

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX041819\
 Data File : VX009033.D
 Acq On : 18 Apr 2019 10:53
 Operator : JC/SP
 Sample : VX0418WBL01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0418WBL01

Quant Time: Apr 19 01:34:53 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	5.67	168	255905	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	411748	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	359177	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	157905	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	167761	46.52	ug/l	0.00
Spiked Amount			Recovery	=	93.04%	
35) Dibromofluoromethane	5.50	113	122516	46.36	ug/l	0.00
Spiked Amount			Recovery	=	92.72%	
50) Toluene-d8	8.71	98	518074	49.16	ug/l	0.00
Spiked Amount			Recovery	=	98.32%	
62) 4-Bromofluorobenzene	11.13	95	174788	46.98	ug/l	0.00
Spiked Amount			Recovery	=	93.96%	

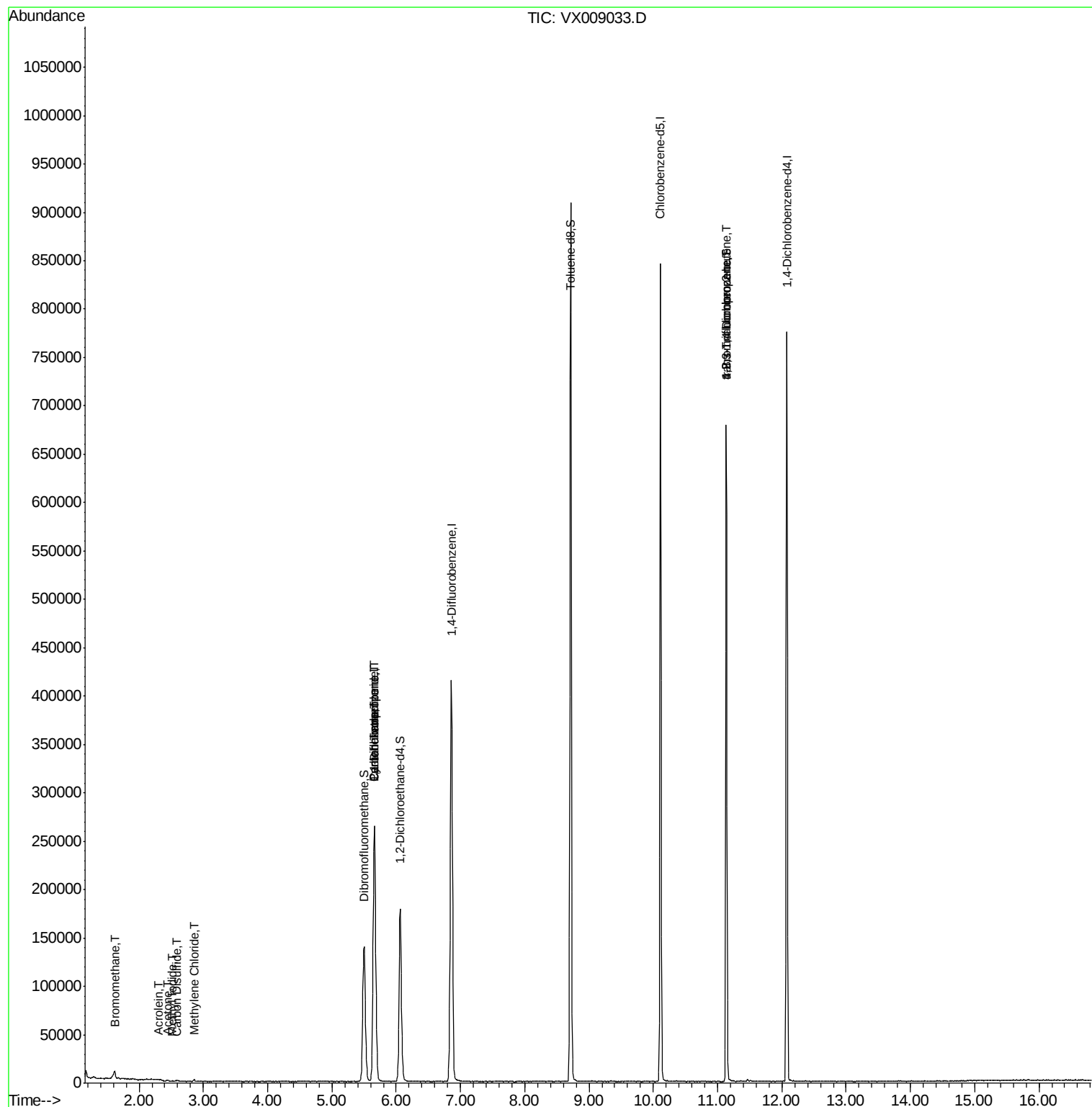
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.62	94	261	3.958	ug/l #	40
10) Methyl Iodide	2.51	142	247	4.493	ug/l #	64
13) Acrolein	2.30	56	230	0.333	ug/l	85
16) Acetone	2.45	43	1619	0.866	ug/l	94
17) Carbon Disulfide	2.57	76	789	1.348	ug/l #	35
20) Methylene Chloride	2.86	84	688	0.215	ug/l #	88
28) Bromochloromethane	5.01	49	22	Below Cal	#	21
31) Cyclohexane	5.65	56	5736	0.999	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	20406	4.792	ug/l #	50
38) Carbon Tetrachloride	5.66	117	24701	6.842	ug/l #	17
76) 1,2,3-Trichloropropane	11.13	75	88830	23.038	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.13	75	88830	59.146	ug/l #	11

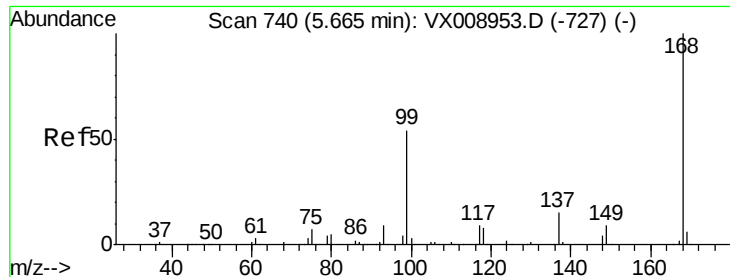
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Apr 19 01:34:53 2019
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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX009033.D

Acq: 18 Apr 2019 10:53

Instrument :

MSVOA_X

ClientSampleId :

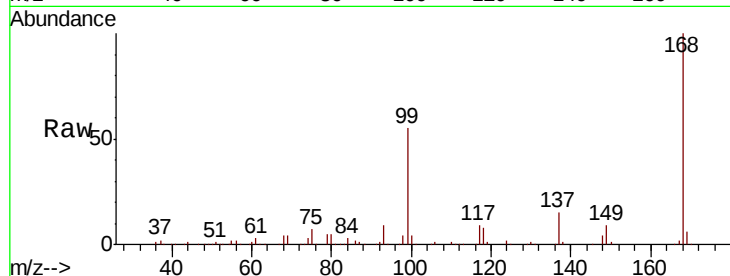
VX0418WBL01

Tot Ion:168 Resp: 255905

Ion Ratio Lower Upper

168 100

99 55.2 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

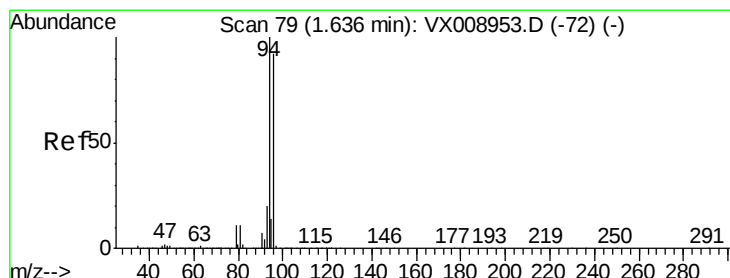
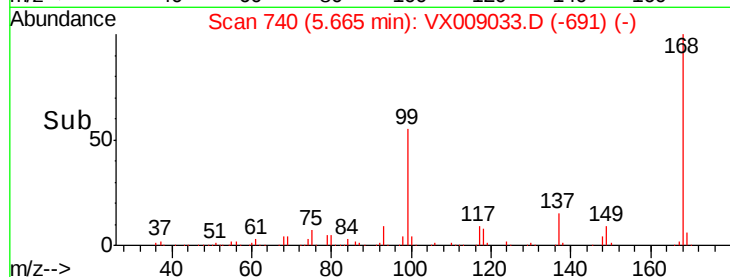
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: 3.958 ug/l

RT: 1.62 min Scan# 77

Delta R.T. -0.01 min

Lab File: VX009033.D

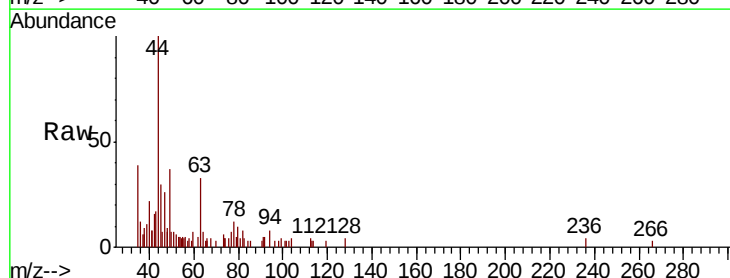
Acq: 18 Apr 2019 10:53

Tgt Ion: 94 Resp: 261

Ion Ratio Lower Upper

94 100

96 35.3 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

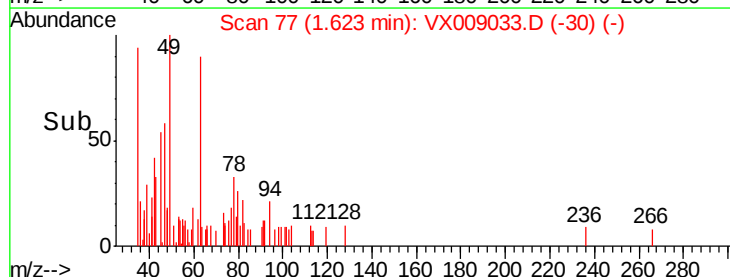
100

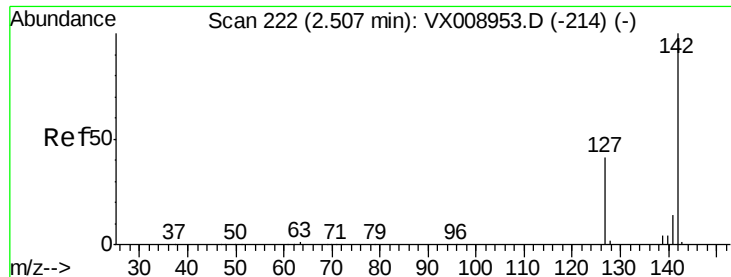
50

0

Time-->

1.60 1.62 1.64

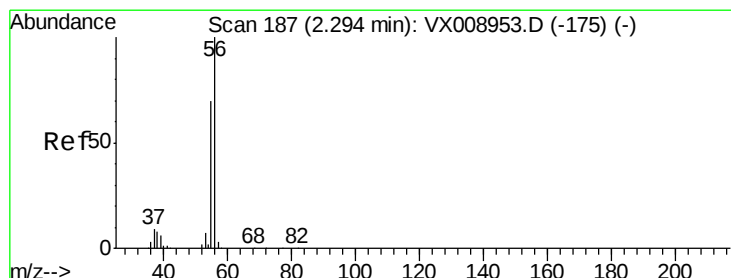
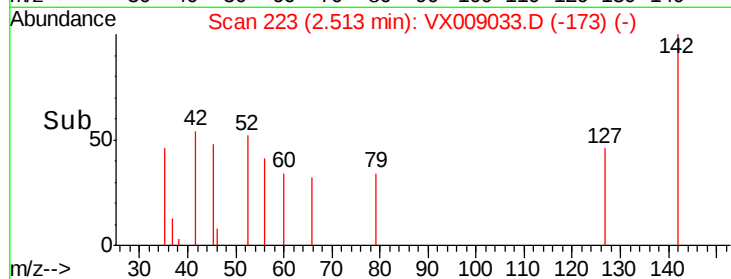
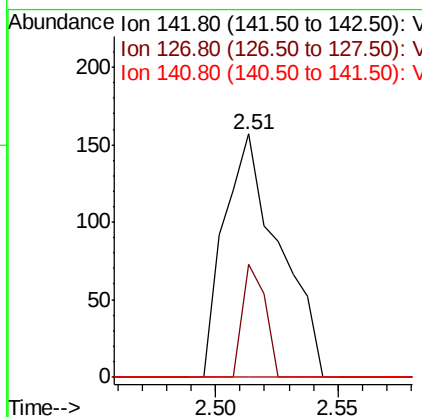
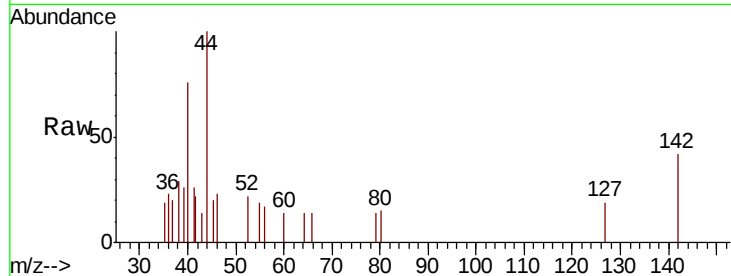




#10
Methvl Iodide
Concen: 4.493 ug/l
RT: 2.51 min Scan# 223
Delta R.T. 0.01 min
Lab File: VX009033.D
Acq: 18 Apr 2019 10:53

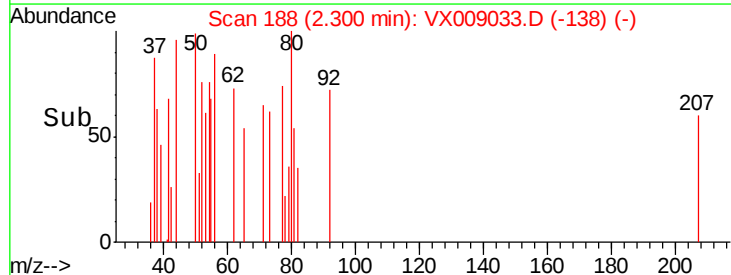
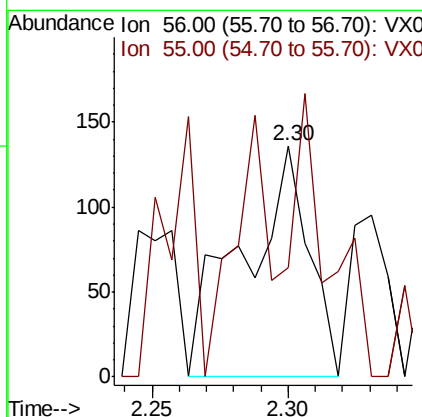
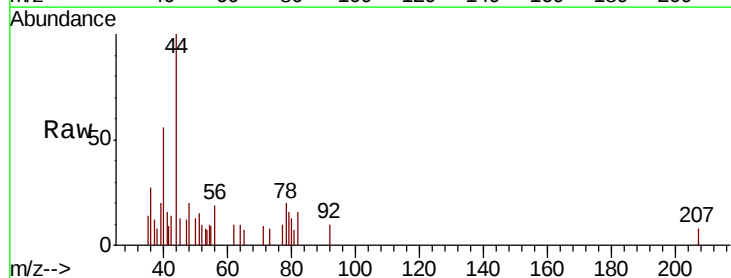
Instrument :
MSVOA_X
ClientSampleId :
VX0418WBL01

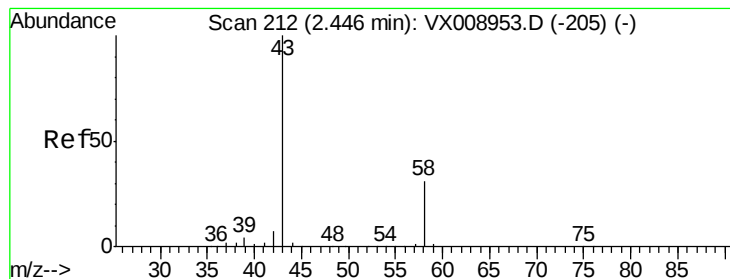
Tot Ion:142 Resp: 247
Ion Ratio Lower Upper
142 100
127 18.6 32.8 49.2#
141 0.0 11.4 17.2#



#13
Acrolein
Concen: 0.333 ug/l
RT: 2.30 min Scan# 188
Delta R.T. 0.01 min
Lab File: VX009033.D
Acq: 18 Apr 2019 10:53

Tgt Ion: 56 Resp: 230
Ion Ratio Lower Upper
56 100
55 58.3 56.6 84.8





#16

Acetone

Concen: 0.866 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX009033.D

Acq: 18 Apr 2019 10:53

Instrument :

MSVOA_X

ClientSampleId :

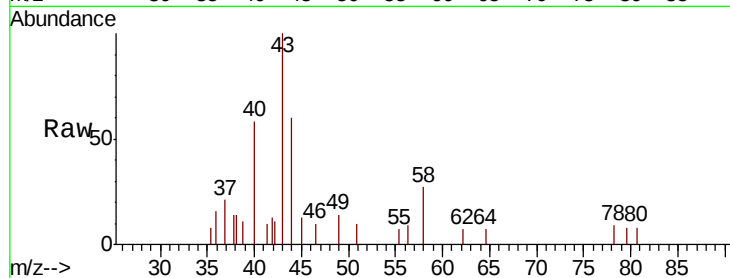
VX0418WBL01

Tot Ion: 43 Resp: 1619

Ion Ratio Lower Upper

43 100

58 27.5 24.8 37.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.45

600

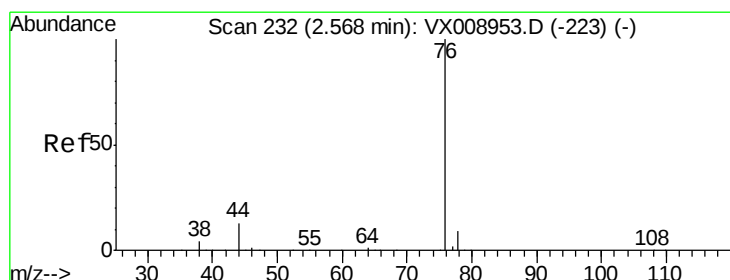
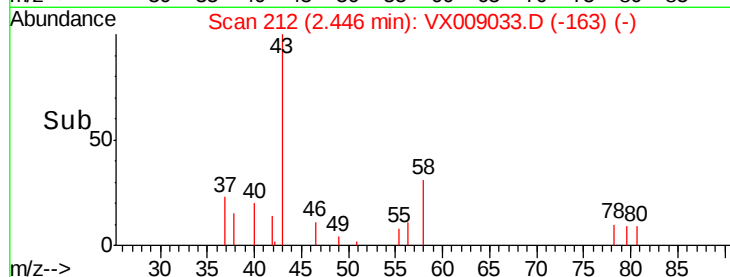
400

200

0

2.35 2.40 2.45 2.50

Time-->



#17

Carbon Disulfide

Concen: 1.348 ug/l

RT: 2.57 min Scan# 233

Delta R.T. 0.01 min

Lab File: VX009033.D

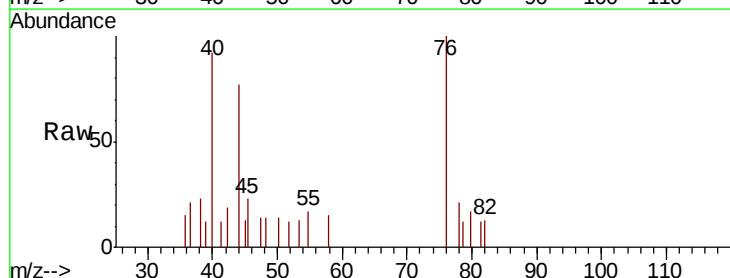
Acq: 18 Apr 2019 10:53

Tgt Ion: 76 Resp: 789

Ion Ratio Lower Upper

76 100

78 32.6 7.2 10.8#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.57

500

400

300

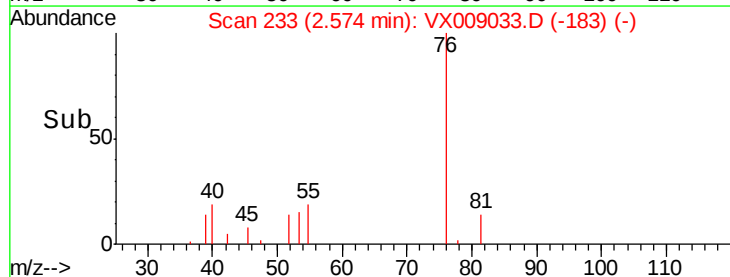
200

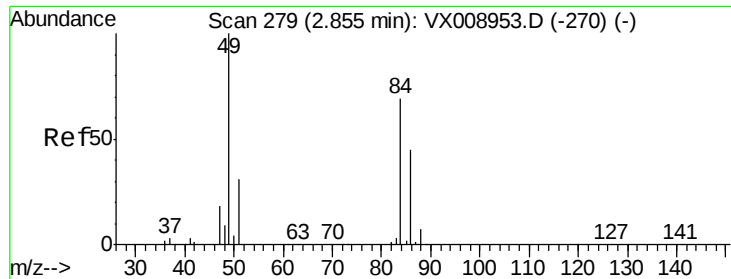
100

0

2.50 2.55 2.60 2.65

Time-->

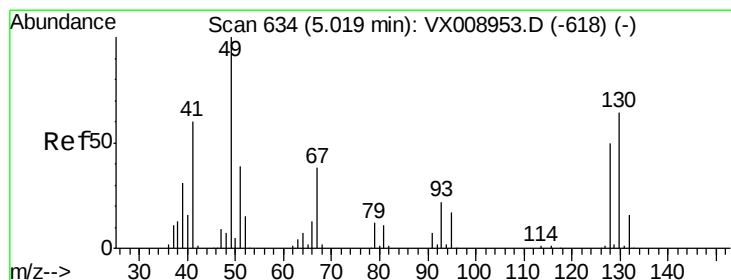
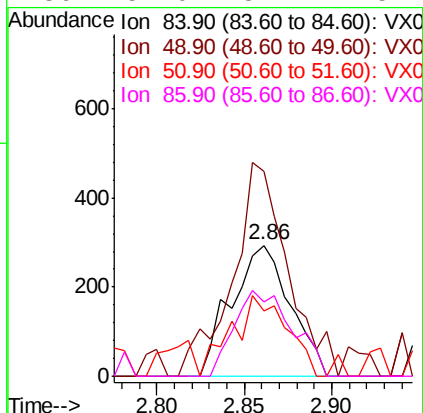
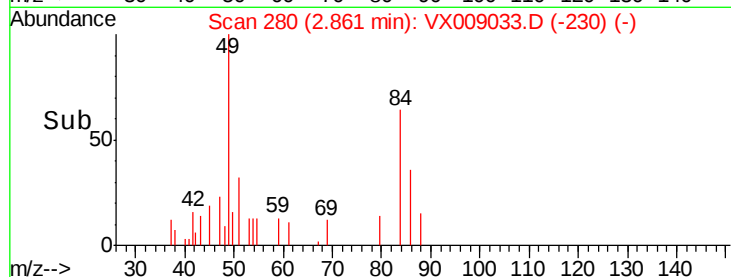
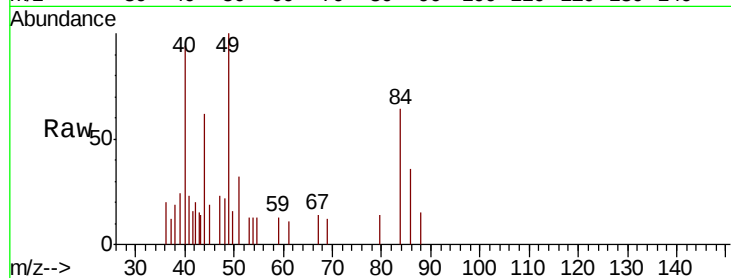




#20
Methvlene Chloride
Concen: 0.215 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.01 min
Lab File: VX009033.D
Acq: 18 Apr 2019 10:53

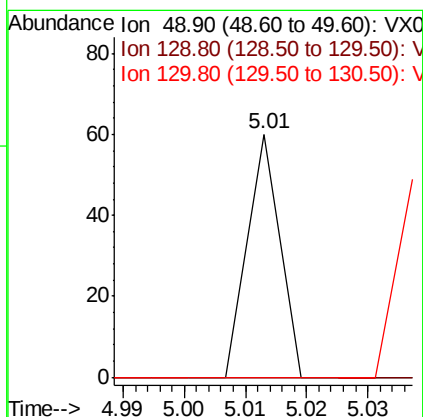
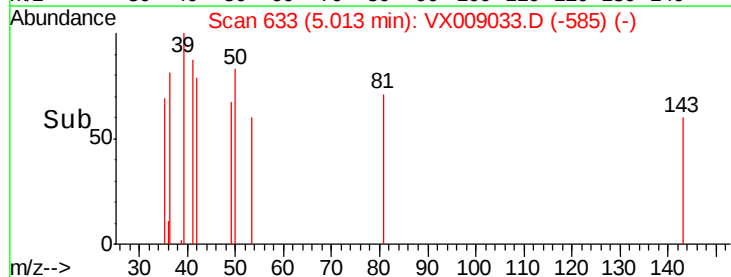
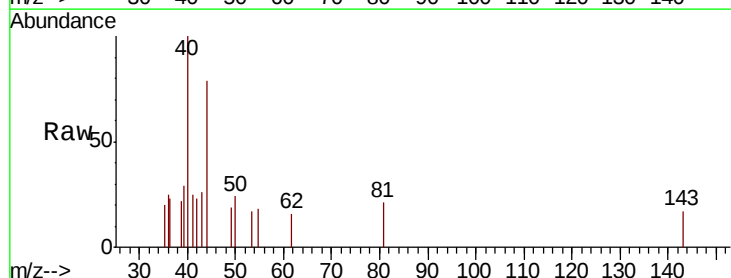
Instrument :
MSVOA_X
ClientSampleId :
VX0418WBL01

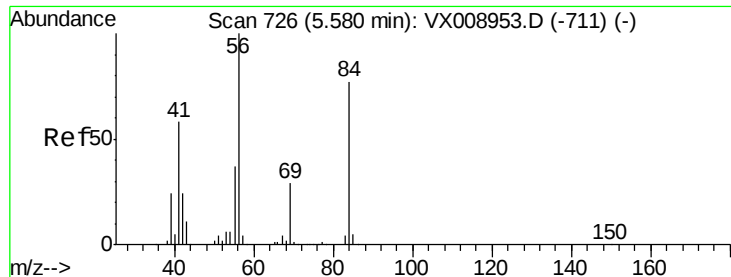
Tot Ion: 84 Resp: 688
Ion Ratio Lower Upper
84 100
49 157.0 115.4 173.0
51 33.1 35.8 53.6#
86 57.0 52.1 78.1



#28
Bromochloromethane
Concen: Below Cal
RT: 5.01 min Scan# 633
Delta R.T. -0.01 min
Lab File: VX009033.D
Acq: 18 Apr 2019 10:53

Tgt Ion: 49 Resp: 22
Ion Ratio Lower Upper
49 100
129 0.0 0.0 3.6
130 0.0 50.4 75.6#

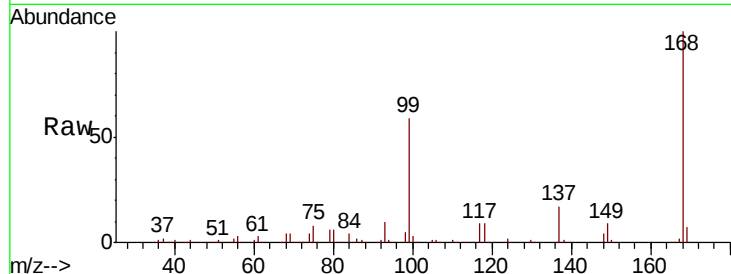




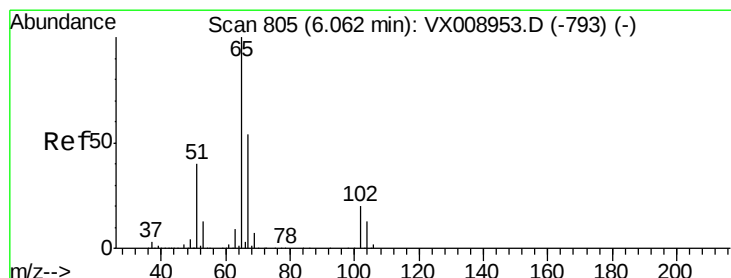
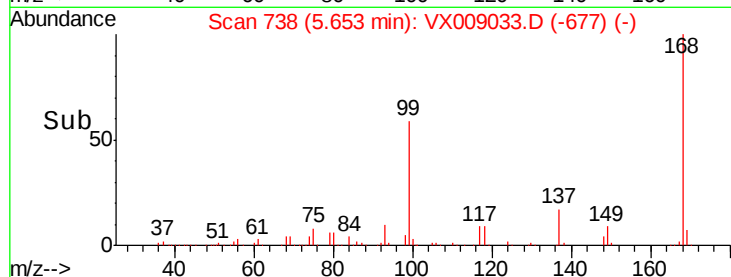
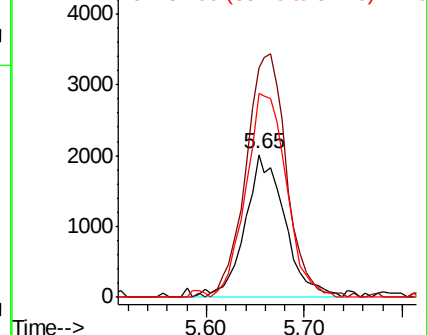
#31
Cyclohexane
Concen: 0.999 ug/l
RT: 5.65 min Scan# 738
Delta R.T. 0.07 min
Lab File: VX009033.D
Acq: 18 Apr 2019 10:53

Instrument :
MSVOA_X
ClientSampleId :
VX0418WBL01

Tot Ion: 56 Resp: 5736
Ion Ratio Lower Upper
56 100
69 160.9 23.3 34.9#
84 142.7 61.7 92.5#

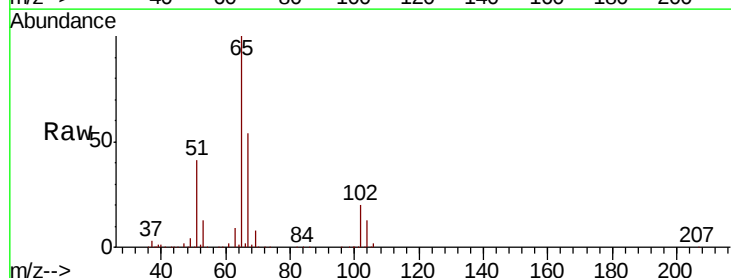


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

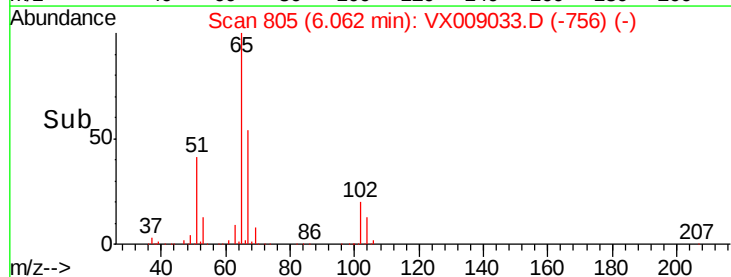
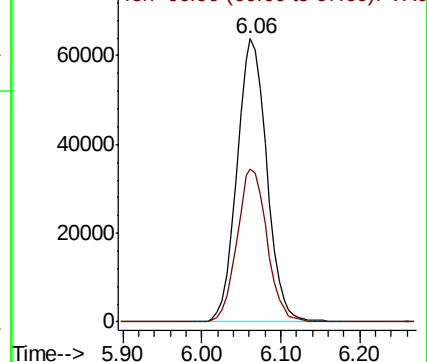


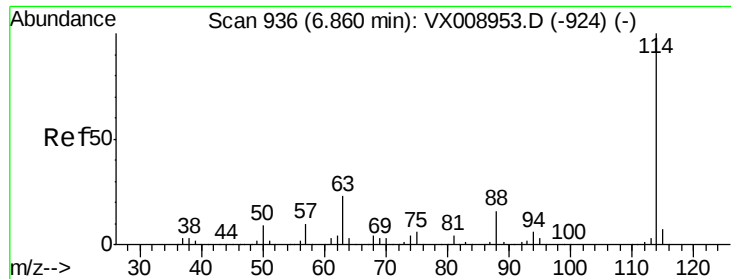
#33
1,2-Dichloroethane-d4
Concen: 46.517 ug/l
RT: 6.06 min Scan# 805
Delta R.T. -0.00 min
Lab File: VX009033.D
Acq: 18 Apr 2019 10:53

Tgt Ion: 65 Resp: 167761
Ion Ratio Lower Upper
65 100
67 54.5 0.0 108.6



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

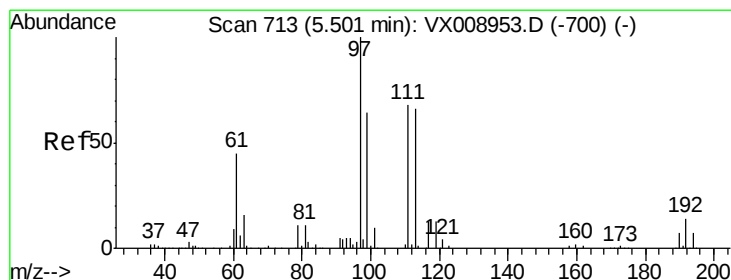
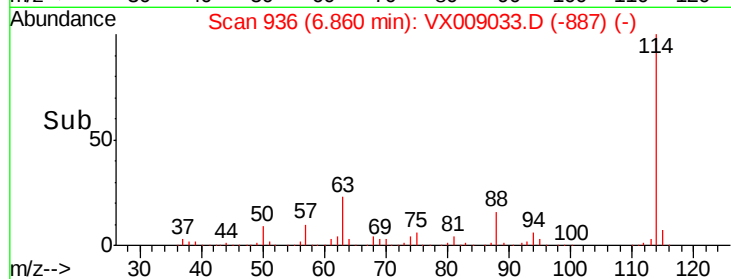
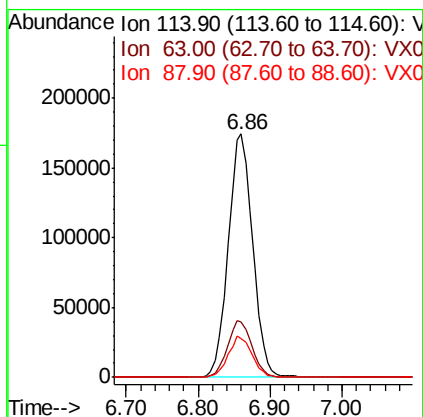
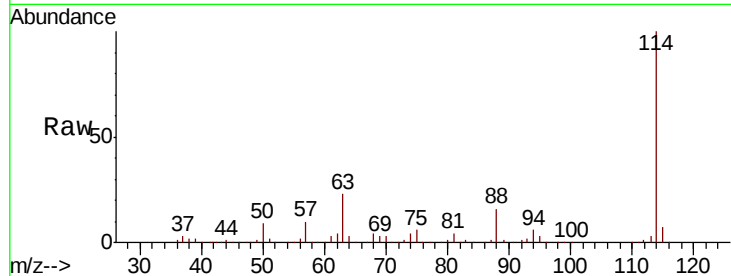




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX009033.D
 Acq: 18 Apr 2019 10:53

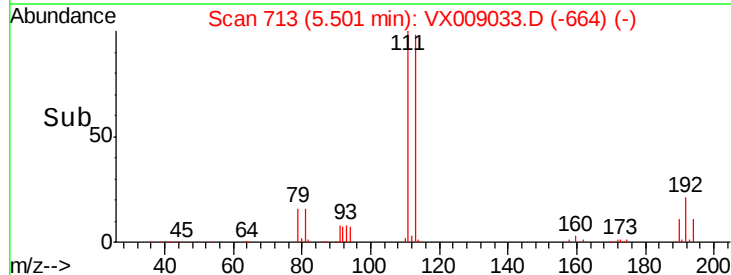
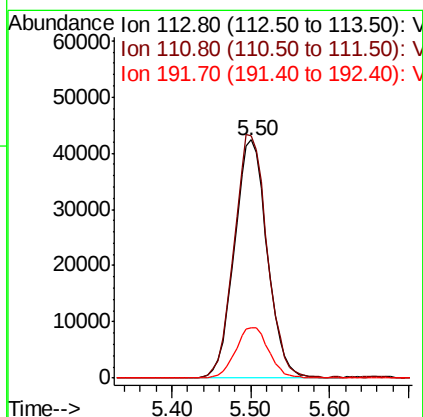
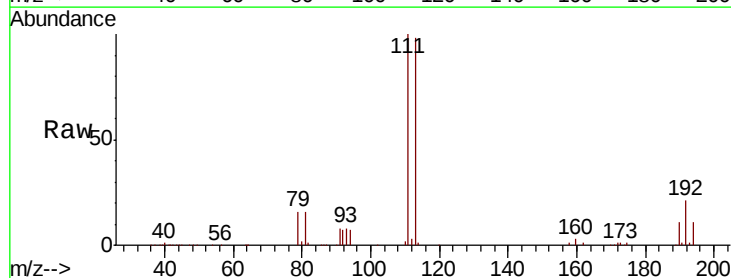
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0418WBL01

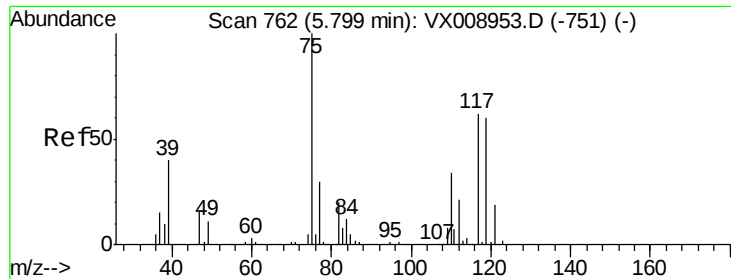
Tot Ion:114 Resp: 411748
 Ion Ratio Lower Upper
 114 100
 63 22.9 0.0 46.0
 88 15.9 0.0 32.6



#35
 Dibromofluoromethane
 Concen: 46.364 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. -0.00 min
 Lab File: VX009033.D
 Acq: 18 Apr 2019 10:53

Tgt Ion:113 Resp: 122516
 Ion Ratio Lower Upper
 113 100
 111 102.8 82.9 124.3
 192 21.6 17.4 26.0





#36

1,1-Dichloropropene

Concen: 4.792 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX009033.D

Acq: 18 Apr 2019 10:53

Instrument :

MSVOA_X

ClientSampleId :

VX0418WBL01

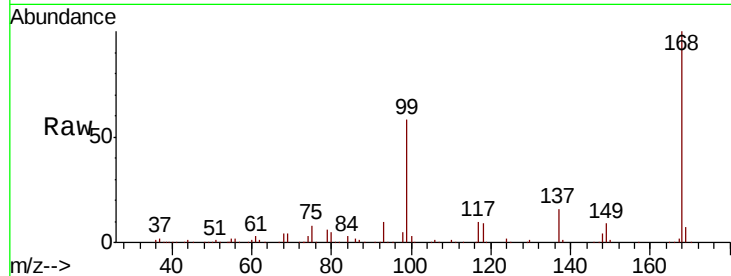
Tot Ion: 75 Resp: 20406

Ion Ratio Lower Upper

75 100

110 8.9 16.9 50.7#

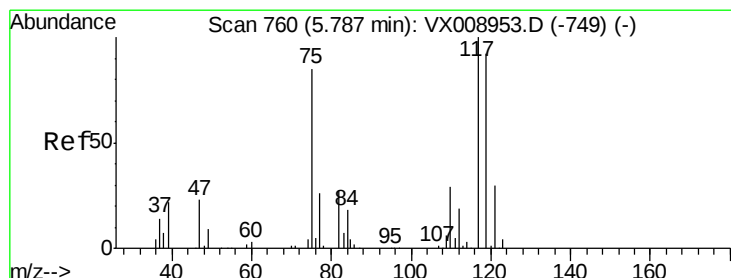
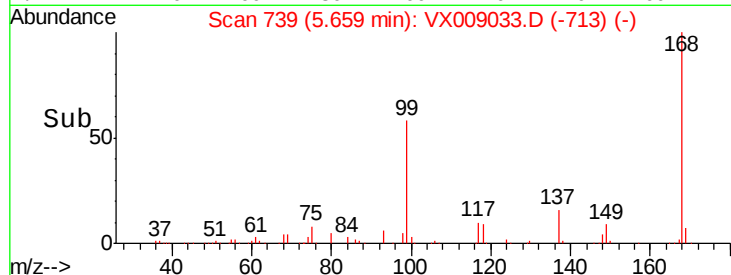
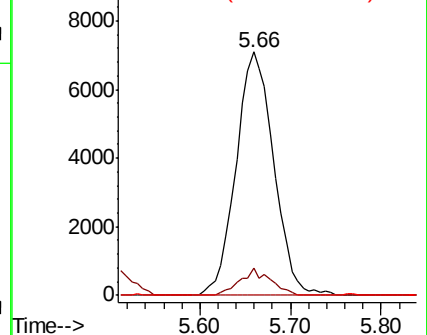
77 0.0 25.0 37.4#



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: 6.842 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.13 min

Lab File: VX009033.D

Acq: 18 Apr 2019 10:53

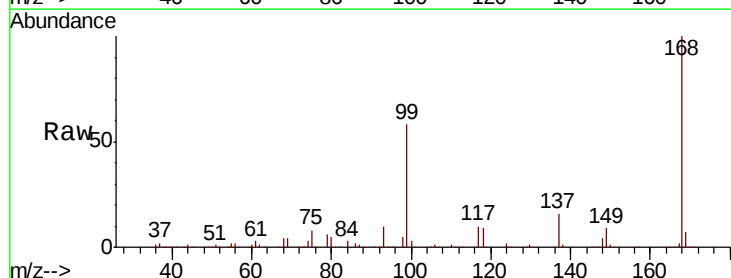
Tgt Ion: 117 Resp: 24701

Ion Ratio Lower Upper

117 100

119 4.7 73.8 110.8#

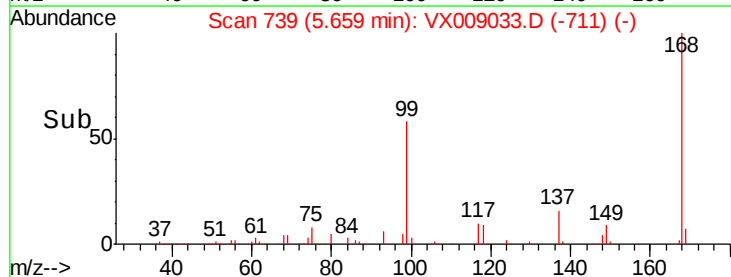
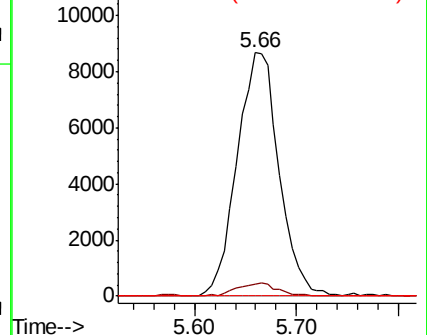
121 0.0 23.6 35.4#

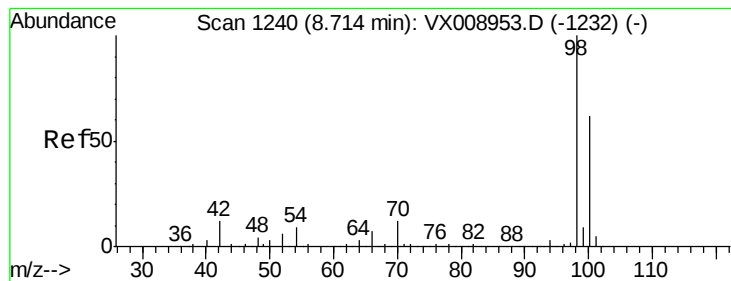


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#50

Toluene-d8

Concen: 49.160 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX009033.D

Acq: 18 Apr 2019 10:53

Instrument :

MSVOA_X

ClientSampleId :

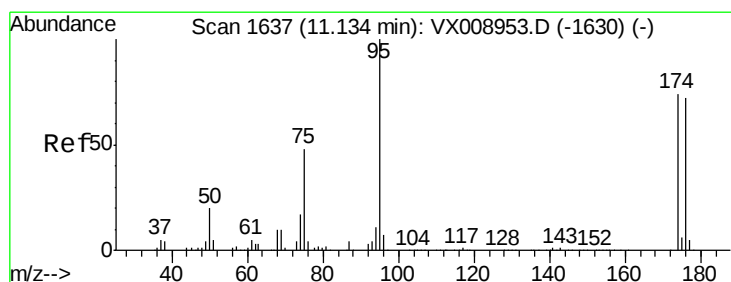
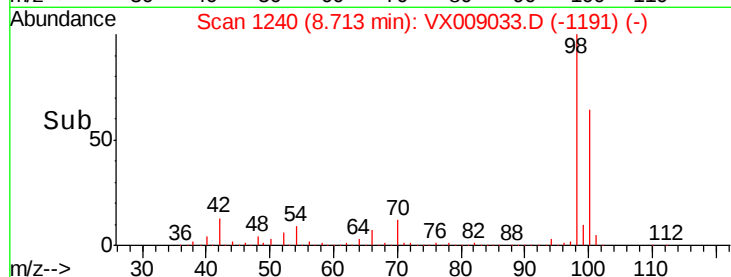
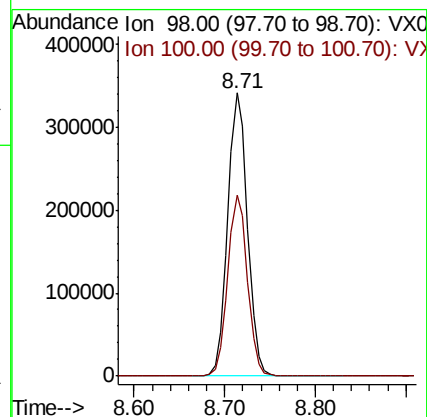
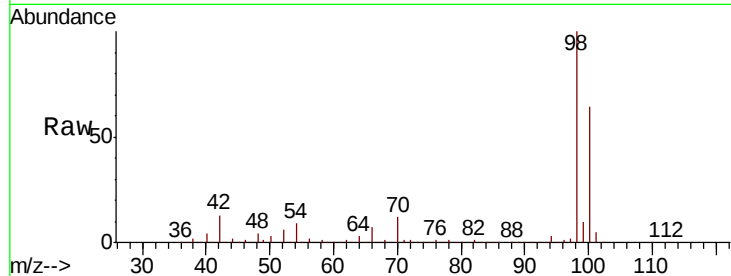
VX0418WBL01

Tot Ion: 98 Resp: 518074

Ion Ratio Lower Upper

98 100

100 63.9 51.4 77.2



#62

4-Bromofluorobenzene

Concen: 46.985 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX009033.D

Acq: 18 Apr 2019 10:53

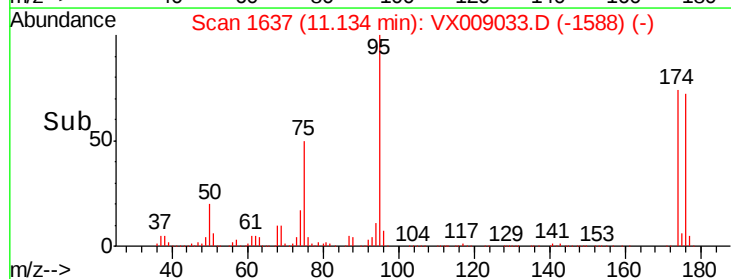
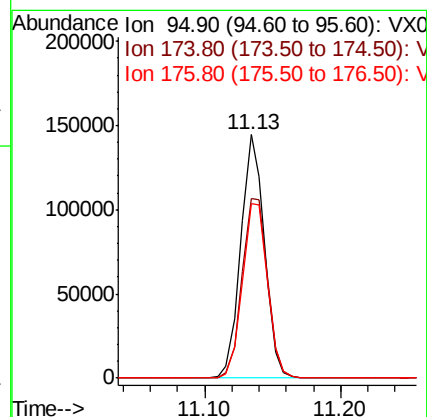
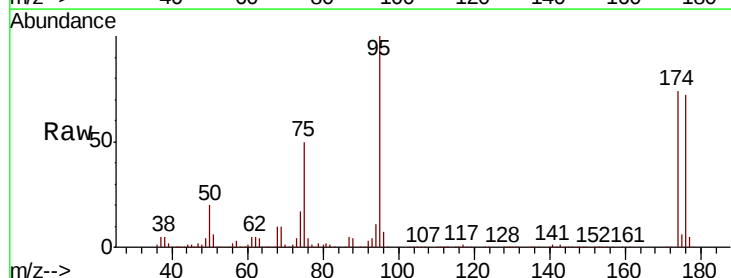
Tgt Ion: 95 Resp: 174788

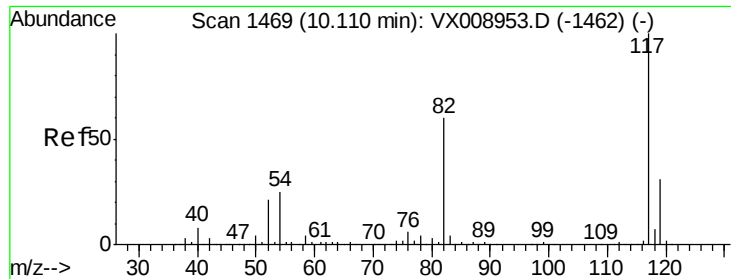
Ion Ratio Lower Upper

95 100

174 79.5 0.0 159.6

176 76.5 0.0 154.8

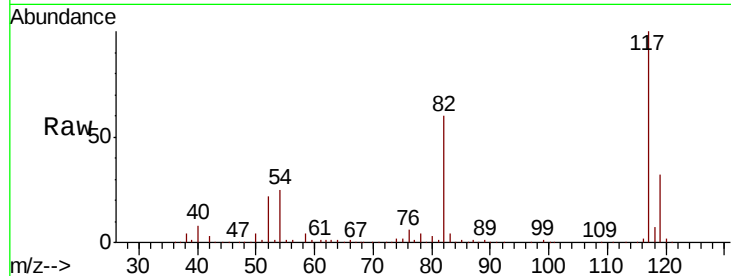




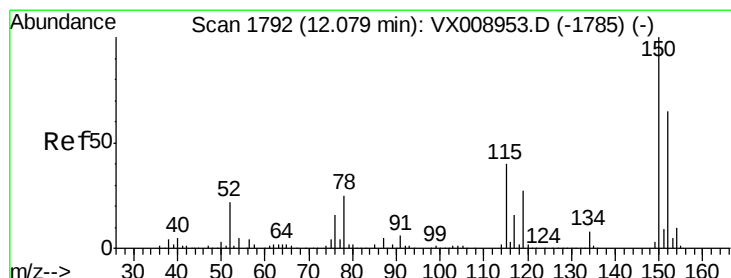
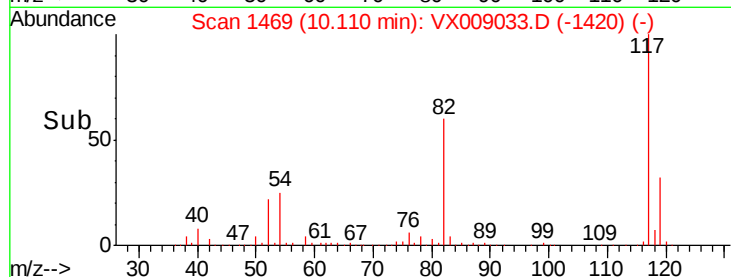
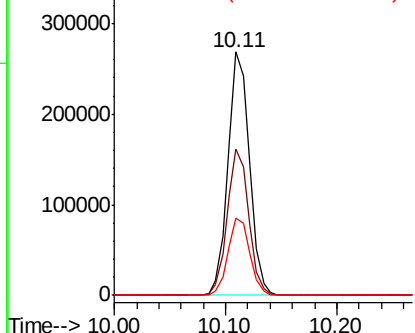
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX009033.D
Acq: 18 Apr 2019 10:53

Instrument :
MSVOA_X
ClientSampleId :
VX0418WBL01

Tot Ion:117 Resp: 359177
Ion Ratio Lower Upper
117 100
82 60.2 48.2 72.4
119 31.8 25.0 37.6

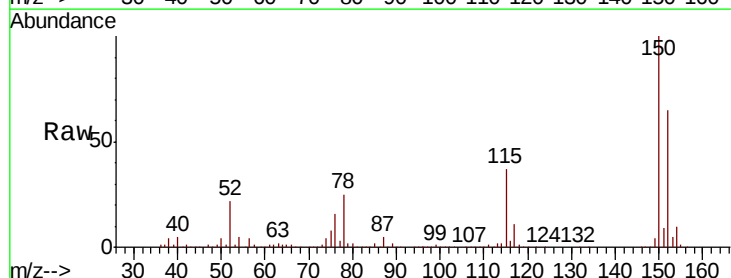


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

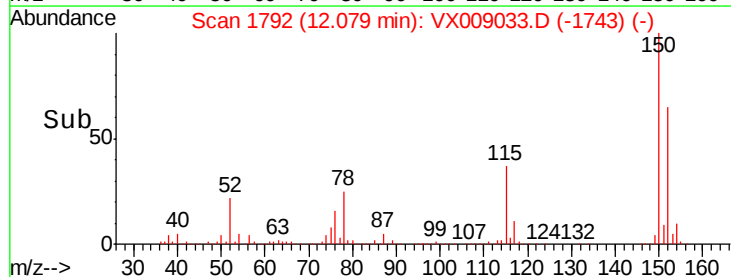
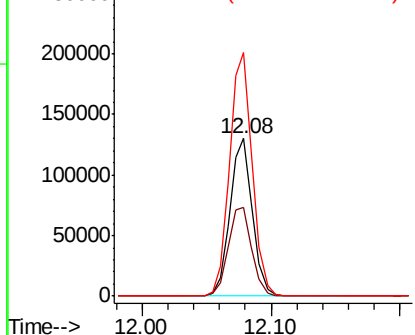


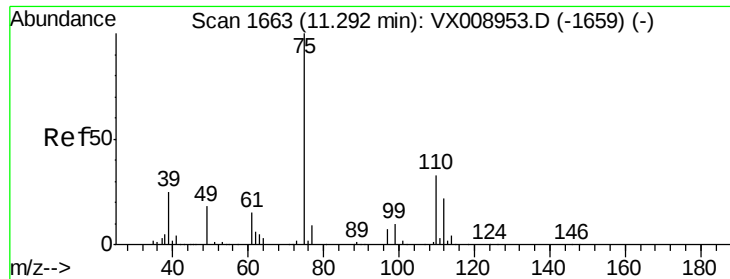
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX009033.D
Acq: 18 Apr 2019 10:53

Tgt Ion:152 Resp: 157905
Ion Ratio Lower Upper
152 100
115 59.5 41.4 124.2
150 157.2 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: 23.038 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX009033.D

Acq: 18 Apr 2019 10:53

Instrument :

MSVOA_X

ClientSampleId :

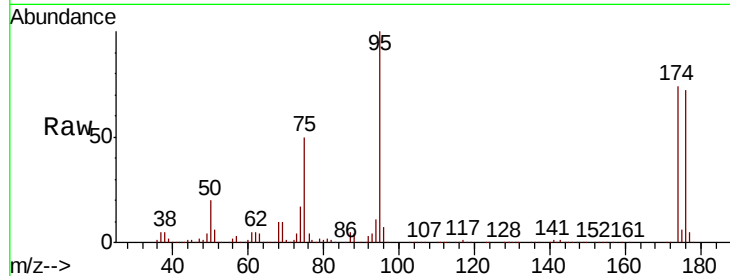
VX0418WBL01

Tot Ion: 75 Resp: 88830

Ion Ratio Lower Upper

75 100

77 1.4 22.7 68.0#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

11.13

80000

60000

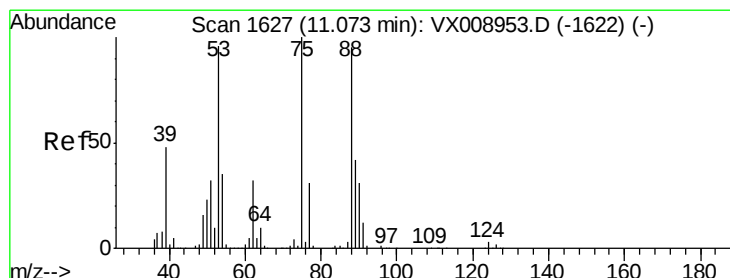
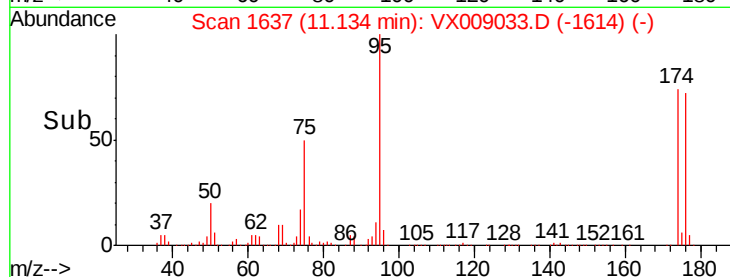
40000

20000

0

Time-->

11.10 11.20



#81

trans-1,4-Dichloro-2-butene

Concen: 59.146 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX009033.D

Acq: 18 Apr 2019 10:53

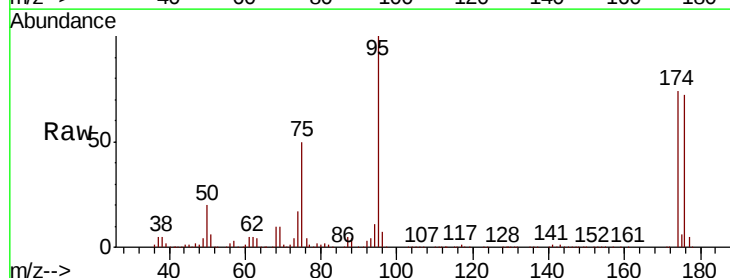
Tgt Ion: 75 Resp: 88830

Ion Ratio Lower Upper

75 100

53 0.2 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

100000

80000

60000

40000

20000

0

Time-->

11.10 11.20

