

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX070618\
 Data File : VX003235.D
 Acq On : 07 Jul 2018 01:34
 Operator : JC/MD
 Sample : J3878-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jul 07 03:16:50 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X062518W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 25 14:38:05 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	273374	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	382728	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	358383	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	203906	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	180050	47.65	ug/l	0.00
Spiked Amount			Recovery	=	95.30%	
35) Dibromofluoromethane	5.51	113	149014	49.17	ug/l	0.00
Spiked Amount			Recovery	=	98.34%	
50) Toluene-d8	8.72	98	531716	48.04	ug/l	0.00
Spiked Amount			Recovery	=	96.08%	
62) 4-Bromofluorobenzene	11.14	95	184908	43.32	ug/l	0.00
Spiked Amount			Recovery	=	86.64%	

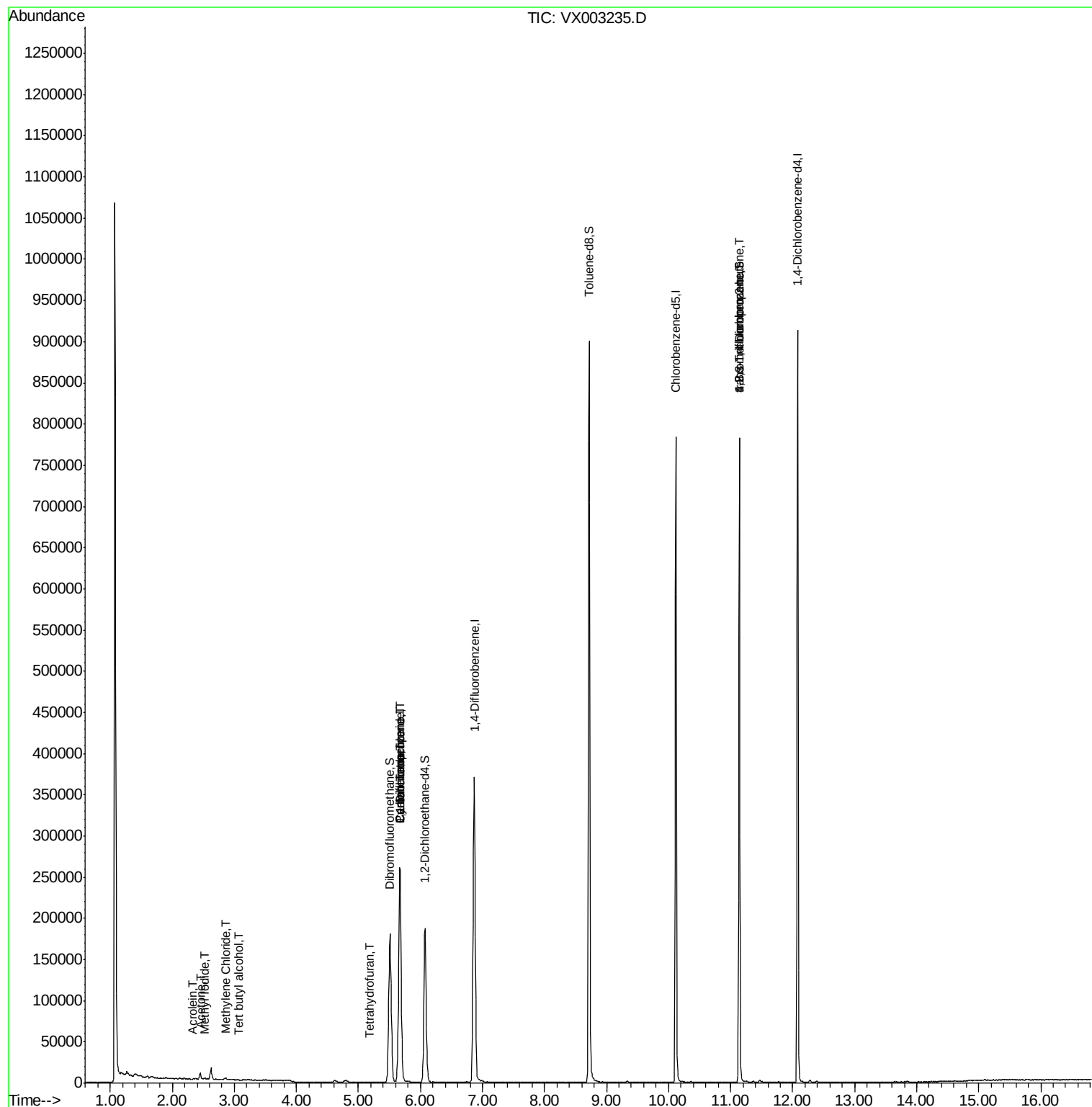
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	72	Below Cal	#	43
3) Chloromethane	1.32	50	798	Below Cal	#	54
5) Bromomethane	1.67	94	1428	Below Cal		89
6) Chloroethane	1.69	64	404	Below Cal	#	77
10) Methyl Iodide	2.51	142	1460	6.64	ug/l	89
11) Tert butyl alcohol	3.07	59	189	0.25	ug/l	96
13) Acrolein	2.31	56	123	4.52	ug/l #	69
16) Acetone	2.45	43	7893	5.04	ug/l	91
20) Methylene Chloride	2.86	84	861	0.28	ug/l #	78
29) Tetrahydrofuran	5.19	42	481	0.32	ug/l #	84
31) Cyclohexane	5.67	56	5100	1.08	ug/l #	12
36) 1,1-Dichloropropene	5.67	75	17389	4.14	ug/l #	51
38) Carbon Tetrachloride	5.67	117	23700	5.15	ug/l #	17
76) 1,2,3-Trichloropropane	11.14	75	91927	24.89	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.14	75	91927	70.72	ug/l #	7

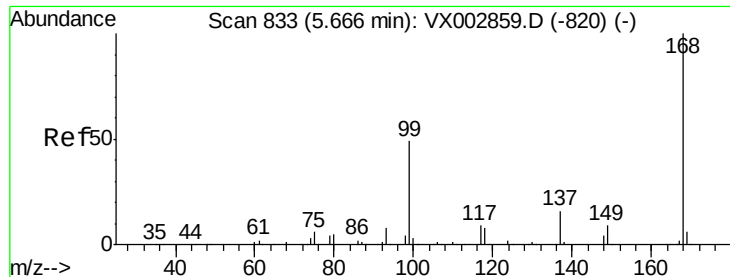
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.01 min

Lab File: VX003235.D

Acq: 07 Jul 2018 01:34

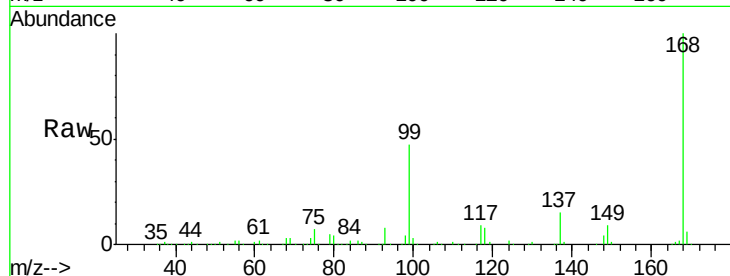
Instrument :
MSVOA_X
ClientSampled :

Tot Ion:168 Resp: 273374

Ion Ratio Lower Upper

168 100

99 47.4 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

100000

80000

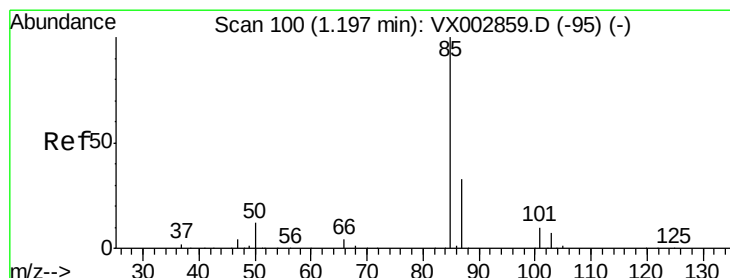
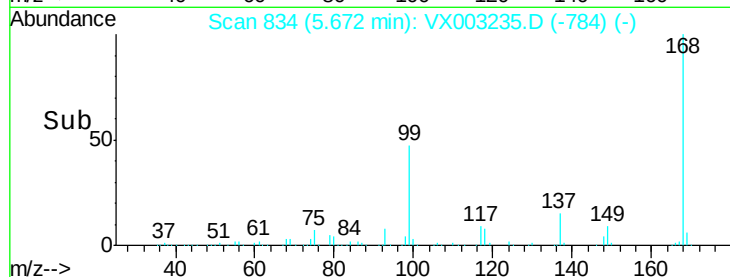
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX003235.D

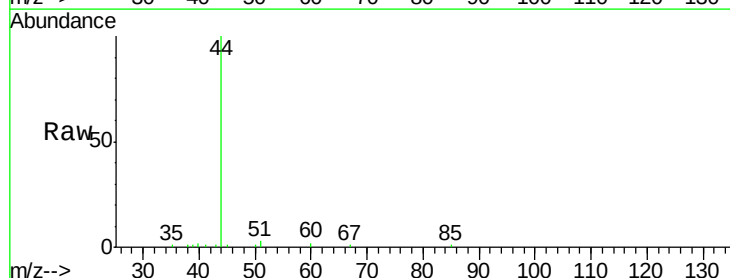
Acq: 07 Jul 2018 01:34

Tgt Ion: 85 Resp: 72

Ion Ratio Lower Upper

85 100

87 0.0 16.0 47.9#



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

120

100

80

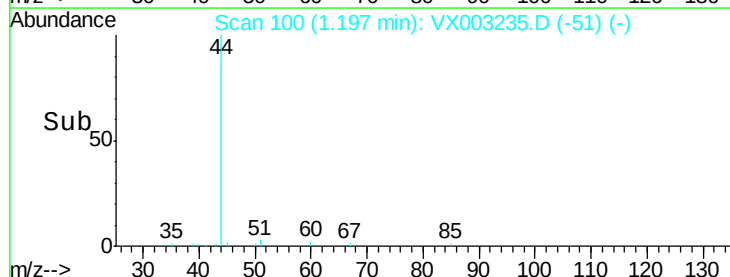
60

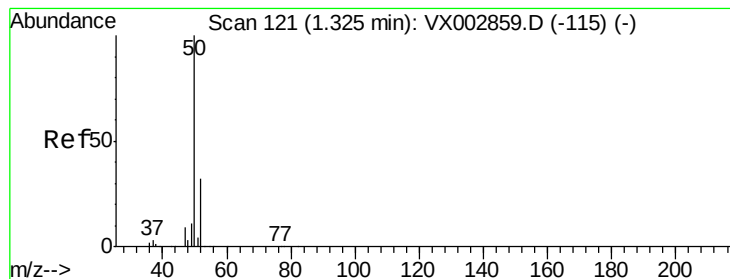
40

20

0

Time--> 1.18 1.20





#3

Chloromethane

Concen: Below Cal

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX003235.D

Acq: 07 Jul 2018 01:34

Instrument :

MSVOA_X

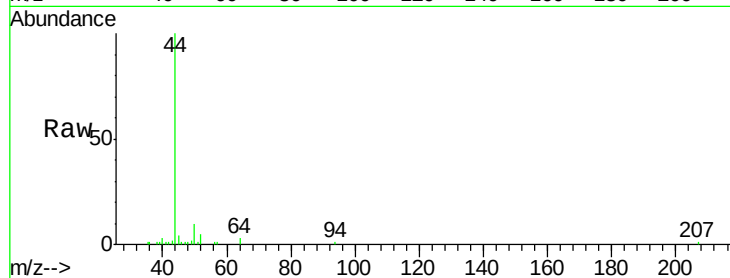
ClientSampleId :

Tot Ion: 50 Resp: 798

Ion Ratio Lower Upper

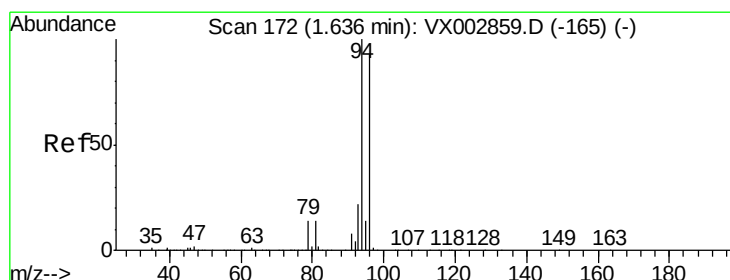
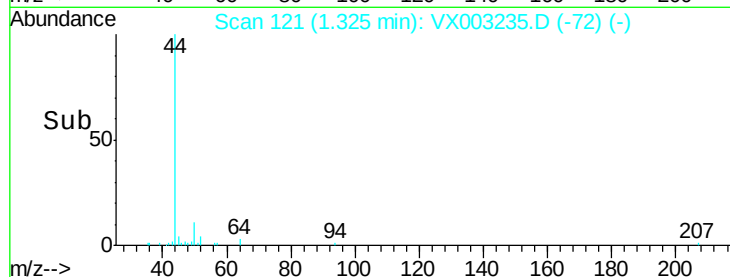
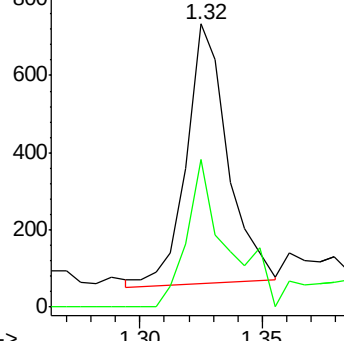
50 100

52 57.8 25.7 38.5#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#5

Bromomethane

Concen: Below Cal

RT: 1.67 min Scan# 177

Delta R.T. 0.03 min

Lab File: VX003235.D

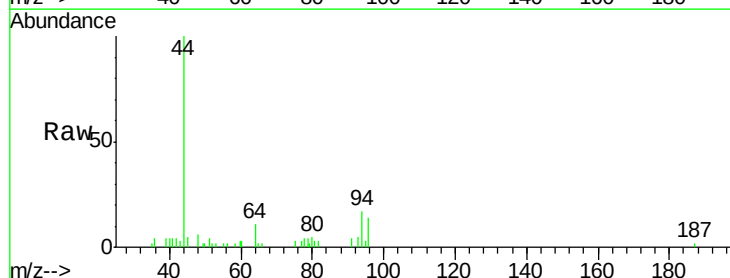
Acq: 07 Jul 2018 01:34

Tgt Ion: 94 Resp: 1428

Ion Ratio Lower Upper

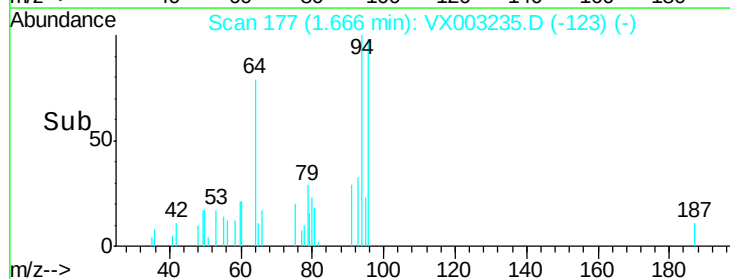
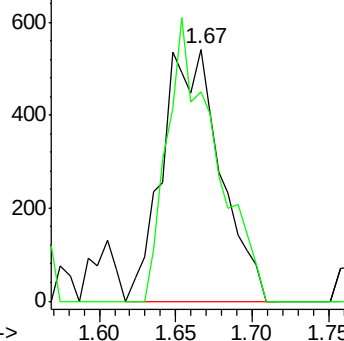
94 100

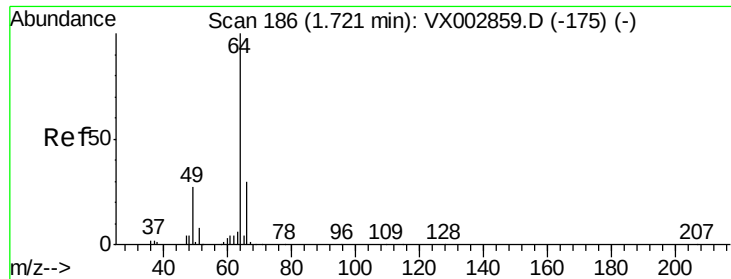
96 83.4 74.9 112.3



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#6

Chloroethane

Concen: Below Cal

RT: 1.69 min Scan# 181

Delta R.T. -0.03 min

Lab File: VX003235.D

Acq: 07 Jul 2018 01:34

Instrument :

MSVOA_X

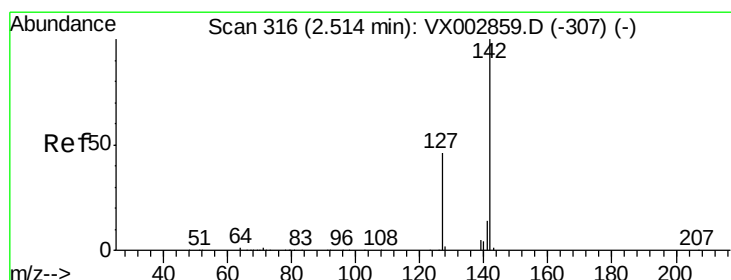
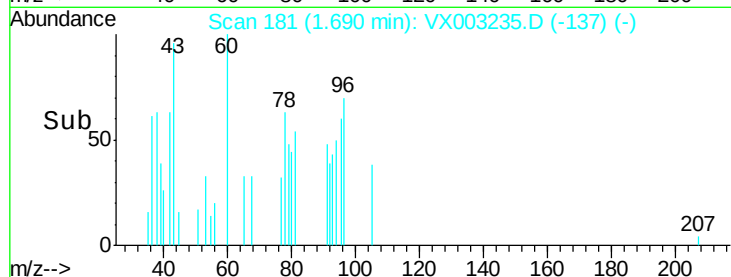
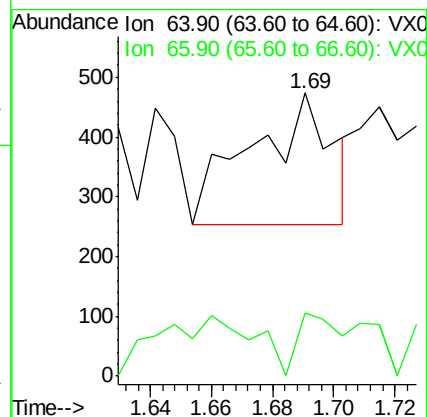
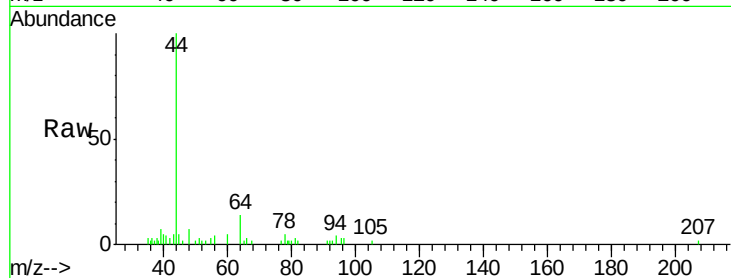
ClientSampleId :

Tot Ion: 64 Resp: 404

Ion Ratio Lower Upper

64 100

66 19.1 25.5 38.3#



#10

Methyl Iodide

Concen: 6.64 ug/l

RT: 2.51 min Scan# 316

Delta R.T. 0.00 min

Lab File: VX003235.D

Acq: 07 Jul 2018 01:34

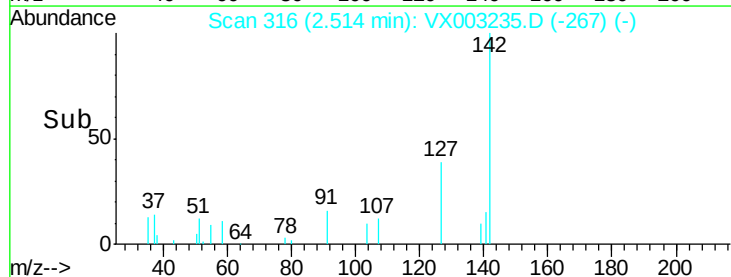
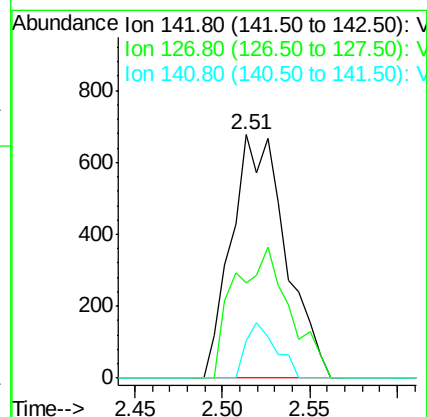
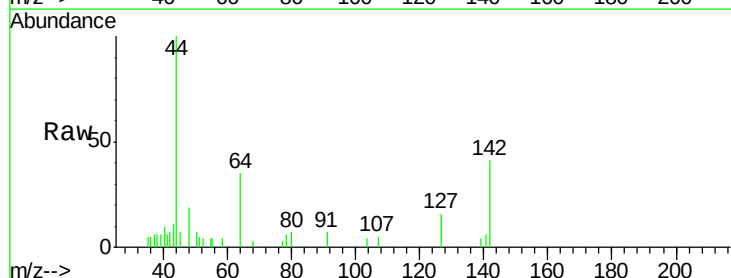
Tgt Ion:142 Resp: 1460

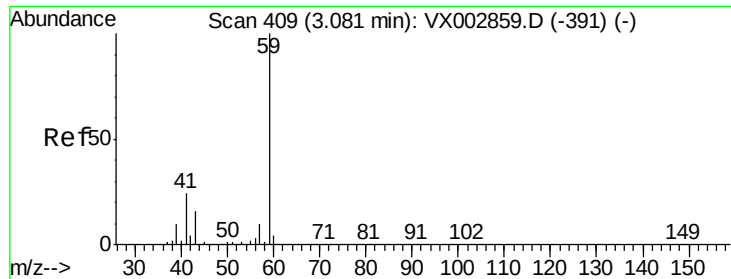
Ion Ratio Lower Upper

142 100

127 54.7 36.6 55.0

141 12.5 11.3 16.9

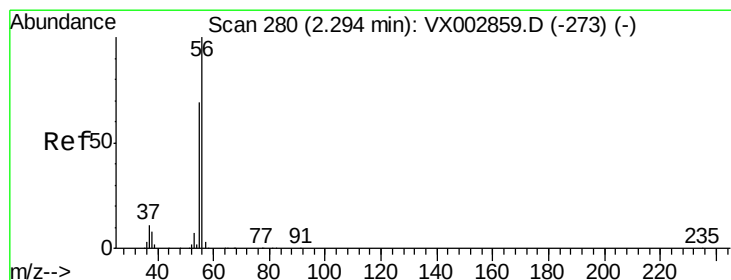
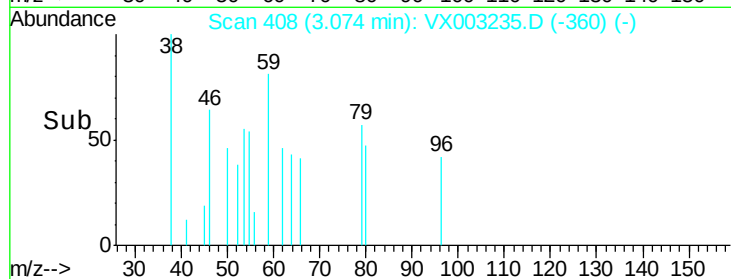
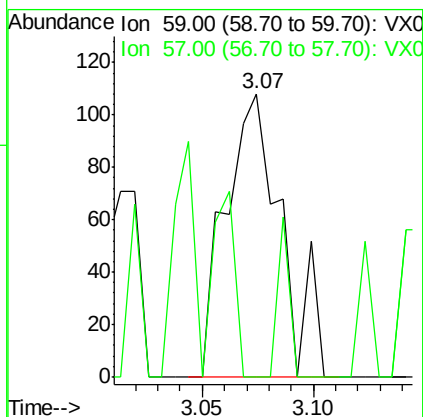
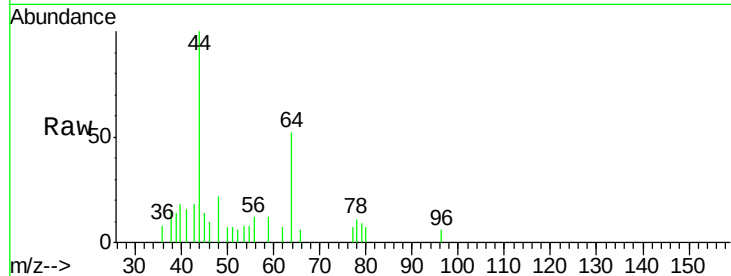




#11
Tert butyl alcohol
Concen: 0.25 ug/l
RT: 3.07 min Scan# 408
Delta R.T. -0.01 min
Lab File: VX003235.D
Acq: 07 Jul 2018 01:34

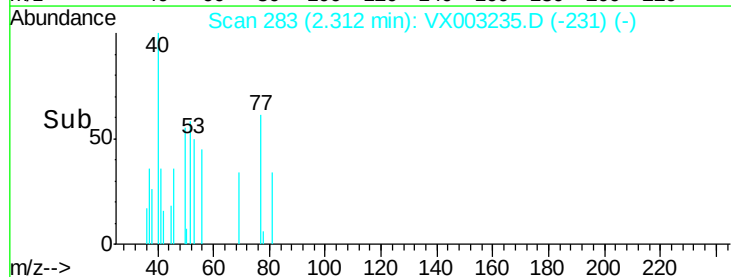
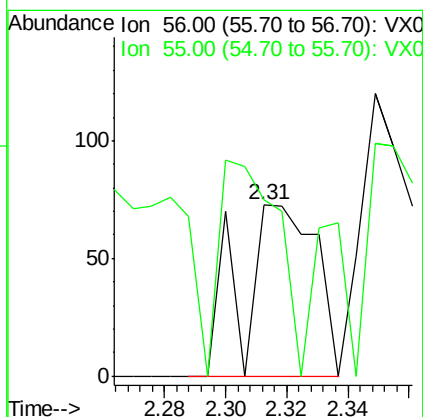
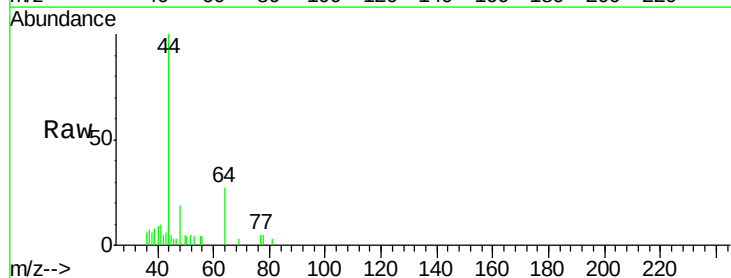
Instrument :
MSVOA_X
ClientSampled :

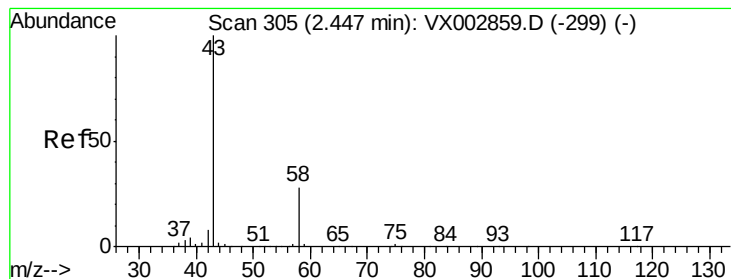
Tot Ion: 59 Resp: 189
Ion Ratio Lower Upper
59 100
57 11.6 8.2 12.2



#13
Acrolein
Concen: 4.52 ug/l
RT: 2.31 min Scan# 283
Delta R.T. 0.02 min
Lab File: VX003235.D
Acq: 07 Jul 2018 01:34

Tgt Ion: 56 Resp: 123
Ion Ratio Lower Upper
56 100
55 96.7 57.0 85.4#





#16

Acetone

Concen: 5.04 ug/l

RT: 2.45 min Scan# 305

Delta R.T. -0.00 min

Lab File: VX003235.D

Acq: 07 Jul 2018 01:34

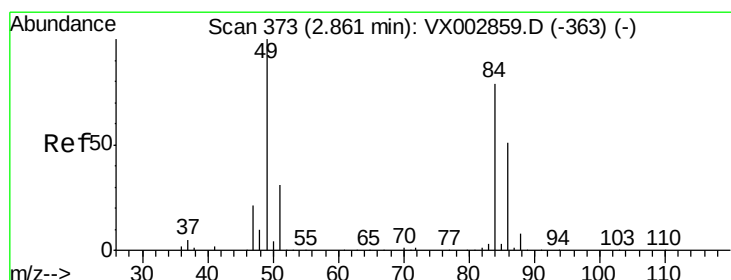
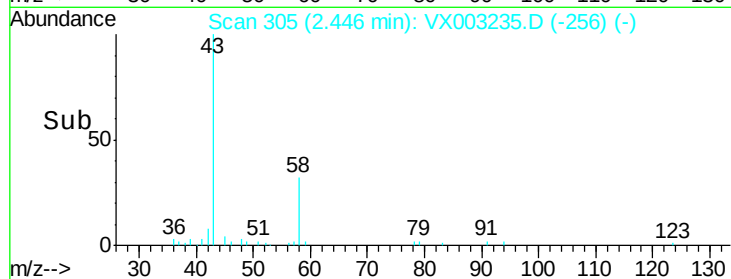
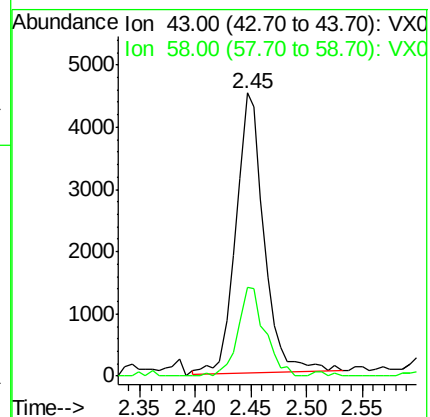
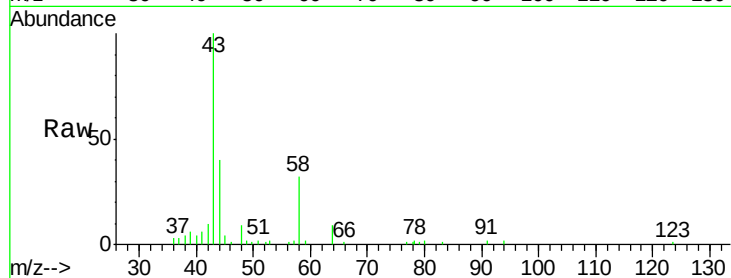
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 43 Resp: 7893

Ion Ratio Lower Upper

43 100

58 32.1 22.1 33.1



#20

Methylene Chloride

Concen: 0.28 ug/l

RT: 2.86 min Scan# 373

Delta R.T. -0.00 min

Lab File: VX003235.D

Acq: 07 Jul 2018 01:34

Tgt Ion: 84 Resp: 861

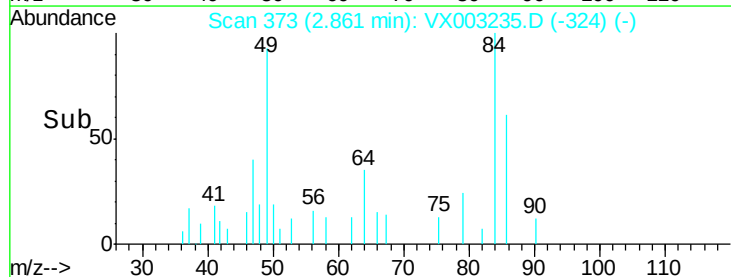
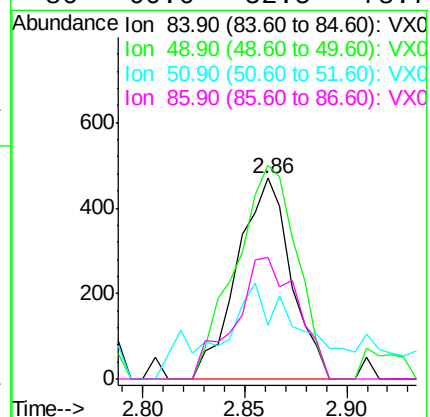
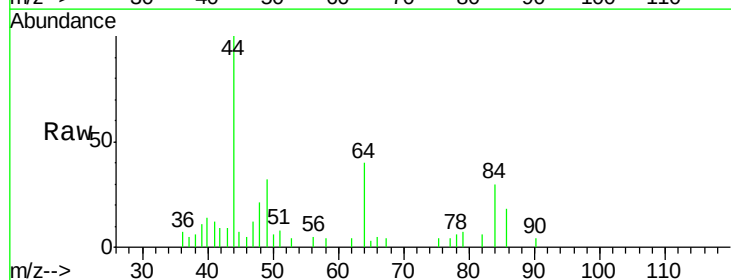
Ion Ratio Lower Upper

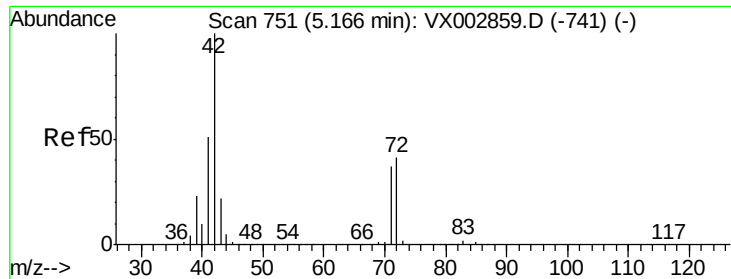
84 100

49 106.6 107.8 161.6#

51 14.3 32.8 49.2#

86 60.6 52.5 78.7

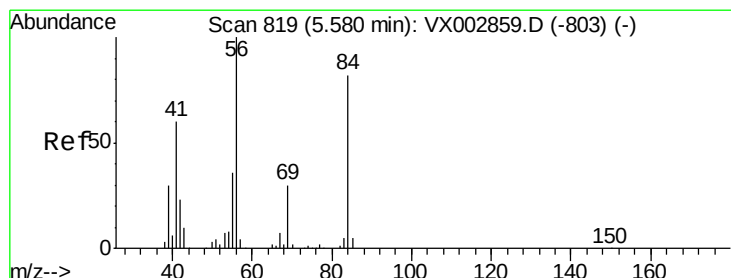
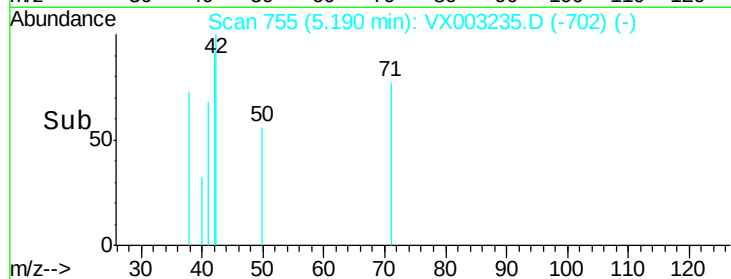
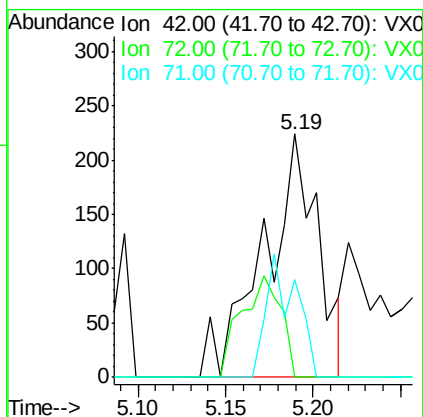
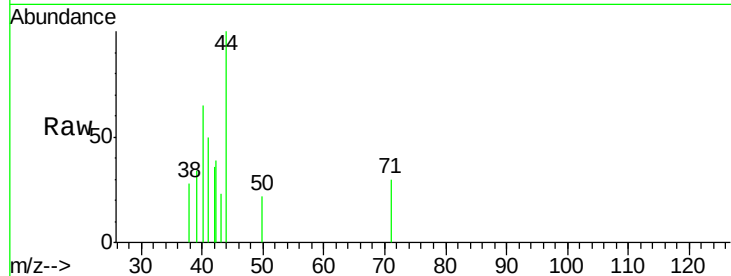




#29
Tetrahydrofuran
Concen: 0.32 ug/l
RT: 5.19 min Scan# 755
Delta R.T. 0.02 min
Lab File: VX003235.D
Acq: 07 Jul 2018 01:34

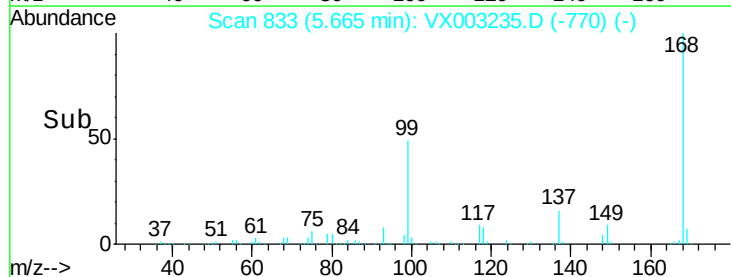
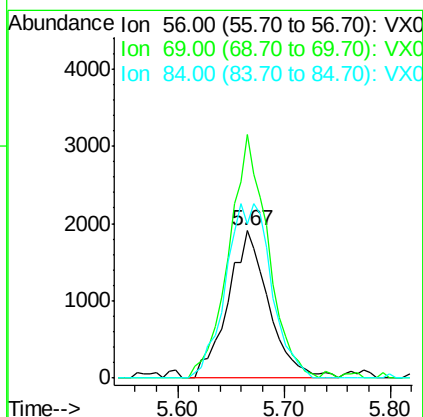
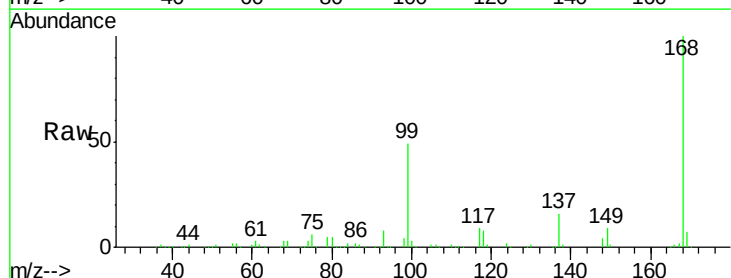
Instrument :
MSVOA_X
ClientSampled :

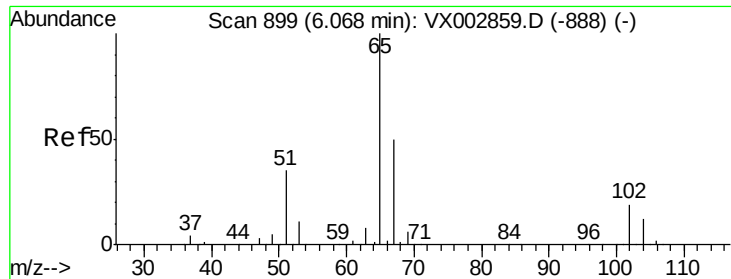
Tot Ion: 42 Resp: 481
Ion Ratio Lower Upper
42 100
72 30.6 32.0 48.0#
71 27.7 30.1 45.1#



#31
Cyclohexane
Concen: 1.08 ug/l
RT: 5.67 min Scan# 833
Delta R.T. 0.09 min
Lab File: VX003235.D
Acq: 07 Jul 2018 01:34

Tgt Ion: 56 Resp: 5100
Ion Ratio Lower Upper
56 100
69 165.1 23.7 35.5#
84 104.3 64.1 96.1#

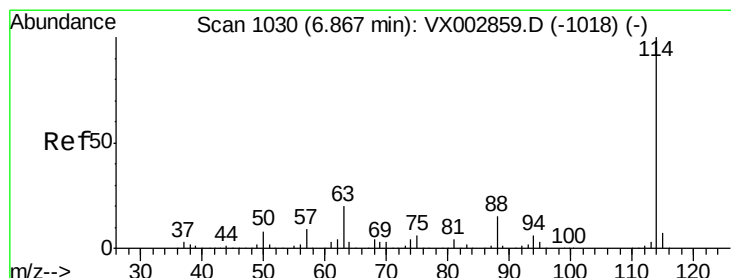
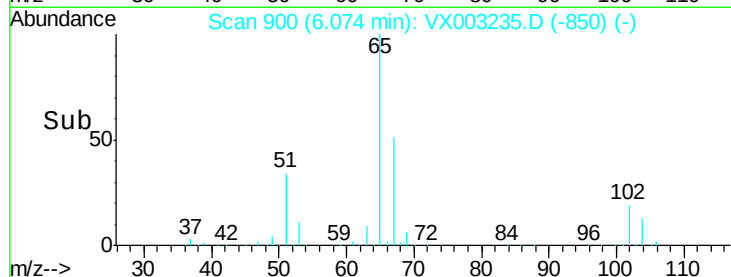
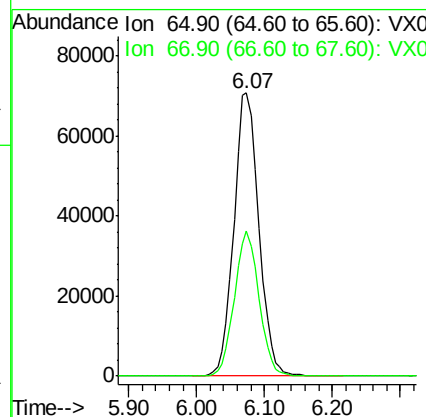
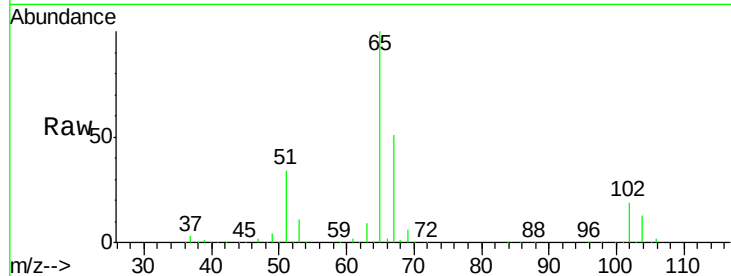




#33
 1,2-Dichloroethane-d4
 Concen: 47.65 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.01 min
 Lab File: VX003235.D
 Acq: 07 Jul 2018 01:34

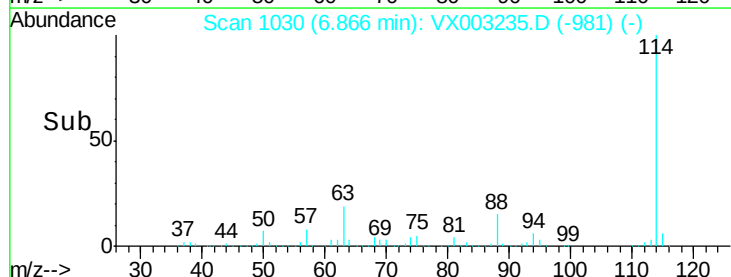
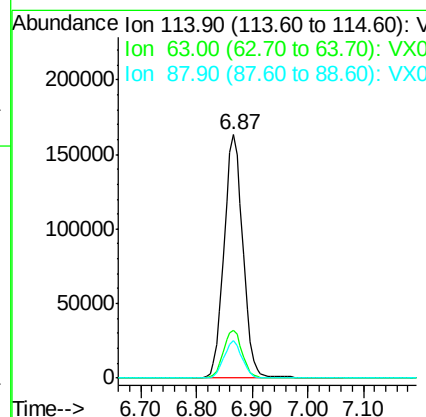
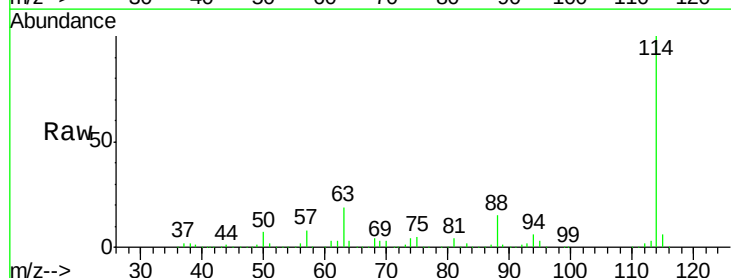
Instrument :
 MSVOA_X
 ClientSampleId :

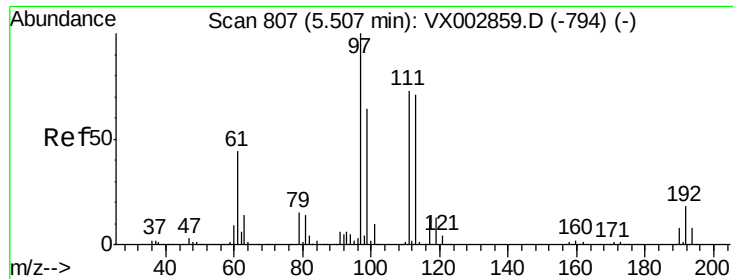
Tot Ion: 65 Resp: 180050
 Ion Ratio Lower Upper
 65 100
 67 50.6 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. -0.00 min
 Lab File: VX003235.D
 Acq: 07 Jul 2018 01:34

Tgt Ion: 114 Resp: 382728
 Ion Ratio Lower Upper
 114 100
 63 19.5 0.0 41.4
 88 15.4 0.0 30.0

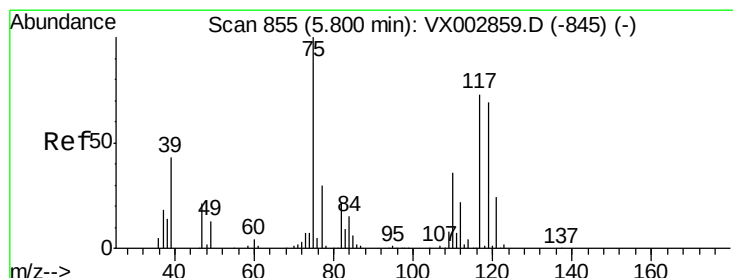
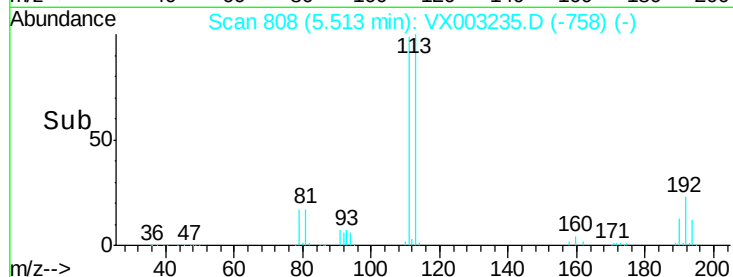
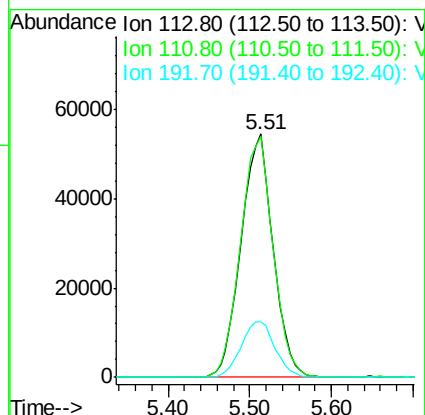
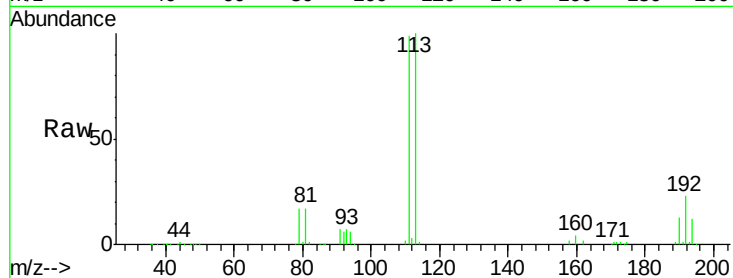




#35
 Dibromofluoromethane
 Concen: 49.17 ug/l
 RT: 5.51 min Scan# 808
 Delta R.T. 0.01 min
 Lab File: VX003235.D
 Acq: 07 Jul 2018 01:34

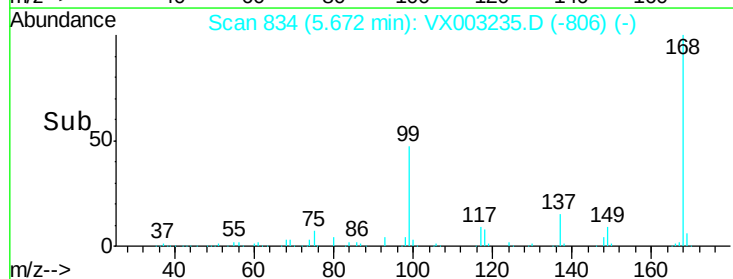
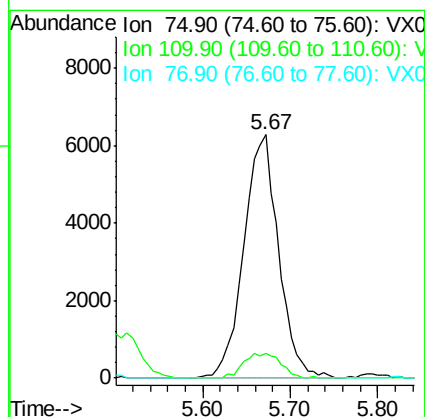
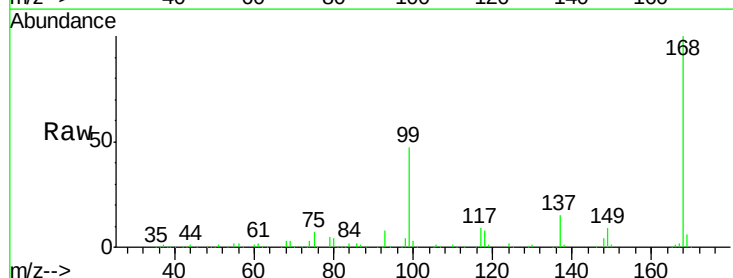
Instrument :
 MSVOA_X
 ClientSampleId :

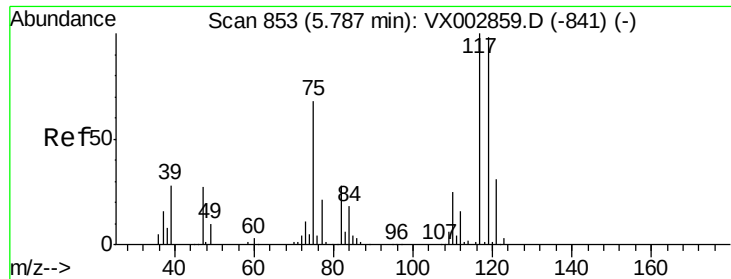
Tot Ion:113 Resp: 149014
 Ion Ratio Lower Upper
 113 100
 111 100.8 81.4 122.0
 192 24.4 19.1 28.7



#36
 1,1-Dichloropropene
 Concen: 4.14 ug/l
 RT: 5.67 min Scan# 834
 Delta R.T. -0.13 min
 Lab File: VX003235.D
 Acq: 07 Jul 2018 01:34

Tgt Ion: 75 Resp: 17389
 Ion Ratio Lower Upper
 75 100
 110 11.0 18.1 54.4#
 77 0.0 24.3 36.5#

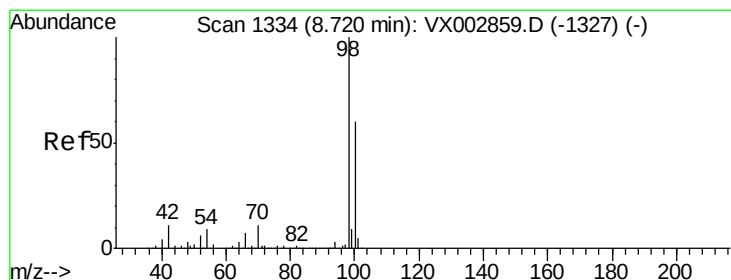
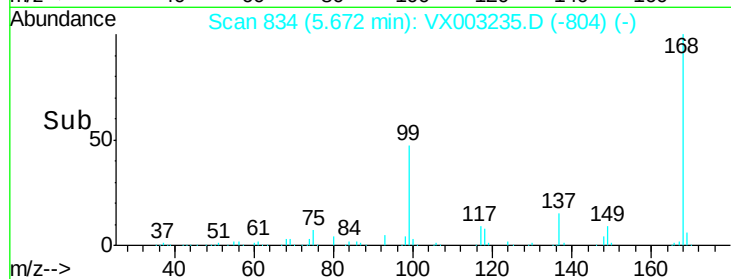
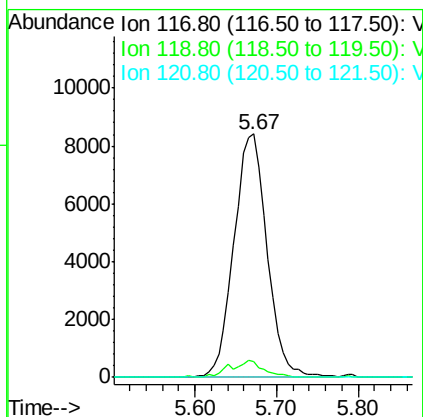
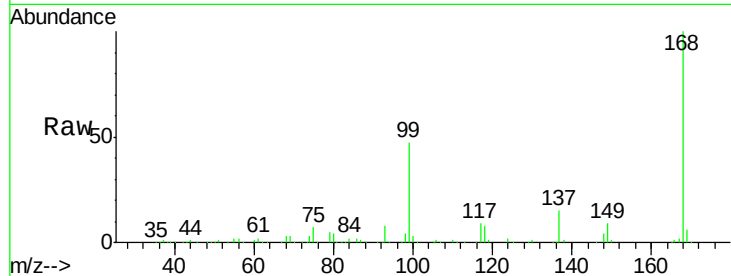




#38
 Carbon Tetrachloride
 Concen: 5.15 ug/l
 RT: 5.67 min Scan# 834
 Delta R.T. -0.12 min
 Lab File: VX003235.D
 Acq: 07 Jul 2018 01:34

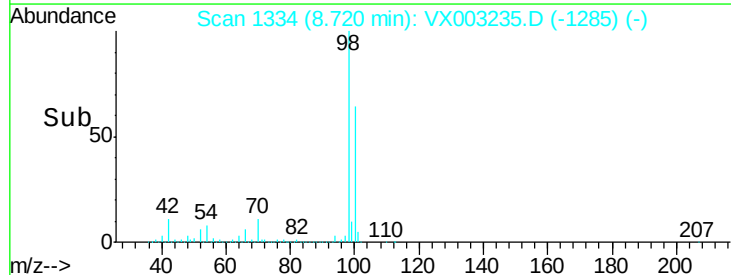
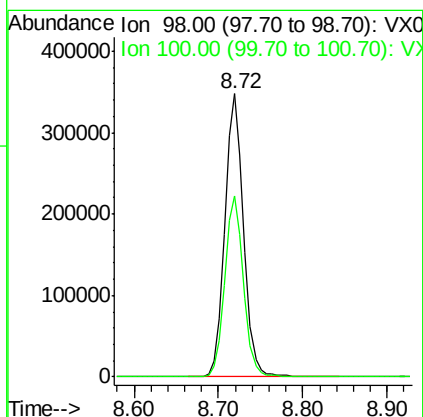
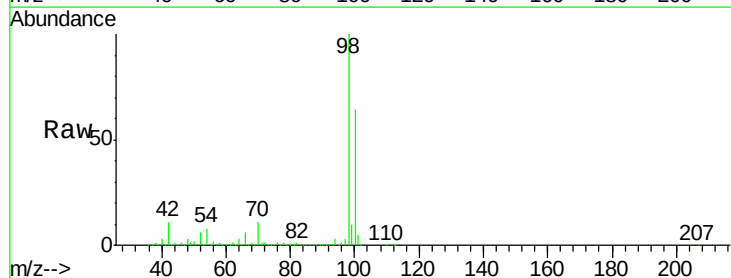
Instrument :
 MSVOA_X
 ClientSampled :

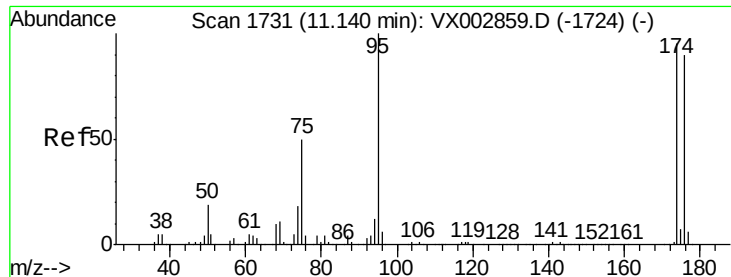
Tot Ion:117 Resp: 23700
 Ion Ratio Lower Upper
 117 100
 119 6.3 77.4 116.0#
 121 0.0 24.4 36.6#



#50
 Toluene-d8
 Concen: 48.04 ug/l
 RT: 8.72 min Scan# 1334
 Delta R.T. 0.00 min
 Lab File: VX003235.D
 Acq: 07 Jul 2018 01:34

Tgt Ion: 98 Resp: 531716
 Ion Ratio Lower Upper
 98 100
 100 64.1 50.9 76.3





#62

4-Bromofluorobenzene

Concen: 43.32 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX003235.D

Acq: 07 Jul 2018 01:34

Instrument :

MSVOA_X

ClientSampleId :

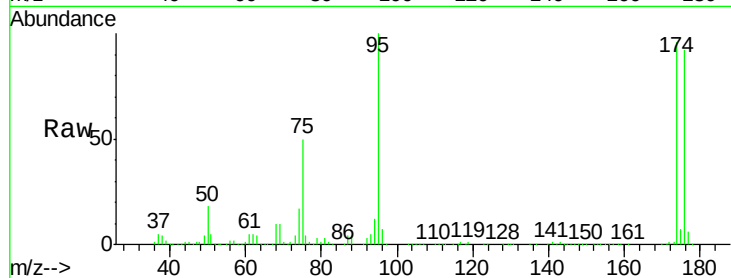
Tot Ion: 95 Resp: 184908

Ion Ratio Lower Upper

95 100

174 99.7 0.0 187.4

176 95.3 0.0 181.0



Abundance Ion 94.90 (94.60 to 95.60): VX003235.D (-1682) (-)

Ion 173.80 (173.50 to 174.50): VX003235.D (-1682) (-)

Ion 175.80 (175.50 to 176.50): VX003235.D (-1682) (-)

11.14

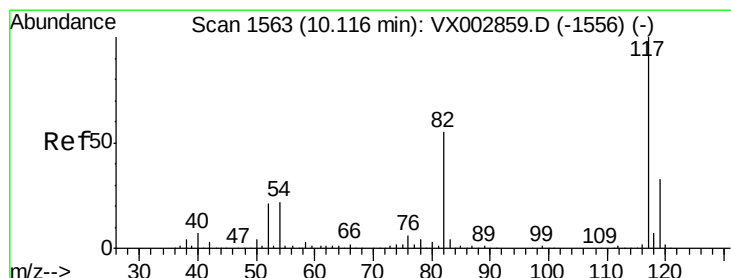
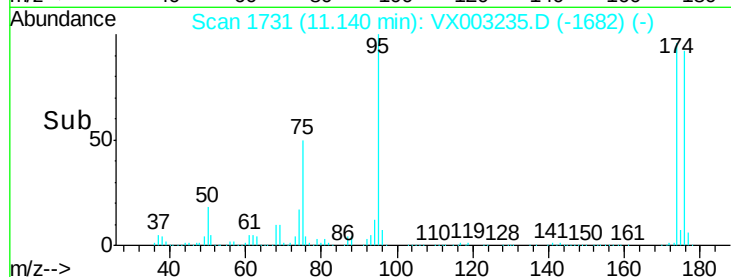
150000

100000

50000

0

Time-->



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.12 min Scan# 1563

Delta R.T. -0.00 min

Lab File: VX003235.D

Acq: 07 Jul 2018 01:34

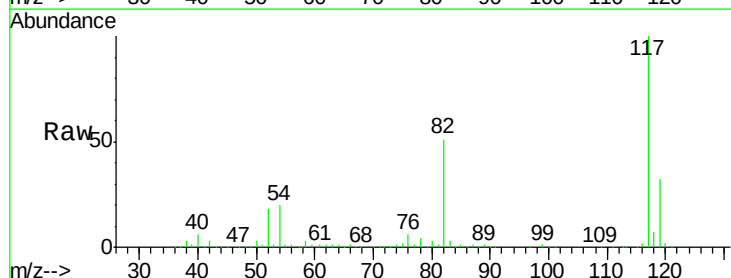
Tgt Ion: 117 Resp: 358383

Ion Ratio Lower Upper

117 100

82 51.3 45.0 67.4

119 32.5 25.8 38.6



Abundance Ion 116.90 (116.60 to 117.60): VX003235.D (-1514) (-)

Ion 82.00 (81.70 to 82.70): VX003235.D (-1514) (-)

Ion 118.90 (118.60 to 119.60): VX003235.D (-1514) (-)

10.12

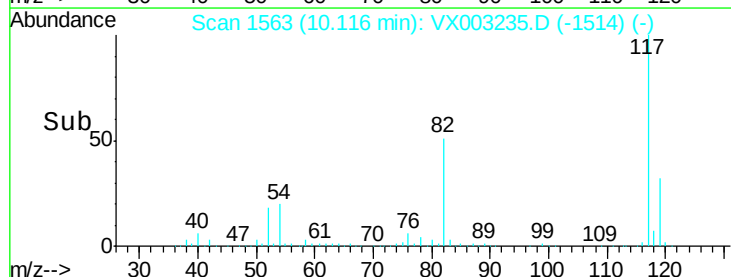
300000

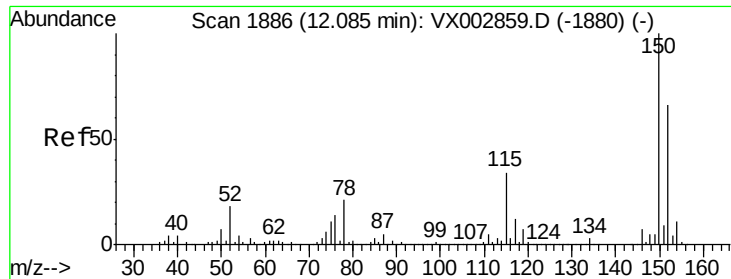
200000

100000

0

Time-->





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1885

Delta R.T. -0.01 min

Lab File: VX003235.D

Acq: 07 Jul 2018 01:34

Instrument :

MSVOA_X

ClientSampleId :

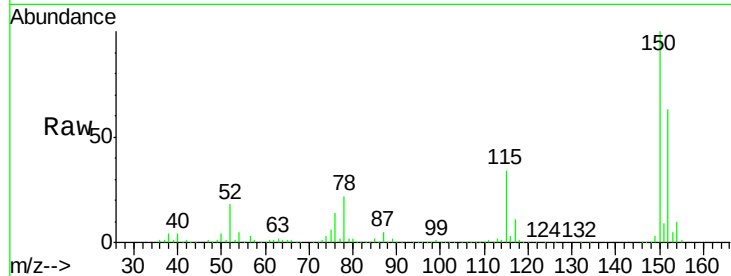
Tot Ion:152 Resp: 203906

Ion Ratio Lower Upper

152 100

115 53.3 40.1 120.2

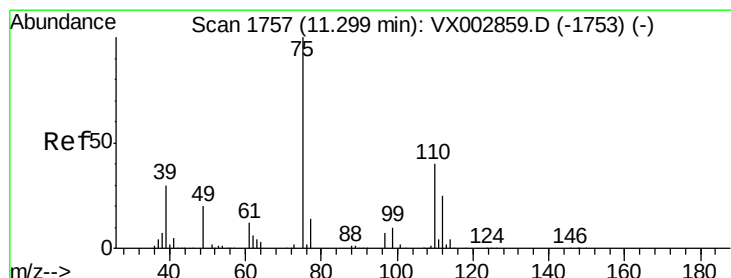
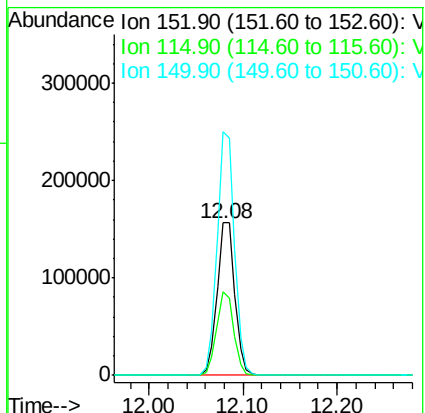
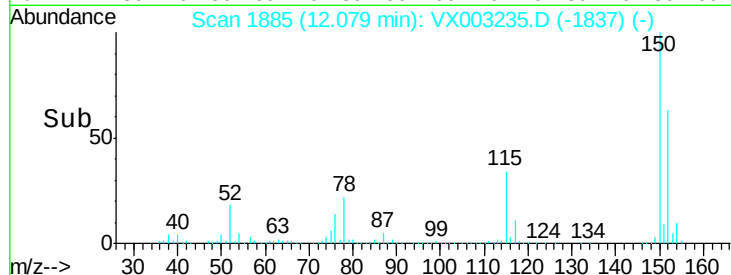
150 157.2 0.0 347.2



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: 24.89 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX003235.D

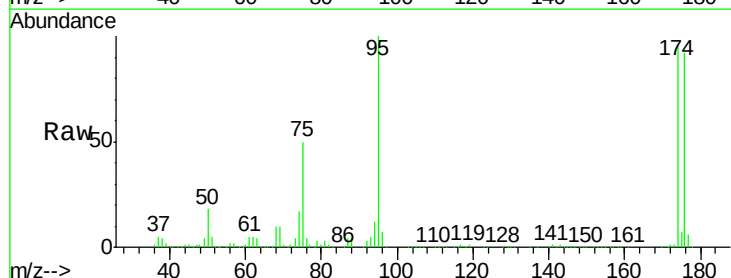
Acq: 07 Jul 2018 01:34

Tgt Ion: 75 Resp: 91927

Ion Ratio Lower Upper

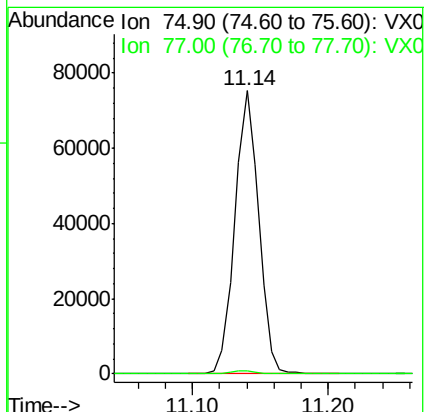
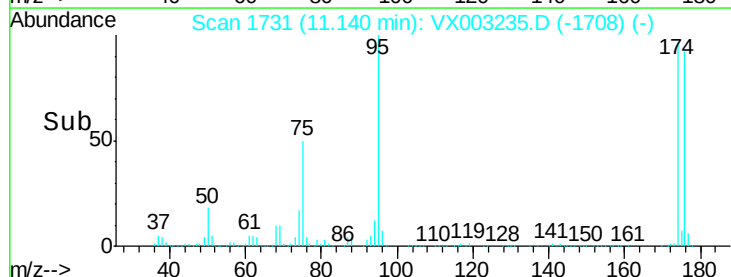
75 100

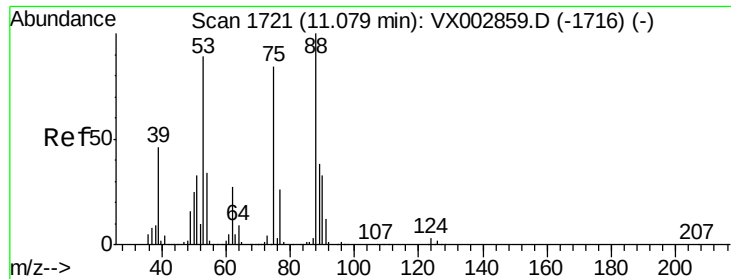
77 1.3 22.8 68.3#



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: 70.72 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. 0.06 min
 Lab File: VX003235.D
 Acq: 07 Jul 2018 01:34

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion: 75 Resp: 91927
 Ion Ratio Lower Upper
 75 100
 53 0.2 86.8 130.2#
 89 0.0 38.2 57.2#

