

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX110518\
 Data File : VX005777.D
 Acq On : 05 Nov 2018 14:44
 Operator : JC/MD
 Sample : J5665-04ME
 Misc : 3.66g/10mL/100uL/5.0mL/MSVOA_X/MEOH
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Nov 06 00:44:36 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X103118W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 31 18:23:06 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	153194	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	253542	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	233322	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	100025	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	111364	49.72	ug/l	0.00
Spiked Amount			Recovery	=	99.44%	
35) Dibromofluoromethane	5.51	113	85580	48.75	ug/l	0.00
Spiked Amount			Recovery	=	97.50%	
50) Toluene-d8	8.71	98	292483	47.50	ug/l	0.00
Spiked Amount			Recovery	=	95.00%	
62) 4-Bromofluorobenzene	11.14	95	94676	41.66	ug/l	0.00
Spiked Amount			Recovery	=	83.32%	

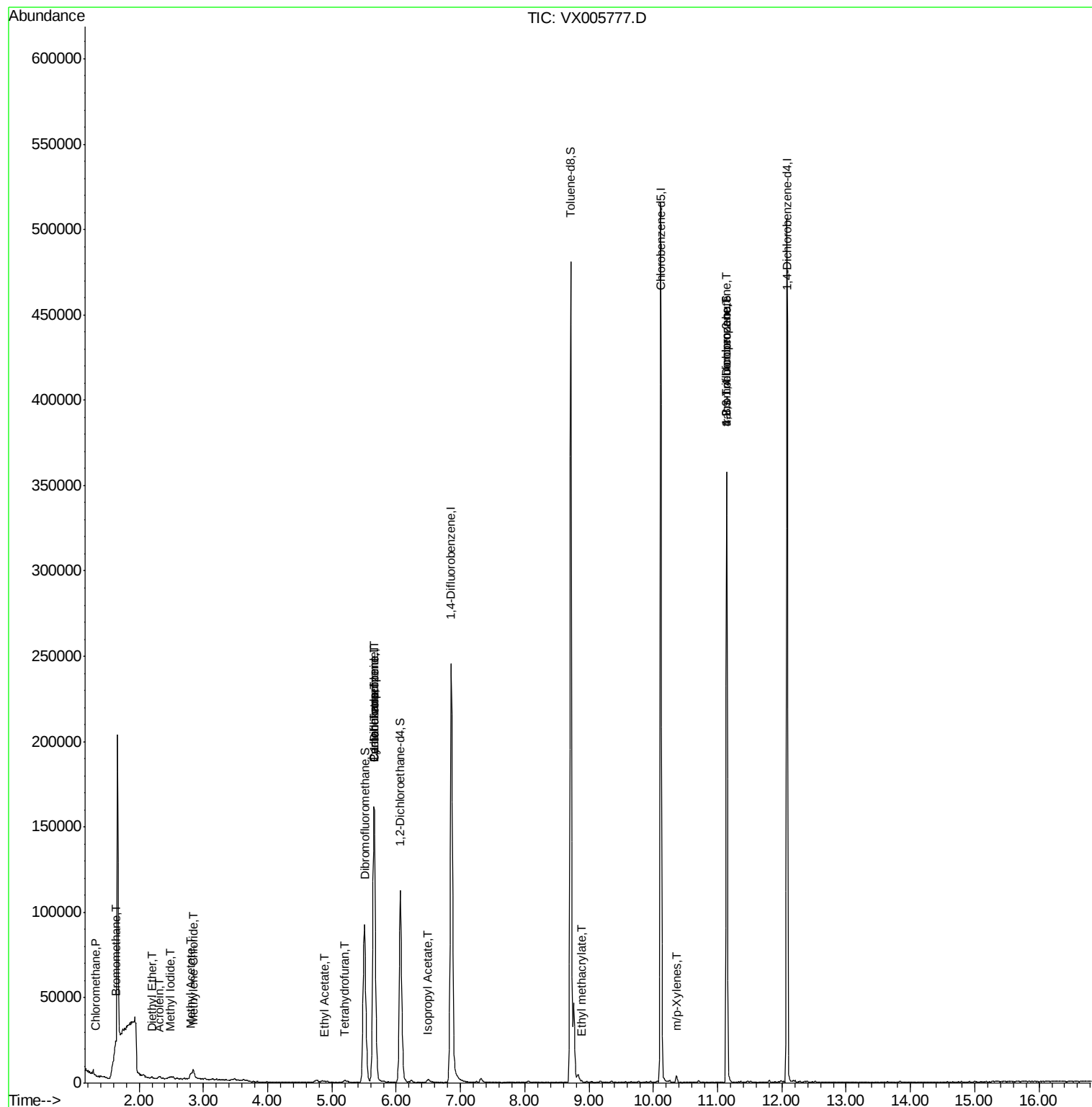
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	546	0.262	ug/l #	54
5) Bromomethane	1.64	94	1974	0.733	ug/l	83
6) Chloroethane	1.69	64	67	Below Cal		91
8) Diethyl Ether	2.20	74	384	0.306	ug/l	76
10) Methyl Iodide	2.48	142	557	2.265	ug/l #	85
13) Acrolein	2.31	56	27	12.242	ug/l #	1
16) Acetone	2.44	43	52	Below Cal	#	45
18) Methyl Acetate	2.80	43	5402	1.681	ug/l #	90
20) Methylene Chloride	2.85	84	2505	1.297	ug/l #	81
29) Tetrahydrofuran	5.20	42	1112	0.964	ug/l #	77
31) Cyclohexane	5.65	56	3669	1.226	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	12757	4.723	ug/l #	49
37) Ethyl Acetate	4.89	43	815	0.236	ug/l #	69
38) Carbon Tetrachloride	5.66	117	15070	6.175	ug/l #	17
43) Isopropyl Acetate	6.49	43	1236	0.247	ug/l #	63
56) Ethyl methacrylate	8.90	69	22	2.477	ug/l #	22
68) m/p-Xylenes	10.36	106	910	0.289	ug/l	87
76) 1,2,3-Trichloropropane	11.14	75	49661	19.934	ug/l #	36
81) trans-1,4-Dichloro-2-buten	11.14	75	49661	64.406	ug/l #	9

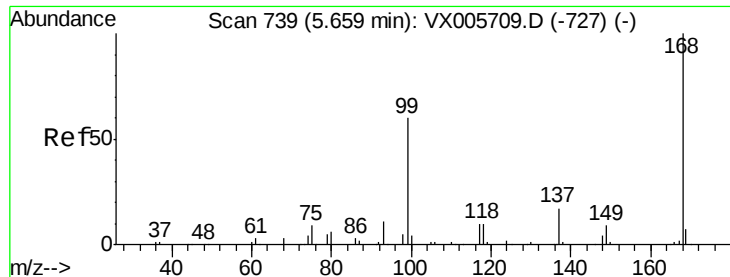
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.00 min

Lab File: VX005777.D

Acq: 05 Nov 2018 14:44

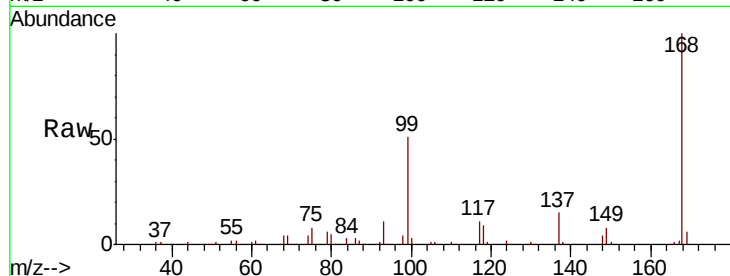
Instrument :
MSVOA_X
ClientSampled :

Tot Ion:168 Resp: 153194

Ion Ratio Lower Upper

168 100

99 51.4 40.7 61.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

60000

50000

40000

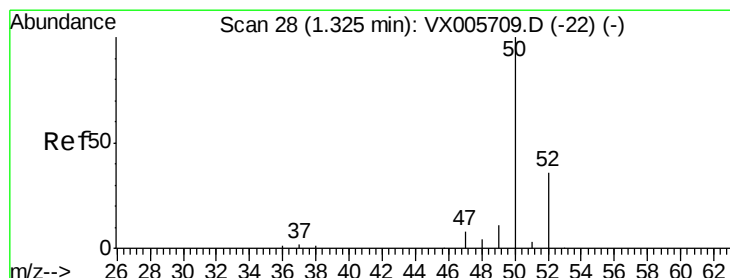
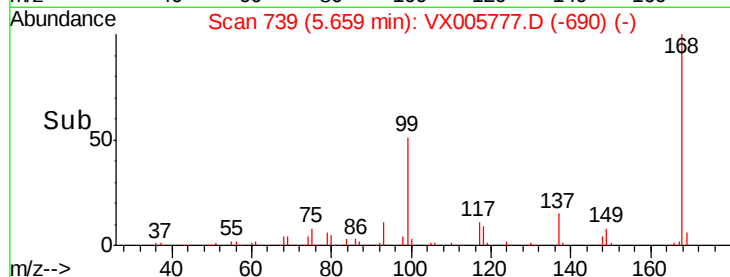
30000

20000

10000

0

Time-->



#3

Chloromethane

Concen: 0.262 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX005777.D

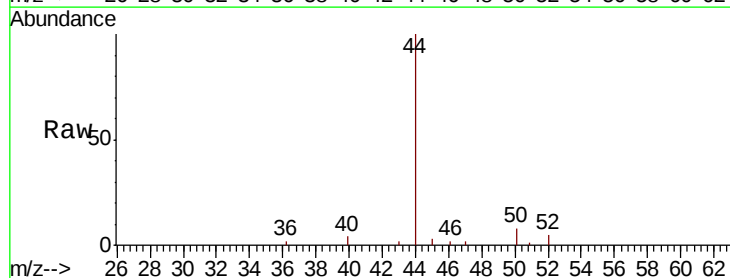
Acq: 05 Nov 2018 14:44

Tgt Ion: 50 Resp: 546

Ion Ratio Lower Upper

50 100

52 58.7 26.2 39.2#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

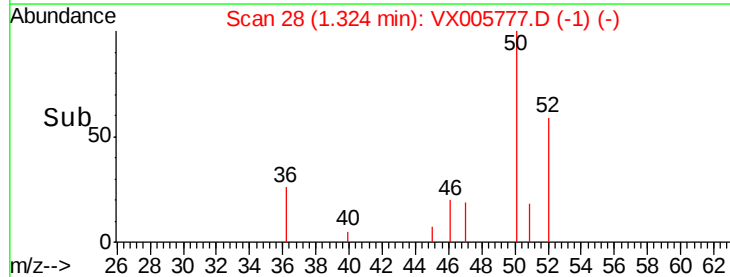
300

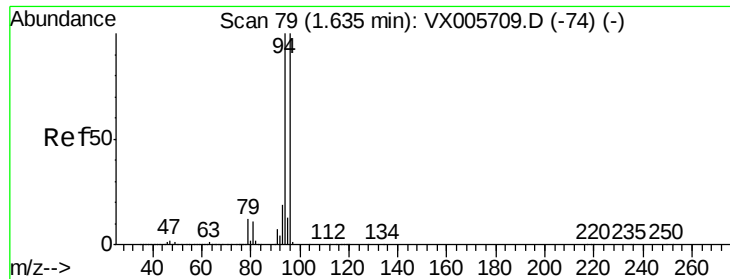
200

100

0

Time-->





#5

Bromomethane

Concen: 0.733 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.00 min

Lab File: VX005777.D

Acq: 05 Nov 2018 14:44

Instrument :

MSVOA_X

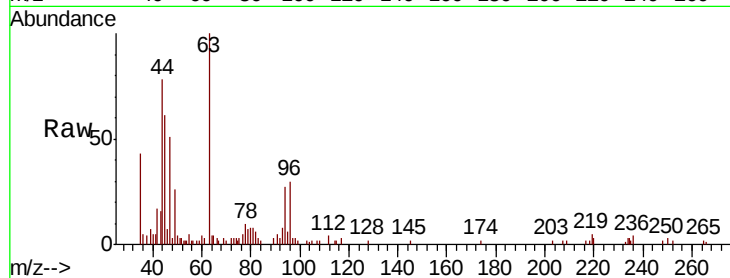
ClientSampleId :

Tot Ion: 94 Resp: 1974

Ion Ratio Lower Upper

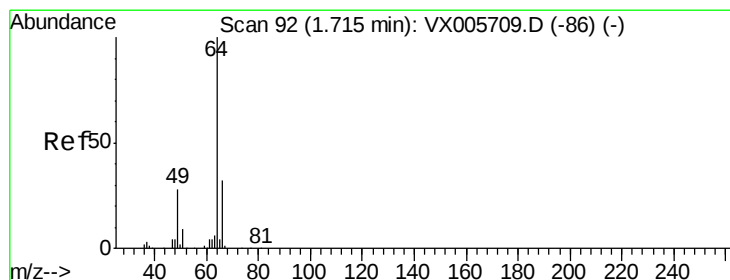
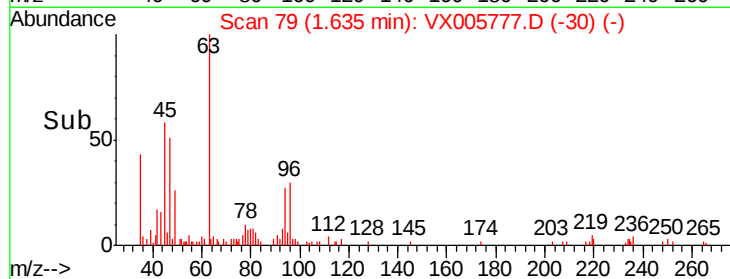
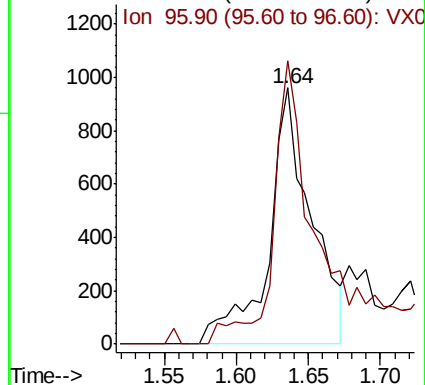
94 100

96 110.5 75.2 112.8



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# 88

Delta R.T. -0.02 min

Lab File: VX005777.D

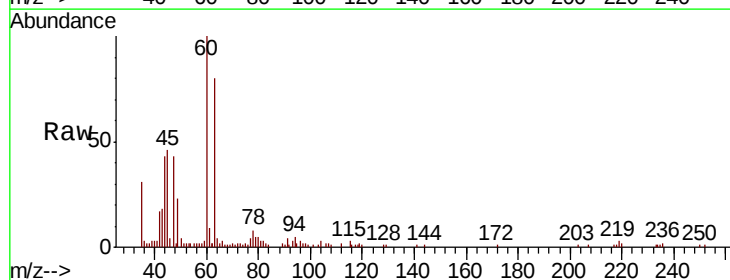
Acq: 05 Nov 2018 14:44

Tgt Ion: 64 Resp: 67

Ion Ratio Lower Upper

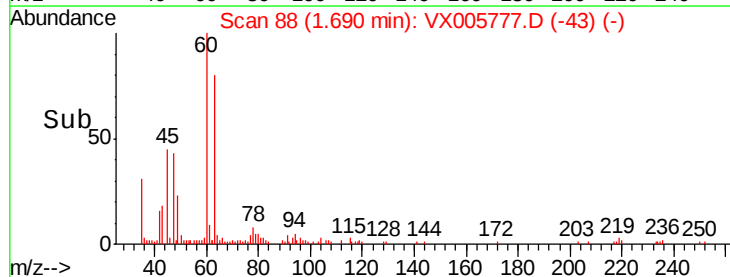
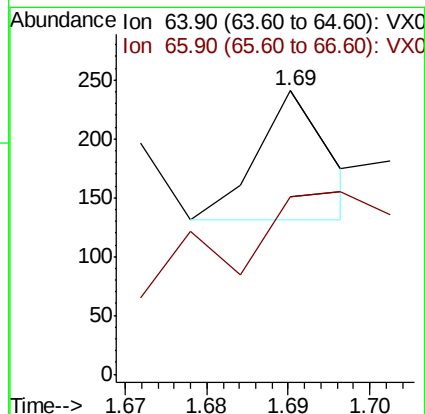
64 100

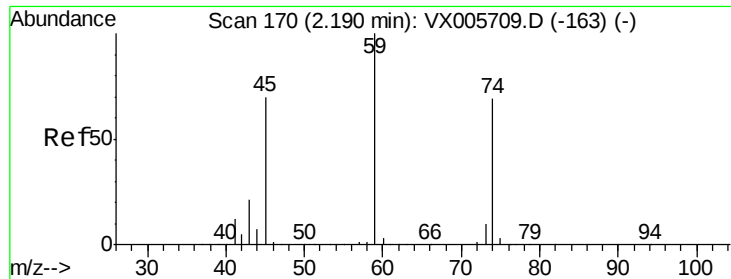
66 27.3 25.8 38.6



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

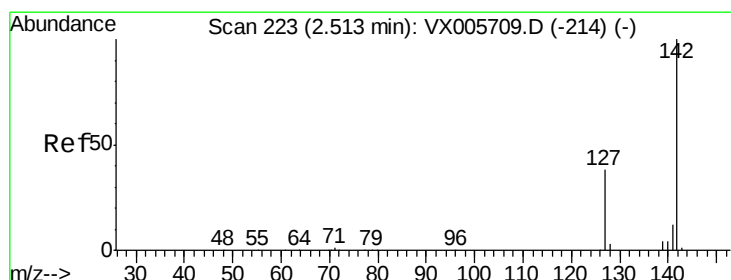
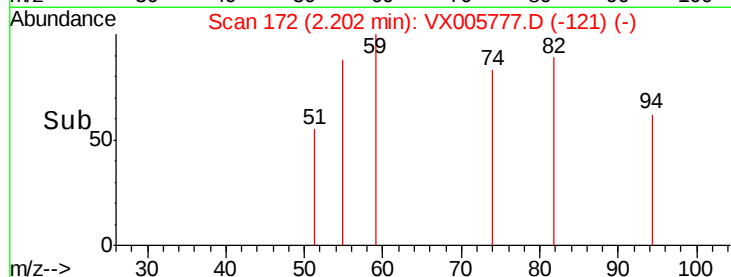
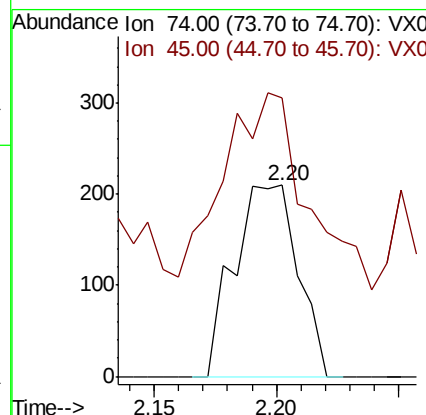
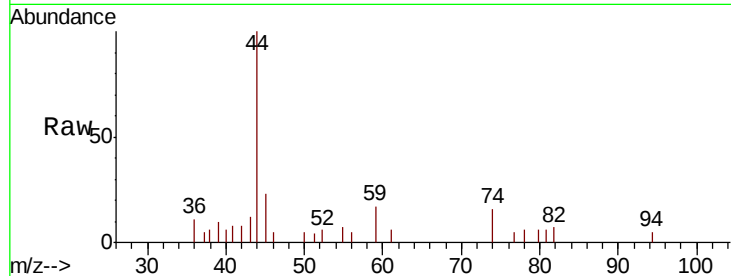




#8
Diethyl Ether
Concen: 0.306 ug/l
RT: 2.20 min Scan# 172
Delta R.T. 0.01 min
Lab File: VX005777.D
Acq: 05 Nov 2018 14:44

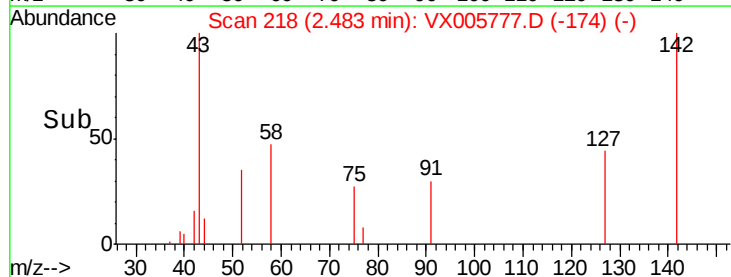
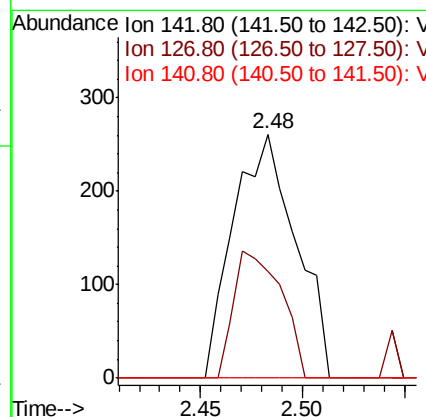
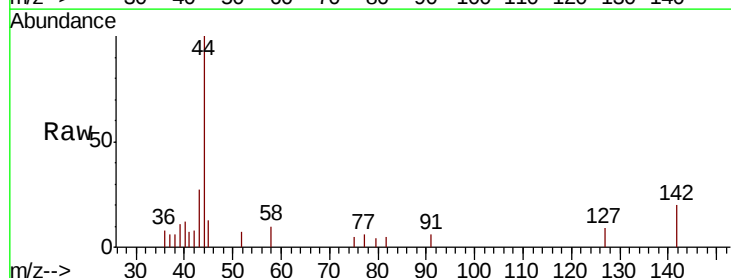
Instrument :
MSVOA_X
ClientSampleId :

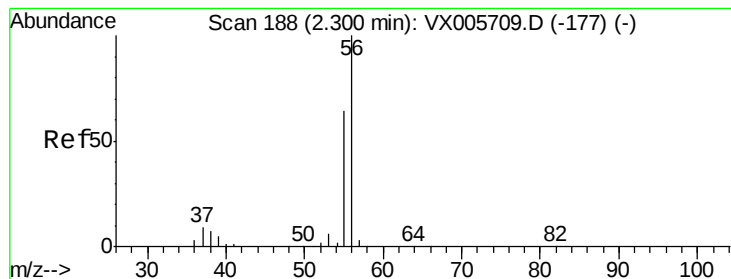
Tot Ion: 74 Resp: 384
Ion Ratio Lower Upper
74 100
45 133.1 54.1 162.3



#10
Methyl Iodide
Concen: 2.265 ug/l
RT: 2.48 min Scan# 218
Delta R.T. -0.03 min
Lab File: VX005777.D
Acq: 05 Nov 2018 14:44

Tgt Ion:142 Resp: 557
Ion Ratio Lower Upper
142 100
127 39.5 36.0 54.0
141 0.0 11.7 17.5#





#13

Acrolein

Concen: 12.242 ug/l

RT: 2.31 min Scan# 190

Delta R.T. 0.01 min

Lab File: VX005777.D

Acq: 05 Nov 2018 14:44

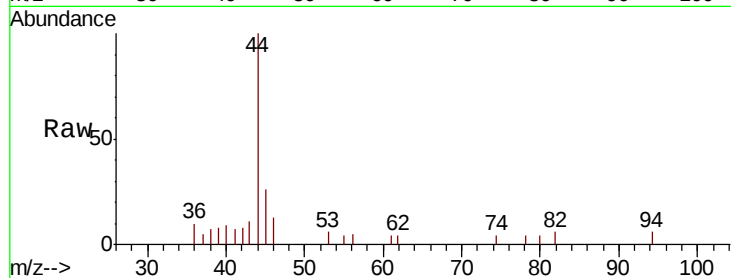
Instrument :
MSVOA_X
ClientSampled :

Tot Ion: 56 Resp: 27

Ion Ratio Lower Upper

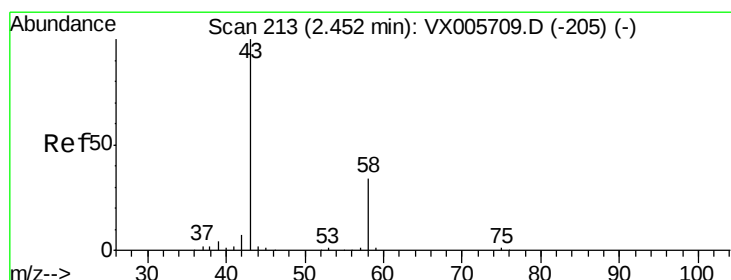
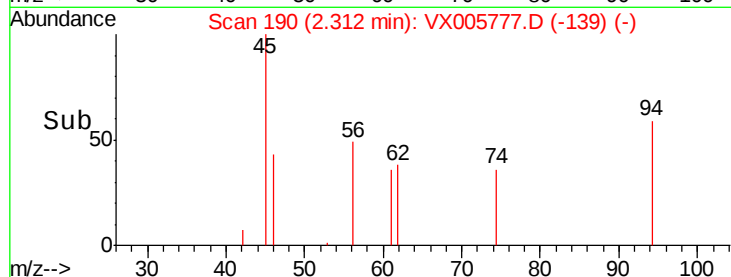
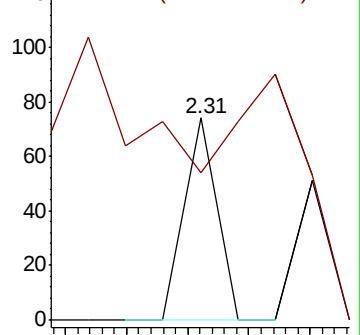
56 100

55 292.6 57.3 85.9#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#16

Acetone

Concen: Below Cal

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX005777.D

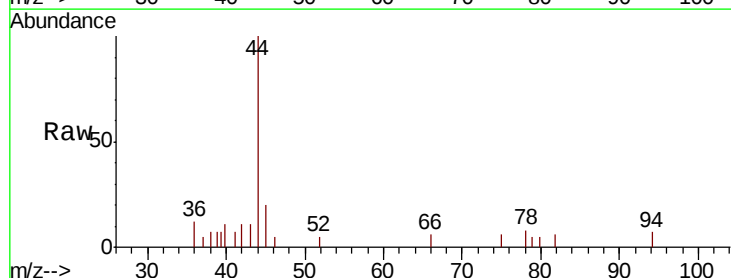
Acq: 05 Nov 2018 14:44

Tgt Ion: 43 Resp: 52

Ion Ratio Lower Upper

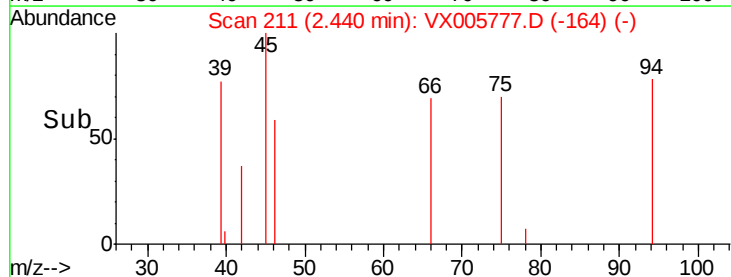
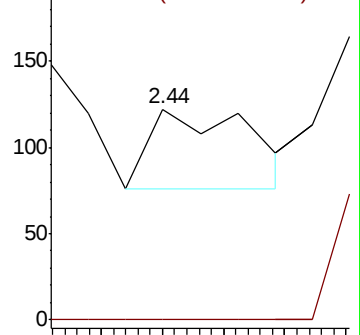
43 100

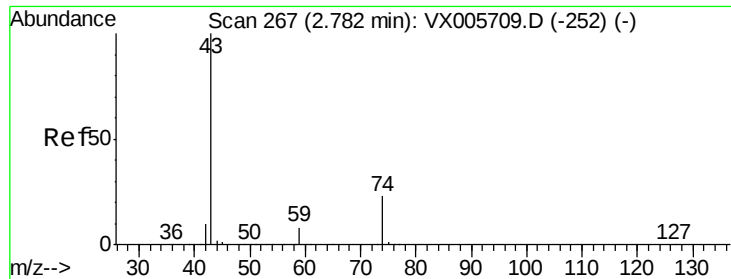
58 0.0 23.8 35.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

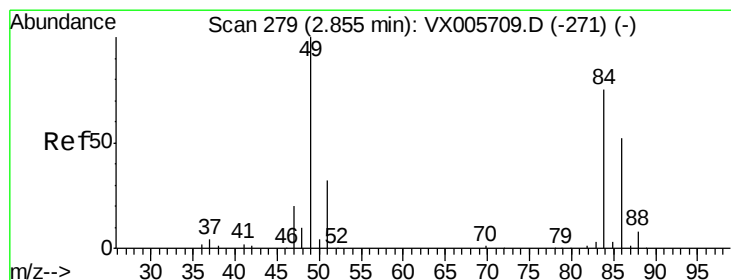
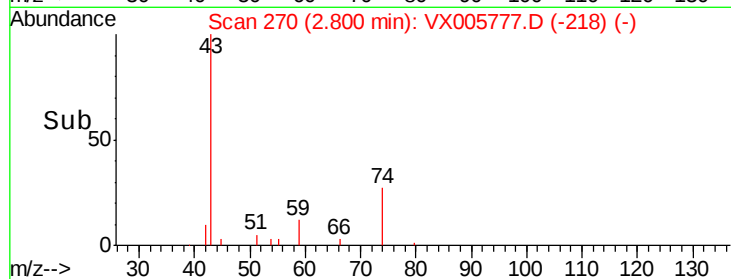
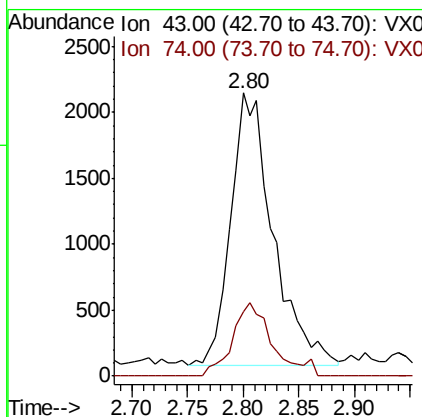
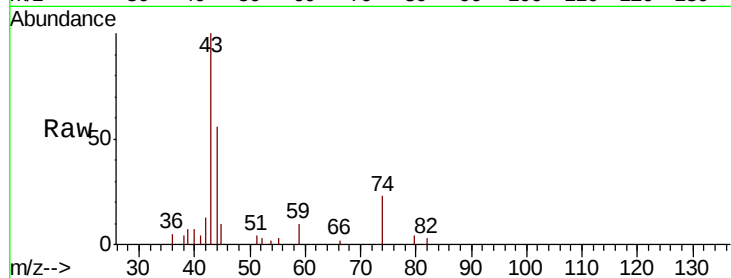




#18
Methyl Acetate
Concen: 1.681 ug/l
RT: 2.80 min Scan# 270
Delta R.T. 0.02 min
Lab File: VX005777.D
Acq: 05 Nov 2018 14:44

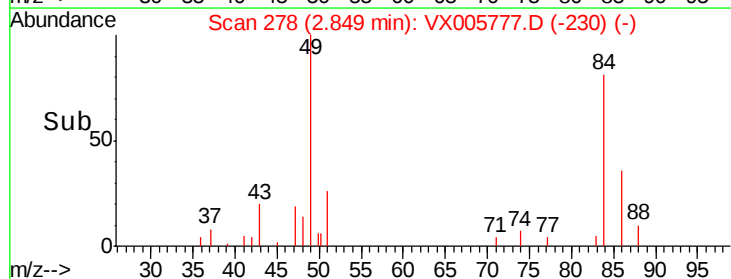
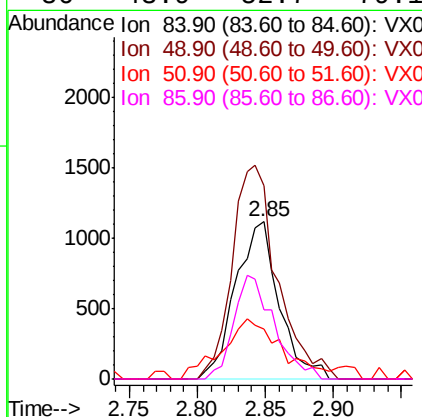
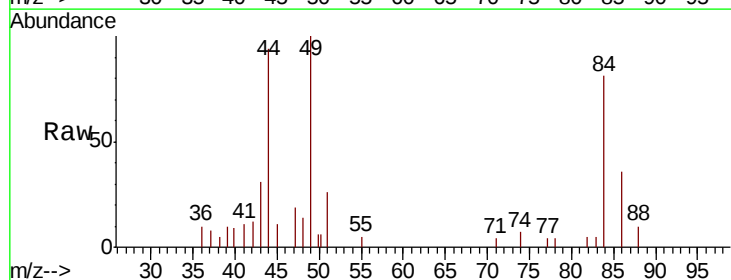
Instrument :
MSVOA_X
ClientSampled :

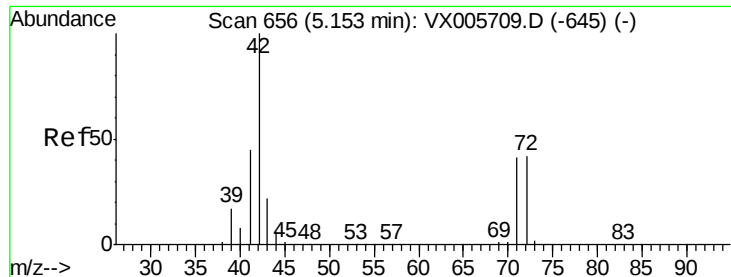
Tot Ion: 43 Resp: 5402
Ion Ratio Lower Upper
43 100
74 25.6 16.8 25.2#



#20
Methylene Chloride
Concen: 1.297 ug/l
RT: 2.85 min Scan# 278
Delta R.T. -0.01 min
Lab File: VX005777.D
Acq: 05 Nov 2018 14:44

Tgt Ion: 84 Resp: 2505
Ion Ratio Lower Upper
84 100
49 123.2 109.5 164.3
51 24.2 33.3 49.9#
86 43.9 52.7 79.1#

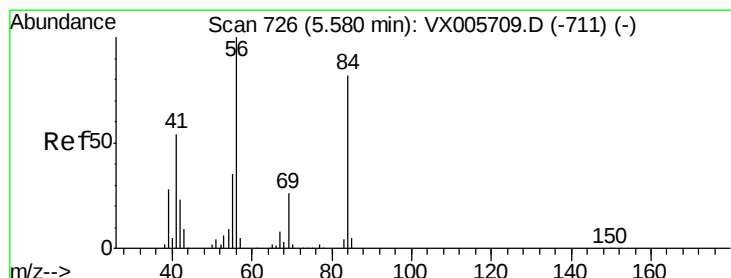
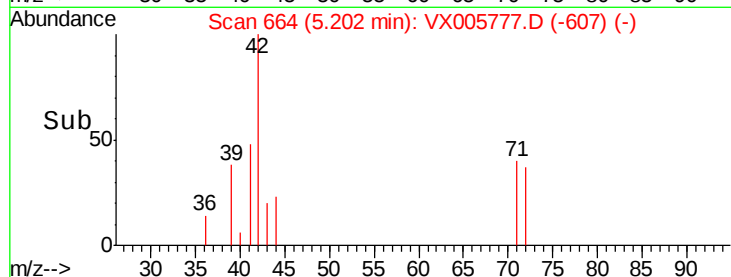
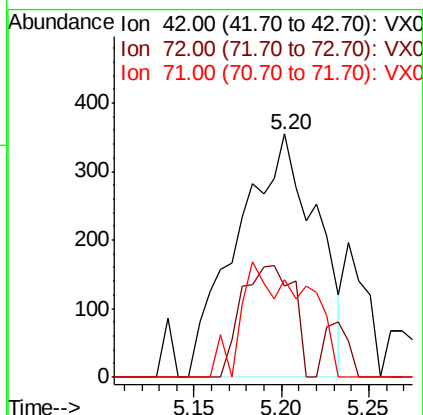
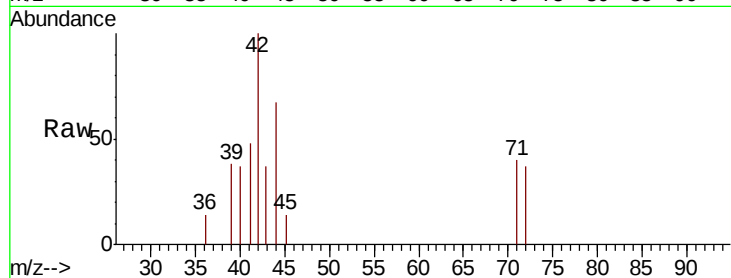




#29
Tetrahydrofuran
Concen: 0.964 ug/l
RT: 5.20 min Scan# 664
Delta R.T. 0.05 min
Lab File: VX005777.D
Acq: 05 Nov 2018 14:44

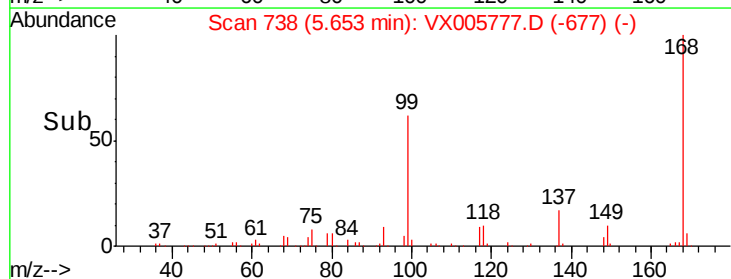
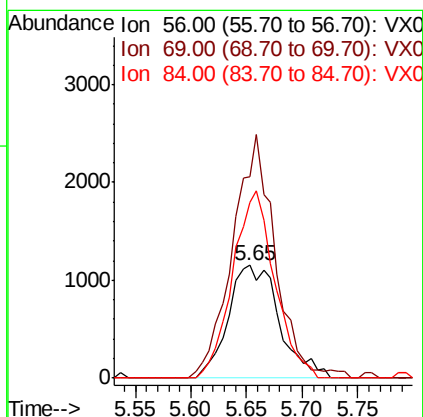
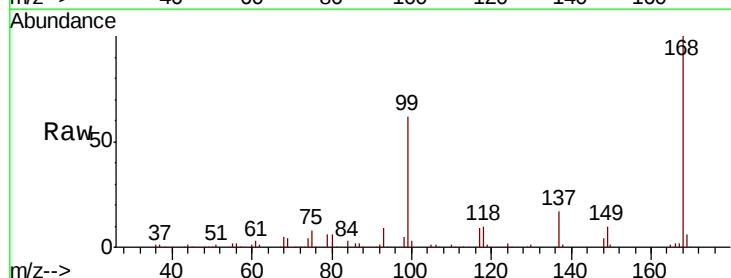
Instrument :
MSVOA_X
ClientSampleId :

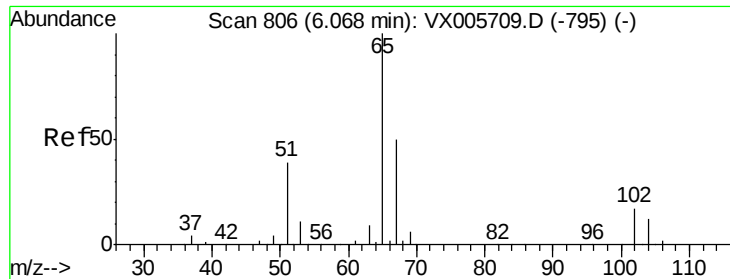
Tot Ion: 42 Resp: 1112
Ion Ratio Lower Upper
42 100
72 30.2 32.0 48.0#
71 19.3 29.8 44.8#



#31
Cyclohexane
Concen: 1.226 ug/l
RT: 5.65 min Scan# 738
Delta R.T. 0.07 min
Lab File: VX005777.D
Acq: 05 Nov 2018 14:44

Tgt Ion: 56 Resp: 3669
Ion Ratio Lower Upper
56 100
69 178.2 22.6 34.0#
84 155.7 62.7 94.1#

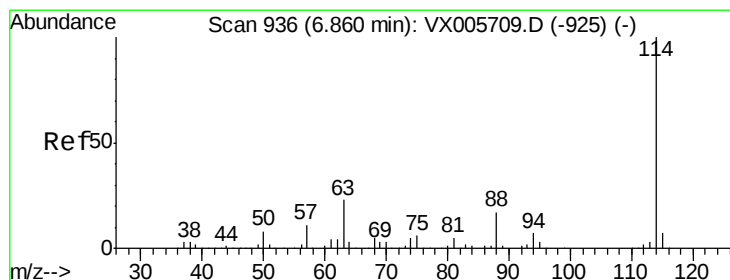
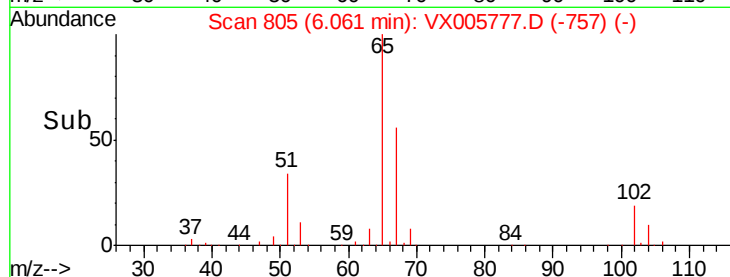
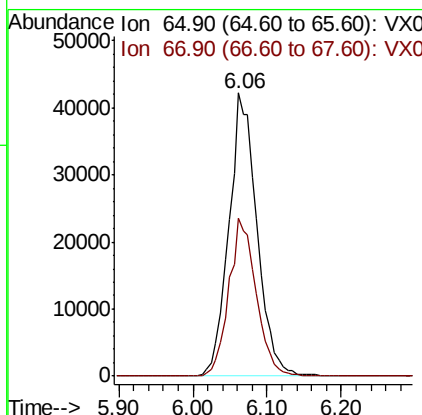
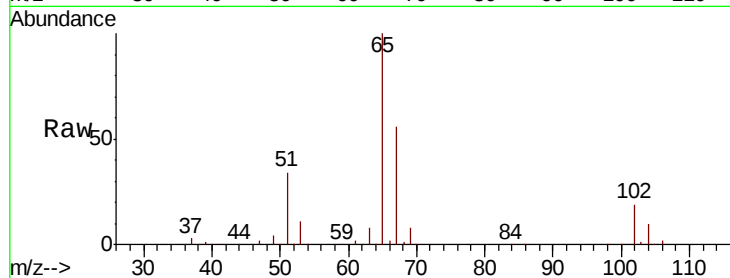




#33
 1,2-Dichloroethane-d4
 Concen: 49.722 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.01 min
 Lab File: VX005777.D
 Acq: 05 Nov 2018 14:44

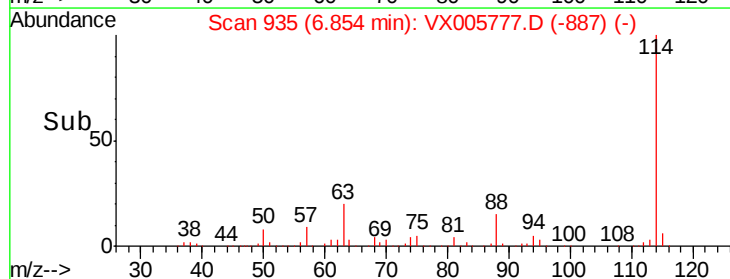
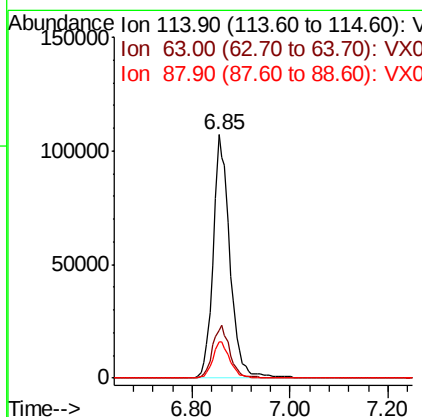
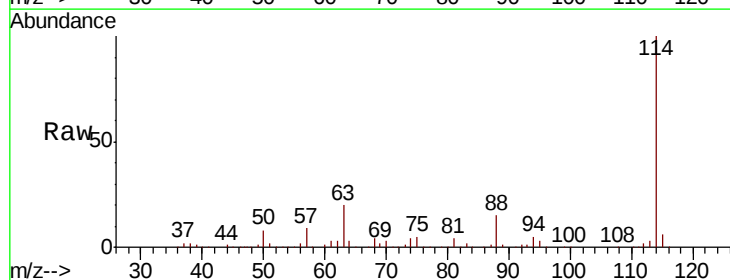
Instrument :
 MSVOA_X
 ClientSampleId :

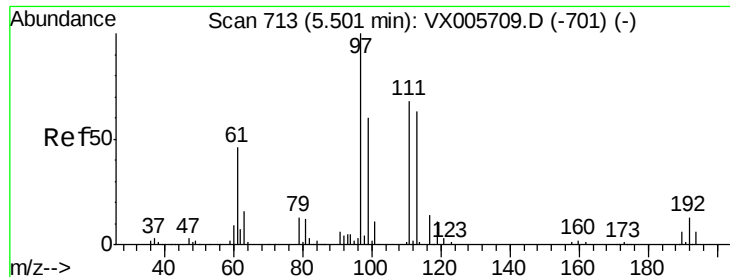
Tot Ion: 65 Resp: 111364
 Ion Ratio Lower Upper
 65 100
 67 54.4 0.0 105.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 935
 Delta R.T. -0.01 min
 Lab File: VX005777.D
 Acq: 05 Nov 2018 14:44

Tgt Ion: 114 Resp: 253542
 Ion Ratio Lower Upper
 114 100
 63 19.8 0.0 42.8
 88 14.7 0.0 31.2





#35

Dibromofluoromethane

Concen: 48.748 ug/l

RT: 5.51 min Scan# 714

Delta R.T. 0.01 min

Lab File: VX005777.D

Acq: 05 Nov 2018 14:44

Instrument :

MSVOA_X

ClientSampleId :

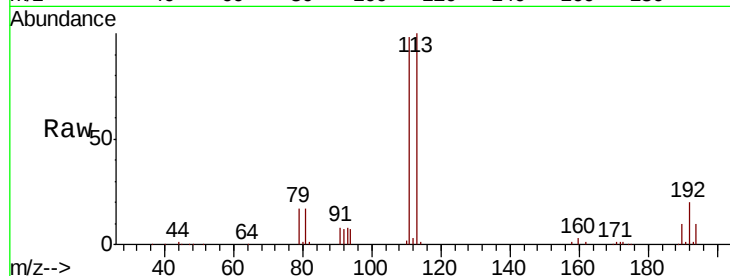
Tot Ion:113 Resp: 85580

Ion Ratio Lower Upper

113 100

111 100.8 82.3 123.5

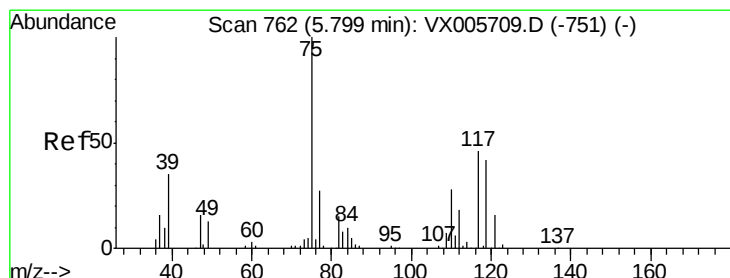
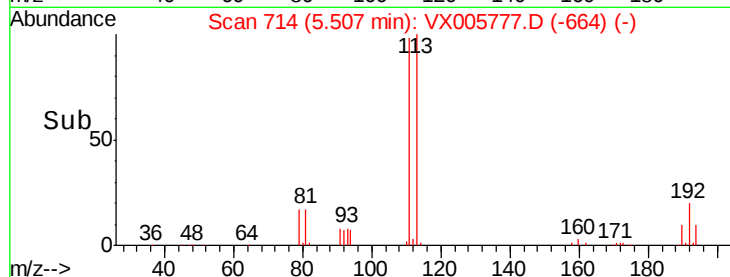
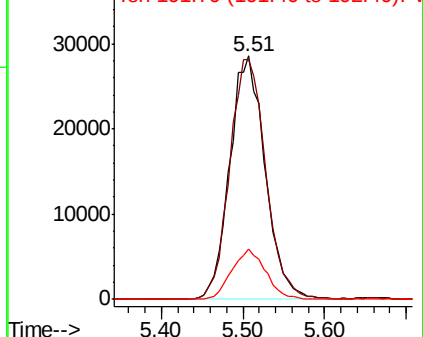
192 19.8 17.9 26.9



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: 4.723 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX005777.D

Acq: 05 Nov 2018 14:44

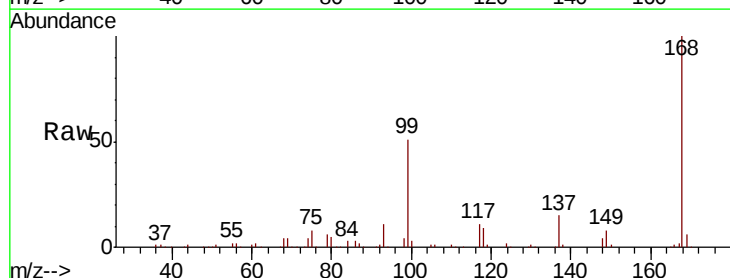
Tgt Ion: 75 Resp: 12757

Ion Ratio Lower Upper

75 100

110 8.5 17.4 52.2#

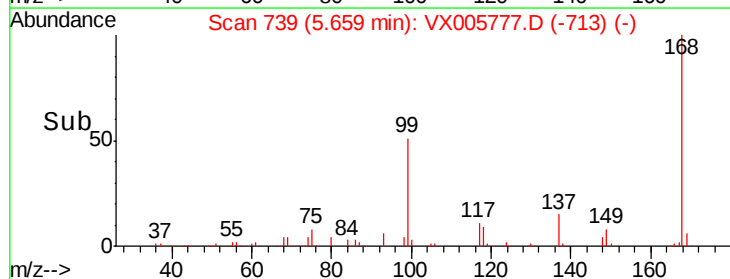
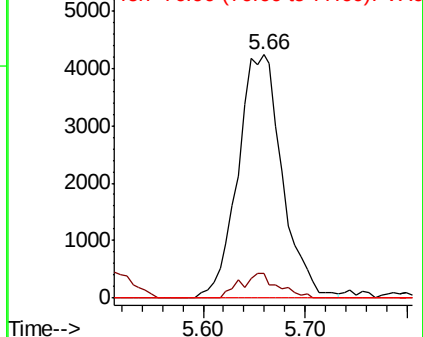
77 0.0 25.8 38.6#

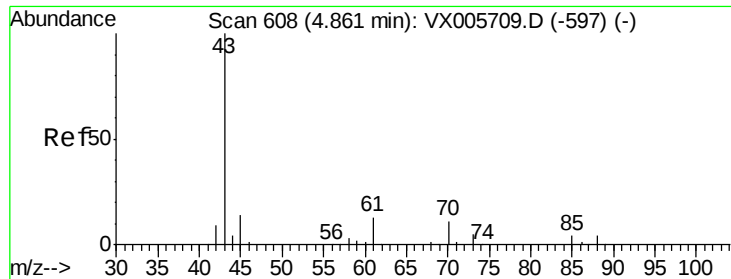


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

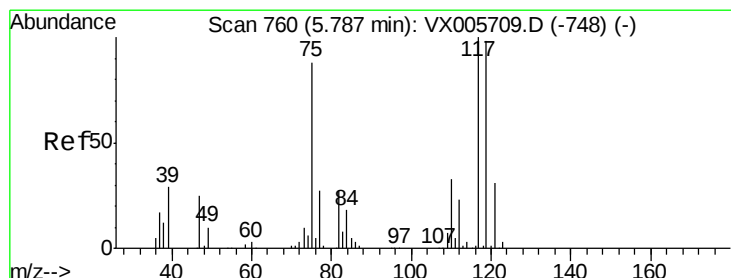
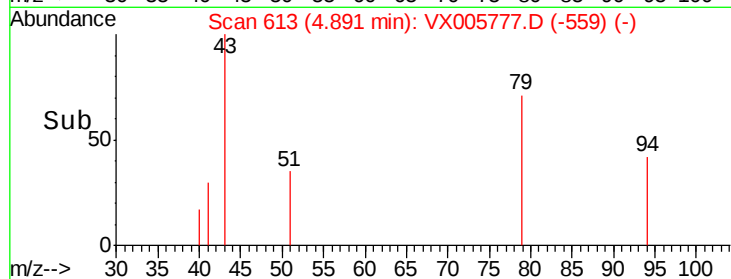
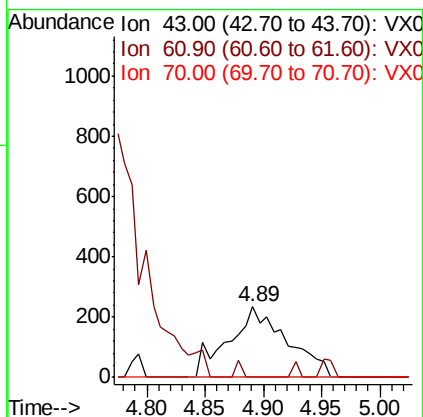
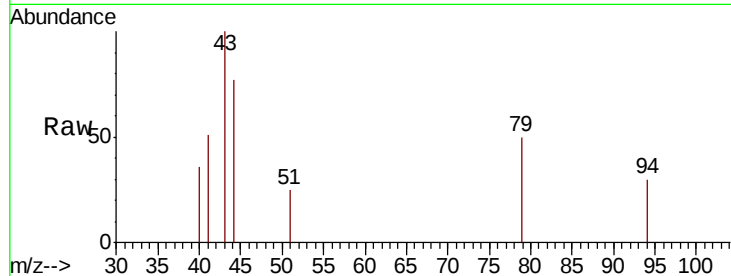




#37
Ethyl Acetate
Concen: 0.236 ug/l
RT: 4.89 min Scan# 613
Delta R.T. 0.03 min
Lab File: VX005777.D
Acq: 05 Nov 2018 14:44

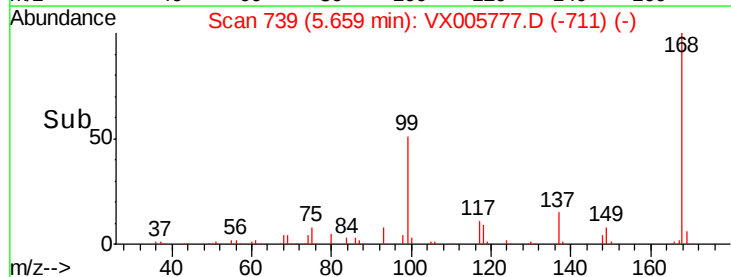
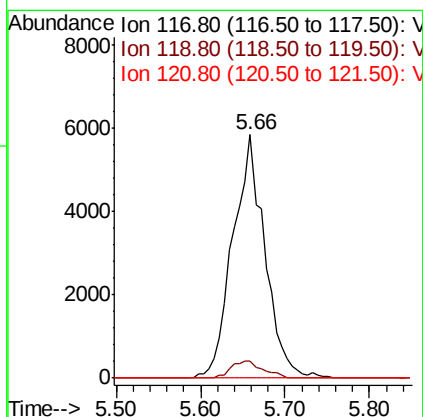
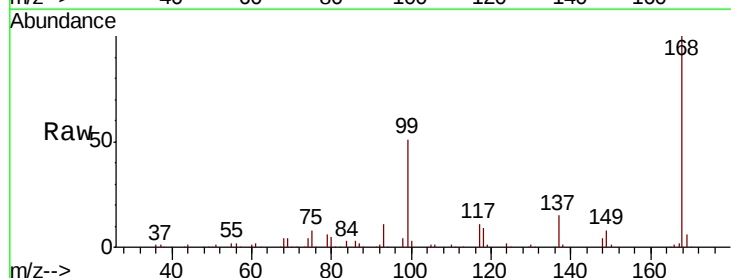
Instrument :
MSVOA_X
ClientSampled :

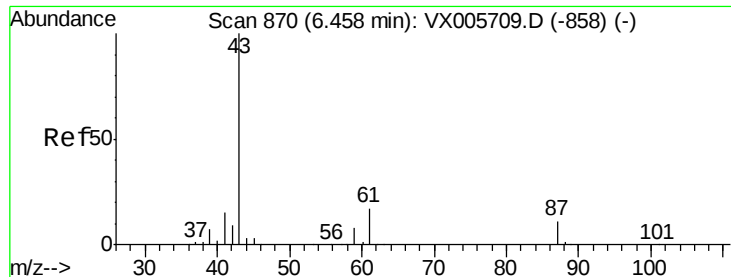
Tot Ion: 43 Resp: 815
Ion Ratio Lower Upper
43 100
61 0.0 10.8 16.2#
70 0.0 7.8 11.8#



#38
Carbon Tetrachloride
Concen: 6.175 ug/l
RT: 5.66 min Scan# 739
Delta R.T. -0.13 min
Lab File: VX005777.D
Acq: 05 Nov 2018 14:44

Tgt Ion: 117 Resp: 15070
Ion Ratio Lower Upper
117 100
119 6.9 78.1 117.1#
121 0.0 24.6 36.8#





#43

Isopropyl Acetate

Concen: 0.247 ug/l

RT: 6.49 min Scan# 875

Delta R.T. 0.03 min

Lab File: VX005777.D

Acq: 05 Nov 2018 14:44

Instrument :

MSVOA_X

ClientSampleId :

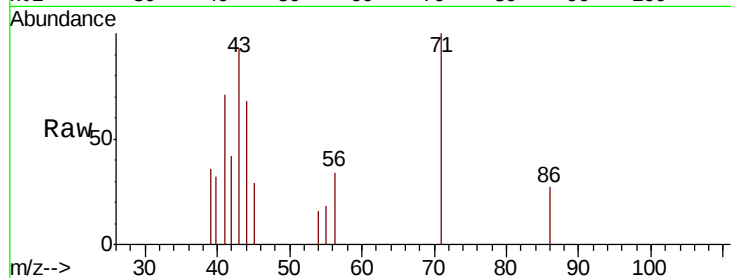
Tot Ion: 43 Resp: 1236

Ion Ratio Lower Upper

43 100

61 0.0 14.6 22.0#

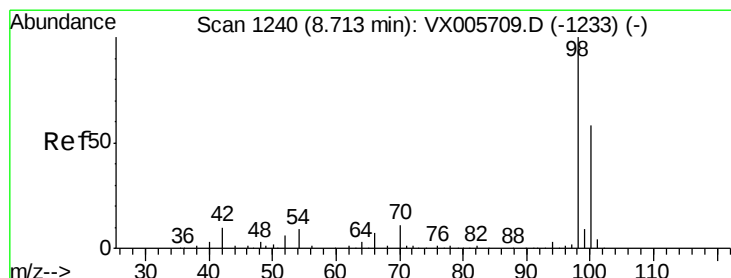
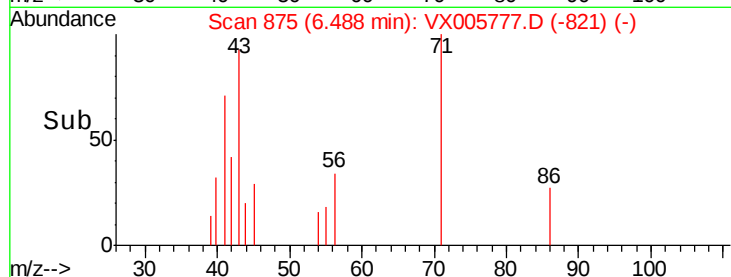
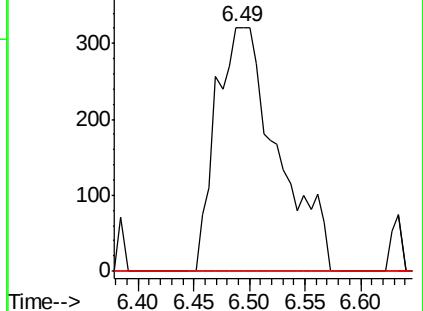
87 0.0 9.6 14.4#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0



#50

Toluene-d8

Concen: 47.502 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX005777.D

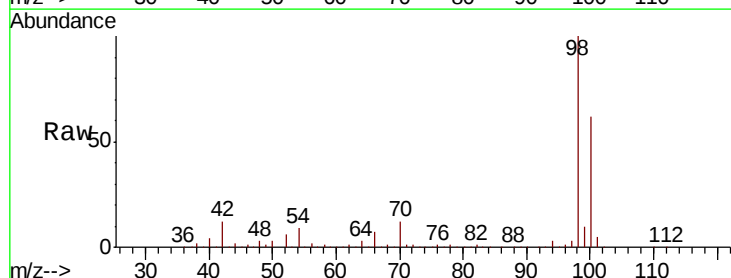
Acq: 05 Nov 2018 14:44

Tgt Ion: 98 Resp: 292483

Ion Ratio Lower Upper

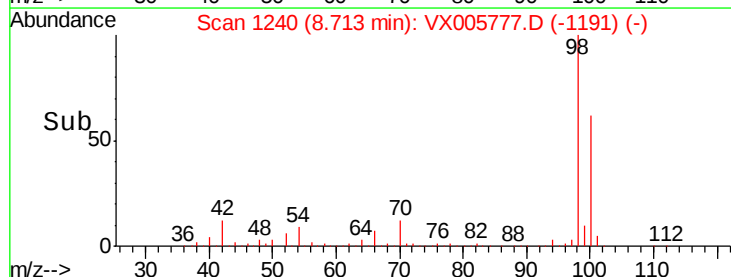
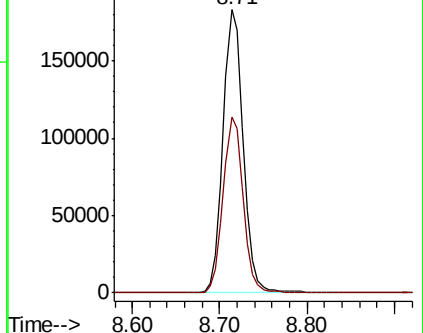
98 100

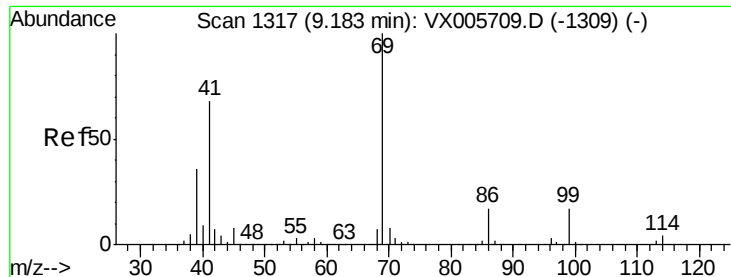
100 62.1 51.3 76.9



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#56

Ethyl methacrylate

Concen: 2.477 ug/l

RT: 8.90 min Scan# 1270

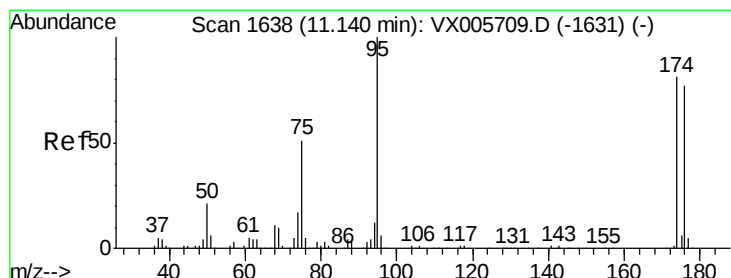
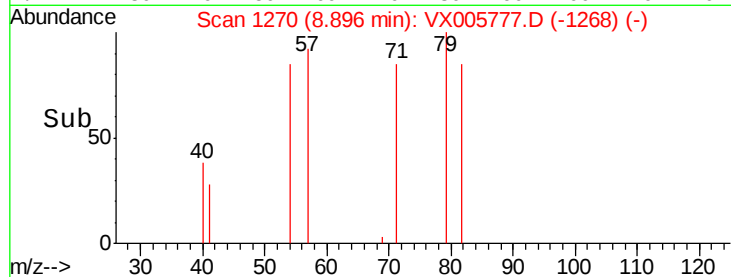
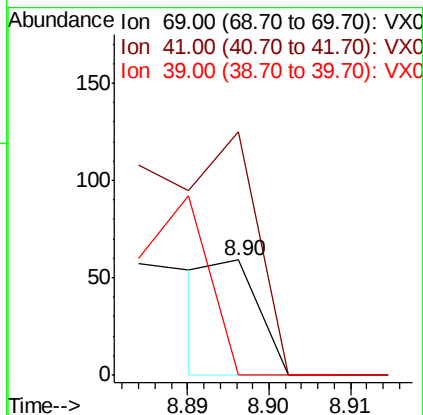
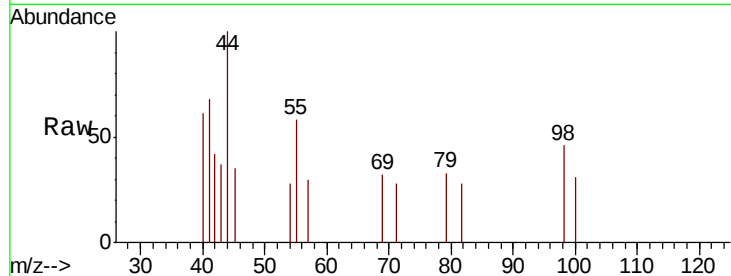
Delta R.T. -0.29 min

Lab File: VX005777.D

Acq: 05 Nov 2018 14:44

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:	69	Resp:	22
Ion	Ratio	Lower	Upper
69	100		
41	0.0	57.0	85.6#
39	0.0	28.3	42.5#



#62

4-Bromofluorobenzene

Concen: 41.662 ug/l

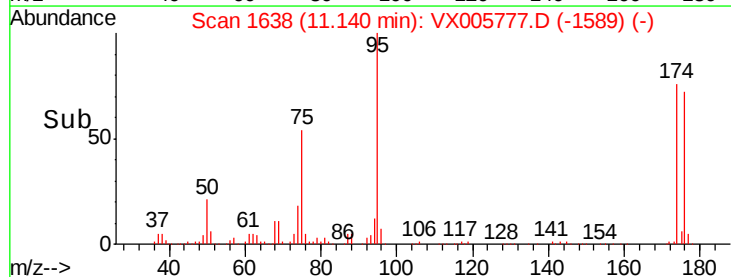
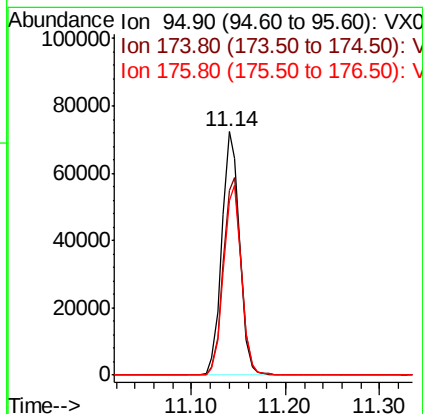
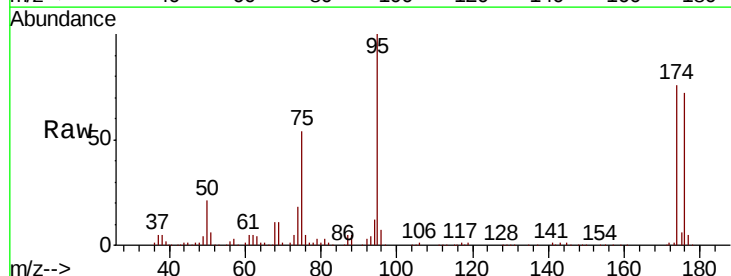
RT: 11.14 min Scan# 1638

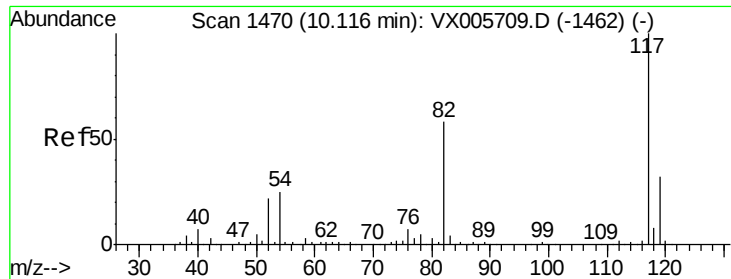
Delta R.T. -0.00 min

Lab File: VX005777.D

Acq: 05 Nov 2018 14:44

Tgt Ion:	95	Resp:	94676
Ion	Ratio	Lower	Upper
95	100		
174	82.3	0.0	184.4
176	78.2	0.0	177.4

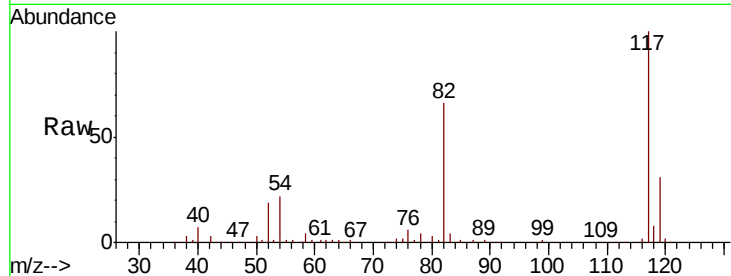




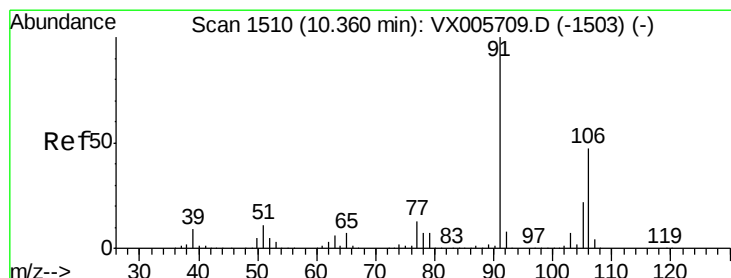
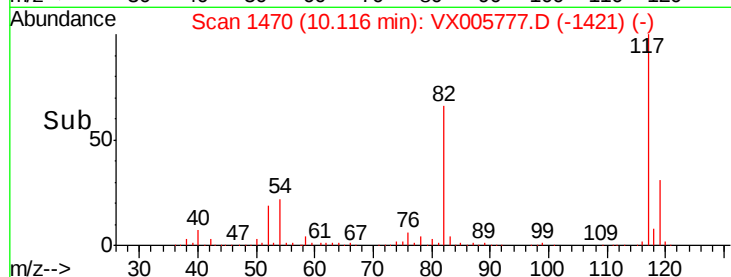
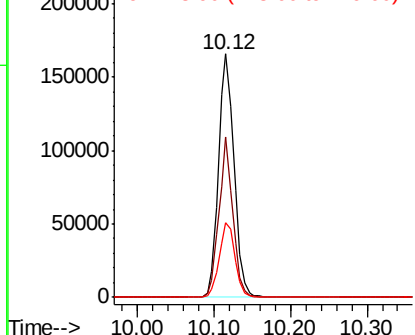
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX005777.D
Acq: 05 Nov 2018 14:44

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:117 Resp: 233322
Ion Ratio Lower Upper
117 100
82 65.7 44.1 66.1
119 30.7 26.2 39.2

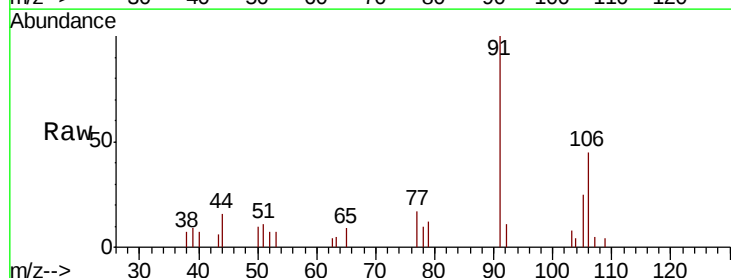


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

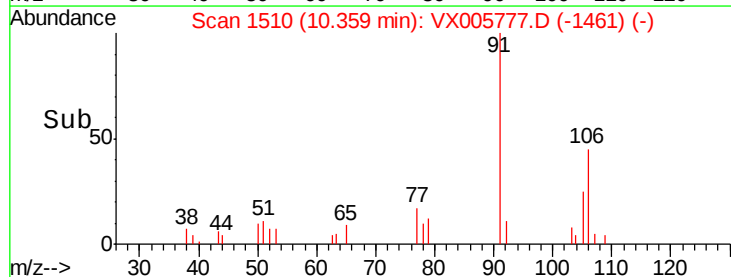
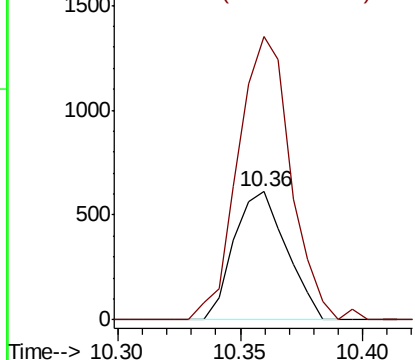


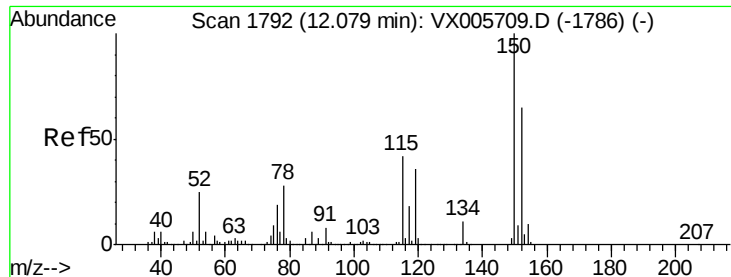
#68
m/p-Xylenes
Concen: 0.289 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VX005777.D
Acq: 05 Nov 2018 14:44

Tgt Ion:106 Resp: 910
Ion Ratio Lower Upper
106 100
91 224.6 164.2 246.4



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX005777.D

Acq: 05 Nov 2018 14:44

Instrument :

MSVOA_X

ClientSampleId :

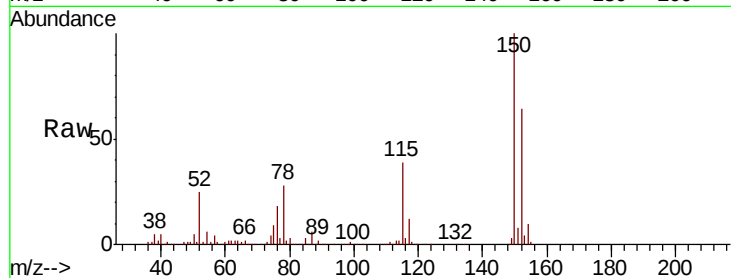
Tot Ion:152 Resp: 100025

Ion Ratio Lower Upper

152 100

115 58.6 39.4 118.1

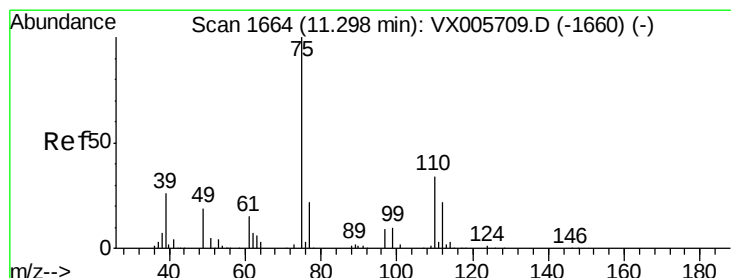
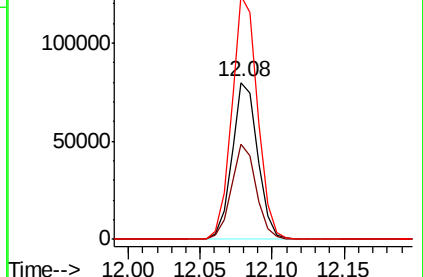
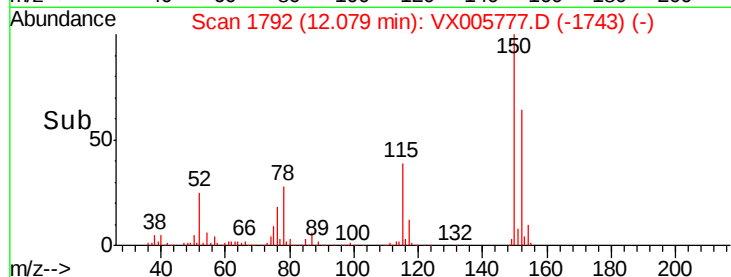
150 155.4 0.0 346.4



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: 19.934 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.16 min

Lab File: VX005777.D

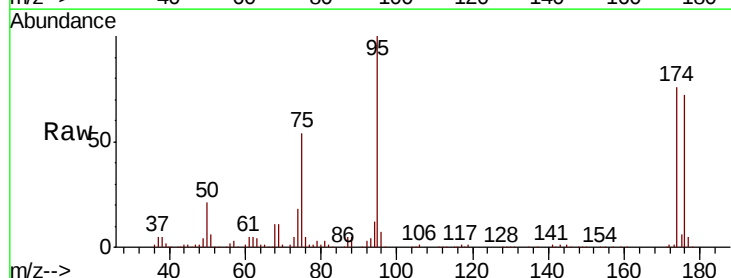
Acq: 05 Nov 2018 14:44

Tgt Ion: 75 Resp: 49661

Ion Ratio Lower Upper

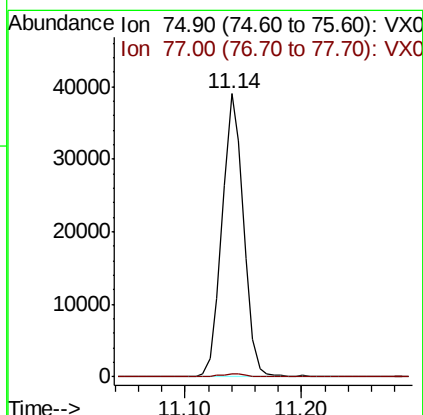
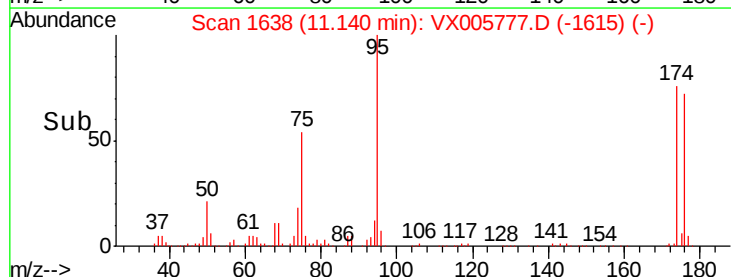
75 100

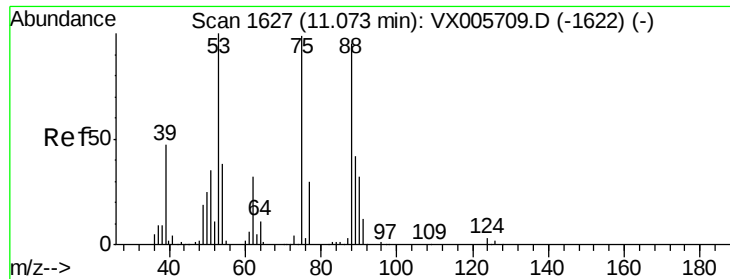
77 1.3 20.5 61.6#



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: 64.406 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.07 min

Lab File: VX005777.D

Acq: 05 Nov 2018 14:44

Instrument :

MSVOA_X

ClientSampleId :

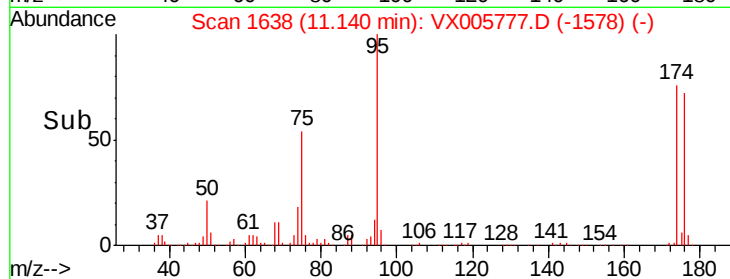
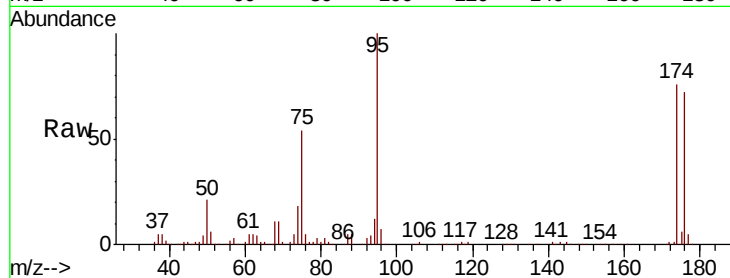
Tot Ion: 75 Resp: 49661

Ion Ratio Lower Upper

75 100

53 0.3 80.2 120.2#

89 0.0 39.8 59.8#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

