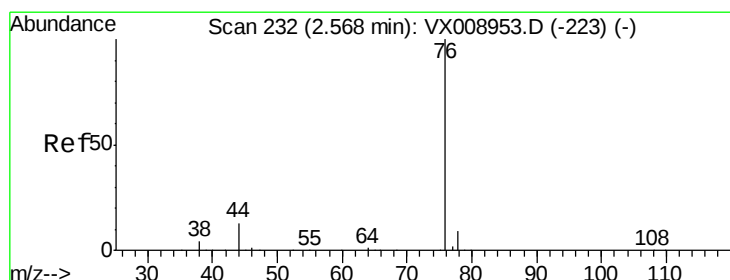
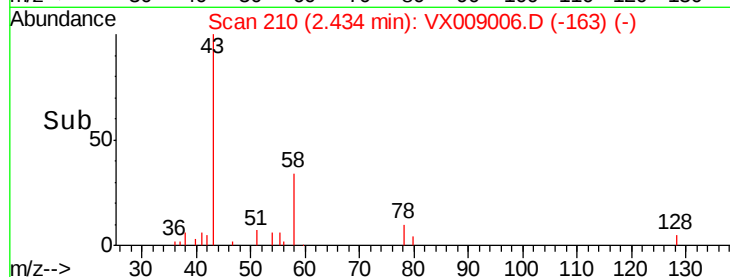
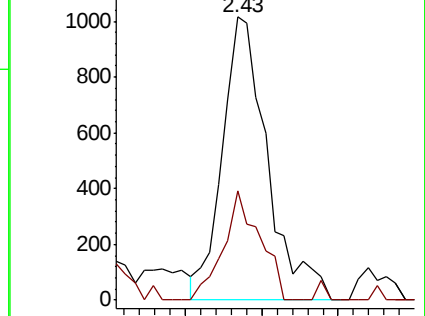
43 100

58 38.8 24.8 37.2#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#17

Carbon Disulfide

Concen: 1.330 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX009006.D

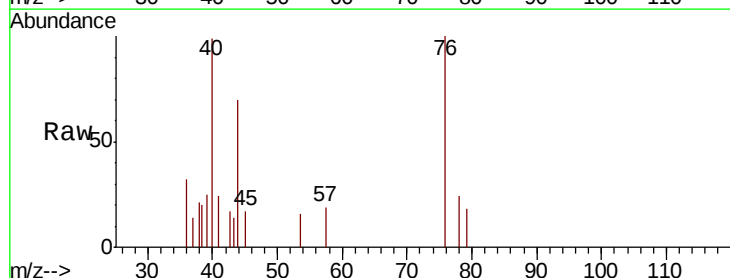
Acq: 17 Apr 2019 11:42

Tgt Ion: 76 Resp: 638

Ion Ratio Lower Upper

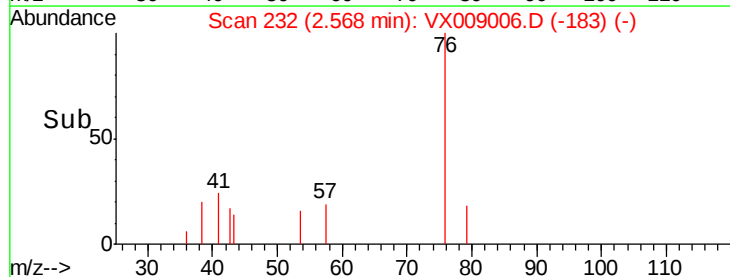
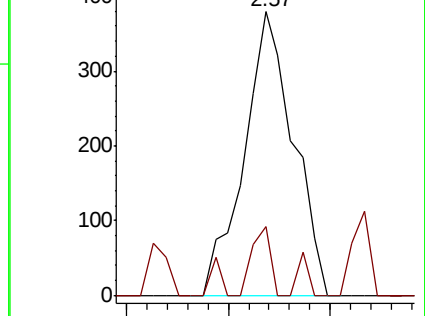
76 100

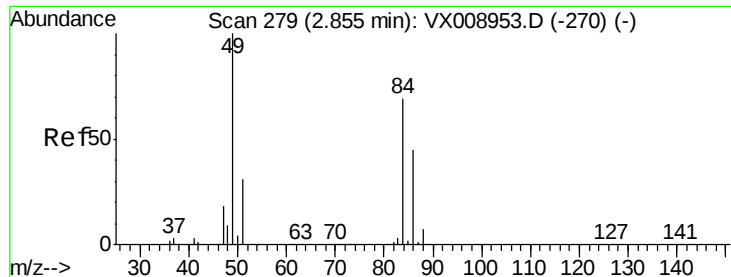
78 24.0 7.2 10.8#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

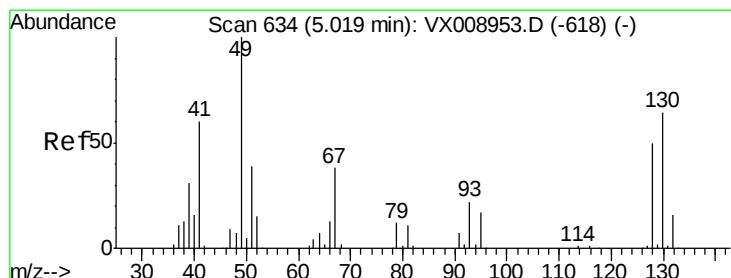
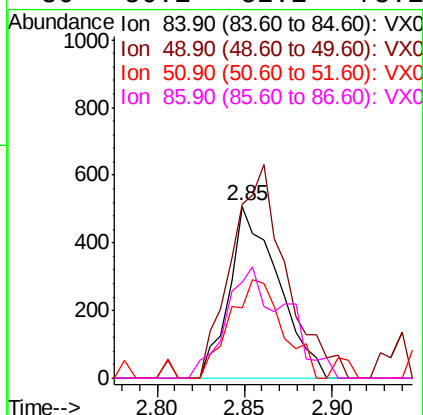
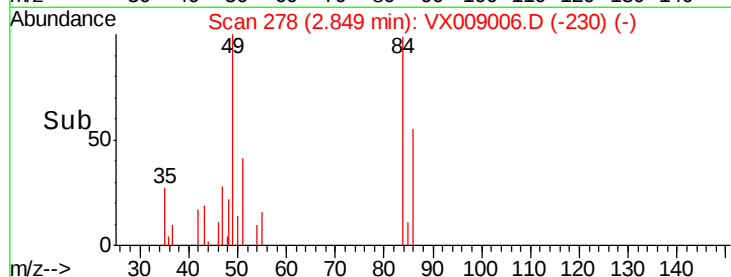
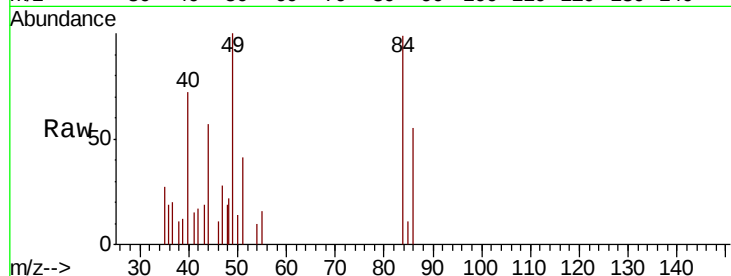




#20
Methvlene Chloride
Concen: 0.309 ug/l
RT: 2.85 min Scan# 278
Delta R.T. -0.01 min
Lab File: VX009006.D
Acq: 17 Apr 2019 11:42

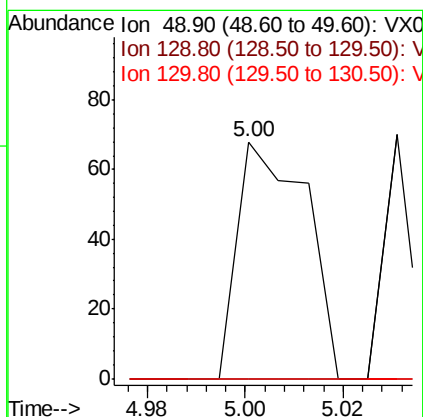
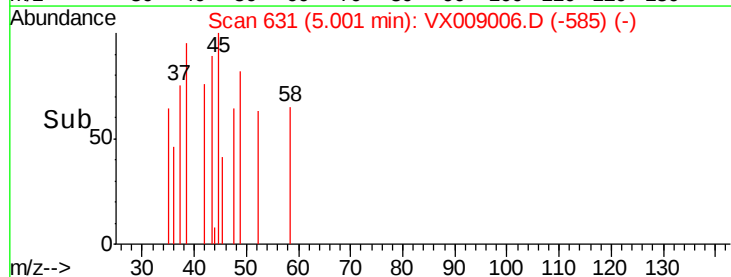
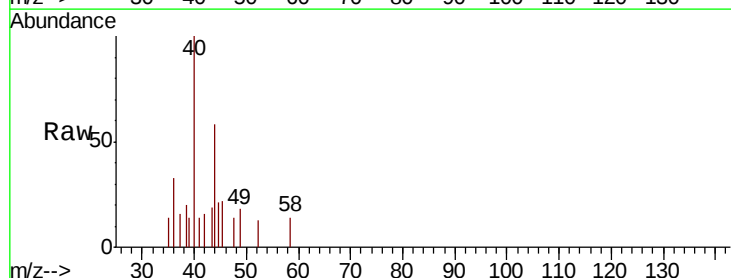
Instrument :
MSVOA_X
ClientSampleId :
VX0417WBL01

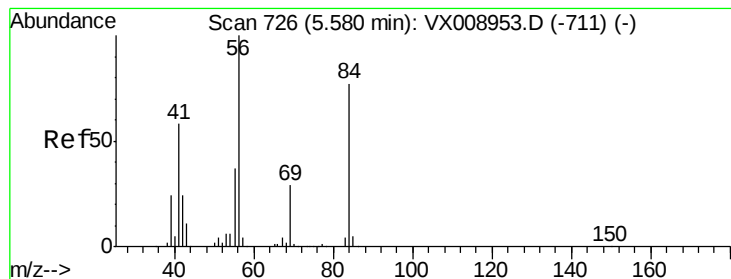
Tot Ion: 84 Resp: 991
Ion Ratio Lower Upper
84 100
49 101.2 115.4 173.0#
51 41.1 35.8 53.6
86 56.1 52.1 78.1



#28
Bromochloromethane
Concen: Below Cal
RT: 5.00 min Scan# 631
Delta R.T. -0.02 min
Lab File: VX009006.D
Acq: 17 Apr 2019 11:42

Tgt Ion: 49 Resp: 66
Ion Ratio Lower Upper
49 100
129 0.0 0.0 3.6
130 0.0 50.4 75.6#





#31

Cyclohexane

Concen: 1.048 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.08 min

Lab File: VX009006.D

Acq: 17 Apr 2019 11:42

Instrument :

MSVOA_X

ClientSampleId :

VX0417WBL01

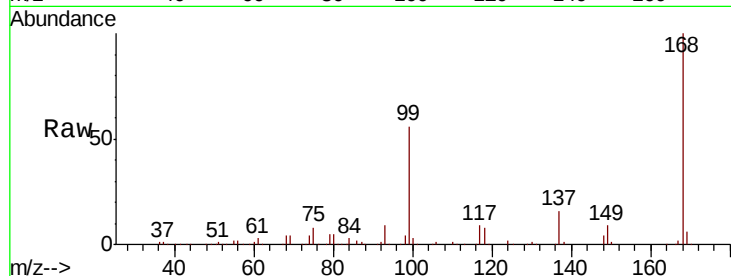
Tot Ion: 56 Resp: 6037

Ion Ratio Lower Upper

56 100

69 167.4 23.3 34.9#

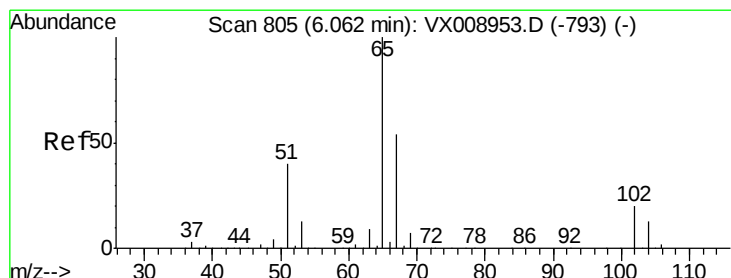
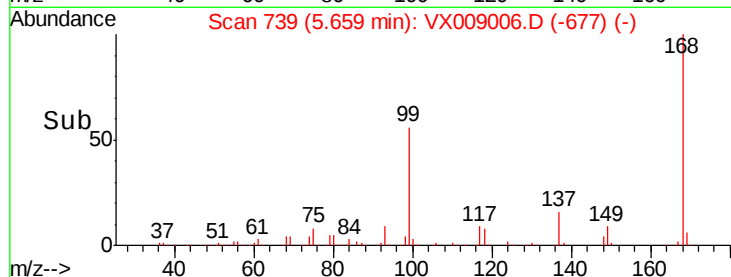
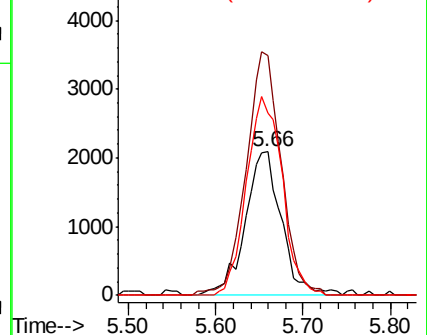
84 126.8 61.7 92.5#



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: 45.638 ug/l

RT: 6.06 min Scan# 804

Delta R.T. -0.01 min

Lab File: VX009006.D

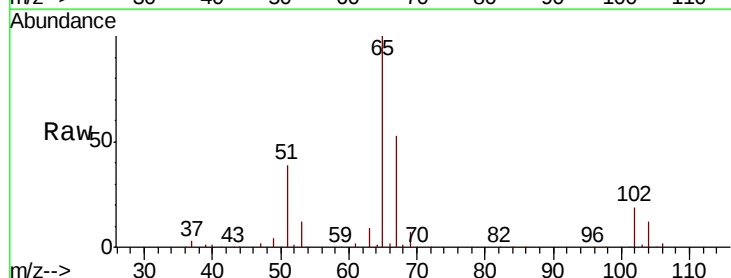
Acq: 17 Apr 2019 11:42

Tgt Ion: 65 Resp: 165022

Ion Ratio Lower Upper

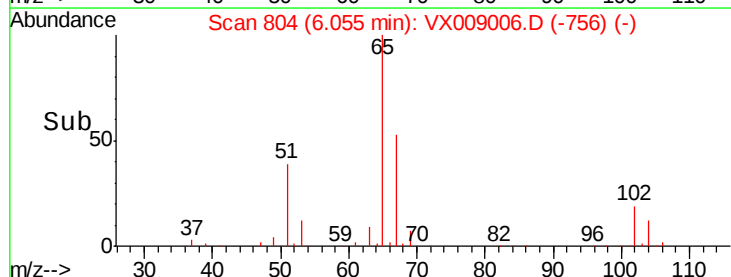
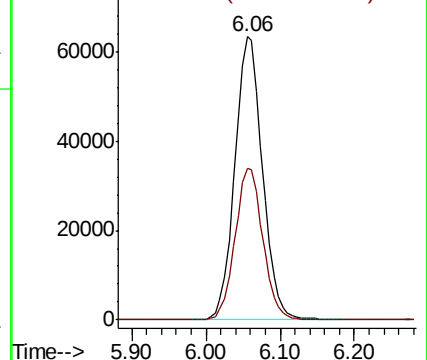
65 100

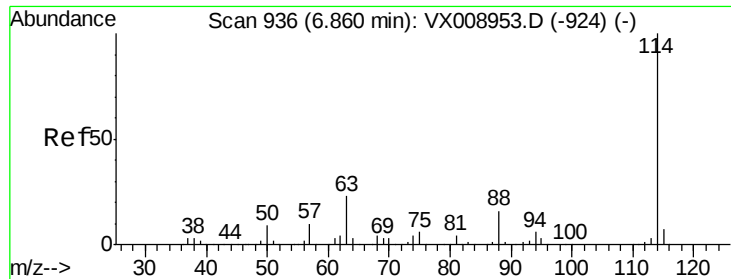
67 53.9 0.0 108.6



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

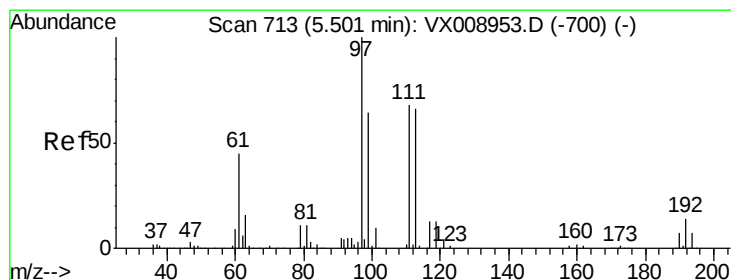
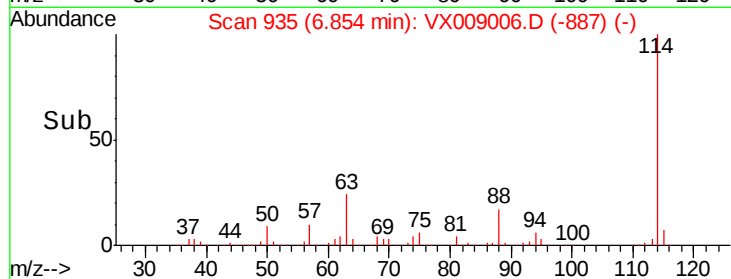
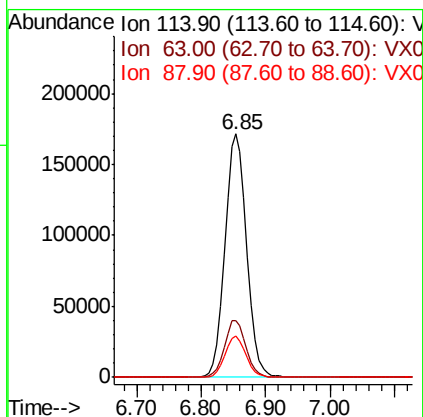
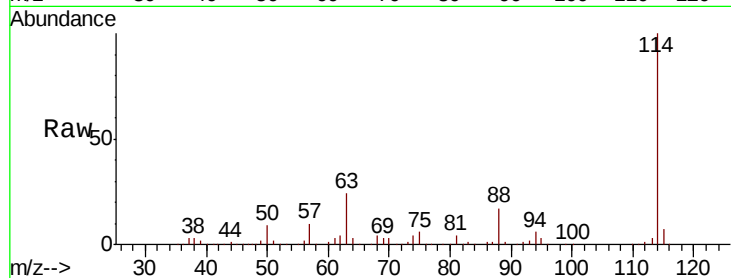




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 935
 Delta R.T. -0.01 min
 Lab File: VX009006.D
 Acq: 17 Apr 2019 11:42

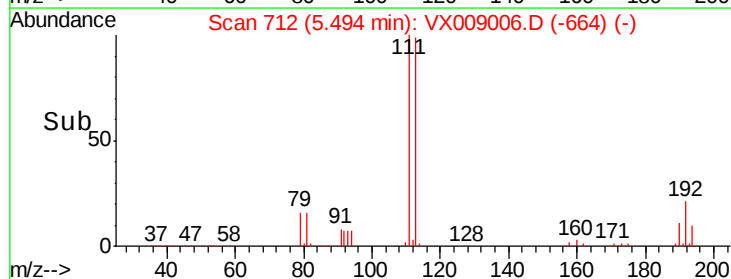
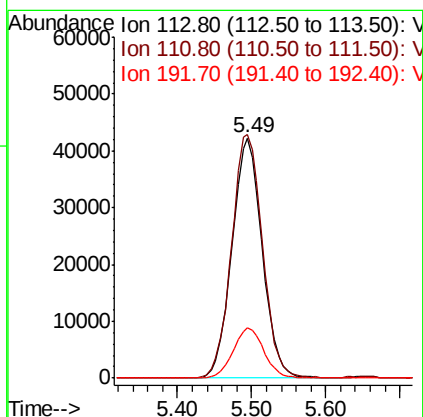
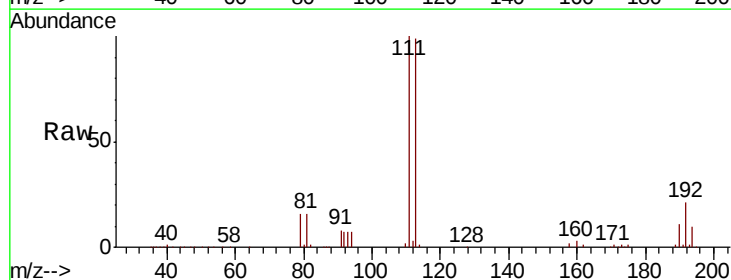
Instrument :
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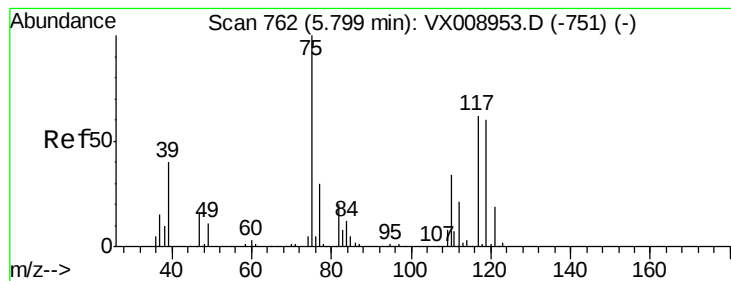
Tot Ion:114 Resp: 406756
 Ion Ratio Lower Upper
 114 100
 63 23.5 0.0 46.0
 88 16.8 0.0 32.6



#35
 Dibromofluoromethane
 Concen: 45.957 ug/l
 RT: 5.49 min Scan# 712
 Delta R.T. -0.01 min
 Lab File: VX009006.D
 Acq: 17 Apr 2019 11:42

Tgt Ion:113 Resp: 119968
 Ion Ratio Lower Upper
 113 100
 111 104.0 82.9 124.3
 192 21.4 17.4 26.0





#36

1,1-Dichloropropene

Concen: 4.805 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX009006.D

Acq: 17 Apr 2019 11:42

Instrument :

MSVOA_X

ClientSampleId :

VX0417WBL01

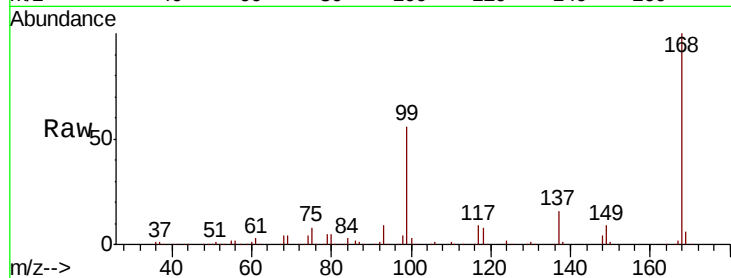
Tot Ion: 75 Resp: 20214

Ion Ratio Lower Upper

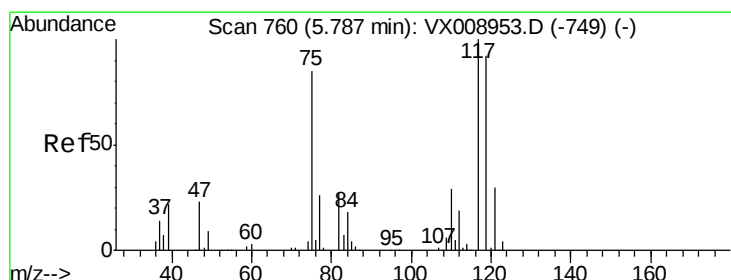
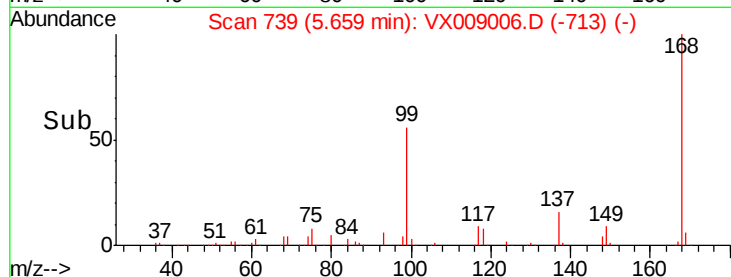
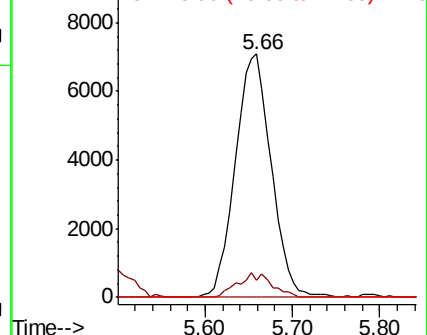
75 100

110 9.4 16.9 50.7#

77 0.0 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: 6.660 ug/l

RT: 5.65 min Scan# 738

Delta R.T. -0.13 min

Lab File: VX009006.D

Acq: 17 Apr 2019 11:42

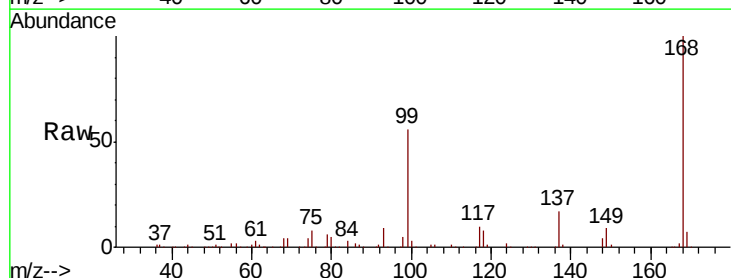
Tgt Ion: 117 Resp: 23753

Ion Ratio Lower Upper

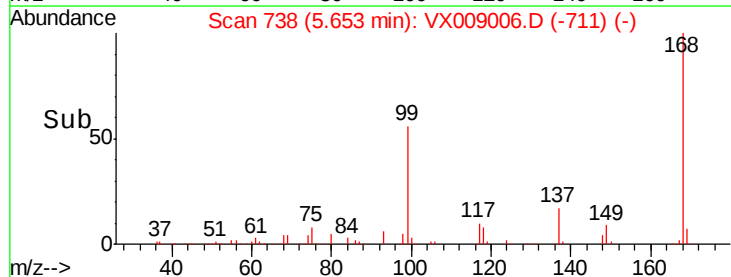
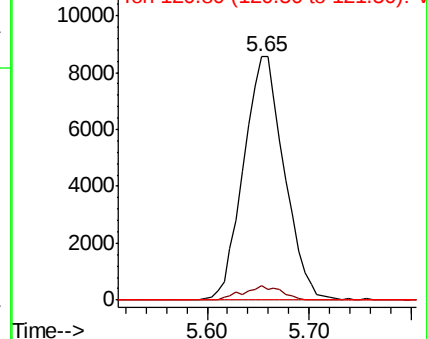
117 100

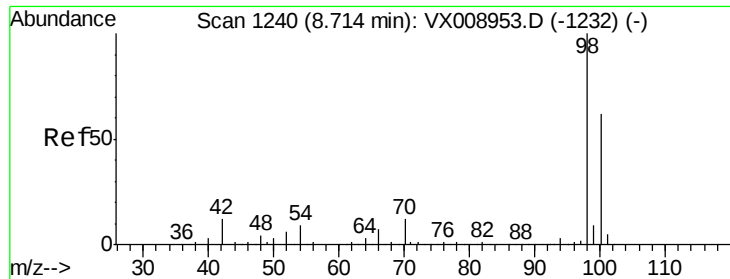
119 5.8 73.8 110.8#

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





#50

Toluene-d8

Concen: 48.232 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX009006.D

Acq: 17 Apr 2019 11:42

Instrument :

MSVOA_X

ClientSampleId :

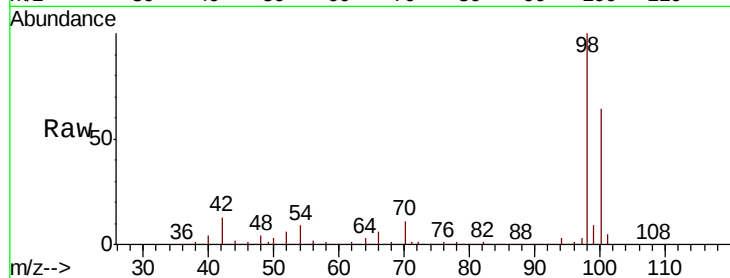
VX0417WBL01

Tot Ion: 98 Resp: 502124

Ion Ratio Lower Upper

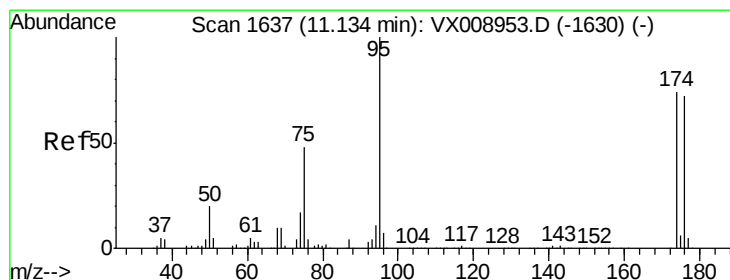
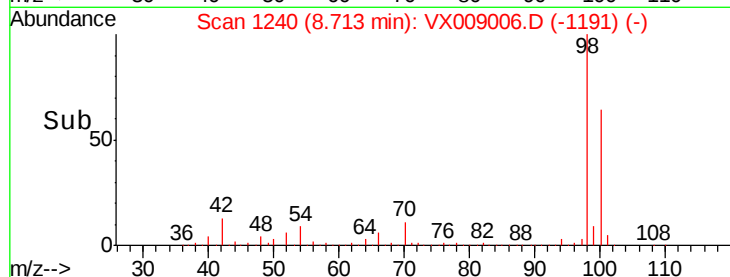
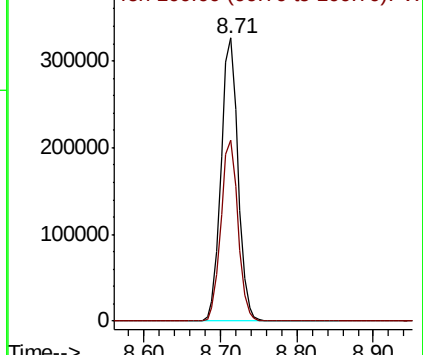
98 100

100 64.1 51.4 77.2



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V



#62

4-Bromofluorobenzene

Concen: 45.956 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX009006.D

Acq: 17 Apr 2019 11:42

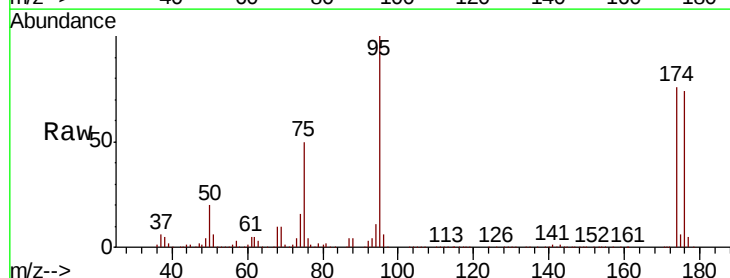
Tgt Ion: 95 Resp: 168889

Ion Ratio Lower Upper

95 100

174 78.8 0.0 159.6

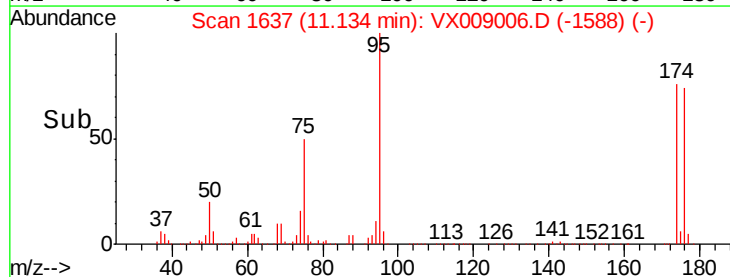
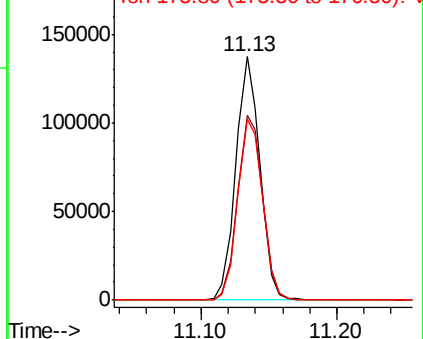
176 76.8 0.0 154.8

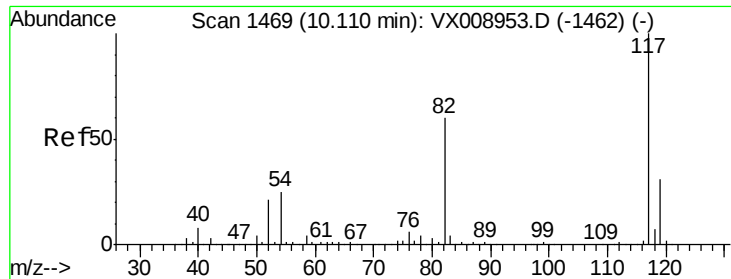


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

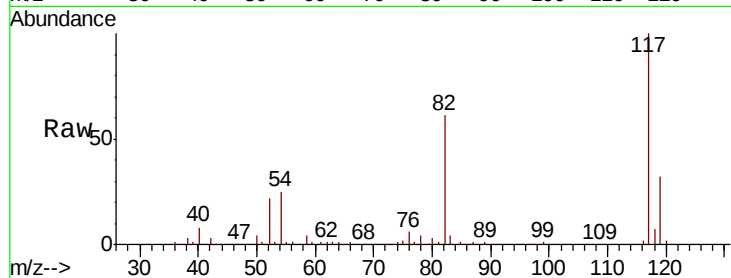




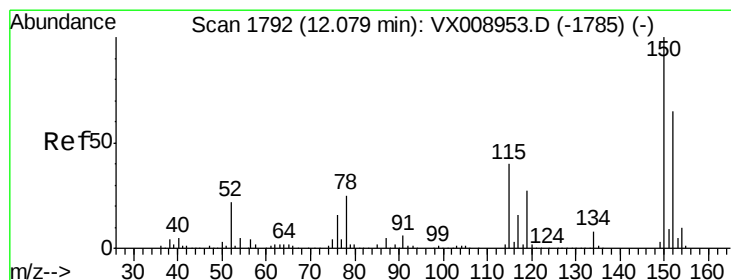
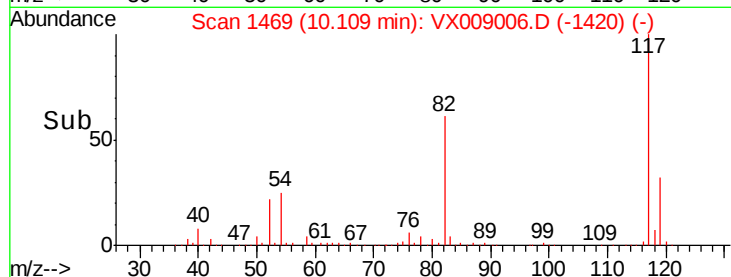
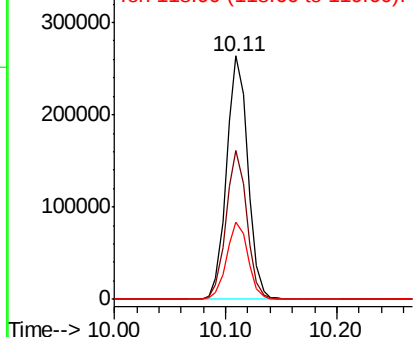
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX009006.D
Acq: 17 Apr 2019 11:42

Instrument :
MSVOA_X
ClientSampleId :
VX0417WBL01

Tot Ion:117 Resp: 348029
Ion Ratio Lower Upper
117 100
82 61.0 48.2 72.4
119 31.6 25.0 37.6

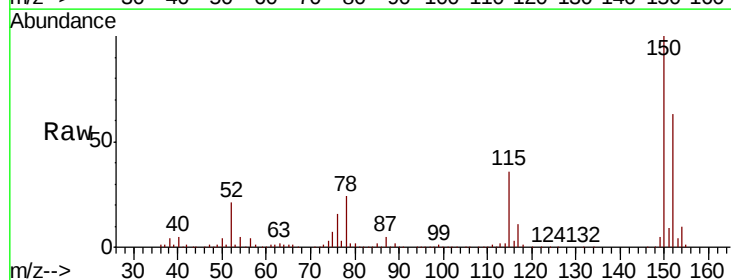


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

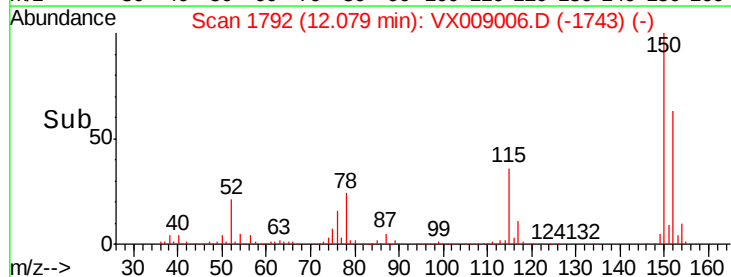
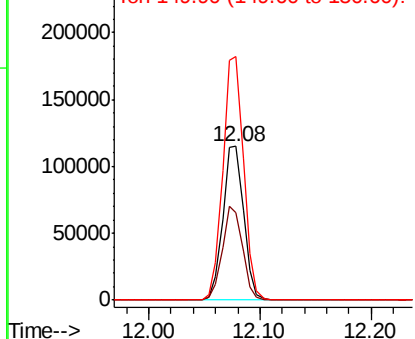


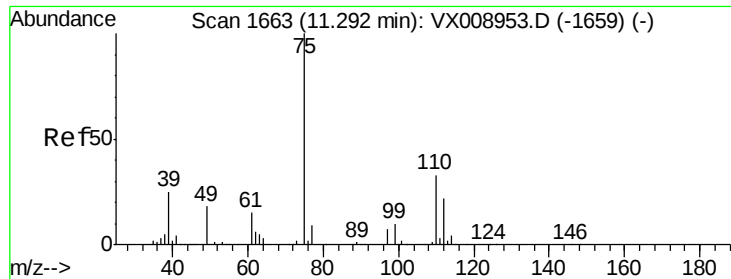
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX009006.D
Acq: 17 Apr 2019 11:42

Tgt Ion:152 Resp: 148550
Ion Ratio Lower Upper
152 100
115 59.1 41.4 124.2
150 157.9 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: 23.625 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX009006.D

Acq: 17 Apr 2019 11:42

Instrument :

MSVOA_X

ClientSampleId :

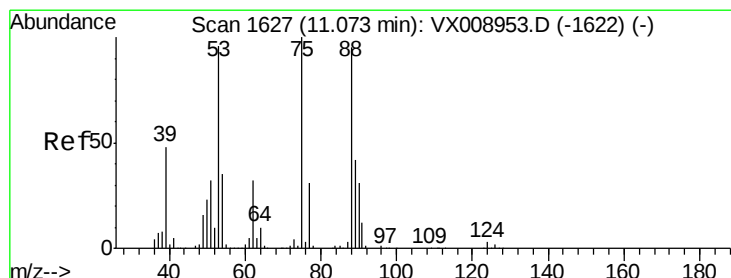
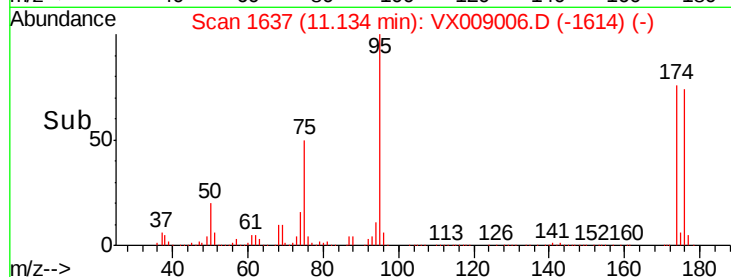
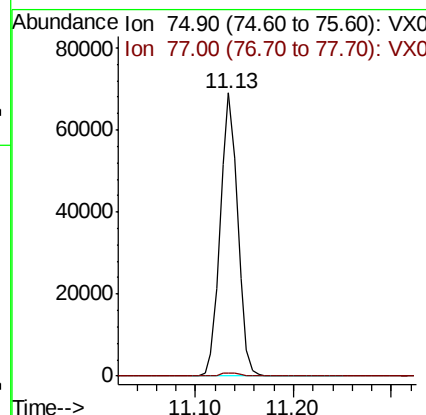
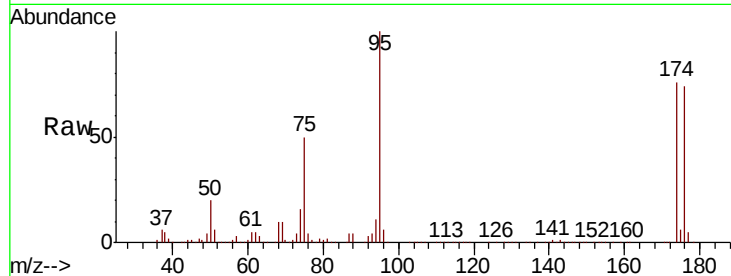
VX0417WBL01

Tot Ion: 75 Resp: 85695

Ion Ratio Lower Upper

75 100

77 1.3 22.7 68.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 60.652 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX009006.D

Acq: 17 Apr 2019 11:42

Tgt Ion: 75 Resp: 85695

Ion Ratio Lower Upper

75 100

53 0.0 78.2 117.4#

89 0.0 36.0 54.0#

