

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062818\
 Data File : VX003008.D
 Acq On : 29 Jun 2018 02:17
 Operator : JC/MD
 Sample : VX0628WBL03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0628WBL03

Quant Time: Jun 29 07:57:24 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	287217	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	405572	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	370673	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	208307	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	189334	47.69	ug/l	0.00
Spiked Amount			Recovery	=	95.38%	
35) Dibromofluoromethane	5.51	113	154615	48.14	ug/l	0.00
Spiked Amount			Recovery	=	96.28%	
50) Toluene-d8	8.72	98	561920	47.91	ug/l	0.00
Spiked Amount			Recovery	=	95.82%	
62) 4-Bromofluorobenzene	11.14	95	199367	44.08	ug/l	0.00
Spiked Amount			Recovery	=	88.16%	

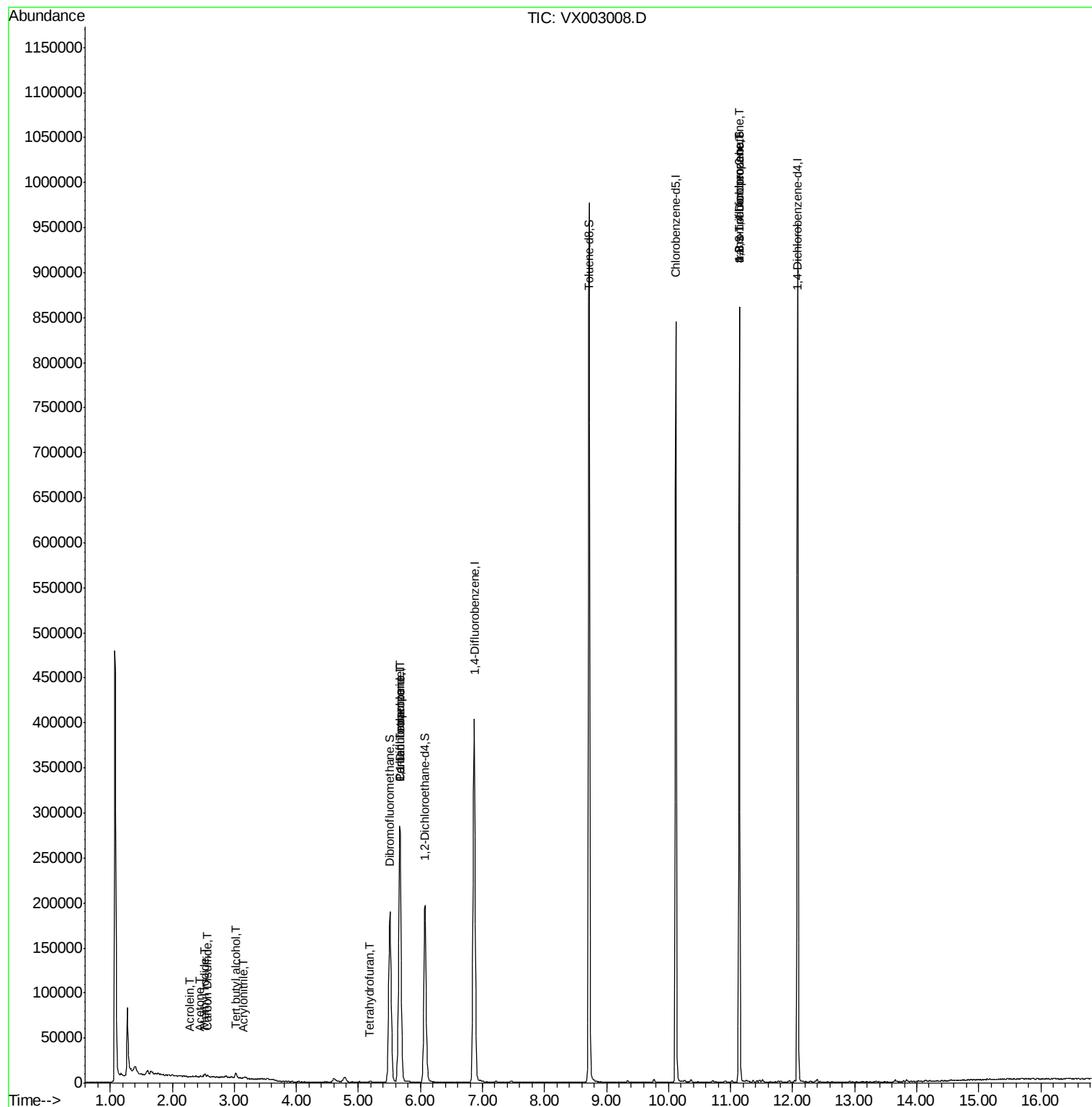
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	230	Below Cal		90
3) Chloromethane	1.33	50	928	Below Cal		97
5) Bromomethane	1.65	94	2252	Below Cal		90
6) Chloroethane	1.73	64	877	Below Cal	#	43
10) Methyl Iodide	2.53	142	3772	7.25	ug/l	98
11) Tert butyl alcohol	3.02	59	3245	4.10	ug/l	# 90
13) Acrolein	2.29	56	169	4.61	ug/l	# 14
15) Acrylonitrile	3.14	53	644	0.38	ug/l	# 56
16) Acetone	2.45	43	806	0.49	ug/l	# 82
17) Carbon Disulfide	2.57	76	2184	0.29	ug/l	# 89
29) Tetrahydrofuran	5.18	42	693	0.44	ug/l	# 88
36) 1,1-Dichloropropene	5.67	75	18835	4.23	ug/l	# 52
38) Carbon Tetrachloride	5.67	117	26055	5.34	ug/l	# 16
76) 1,2,3-Trichloropropane	11.14	75	102962	27.29	ug/l	# 33
81) trans-1,4-Dichloro-2-buten	11.14	75	102962	77.21	ug/l	# 7

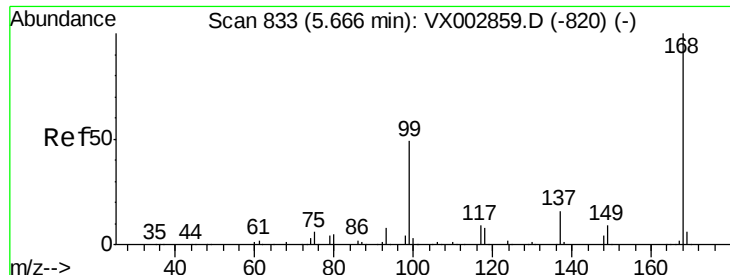
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX062818\
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Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 34 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0628WBL03

Quant Time: Jun 29 03:09:16 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X062518W.M
Quant Title : SW846 8260
QLast Update : Mon Jun 25 14:38:05 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.00 min

Lab File: VX003008.D

Acq: 29 Jun 2018 02:17

Instrument :

MSVOA_X

ClientSampleId :

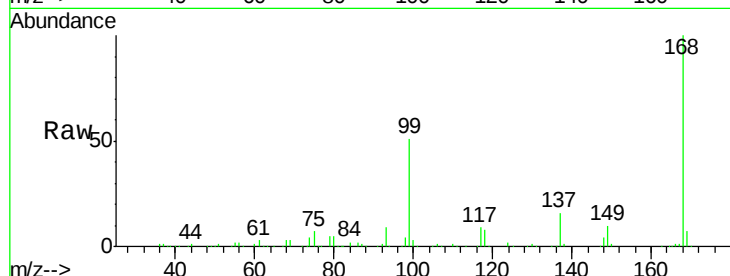
VX0628WBL03

Tot Ion:168 Resp: 287217

Ion Ratio Lower Upper

168 100

99 51.2 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

120000

100000

80000

60000

40000

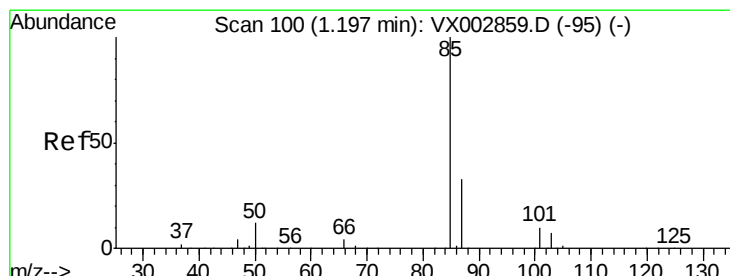
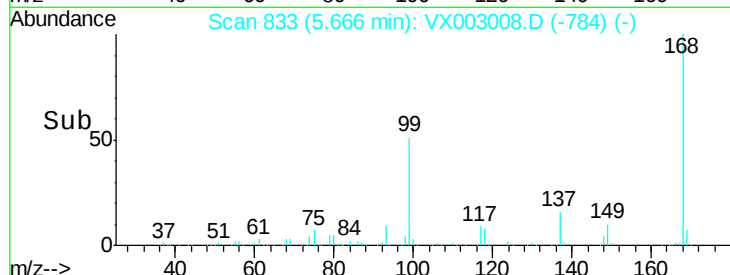
20000

0

5.67

5.60 5.65 5.70 5.75 5.80

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX003008.D

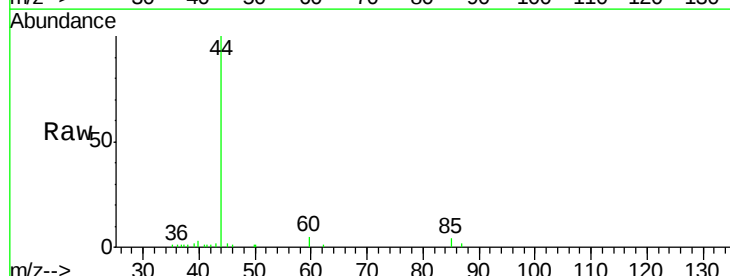
Acq: 29 Jun 2018 02:17

Tgt Ion: 85 Resp: 230

Ion Ratio Lower Upper

85 100

87 37.7 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

300

200

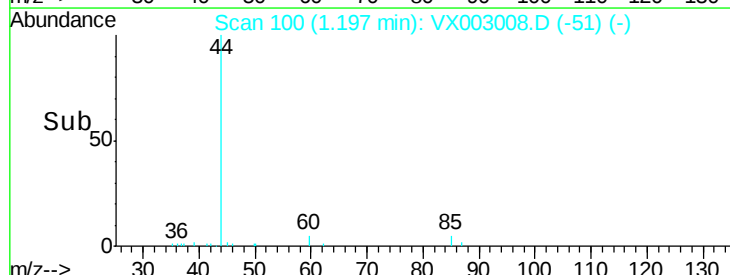
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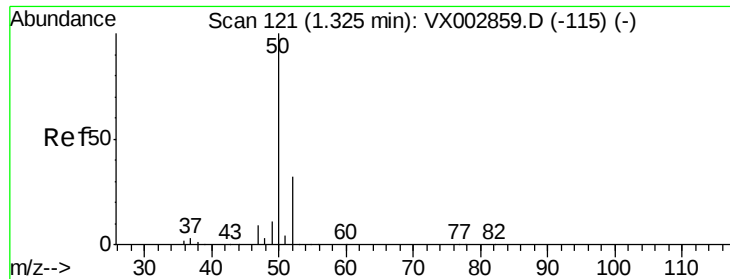
0

1.20

1.16 1.18 1.20 1.22

Time-->





#3

Chloromethane

Concen: Below Cal

RT: 1.33 min Scan# 122

Delta R.T. 0.01 min

Lab File: VX003008.D

Acq: 29 Jun 2018 02:17

Instrument :

MSVOA_X

ClientSampleId :

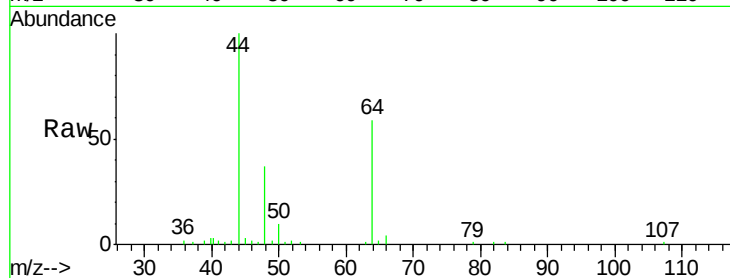
VX0628WBL03

Tot Ion: 50 Resp: 928

Ion Ratio Lower Upper

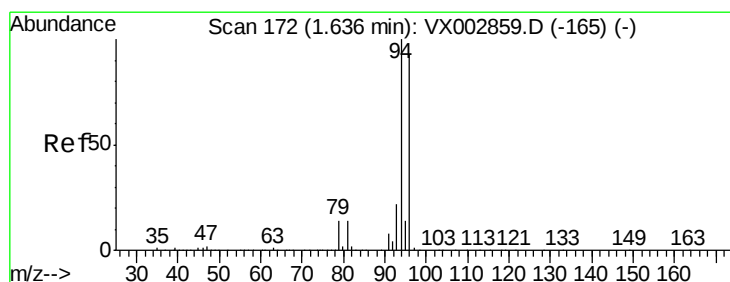
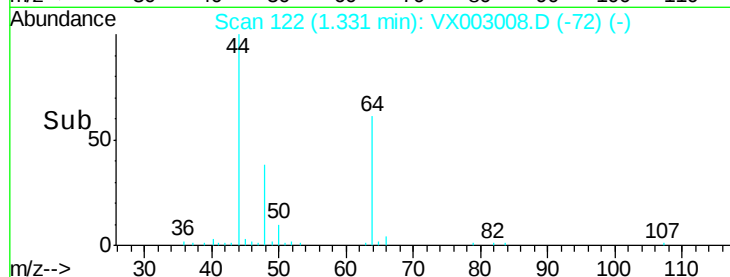
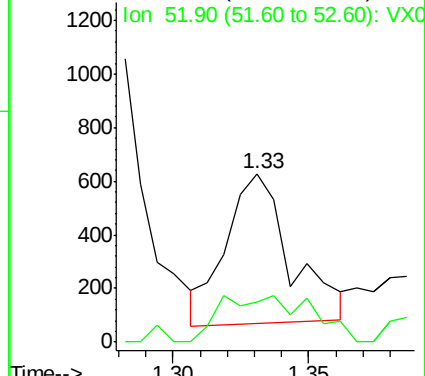
50 100

52 33.8 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: 1.65 min Scan# 174

Delta R.T. 0.01 min

Lab File: VX003008.D

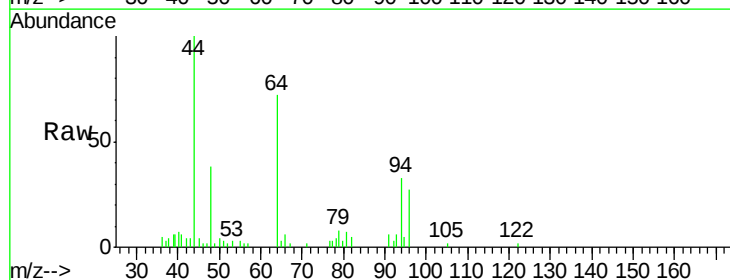
Acq: 29 Jun 2018 02:17

Tgt Ion: 94 Resp: 2252

Ion Ratio Lower Upper

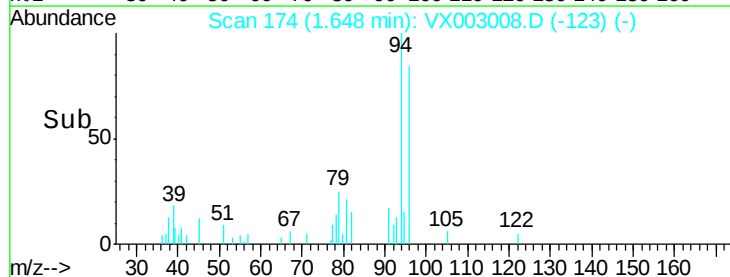
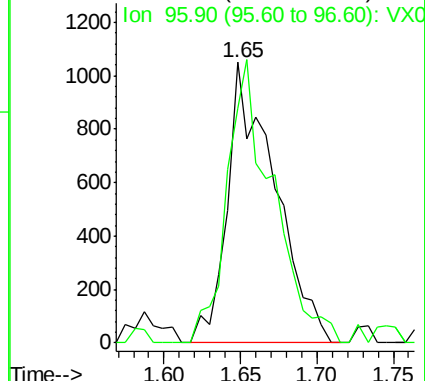
94 100

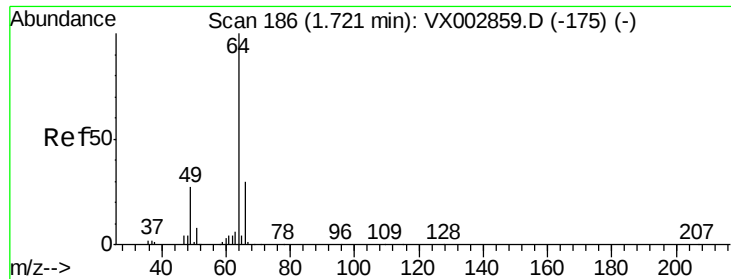
96 83.5 74.9 112.3



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: 1.73 min Scan# 187

Delta R.T. 0.01 min

Lab File: VX003008.D

Acq: 29 Jun 2018 02:17

Instrument :

MSVOA_X

ClientSampleId :

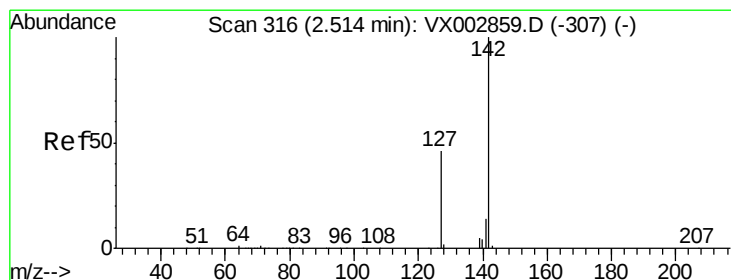
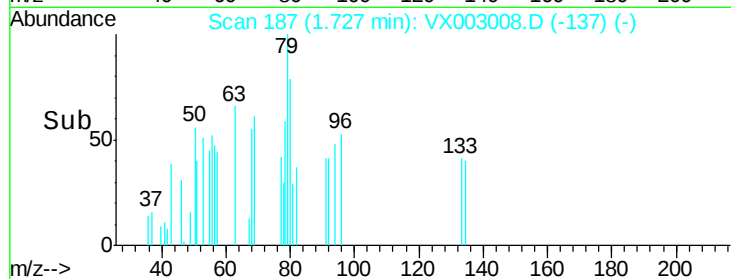
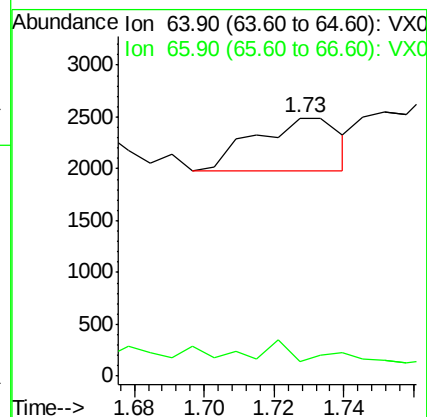
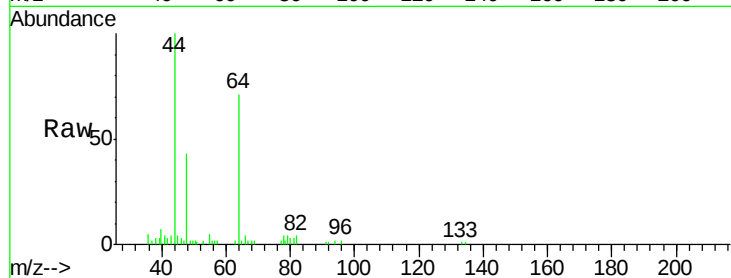
VX0628WBL03

Tot Ion: 64 Resp: 877

Ion Ratio Lower Upper

64 100

66 0.0 25.5 38.3#



#10

Methyl Iodide

Concen: 7.25 ug/l

RT: 2.53 min Scan# 318

Delta R.T. 0.01 min

Lab File: VX003008.D

Acq: 29 Jun 2018 02:17

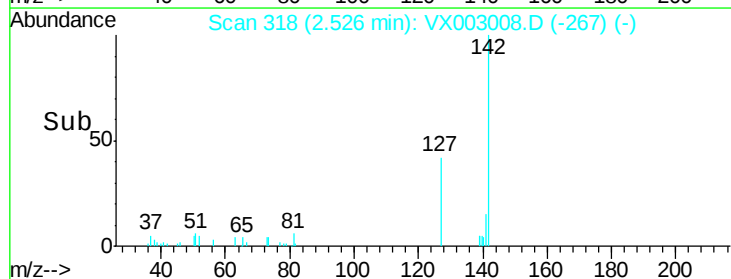
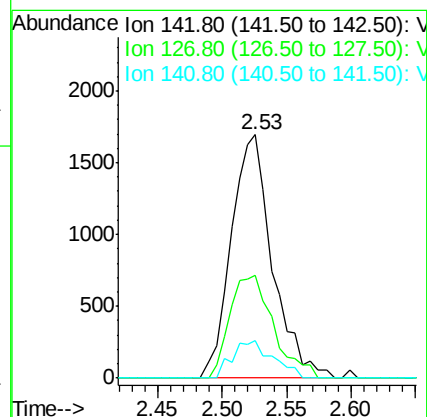
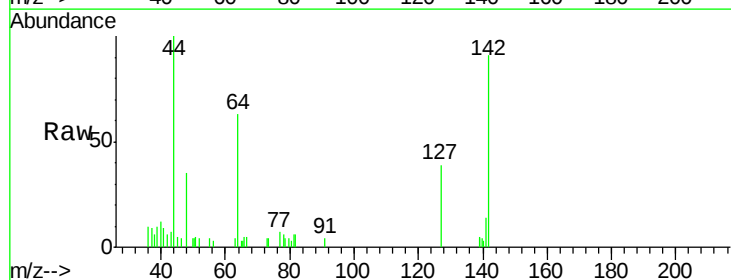
Tgt Ion: 142 Resp: 3772

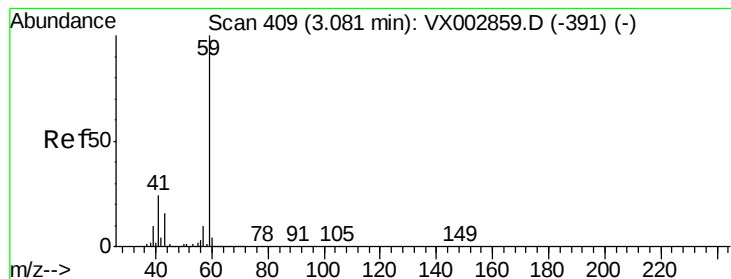
Ion Ratio Lower Upper

142 100

127 44.7 36.6 55.0

141 15.0 11.3 16.9



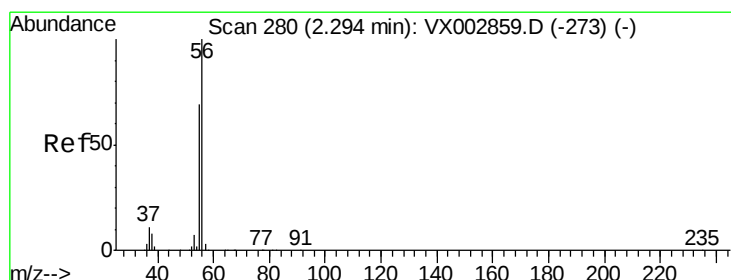
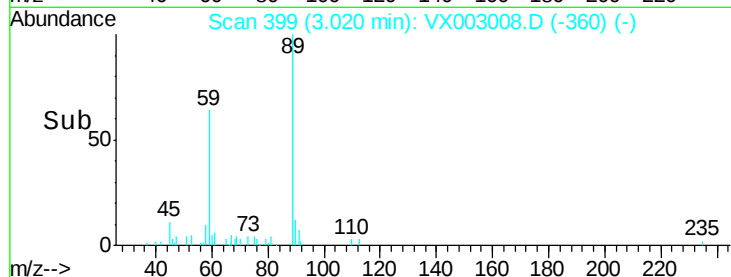
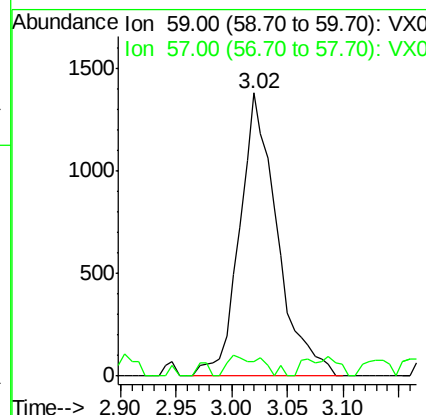
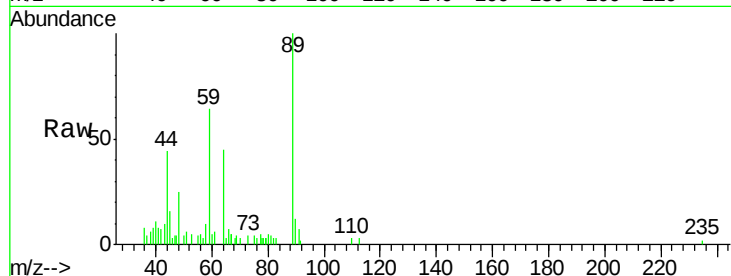


#11

Tert butyl alcohol
 Concen: 4.10 ug/l
 RT: 3.02 min Scan# 399
 Delta R.T. -0.06 min
 Lab File: VX003008.D
 Acq: 29 Jun 2018 02:17

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0628WBL03

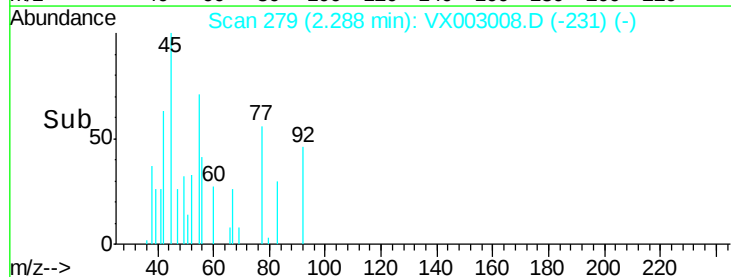
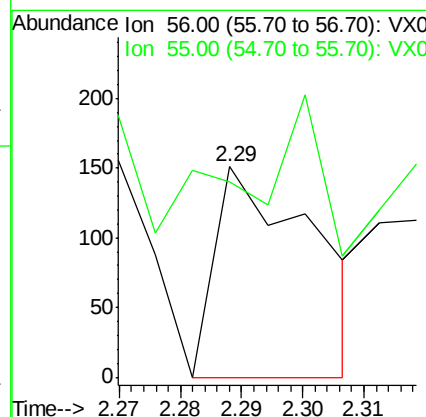
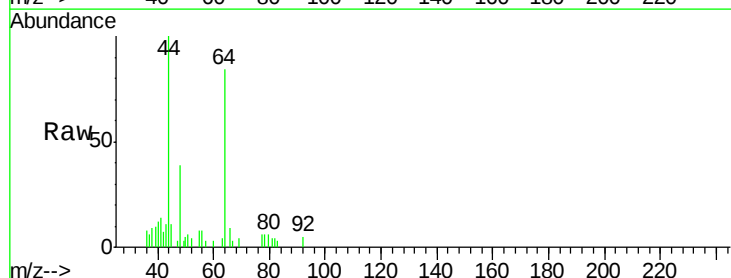
Tot Ion: 59 Resp: 3245
 Ion Ratio Lower Upper
 59 100
 57 6.7 8.2 12.2#

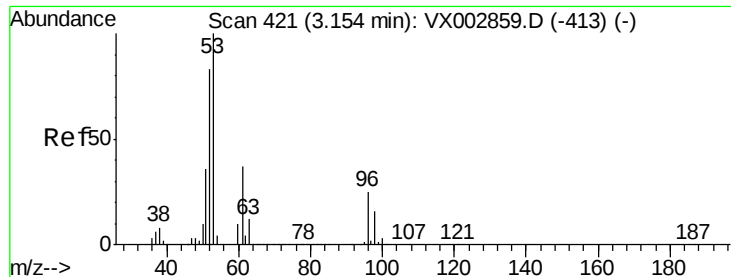


#13

Acrolein
 Concen: 4.61 ug/l
 RT: 2.29 min Scan# 279
 Delta R.T. -0.01 min
 Lab File: VX003008.D
 Acq: 29 Jun 2018 02:17

Tgt Ion: 56 Resp: 169
 Ion Ratio Lower Upper
 56 100
 55 0.0 57.0 85.4#





#15

Acrylonitrile

Concen: 0.38 ug/l

RT: 3.14 min Scan# 418

Delta R.T. -0.02 min

Lab File: VX003008.D

Acq: 29 Jun 2018 02:17

Instrument :

MSVOA_X

ClientSampled :

VX0628WBL03

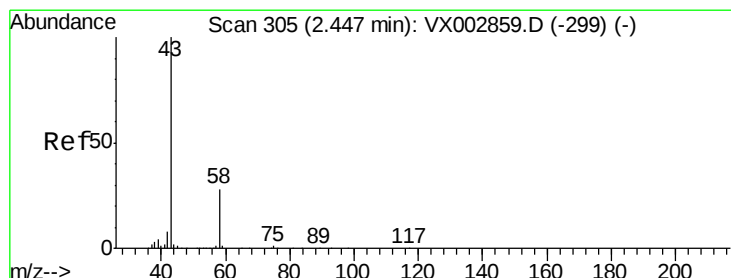
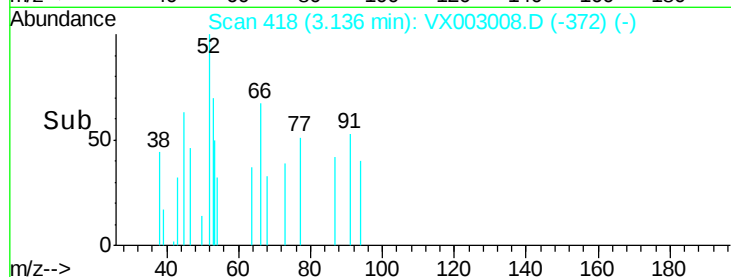
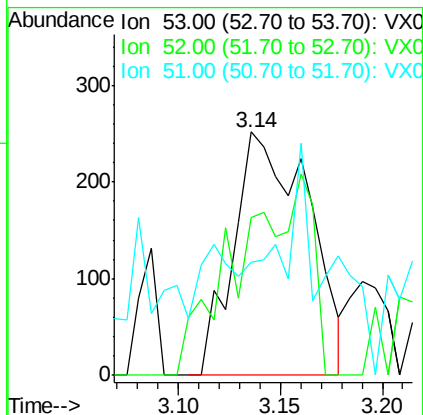
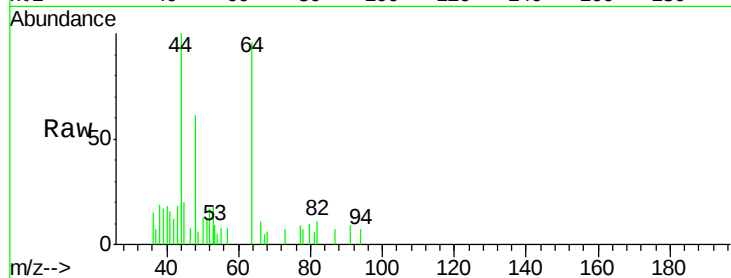
Tot Ion: 53 Resp: 644

Ion Ratio Lower Upper

53 100

52 51.2 66.7 100.1#

51 0.0 29.9 44.9#



#16

Acetone

Concen: 0.49 ug/l

RT: 2.45 min Scan# 305

Delta R.T. -0.00 min

Lab File: VX003008.D

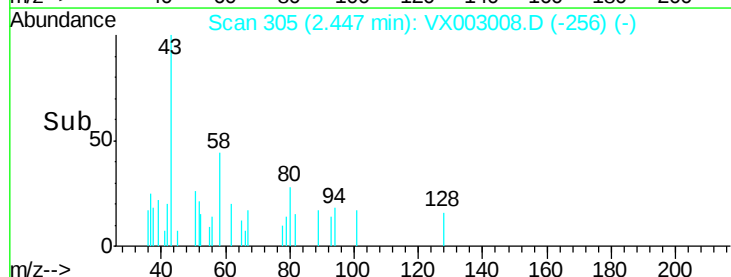
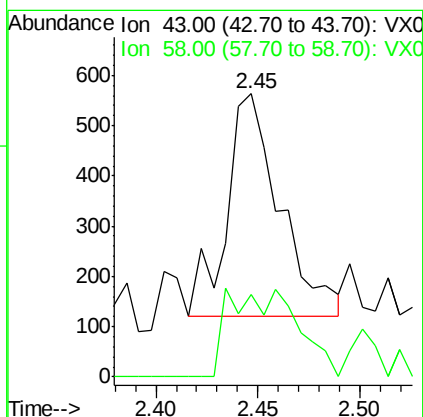
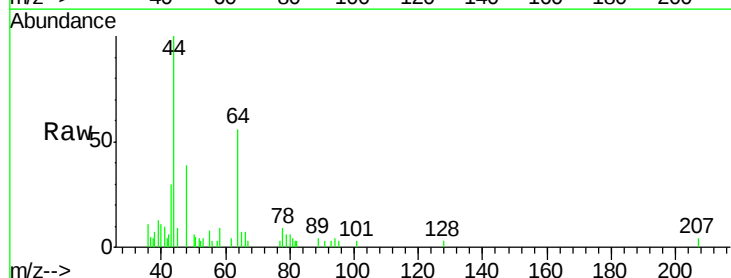
Acq: 29 Jun 2018 02:17

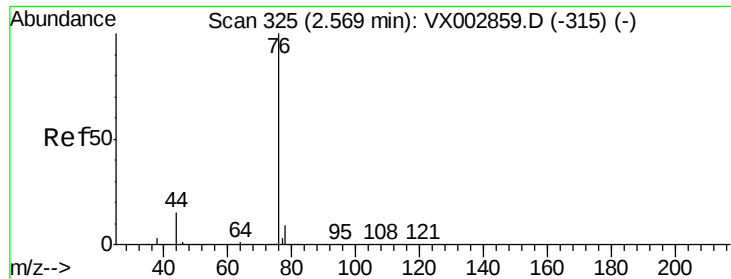
Tgt Ion: 43 Resp: 806

Ion Ratio Lower Upper

43 100

58 37.2 22.1 33.1#

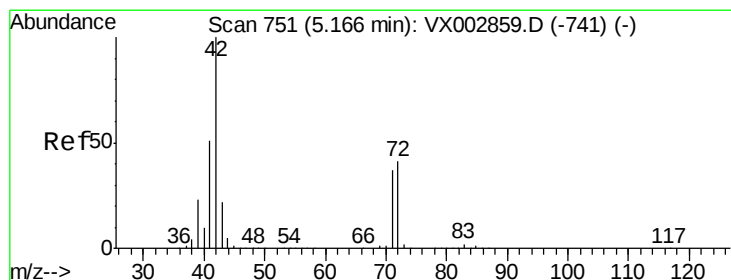
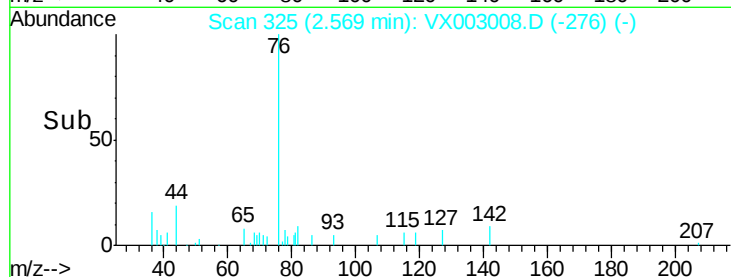
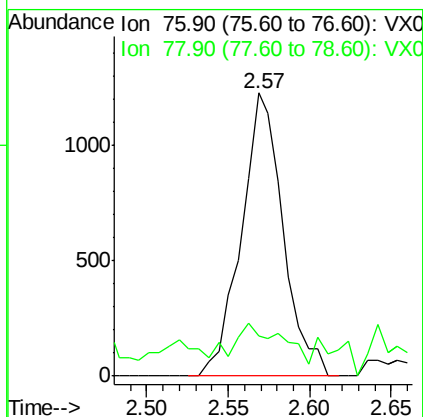
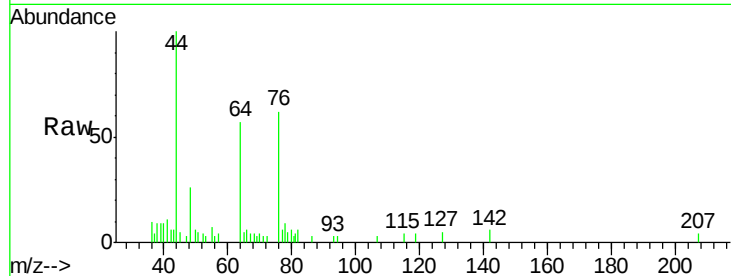




#17
Carbon Disulfide
Concen: 0.29 ug/l
RT: 2.57 min Scan# 325
Delta R.T. -0.00 min
Lab File: VX003008.D
Acq: 29 Jun 2018 02:17

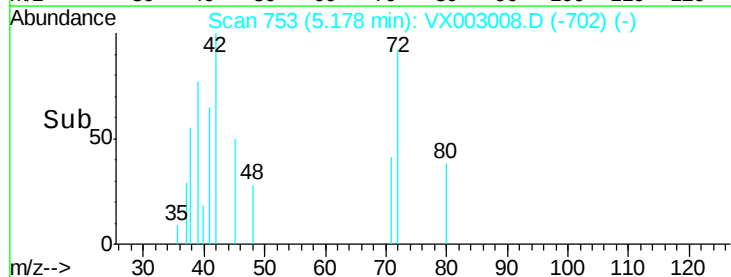
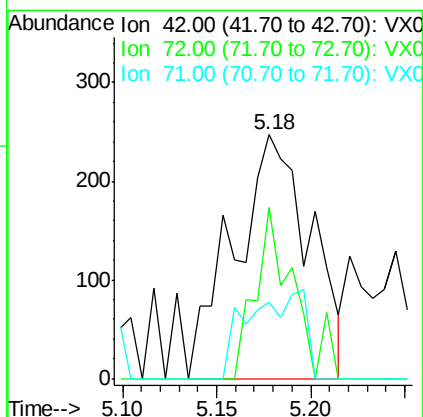
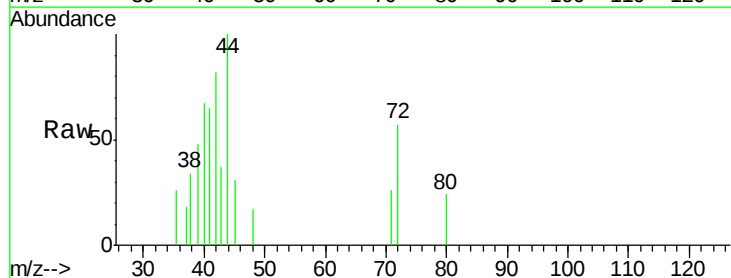
Instrument :
MSVOA_X
ClientSampled :
VX0628WBL03

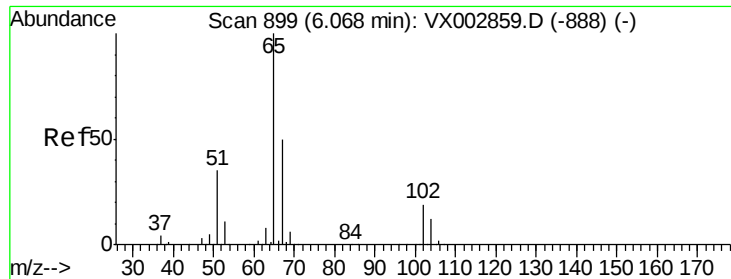
Tot Ion: 76 Resp: 2184
Ion Ratio Lower Upper
76 100
78 4.8 6.9 10.3#



#29
Tetrahydrofuran
Concen: 0.44 ug/l
RT: 5.18 min Scan# 753
Delta R.T. 0.01 min
Lab File: VX003008.D
Acq: 29 Jun 2018 02:17

Tgt Ion: 42 Resp: 693
Ion Ratio Lower Upper
42 100
72 35.4 32.0 48.0
71 27.0 30.1 45.1#

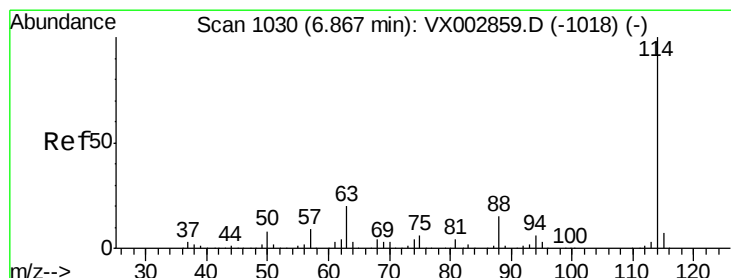
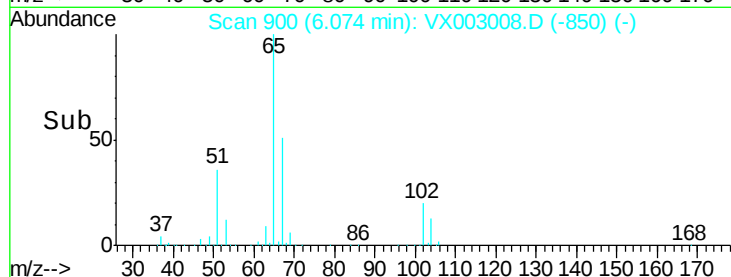
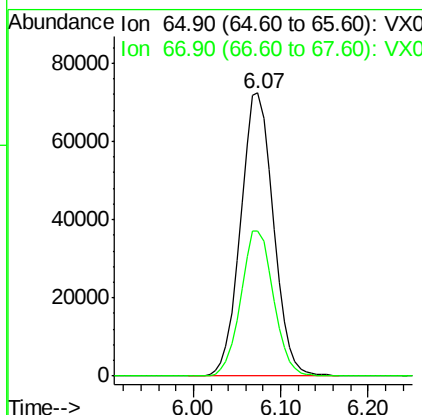
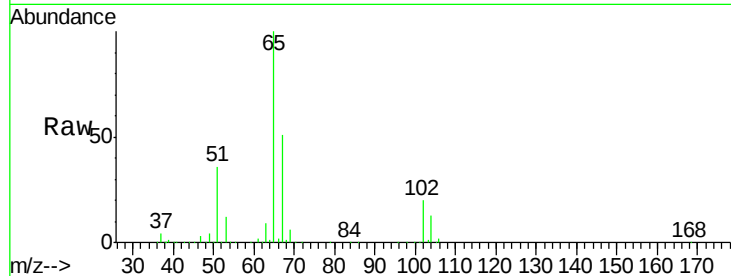




#33
 1,2-Dichloroethane-d4
 Concen: 47.69 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.01 min
 Lab File: VX003008.D
 Acq: 29 Jun 2018 02:17

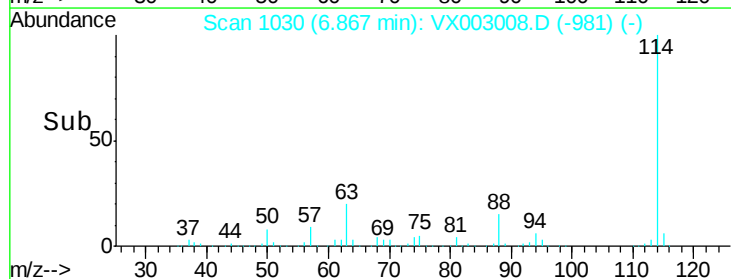
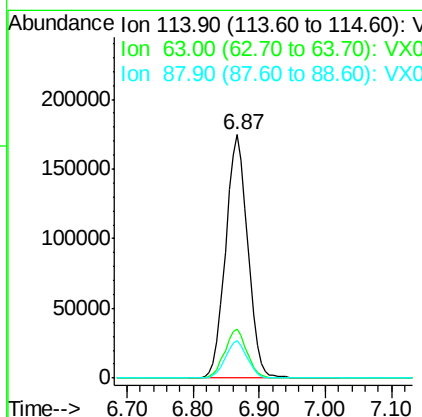
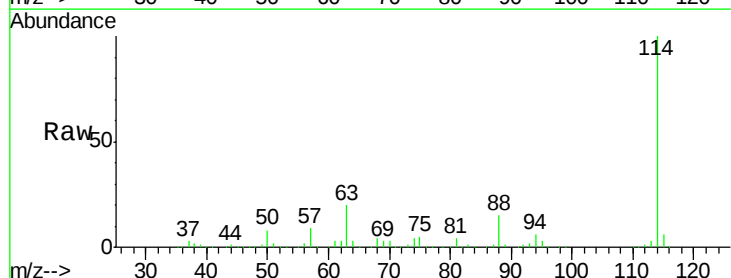
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0628WBL03

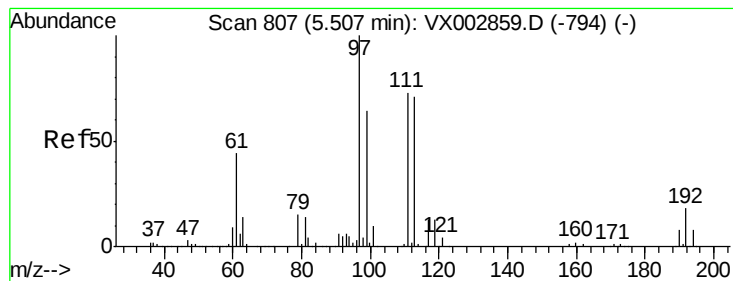
Tot Ion: 65 Resp: 189334
 Ion Ratio Lower Upper
 65 100
 67 51.0 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. -0.00 min
 Lab File: VX003008.D
 Acq: 29 Jun 2018 02:17

Tgt Ion: 114 Resp: 405572
 Ion Ratio Lower Upper
 114 100
 63 20.1 0.0 41.4
 88 15.2 0.0 30.0





#35

Dibromofluoromethane

Concen: 48.14 ug/l

RT: 5.51 min Scan# 807

Delta R.T. 0.00 min

Lab File: VX003008.D

Acq: 29 Jun 2018 02:17

Instrument :

MSVOA_X

ClientSampled :

VX0628WBL03

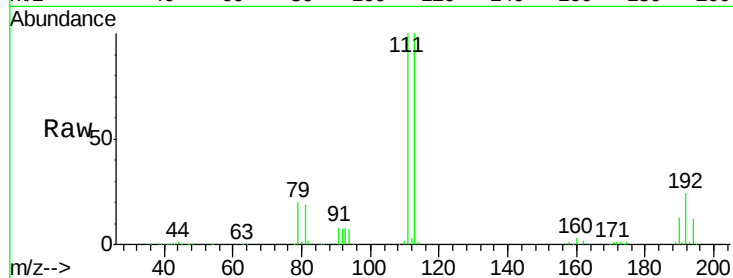
Tot Ion:113 Resp: 154615

Ion Ratio Lower Upper

113 100

111 101.2 81.4 122.0

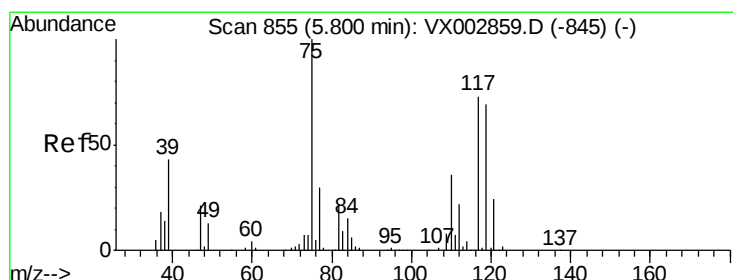
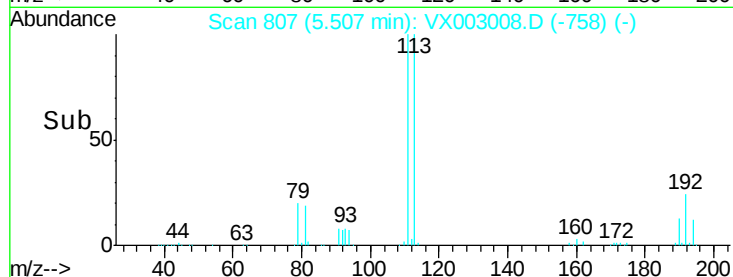
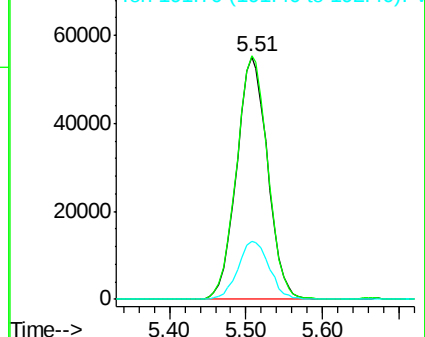
192 24.2 19.1 28.7



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: 4.23 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.13 min

Lab File: VX003008.D

Acq: 29 Jun 2018 02:17

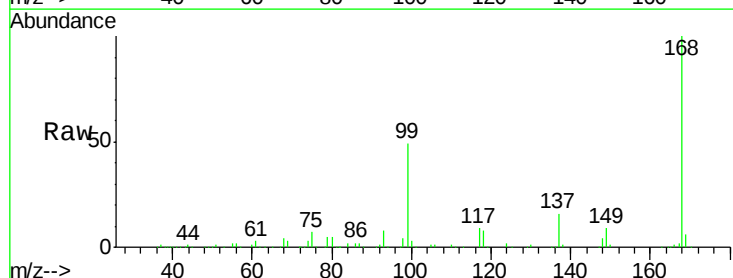
Tgt Ion: 75 Resp: 18835

Ion Ratio Lower Upper

75 100

110 11.2 18.1 54.4#

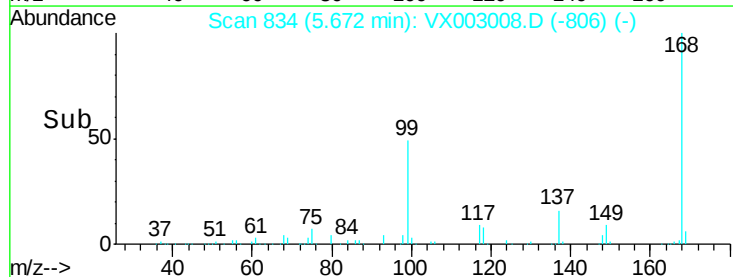
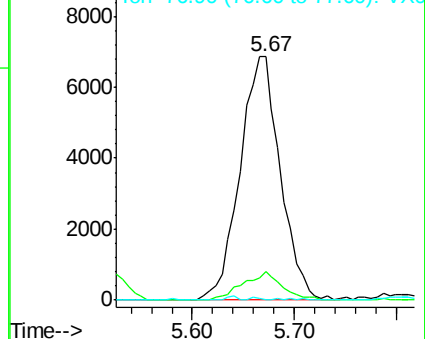
77 0.1 24.3 36.5#

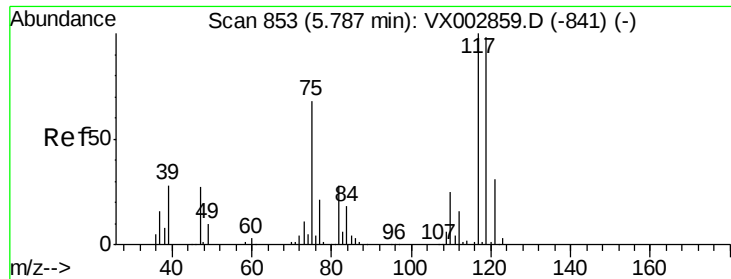


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

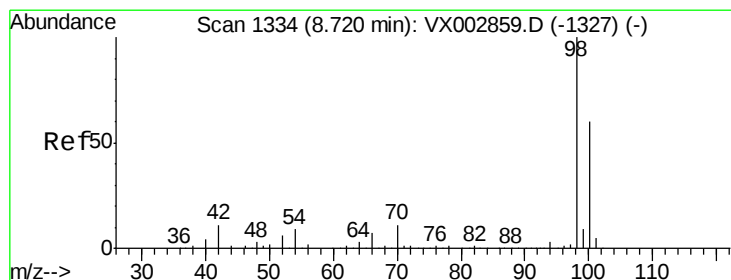
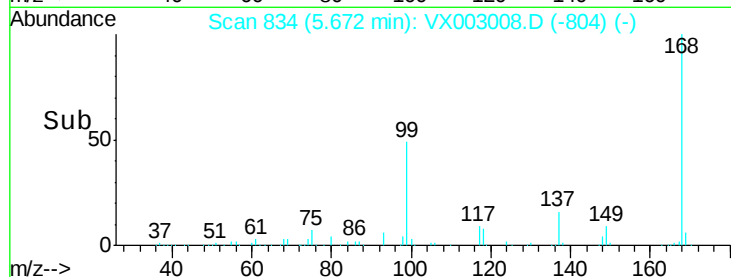
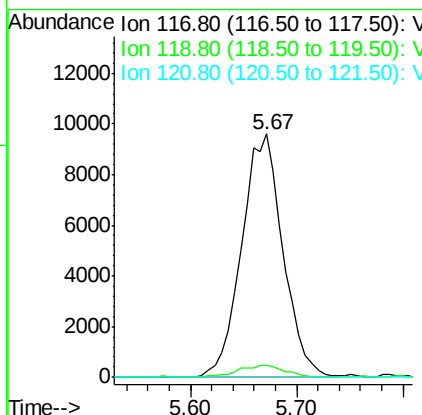
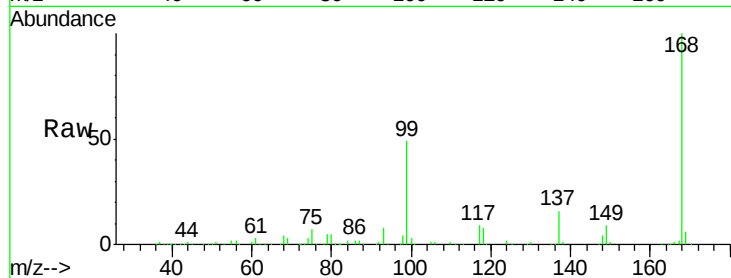




#38
Carbon Tetrachloride
Concen: 5.34 ug/l
RT: 5.67 min Scan# 834
Delta R.T. -0.12 min
Lab File: VX003008.D
Acq: 29 Jun 2018 02:17

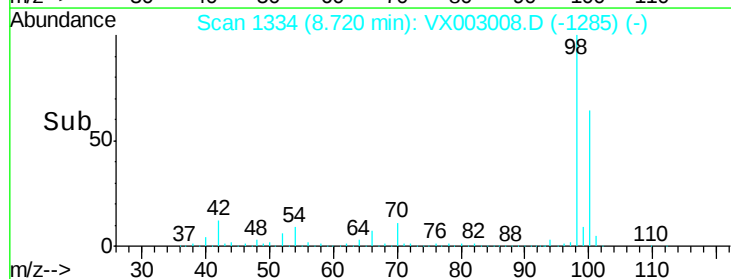
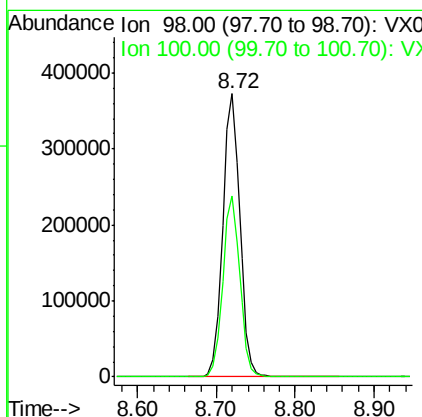
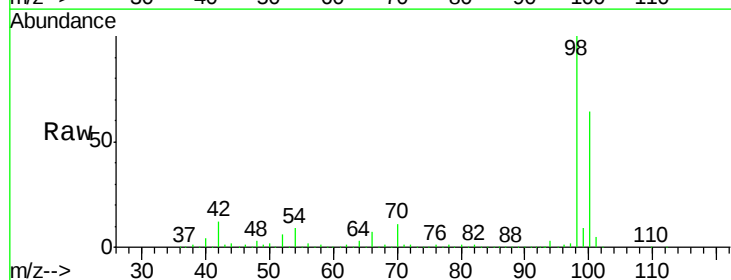
Instrument :
MSVOA_X
ClientSampleId :
VX0628WBL03

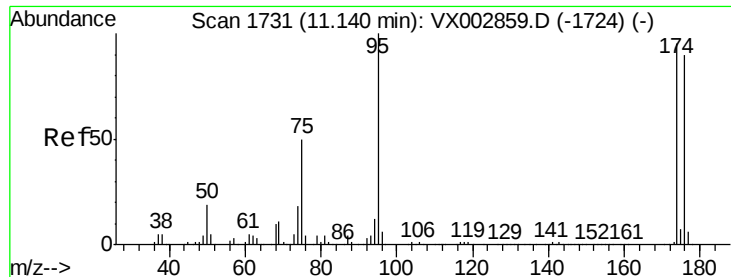
Tot Ion:117 Resp: 26055
Ion Ratio Lower Upper
117 100
119 5.0 77.4 116.0#
121 0.0 24.4 36.6#



#50
Toluene-d8
Concen: 47.91 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX003008.D
Acq: 29 Jun 2018 02:17

Tgt Ion: 98 Resp: 561920
Ion Ratio Lower Upper
98 100
100 63.5 50.9 76.3





#62

4-Bromofluorobenzene

Concen: 44.08 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX003008.D

Acq: 29 Jun 2018 02:17

Instrument :

MSVOA_X

ClientSampleId :

VX0628WBL03

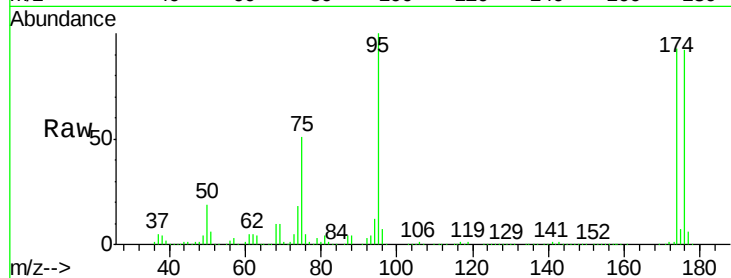
Tot Ion: 95 Resp: 199367

Ion Ratio Lower Upper

95 100

174 96.4 0.0 187.4

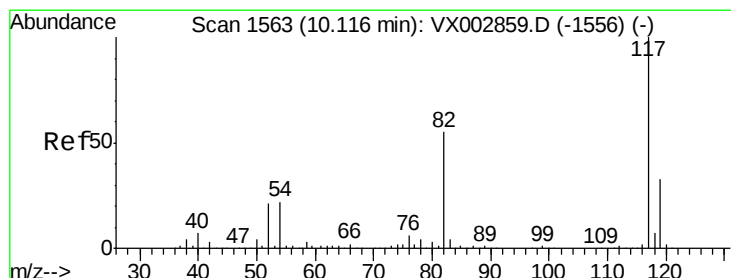
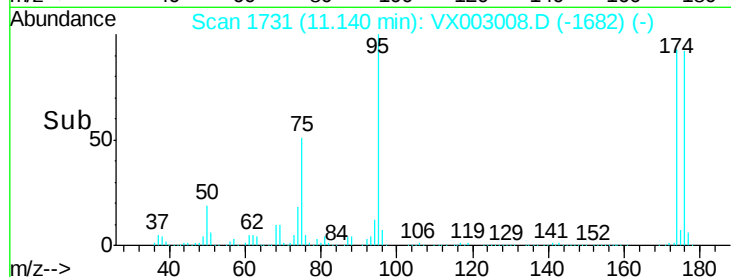
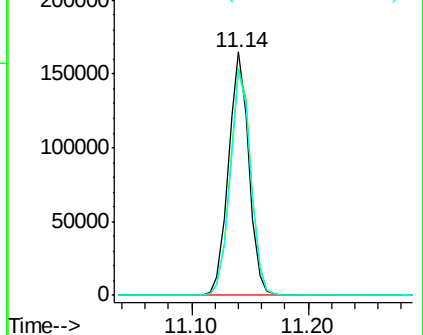
176 93.4 0.0 181.0



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# 1563

Delta R.T. -0.00 min

Lab File: VX003008.D

Acq: 29 Jun 2018 02:17

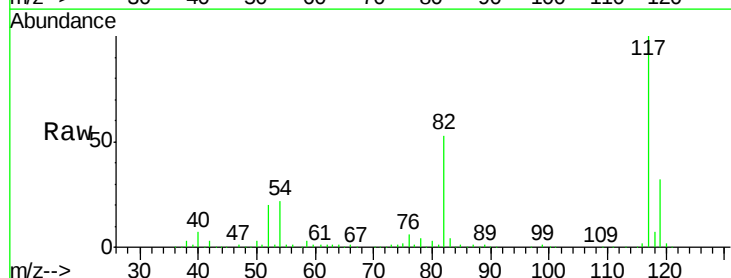
Tgt Ion: 117 Resp: 370673

Ion Ratio Lower Upper

117 100

82 53.4 45.0 67.4

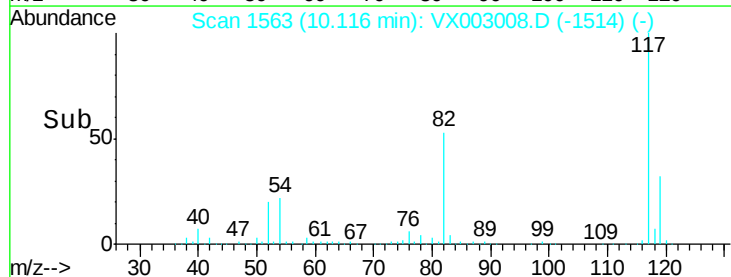
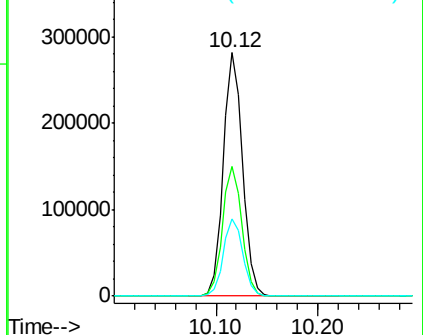
119 31.8 25.8 38.6

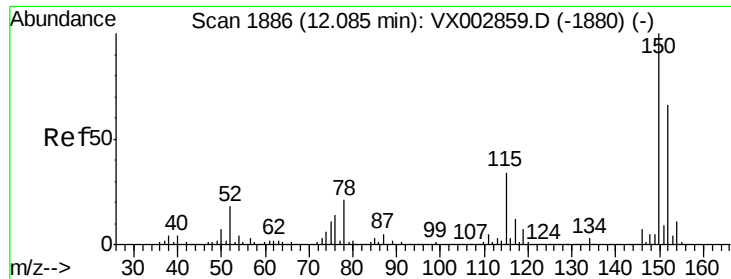


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VX003008.D

Acq: 29 Jun 2018 02:17

Instrument :

MSVOA_X

ClientSampleId :

VX0628WBL03

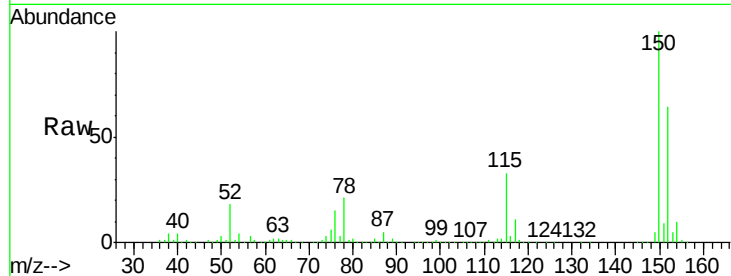
Tot Ion:152 Resp: 208307

Ion Ratio Lower Upper

152 100

115 54.6 40.1 120.2

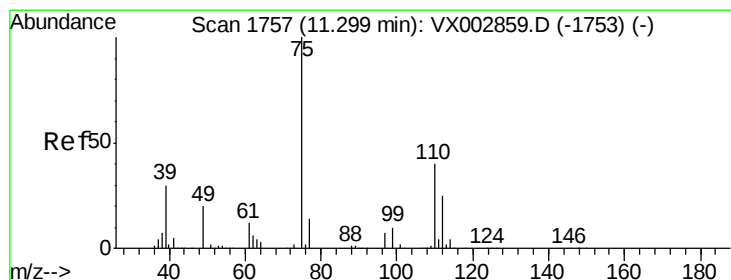
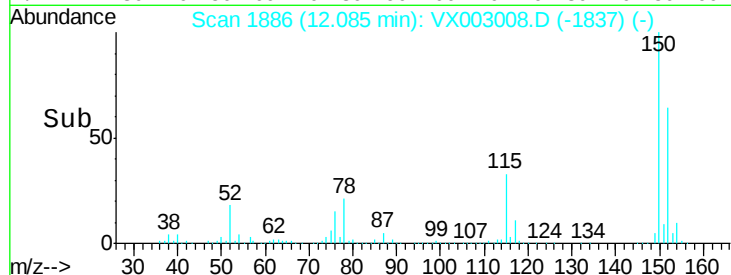
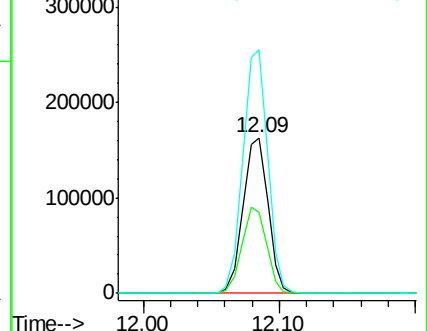
150 156.3 0.0 347.2



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: 27.29 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX003008.D

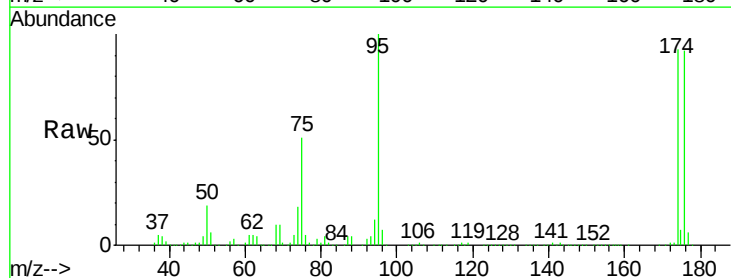
Acq: 29 Jun 2018 02:17

Tgt Ion: 75 Resp: 102962

Ion Ratio Lower Upper

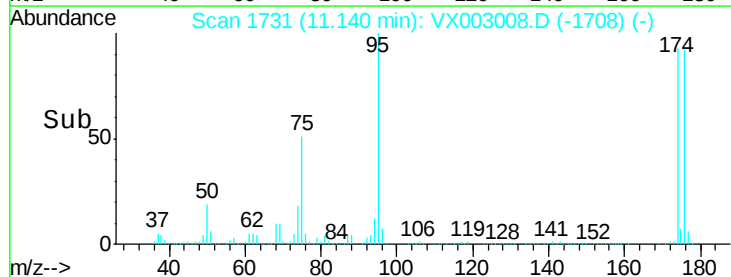
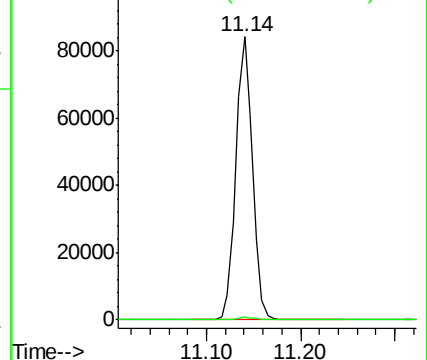
75 100

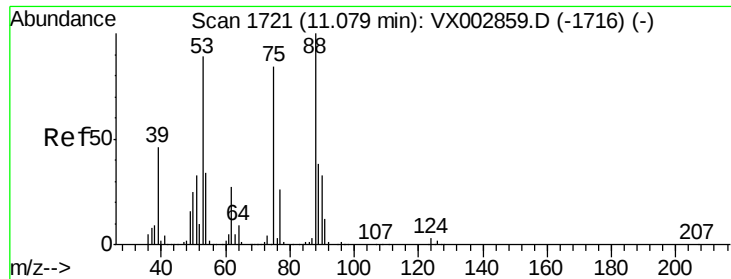
77 1.2 22.8 68.3#



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: 77.21 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX003008.D

Acq: 29 Jun 2018 02:17

Instrument :

MSVOA_X

ClientSampleId :

VX0628WBL03

Tot Ion: 75 Resp: 102962

Ion Ratio Lower Upper

75 100

53 0.2 86.8 130.2#

89 0.0 38.2 57.2#

