

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX022819\
 Data File : VX007773.D
 Acq On : 28 Feb 2019 18:12
 Operator : JC/SP
 Sample : K1655-06
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 DUP1

Quant Time: Mar 01 01:32:50 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X022519W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 26 01:53:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	322681	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	504267	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	483192	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	232799	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	195160	48.83	ug/l	0.00
Spiked Amount			Recovery	=	97.66%	
35) Dibromofluoromethane	5.50	113	165527	49.11	ug/l	0.00
Spiked Amount			Recovery	=	98.22%	
50) Toluene-d8	8.71	98	618483	47.93	ug/l	0.00
Spiked Amount			Recovery	=	95.86%	
62) 4-Bromofluorobenzene	11.13	95	223263	47.14	ug/l	0.00
Spiked Amount			Recovery	=	94.28%	

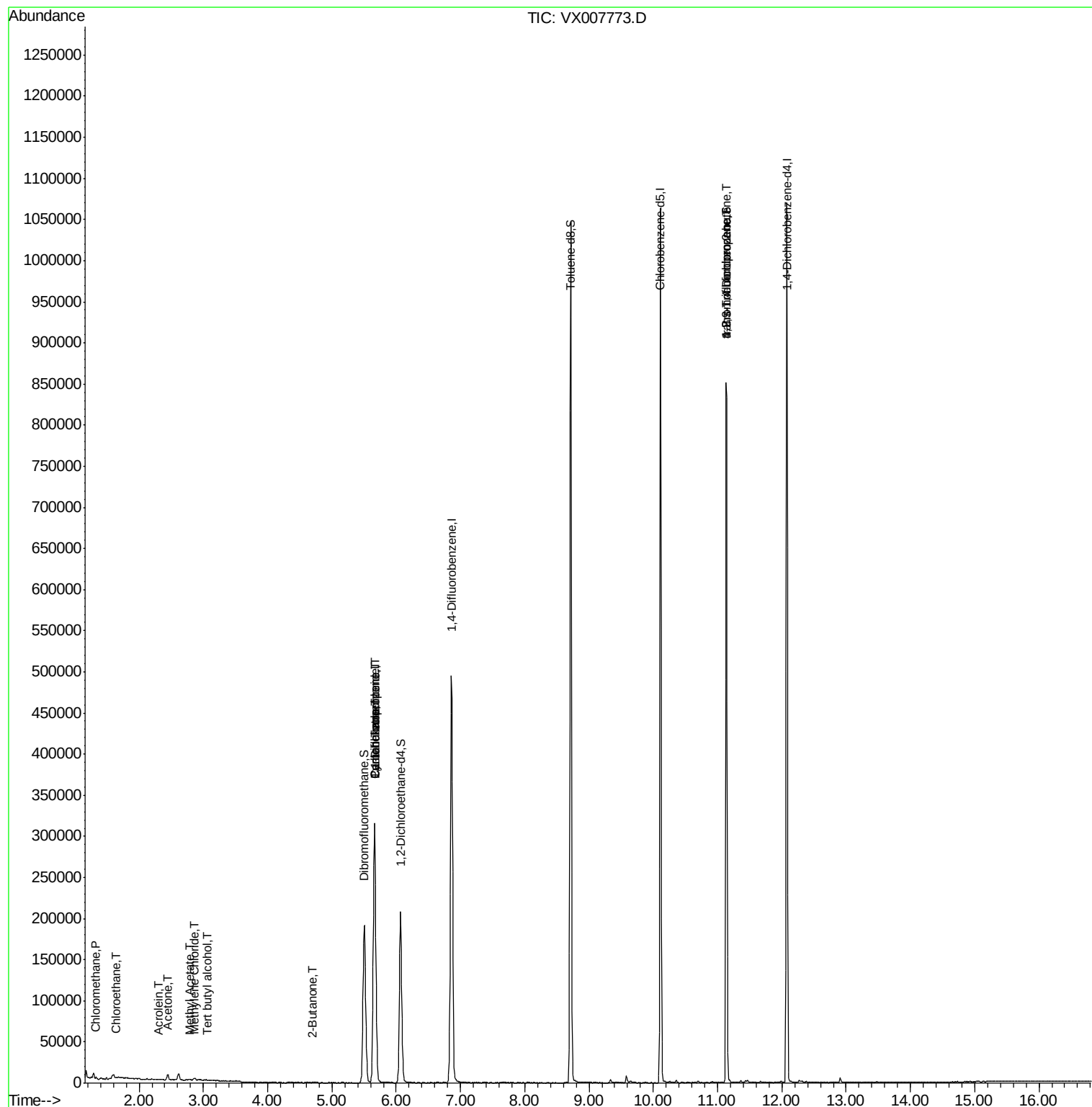
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	1486	0.451	ug/l	97
5) Bromomethane	1.67	94	423	Below Cal	#	48
6) Chloroethane	1.64	64	10038	4.649	ug/l #	59
11) Tert butyl alcohol	3.07	59	236	0.311	ug/l #	79
13) Acrolein	2.30	56	157	0.233	ug/l	96
16) Acetone	2.45	43	7150	4.023	ug/l	99
18) Methyl Acetate	2.78	43	865	0.223	ug/l	97
20) Methylene Chloride	2.86	84	1056	0.322	ug/l #	84
25) 2-Butanone	4.70	43	1195	0.441	ug/l	97
31) Cyclohexane	5.67	56	5727	1.031	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	21144	4.664	ug/l #	44
38) Carbon Tetrachloride	5.67	117	28445	6.246	ug/l #	17
76) 1,2,3-Trichloropropane	11.13	75	107775	21.719	ug/l #	32
81) trans-1,4-Dichloro-2-buten	11.13	75	107775	57.708	ug/l #	9

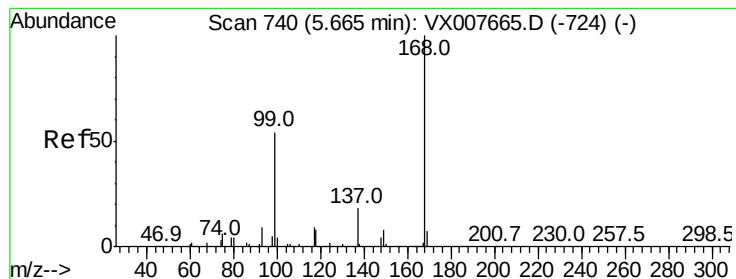
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX007773.D

Acq: 28 Feb 2019 18:12

Instrument :

MSVOA_X

ClientSampleId :

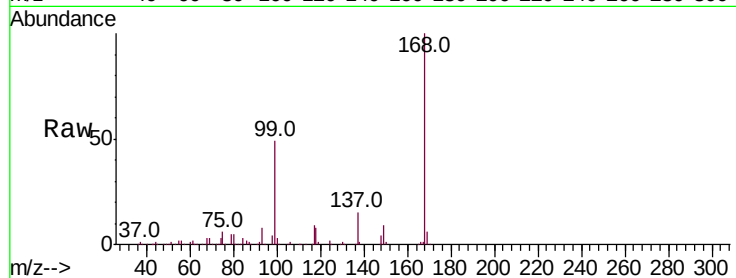
DUP1

Tot Ion:168 Resp: 322681

Ion Ratio Lower Upper

168 100

99 49.1 37.9 56.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

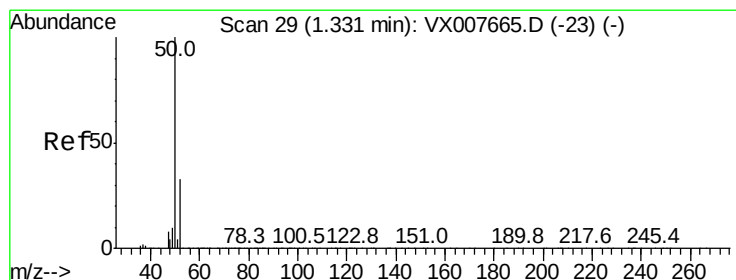
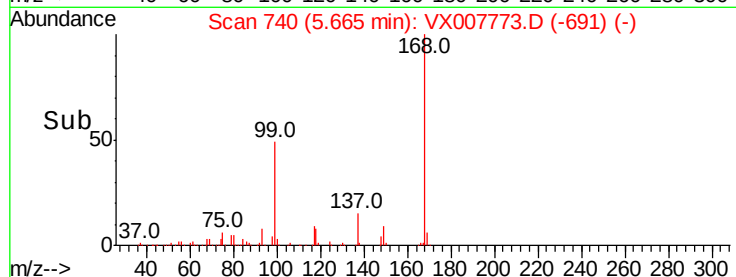
5.67

100000

50000

0

Time-->



#3

Chloromethane

Concen: 0.451 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.00 min

Lab File: VX007773.D

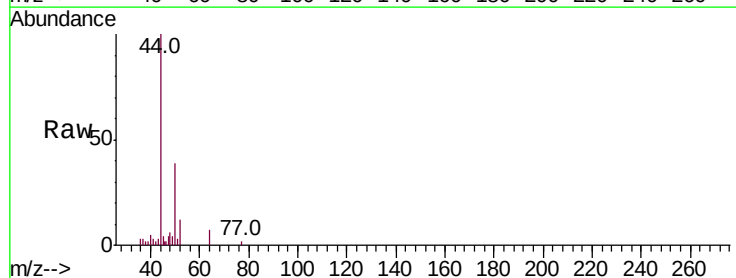
Acq: 28 Feb 2019 18:12

Tgt Ion: 50 Resp: 1486

Ion Ratio Lower Upper

50 100

52 31.0 26.1 39.1



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.33

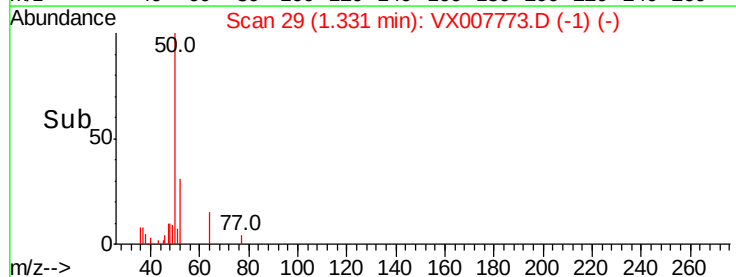
1500

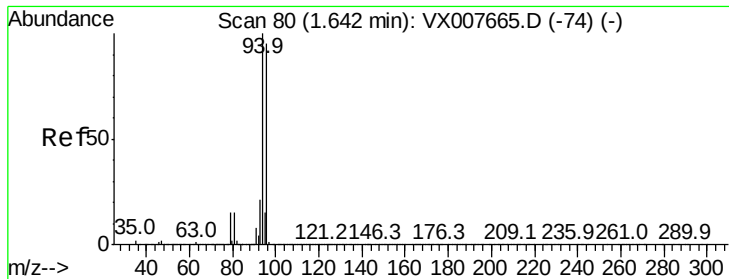
1000

500

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 1.67 min Scan# 85

Delta R.T. 0.03 min

Lab File: VX007773.D

Acq: 28 Feb 2019 18:12

Instrument :

MSVOA_X

ClientSampleId :

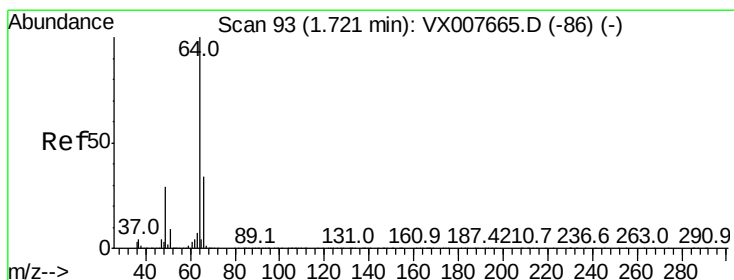
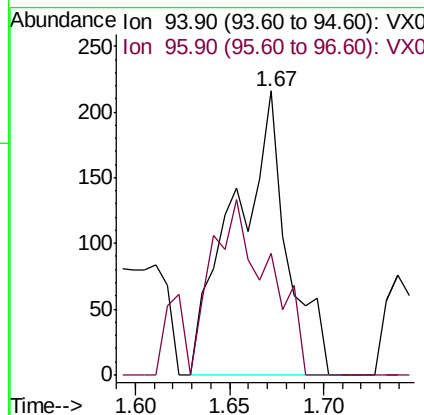
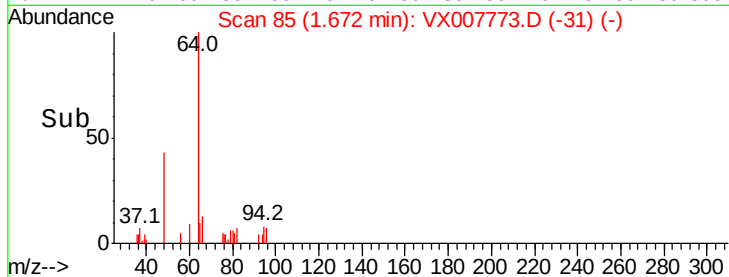
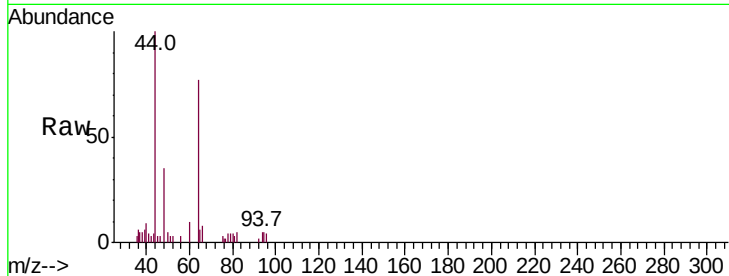
DUP1

Tot Ion: 94 Resp: 423

Ion Ratio Lower Upper

94 100

96 42.6 73.9 110.9#



#6

Chloroethane

Concen: 4.649 ug/l

RT: 1.64 min Scan# 80

Delta R.T. -0.08 min

Lab File: VX007773.D

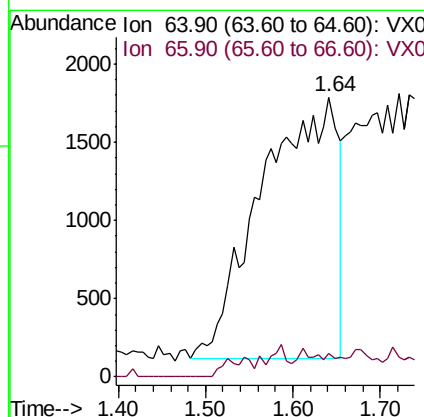
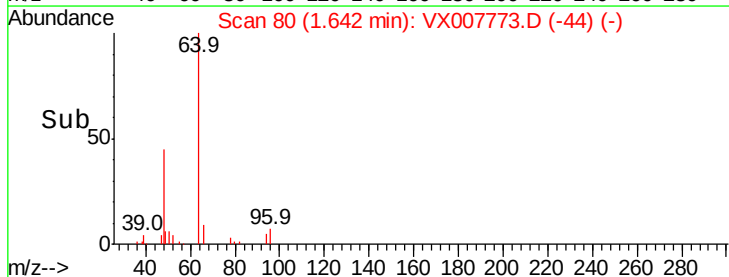
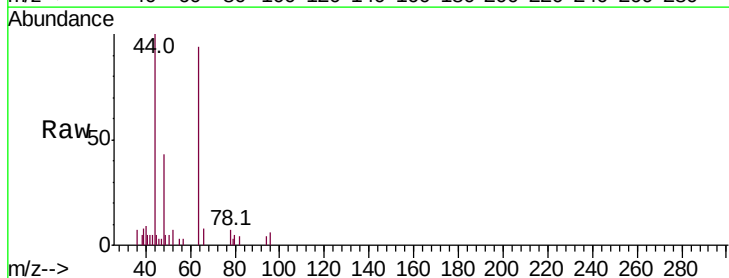
Acq: 28 Feb 2019 18:12

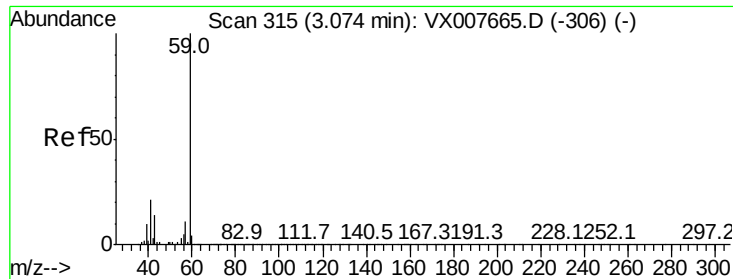
Tgt Ion: 64 Resp: 10038

Ion Ratio Lower Upper

64 100

66 8.8 25.5 38.3#



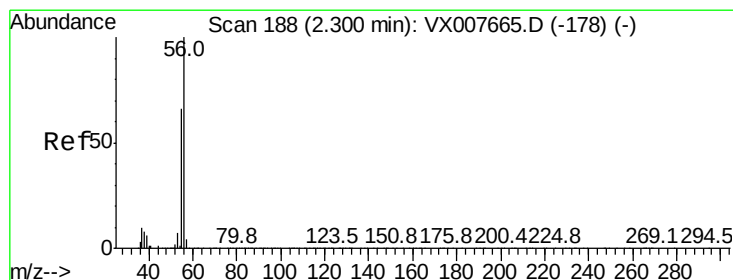
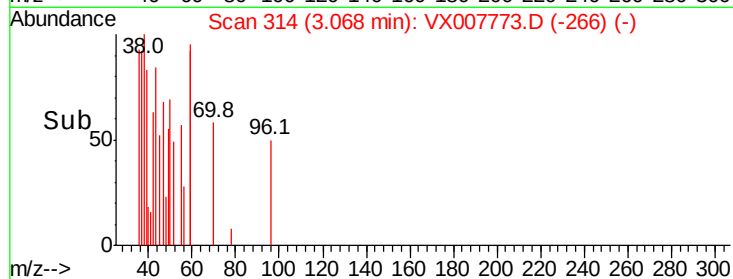
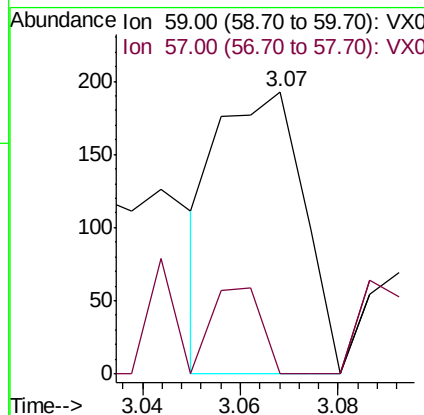
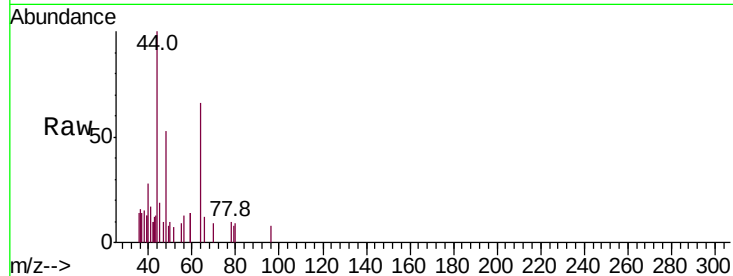


#11

Tert butyl alcohol
 Concen: 0.311 ug/l
 RT: 3.07 min Scan# 314
 Delta R.T. -0.01 min
 Lab File: VX007773.D
 Acq: 28 Feb 2019 18:12

Instrument :
 MSVOA_X
 ClientSampled :
 DUP1

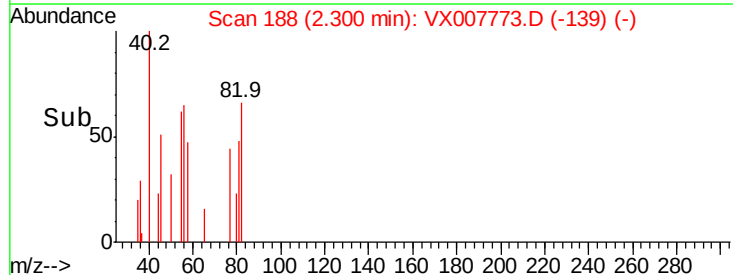
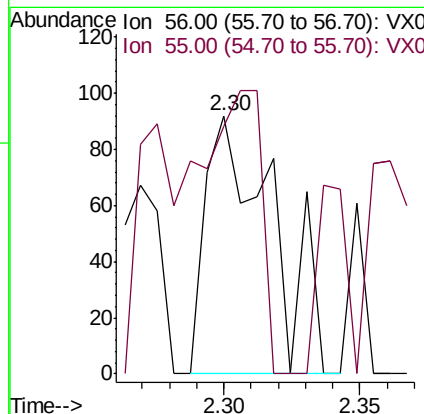
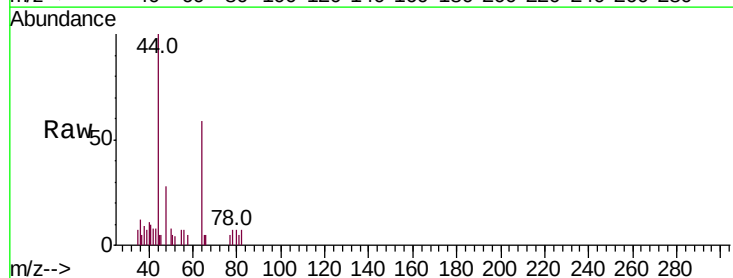
Tot Ion: 59 Resp: 236
 Ion Ratio Lower Upper
 59 100
 57 17.8 8.1 12.1#

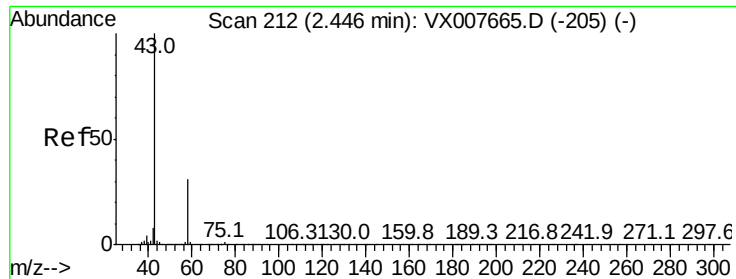


#13

Acrolein
 Concen: 0.233 ug/l
 RT: 2.30 min Scan# 188
 Delta R.T. 0.00 min
 Lab File: VX007773.D
 Acq: 28 Feb 2019 18:12

Tgt Ion: 56 Resp: 157
 Ion Ratio Lower Upper
 56 100
 55 67.5 56.9 85.3





#16

Acetone

Concen: 4.023 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX007773.D

Acq: 28 Feb 2019 18:12

Instrument :

MSVOA_X

ClientSampleId :

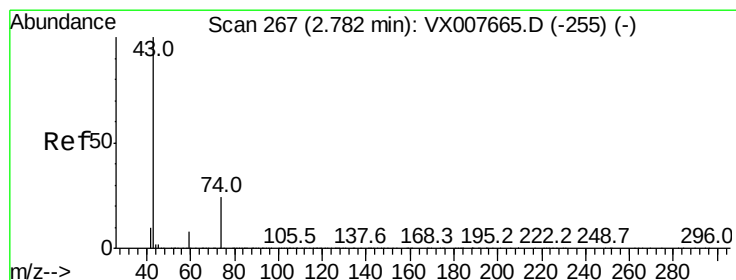
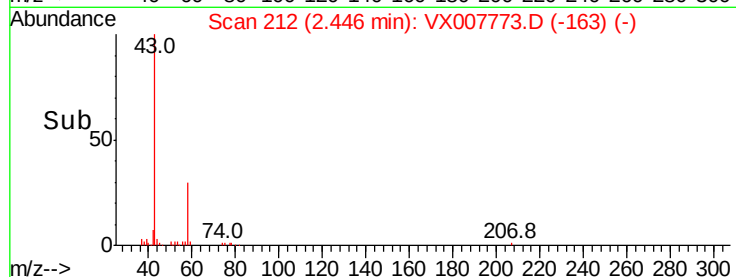
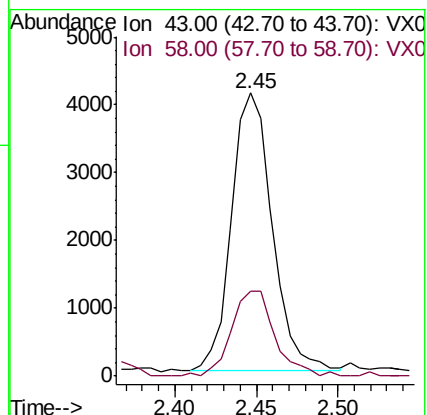
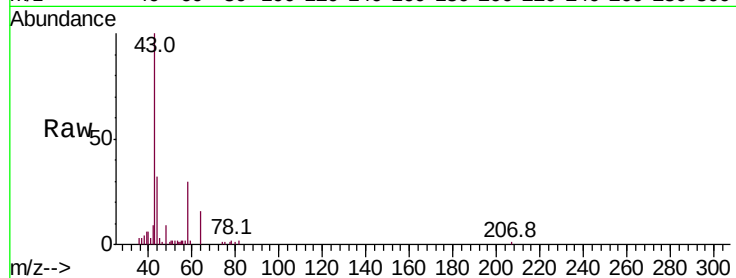
DUP1

Tot Ion: 43 Resp: 7150

Ion Ratio Lower Upper

43 100

58 30.4 24.9 37.3



#18

Methyl Acetate

Concen: 0.223 ug/l

RT: 2.78 min Scan# 267

Delta R.T. 0.00 min

Lab File: VX007773.D

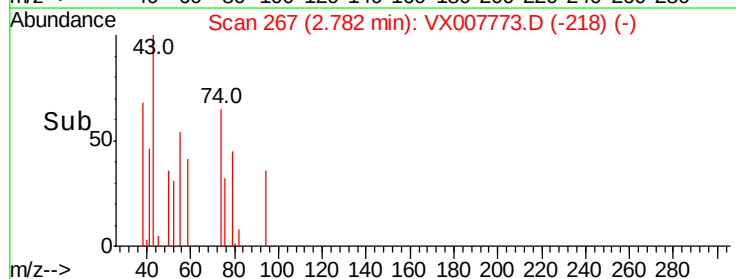
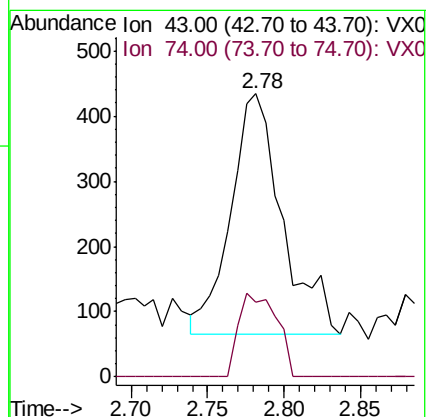
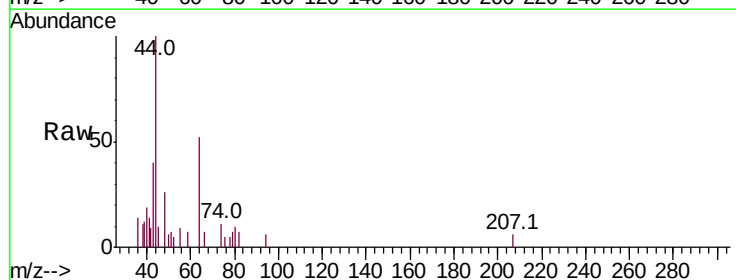
Acq: 28 Feb 2019 18:12

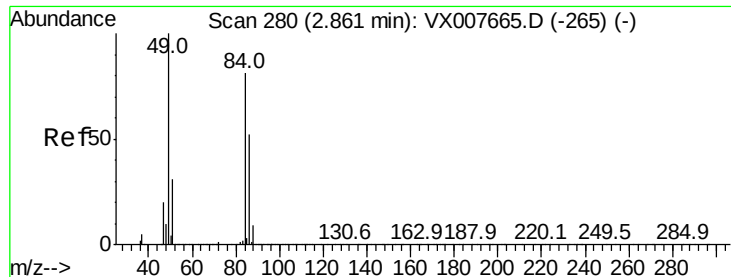
Tgt Ion: 43 Resp: 865

Ion Ratio Lower Upper

43 100

74 25.8 19.4 29.2

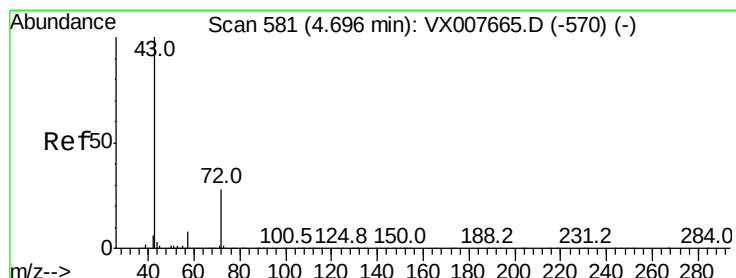
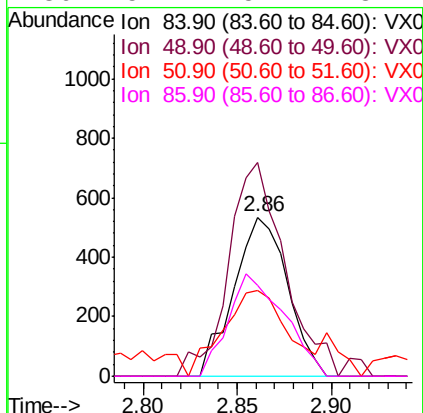
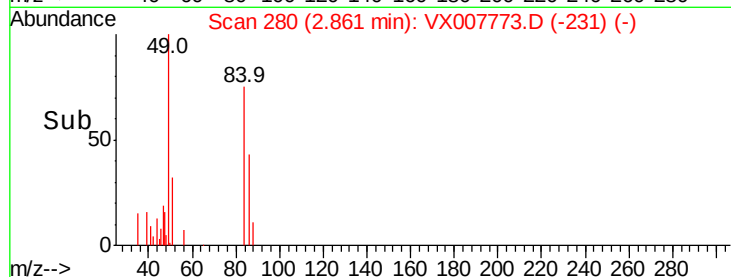
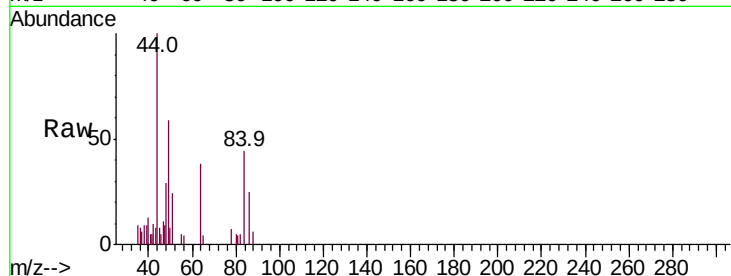




#20
Methvlene Chloride
Concen: 0.322 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.00 min
Lab File: VX007773.D
Acq: 28 Feb 2019 18:12

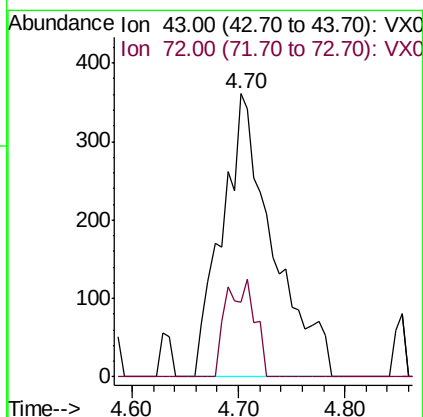
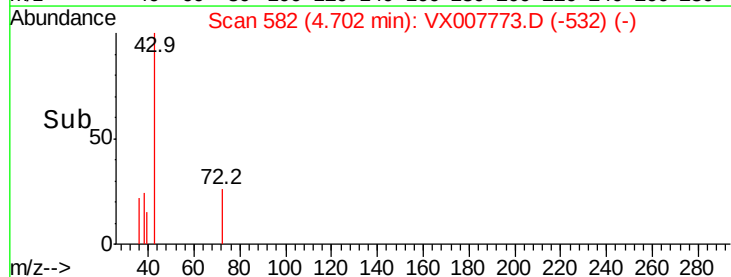
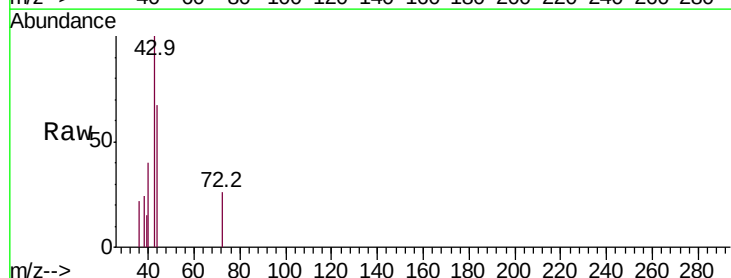
Instrument :
MSVOA_X
ClientSampled :
DUP1

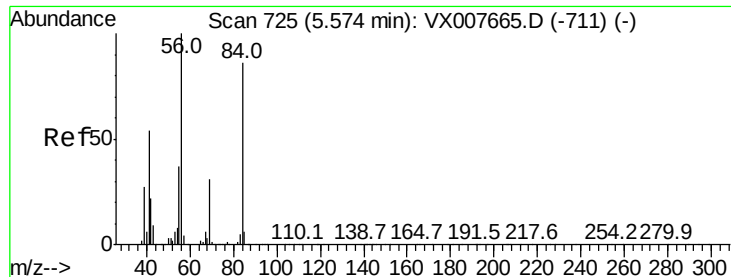
Tot Ion: 84 Resp: 1056
Ion Ratio Lower Upper
84 100
49 134.2 94.8 142.2
51 54.2 29.8 44.8#
86 57.2 54.1 81.1



#25
2-Butanone
Concen: 0.441 ug/l
RT: 4.70 min Scan# 582
Delta R.T. 0.01 min
Lab File: VX007773.D
Acq: 28 Feb 2019 18:12

Tgt Ion: 43 Resp: 1195
Ion Ratio Lower Upper
43 100
72 26.3 22.2 33.2

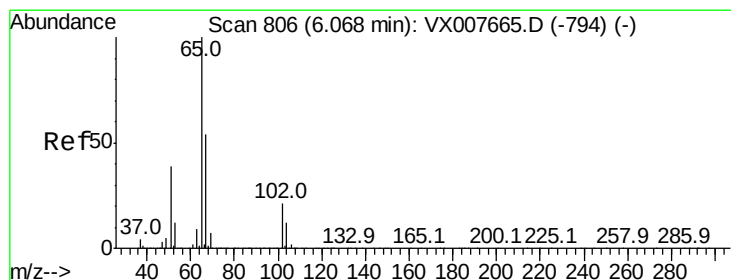
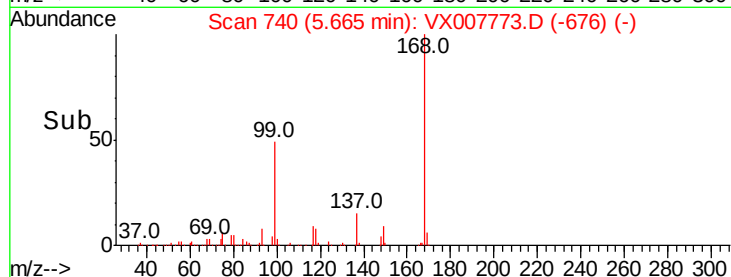
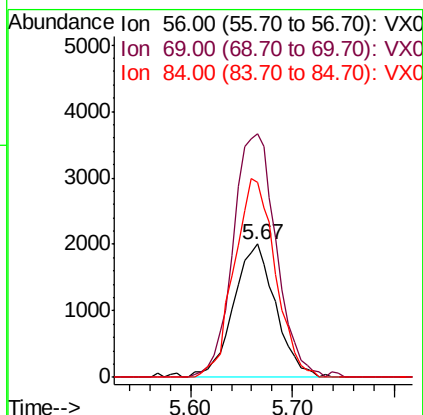
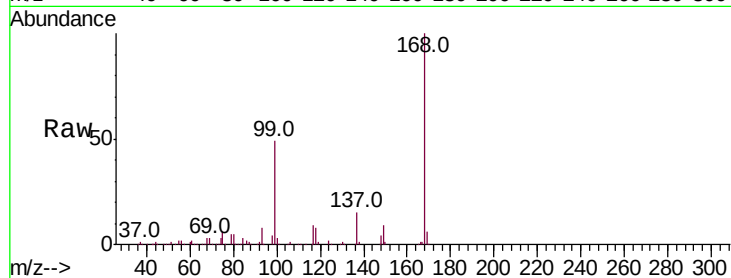




#31
Cyclohexane
Concen: 1.031 ug/l
RT: 5.67 min Scan# 740
Delta R.T. 0.09 min
Lab File: VX007773.D
Acq: 28 Feb 2019 18:12

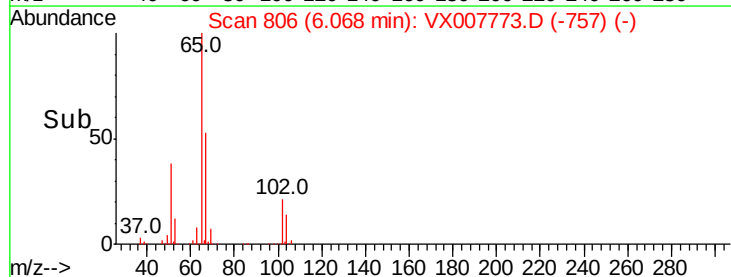
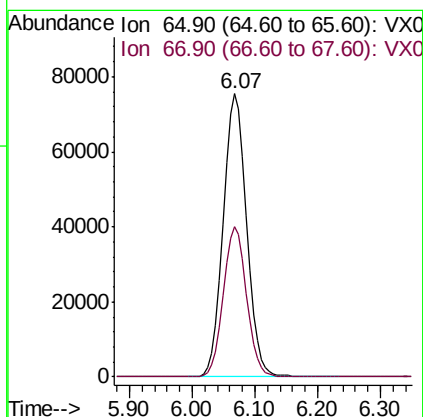
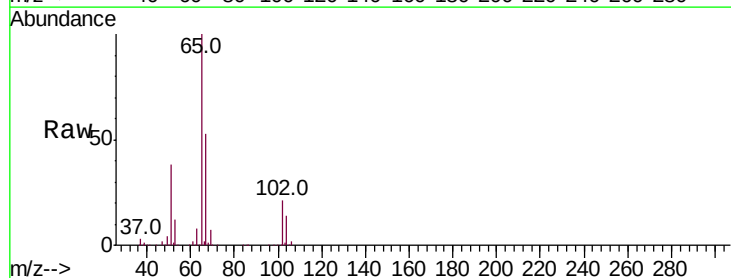
Instrument :
MSVOA_X
ClientSampled :
DUP1

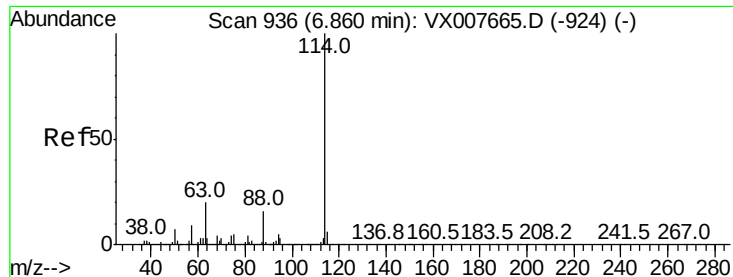
Tot Ion: 56 Resp: 5727
Ion Ratio Lower Upper
56 100
69 182.5 23.0 34.6#
84 146.4 69.8 104.6#



#33
1,2-Dichloroethane-d4
Concen: 48.827 ug/l
RT: 6.07 min Scan# 806
Delta R.T. 0.00 min
Lab File: VX007773.D
Acq: 28 Feb 2019 18:12

Tgt Ion: 65 Resp: 195160
Ion Ratio Lower Upper
65 100
67 52.7 0.0 108.8

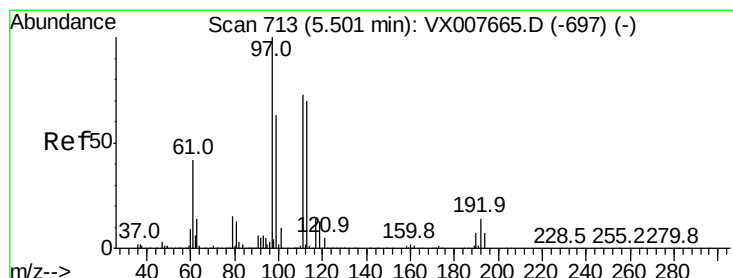
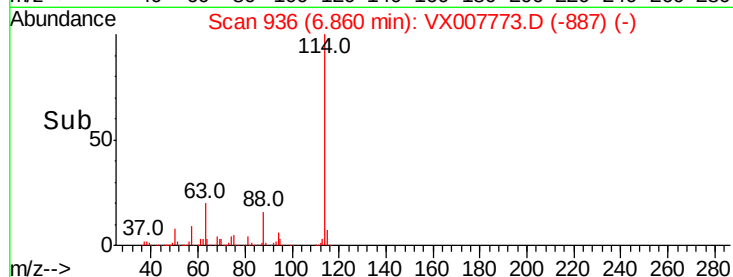
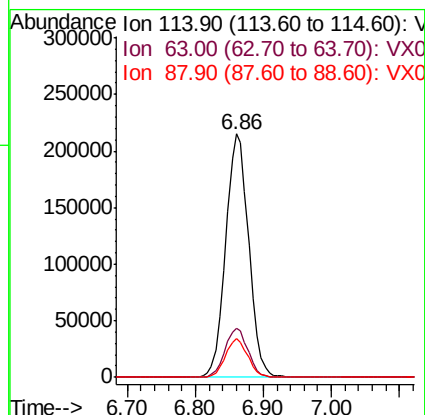
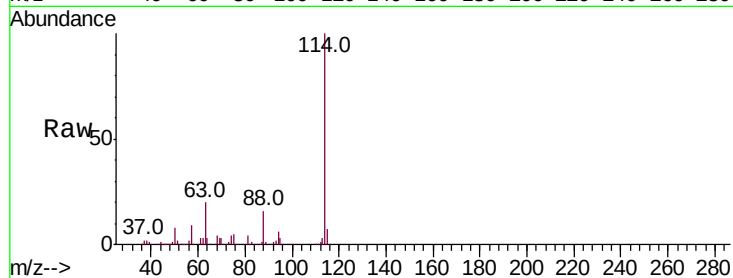




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX007773.D
 Acq: 28 Feb 2019 18:12

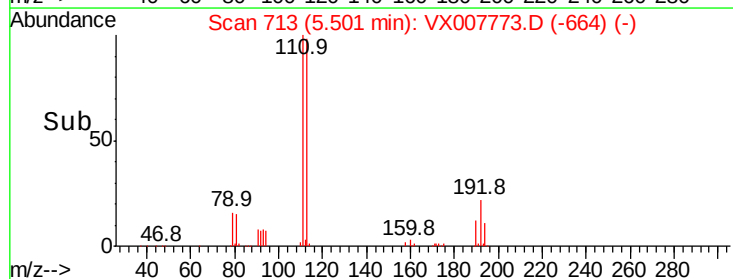
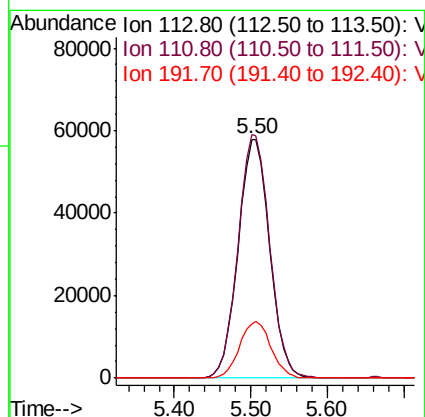
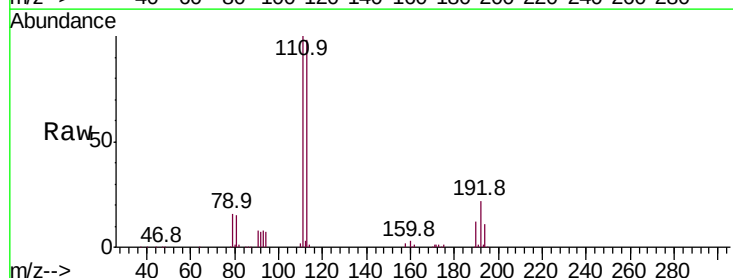
Instrument :
 MSVOA_X
 ClientSampleId :
 DUP1

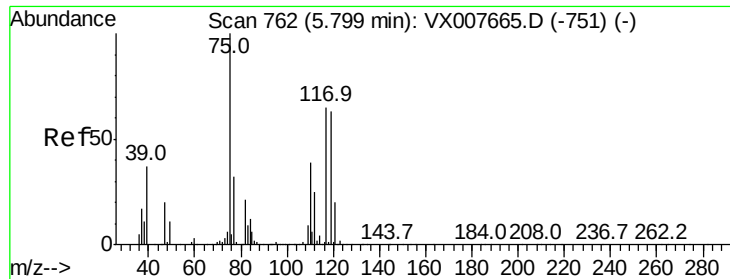
Tot Ion	Ratio	Lower	Upper
114	100		
63	20.3	0.0	35.6
88	15.9	0.0	29.6



#35
 Dibromofluoromethane
 Concen: 49.105 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.00 min
 Lab File: VX007773.D
 Acq: 28 Feb 2019 18:12

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.2	81.8	122.8
192	23.7	18.5	27.7





#36

1,1-Dichloropropene

Concen: 4.664 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.13 min

Lab File: VX007773.D

Acq: 28 Feb 2019 18:12

Instrument :

MSVOA_X

ClientSampleId :

DUP1

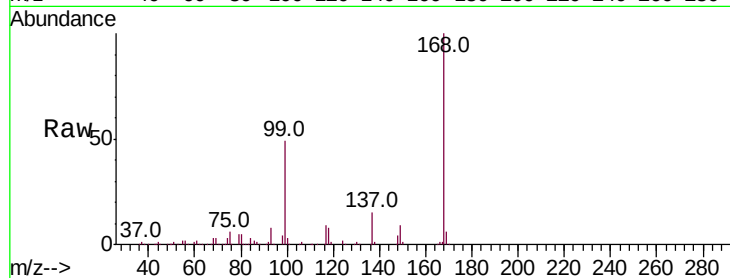
Tot Ion: 75 Resp: 21144

Ion Ratio Lower Upper

75 100

110 5.5 20.0 59.9#

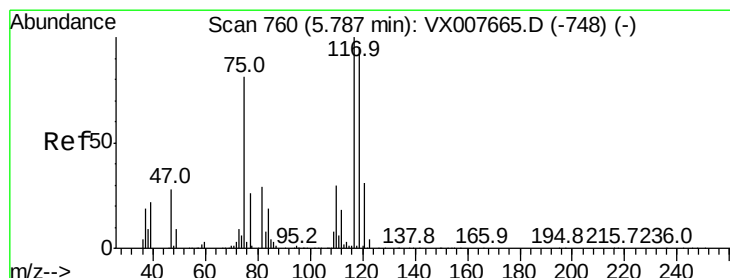
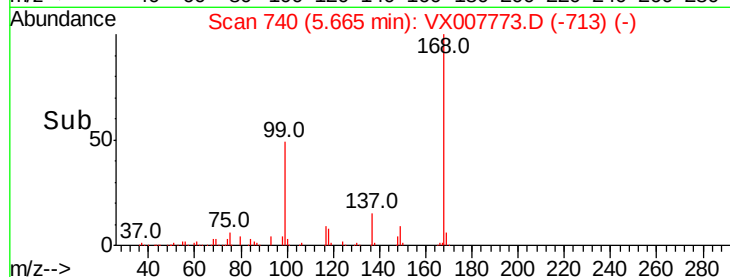
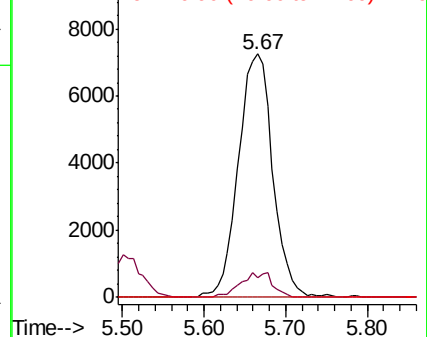
77 0.0 24.7 37.1#



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: 6.246 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX007773.D

Acq: 28 Feb 2019 18:12

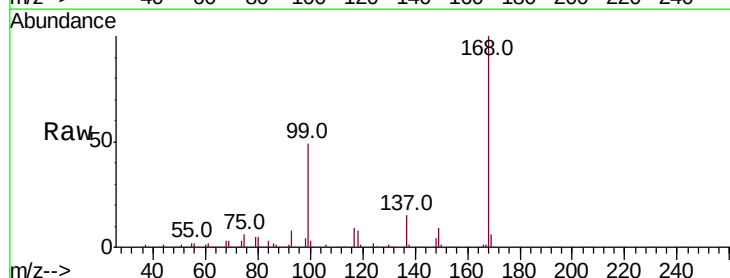
Tgt Ion: 117 Resp: 28445

Ion Ratio Lower Upper

117 100

119 6.1 75.3 112.9#

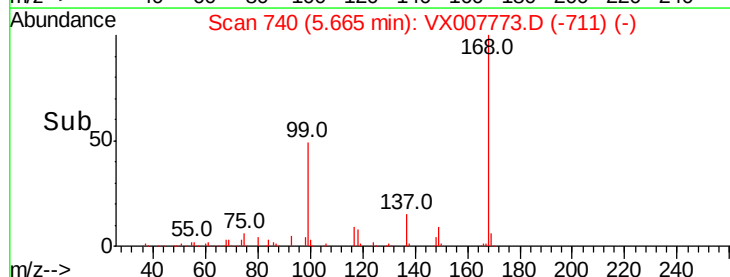
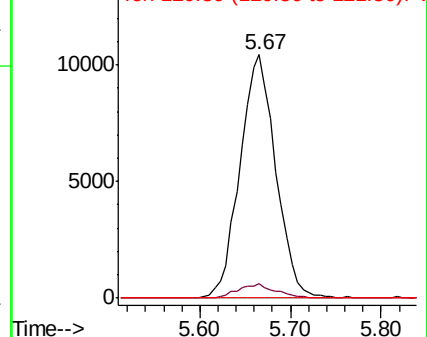
121 0.0 25.0 37.4#

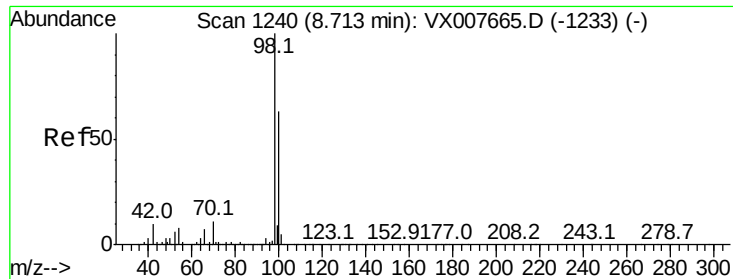


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#50

Toluene-d8

Concen: 47.926 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX007773.D

Acq: 28 Feb 2019 18:12

Instrument :

MSVOA_X

ClientSampleId :

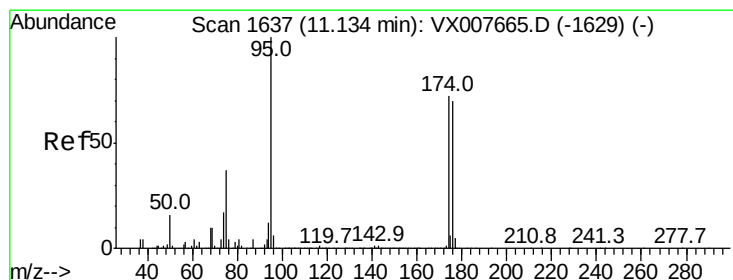
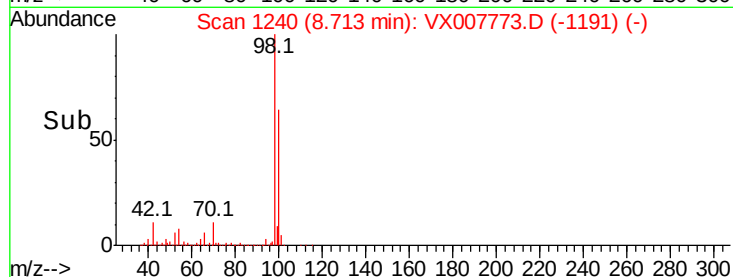
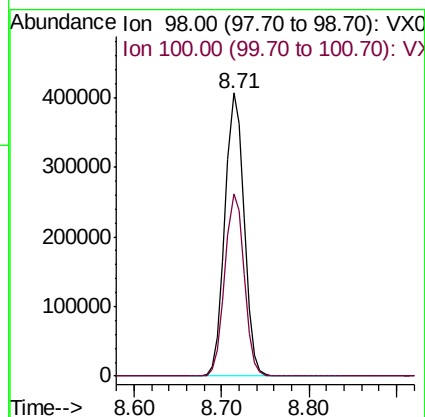
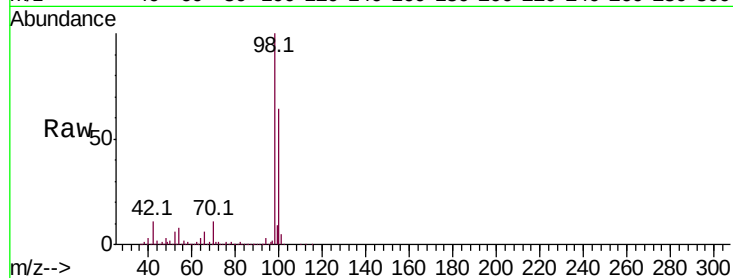
DUP1

Tot Ion: 98 Resp: 618483

Ion Ratio Lower Upper

98 100

100 64.8 51.6 77.4



#62

4-Bromofluorobenzene

Concen: 47.136 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX007773.D

Acq: 28 Feb 2019 18:12

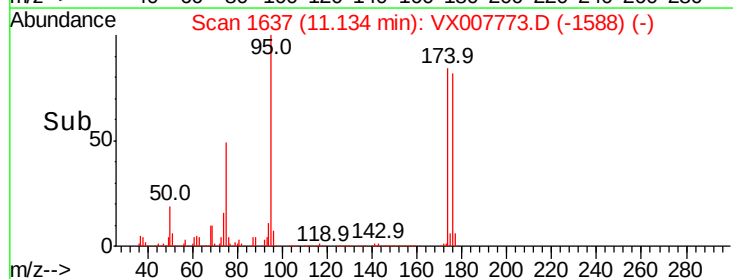
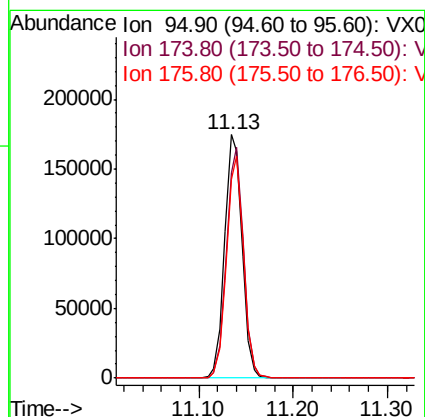
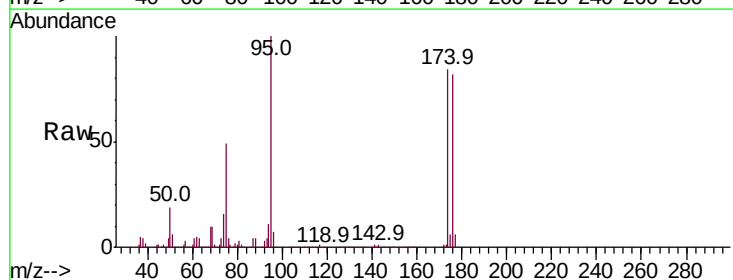
Tgt Ion: 95 Resp: 223263

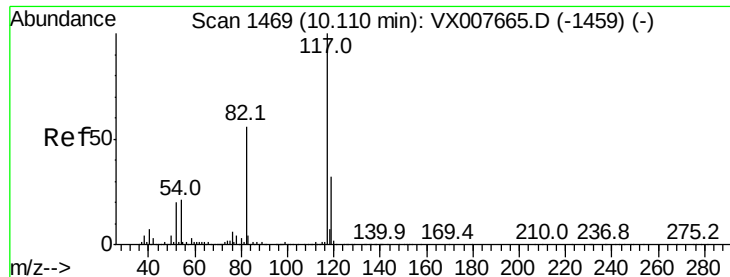
Ion Ratio Lower Upper

95 100

174 92.7 0.0 189.2

176 89.2 0.0 186.2

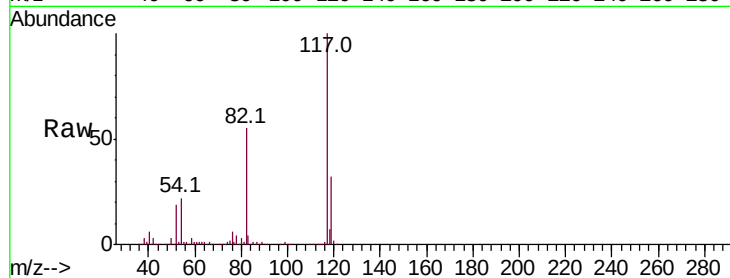




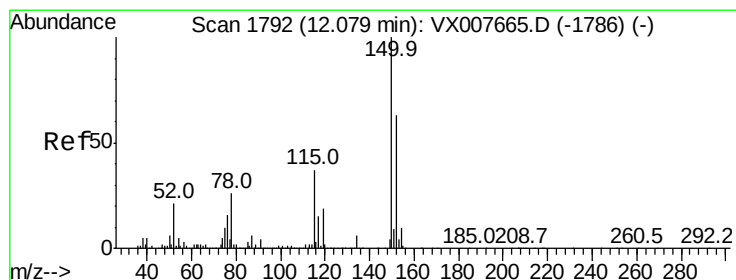
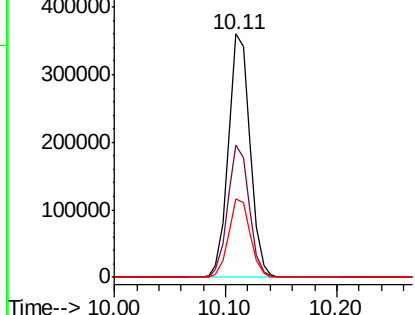
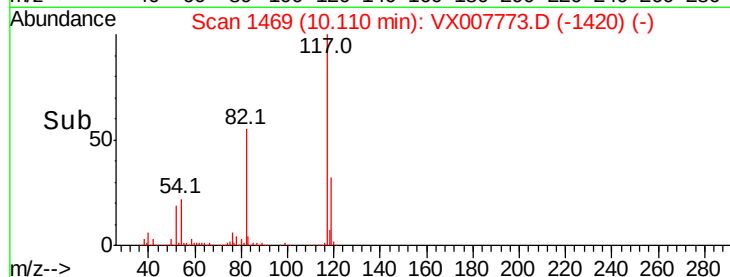
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX007773.D
Acq: 28 Feb 2019 18:12

Instrument :
MSVOA_X
ClientSampled :
DUP1

Tot Ion:117 Resp: 483192
Ion Ratio Lower Upper
117 100
82 54.6 42.1 63.1
119 32.0 26.5 39.7

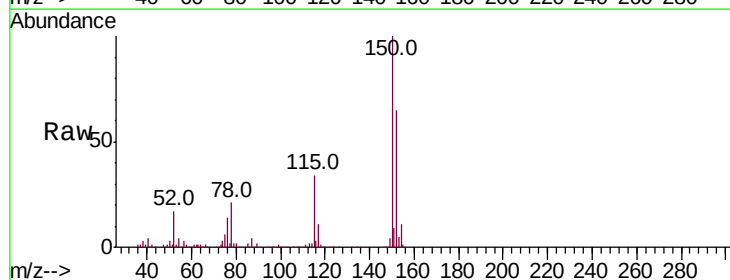


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

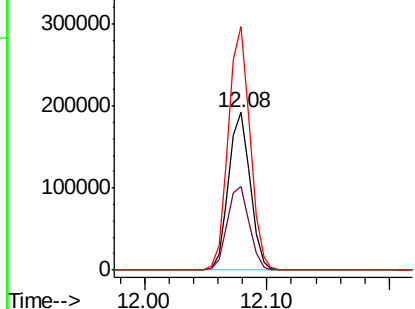
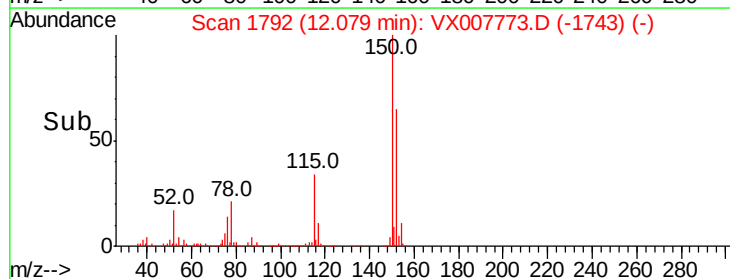


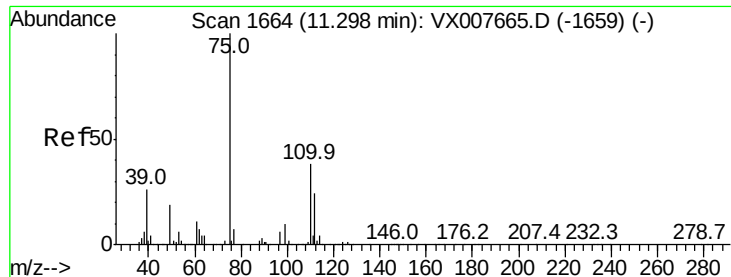
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX007773.D
Acq: 28 Feb 2019 18:12

Tgt Ion:152 Resp: 232799
Ion Ratio Lower Upper
152 100
115 54.4 38.0 114.0
150 154.9 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: 21.719 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX007773.D

Acq: 28 Feb 2019 18:12

Instrument :

MSVOA_X

ClientSampleId :

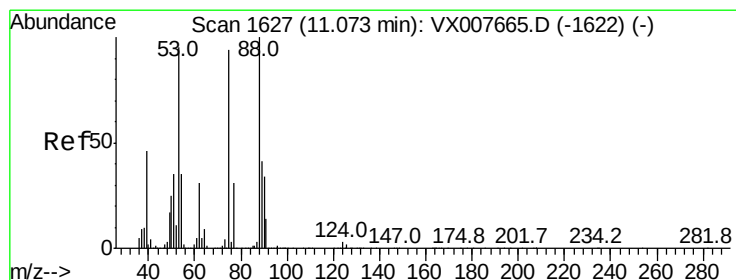
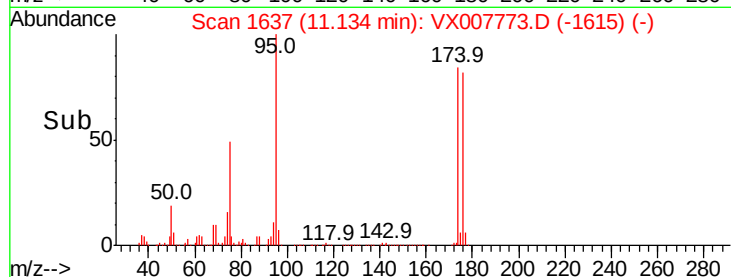
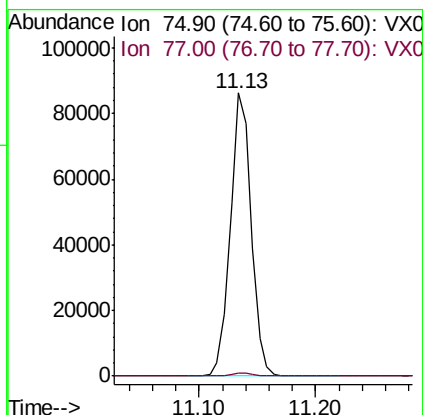
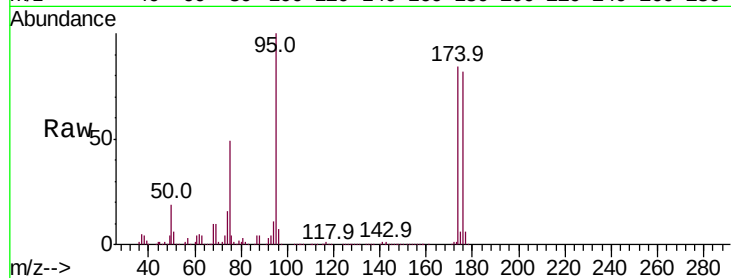
DUP1

Tot Ion: 75 Resp: 107775

Ion Ratio Lower Upper

75 100

77 1.2 23.0 69.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 57.708 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX007773.D

Acq: 28 Feb 2019 18:12

Tgt Ion: 75 Resp: 107775

Ion Ratio Lower Upper

75 100

53 0.1 81.0 121.6#

89 0.0 41.4 62.0#

