

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX110518\
 Data File : VX005790.D
 Acq On : 05 Nov 2018 20:30
 Operator : JC/MD
 Sample : J5764-10
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Nov 06 00:48:10 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	5.67	168	146089	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	6.87	114	233998	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	213998	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	93899	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	108673	50.88	ug/l	0.00
Spiked Amount			Recovery	=	101.76%	
35) Dibromofluoromethane	5.51	113	79555	49.10	ug/l	0.00
Spiked Amount			Recovery	=	98.20%	
50) Toluene-d8	8.71	98	293169	51.59	ug/l	0.00
Spiked Amount			Recovery	=	103.18%	
62) 4-Bromofluorobenzene	11.14	95	93226	44.45	ug/l	0.00
Spiked Amount			Recovery	=	88.90%	

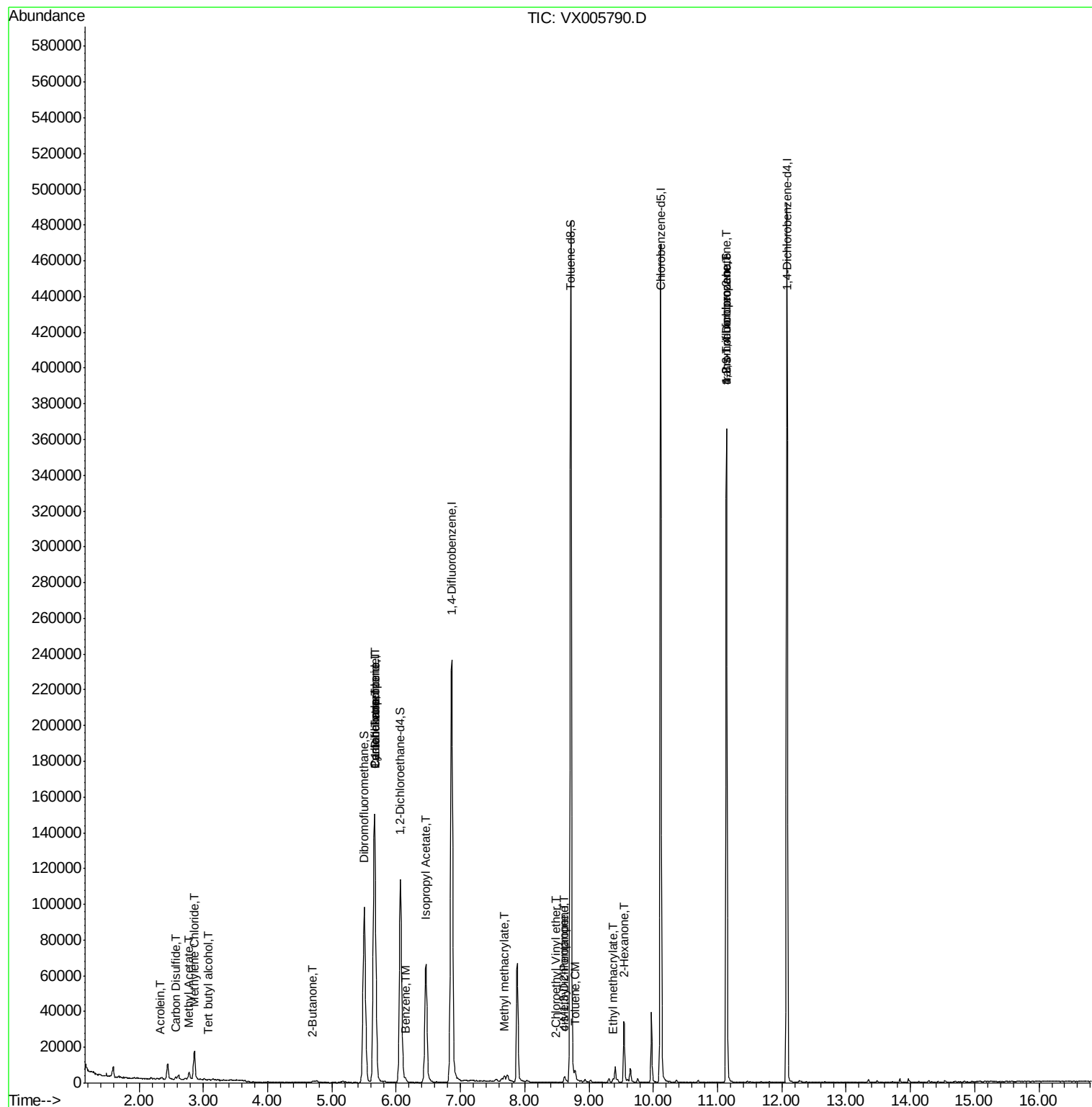
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.71	64	22	Below Cal	#	42
11) Tert butyl alcohol	3.07	59	183	0.315	ug/l #	72
13) Acrolein	2.32	56	43	12.281	ug/l #	14
16) Acetone	2.44	43	9556	Below Cal		97
17) Carbon Disulfide	2.57	76	1165	0.241	ug/l #	91
18) Methyl Acetate	2.78	43	4842	1.580	ug/l	97
20) Methylene Chloride	2.86	84	7088	3.848	ug/l	93
25) 2-Butanone	4.70	43	1481	0.822	ug/l #	88
31) Cyclohexane	5.67	56	3348	1.173	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	12401	4.974	ug/l #	49
38) Carbon Tetrachloride	5.66	117	14082	6.252	ug/l #	16
40) Benzene	6.14	78	1755	0.237	ug/l	97
43) Isopropyl Acetate	6.46	43	84338	18.269	ug/l	96
48) Methyl methacrylate	7.68	41	3276	1.466	ug/l #	27
51) 4-Methyl-2-Pentanone	8.62	43	1056	0.335	ug/l #	38
52) Toluene	8.78	92	960	0.239	ug/l	97
54) cis-1,3-Dichloropropene	8.62	75	533	0.201	ug/l #	66
56) Ethyl methacrylate	9.38	69	66	2.492	ug/l #	1
58) 2-Chloroethyl Vinyl ether	8.49	63	19	10.349	ug/l #	48
59) 2-Hexanone	9.54	43	3928	1.533	ug/l	63
76) 1,2,3-Trichloropropane	11.14	75	49553	21.189	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.14	75	49553	68.459	ug/l #	9

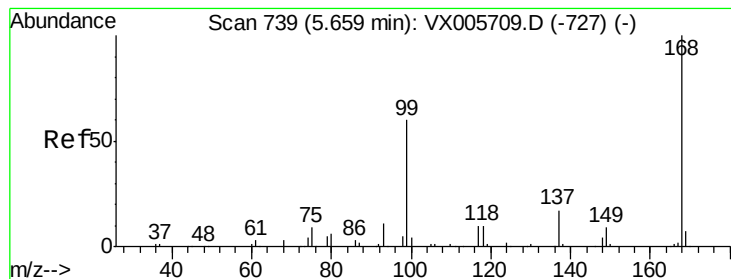
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX110518\
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Quant Title : SW846 8260
QLast Update : Wed Oct 31 18:23:06 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 741

Delta R.T. 0.01 min

Lab File: VX005790.D

Acq: 05 Nov 2018 20:30

Instrument :

MSVOA_X

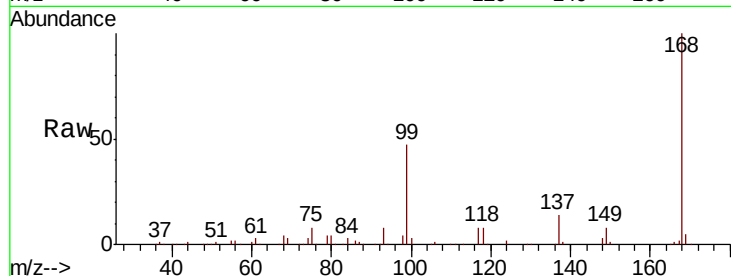
ClientSampleId :

Tot Ion:168 Resp: 146089

Ion Ratio Lower Upper

168 100

99 47.0 40.7 61.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

60000

50000

40000

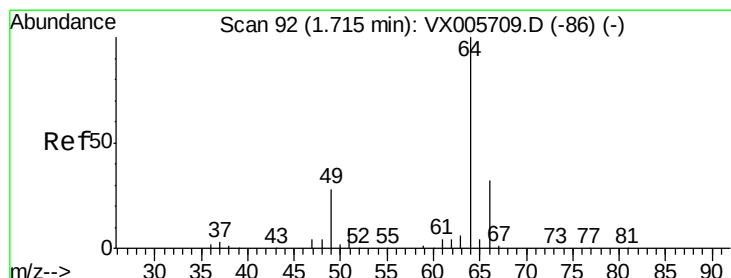
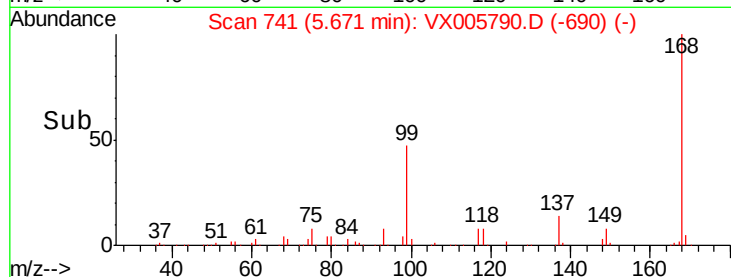
30000

20000

10000

0

Time--> 5.50 5.60 5.70 5.80



#6

Chloroethane

Concen: Below Cal

RT: 1.71 min Scan# 91

Delta R.T. -0.01 min

Lab File: VX005790.D

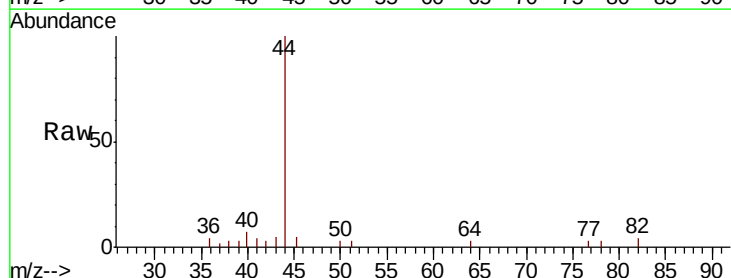
Acq: 05 Nov 2018 20:30

Tgt Ion: 64 Resp: 22

Ion Ratio Lower Upper

64 100

66 0.0 25.8 38.6#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.71

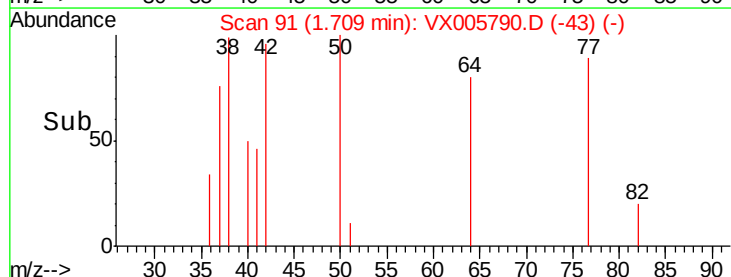
60

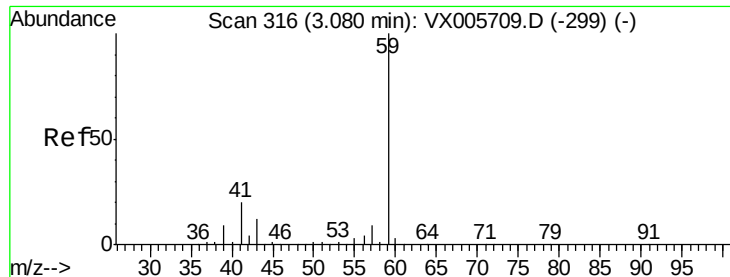
40

20

0

Time--> 1.69 1.70 1.71 1.72



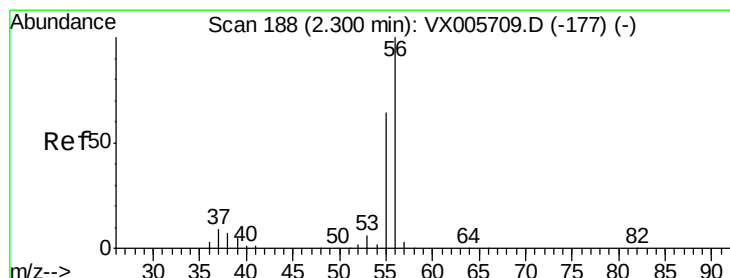
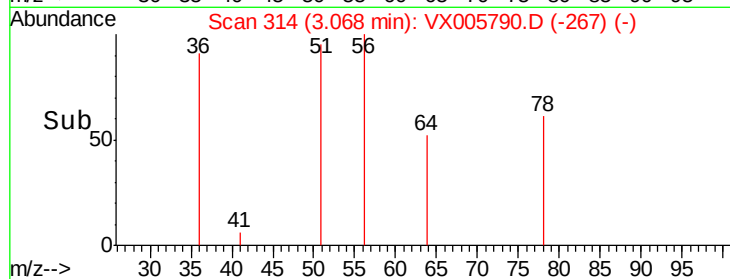
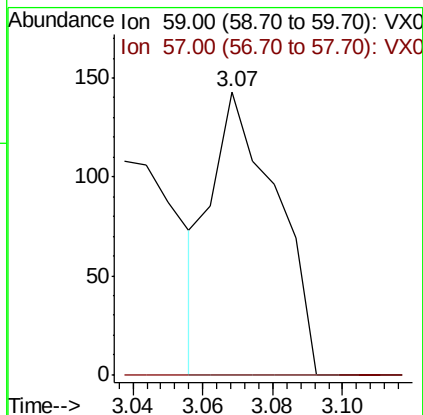
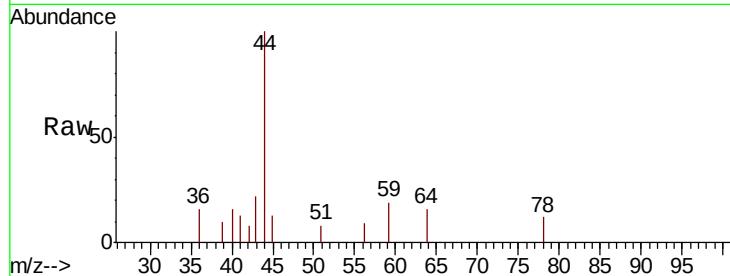


#11

Tert butyl alcohol
 Concen: 0.315 ug/l
 RT: 3.07 min Scan# 314
 Delta R.T. -0.01 min
 Lab File: VX005790.D
 Acq: 05 Nov 2018 20:30

Instrument :
 MSVOA_X
 ClientSampled :

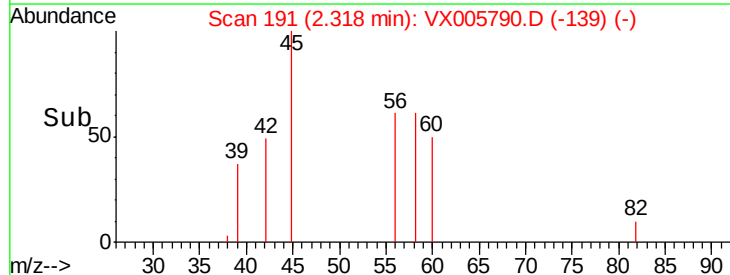
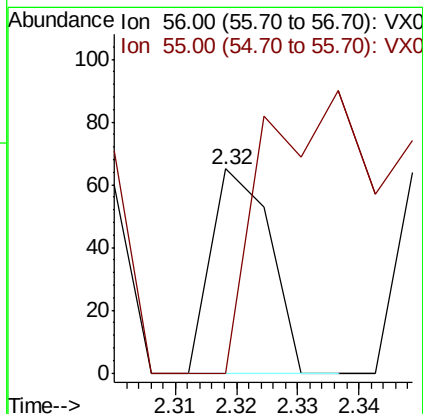
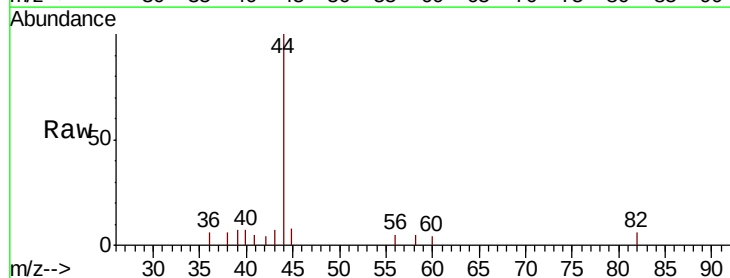
Tot Ion: 59 Resp: 183
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.5 12.7#

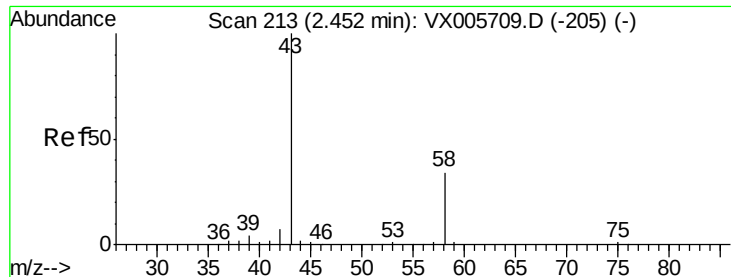


#13

Acrolein
 Concen: 12.281 ug/l
 RT: 2.32 min Scan# 191
 Delta R.T. 0.02 min
 Lab File: VX005790.D
 Acq: 05 Nov 2018 20:30

Tgt Ion: 56 Resp: 43
 Ion Ratio Lower Upper
 56 100
 55 0.0 57.3 85.9#





#16

Acetone

Concen: Below Cal

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX005790.D

Acq: 05 Nov 2018 20:30

Instrument :

MSVOA_X

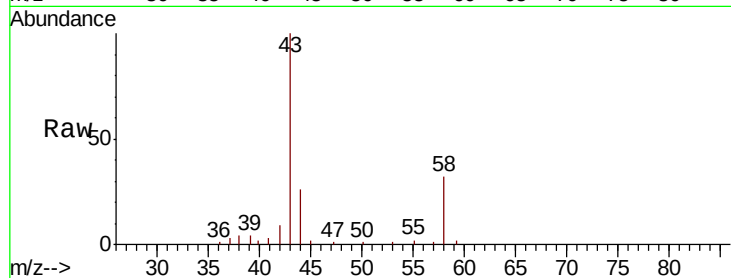
ClientSampled :

Tot Ion: 43 Resp: 9556

Ion Ratio Lower Upper

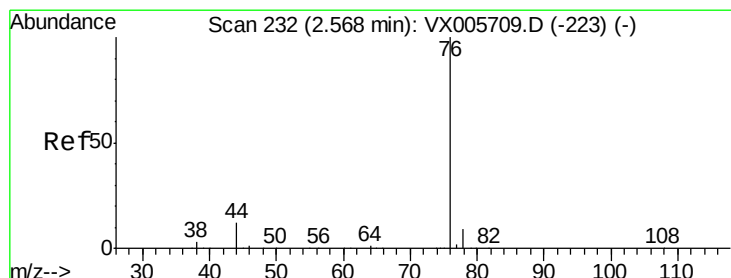
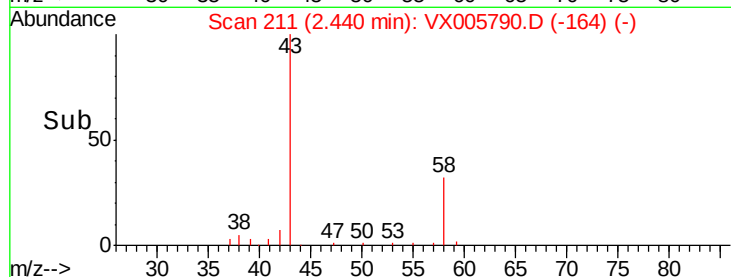
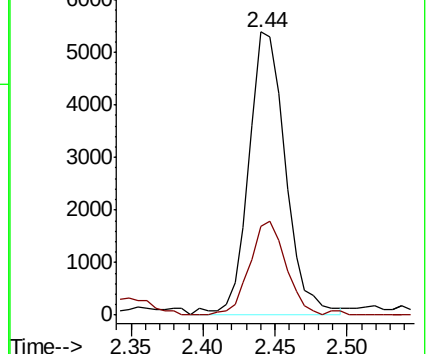
43 100

58 31.5 23.8 35.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#17

Carbon Disulfide

Concen: 0.241 ug/l

RT: 2.57 min Scan# 233

Delta R.T. 0.01 min

Lab File: VX005790.D

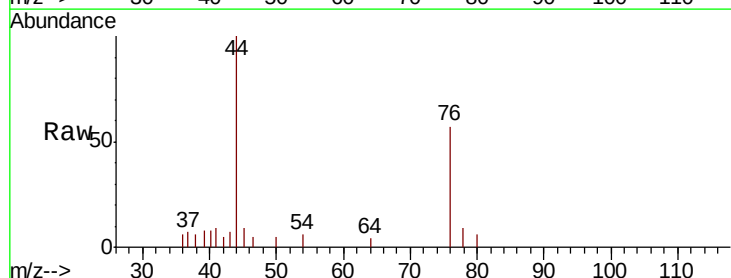
Acq: 05 Nov 2018 20:30

Tgt Ion: 76 Resp: 1165

Ion Ratio Lower Upper

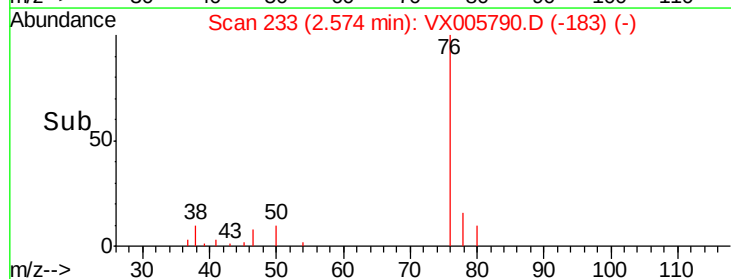
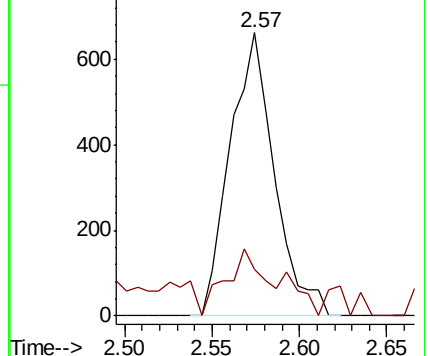
76 100

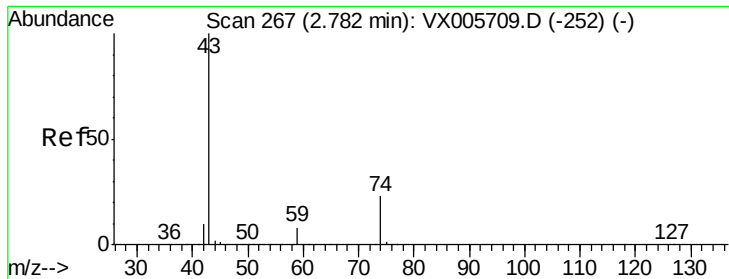
78 5.7 7.3 10.9#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

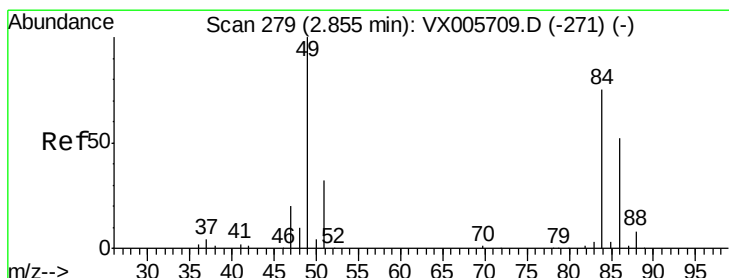
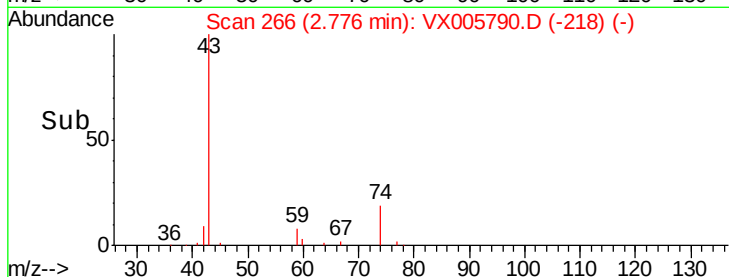
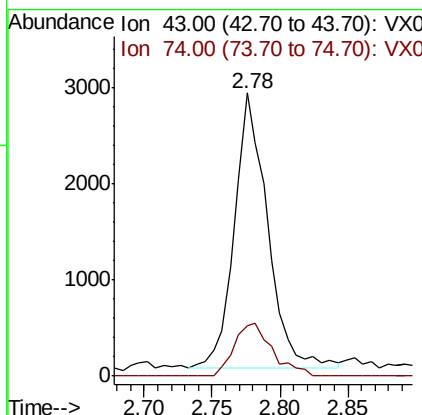
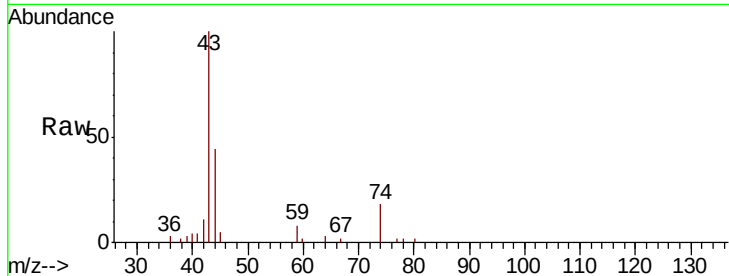




#18
Methvl Acetate
Concen: 1.580 ug/l
RT: 2.78 min Scan# 266
Delta R.T. -0.01 min
Lab File: VX005790.D
Acq: 05 Nov 2018 20:30

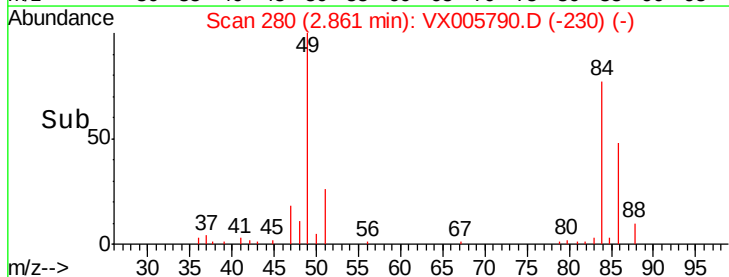
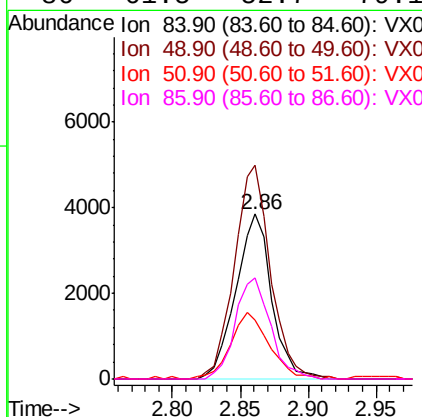
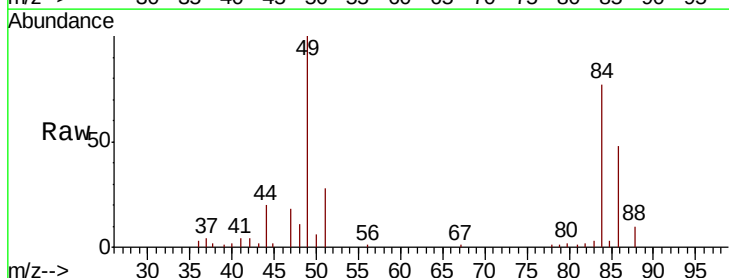
Instrument :
MSVOA_X
ClientSampleId :

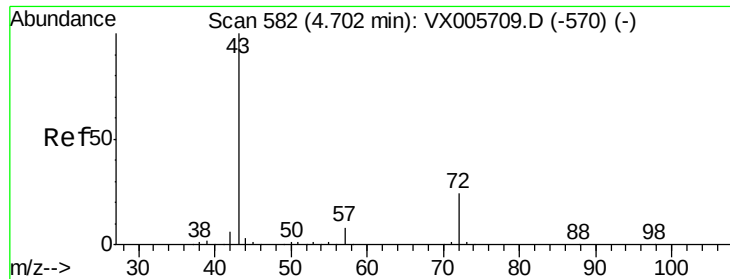
Tot Ion: 43 Resp: 4842
Ion Ratio Lower Upper
43 100
74 22.3 16.8 25.2



#20
Methylene Chloride
Concen: 3.848 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.01 min
Lab File: VX005790.D
Acq: 05 Nov 2018 20:30

Tgt Ion: 84 Resp: 7088
Ion Ratio Lower Upper
84 100
49 129.4 109.5 164.3
51 35.6 33.3 49.9
86 61.5 52.7 79.1





#25

2-Butanone

Concen: 0.822 ug/l

RT: 4.70 min Scan# 581

Delta R.T. -0.01 min

Lab File: VX005790.D

Acq: 05 Nov 2018 20:30

Instrument :

MSVOA_X

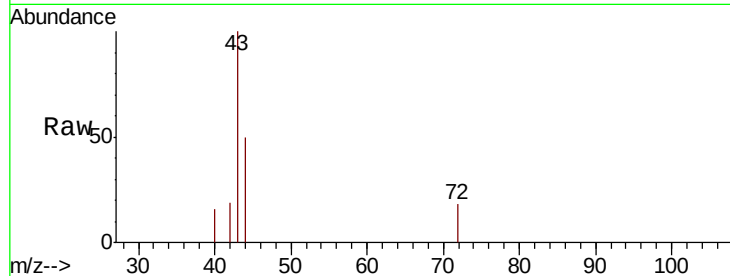
ClientSampled :

Tot Ion: 43 Resp: 1481

Ion Ratio Lower Upper

43 100

72 17.9 19.2 28.8#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

4.70

500

400

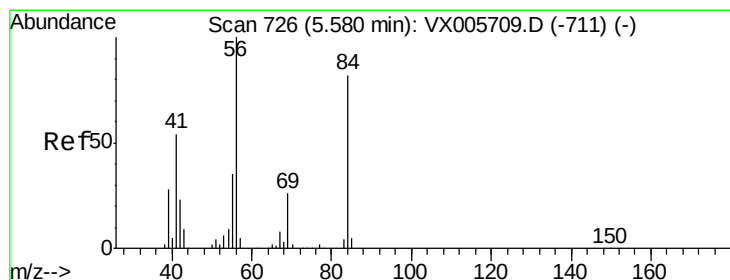
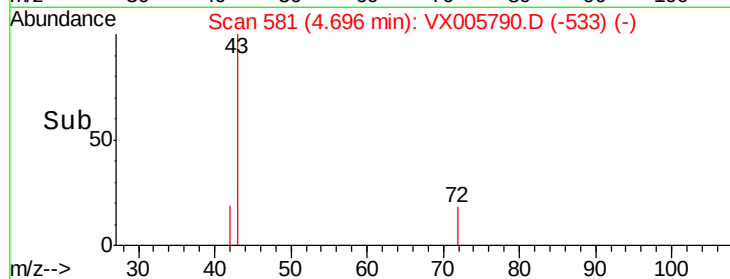
300

200

100

0

Time--> 4.60 4.65 4.70 4.75 4.80



#31

Cyclohexane

Concen: 1.173 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.09 min

Lab File: VX005790.D

Acq: 05 Nov 2018 20:30

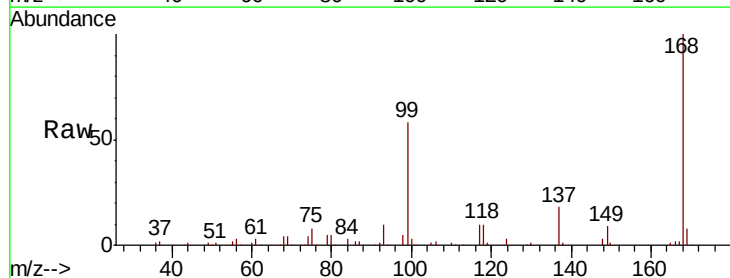
Tgt Ion: 56 Resp: 3348

Ion Ratio Lower Upper

56 100

69 154.5 22.6 34.0#

84 123.2 62.7 94.1#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0

2500

2000

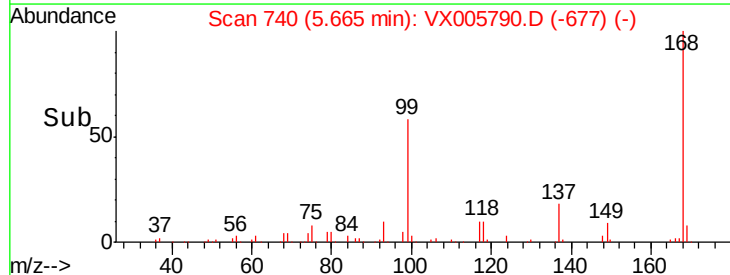
1500

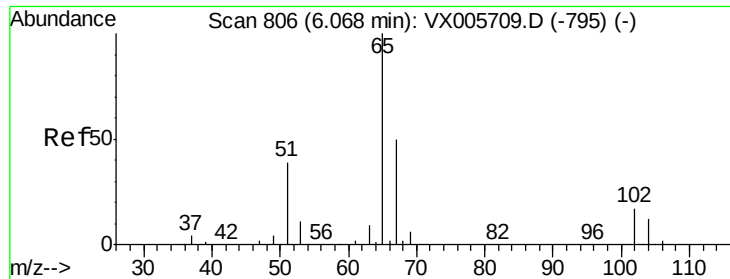
1000

500

0

Time--> 5.55 5.60 5.65 5.70 5.75

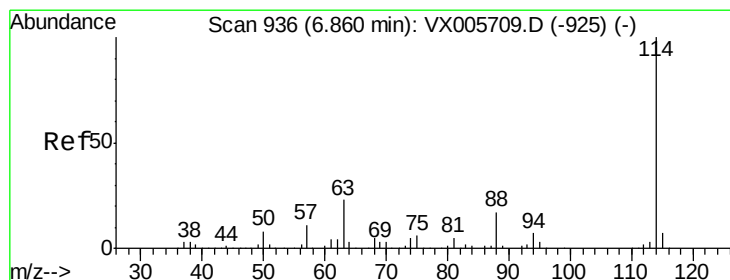
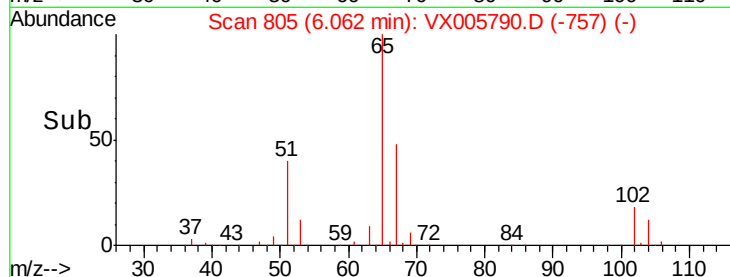
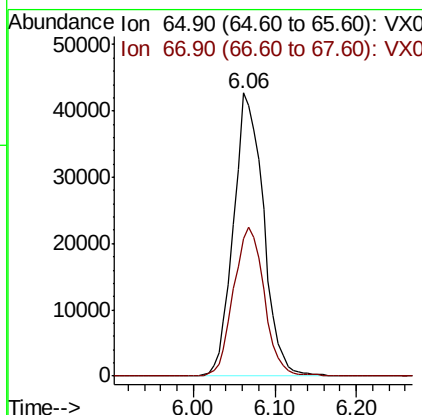
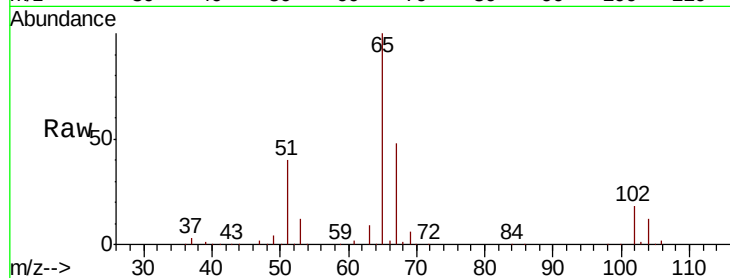




#33
 1,2-Dichloroethane-d4
 Concen: 50.880 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.01 min
 Lab File: VX005790.D
 Acq: 05 Nov 2018 20:30

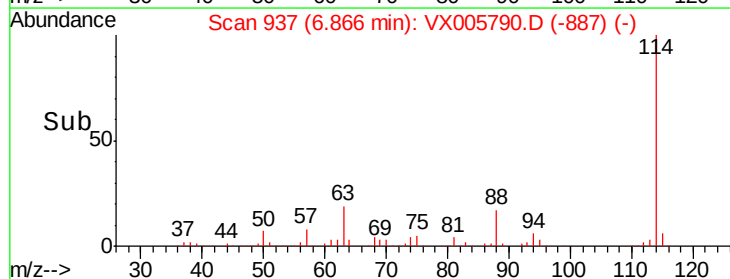
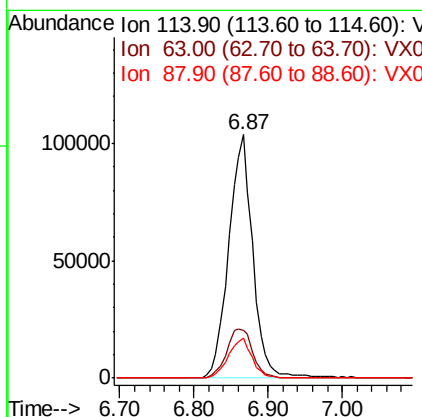
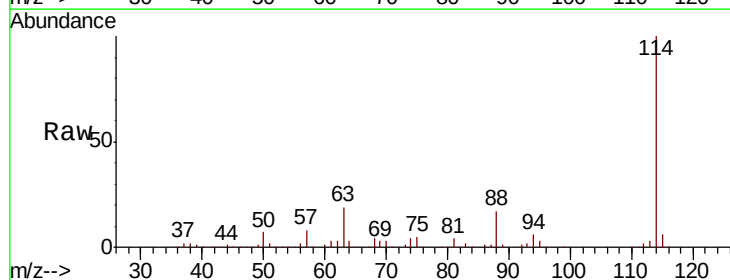
Instrument :
 MSVOA_X
 ClientSampleId :

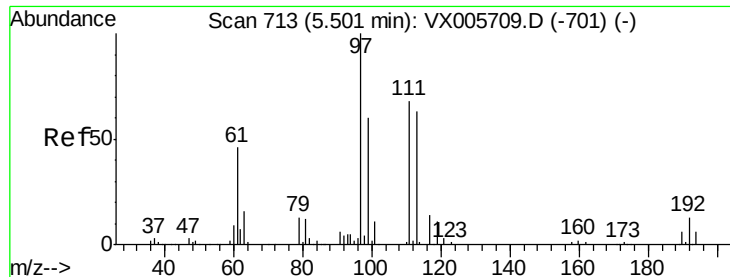
Tot Ion: 65 Resp: 108673
 Ion Ratio Lower Upper
 65 100
 67 53.9 0.0 105.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.87 min Scan# 937
 Delta R.T. 0.01 min
 Lab File: VX005790.D
 Acq: 05 Nov 2018 20:30

Tgt Ion: 114 Resp: 233998
 Ion Ratio Lower Upper
 114 100
 63 19.4 0.0 42.8
 88 16.6 0.0 31.2





#35

Dibromofluoromethane

Concen: 49.101 ug/l

RT: 5.51 min Scan# 714

Delta R.T. 0.01 min

Lab File: VX005790.D

Acq: 05 Nov 2018 20:30

Instrument :

MSVOA_X

ClientSampleId :

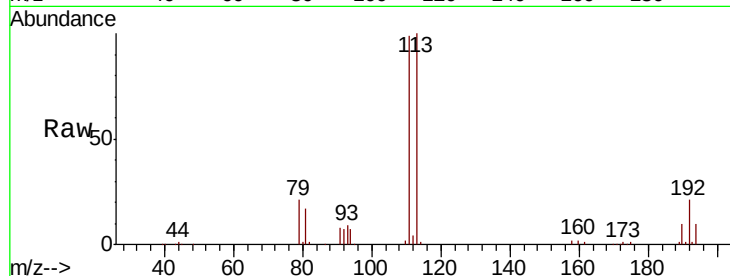
Tot Ion:113 Resp: 79555

Ion Ratio Lower Upper

113 100

111 106.5 82.3 123.5

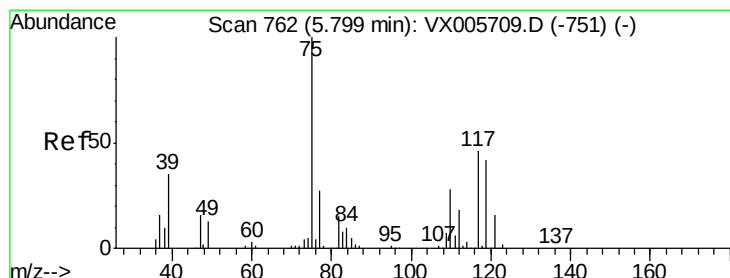
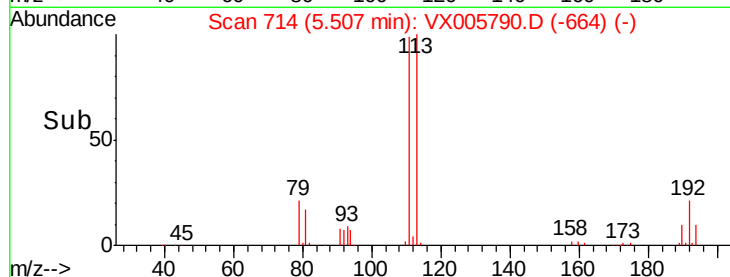
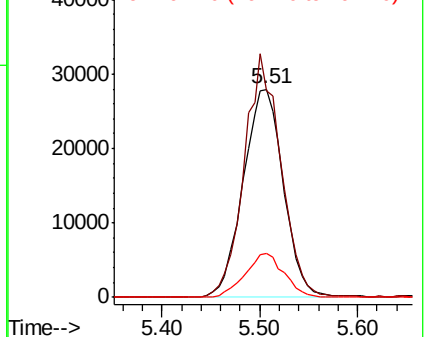
192 20.5 17.9 26.9



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: 4.974 ug/l

RT: 5.67 min Scan# 741

Delta R.T. -0.13 min

Lab File: VX005790.D

Acq: 05 Nov 2018 20:30

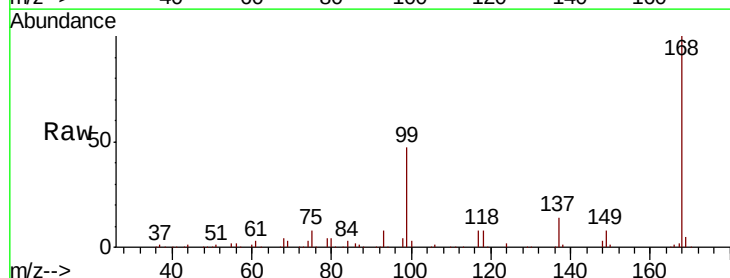
Tgt Ion: 75 Resp: 12401

Ion Ratio Lower Upper

75 100

110 8.3 17.4 52.2#

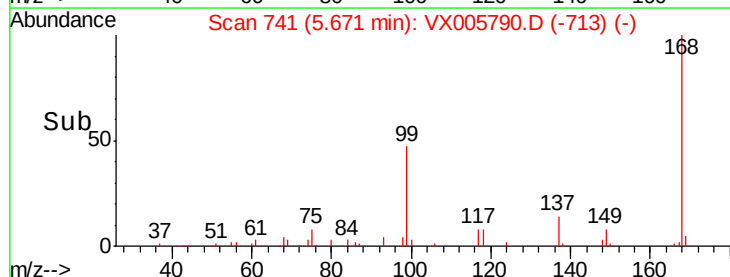
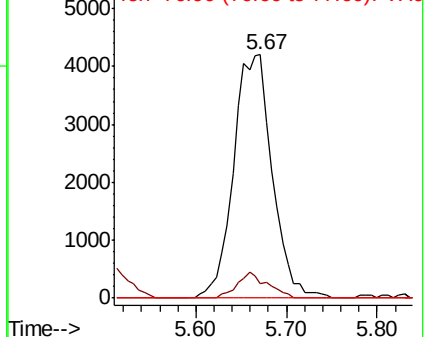
77 0.0 25.8 38.6#

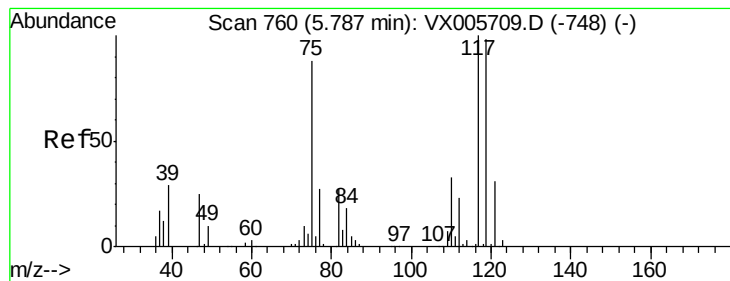


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.252 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.13 min

Lab File: VX005790.D

Acq: 05 Nov 2018 20:30

Instrument :

MSVOA_X

ClientSampleId :

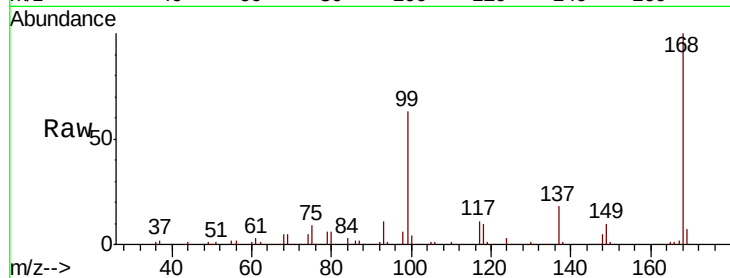
Tot Ion:117 Resp: 14082

Ion Ratio Lower Upper

117 100

119 6.7 78.1 117.1#

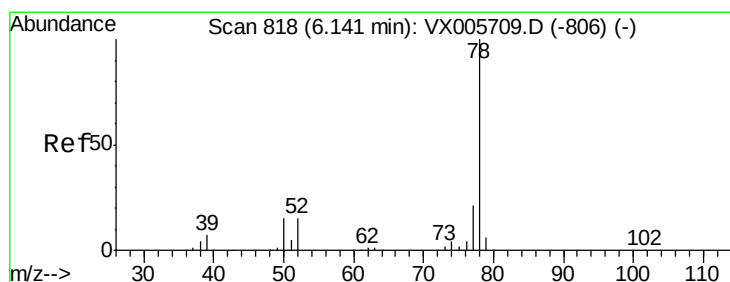
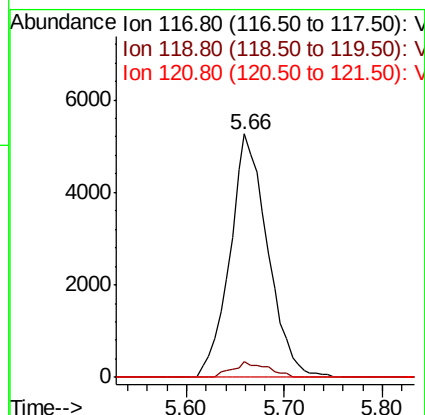
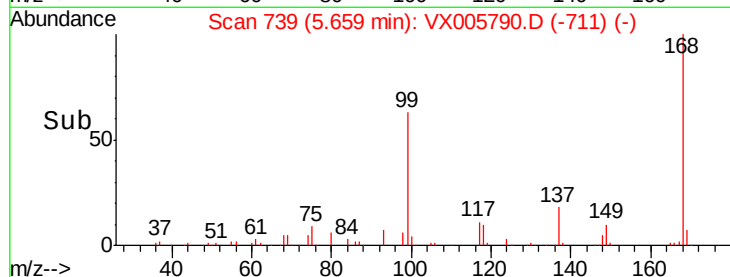
121 0.0 24.6 36.8#



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



#40

Benzene

Concen: 0.237 ug/l

RT: 6.14 min Scan# 818

Delta R.T. 0.00 min

Lab File: VX005790.D

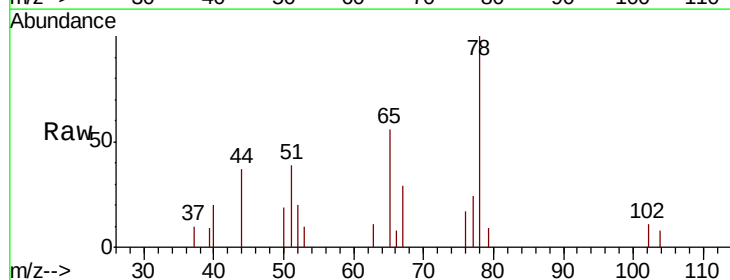
Acq: 05 Nov 2018 20:30

Tgt Ion: 78 Resp: 1755

Ion Ratio Lower Upper

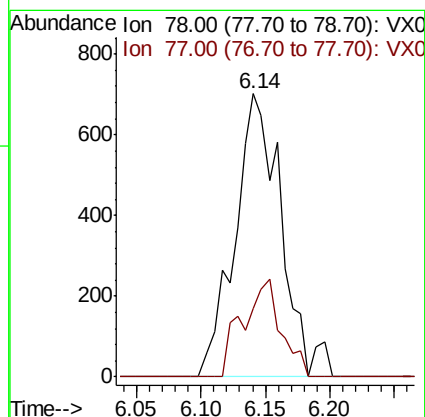
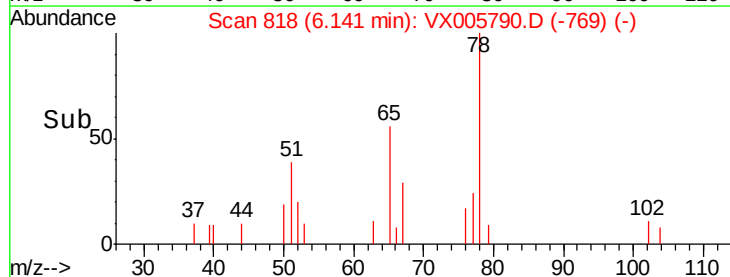
78 100

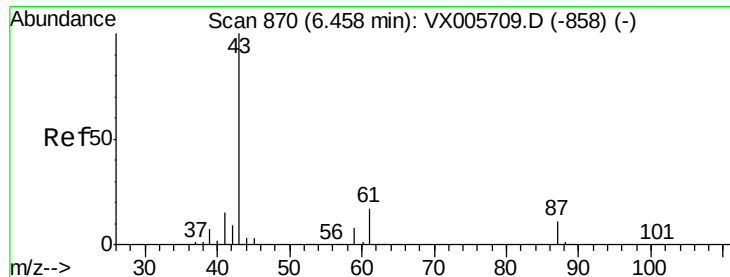
77 24.4 18.4 27.6



Abundance Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0



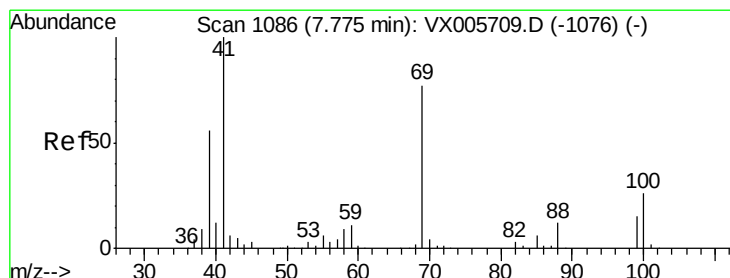
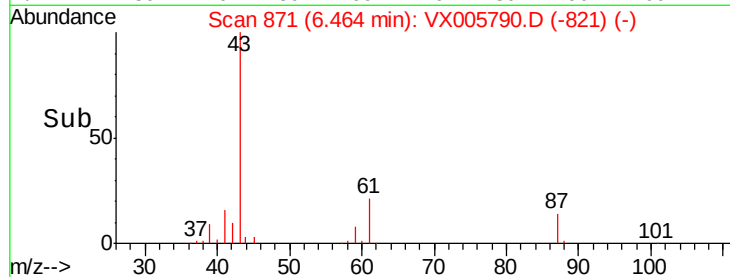
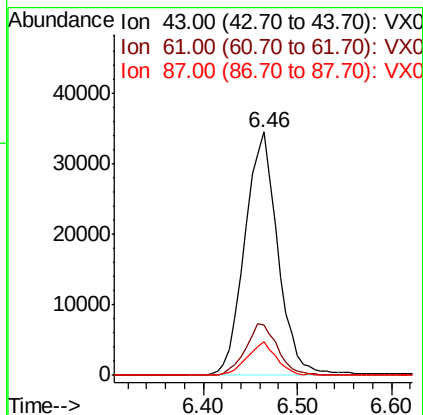
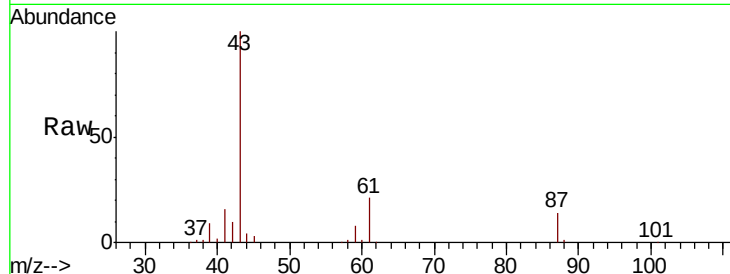


#43

Isopropyl Acetate
 Concen: 18.269 ug/l
 RT: 6.46 min Scan# 871
 Delta R.T. 0.01 min
 Lab File: VX005790.D
 Acq: 05 Nov 2018 20:30

Instrument :
 MSVOA_X
 ClientSampleId :

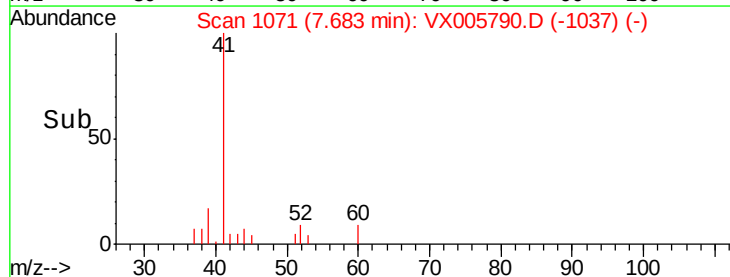
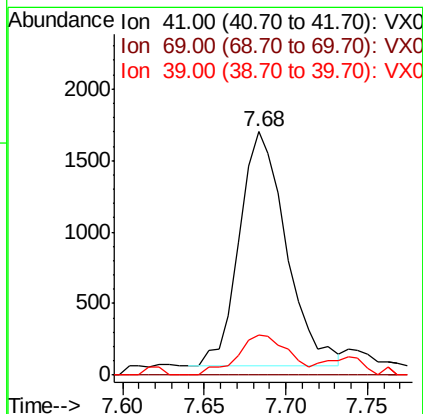
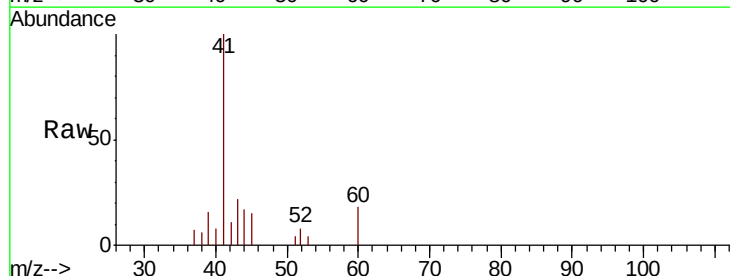
Tot Ion	43	Resp	84338
Ion Ratio	100	Lower	Upper
61	20.7	14.6	22.0
87	12.4	9.6	14.4

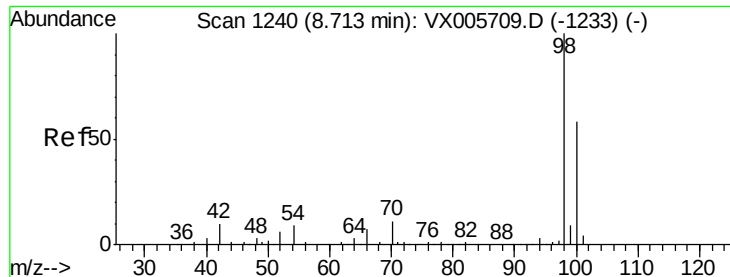


#48

Methyl methacrylate
 Concen: 1.466 ug/l
 RT: 7.68 min Scan# 1071
 Delta R.T. -0.09 min
 Lab File: VX005790.D
 Acq: 05 Nov 2018 20:30

Tgt Ion	41	Resp	3276
Ion Ratio	100	Lower	Upper
69	0.0	63.2	94.8#
39	18.8	42.2	63.2#





#50

Toluene-d8

Concen: 51.590 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX005790.D

Acq: 05 Nov 2018 20:30

Instrument :

MSVOA_X

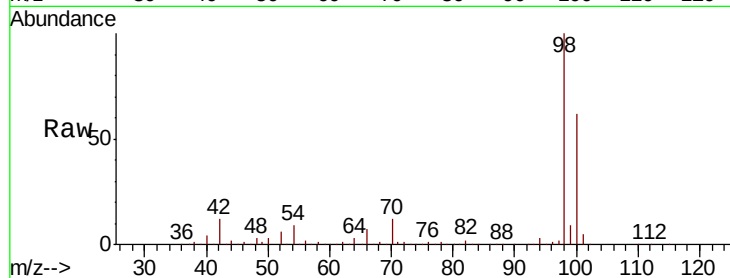
ClientSampled :

Tot Ion: 98 Resp: 293169

Ion Ratio Lower Upper

98 100

100 61.6 51.3 76.9



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

8.71

200000

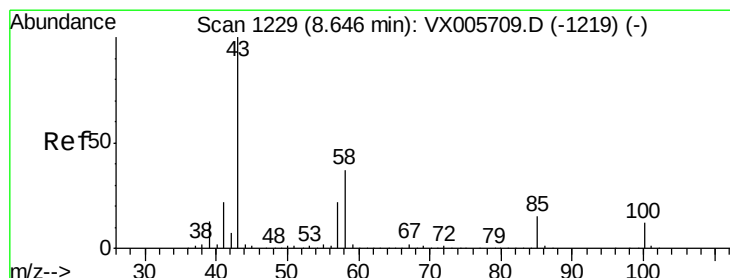
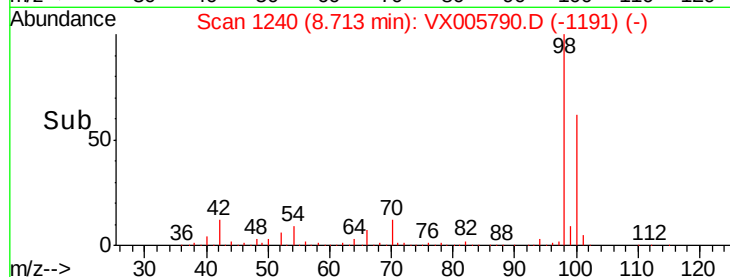
150000

100000

50000

0

Time-->



#51

4-Methyl-2-Pentanone

Concen: 0.335 ug/l

RT: 8.62 min Scan# 1225

Delta R.T. -0.02 min

Lab File: VX005790.D

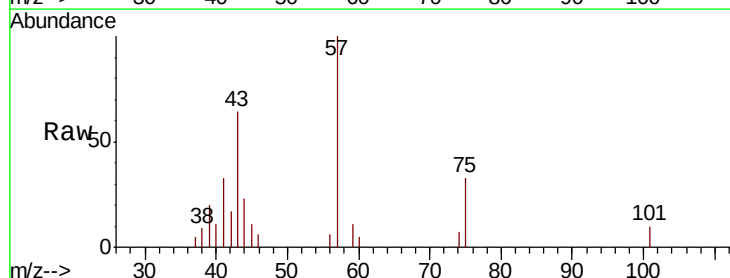
Acq: 05 Nov 2018 20:30

Tgt Ion: 43 Resp: 1056

Ion Ratio Lower Upper

43 100

58 0.0 29.7 44.5#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

8.62

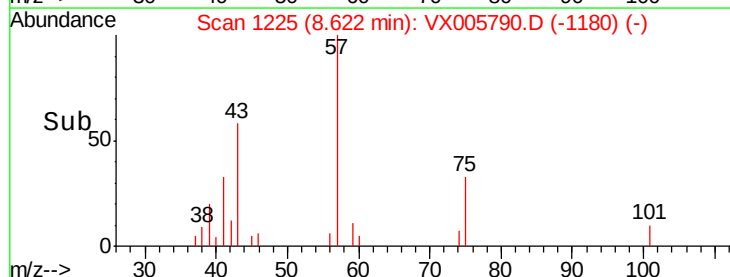
600

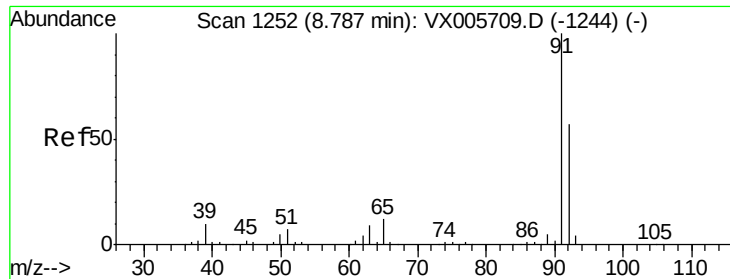
400

200

0

Time-->





#52

Toluene

Concen: 0.239 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.01 min

Lab File: VX005790.D

Acq: 05 Nov 2018 20:30

Instrument :

MSVOA_X

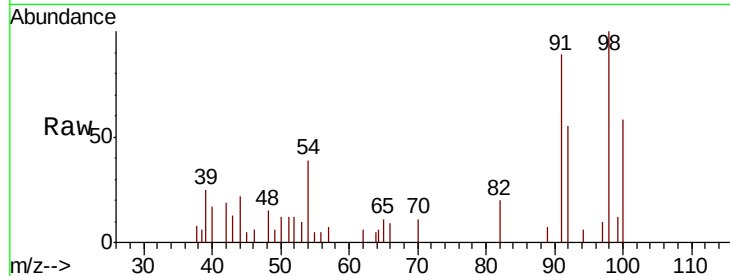
ClientSampled :

Tot Ion: 92 Resp: 960

Ion Ratio Lower Upper

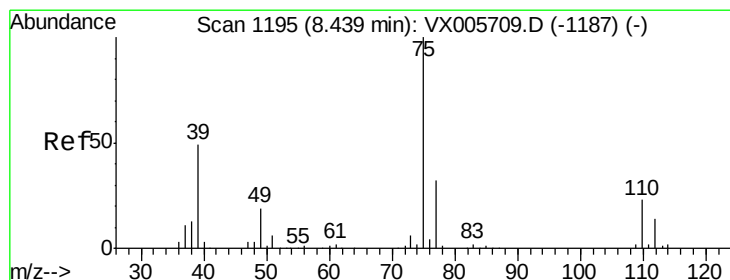
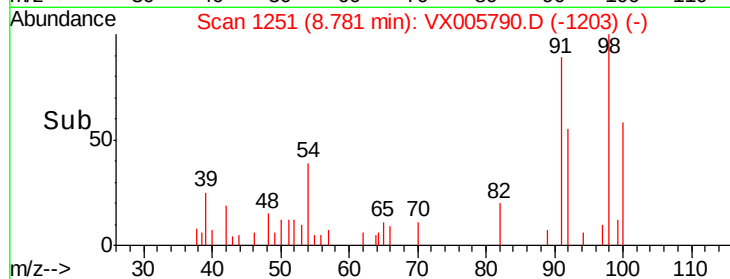
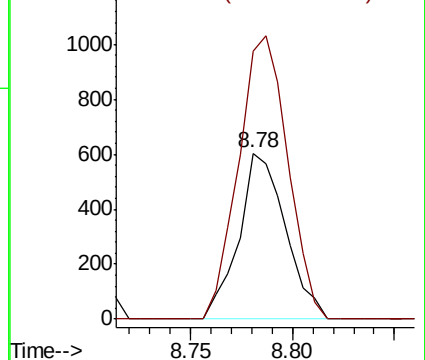
92 100

91 180.0 140.4 210.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0



#54

cis-1,3-Dichloropropene

Concen: 0.201 ug/l

RT: 8.62 min Scan# 1224

Delta R.T. 0.18 min

Lab File: VX005790.D

Acq: 05 Nov 2018 20:30

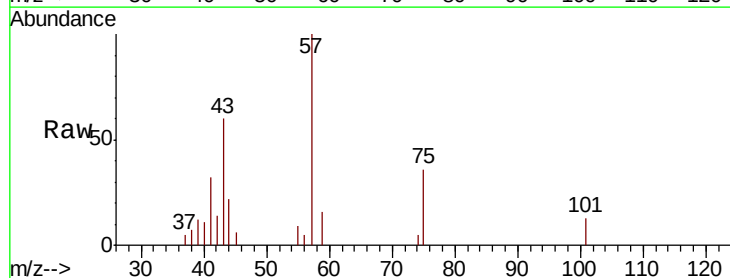
Tgt Ion: 75 Resp: 533

Ion Ratio Lower Upper

75 100

77 0.0 25.2 37.8#

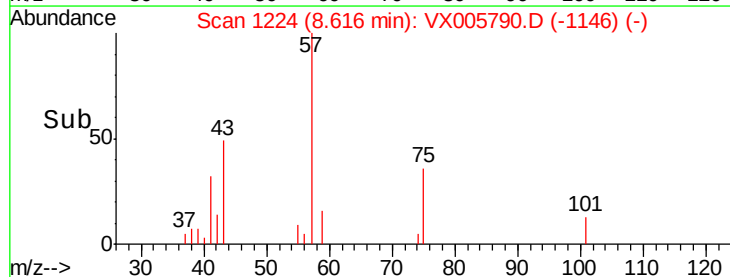
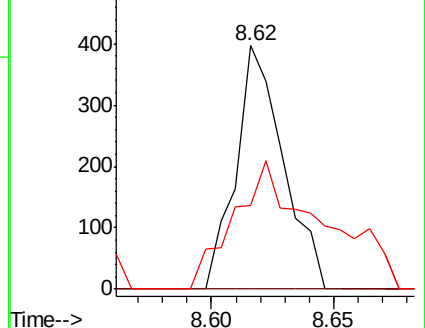
39 34.5 38.2 57.2#

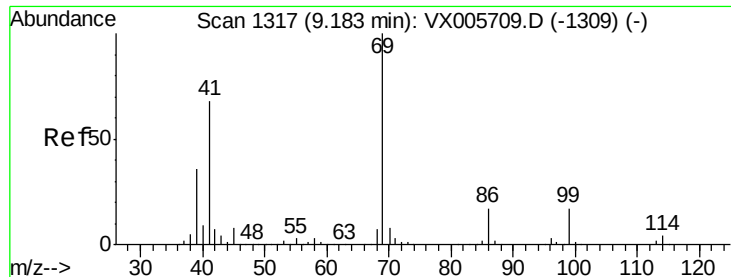


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0





#56

Ethyl methacrylate

Concen: 2.492 ug/l

RT: 9.38 min Scan# 1349

Delta R.T. 0.20 min

Lab File: VX005790.D

Acq: 05 Nov 2018 20:30

Instrument :
MSVOA_X
ClientSampleId :

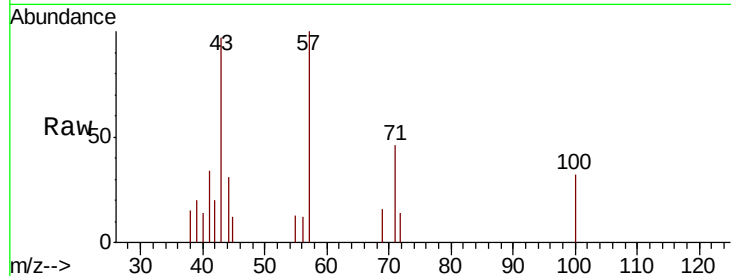
Tot Ion: 69 Resp: 66

Ion Ratio Lower Upper

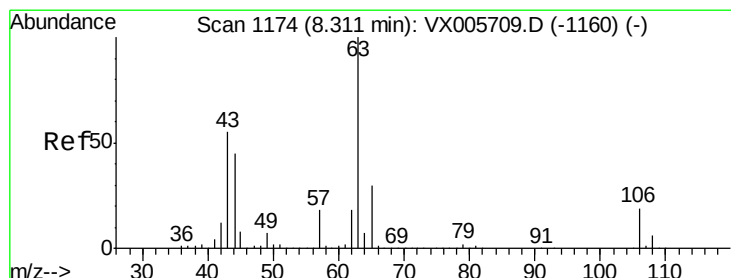
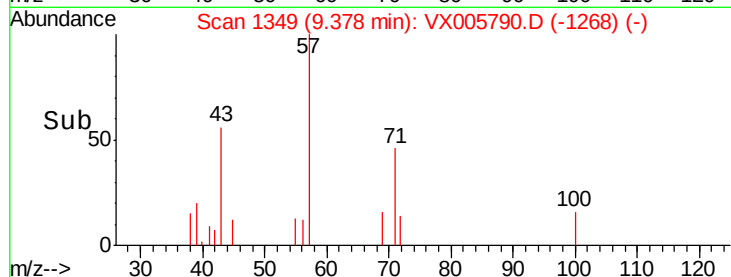
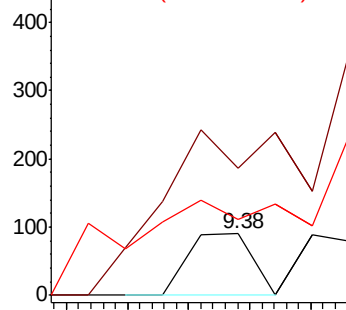
69 100

41 0.0 57.0 85.6#

39 324.2 28.3 42.5#



Abundance Ion 69.00 (68.70 to 69.70): VX0
Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 10.349 ug/l

RT: 8.49 min Scan# 1203

Delta R.T. 0.18 min

Lab File: VX005790.D

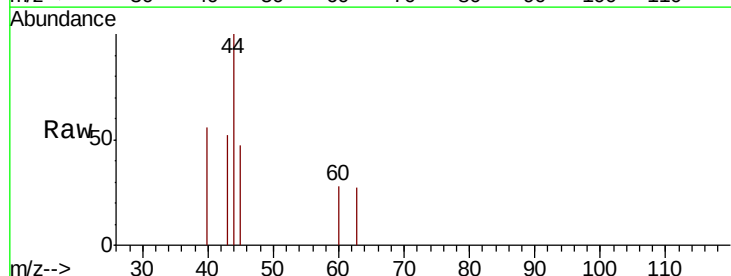
Acq: 05 Nov 2018 20:30

Tgt Ion: 63 Resp: 19

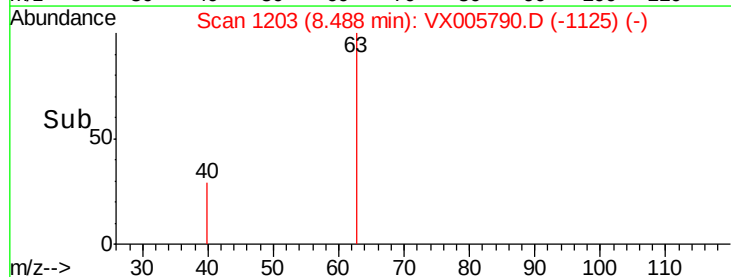
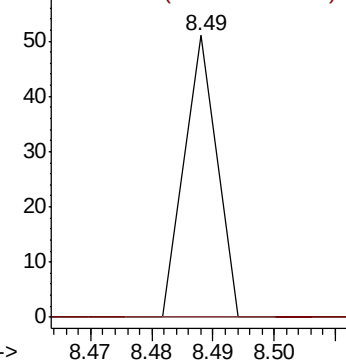
Ion Ratio Lower Upper

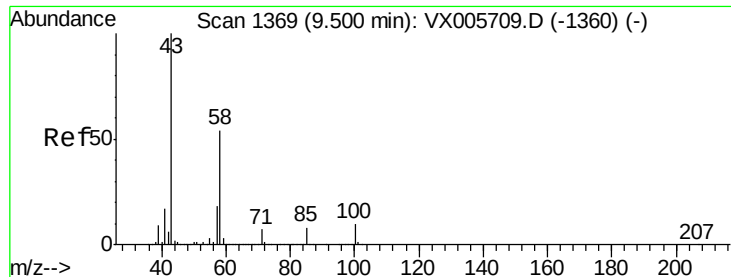
63 100

106 0.0 21.3 31.9#



Abundance Ion 62.90 (62.60 to 63.60): VX0
Ion 105.90 (105.60 to 106.60): V

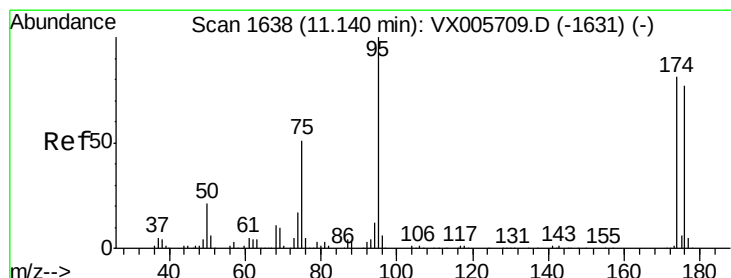
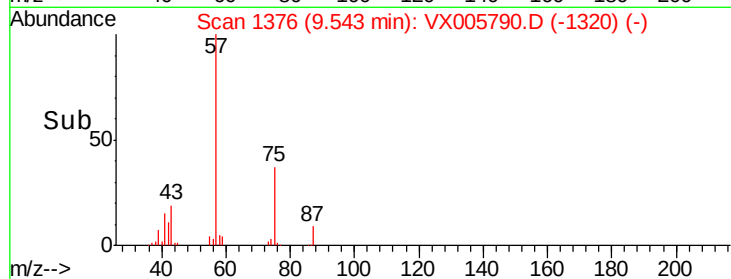
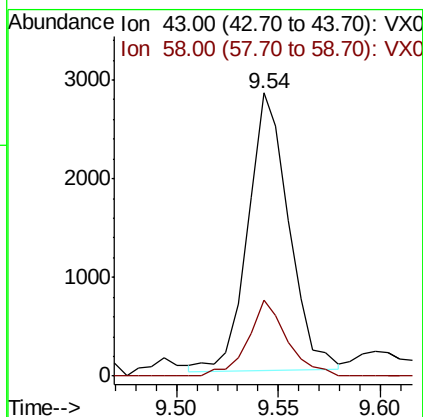
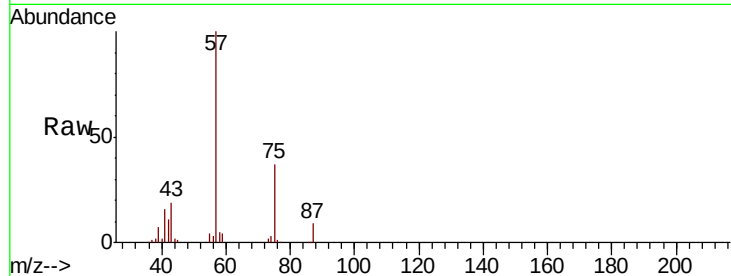




#59
2-Hexanone
Concen: 1.533 ug/l
RT: 9.54 min Scan# 1376
Delta R.T. 0.04 min
Lab File: VX005790.D
Acq: 05 Nov 2018 20:30

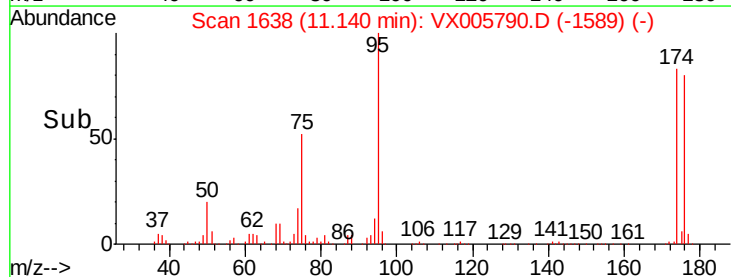
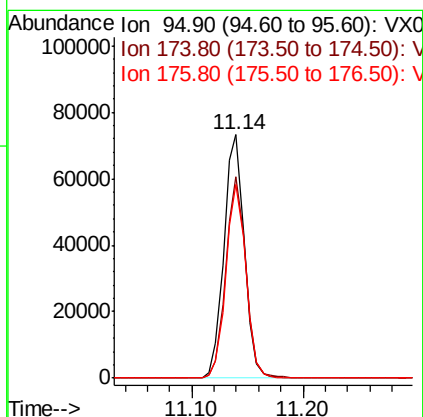
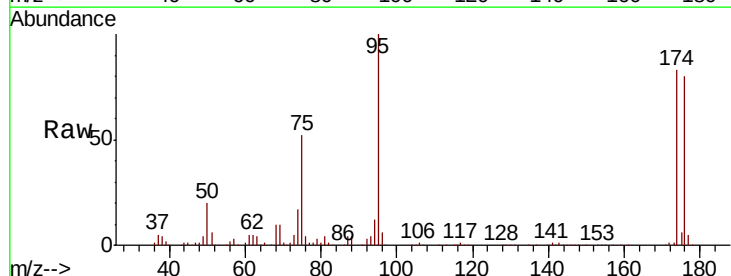
Instrument :
MSVOA_X
ClientSampleId :

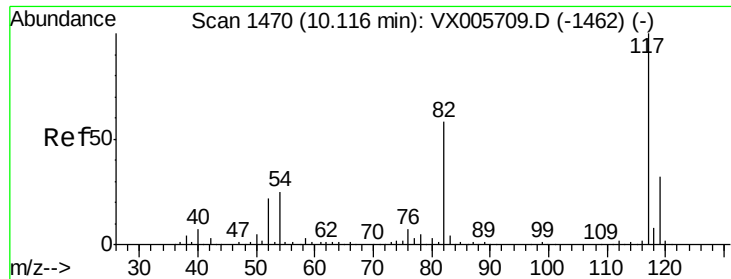
Tot Ion: 43 Resp: 3928
Ion Ratio Lower Upper
43 100
58 26.2 25.9 77.8



#62
4-Bromofluorobenzene
Concen: 44.451 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. 0.00 min
Lab File: VX005790.D
Acq: 05 Nov 2018 20:30

Tgt Ion: 95 Resp: 93226
Ion Ratio Lower Upper
95 100
174 81.0 0.0 184.4
176 78.1 0.0 177.4

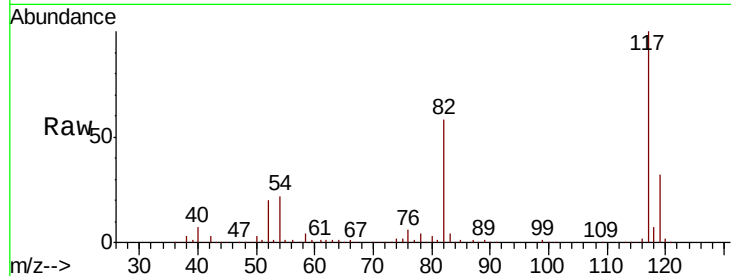




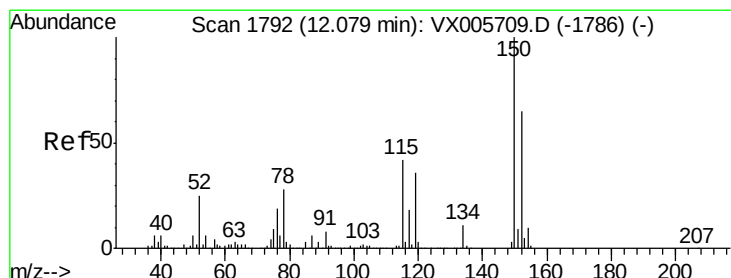
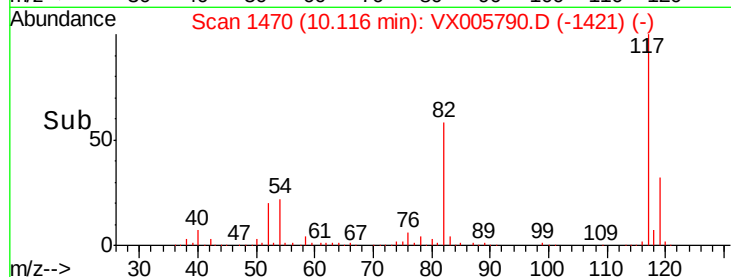
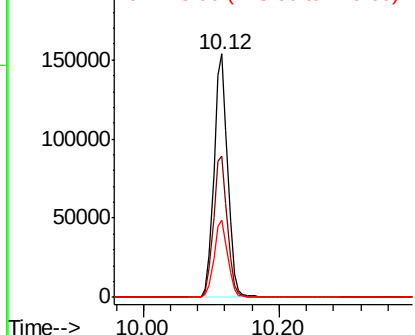
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VX005790.D
Acq: 05 Nov 2018 20:30

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:117 Resp: 213998
Ion Ratio Lower Upper
117 100
82 58.1 44.1 66.1
119 32.0 26.2 39.2

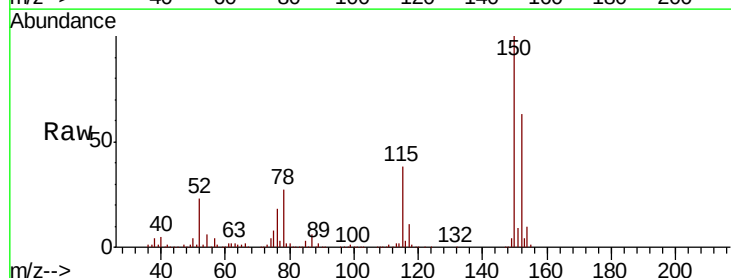


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

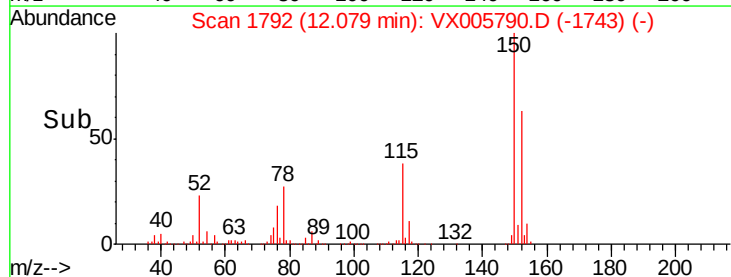
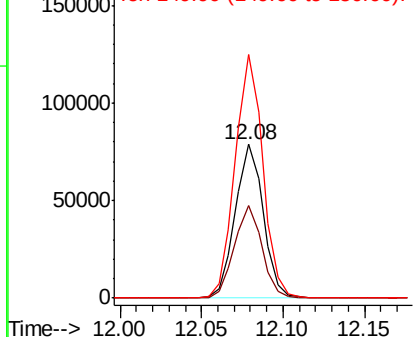


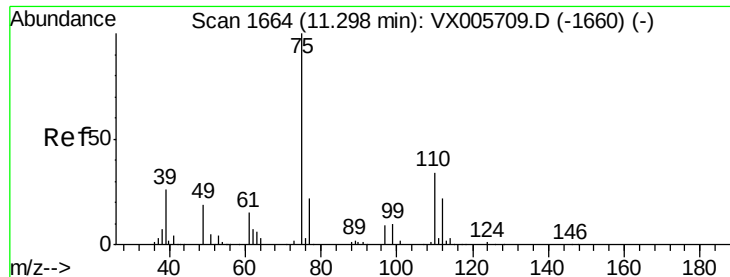
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX005790.D
Acq: 05 Nov 2018 20:30

Tgt Ion:152 Resp: 93899
Ion Ratio Lower Upper
152 100
115 59.4 39.4 118.1
150 157.6 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

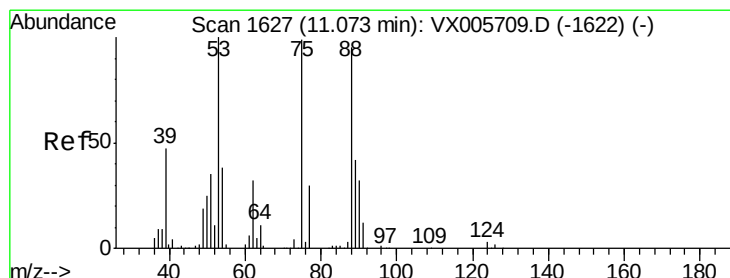
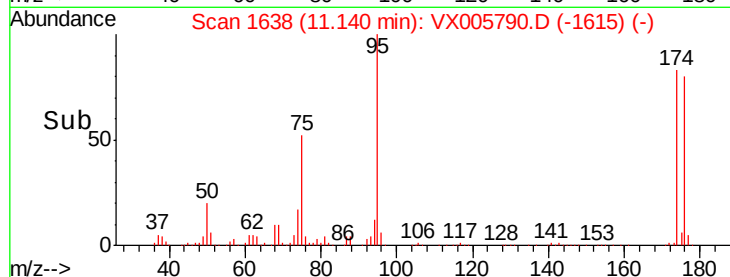
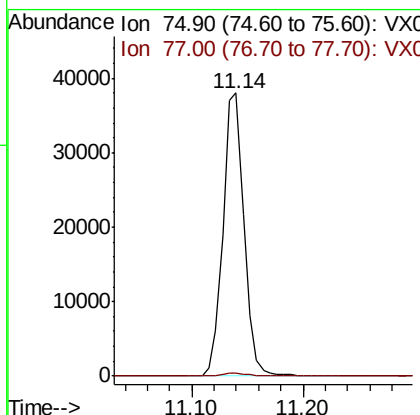
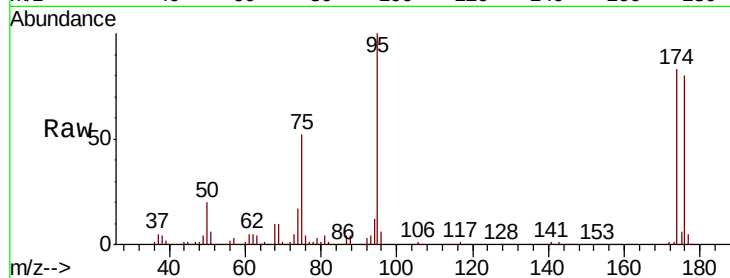




#76
 1,2,3-Trichloropropane
 Concen: 21.189 ug/l
 RT: 11.14 min Scan# 1638
 Delta R.T. -0.16 min
 Lab File: VX005790.D
 Acq: 05 Nov 2018 20:30

Instrument :
 MSVOA_X
 ClientSampled :

Tot Ion: 75 Resp: 49553
 Ion Ratio Lower Upper
 75 100
 77 1.4 20.5 61.6#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 68.459 ug/l
 RT: 11.14 min Scan# 1638
 Delta R.T. 0.07 min
 Lab File: VX005790.D
 Acq: 05 Nov 2018 20:30

Tgt Ion: 75 Resp: 49553
 Ion Ratio Lower Upper
 75 100
 53 0.3 80.2 120.2#
 89 0.0 39.8 59.8#

