

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX122618\
 Data File : VX006817.D
 Acq On : 26 Dec 2018 14:43
 Operator : JC/MD
 Sample : J6549-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-6

Quant Time: Dec 27 03:03:52 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121818W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 19 15:20:58 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	678686	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	1013169	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	923744	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	459334	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	343287	46.93	ug/l	0.00
Spiked Amount			Recovery	=	93.86%	
35) Dibromofluoromethane	5.50	113	302397	47.20	ug/l	0.00
Spiked Amount			Recovery	=	94.40%	
50) Toluene-d8	8.71	98	1184066	49.02	ug/l	0.00
Spiked Amount			Recovery	=	98.04%	
62) 4-Bromofluorobenzene	11.13	95	427313	48.30	ug/l	0.00
Spiked Amount			Recovery	=	96.60%	

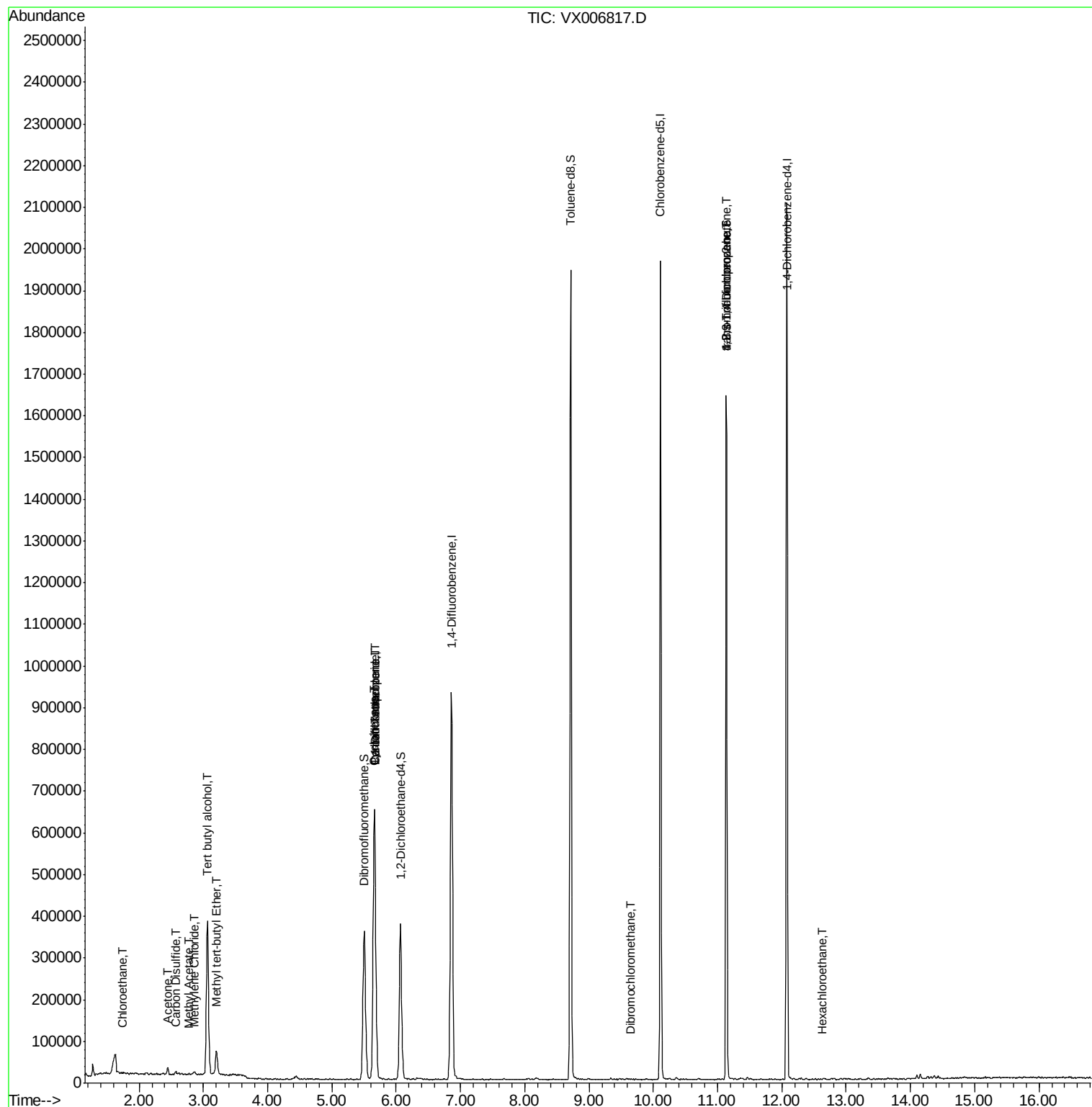
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	1045	Below Cal		93
6) Chloroethane	1.74	64	2136	0.442 ug/l #		42
11) Tert butyl alcohol	3.06	59	471617	288.908 ug/l		99
16) Acetone	2.45	43	17966	5.346 ug/l		91
17) Carbon Disulfide	2.57	76	6252	0.390 ug/l #		93
18) Methyl Acetate	2.78	43	2163	0.219 ug/l		97
19) Methyl tert-butyl Ether	3.20	73	63798	3.170 ug/l		98
20) Methylene Chloride	2.86	84	4688	0.675 ug/l #		80
28) Bromochloromethane	5.04	49	370	Below Cal #		26
31) Cyclohexane	5.65	56	10573	1.044 ug/l #		1
36) 1,1-Dichloropropene	5.66	75	42939	5.117 ug/l #		49
38) Carbon Tetrachloride	5.66	117	61341	7.522 ug/l #		14
49) 1,4-Dioxane	7.74	88	65	Below Cal #		1
60) Dibromochloromethane	9.64	129	78	2.335 ug/l		75
76) 1,2,3-Trichloropropane	11.13	75	203936	23.890 ug/l #		40
81) trans-1,4-Dichloro-2-buten	11.13	75	203936	70.783 ug/l #		10
90) Hexachloroethane	12.63	117	65	3.307 ug/l #		6

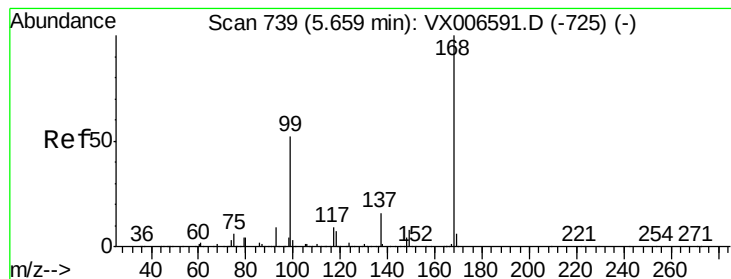
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX122618\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX006817.D

Acq: 26 Dec 2018 14:43

Instrument :

MSVOA_X

ClientSampled :

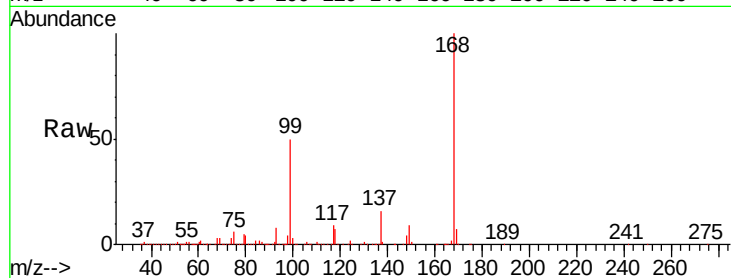
MW-6

Tgt Ion:168 Resp: 678686

Ion Ratio Lower Upper

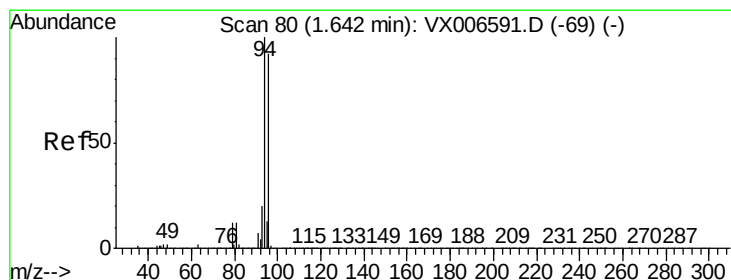
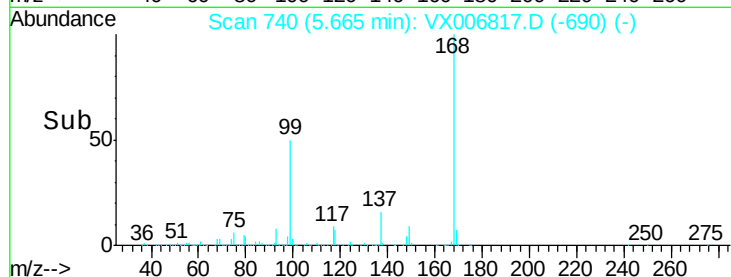
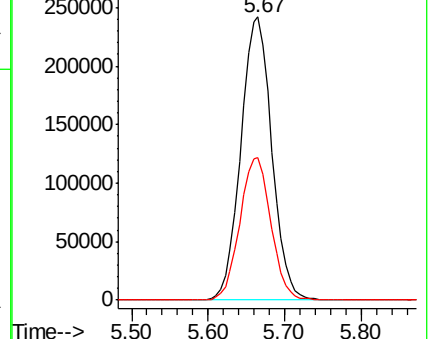
168 100

99 50.3 41.8 62.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#5

Bromomethane

Concen: Below Cal

RT: 1.64 min Scan# 80

Delta R.T. 0.00 min

Lab File: VX006817.D

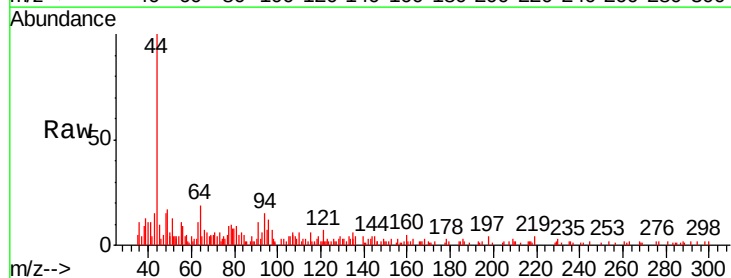
Acq: 26 Dec 2018 14:43

Tgt Ion: 94 Resp: 1045

Ion Ratio Lower Upper

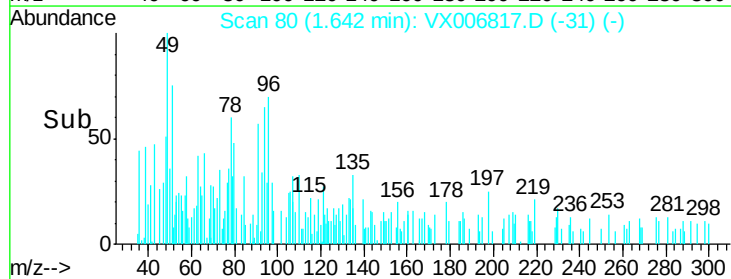
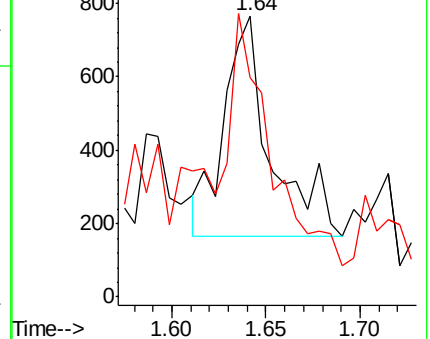
94 100

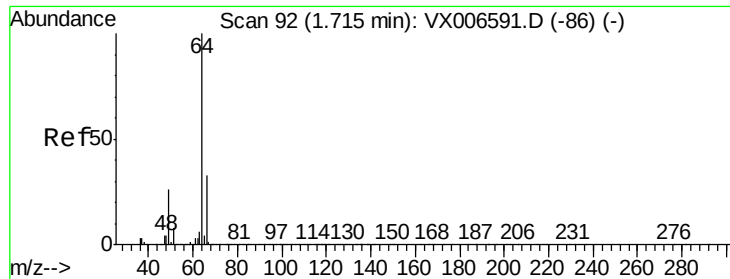
96 85.2 73.4 110.2



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#6

Chloroethane

Concen: 0.442 ug/l

RT: 1.74 min Scan# 96

Delta R.T. 0.02 min

Lab File: VX006817.D

Acq: 26 Dec 2018 14:43

Instrument :

MSVOA_X

ClientSampleId :

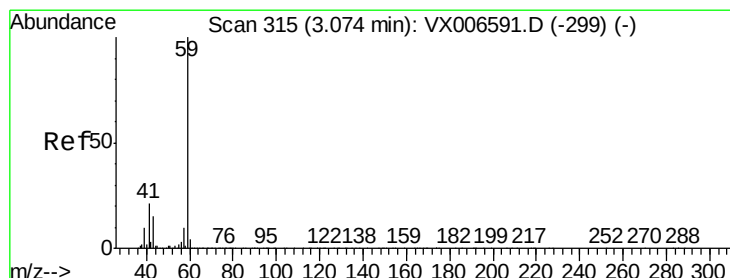
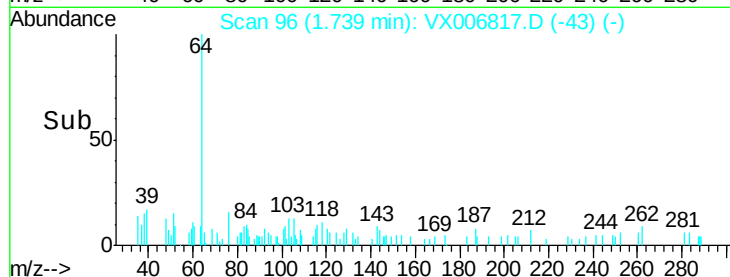
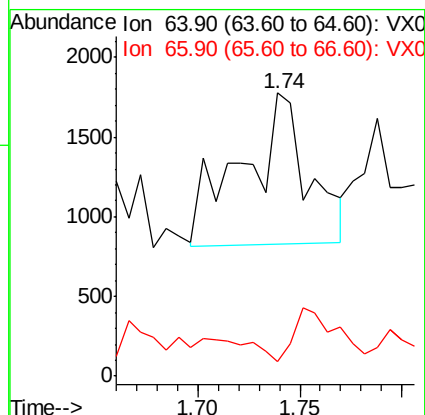
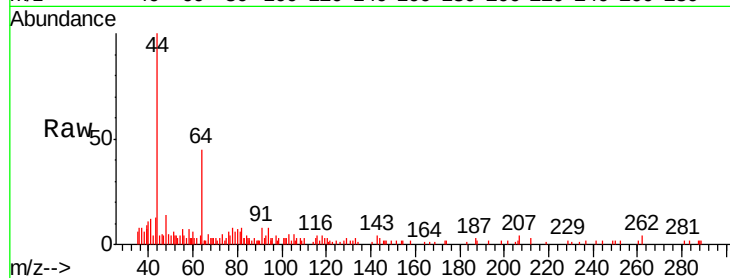
MW-6

Tgt Ion: 64 Resp: 2136

Ion Ratio Lower Upper

64 100

66 0.0 26.4 39.6#



#11

Tert butyl alcohol

Concen: 288.908 ug/l

RT: 3.06 min Scan# 313

Delta R.T. -0.01 min

Lab File: VX006817.D

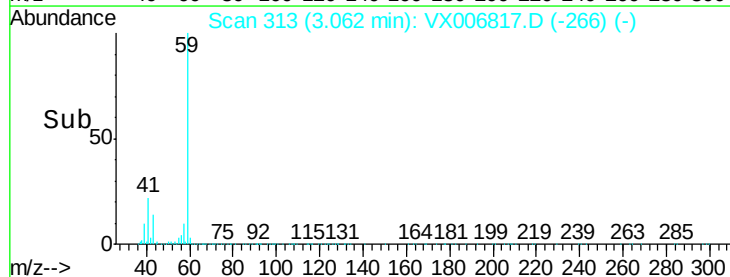
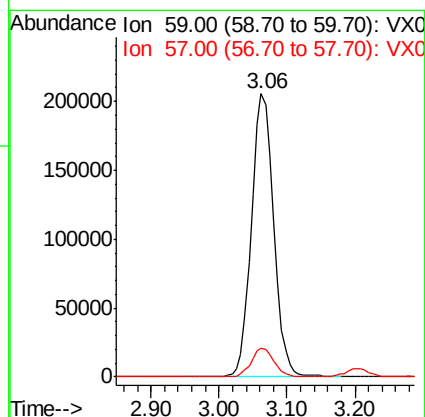
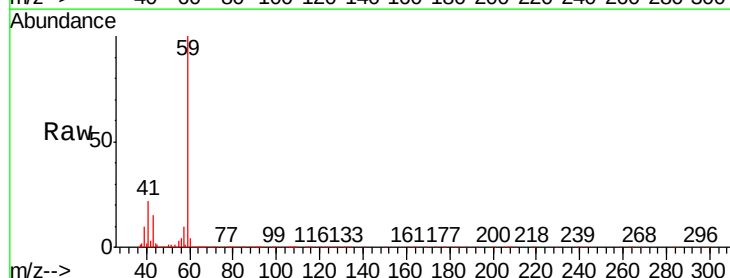
Acq: 26 Dec 2018 14:43

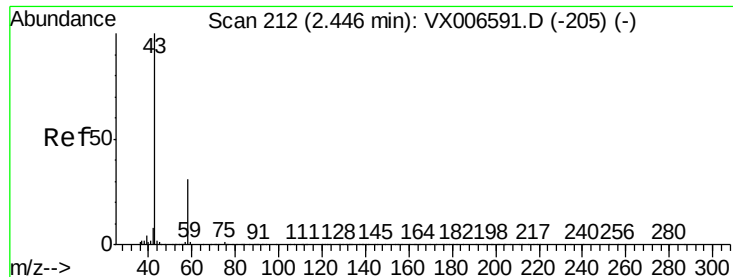
Tgt Ion: 59 Resp: 471617

Ion Ratio Lower Upper

59 100

57 10.3 8.5 12.7





#16

Acetone

Concen: 5.346 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX006817.D

Acq: 26 Dec 2018 14:43

Instrument :

MSVOA_X

ClientSampleId :

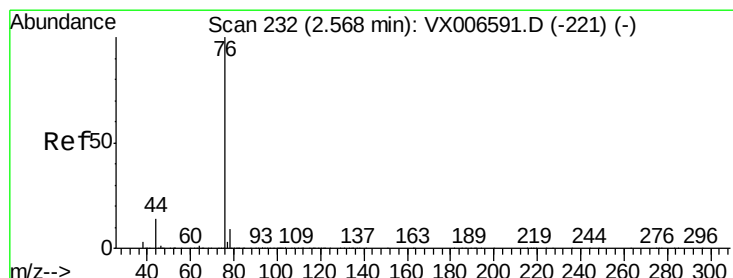
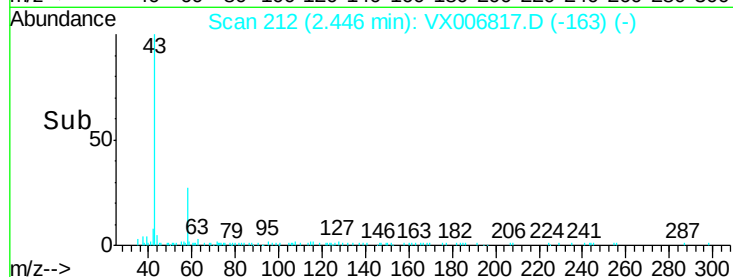
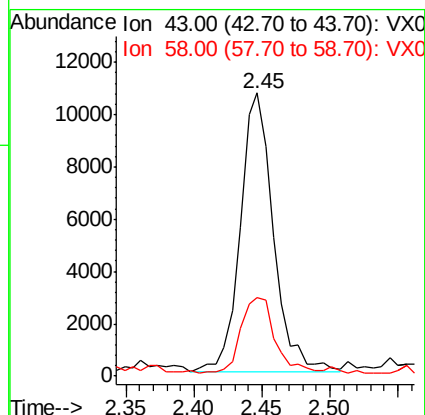
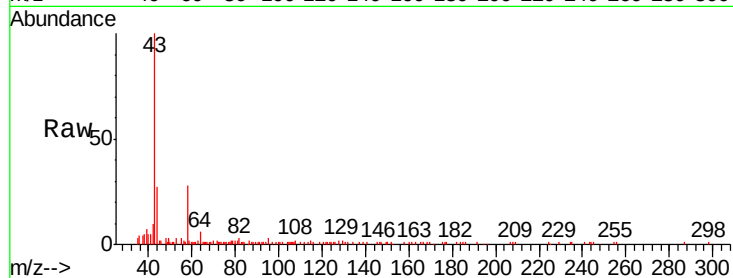
MW-6

Tgt Ion: 43 Resp: 17966

Ion Ratio Lower Upper

43 100

58 26.3 25.0 37.6



#17

Carbon Disulfide

Concen: 0.390 ug/l

RT: 2.57 min Scan# 233

Delta R.T. 0.01 min

Lab File: VX006817.D

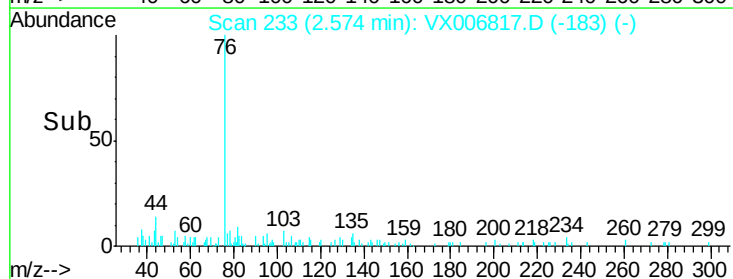
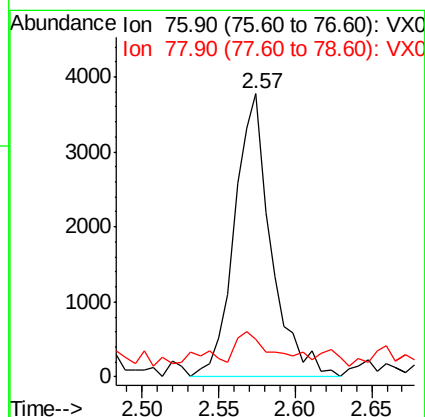
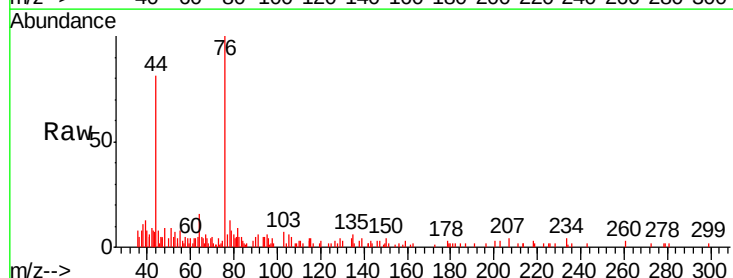
Acq: 26 Dec 2018 14:43

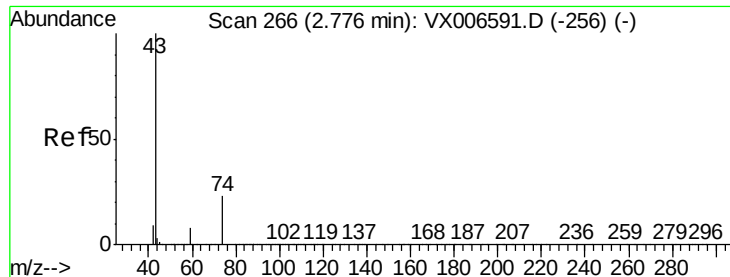
Tgt Ion: 76 Resp: 6252

Ion Ratio Lower Upper

76 100

78 6.3 7.0 10.6#

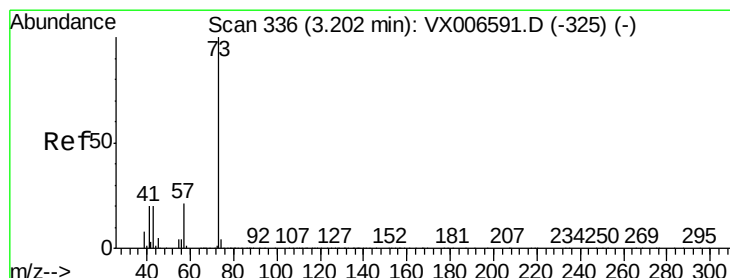
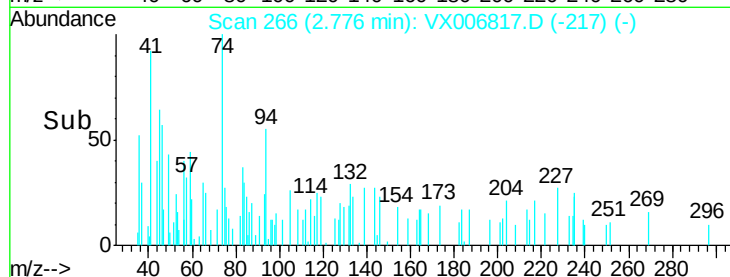
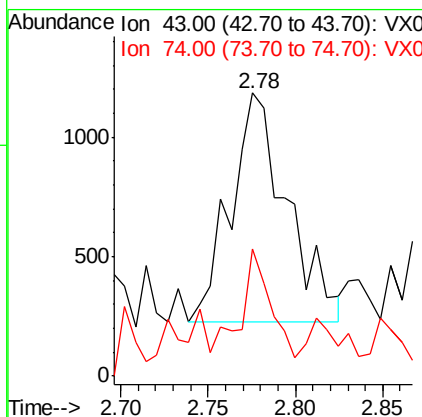
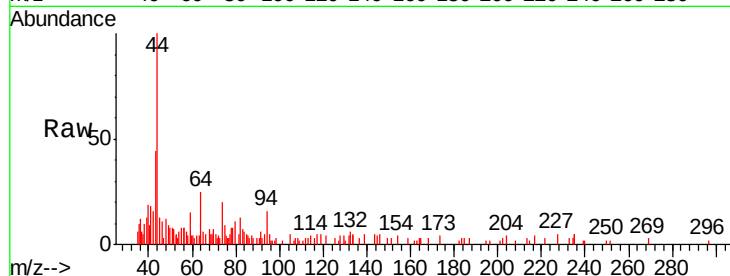




#18
Methyl Acetate
Concen: 0.219 ug/l
RT: 2.78 min Scan# 266
Delta R.T. 0.00 min
Lab File: VX006817.D
Acq: 26 Dec 2018 14:43

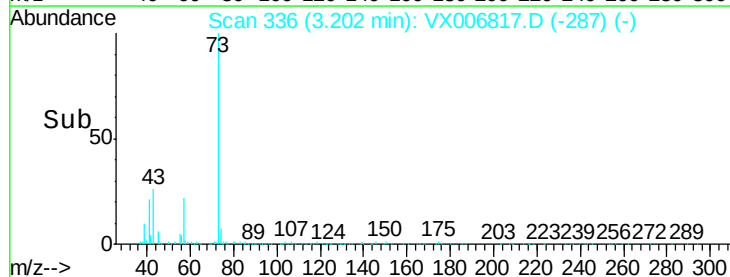
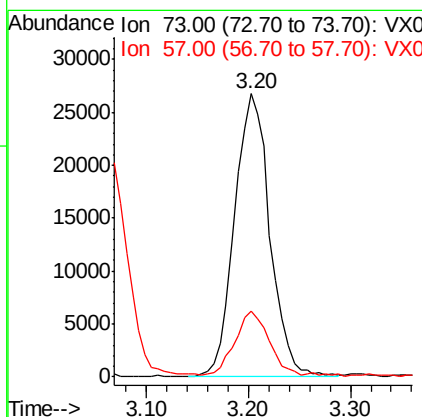
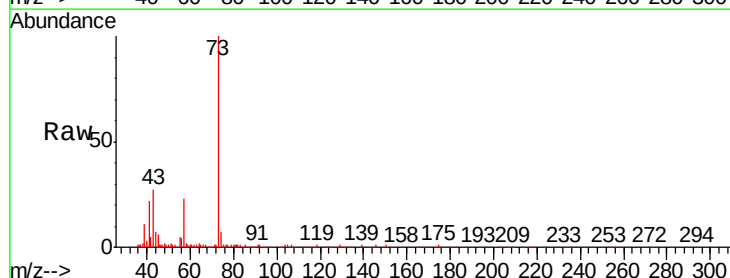
Instrument :
MSVOA_X
ClientSampleId :
MW-6

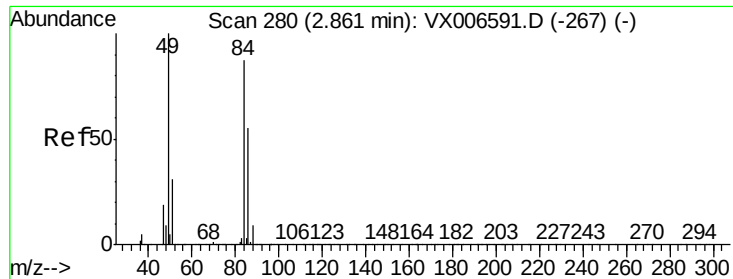
Tgt Ion: 43 Resp: 2163
Ion Ratio Lower Upper
43 100
74 24.8 18.6 28.0



#19
Methyl tert-butyl Ether
Concen: 3.170 ug/l
RT: 3.20 min Scan# 336
Delta R.T. 0.00 min
Lab File: VX006817.D
Acq: 26 Dec 2018 14:43

Tgt Ion: 73 Resp: 63798
Ion Ratio Lower Upper
73 100
57 22.2 16.8 25.2

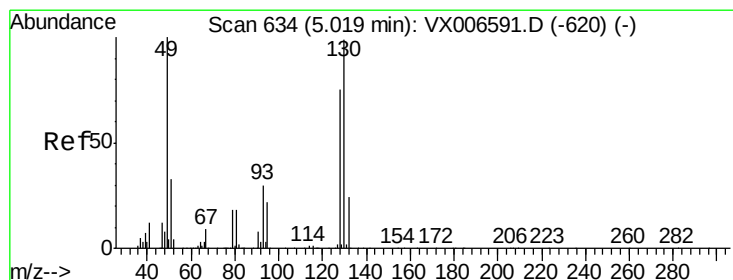
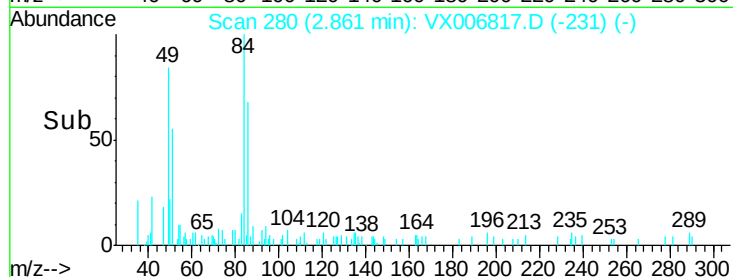
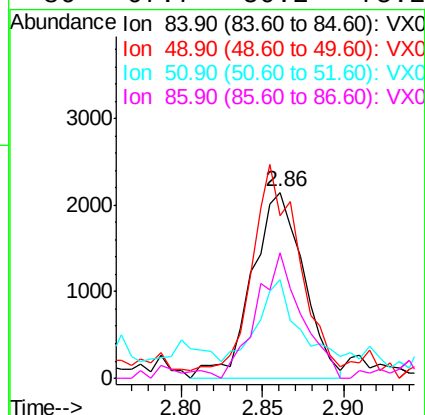
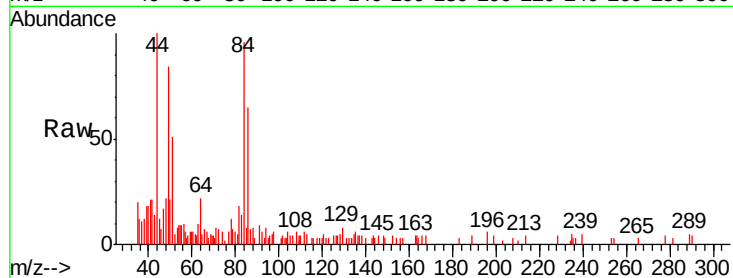




#20
Methylene Chloride
Concen: 0.675 ug/l
RT: 2.86 min Scan# 280
Delta R.T. 0.00 min
Lab File: VX006817.D
Acq: 26 Dec 2018 14:43

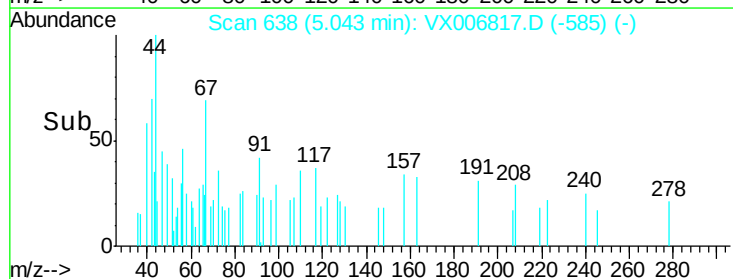
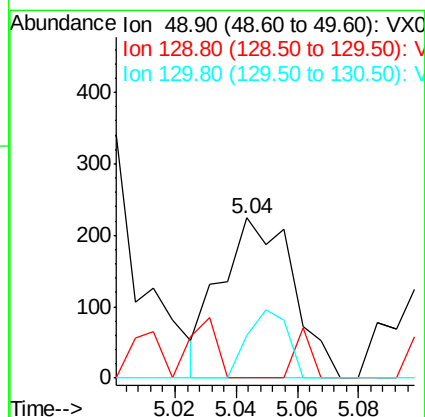
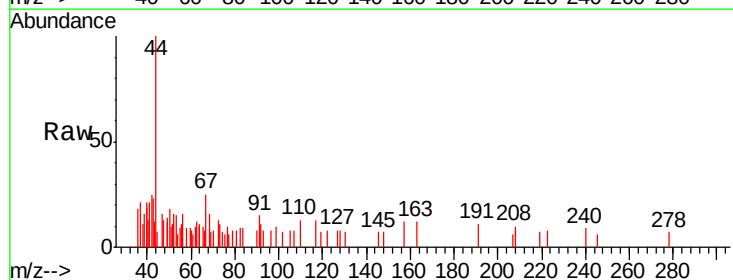
Instrument :
MSVOA_X
ClientSampled :
MW-6

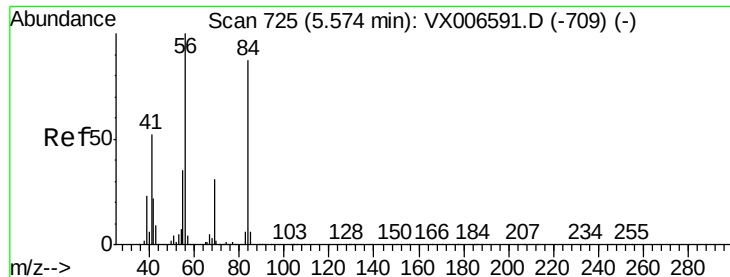
Tgt Ion: 84 Resp: 4688
Ion Ratio Lower Upper
84 100
49 81.4 91.8 137.6#
51 41.3 28.5 42.7
86 67.7 50.2 75.2



#28
Bromochloromethane
Concen: Below Cal
RT: 5.04 min Scan# 638
Delta R.T. 0.02 min
Lab File: VX006817.D
Acq: 26 Dec 2018 14:43

Tgt Ion: 49 Resp: 370
Ion Ratio Lower Upper
49 100
129 14.1 0.0 5.4#
130 23.2 77.7 116.5#

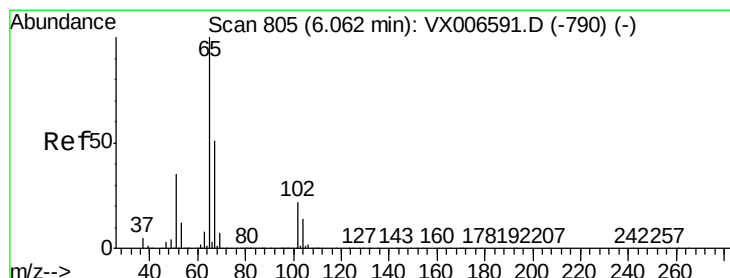
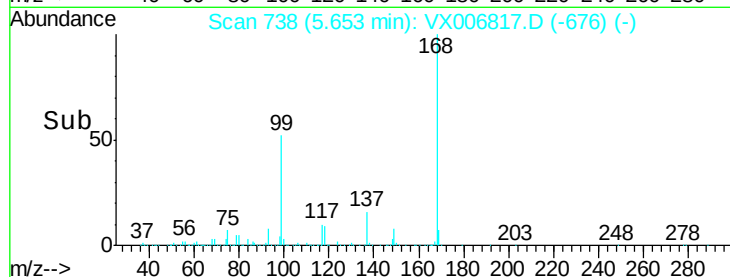
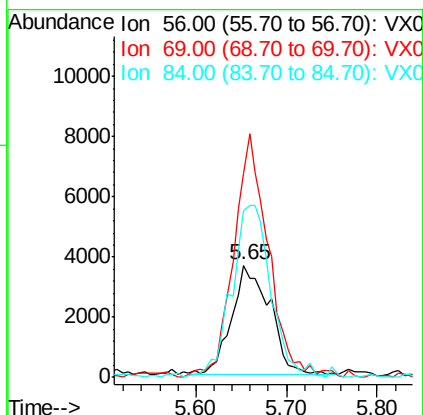
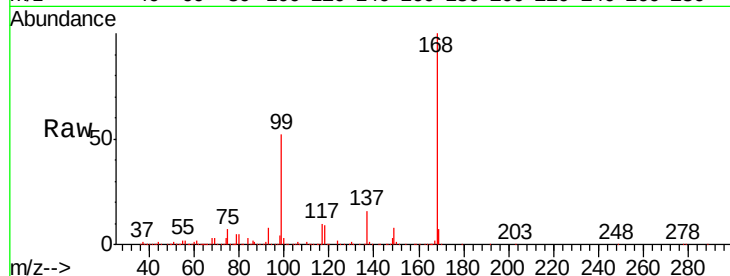




#31
Cyclohexane
Concen: 1.044 ug/l
RT: 5.65 min Scan# 738
Delta R.T. 0.08 min
Lab File: VX006817.D
Acq: 26 Dec 2018 14:43

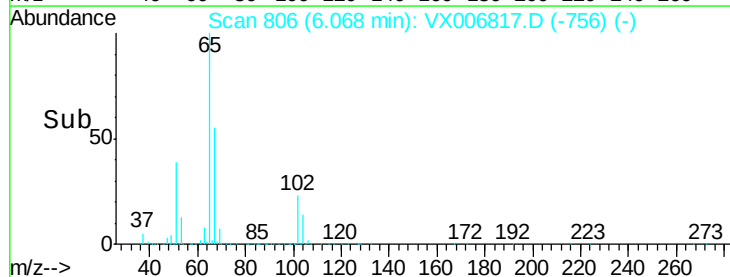
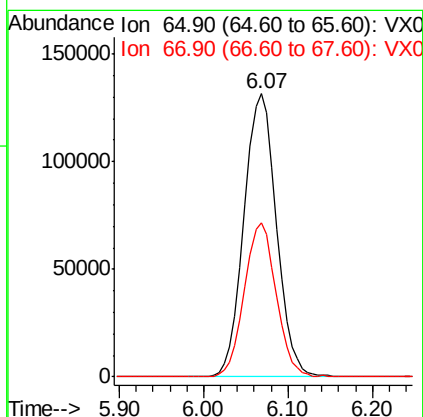
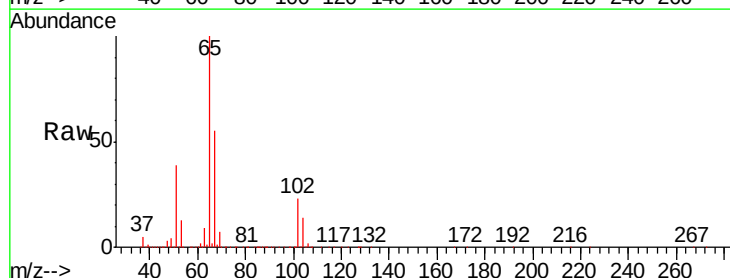
Instrument :
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MW-6

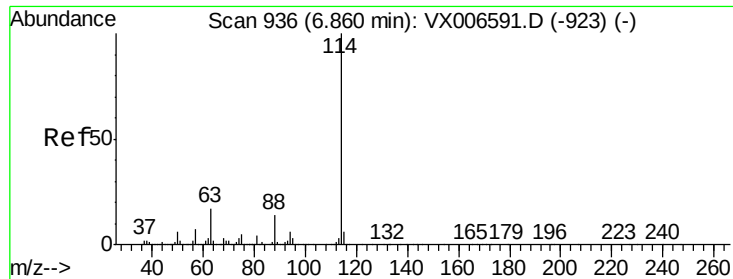
Tgt Ion: 56 Resp: 10573
Ion Ratio Lower Upper
56 100
69 184.3 24.4 36.6#
84 150.9 70.0 105.0#



#33
1,2-Dichloroethane-d4
Concen: 46.932 ug/l
RT: 6.07 min Scan# 806
Delta R.T. 0.01 min
Lab File: VX006817.D
Acq: 26 Dec 2018 14:43

Tgt Ion: 65 Resp: 343287
Ion Ratio Lower Upper
65 100
67 53.5 0.0 105.0

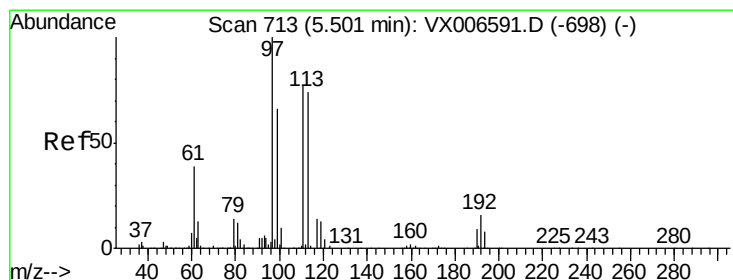
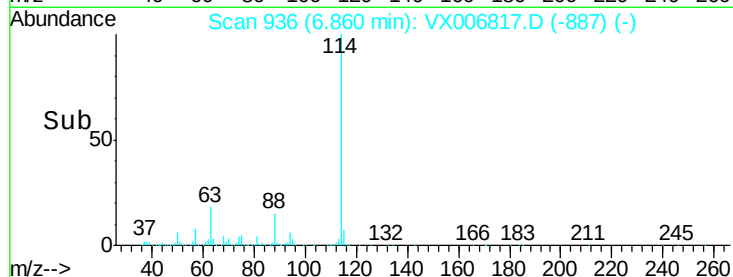
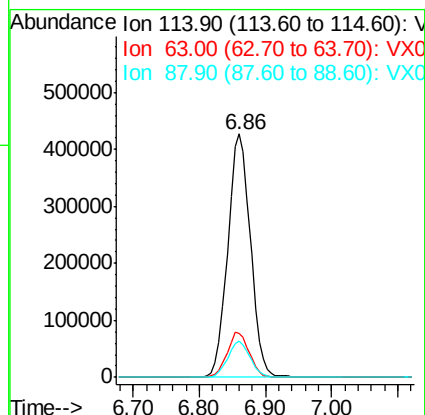
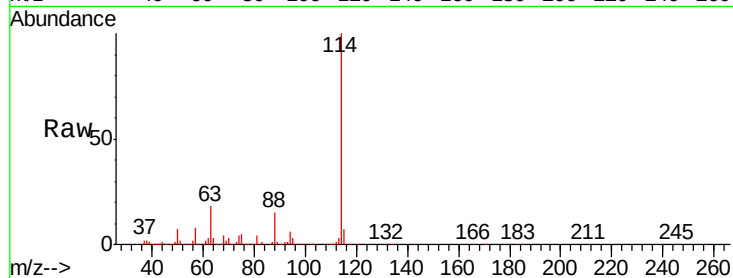




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.86 min Scan# 936
Delta R.T. 0.00 min
Lab File: VX006817.D
Acq: 26 Dec 2018 14:43

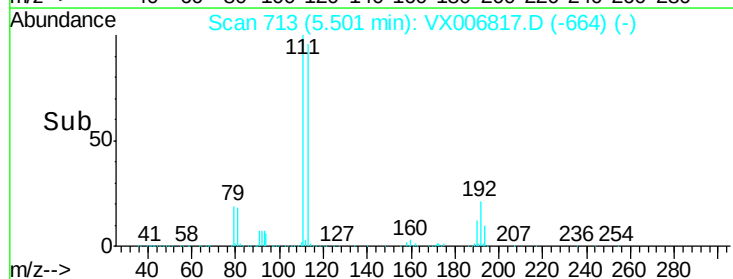
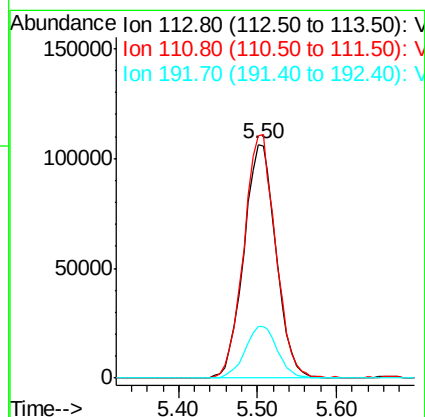
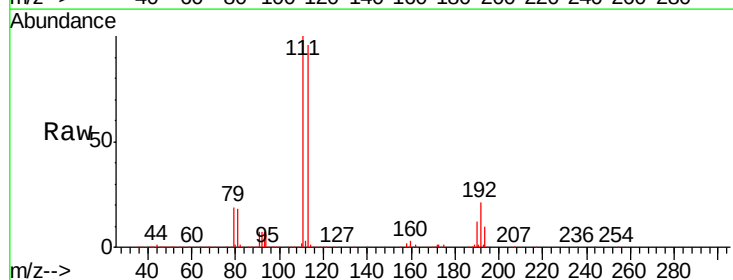
Instrument :
MSVOA_X
ClientSampled :
MW-6

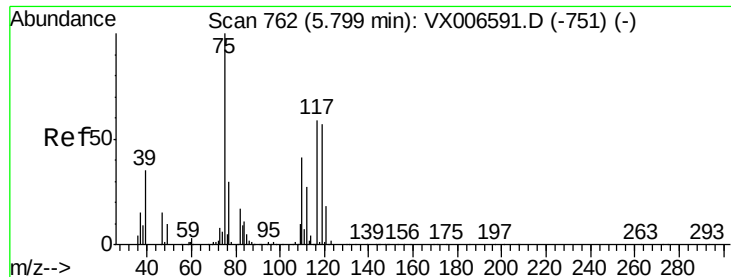
Tgt Ion:114 Resp: 1013169
Ion Ratio Lower Upper
114 100
63 18.0 0.0 34.8
88 14.9 0.0 28.8



#35
Dibromofluoromethane
Concen: 47.197 ug/l
RT: 5.50 min Scan# 713
Delta R.T. 0.00 min
Lab File: VX006817.D
Acq: 26 Dec 2018 14:43

Tgt Ion:113 Resp: 302397
Ion Ratio Lower Upper
113 100
111 102.9 81.6 122.4
192 22.2 16.7 25.1

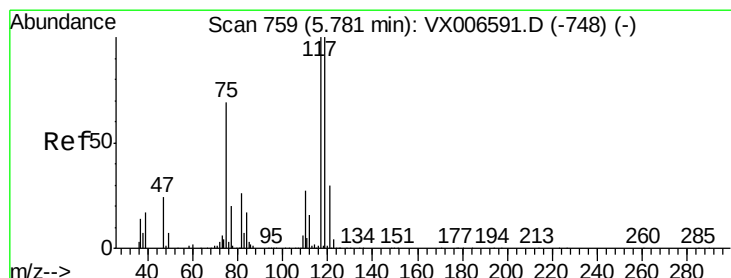
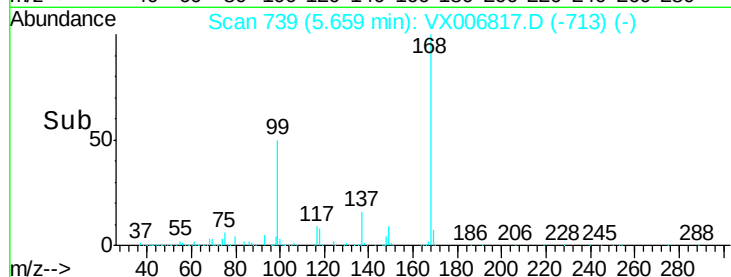
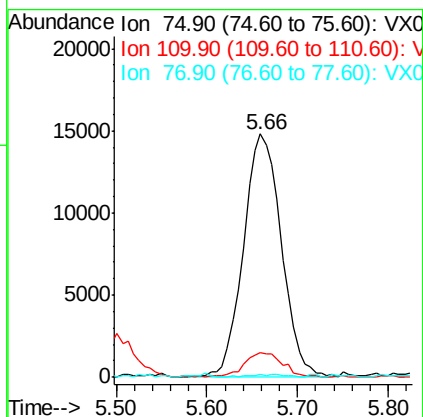
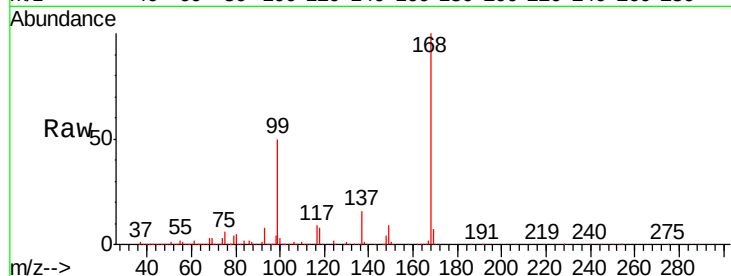




#36
 1,1-Dichloropropene
 Concen: 5.117 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.14 min
 Lab File: VX006817.D
 Acq: 26 Dec 2018 14:43

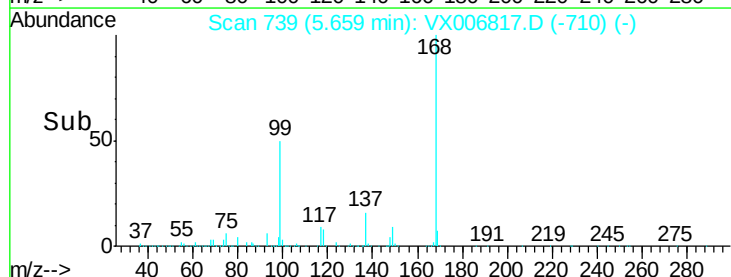
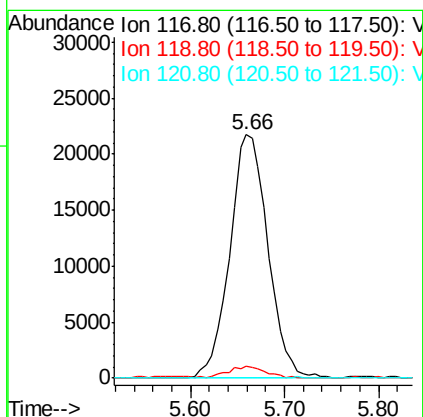
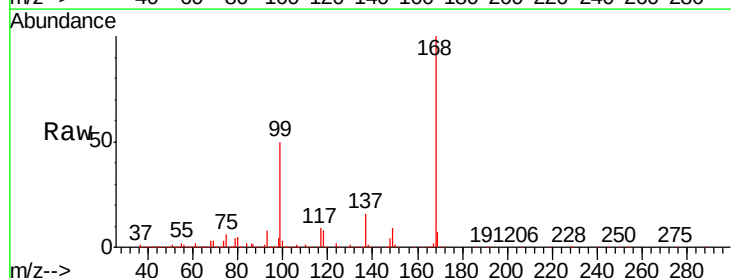
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-6

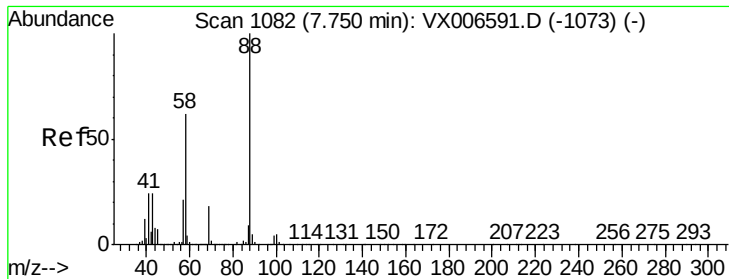
Tgt Ion	Ratio	Lower	Upper
75	100		
110	10.4	20.2	60.5#
77	1.1	24.8	37.2#



#38
 Carbon Tetrachloride
 Concen: 7.522 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.12 min
 Lab File: VX006817.D
 Acq: 26 Dec 2018 14:43

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.7	79.4	119.2#
121	0.0	24.0	36.0#

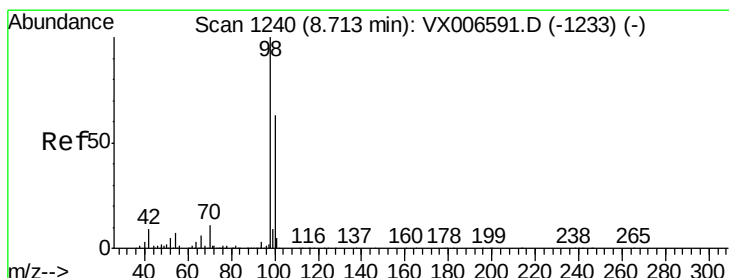
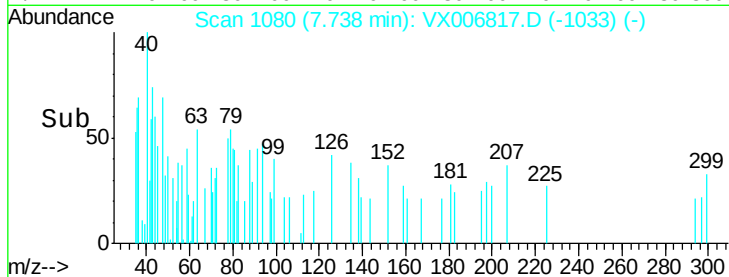
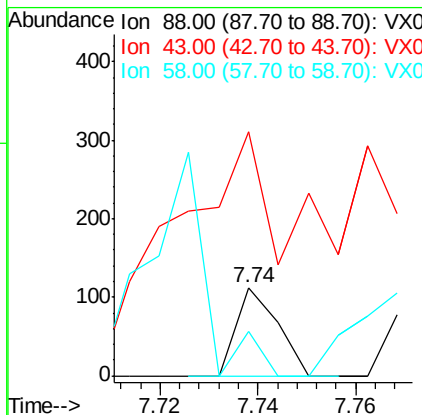
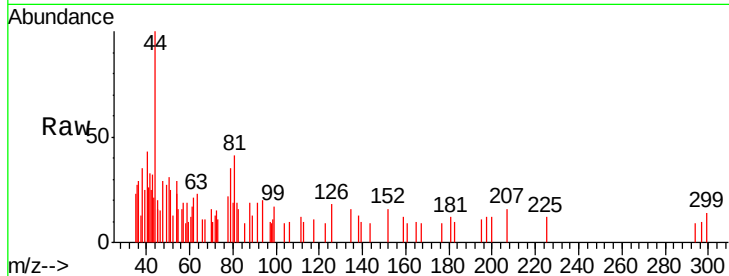




#49
1,4-Dioxane
Concen: Below Cal
RT: 7.74 min Scan# 1080
Delta R.T. -0.01 min
Lab File: VX006817.D
Acq: 26 Dec 2018 14:43

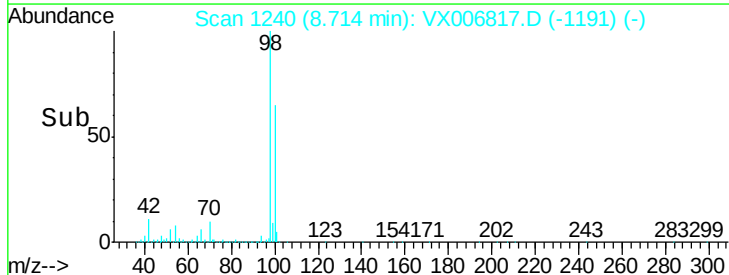
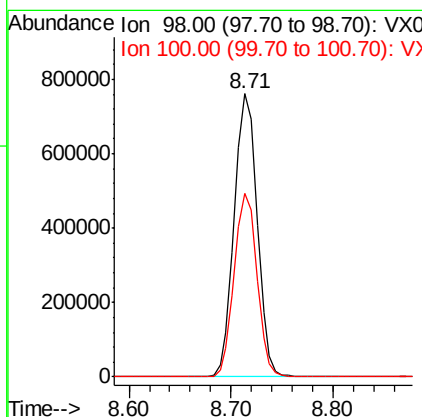
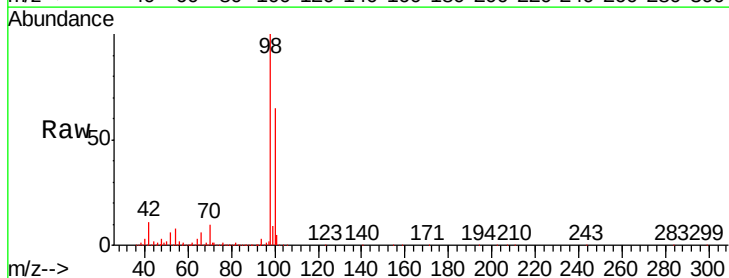
Instrument :
MSVOA_X
ClientSampled :
MW-6

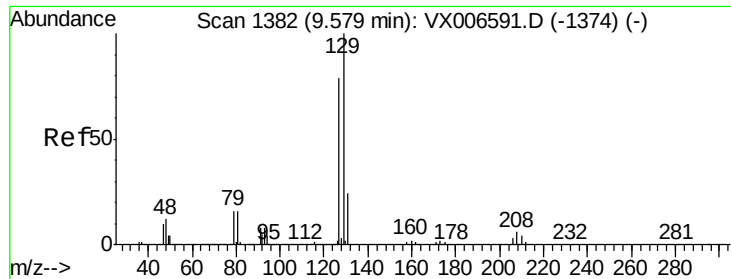
Tgt Ion: 88 Resp: 65
Ion Ratio Lower Upper
88 100
43 667.7 22.2 33.4#
58 350.8 51.0 76.4#



#50
Toluene-d8
Concen: 49.020 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX006817.D
Acq: 26 Dec 2018 14:43

Tgt Ion: 98 Resp: 1184066
Ion Ratio Lower Upper
98 100
100 64.4 52.0 78.0





#60

Dibromochloromethane

Concen: 2.335 ug/l

RT: 9.64 min Scan# 1392

Delta R.T. 0.06 min

Lab File: VX006817.D

Acq: 26 Dec 2018 14:43

Instrument :

MSVOA_X

ClientSampleId :

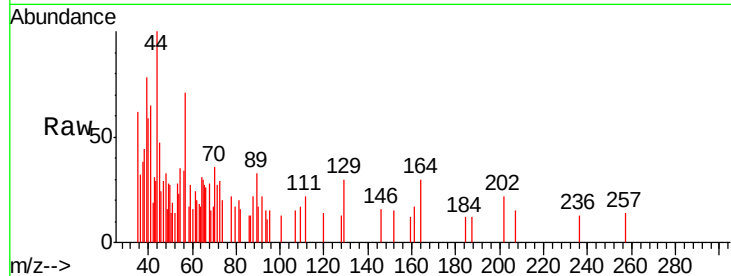
MW-6

Tgt Ion:129 Resp: 78

Ion Ratio Lower Upper

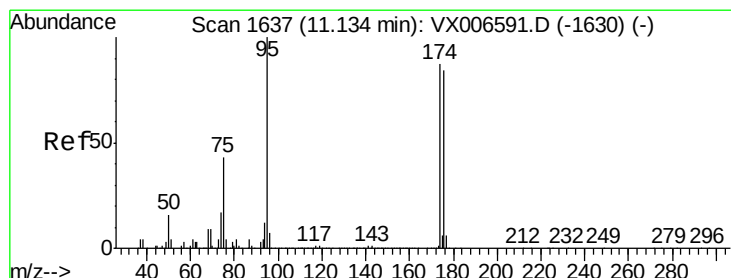
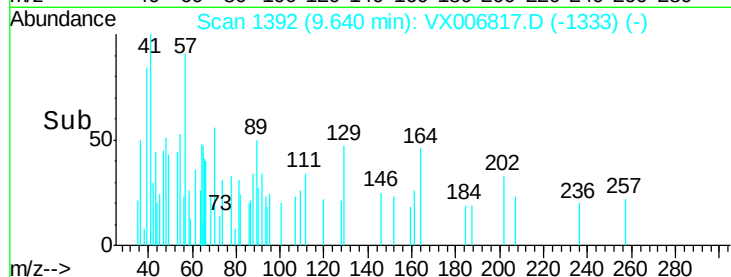
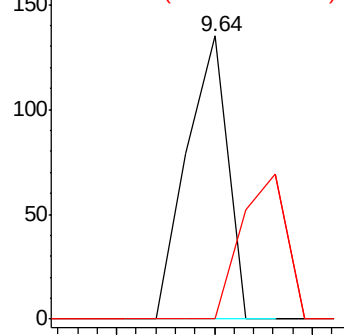
129 100

127 56.4 39.3 117.8



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#62

4-Bromofluorobenzene

Concen: 48.303 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX006817.D

Acq: 26 Dec 2018 14:43

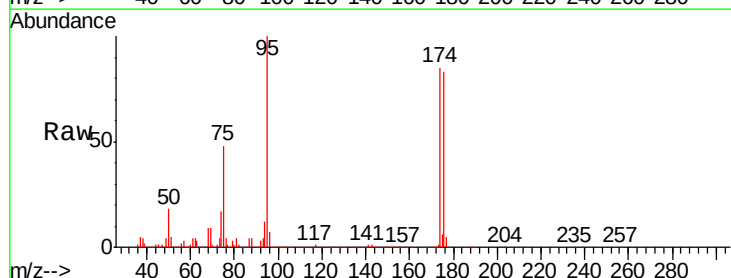
Tgt Ion: 95 Resp: 427313

Ion Ratio Lower Upper

95 100

174 91.6 0.0 182.2

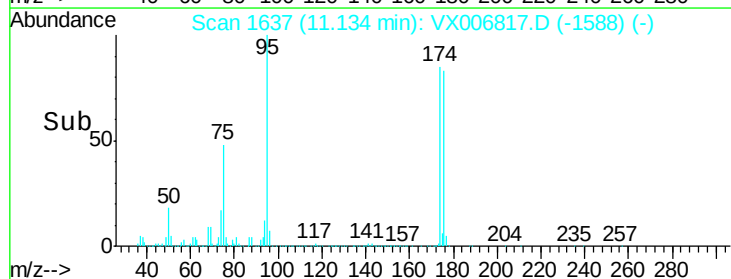
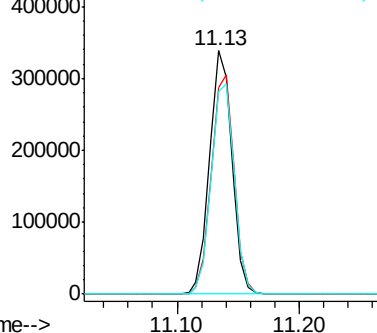
176 89.4 0.0 178.8

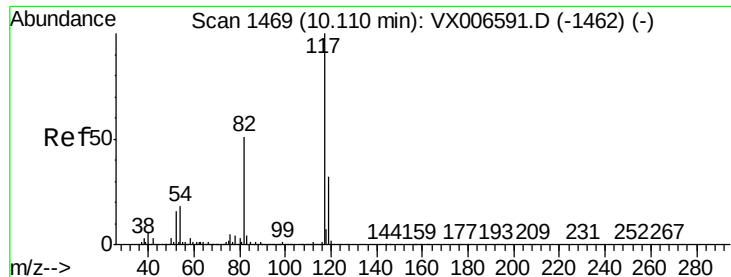


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

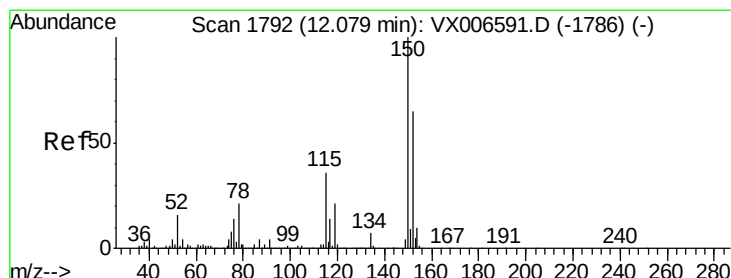
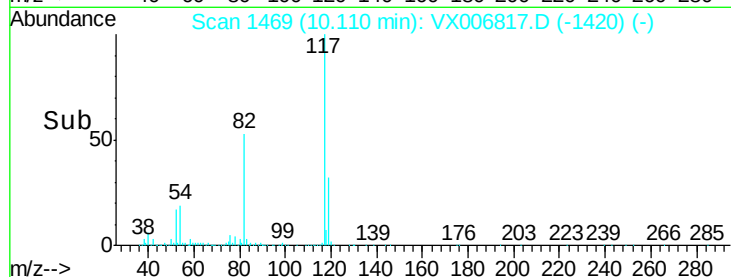
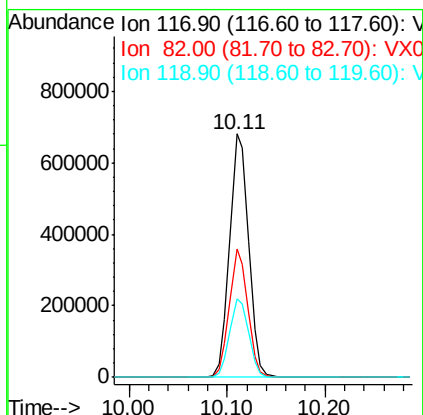
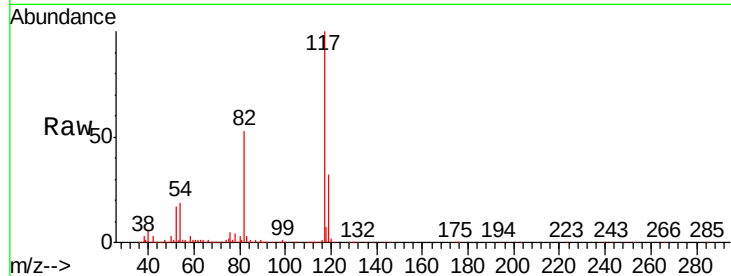




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX006817.D
Acq: 26 Dec 2018 14:43

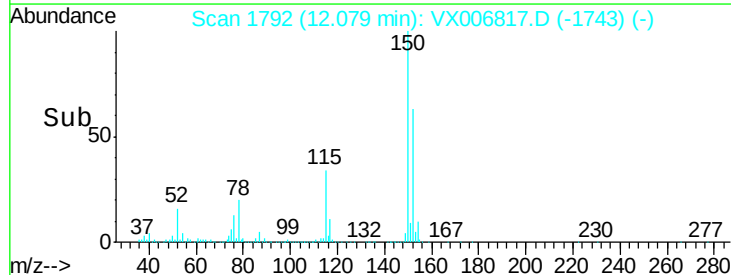
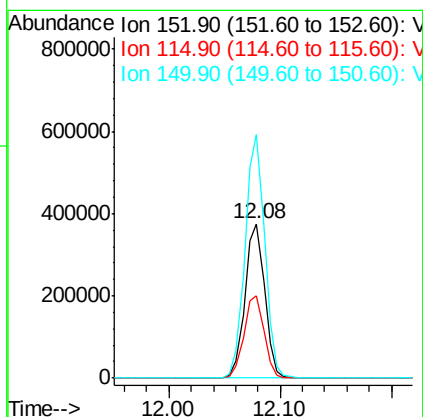
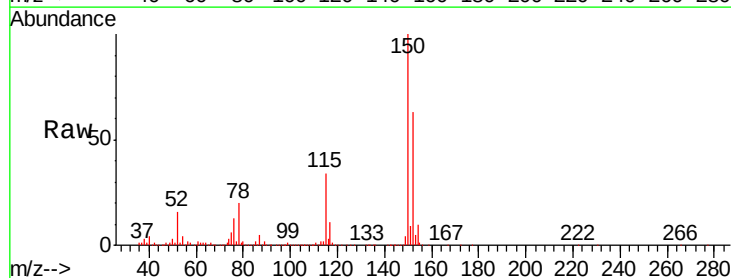
Instrument :
MSVOA_X
ClientSampleId :
MW-6

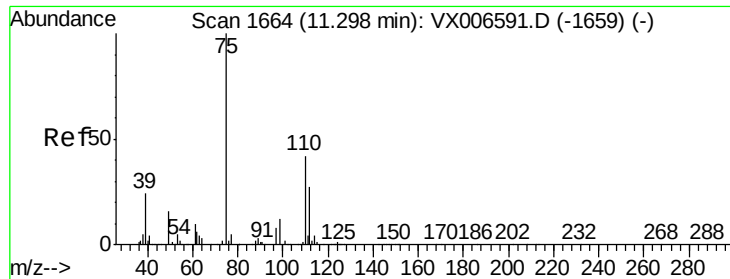
Tgt Ion:117 Resp: 923744
Ion Ratio Lower Upper
117 100
82 52.6 41.0 61.6
119 32.1 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX006817.D
Acq: 26 Dec 2018 14:43

Tgt Ion:152 Resp: 459334
Ion Ratio Lower Upper
152 100
115 54.7 39.1 117.2
150 157.0 0.0 344.8

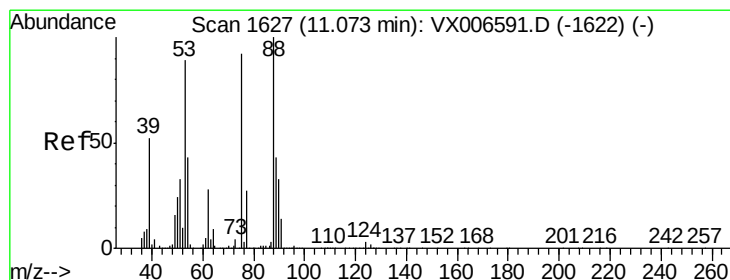
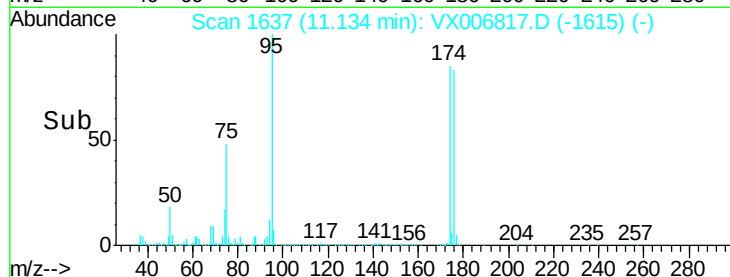
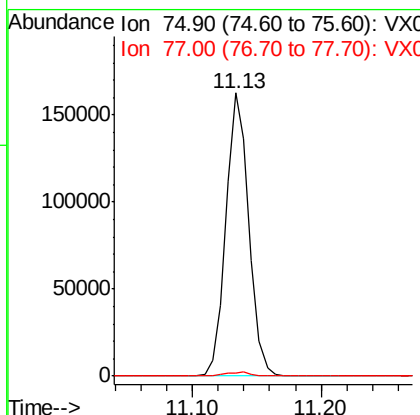
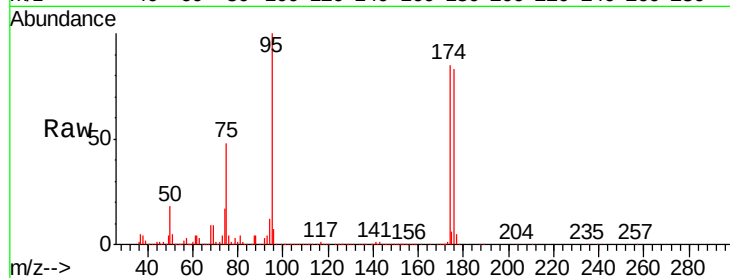




#76
 1,2,3-Trichloropropane
 Concen: 23.890 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.16 min
 Lab File: VX006817.D
 Acq: 26 Dec 2018 14:43

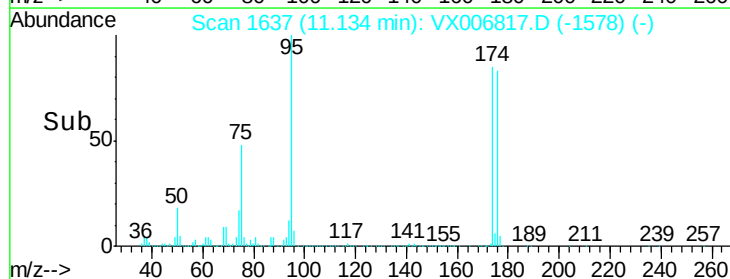
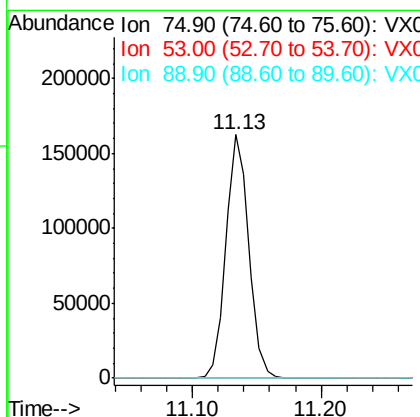
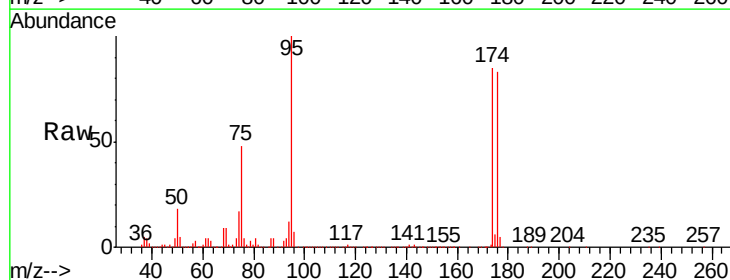
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-6

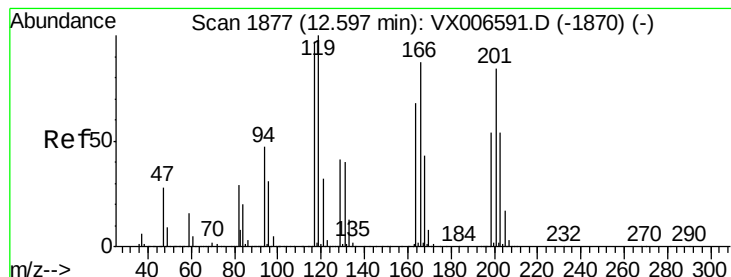
Tgt Ion: 75 Resp: 203936
 Ion Ratio Lower Upper
 75 100
 77 1.5 18.5 55.5#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 70.783 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. 0.06 min
 Lab File: VX006817.D
 Acq: 26 Dec 2018 14:43

Tgt Ion: 75 Resp: 203936
 Ion Ratio Lower Upper
 75 100
 53 0.0 79.7 119.5#
 89 0.0 38.0 57.0#





#90

Hexachloroethane

Concen: 3.307 ug/l

RT: 12.63 min Scan# 1882

Delta R.T. 0.03 min

Lab File: VX006817.D

Acq: 26 Dec 2018 14:43

Instrument :

MSVOA_X

ClientSampleId :

MW-6

Tgt Ion:117 Resp: 65

Ion Ratio Lower Upper

117 100

201 0.0 42.9 128.7#

