

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX041619\
 Data File : VX008997.D
 Acq On : 16 Apr 2019 18:57
 Operator : JC/SP
 Sample : K2440-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RW-7

Quant Time: Apr 17 04:19:27 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	265591	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	423534	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	364008	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	154080	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	170467	45.54	ug/l	0.00
Spiked Amount			Recovery	=	91.08%	
35) Dibromofluoromethane	5.50	113	123631	45.48	ug/l	0.00
Spiked Amount			Recovery	=	90.96%	
50) Toluene-d8	8.71	98	522596	48.21	ug/l	0.00
Spiked Amount			Recovery	=	96.42%	
62) 4-Bromofluorobenzene	11.13	95	172979	45.20	ug/l	0.00
Spiked Amount			Recovery	=	90.40%	

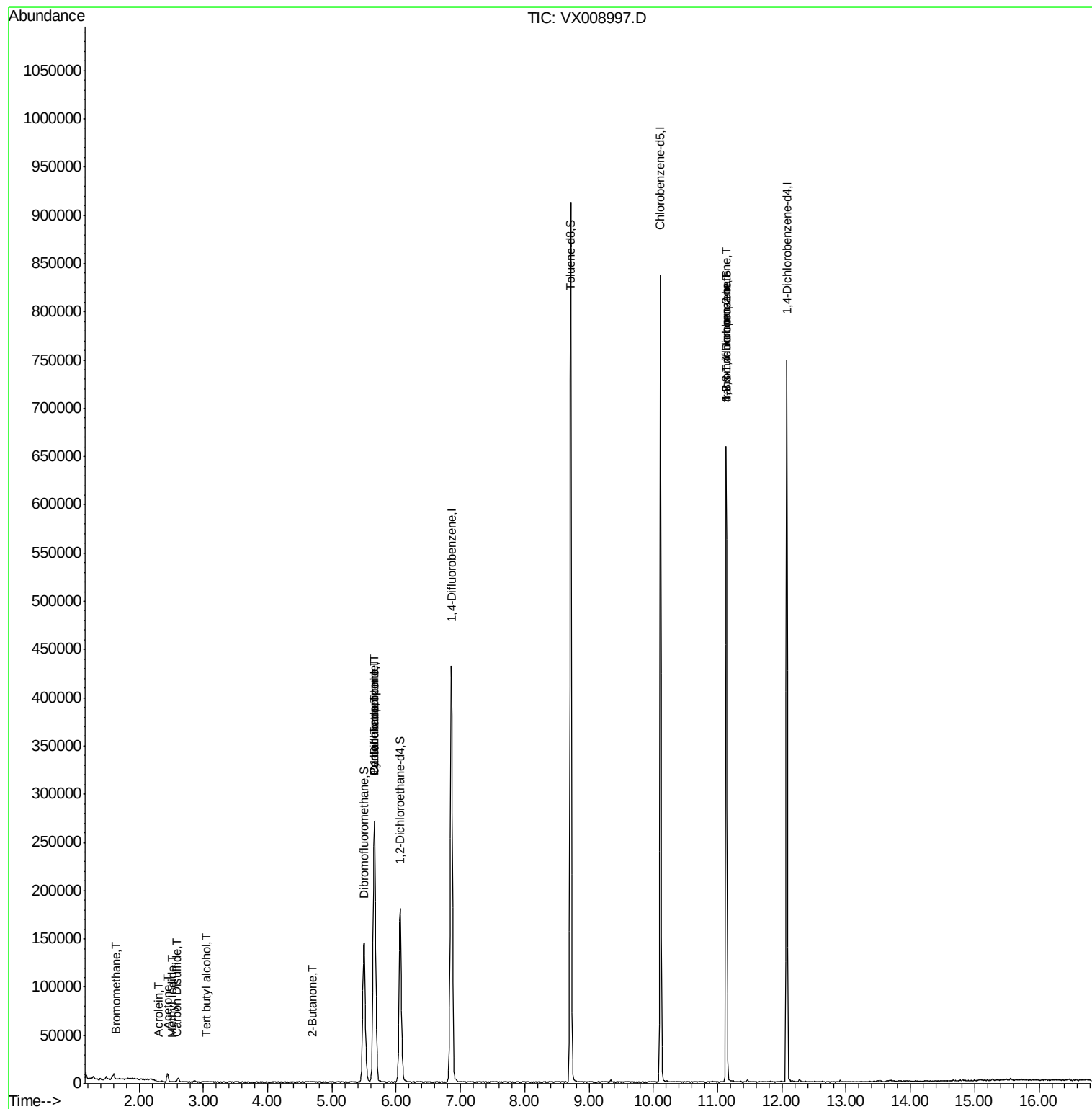
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	319	3.977	ug/l #	74
10) Methyl Iodide	2.51	142	72	4.436	ug/l #	42
11) Tert butyl alcohol	3.04	59	695	0.837	ug/l #	89
13) Acrolein	2.30	56	282	0.393	ug/l	98
16) Acetone	2.44	43	10335	5.325	ug/l	94
17) Carbon Disulfide	2.58	76	561	1.318	ug/l #	79
25) 2-Butanone	4.69	43	1083	0.349	ug/l	93
28) Bromochloromethane	5.01	49	64	Below Cal	#	21
31) Cyclohexane	5.66	56	5656	0.949	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	20644	4.713	ug/l #	50
38) Carbon Tetrachloride	5.67	117	24456	6.586	ug/l #	19
76) 1,2,3-Trichloropropane	11.13	75	89031	23.664	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.13	75	89031	60.752	ug/l #	11

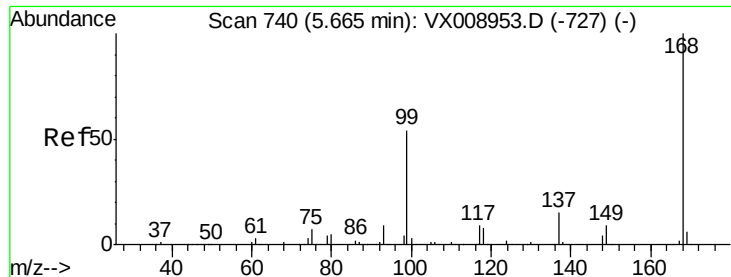
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX041619\
Data File : VX008997.D
Acq On : 16 Apr 2019 18:57
Operator : JC/SP
Sample : K2440-02
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RW-7

Quant Time: Apr 17 04:19:27 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X041519W.M
Quant Title : SW846 8260
QLast Update : Tue Apr 16 09:35:21 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX008997.D

Acq: 16 Apr 2019 18:57

Instrument :

MSVOA_X

ClientSampled :

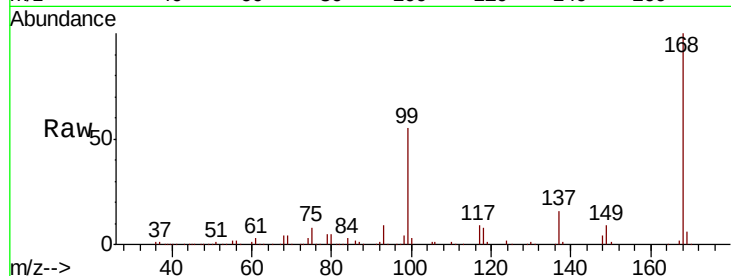
RW-7

Tot Ion:168 Resp: 265591

Ion Ratio Lower Upper

168 100

99 55.4 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

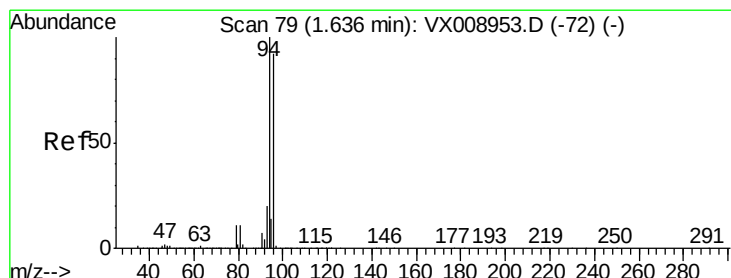
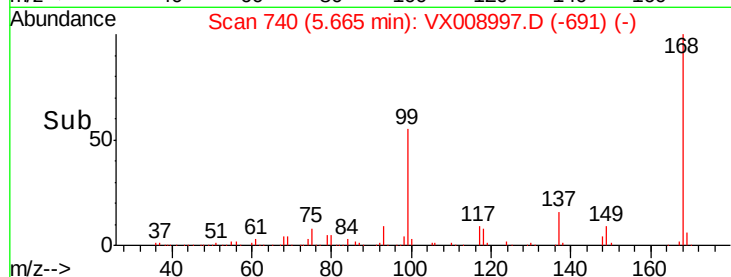
40000

20000

0

Time-->

5.50 5.60 5.70 5.80 5.90



#5

Bromomethane

Concen: 3.977 ug/l

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX008997.D

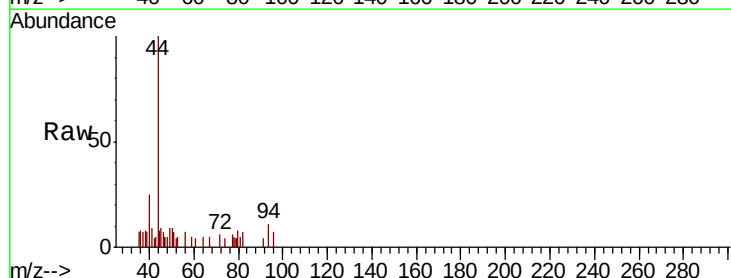
Acq: 16 Apr 2019 18:57

Tgt Ion: 94 Resp: 319

Ion Ratio Lower Upper

94 100

96 67.1 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

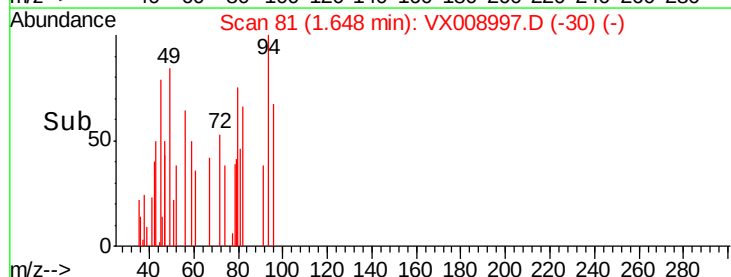
100

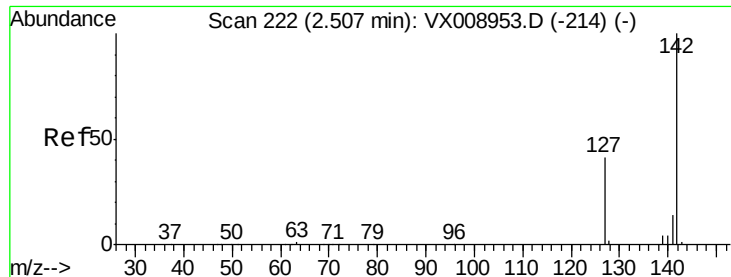
50

0

Time-->

1.60 1.65 1.70

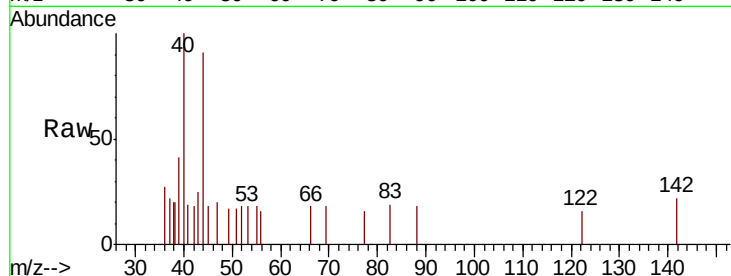




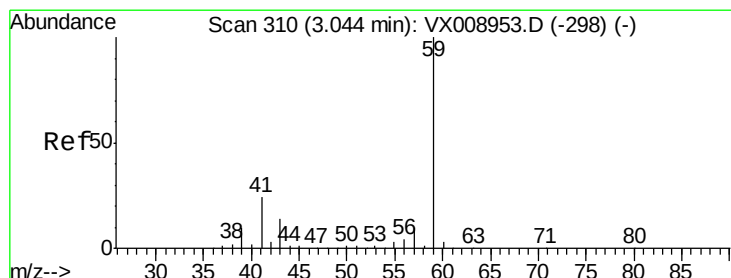
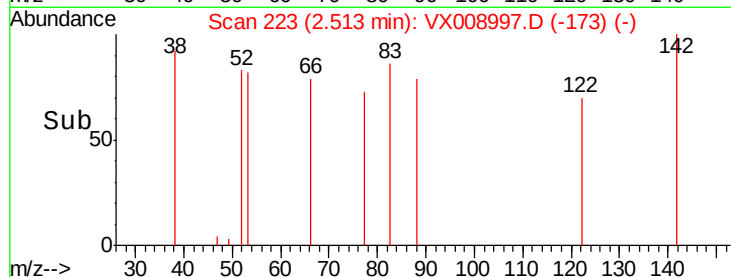
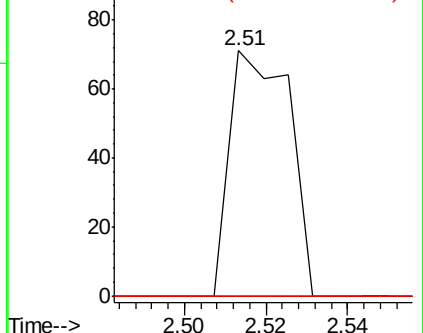
#10
Methyl Iodide
Concen: 4.436 ug/l
RT: 2.51 min Scan# 223
Delta R.T. 0.01 min
Lab File: VX008997.D
Acq: 16 Apr 2019 18:57

Instrument :
MSVOA_X
ClientSampled :
RW-7

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

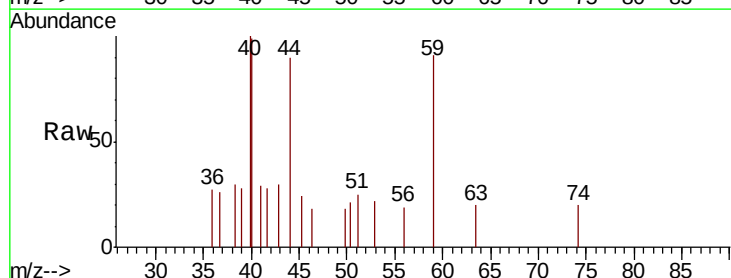


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

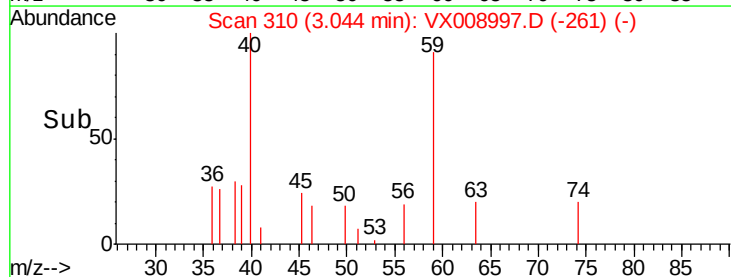
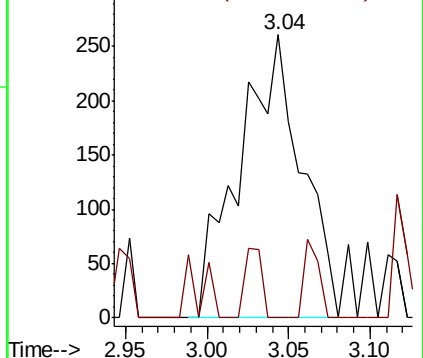


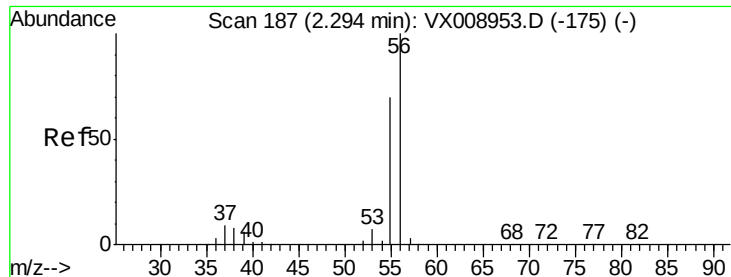
#11
Tert butyl alcohol
Concen: 0.837 ug/l
RT: 3.04 min Scan# 310
Delta R.T. -0.00 min
Lab File: VX008997.D
Acq: 16 Apr 2019 18:57

Tgt Ion	Ratio	Lower	Upper
59	100		
57	6.5	8.4	12.6#



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

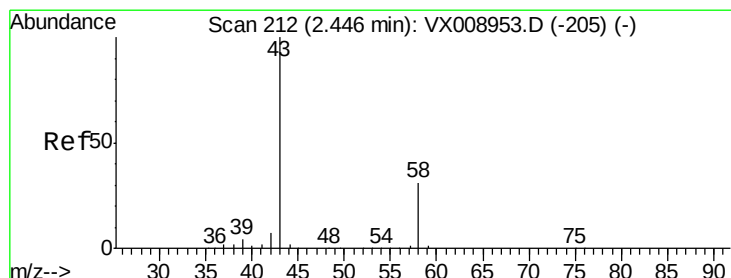
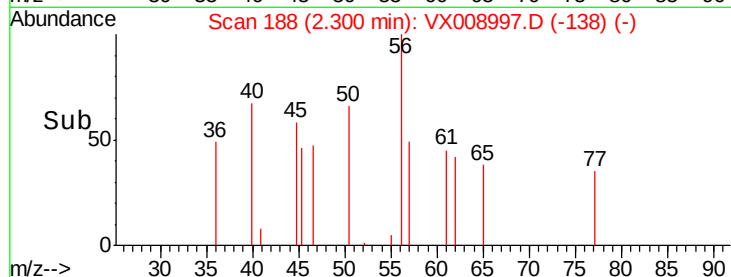
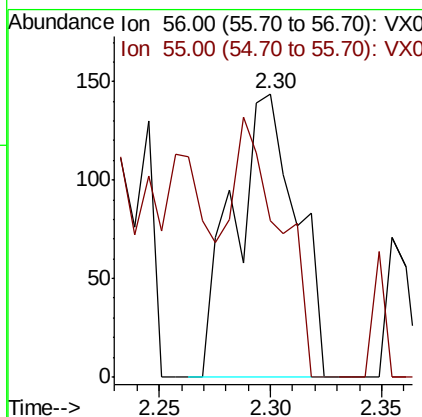
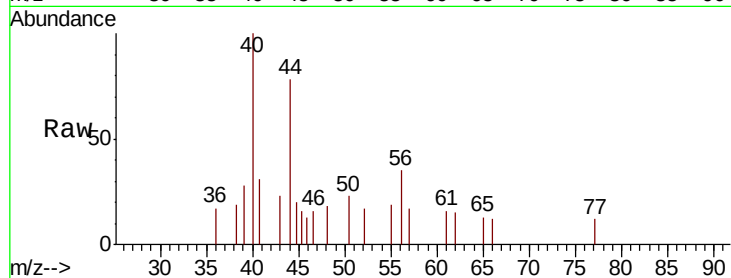




#13
Acrolein
Concen: 0.393 ug/l
RT: 2.30 min Scan# 188
Delta R.T. 0.01 min
Lab File: VX008997.D
Acq: 16 Apr 2019 18:57

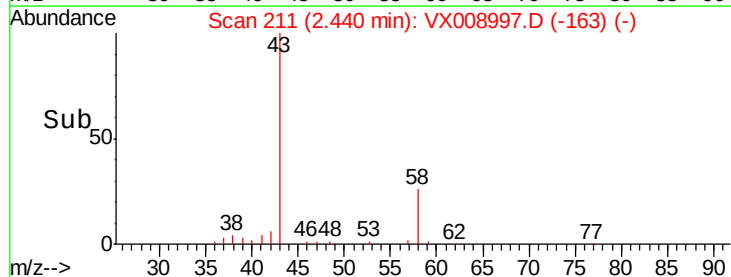
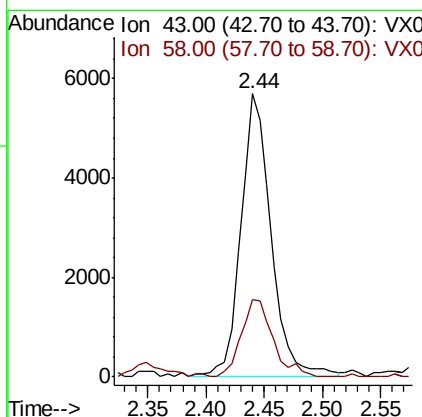
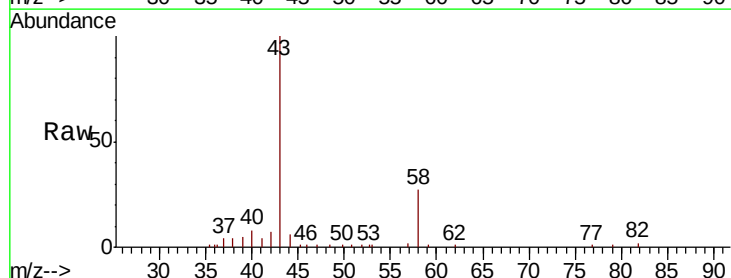
Instrument :
MSVOA_X
ClientSampled :
RW-7

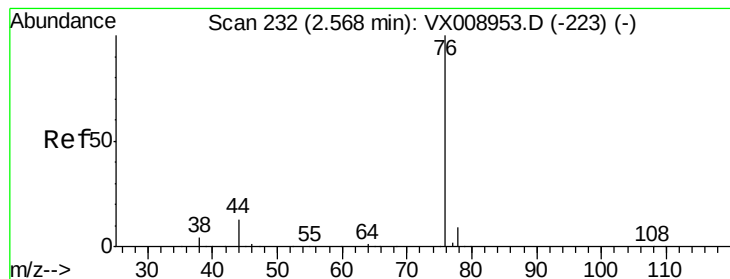
Tot Ion: 56 Resp: 282
Ion Ratio Lower Upper
56 100
55 72.0 56.6 84.8



#16
Acetone
Concen: 5.325 ug/l
RT: 2.44 min Scan# 211
Delta R.T. -0.01 min
Lab File: VX008997.D
Acq: 16 Apr 2019 18:57

Tgt Ion: 43 Resp: 10335
Ion Ratio Lower Upper
43 100
58 27.4 24.8 37.2





#17

Carbon Disulfide

Concen: 1.318 ug/l

RT: 2.58 min Scan# 234

Delta R.T. 0.01 min

Lab File: VX008997.D

Acq: 16 Apr 2019 18:57

Instrument :

MSVOA_X

ClientSampled :

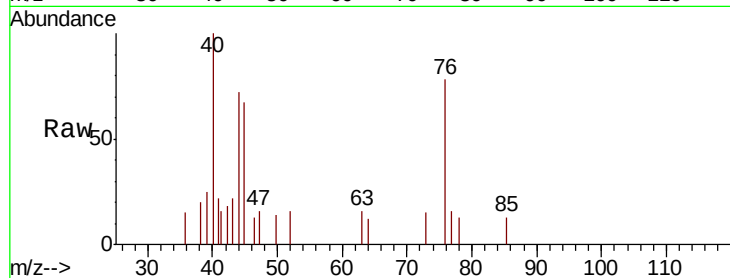
RW-7

Tot Ion: 76 Resp: 561

Ion Ratio Lower Upper

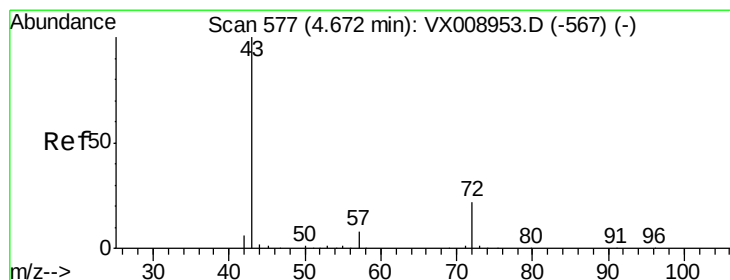
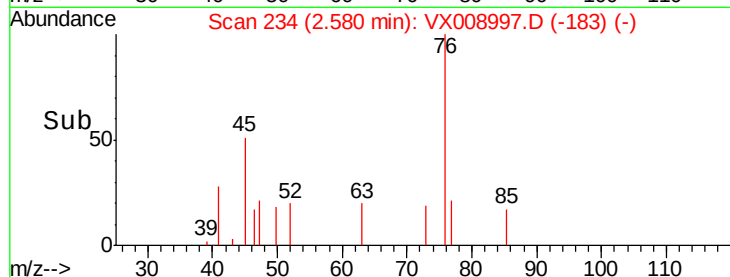
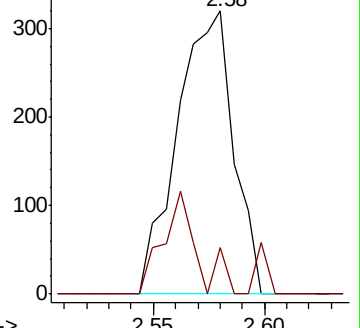
76 100

78 16.6 7.2 10.8#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#25

2-Butanone

Concen: 0.349 ug/l

RT: 4.69 min Scan# 580

Delta R.T. 0.02 min

Lab File: VX008997.D

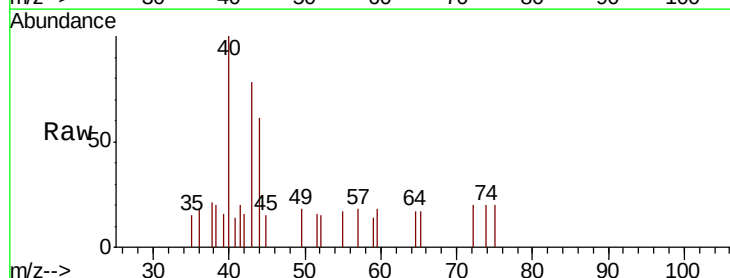
Acq: 16 Apr 2019 18:57

Tgt Ion: 43 Resp: 1083

Ion Ratio Lower Upper

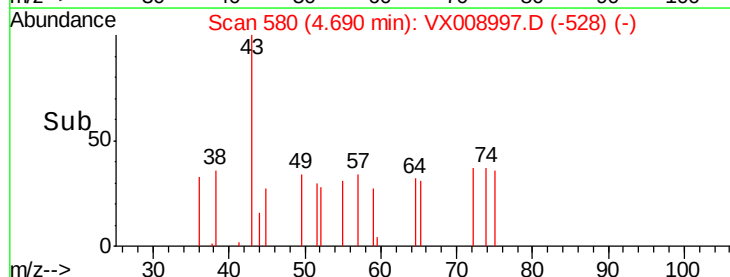
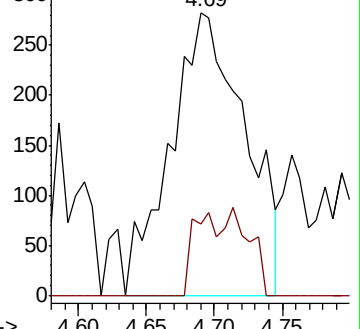
43 100

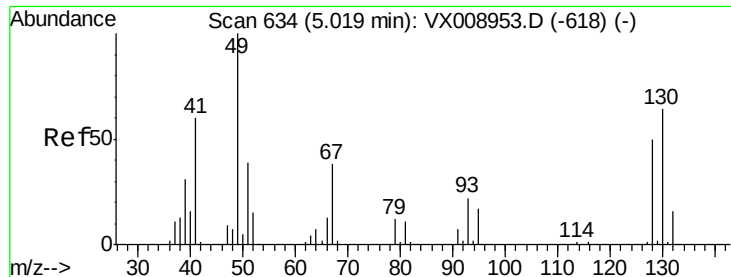
72 25.4 17.5 26.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0





#28

Bromochloromethane

Concen: Below Cal

RT: 5.01 min Scan# 632

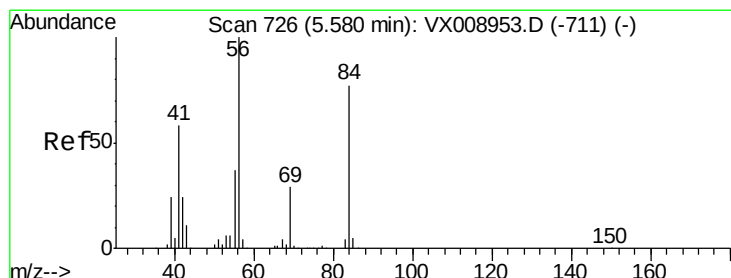
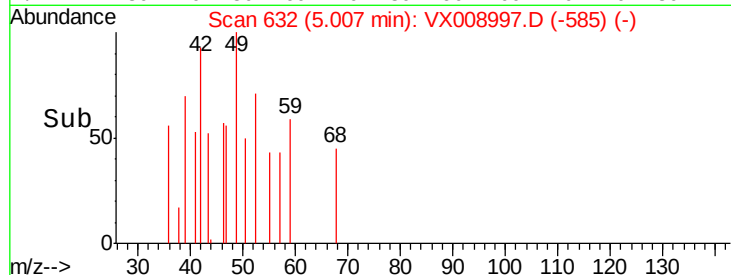
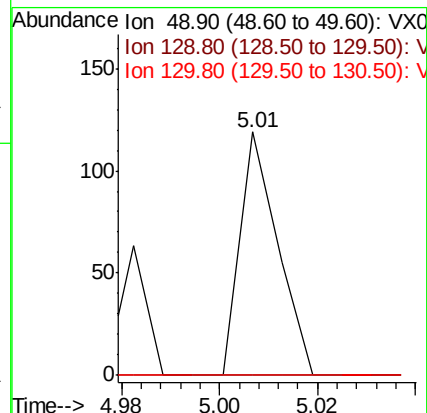
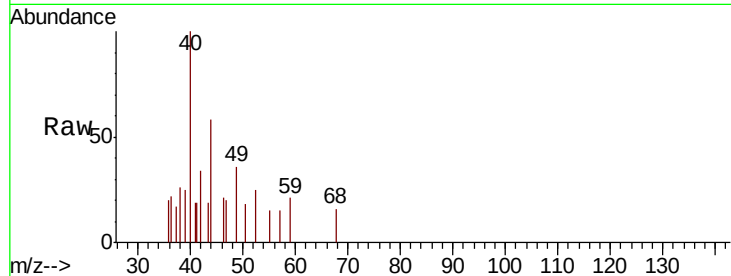
Delta R.T. -0.01 min

Lab File: VX008997.D

Acq: 16 Apr 2019 18:57

Instrument :
MSVOA_X
ClientSampled :
RW-7

Tot Ion: 49 Resp: 64
Ion Ratio Lower Upper
49 100
129 0.0 0.0 3.6
130 0.0 50.4 75.6#



#31

Cyclohexane

Concen: 0.949 ug/l

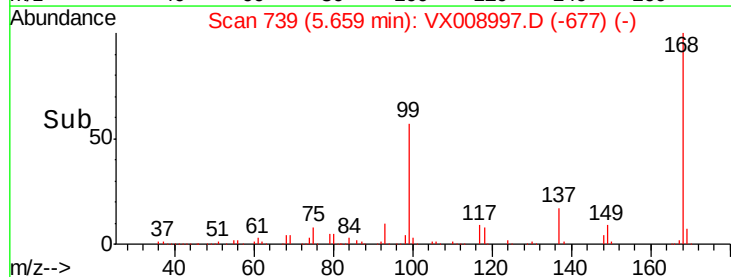
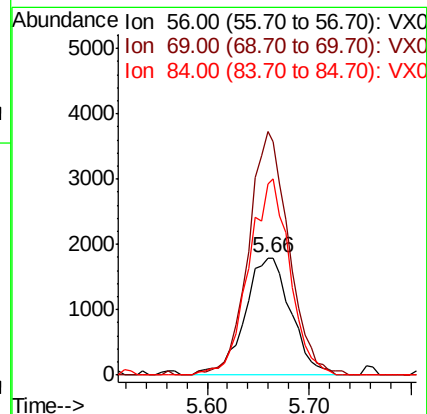
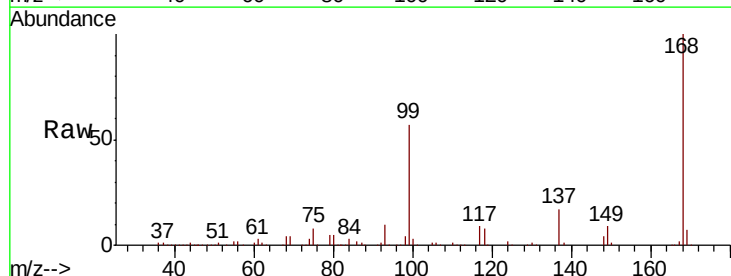
RT: 5.66 min Scan# 739

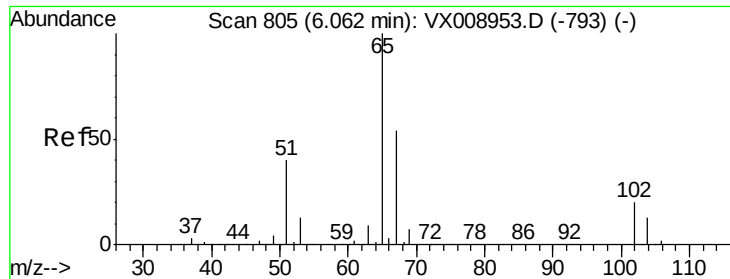
Delta R.T. 0.08 min

Lab File: VX008997.D

Acq: 16 Apr 2019 18:57

Tgt Ion: 56 Resp: 5656
Ion Ratio Lower Upper
56 100
69 207.5 23.3 34.9#
84 162.7 61.7 92.5#





#33

1,2-Dichloroethane-d4

Concen: 45.544 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.00 min

Lab File: VX008997.D

Acq: 16 Apr 2019 18:57

Instrument :

MSVOA_X

ClientSampleId :

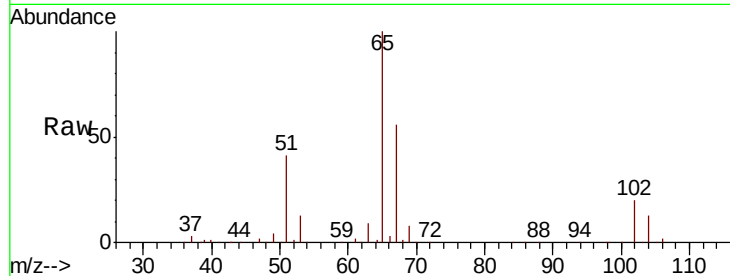
RW-7

Tot Ion: 65 Resp: 170467

Ion Ratio Lower Upper

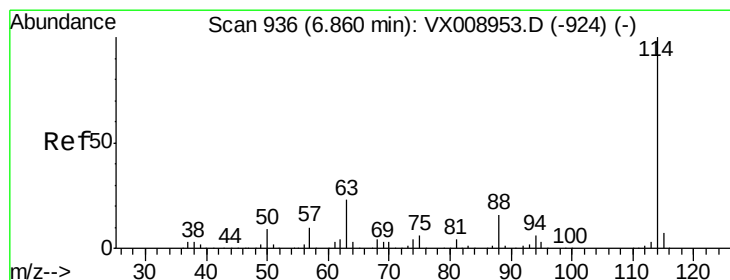
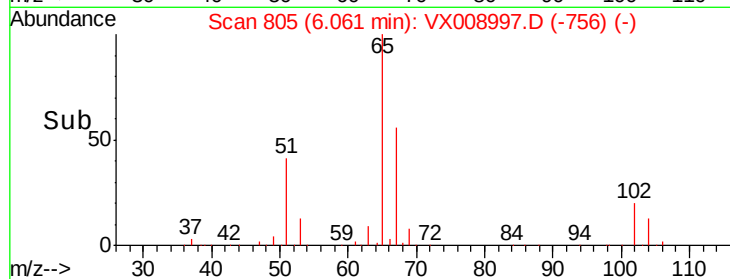
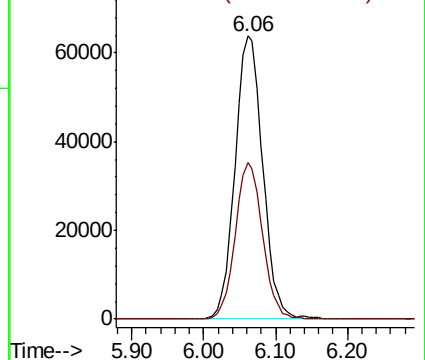
65 100

67 54.4 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: VX008997.D

Acq: 16 Apr 2019 18:57

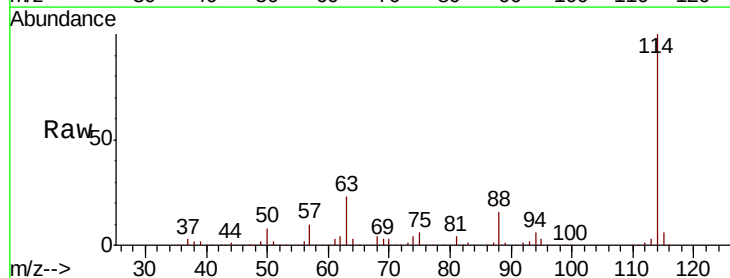
Tgt Ion: 114 Resp: 423534

Ion Ratio Lower Upper

114 100

63 23.2 0.0 46.0

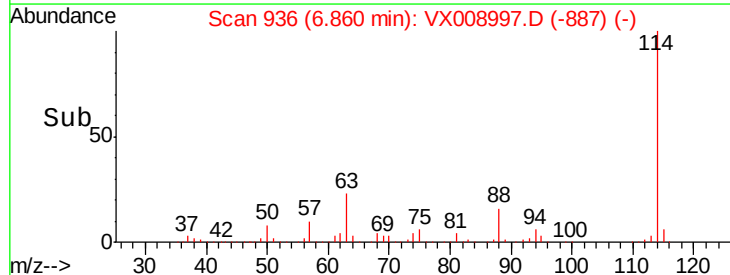
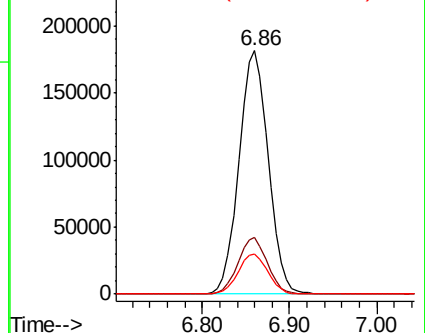
88 16.5 0.0 32.6

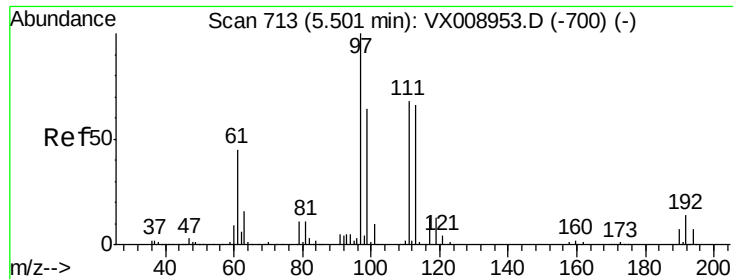


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 45.484 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX008997.D

Acq: 16 Apr 2019 18:57

Instrument :

MSVOA_X

ClientSampleId :

RW-7

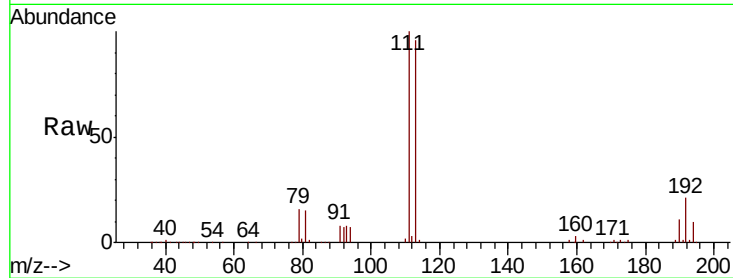
Tot Ion:113 Resp: 123631

Ion Ratio Lower Upper

113 100

111 102.9 82.9 124.3

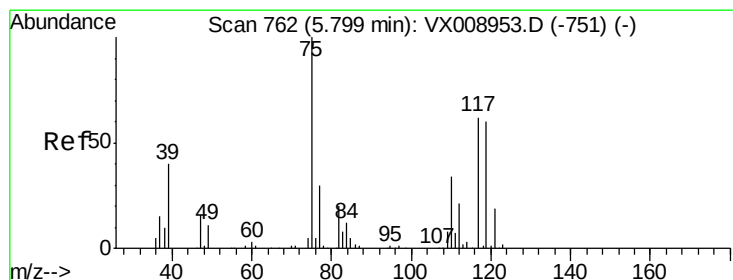
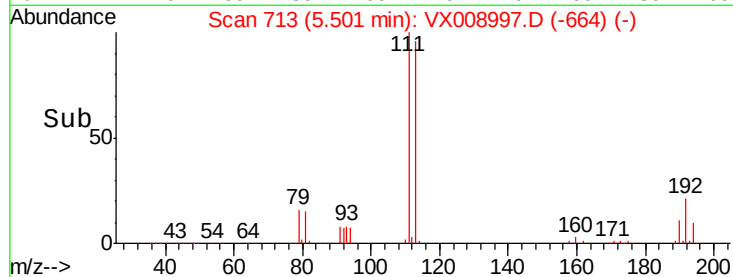
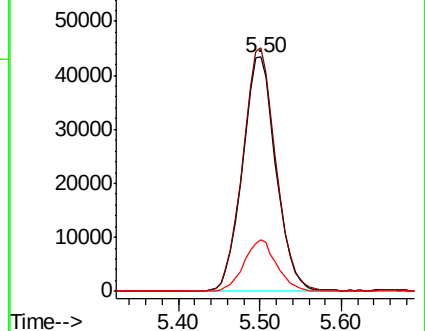
192 21.5 17.4 26.0



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: 4.713 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX008997.D

Acq: 16 Apr 2019 18:57

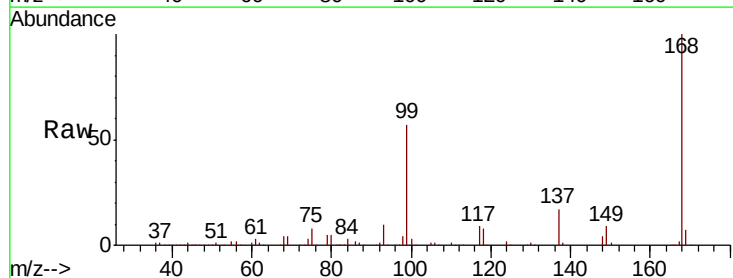
Tgt Ion: 75 Resp: 20644

Ion Ratio Lower Upper

75 100

110 9.0 16.9 50.7#

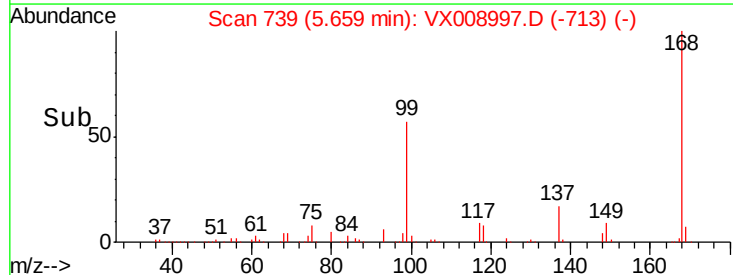
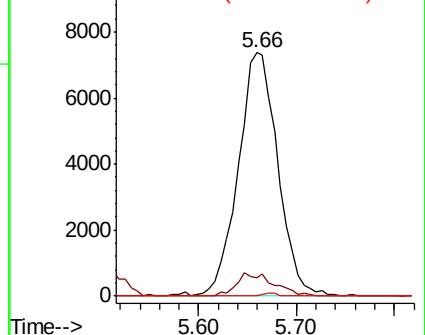
77 0.0 25.0 37.4#

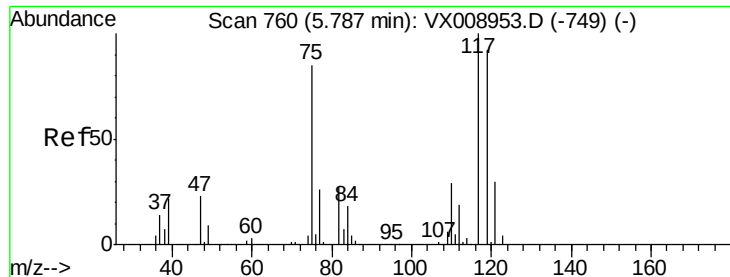


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.586 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX008997.D

Acq: 16 Apr 2019 18:57

Instrument :

MSVOA_X

ClientSampleId :

RW-7

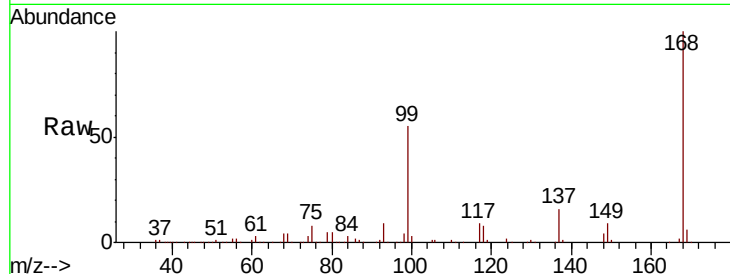
Tot Ion:117 Resp: 24456

Ion Ratio Lower Upper

117 100

119 6.3 73.8 110.8#

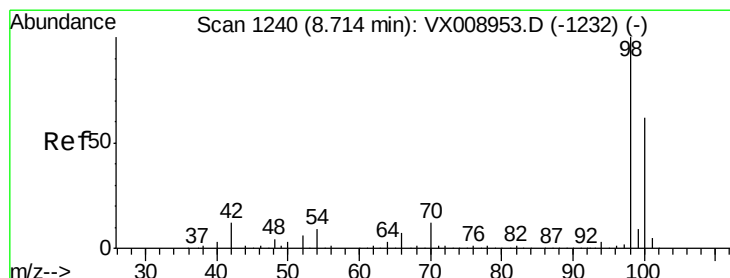
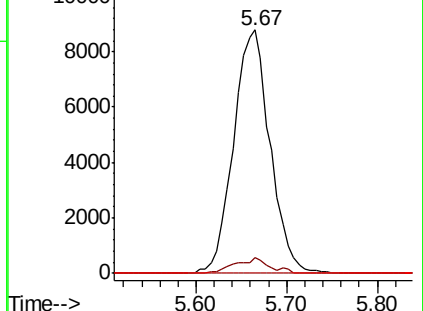
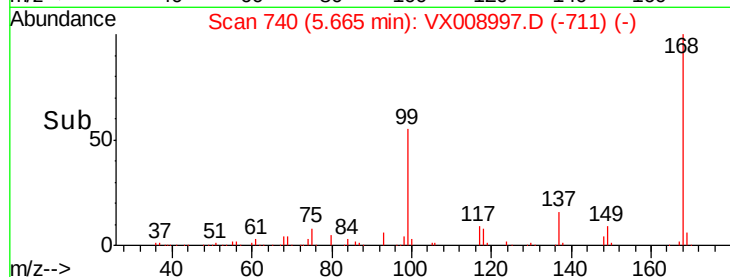
121 0.0 23.6 35.4#



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: 48.210 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX008997.D

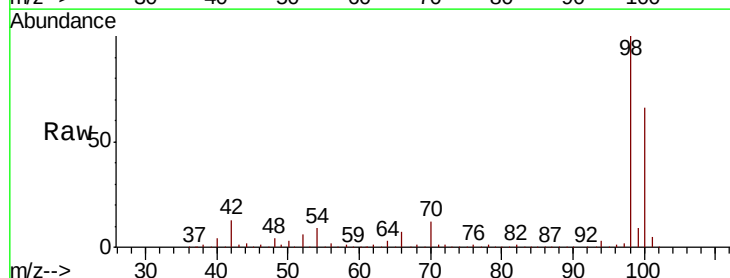
Acq: 16 Apr 2019 18:57

Tgt Ion: 98 Resp: 522596

Ion Ratio Lower Upper

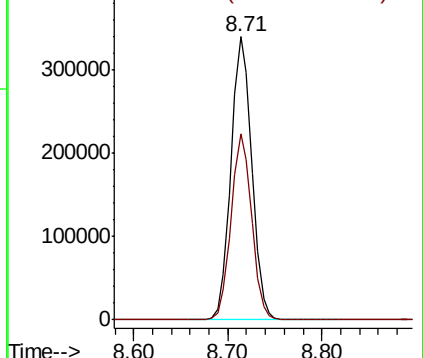
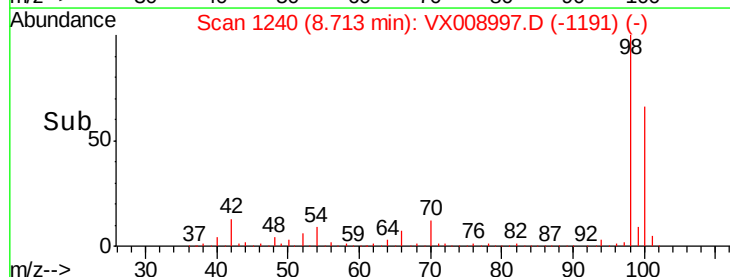
98 100

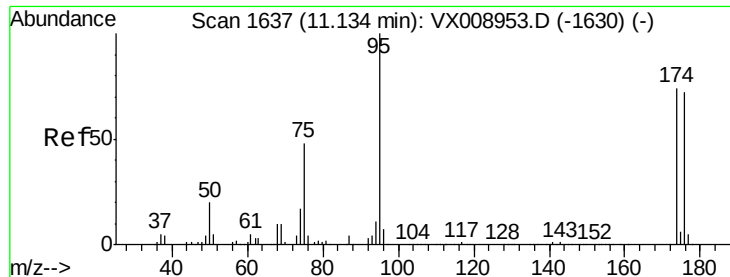
100 64.8 51.4 77.2



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 45.205 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX008997.D

Acq: 16 Apr 2019 18:57

Instrument :

MSVOA_X

ClientSampleId :

RW-7

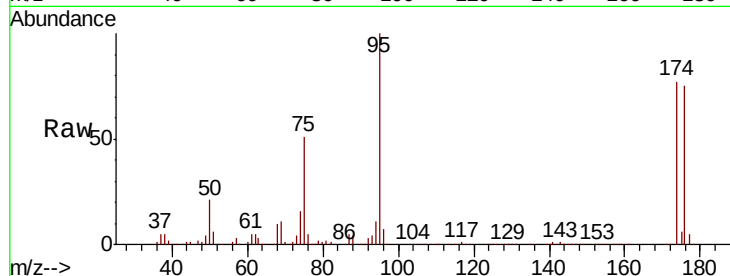
Tot Ion: 95 Resp: 172979

Ion Ratio Lower Upper

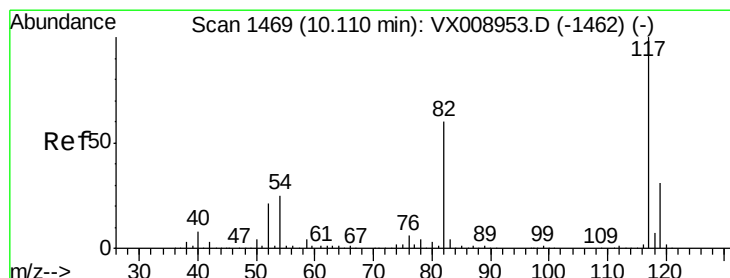
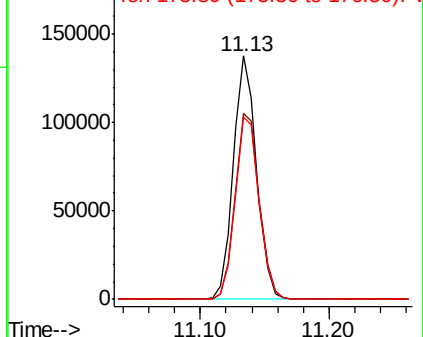
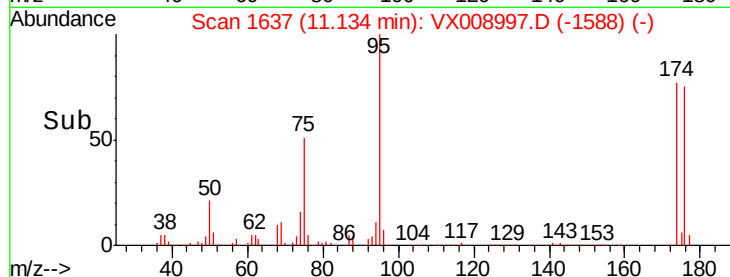
95 100

174 79.7 0.0 159.6

176 77.4 0.0 154.8



Abundance Ion 94.90 (94.60 to 95.60): VX008997.D (-1588) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VX008997.D

Acq: 16 Apr 2019 18:57

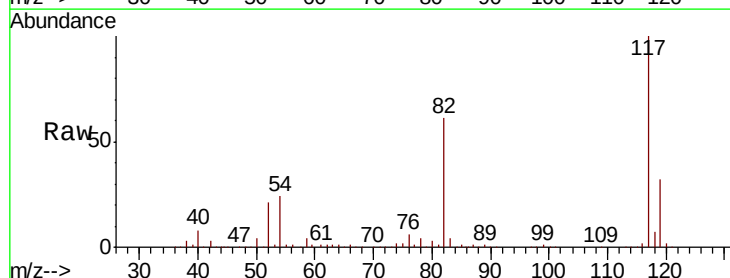
Tgt Ion: 117 Resp: 364008

Ion Ratio Lower Upper

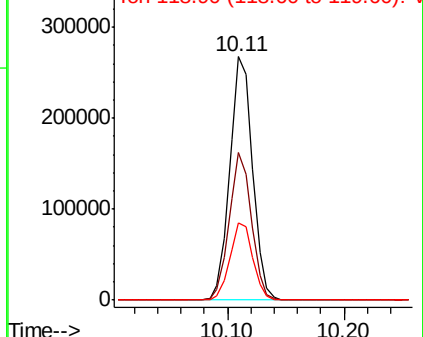
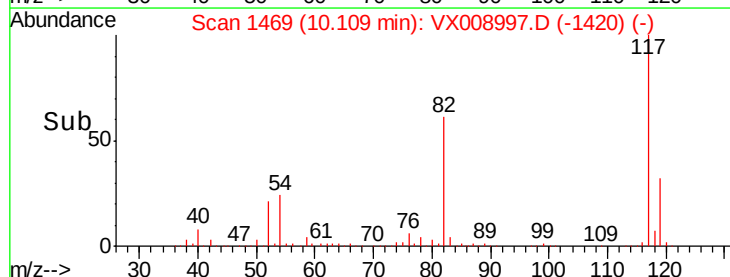
117 100

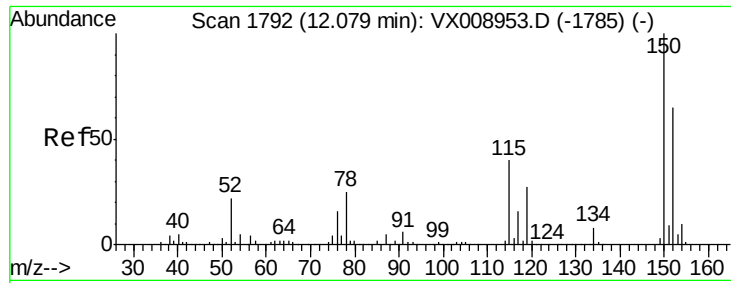
82 60.7 48.2 72.4

119 31.6 25.0 37.6



Abundance Ion 116.90 (116.60 to 117.60): VX008997.D (-1420) (-)



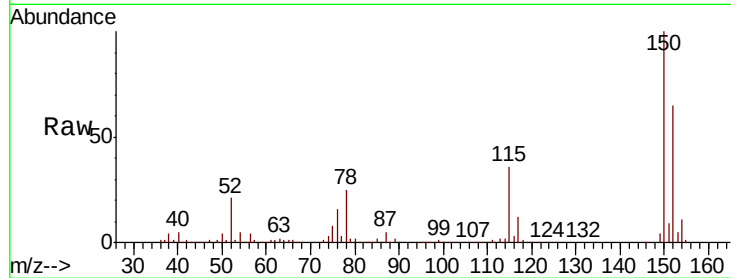


#72

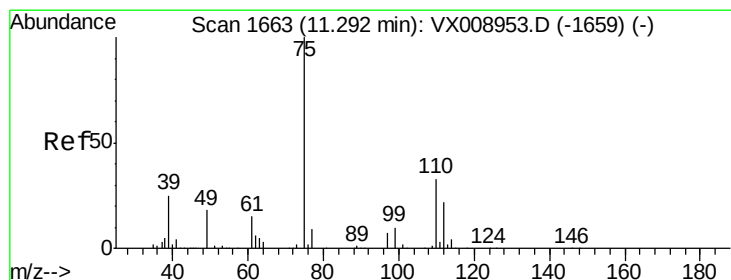
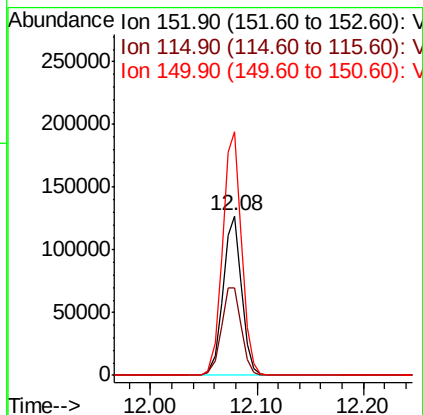
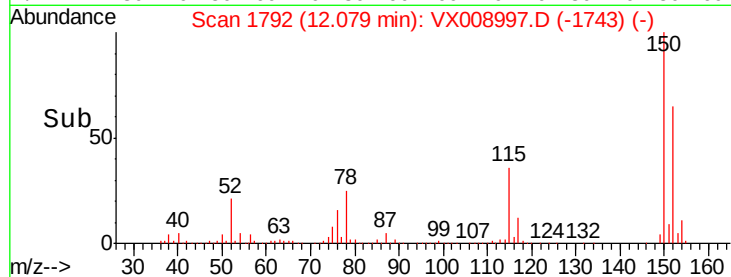
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX008997.D
Acq: 16 Apr 2019 18:57

Instrument :
MSVOA_X
ClientSampled :
RW-7

Tot Ion:152 Resp: 154080
Ion Ratio Lower Upper
152 100
115 59.2 41.4 124.2
150 156.3 0.0 349.8



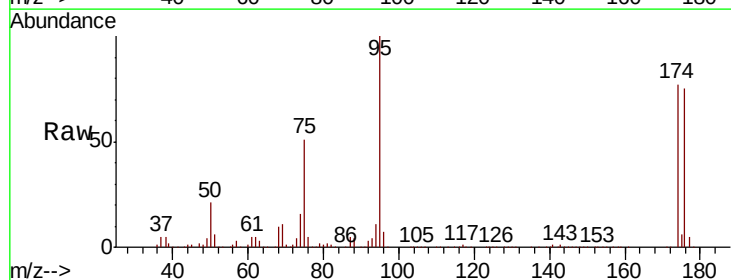
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



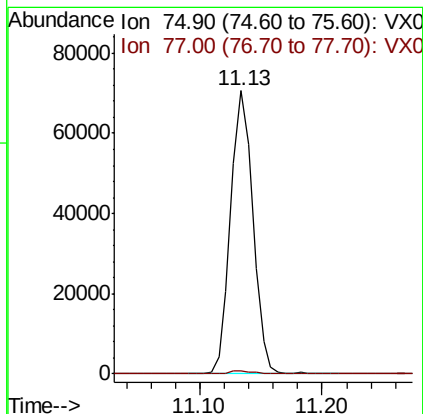
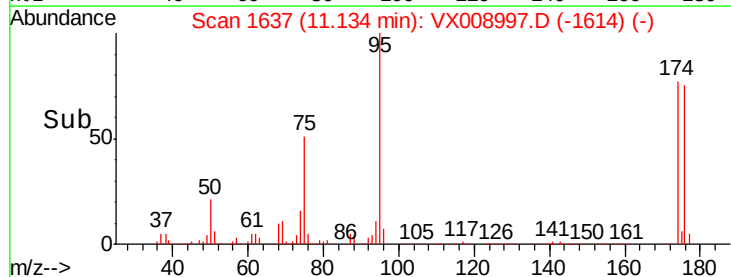
#76

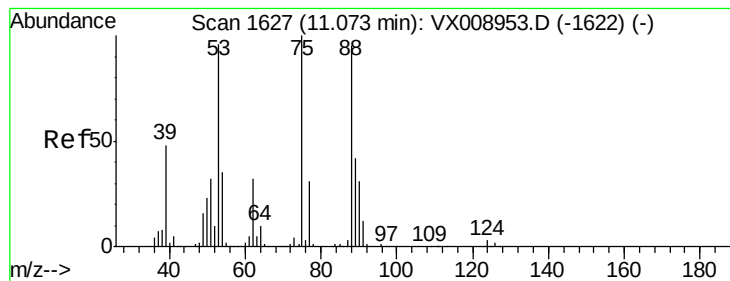
1,2,3-Trichloropropane
Concen: 23.664 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.16 min
Lab File: VX008997.D
Acq: 16 Apr 2019 18:57

Tgt Ion: 75 Resp: 89031
Ion Ratio Lower Upper
75 100
77 1.2 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: 60.752 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX008997.D

Acq: 16 Apr 2019 18:57

Instrument :

MSVOA_X

ClientSampleId :

RW-7

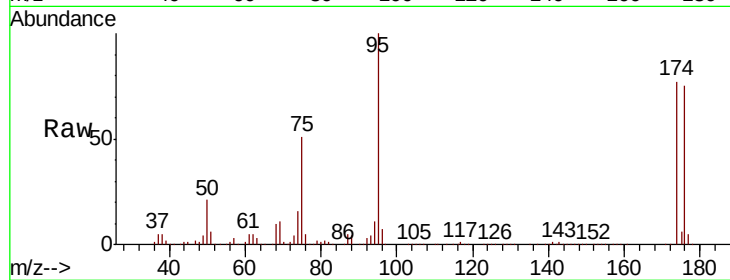
Tot Ion: 75 Resp: 89031

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

