

Data Path : W:\HPCHEM1\MSVOA X\DATA\VX052218\
 Data File : VX001911.D
 Acq On : 22 May 2018 23:12
 Operator : JC/MD
 Sample : PB109525ZHE#18
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: May 23 01:24:53 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	243956	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	334507	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	286060	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	153336	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.08	65	159910	48.90	ug/l	0.00
Spiked Amount			Recovery	=	97.80%	
35) Dibromofluoromethane	5.51	113	131915	46.73	ug/l	0.00
Spiked Amount			Recovery	=	93.46%	
50) Toluene-d8	8.72	98	467745	46.26	ug/l	0.00
Spiked Amount			Recovery	=	92.52%	
62) 4-Bromofluorobenzene	11.14	95	143201	39.34	ug/l	0.00
Spiked Amount			Recovery	=	78.68%	

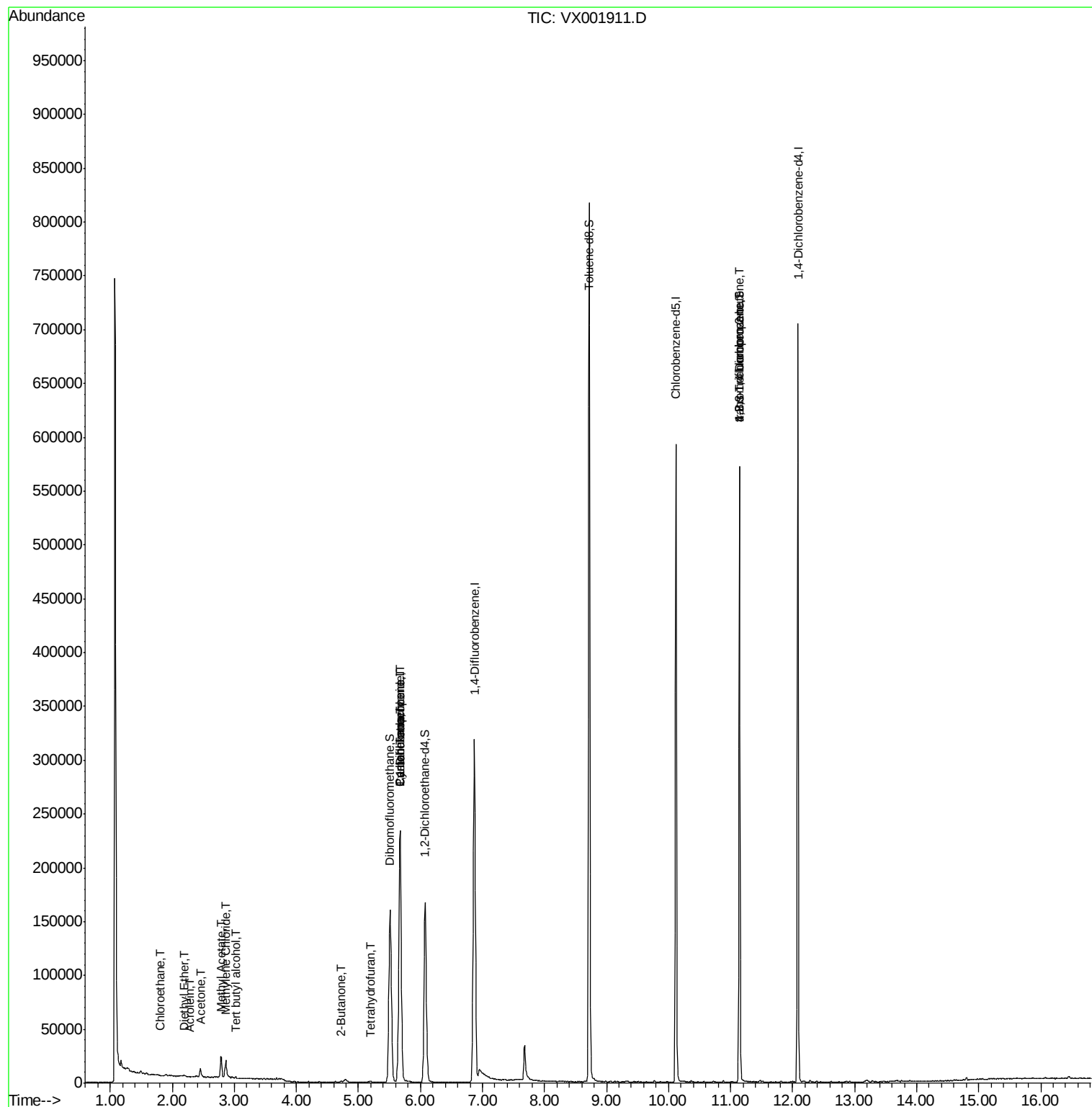
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.67	94	496	Below Cal		89
6) Chloroethane	1.81	64	4451	2.47 ug/l	#	64
8) Diethyl Ether	2.19	74	471	0.28 ug/l		57
11) Tert butyl alcohol	3.03	59	769	1.32 ug/l	#	72
13) Acrolein	2.28	56	104	0.25 ug/l	#	67
16) Acetone	2.45	43	9031	7.03 ug/l		96
18) Methyl Acetate	2.79	43	23112	6.16 ug/l		99
20) Methylene Chloride	2.86	84	7242	2.63 ug/l	#	83
25) 2-Butanone	4.72	43	2431	1.24 ug/l		91
29) Tetrahydrofuran	5.19	42	965	0.75 ug/l	#	46
31) Cyclohexane	5.67	56	4340	1.06 ug/l	#	1
36) 1,1-Dichloropropene	5.67	75	14960	3.88 ug/l	#	49
38) Carbon Tetrachloride	5.67	117	21331	5.29 ug/l	#	16
76) 1,2,3-Trichloropropane	11.14	75	68511	23.50 ug/l	#	39
81) trans-1,4-Dichloro-2-buten	11.14	75	68511	68.70 ug/l	#	10

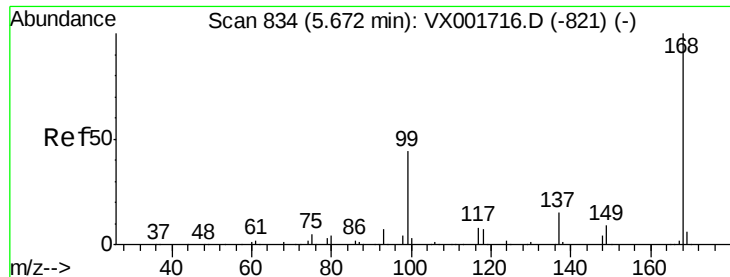
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.00 min

Lab File: VX001911.D

Acq: 22 May 2018 23:12

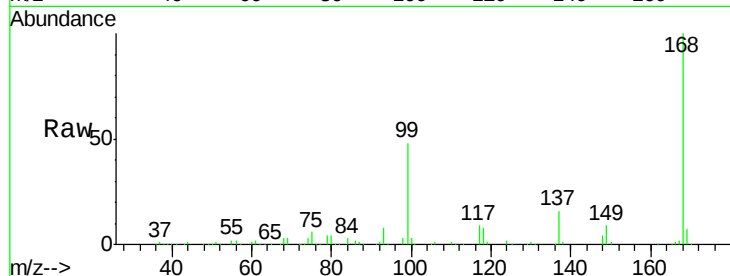
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:168 Resp: 243956

Ion Ratio Lower Upper

168 100

99 48.0 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

80000

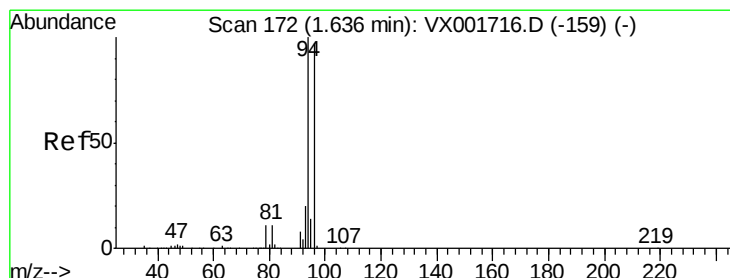
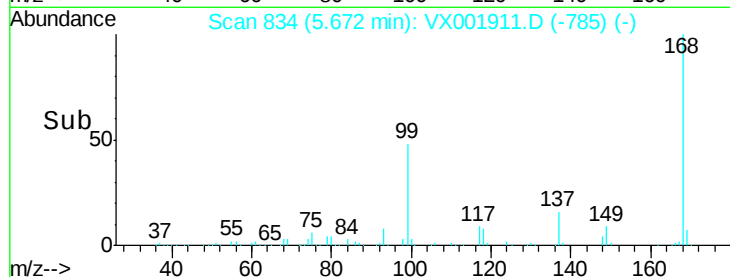
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: Below Cal

RT: 1.67 min Scan# 177

Delta R.T. 0.03 min

Lab File: VX001911.D

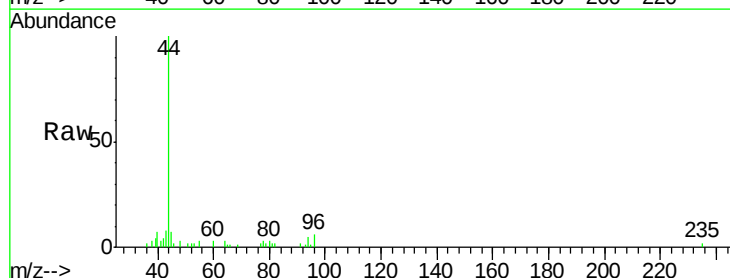
Acq: 22 May 2018 23:12

Tgt Ion: 94 Resp: 496

Ion Ratio Lower Upper

94 100

96 107.1 77.4 116.0



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.67

300

250

200

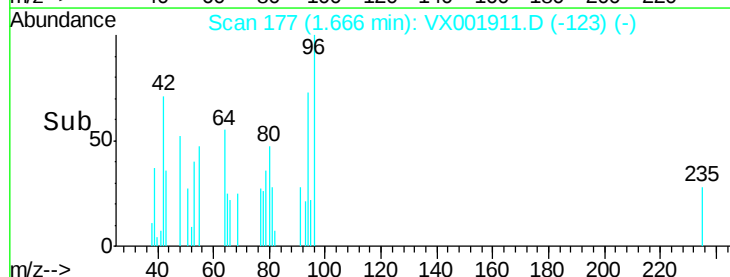
150

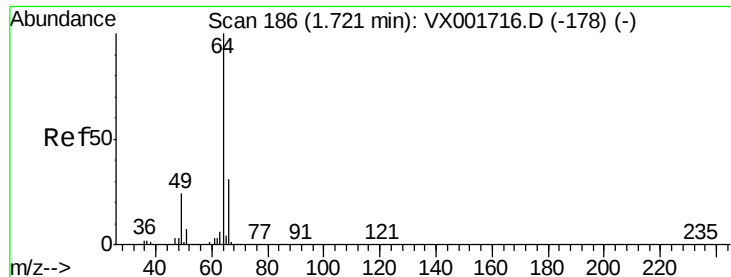
100

50

0

Time--> 1.60 1.65 1.70





#6

Chloroethane

Concen: 2.47 ug/l

RT: 1.81 min Scan# 200

Delta R.T. 0.09 min

Lab File: VX001911.D

Acq: 22 May 2018 23:12

Instrument :

MSVOA_X

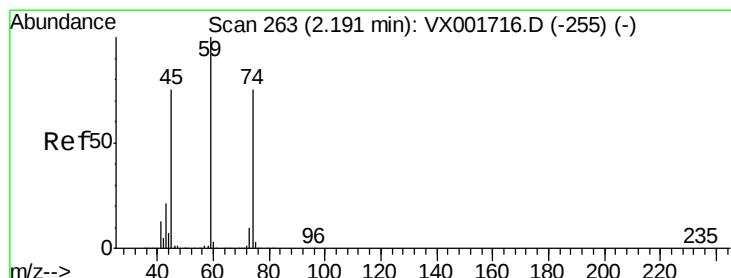
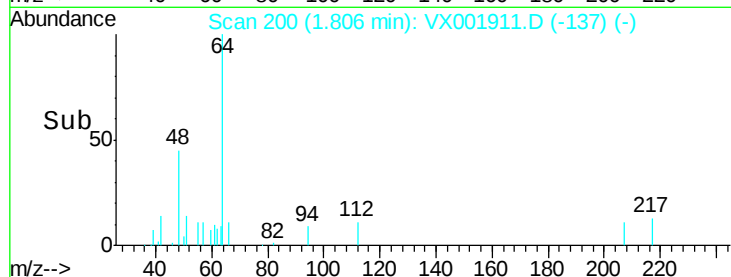
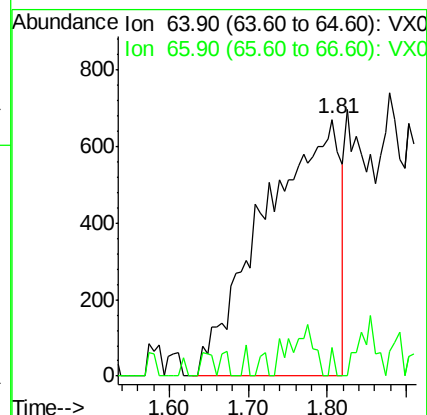
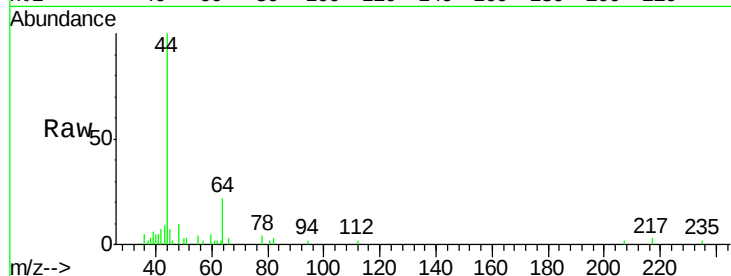
ClientSampled :

Tot Ion: 64 Resp: 4451

Ion Ratio Lower Upper

64 100

66 11.3 25.2 37.8#



#8

Diethyl Ether

Concen: 0.28 ug/l

RT: 2.19 min Scan# 263

Delta R.T. -0.00 min

Lab File: VX001911.D

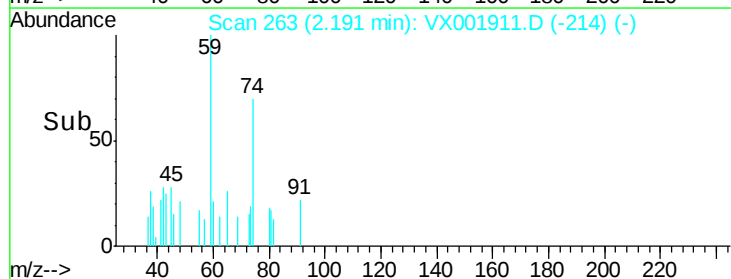
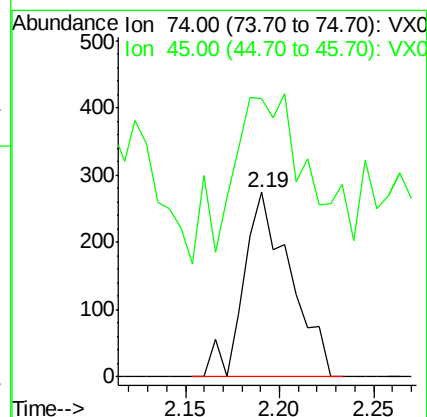
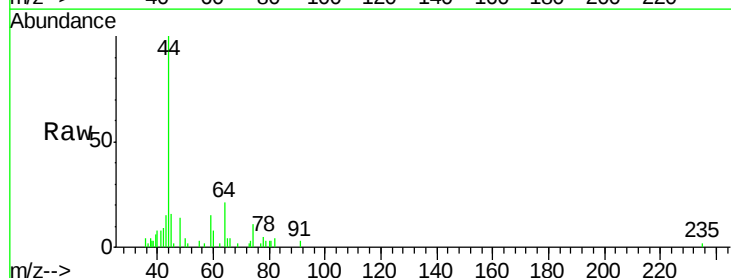
Acq: 22 May 2018 23:12

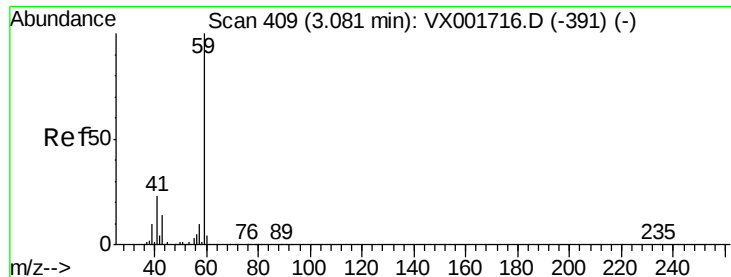
Tgt Ion: 74 Resp: 471

Ion Ratio Lower Upper

74 100

45 142.7 50.0 149.8



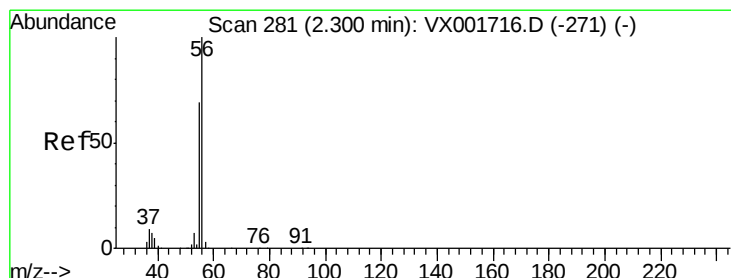
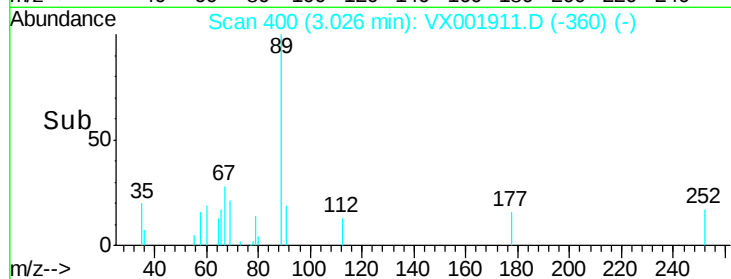
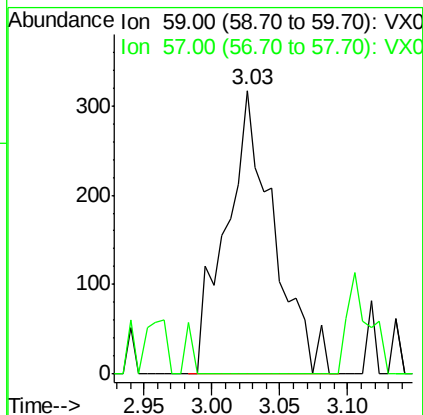
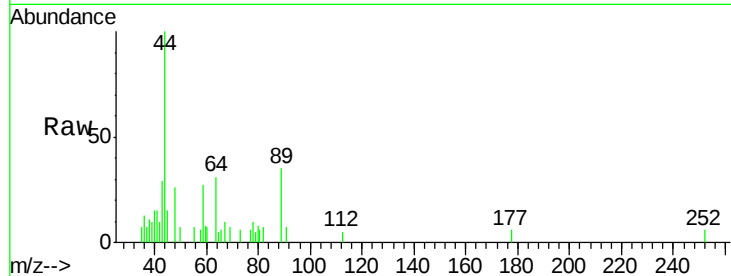


#11

Tert butvl alcohol
 Concen: 1.32 ug/l
 RT: 3.03 min Scan# 400
 Delta R.T. -0.05 min
 Lab File: VX001911.D
 Acq: 22 May 2018 23:12

Instrument :
 MSVOA_X
 ClientSampled :

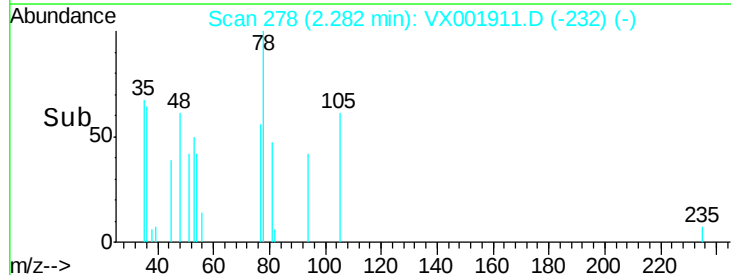
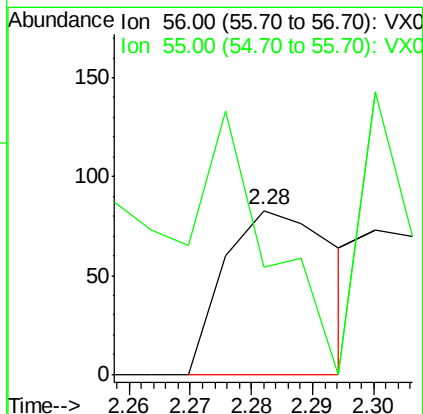
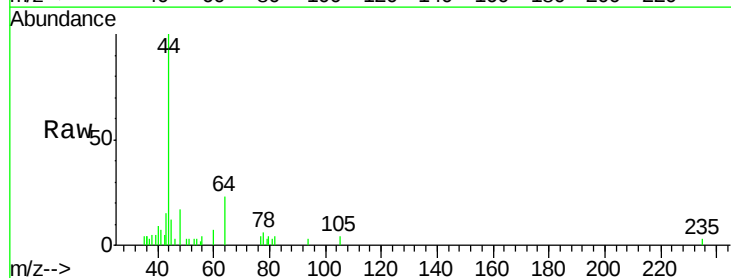
Tot Ion: 59 Resp: 769
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.5 12.7#

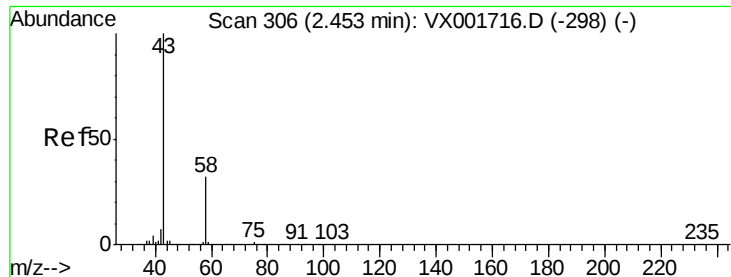


#13

Acrolein
 Concen: 0.25 ug/l
 RT: 2.28 min Scan# 278
 Delta R.T. -0.02 min
 Lab File: VX001911.D
 Acq: 22 May 2018 23:12

Tgt Ion: 56 Resp: 104
 Ion Ratio Lower Upper
 56 100
 55 97.1 56.2 84.2#





#16

Acetone

Concen: 7.03 ug/l

RT: 2.45 min Scan# 306

Delta R.T. -0.00 min

Lab File: VX001911.D

Acq: 22 May 2018 23:12

Instrument :

MSVOA_X

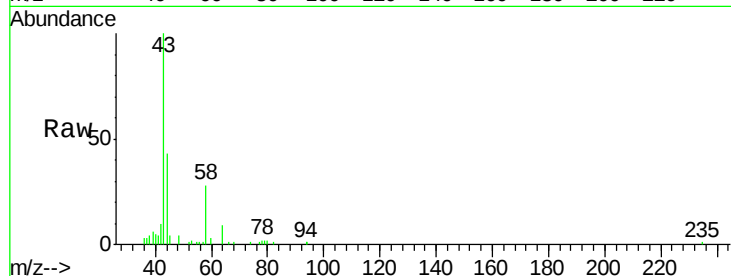
ClientSampleId :

Tot Ion: 43 Resp: 9031

Ion Ratio Lower Upper

43 100

58 29.4 25.3 37.9



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

6000

5000

4000

3000

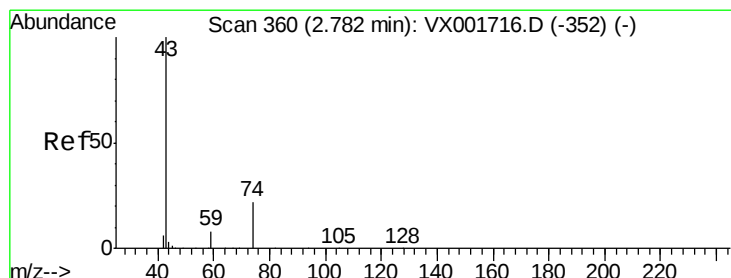
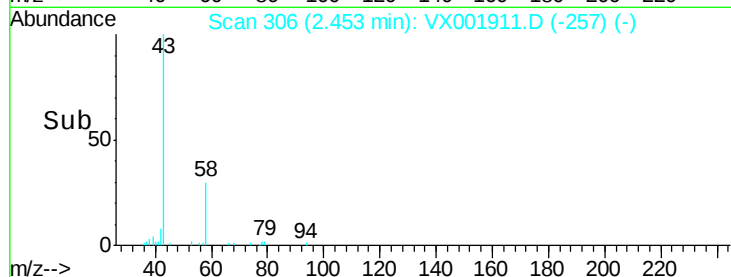
2000

1000

0

2.40 2.45 2.50

Time-->



#18

Methyl Acetate

Concen: 6.16 ug/l

RT: 2.79 min Scan# 361

Delta R.T. 0.01 min

Lab File: VX001911.D

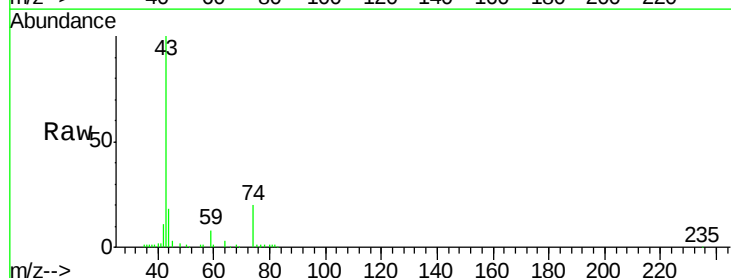
Acq: 22 May 2018 23:12

Tgt Ion: 43 Resp: 23112

Ion Ratio Lower Upper

43 100

74 23.3 18.2 27.2



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

15000

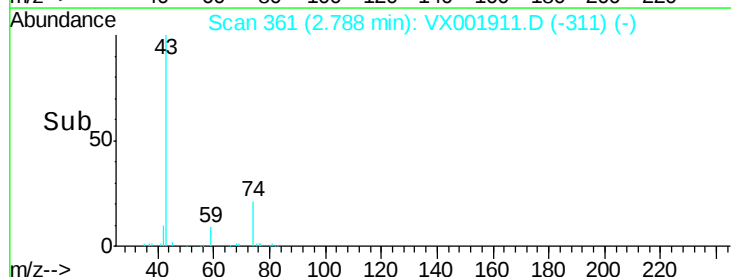
10000

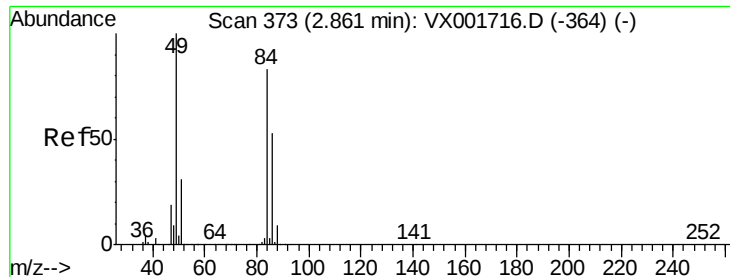
5000

0

2.70 2.75 2.80 2.85

Time-->

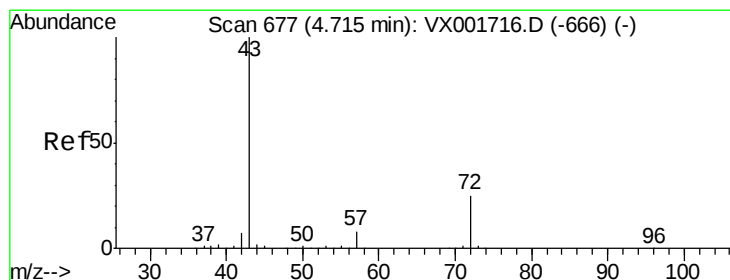
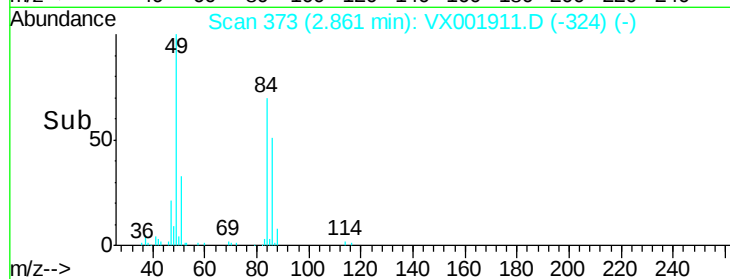
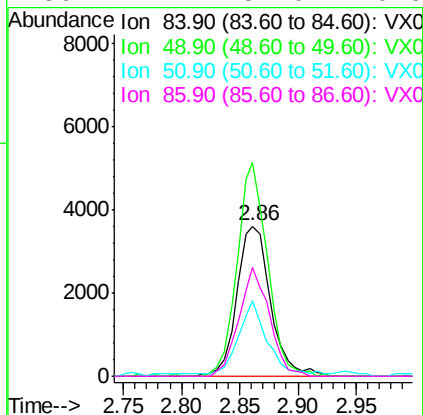
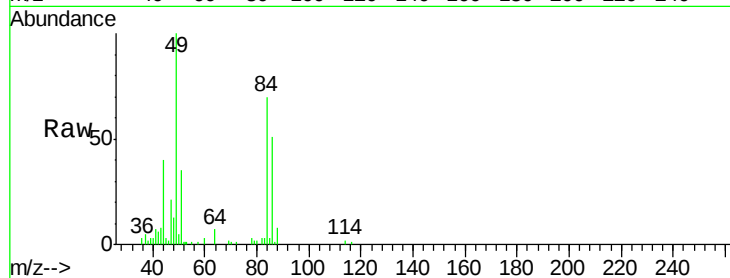




#20
Methylene Chloride
Concen: 2.63 ug/l
RT: 2.86 min Scan# 373
Delta R.T. -0.00 min
Lab File: VX001911.D
Acq: 22 May 2018 23:12

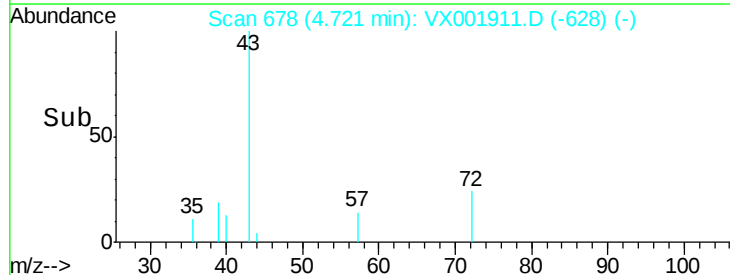
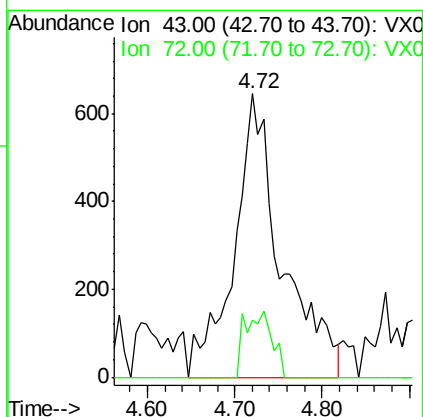
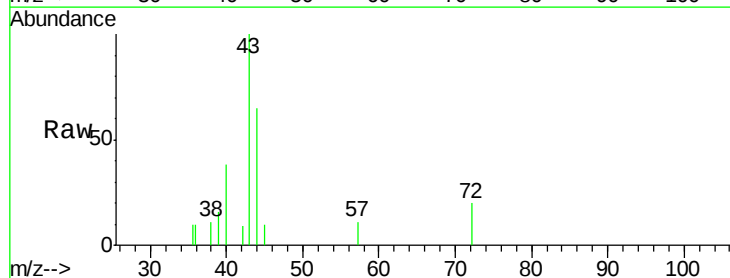
Instrument :
MSVOA_X
ClientSampleId :

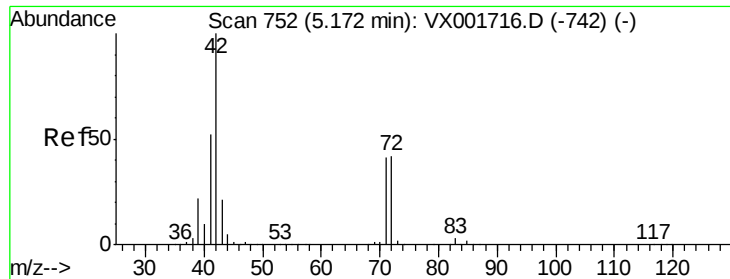
Tot Ion: 84 Resp: 7242
Ion Ratio Lower Upper
84 100
49 142.3 96.3 144.5
51 48.3 29.8 44.6#
86 72.2 51.0 76.6



#25
2-Butanone
Concen: 1.24 ug/l
RT: 4.72 min Scan# 678
Delta R.T. 0.01 min
Lab File: VX001911.D
Acq: 22 May 2018 23:12

Tgt Ion: 43 Resp: 2431
Ion Ratio Lower Upper
43 100
72 20.3 19.8 29.6

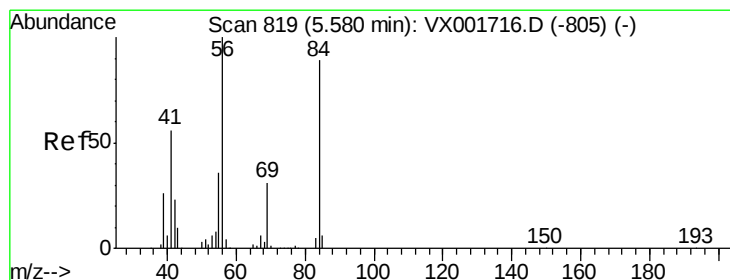
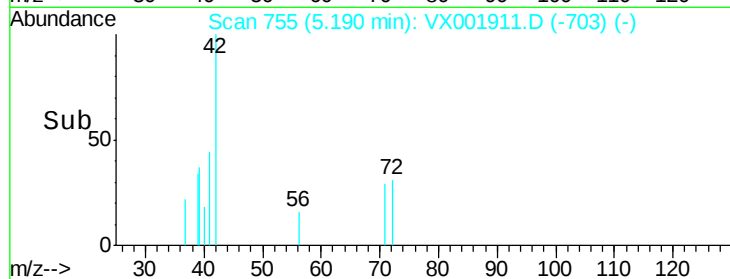
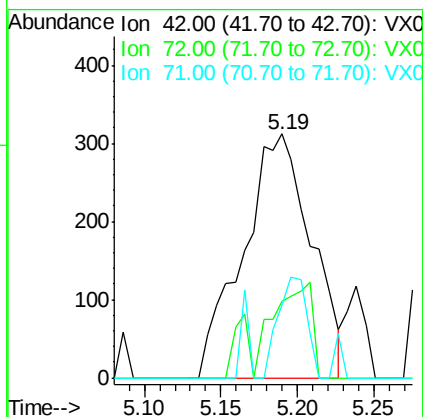
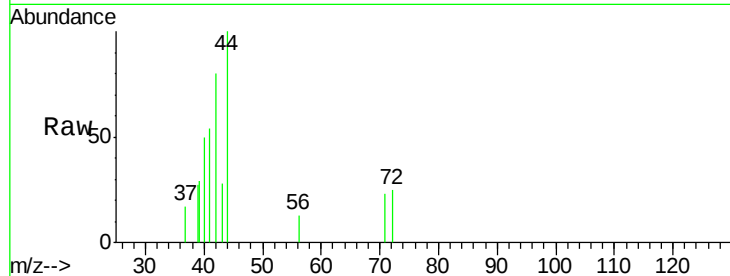




#29
Tetrahydrofuran
Concen: 0.75 ug/l
RT: 5.19 min Scan# 755
Delta R.T. 0.02 min
Lab File: VX001911.D
Acq: 22 May 2018 23:12

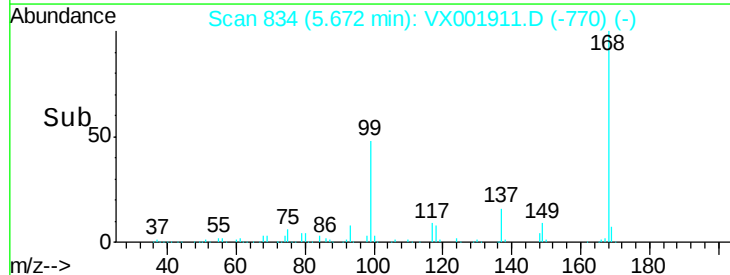
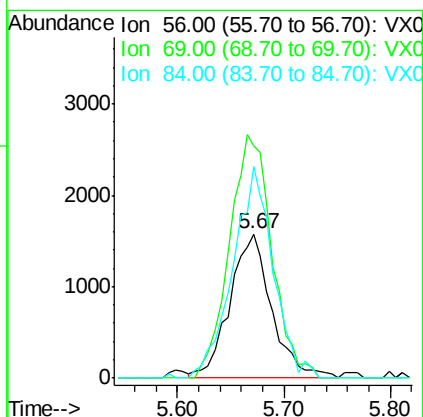
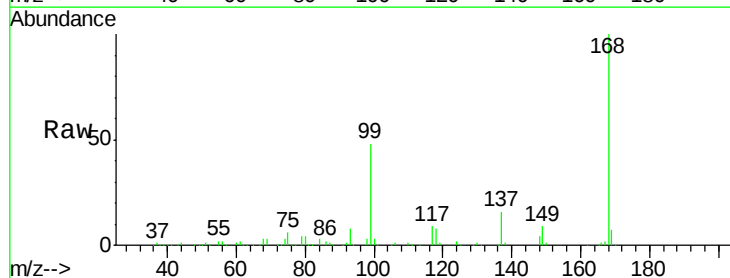
Instrument :
MSVOA_X
ClientSampleId :

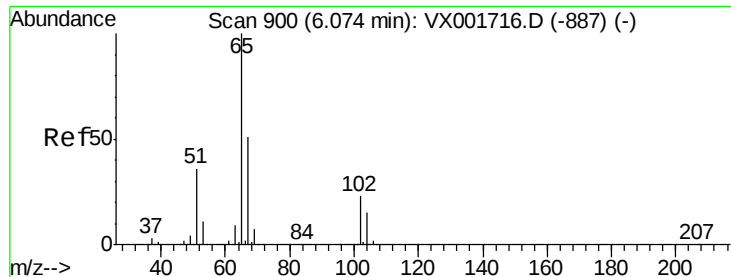
Tot Ion: 42 Resp: 965
Ion Ratio Lower Upper
42 100
72 0.0 35.4 53.2#
71 17.5 33.2 49.8#



#31
Cyclohexane
Concen: 1.06 ug/l
RT: 5.67 min Scan# 834
Delta R.T. 0.09 min
Lab File: VX001911.D
Acq: 22 May 2018 23:12

Tgt Ion: 56 Resp: 4340
Ion Ratio Lower Upper
56 100
69 161.5 25.0 37.6#
84 146.9 71.0 106.4#

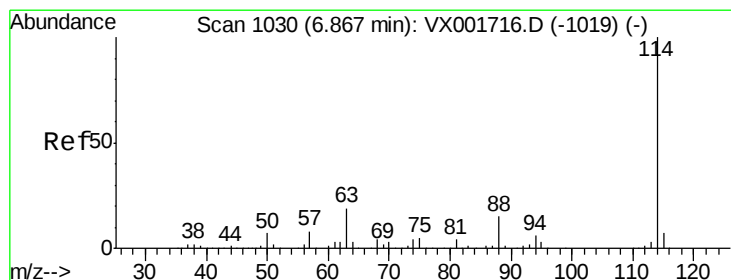
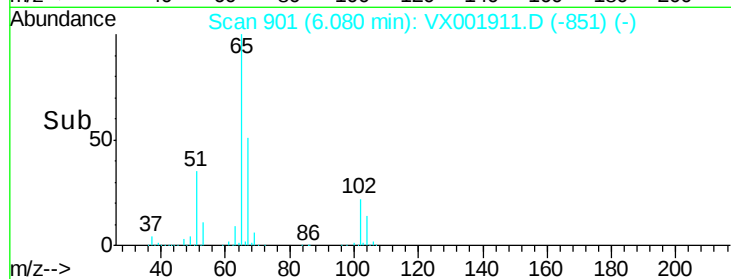
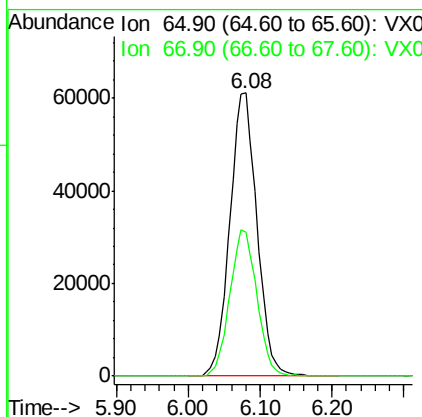
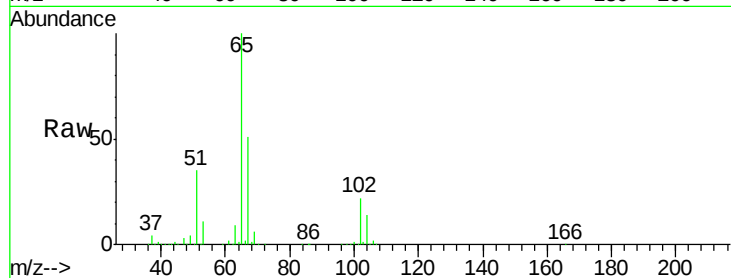




#33
 1,2-Dichloroethane-d4
 Concen: 48.90 ug/l
 RT: 6.08 min Scan# 901
 Delta R.T. 0.01 min
 Lab File: VX001911.D
 Acq: 22 May 2018 23:12

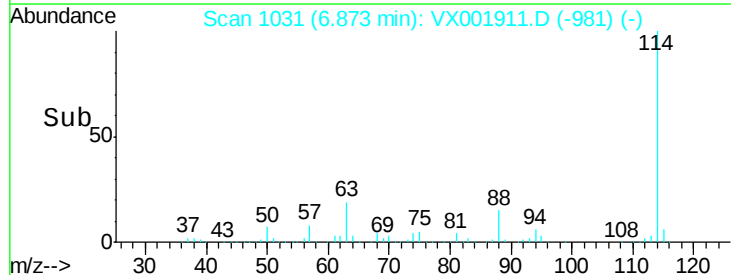
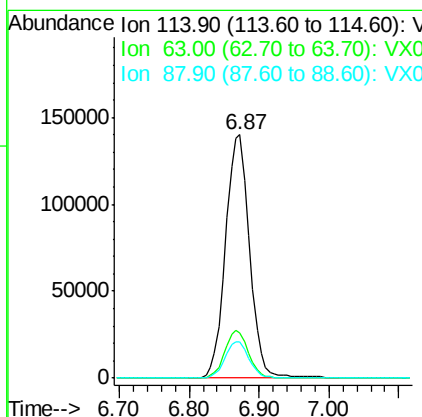
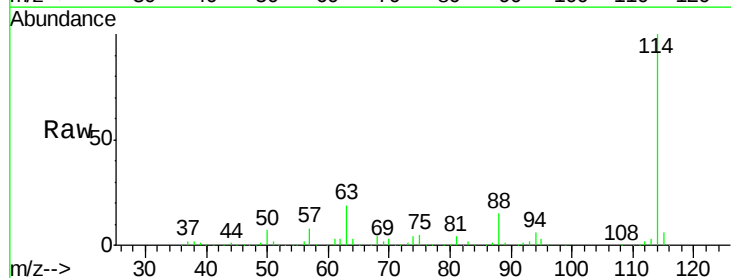
Instrument :
 MSVOA_X
 ClientSampleId :

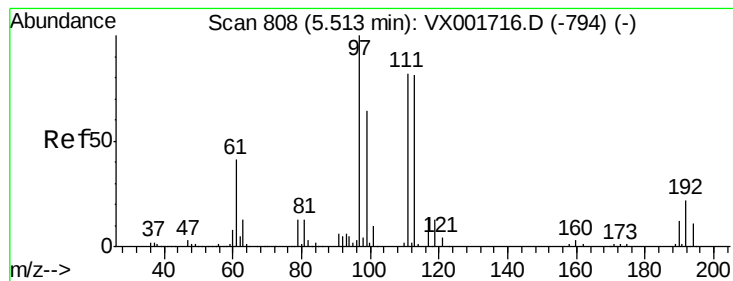
Tot Ion: 65 Resp: 159910
 Ion Ratio Lower Upper
 65 100
 67 51.6 0.0 102.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1031
 Delta R.T. 0.01 min
 Lab File: VX001911.D
 Acq: 22 May 2018 23:12

Tgt Ion: 114 Resp: 334507
 Ion Ratio Lower Upper
 114 100
 63 18.6 0.0 37.0
 88 14.8 0.0 29.8





#35

Dibromofluoromethane

Concen: 46.73 ug/l

RT: 5.51 min Scan# 808

Delta R.T. -0.00 min

Lab File: VX001911.D

Acq: 22 May 2018 23:12

Instrument :

MSVOA_X

ClientSampleId :

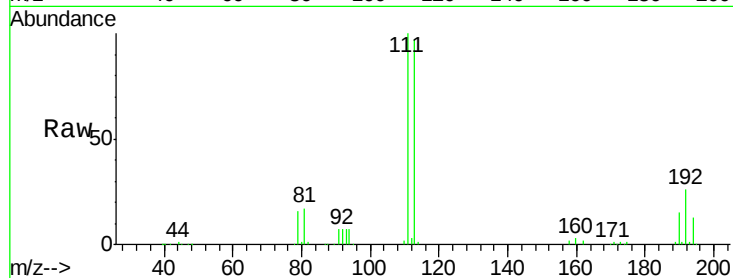
Tot Ion:113 Resp: 131915

Ion Ratio Lower Upper

113 100

111 102.1 82.0 123.0

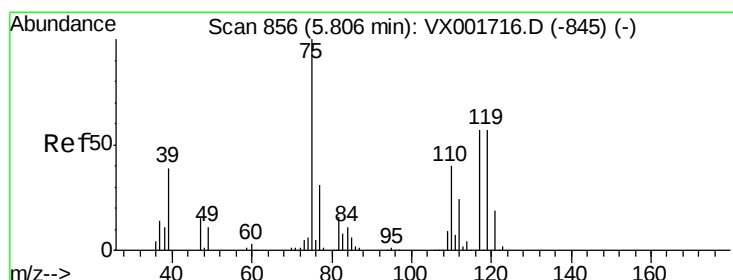
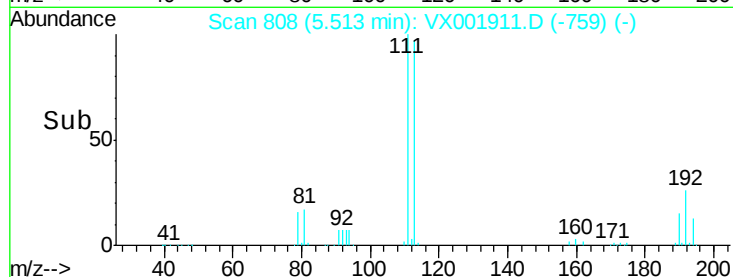
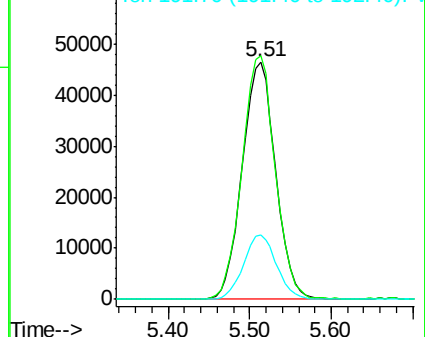
192 27.1 21.6 32.4



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: 3.88 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.13 min

Lab File: VX001911.D

Acq: 22 May 2018 23:12

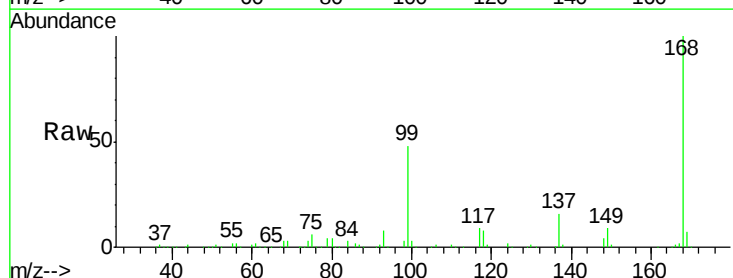
Tgt Ion: 75 Resp: 14960

Ion Ratio Lower Upper

75 100

110 9.7 19.1 57.1#

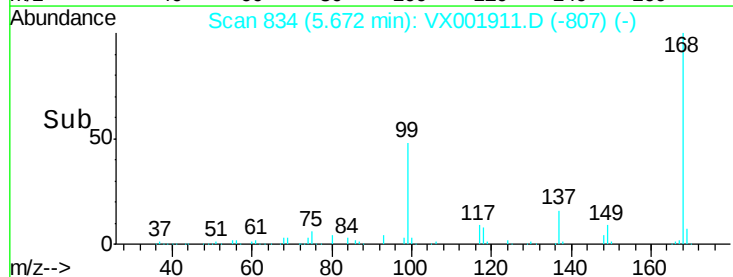
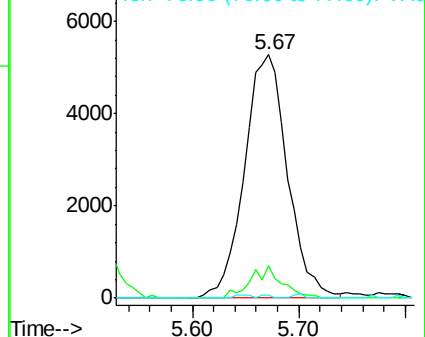
77 0.3 24.6 37.0#

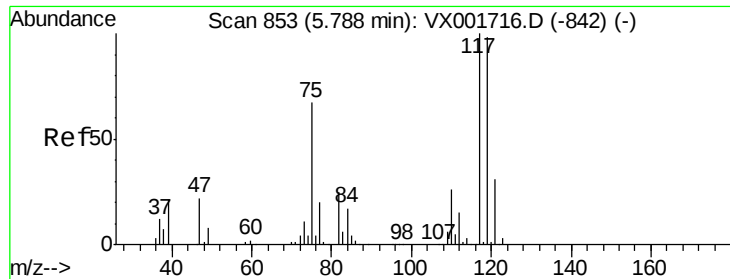


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 5.29 ug/l

RT: 5.67 min Scan# 834

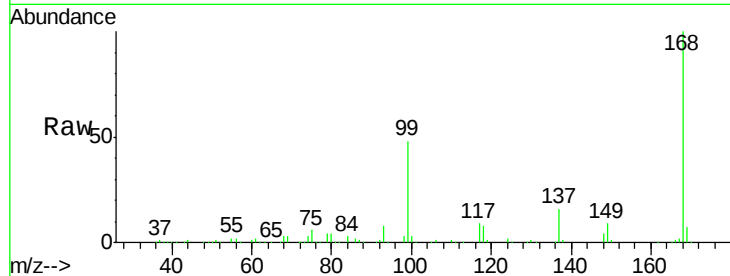
Delta R.T. -0.12 min

Lab File: VX001911.D

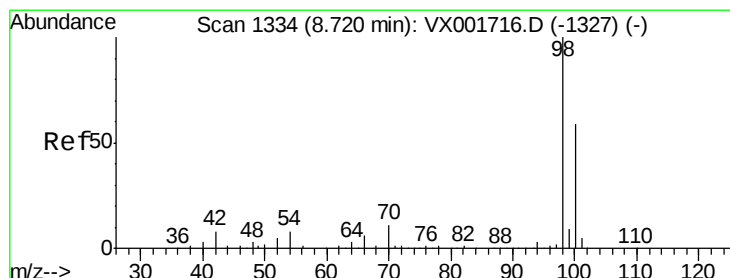
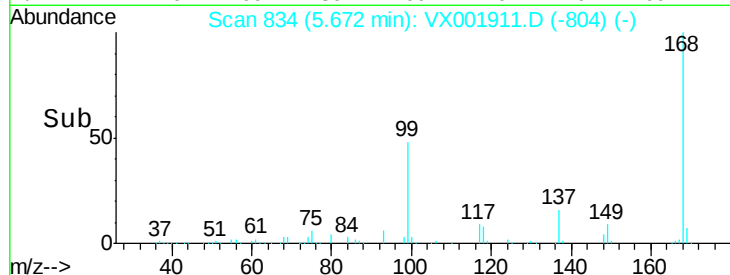
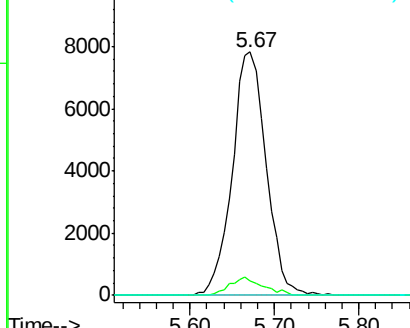
Acq: 22 May 2018 23:12

Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 117 Resp: 21331
Ion Ratio Lower Upper
117 100
119 5.7 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: 46.26 ug/l

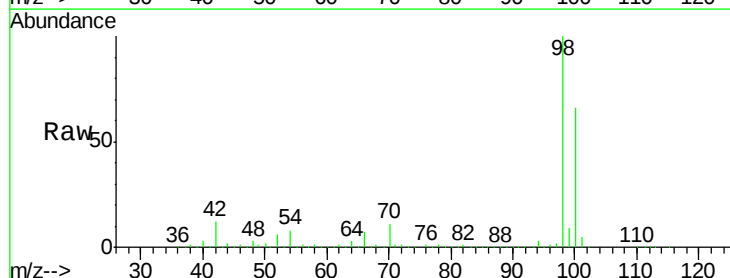
RT: 8.72 min Scan# 1334

Delta R.T. -0.00 min

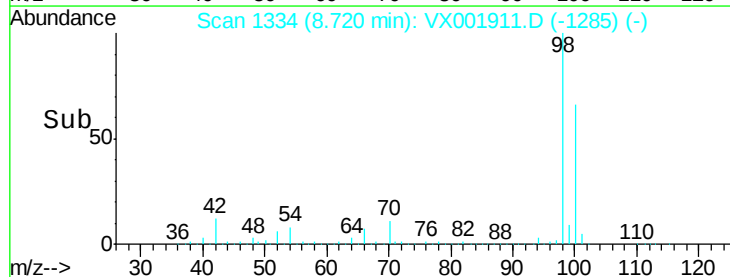
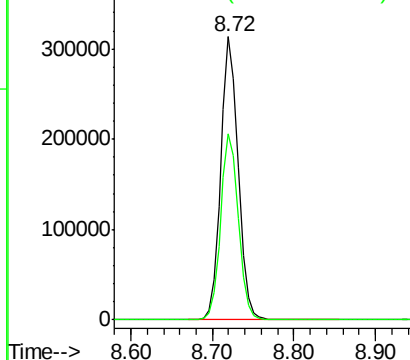
Lab File: VX001911.D

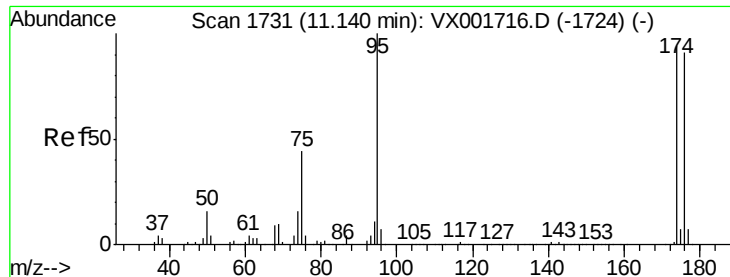
Acq: 22 May 2018 23:12

Tgt Ion: 98 Resp: 467745
Ion Ratio Lower Upper
98 100
100 66.8 54.0 81.0



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

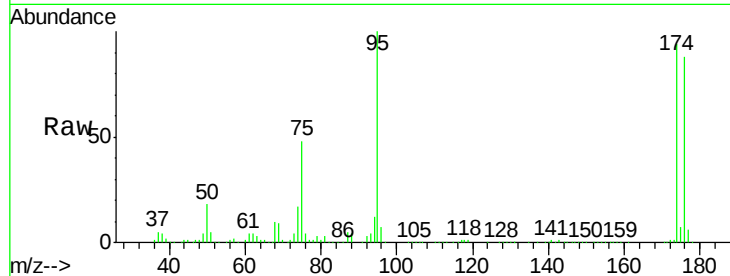




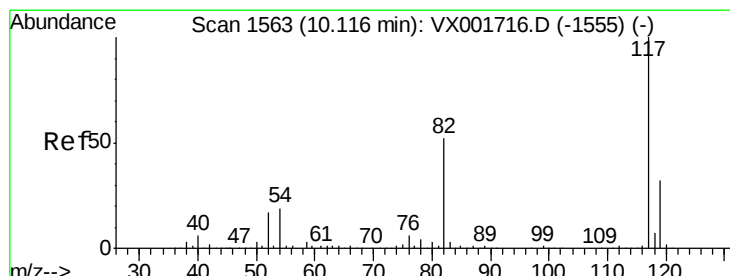
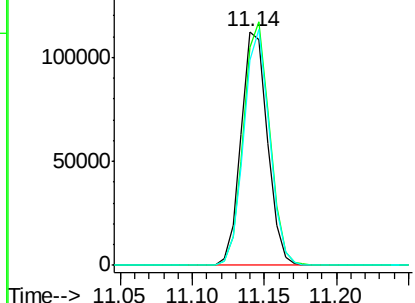
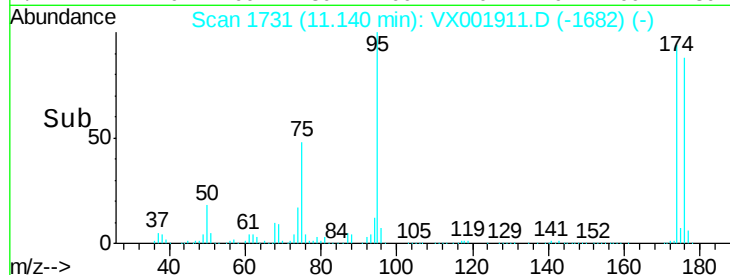
#62
4-Bromofluorobenzene
Concen: 39.34 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. -0.00 min
Lab File: VX001911.D
Acq: 22 May 2018 23:12

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 95 Resp: 143201
Ion Ratio Lower Upper
95 100
174 102.4 0.0 201.8
176 98.1 0.0 196.8

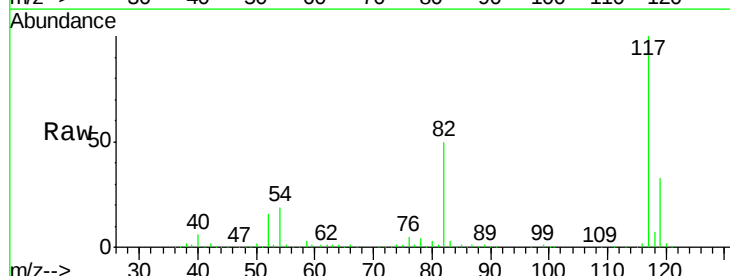


Abundance Ion 94.90 (94.60 to 95.60): VX0
Ion 173.80 (173.50 to 174.50): V
Ion 175.80 (175.50 to 176.50): V

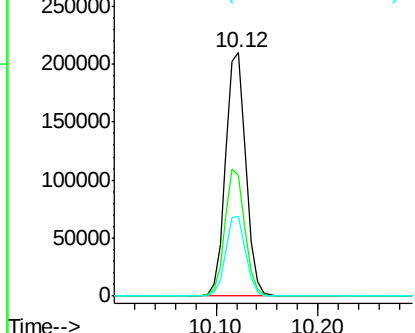
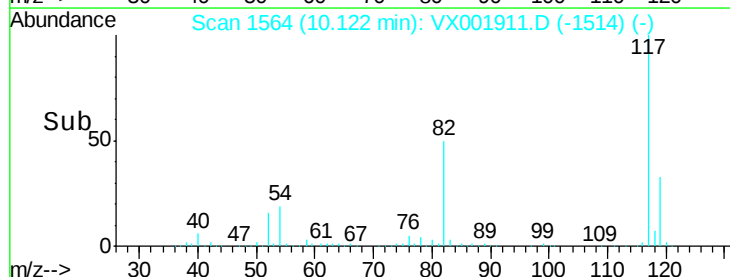


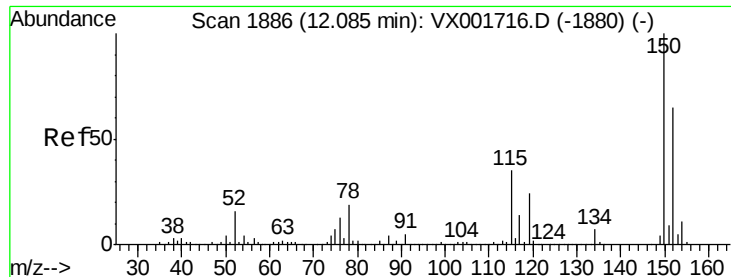
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. 0.01 min
Lab File: VX001911.D
Acq: 22 May 2018 23:12

Tgt Ion: 117 Resp: 286060
Ion Ratio Lower Upper
117 100
82 49.6 41.4 62.2
119 32.6 25.6 38.4



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: 50.00 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX001911.D

Acq: 22 May 2018 23:12

Instrument :

MSVOA_X

ClientSampled :

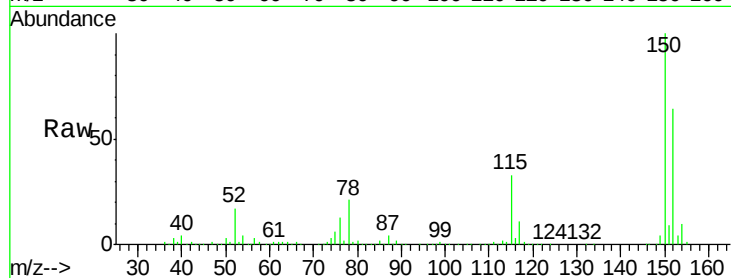
Tot Ion:152 Resp: 153336

Ion Ratio Lower Upper

152 100

115 52.6 37.4 112.2

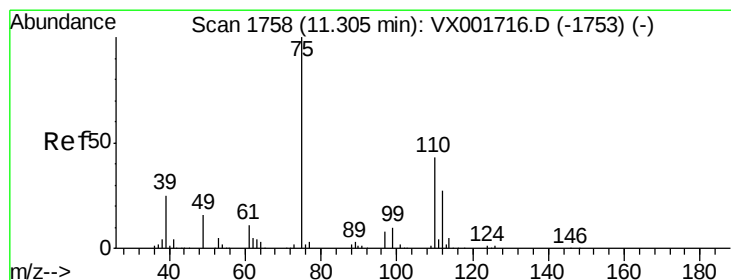
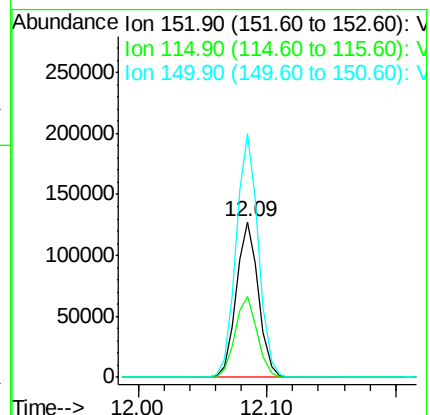
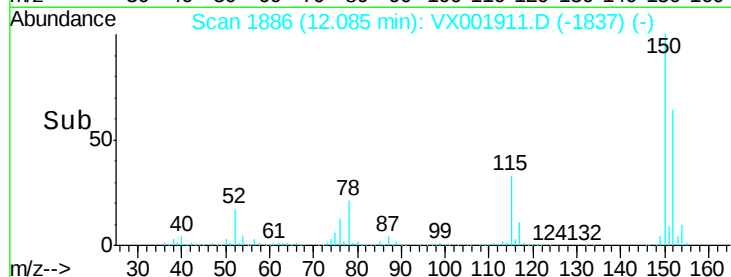
150 157.5 0.0 344.8



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: 23.50 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX001911.D

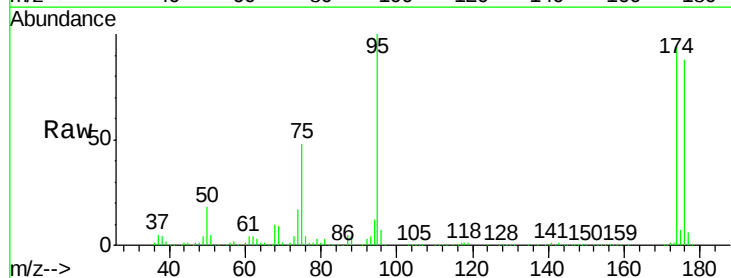
Acq: 22 May 2018 23:12

Tgt Ion: 75 Resp: 68511

Ion Ratio Lower Upper

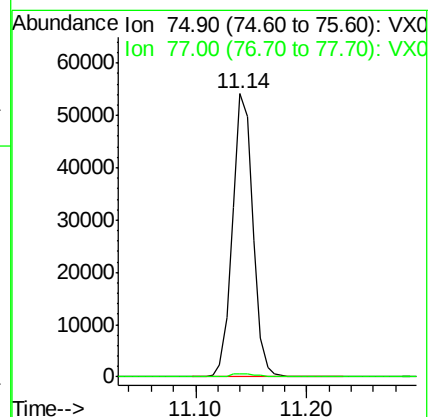
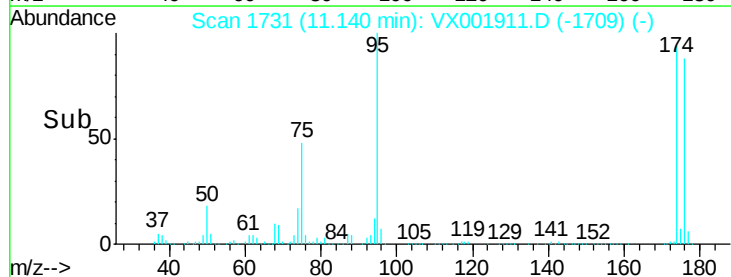
75 100

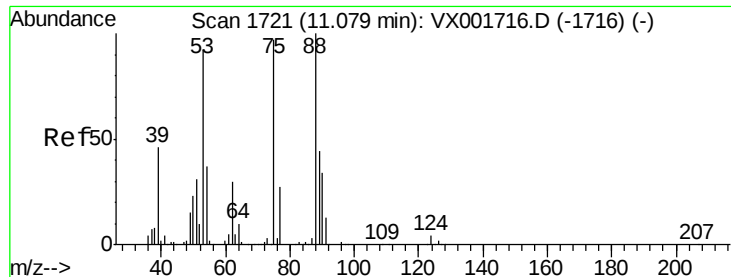
77 1.4 18.9 56.7#



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: 68.70 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. 0.06 min
 Lab File: VX001911.D
 Acq: 22 May 2018 23:12

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion: 75 Resp: 68511
 Ion Ratio Lower Upper
 75 100
 53 0.4 79.4 119.2#
 89 0.0 38.8 58.2#

