

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX052218\
 Data File : VX001921.D
 Acq On : 23 May 2018 04:06
 Operator : JC/MD
 Sample : PB109456ZHE#01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: May 23 04:56:59 2018
 Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X051518W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 15 01:36:22 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	256136	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	346640	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	296098	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	173115	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	161533	47.05	ug/l	0.00
Spiked Amount			Recovery	=	94.10%	
35) Dibromofluoromethane	5.51	113	134148	45.86	ug/l	0.00
Spiked Amount			Recovery	=	91.72%	
50) Toluene-d8	8.72	98	487324	46.51	ug/l	0.00
Spiked Amount			Recovery	=	93.02%	
62) 4-Bromofluorobenzene	11.14	95	153031	40.57	ug/l	0.00
Spiked Amount			Recovery	=	81.14%	

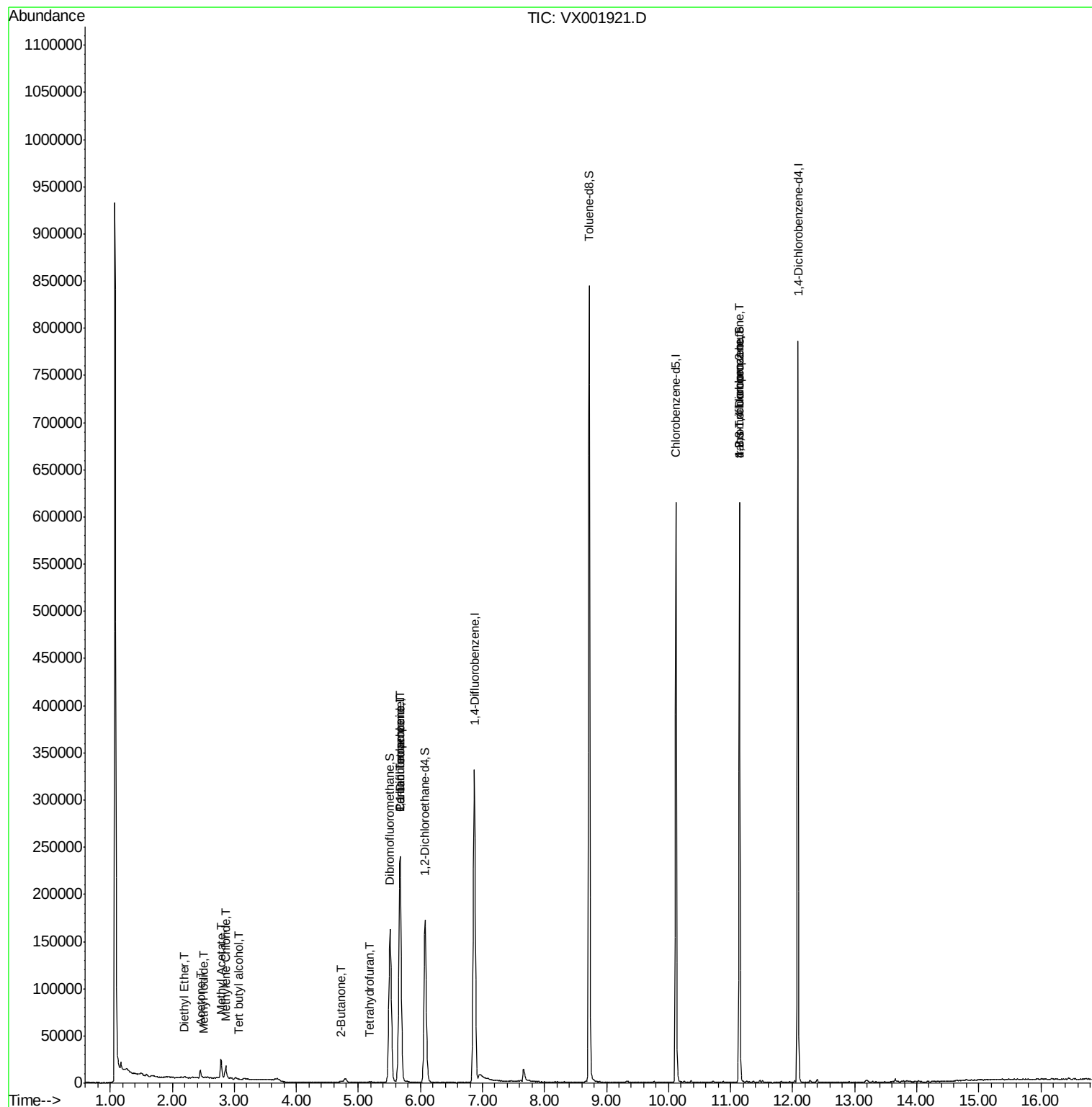
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.66	94	618	Below Cal	#	74
8) Diethyl Ether	2.20	74	460	0.26	ug/l	90
10) Methyl Iodide	2.51	142	736	0.30	ug/l	# 88
11) Tert butyl alcohol	3.08	59	160	0.26	ug/l	# 23
16) Acetone	2.45	43	9205	6.83	ug/l	99
18) Methyl Acetate	2.78	43	23061	5.85	ug/l	99
20) Methylene Chloride	2.86	84	5955	2.06	ug/l	90
25) 2-Butanone	4.71	43	2503	1.21	ug/l	95
29) Tetrahydrofuran	5.17	42	947	0.70	ug/l	# 57
36) 1,1-Dichloropropene	5.67	75	15363	3.85	ug/l	# 49
38) Carbon Tetrachloride	5.67	117	20875	4.99	ug/l	# 16
76) 1,2,3-Trichloropropane	11.14	75	73254	22.25	ug/l	# 39
81) trans-1,4-Dichloro-2-buten	11.14	75	73254	65.24	ug/l	# 10

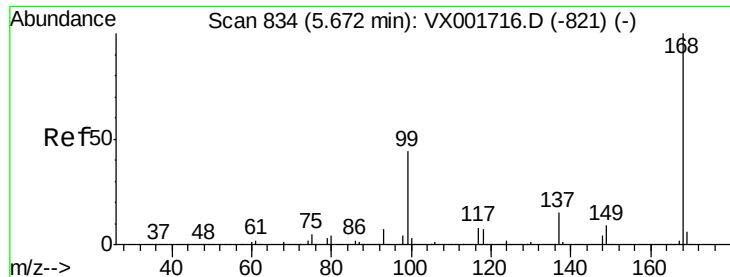
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX052218\
Data File : VX001921.D
Acq On : 23 May 2018 04:06
Operator : JC/MD
Sample : PB109456ZHE#01
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 33 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

Quant Time: May 23 04:56:59 2018
Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X051518W.M
Quant Title : SW846 8260
QLast Update : Tue May 15 01:36:22 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.00 min

Lab File: VX001921.D

Acq: 23 May 2018 04:06

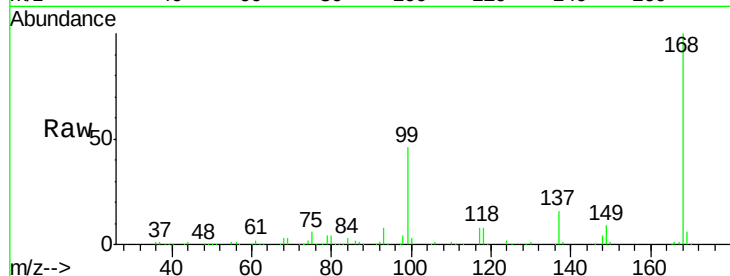
Instrument :
MSVOA_X
ClientSampled :

Tot Ion:168 Resp: 256136

Ion Ratio Lower Upper

168 100

99 45.9 35.0 52.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

100000

80000

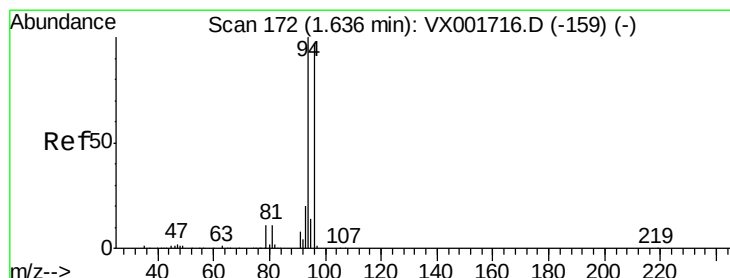
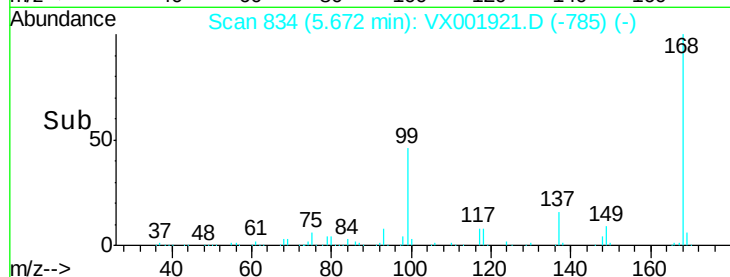
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: Below Cal

RT: 1.66 min Scan# 176

Delta R.T. 0.03 min

Lab File: VX001921.D

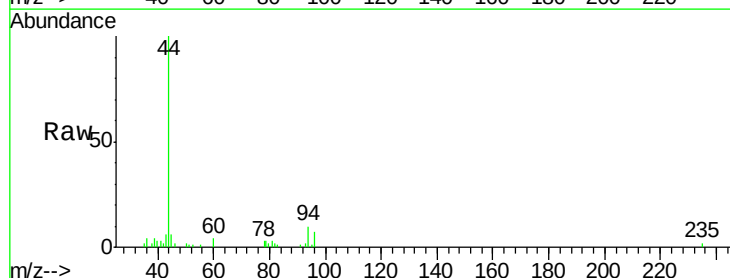
Acq: 23 May 2018 04:06

Tgt Ion: 94 Resp: 618

Ion Ratio Lower Upper

94 100

96 71.1 77.4 116.0#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.66

500

400

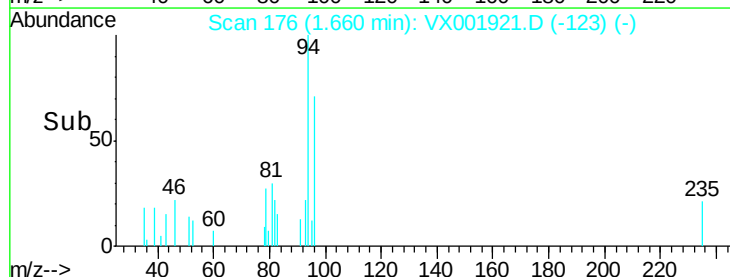
300

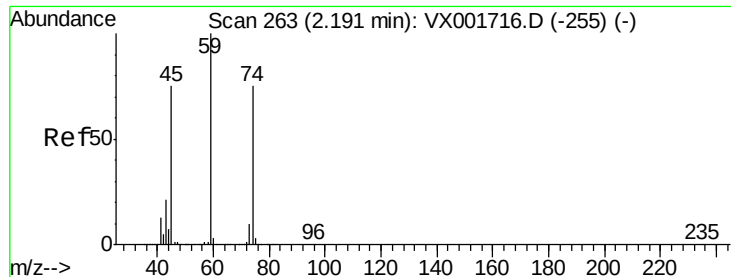
200

100

0

Time--> 1.65 1.70





#8

Diethyl Ether

Concen: 0.26 ug/l

RT: 2.20 min Scan# 264

Delta R.T. 0.01 min

Lab File: VX001921.D

Acq: 23 May 2018 04:06

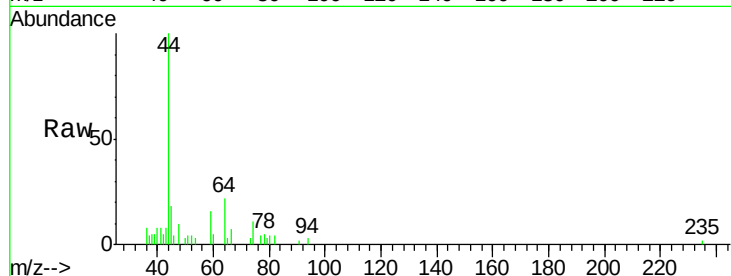
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 74 Resp: 460

Ion Ratio Lower Upper

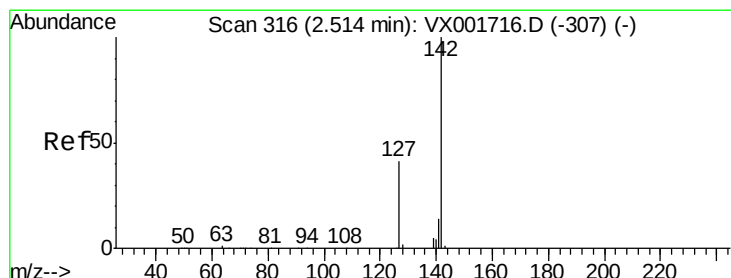
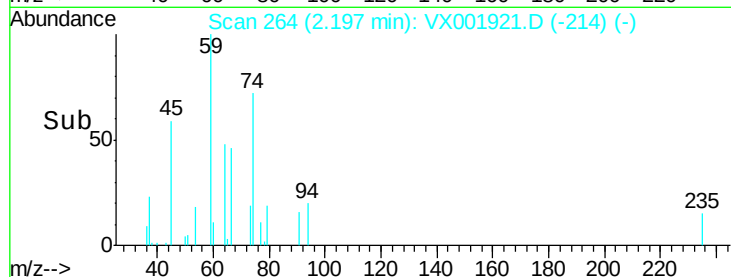
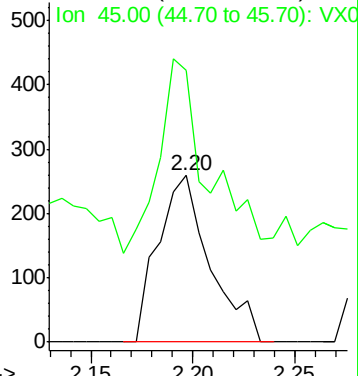
74 100

45 110.0 50.0 149.8



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0



#10

Methyl Iodide

Concen: 0.30 ug/l

RT: 2.51 min Scan# 316

Delta R.T. -0.00 min

Lab File: VX001921.D

Acq: 23 May 2018 04:06

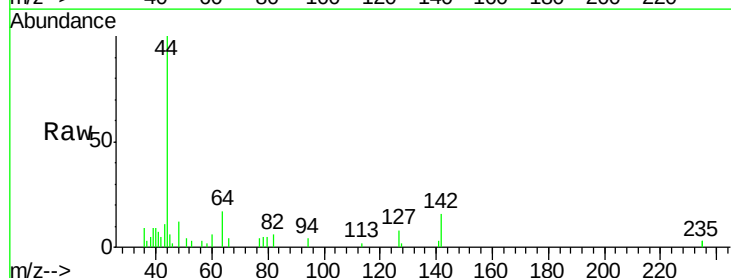
Tgt Ion: 142 Resp: 736

Ion Ratio Lower Upper

142 100

127 47.0 32.5 48.7

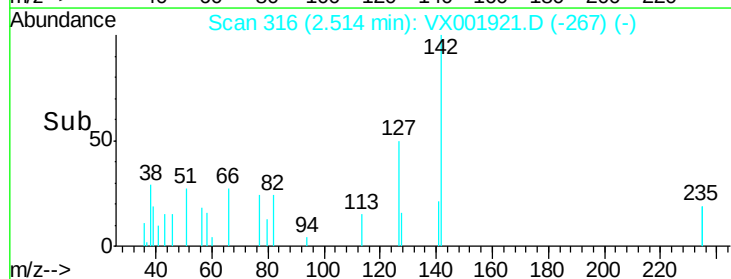
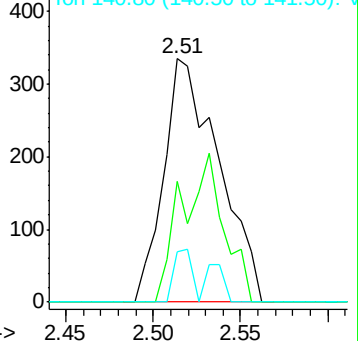
141 7.1 11.4 17.0#

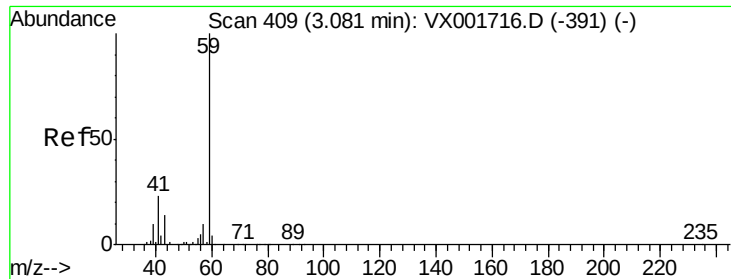


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 0.26 ug/l

RT: 3.08 min Scan# 409

Delta R.T. -0.00 min

Lab File: VX001921.D

Acq: 23 May 2018 04:06

Instrument :

MSVOA_X

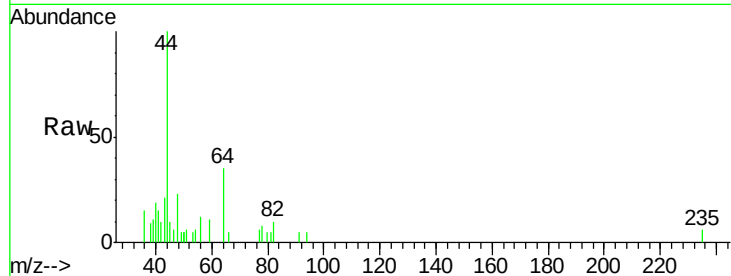
ClientSampled :

Tot Ion: 59 Resp: 160

Ion Ratio Lower Upper

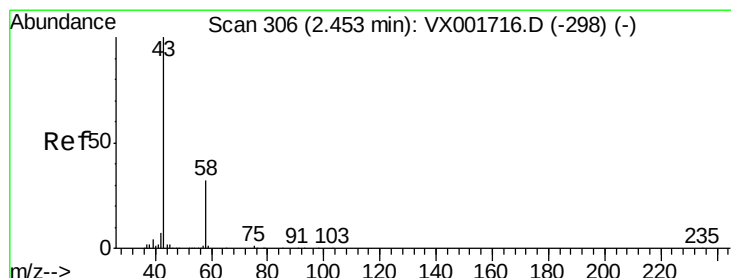
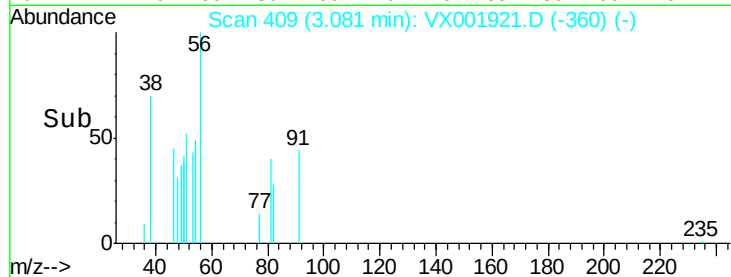
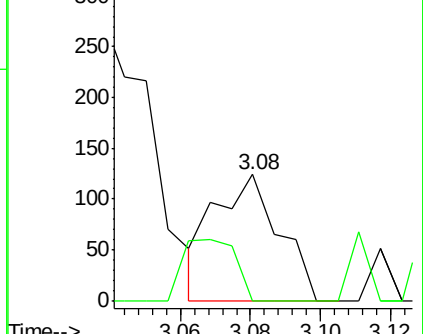
59 100

57 39.4 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0



#16

Acetone

Concen: 6.83 ug/l

RT: 2.45 min Scan# 306

Delta R.T. -0.00 min

Lab File: VX001921.D

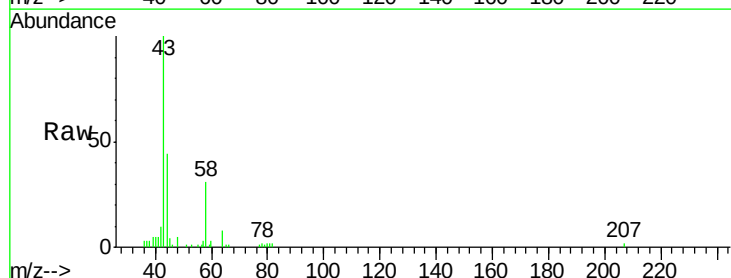
Acq: 23 May 2018 04:06

Tgt Ion: 43 Resp: 9205

Ion Ratio Lower Upper

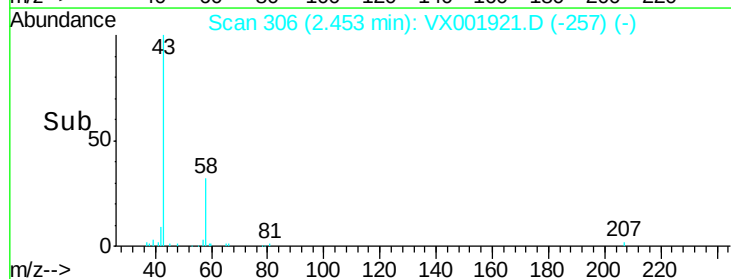
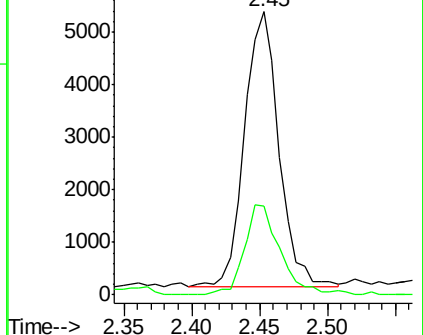
43 100

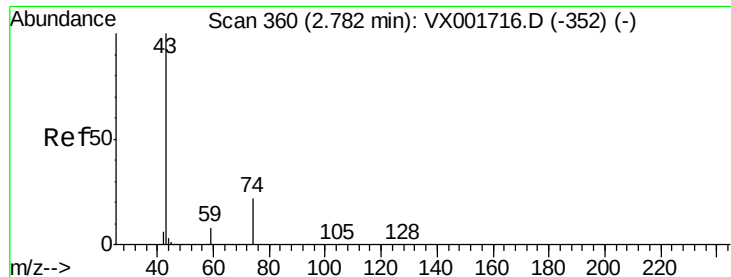
58 32.3 25.3 37.9



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

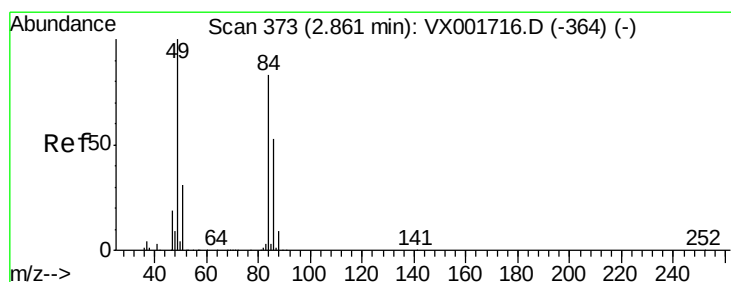
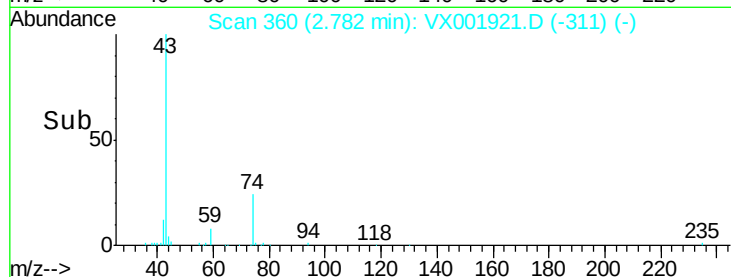
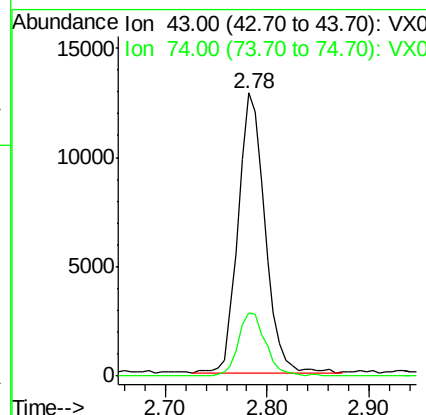
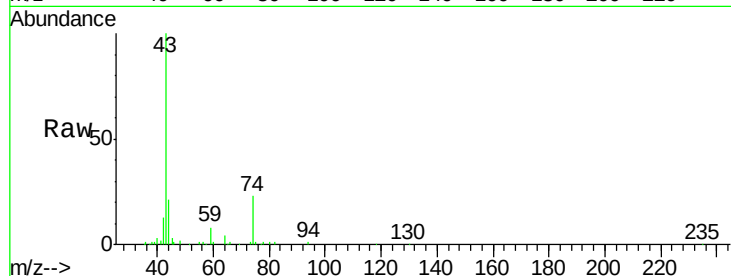




#18
Methvl Acetate
Concen: 5.85 ug/l
RT: 2.78 min Scan# 360
Delta R.T. -0.00 min
Lab File: VX001921.D
Acq: 23 May 2018 04:06

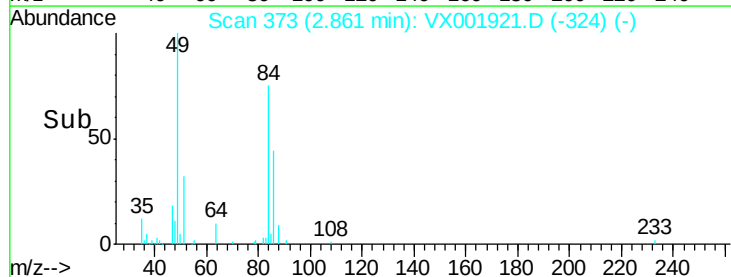
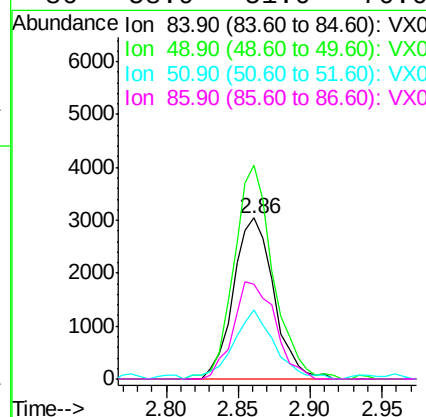
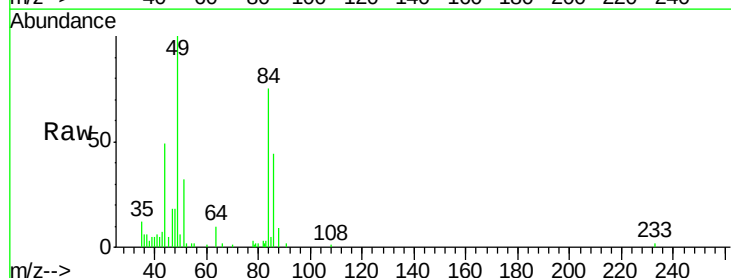
Instrument :
MSVOA_X
ClientSampleId :

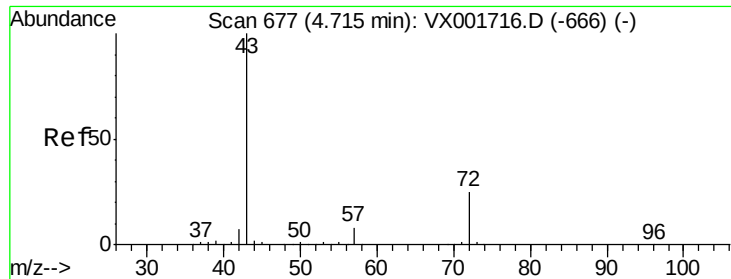
Tot Ion: 43 Resp: 23061
Ion Ratio Lower Upper
43 100
74 23.3 18.2 27.2



#20
Methylene Chloride
Concen: 2.06 ug/l
RT: 2.86 min Scan# 373
Delta R.T. -0.00 min
Lab File: VX001921.D
Acq: 23 May 2018 04:06

Tgt Ion: 84 Resp: 5955
Ion Ratio Lower Upper
84 100
49 132.9 96.3 144.5
51 43.0 29.8 44.6
86 58.9 51.0 76.6





#25

2-Butanone

Concen: 1.21 ug/l

RT: 4.71 min Scan# 677

Delta R.T. -0.00 min

Lab File: VX001921.D

Acq: 23 May 2018 04:06

Instrument :

MSVOA_X

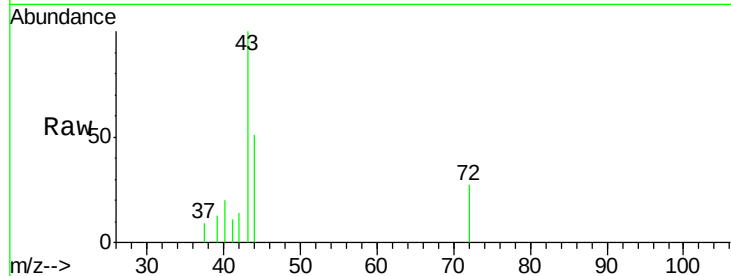
ClientSampled :

Tot Ion: 43 Resp: 2503

Ion Ratio Lower Upper

43 100

72 27.4 19.8 29.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

4.71

800

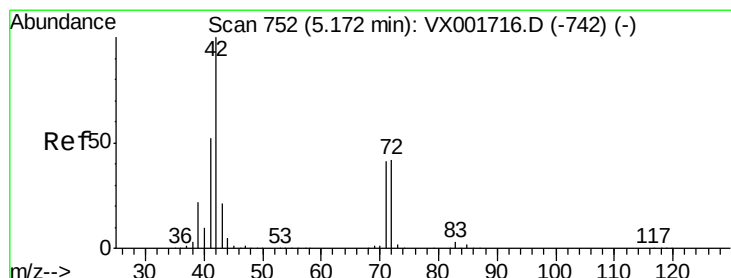
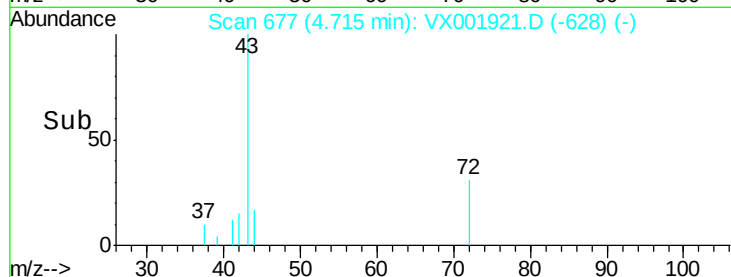
600

400

200

0

Time-->



#29

Tetrahydrofuran

Concen: 0.70 ug/l

RT: 5.17 min Scan# 752

Delta R.T. -0.00 min

Lab File: VX001921.D

Acq: 23 May 2018 04:06

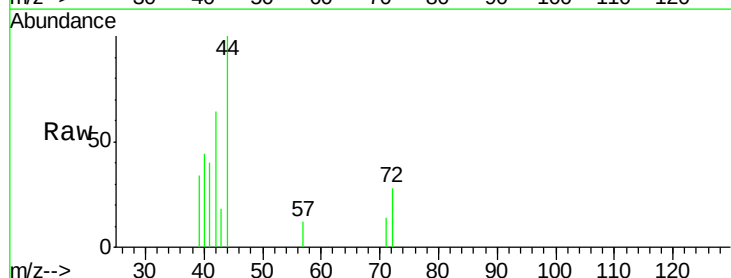
Tgt Ion: 42 Resp: 947

Ion Ratio Lower Upper

42 100

72 21.2 35.4 53.2#

71 9.2 33.2 49.8#



Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0

5.17

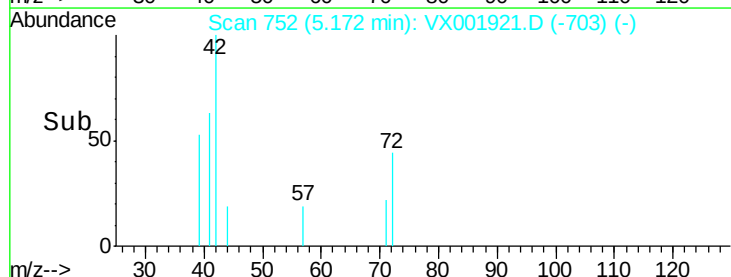
300

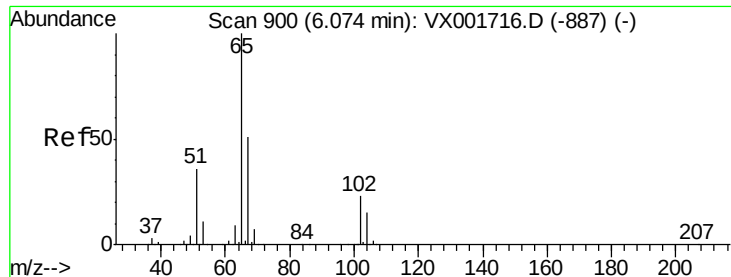
200

100

0

Time-->

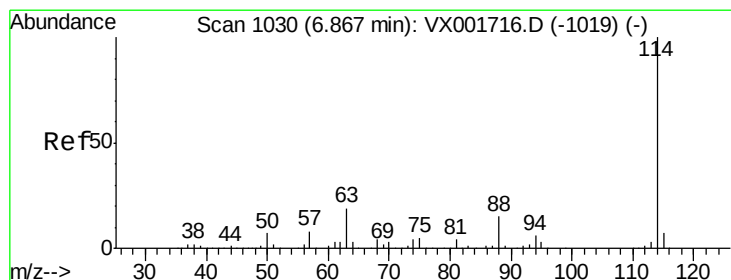
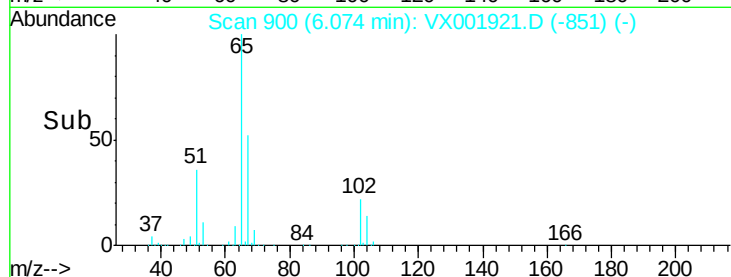
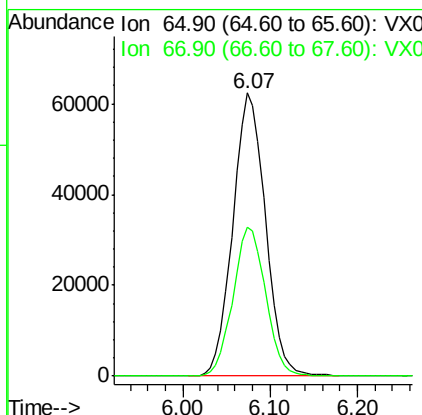
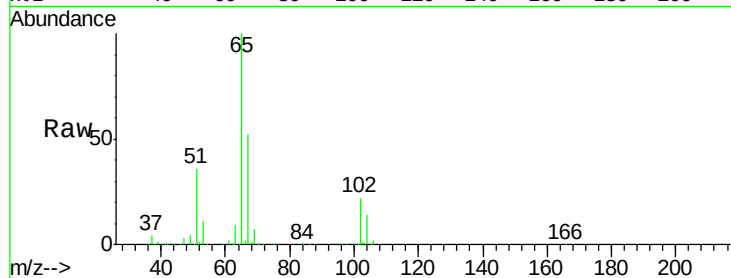




#33
 1,2-Dichloroethane-d4
 Concen: 47.05 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. -0.00 min
 Lab File: VX001921.D
 Acq: 23 May 2018 04:06

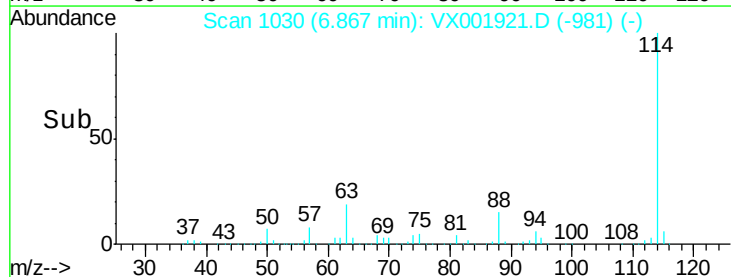
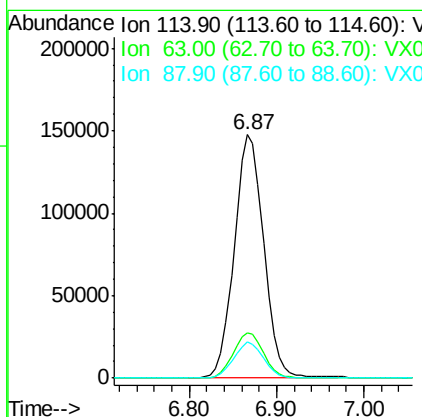
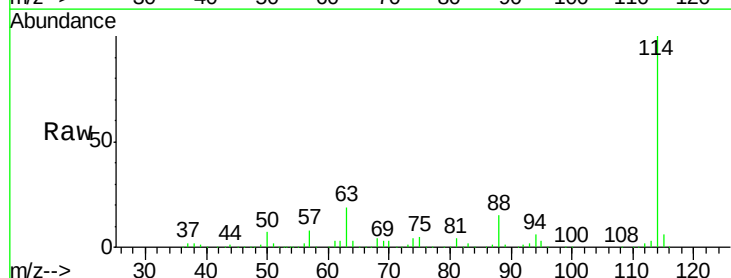
Instrument :
 MSVOA_X
 ClientSampleId :

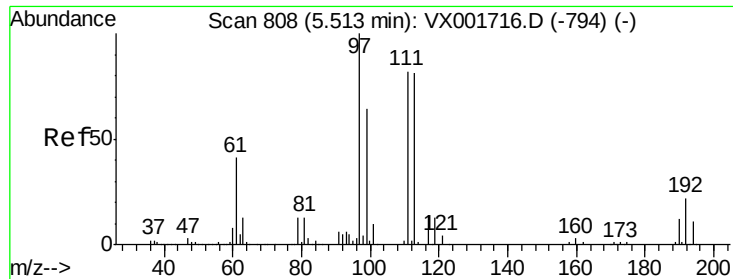
Tot Ion: 65 Resp: 161533
 Ion Ratio Lower Upper
 65 100
 67 52.6 0.0 102.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. -0.00 min
 Lab File: VX001921.D
 Acq: 23 May 2018 04:06

Tgt Ion: 114 Resp: 346640
 Ion Ratio Lower Upper
 114 100
 63 18.6 0.0 37.0
 88 14.9 0.0 29.8

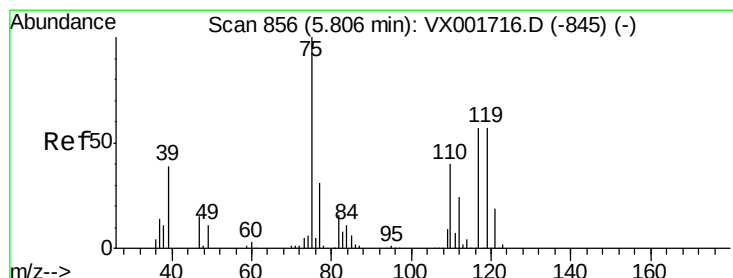
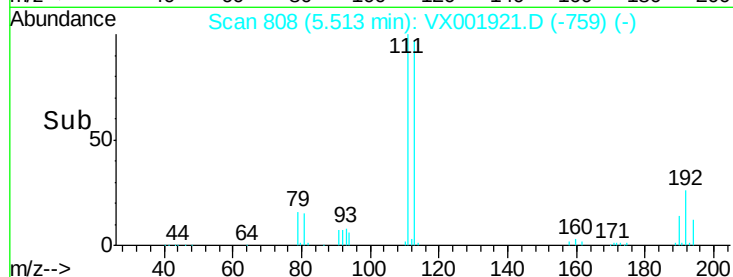
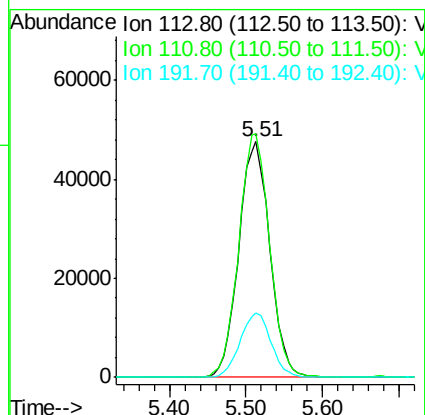
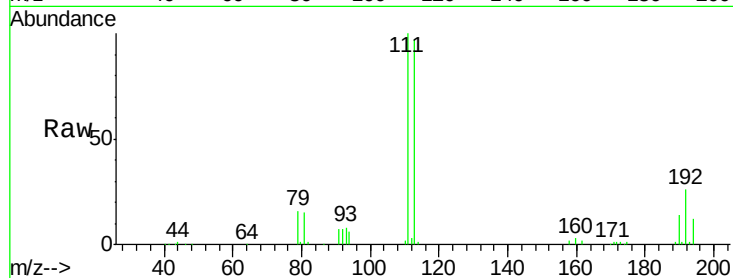




#35
 Dibromofluoromethane
 Concen: 45.86 ug/l
 RT: 5.51 min Scan# 808
 Delta R.T. -0.00 min
 Lab File: VX001921.D
 Acq: 23 May 2018 04:06

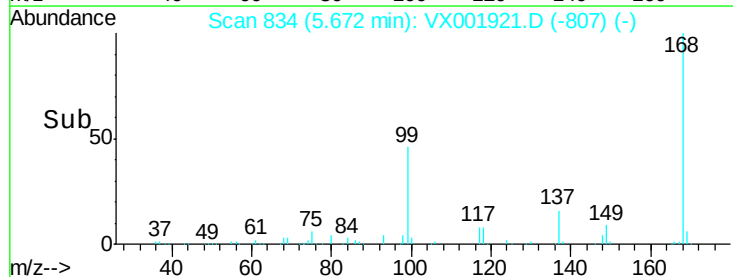
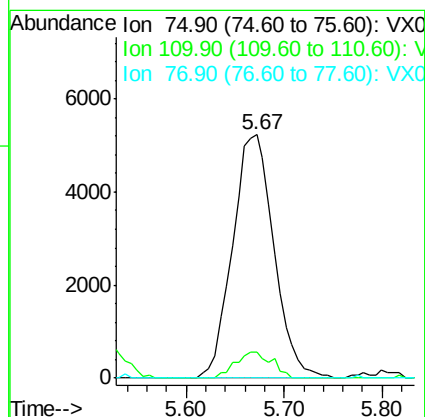
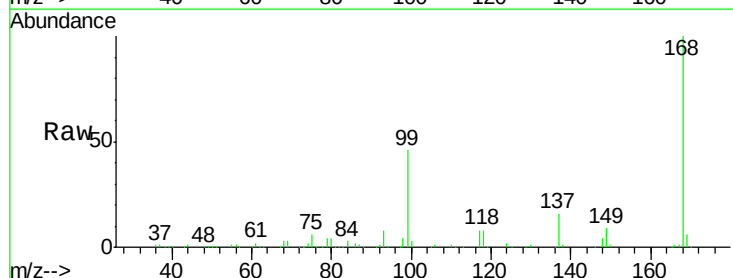
Instrument :
 MSVOA_X
 ClientSampleId :

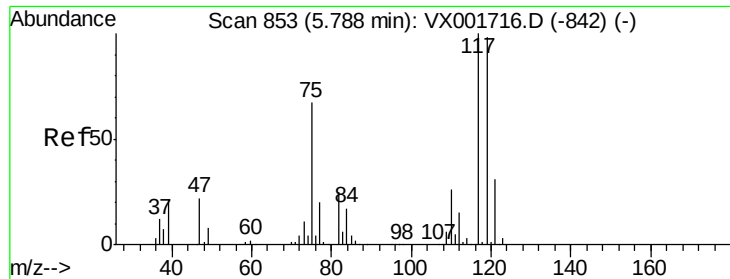
Tot Ion:113 Resp: 134148
 Ion Ratio Lower Upper
 113 100
 111 102.7 82.0 123.0
 192 27.3 21.6 32.4



#36
 1,1-Dichloropropene
 Concen: 3.85 ug/l
 RT: 5.67 min Scan# 834
 Delta R.T. -0.13 min
 Lab File: VX001921.D
 Acq: 23 May 2018 04:06

Tgt Ion: 75 Resp: 15363
 Ion Ratio Lower Upper
 75 100
 110 9.4 19.1 57.1#
 77 0.0 24.6 37.0#





#38

Carbon Tetrachloride

Concen: 4.99 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.12 min

Lab File: VX001921.D

Acq: 23 May 2018 04:06

Instrument :

MSVOA_X

ClientSampleId :

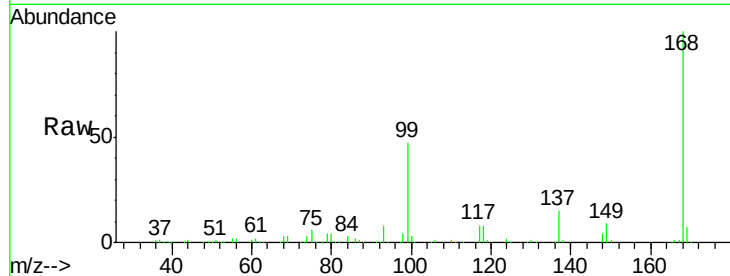
Tot Ion:117 Resp: 20875

Ion Ratio Lower Upper

117 100

119 6.1 77.6 116.4#

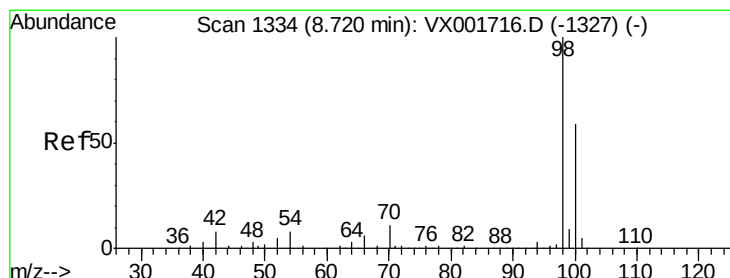
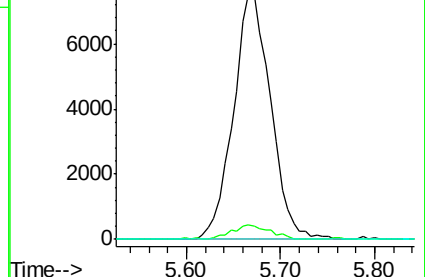
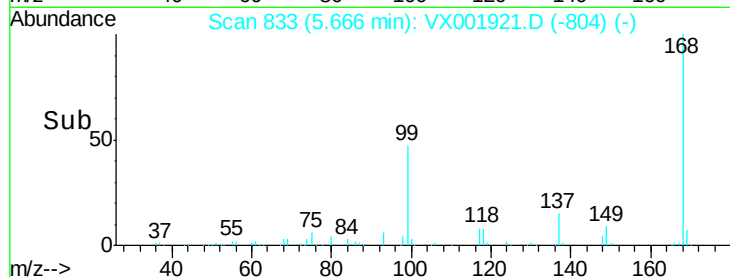
121 0.0 24.6 36.8#



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: 46.51 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. -0.00 min

Lab File: VX001921.D

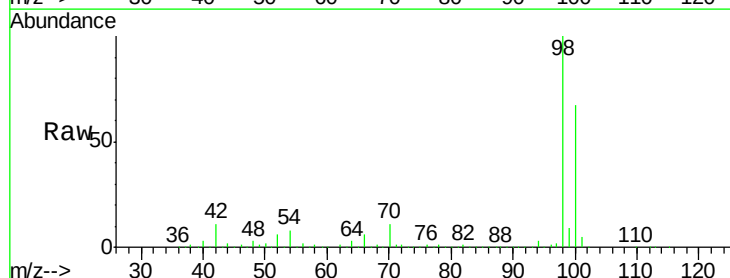
Acq: 23 May 2018 04:06

Tgt Ion: 98 Resp: 487324

Ion Ratio Lower Upper

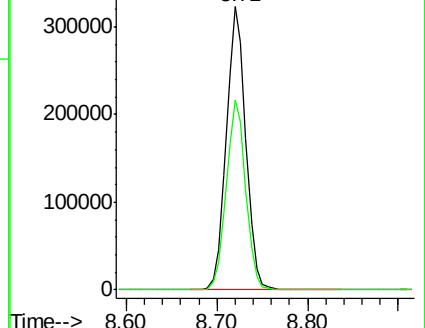
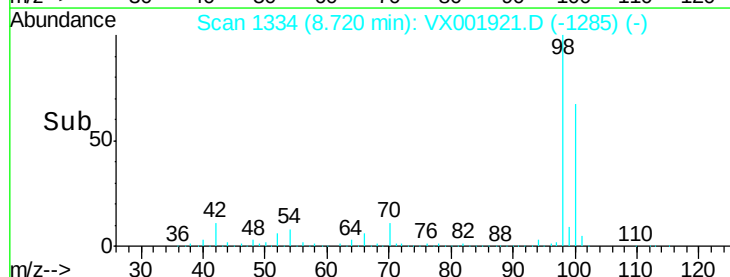
98 100

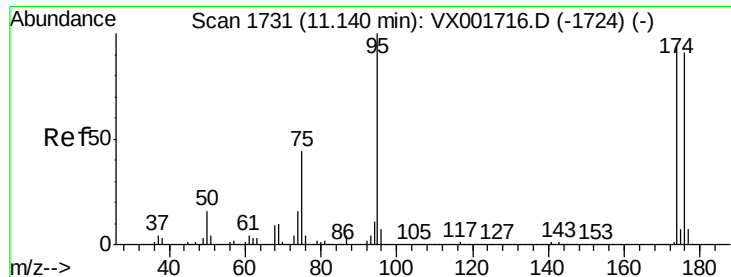
100 67.1 54.0 81.0



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 40.57 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.00 min

Lab File: VX001921.D

Acq: 23 May 2018 04:06

Instrument :

MSVOA_X

ClientSampleId :

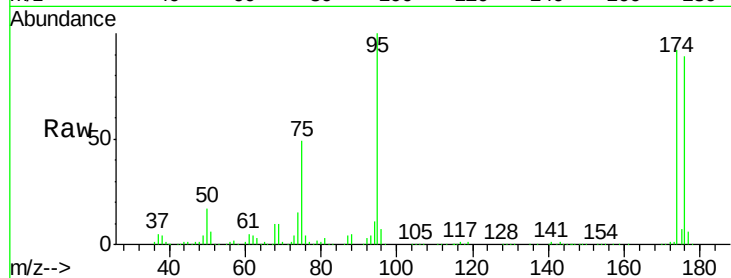
Tot Ion: 95 Resp: 153031

Ion Ratio Lower Upper

95 100

174 103.0 0.0 201.8

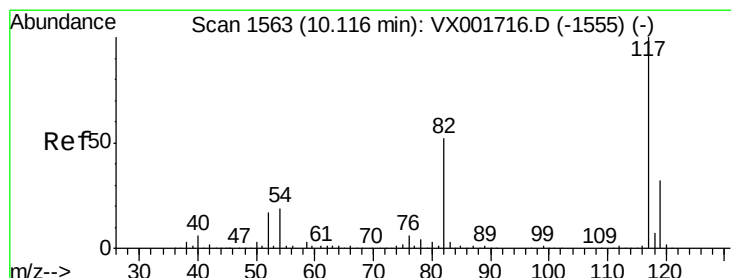
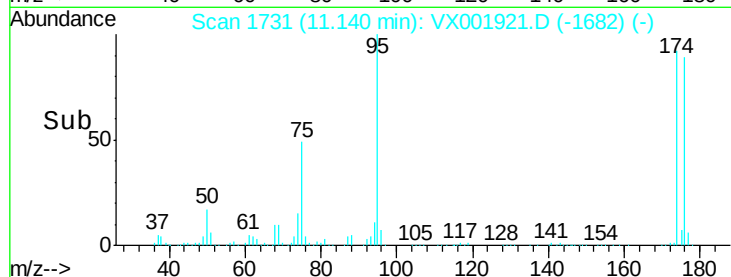
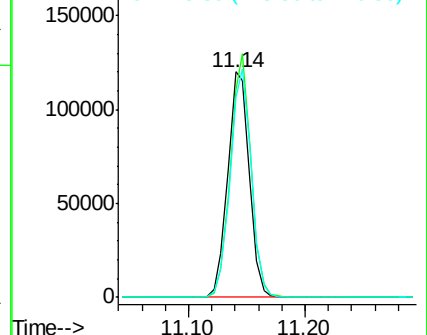
176 99.1 0.0 196.8



Abundance Ion 94.90 (94.60 to 95.60): VX001921.D (-1682) (-)

Ion 173.80 (173.50 to 174.50): VX001921.D (-1682) (-)

Ion 175.80 (175.50 to 176.50): VX001921.D (-1682) (-)



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.12 min Scan# 1564

Delta R.T. 0.01 min

Lab File: VX001921.D

Acq: 23 May 2018 04:06

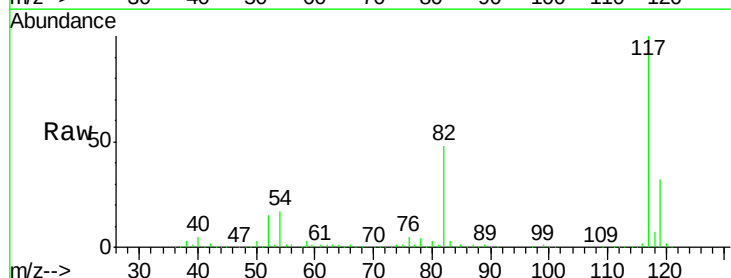
Tgt Ion: 117 Resp: 296098

Ion Ratio Lower Upper

117 100

82 48.4 41.4 62.2

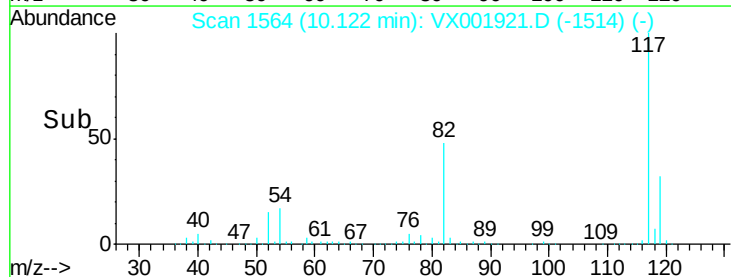
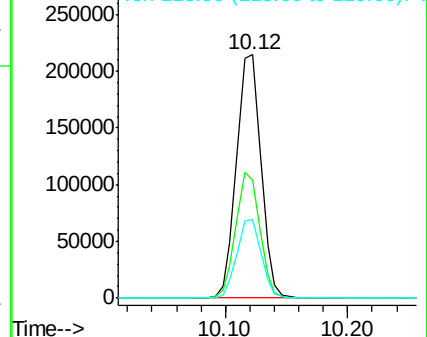
119 32.1 25.6 38.4

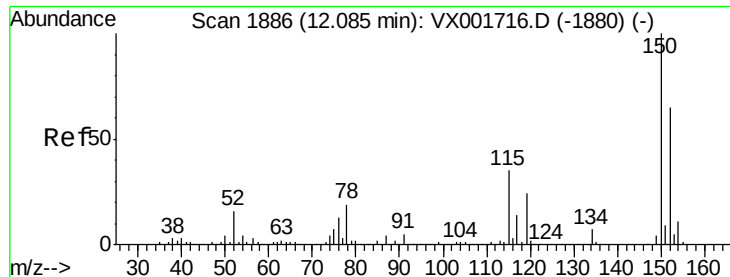


Abundance Ion 116.90 (116.60 to 117.60): VX001921.D (-1514) (-)

Ion 82.00 (81.70 to 82.70): VX001921.D (-1514) (-)

Ion 118.90 (118.60 to 119.60): VX001921.D (-1514) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX001921.D

Acq: 23 May 2018 04:06

Instrument :

MSVOA_X

ClientSampleId :

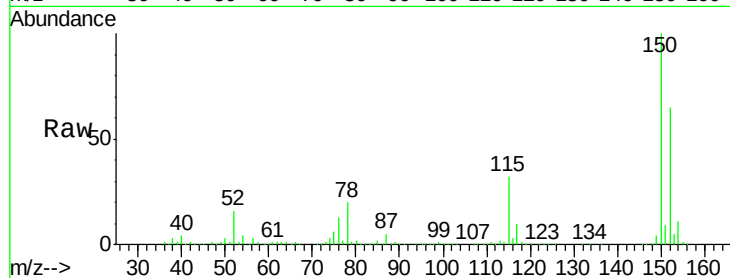
Tot Ion:152 Resp: 173115

Ion Ratio Lower Upper

152 100

115 51.6 37.4 112.2

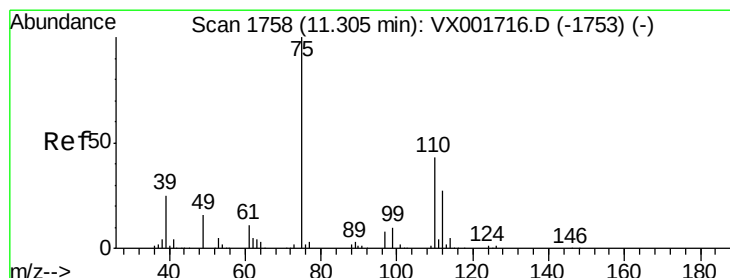
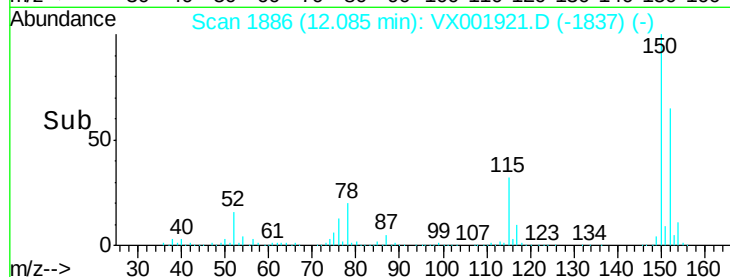
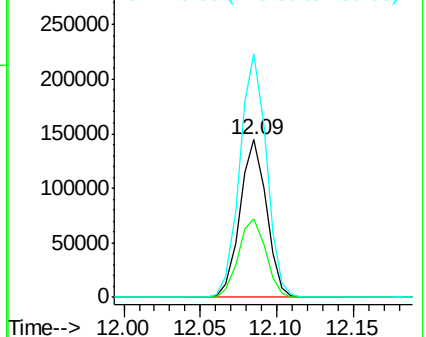
150 155.7 0.0 344.8



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: 22.25 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX001921.D

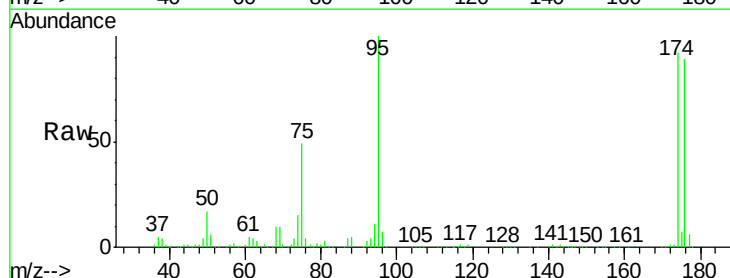
Acq: 23 May 2018 04:06

Tgt Ion: 75 Resp: 73254

Ion Ratio Lower Upper

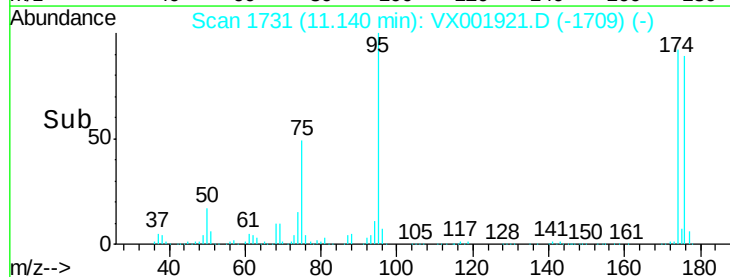
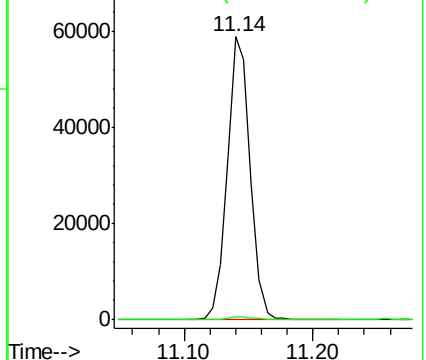
75 100

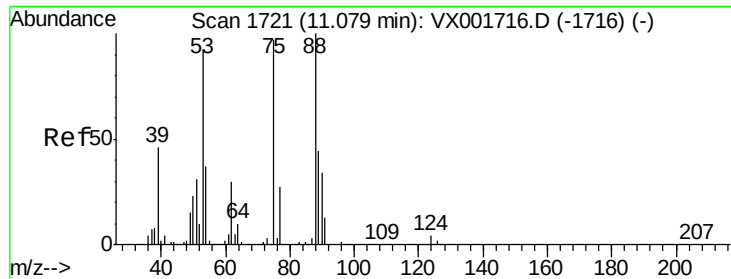
77 1.4 18.9 56.7#



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: 65.24 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX001921.D

Acq: 23 May 2018 04:06

Instrument :

MSVOA_X

ClientSampleId :

Tot Ion: 75 Resp: 73254

Ion Ratio Lower Upper

75 100

53 0.3 79.4 119.2#

89 0.0 38.8 58.2#

