

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX090718\
 Data File : VX004410.D
 Acq On : 07 Sep 2018 16:31
 Operator : JC/MD
 Sample : J4812-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-12

Quant Time: Sep 08 03:22:49 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082218W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 23 05:39:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	322235	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	515032	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	500996	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	276665	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	222870	53.07	ug/l	0.00
Spiked Amount			Recovery	=	106.14%	
35) Dibromofluoromethane	5.50	113	196143	51.19	ug/l	0.00
Spiked Amount			Recovery	=	102.38%	
50) Toluene-d8	8.72	98	734309	50.77	ug/l	0.00
Spiked Amount			Recovery	=	101.54%	
62) 4-Bromofluorobenzene	11.14	95	261250	48.41	ug/l	0.00
Spiked Amount			Recovery	=	96.82%	

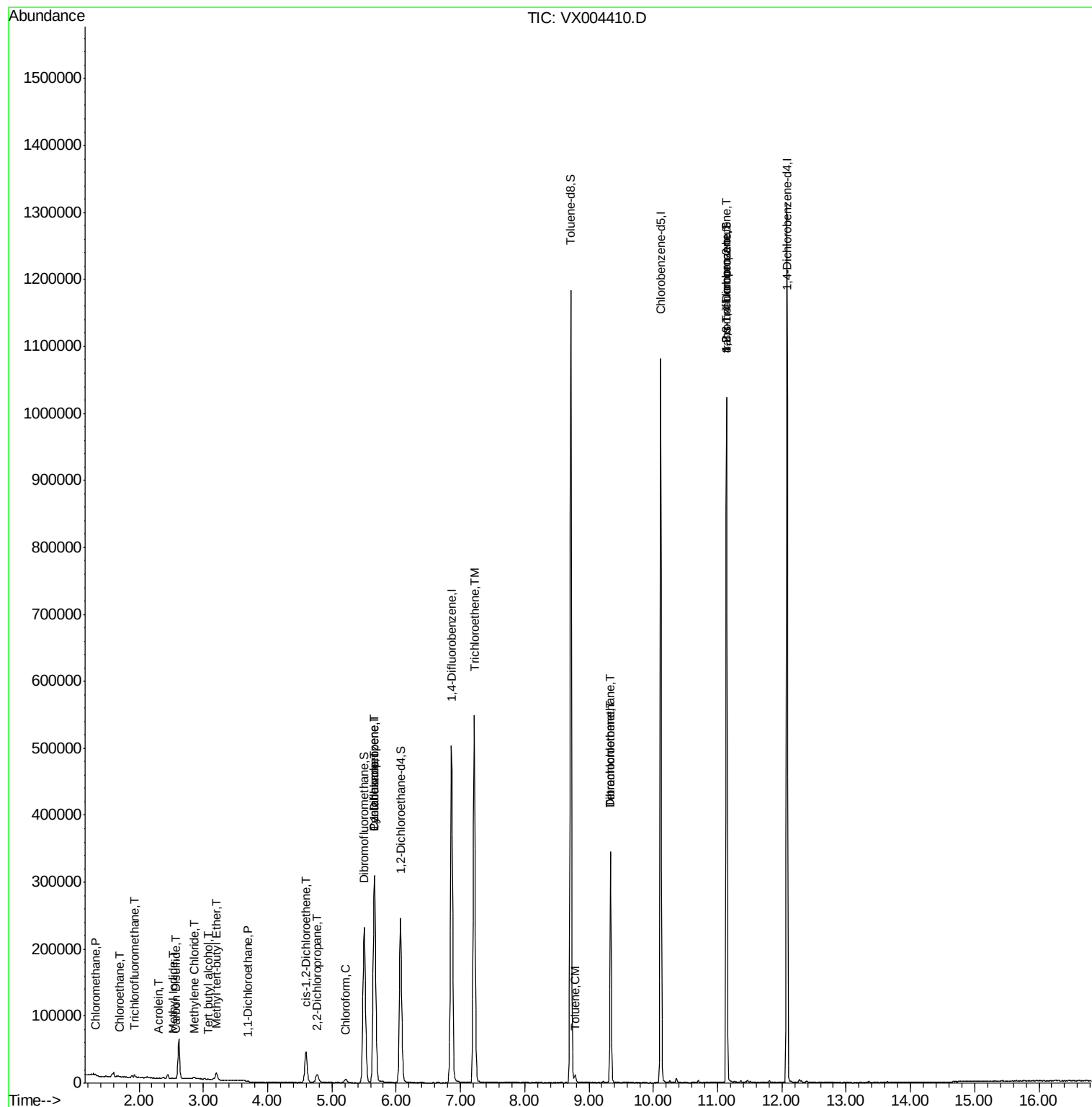
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	1016	0.53	ug/l	# 86
5) Bromomethane	1.65	94	1311	Below	Cal	82
6) Chloroethane	1.70	64	1656	1.45	ug/l	# 44
7) Trichlorofluoromethane	1.93	101	2745	0.47	ug/l	92
10) Methyl Iodide	2.53	142	758	4.43	ug/l	94
11) Tert butyl alcohol	3.07	59	880	0.98	ug/l	98
13) Acrolein	2.29	56	107	0.50	ug/l	# 16
16) Acetone	2.44	43	6088	Below	Cal	98
17) Carbon Disulfide	2.57	76	918	0.89	ug/l	# 67
19) Methyl tert-butyl Ether	3.20	73	10951	0.97	ug/l	94
20) Methylene Chloride	2.85	84	988	0.24	ug/l	# 88
24) 1,1-Dichloroethane	3.69	63	1400	0.21	ug/l	# 82
25) 2-Butanone	4.71	43	673	Below	Cal	98
26) 2,2-Dichloropropane	4.78	77	1104	0.21	ug/l	# 52
27) cis-1,2-Dichloroethene	4.60	96	30827	7.19	ug/l	90
30) Chloroform	5.21	83	5235	0.77	ug/l	86
31) Cyclohexane	5.65	56	5515	0.94	ug/l	# 1
36) 1,1-Dichloropropene	5.66	75	20949	3.62	ug/l	# 50
44) Trichloroethene	7.21	130	222627	46.49	ug/l	100
52) Toluene	8.79	92	3303	0.30	ug/l	93
60) Dibromochloromethane	9.34	129	61785	14.51	ug/l	# 11
64) Tetrachloroethene	9.34	164	70719	14.29	ug/l	97
76) 1,2,3-Trichloropropane	11.14	75	122808	21.83	ug/l	# 37
81) trans-1,4-Dichloro-2-buten	11.14	75	122808	70.81	ug/l	# 10
94) Hexachlorobutadiene	13.79	225	228	Below	Cal	90

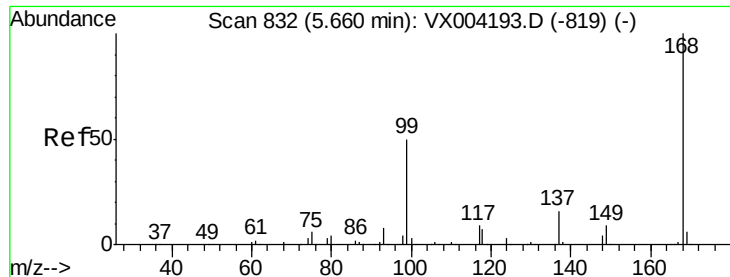
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
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ClientSampled :
MW-12

Quant Time: Sep 08 03:22:49 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X082218W.M
Quant Title : SW846 8260
QLast Update : Thu Aug 23 05:39:44 2018
Response via : Initial Calibration

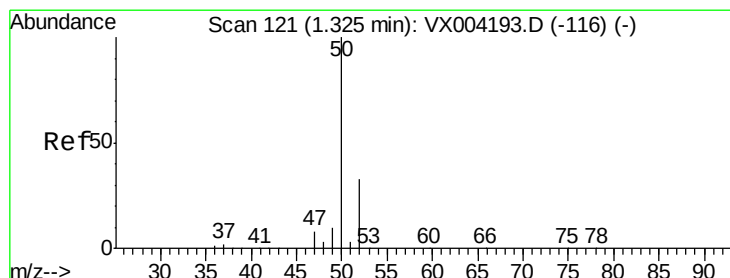
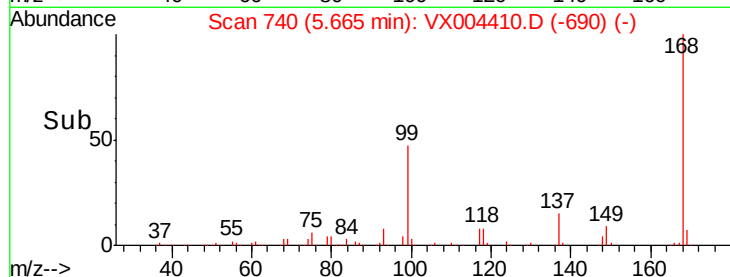
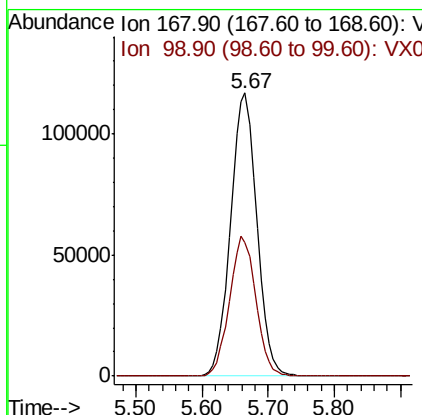
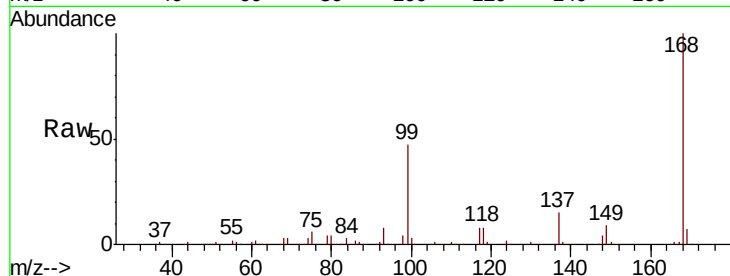




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.67 min Scan# 740
Delta R.T. 0.01 min
Lab File: VX004410.D
Acq: 07 Sep 2018 16:31

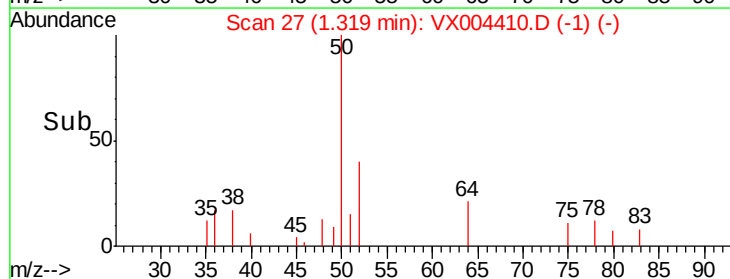
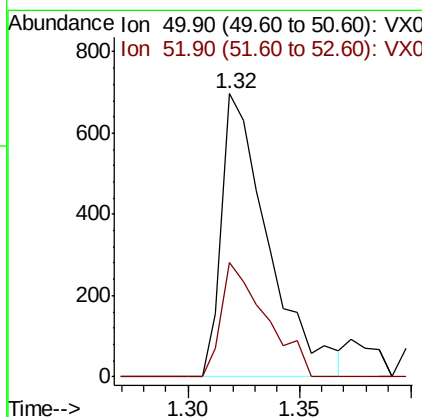
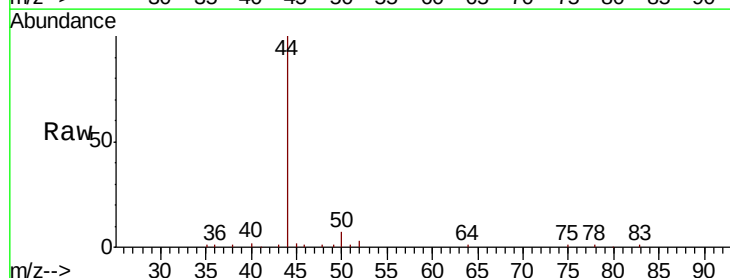
Instrument :
MSVOA_X
ClientSampleId :
MW-12

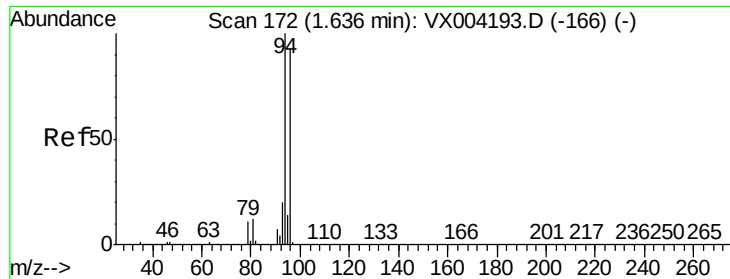
Tot Ion:168 Resp: 322235
Ion Ratio Lower Upper
168 100
99 47.2 39.9 59.9



#3
Chloromethane
Concen: 0.53 ug/l
RT: 1.32 min Scan# 27
Delta R.T. -0.01 min
Lab File: VX004410.D
Acq: 07 Sep 2018 16:31

Tgt Ion: 50 Resp: 1016
Ion Ratio Lower Upper
50 100
52 40.3 26.2 39.2#





#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX004410.D

Acq: 07 Sep 2018 16:31

Instrument :

MSVOA_X

ClientSampleId :

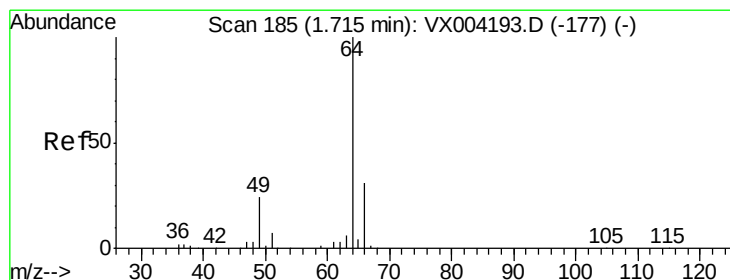
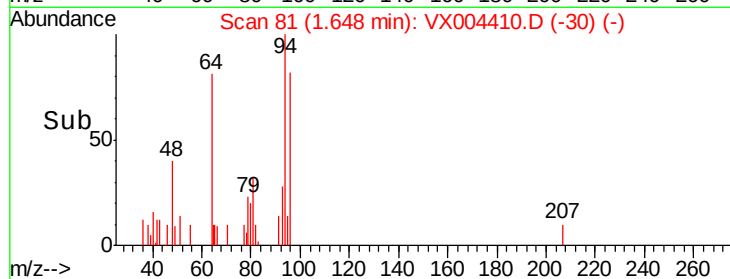
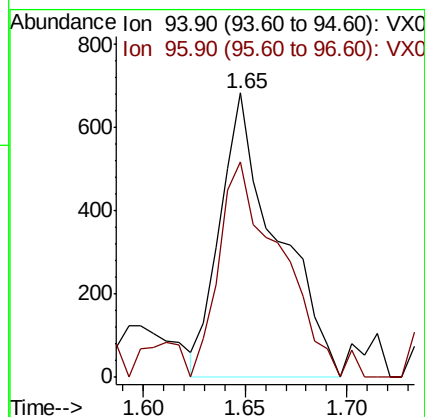
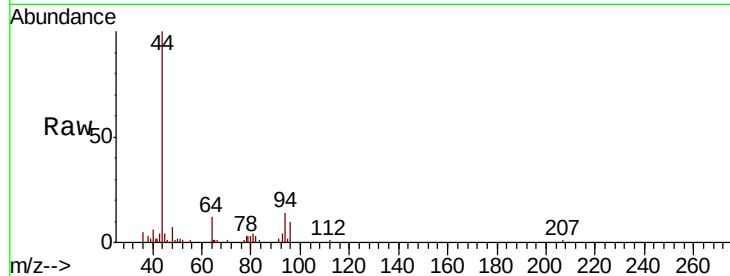
MW-12

Tot Ion: 94 Resp: 1311

Ion Ratio Lower Upper

94 100

96 75.8 74.5 111.7



#6

Chloroethane

Concen: 1.45 ug/l

RT: 1.70 min Scan# 90

Delta R.T. -0.01 min

Lab File: VX004410.D

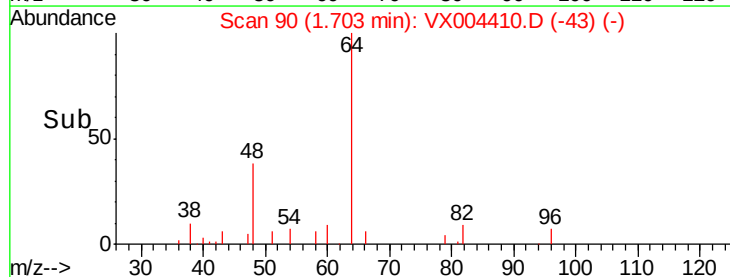
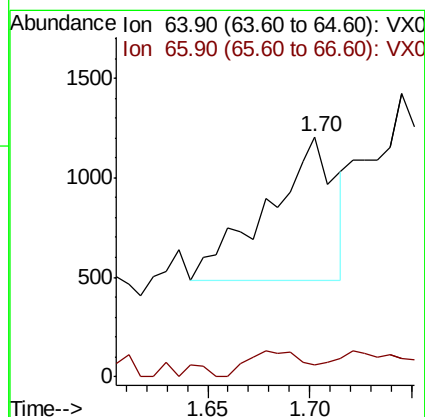
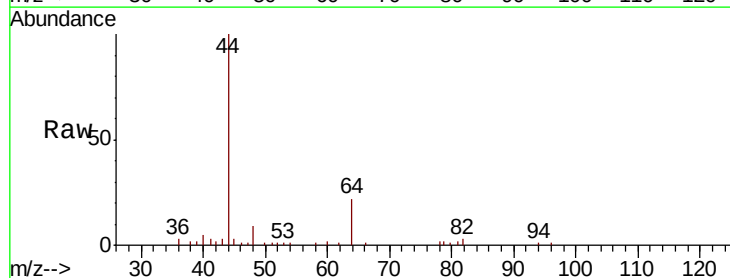
Acq: 07 Sep 2018 16:31

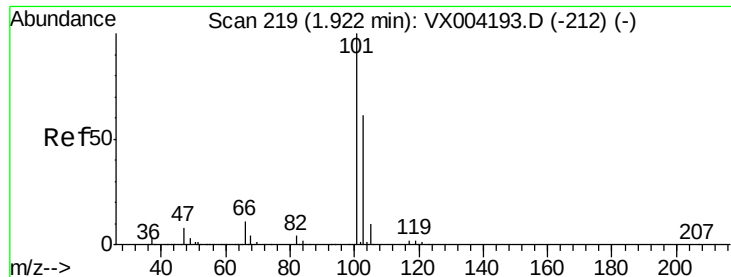
Tgt Ion: 64 Resp: 1656

Ion Ratio Lower Upper

64 100

66 0.0 24.6 36.8#



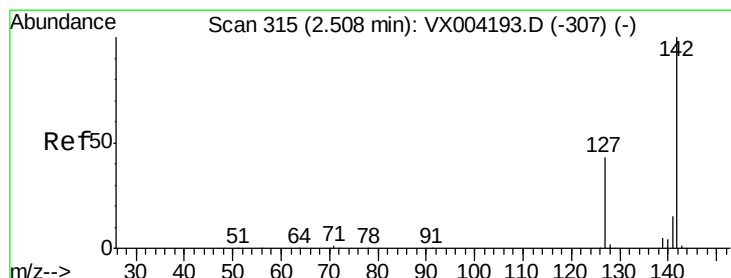
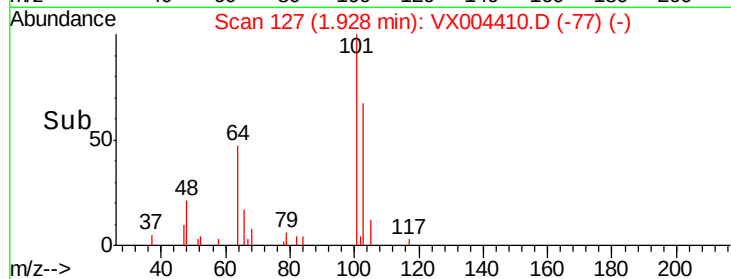
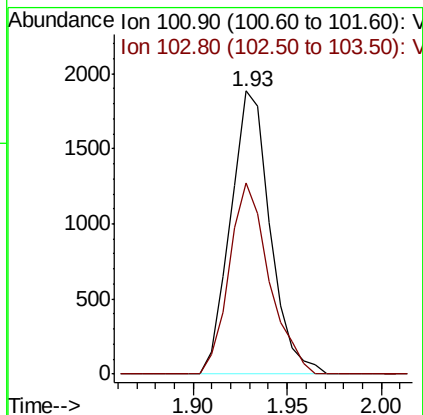
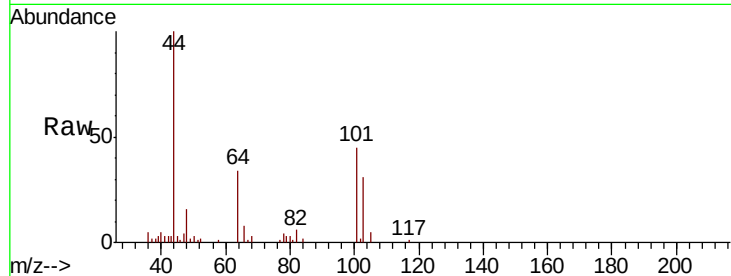


#7

Trichlorofluoromethane
Concen: 0.47 ug/l
RT: 1.93 min Scan# 127
Delta R.T. 0.01 min
Lab File: VX004410.D
Acq: 07 Sep 2018 16:31

Instrument :
MSVOA_X
ClientSampled :
MW-12

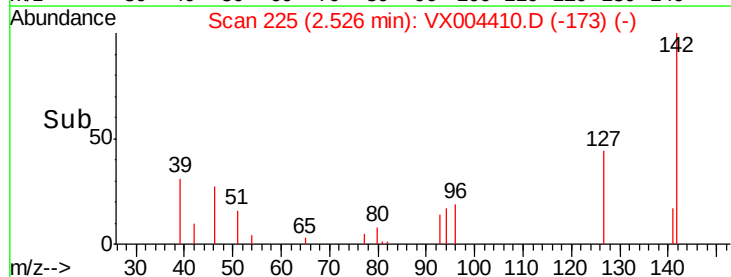
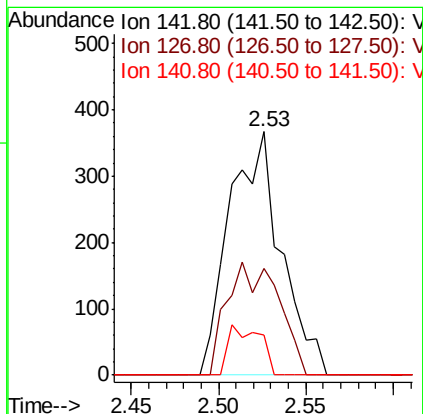
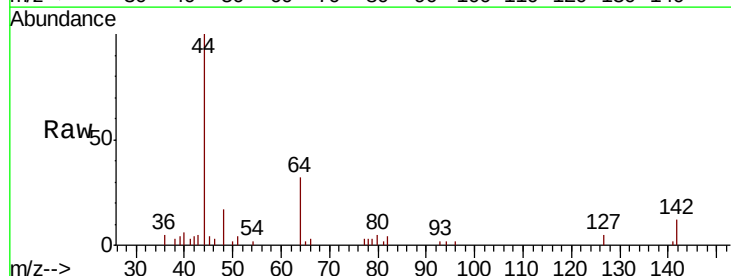
Tot Ion:101 Resp: 2745
Ion Ratio Lower Upper
101 100
103 67.5 48.9 73.3

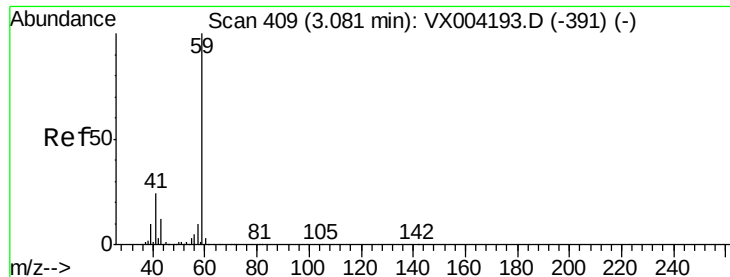


#10

Methyl Iodide
Concen: 4.43 ug/l
RT: 2.53 min Scan# 225
Delta R.T. 0.02 min
Lab File: VX004410.D
Acq: 07 Sep 2018 16:31

Tgt Ion:142 Resp: 758
Ion Ratio Lower Upper
142 100
127 46.0 33.8 50.6
141 12.5 11.4 17.0

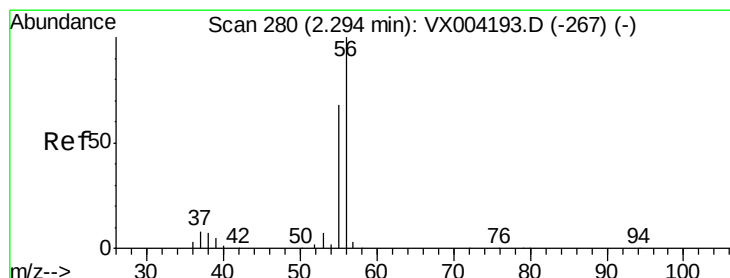
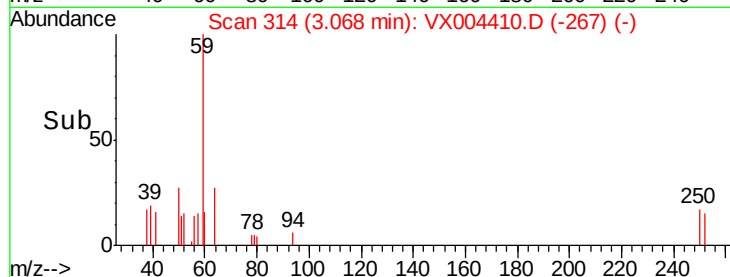
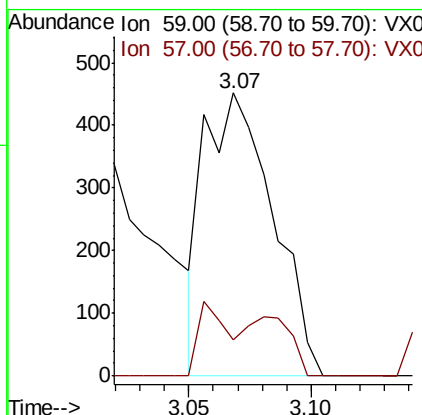
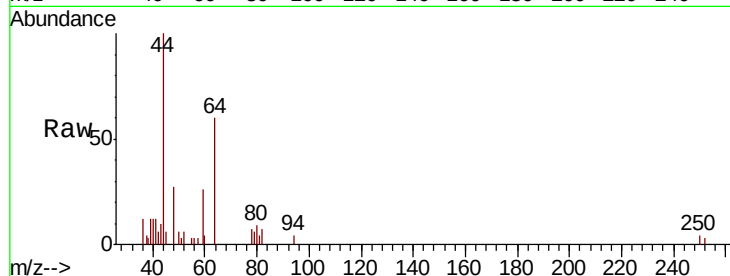




#11
Tert butyl alcohol
Concen: 0.98 ug/l
RT: 3.07 min Scan# 314
Delta R.T. -0.01 min
Lab File: VX004410.D
Acq: 07 Sep 2018 16:31

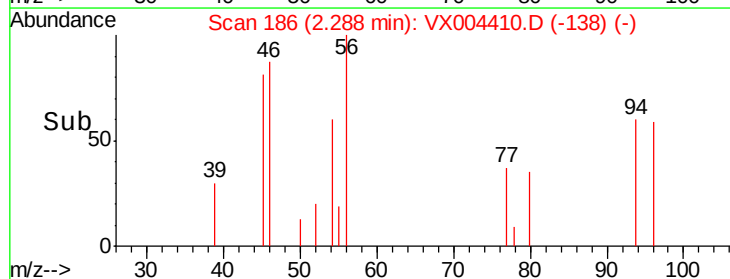
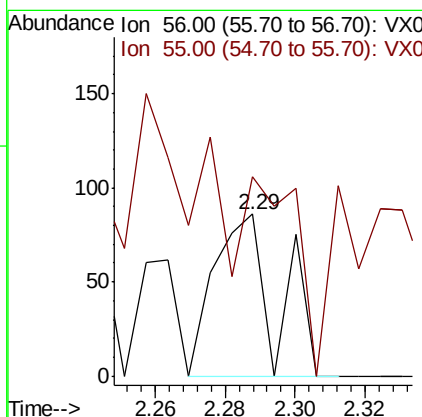
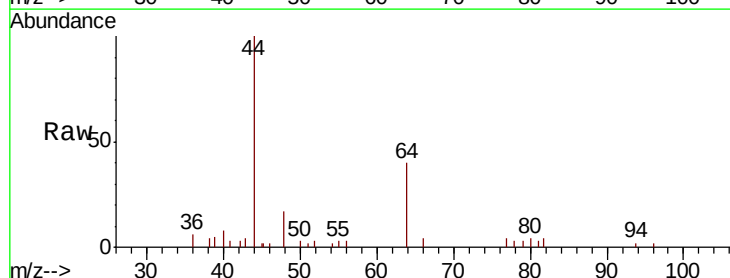
Instrument :
MSVOA_X
ClientSampled :
MW-12

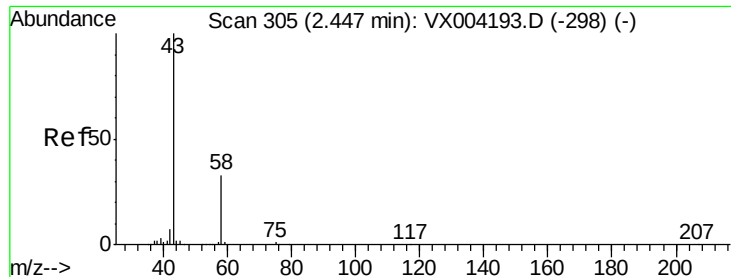
Tot Ion: 59 Resp: 880
Ion Ratio Lower Upper
59 100
57 11.0 8.2 12.4



#13
Acrolein
Concen: 0.50 ug/l
RT: 2.29 min Scan# 186
Delta R.T. -0.01 min
Lab File: VX004410.D
Acq: 07 Sep 2018 16:31

Tgt Ion: 56 Resp: 107
Ion Ratio Lower Upper
56 100
55 0.0 54.7 82.1#





#16

Acetone

Concen: Below Cal

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX004410.D

Acq: 07 Sep 2018 16:31

Instrument :

MSVOA_X

ClientSampled :

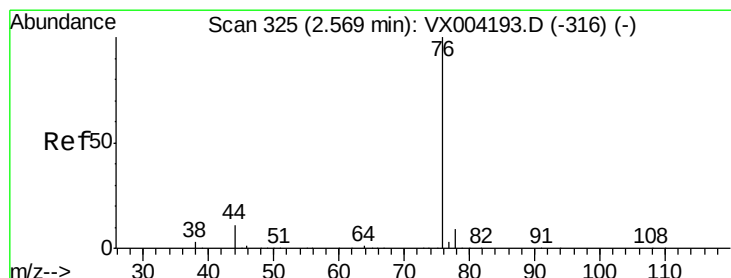
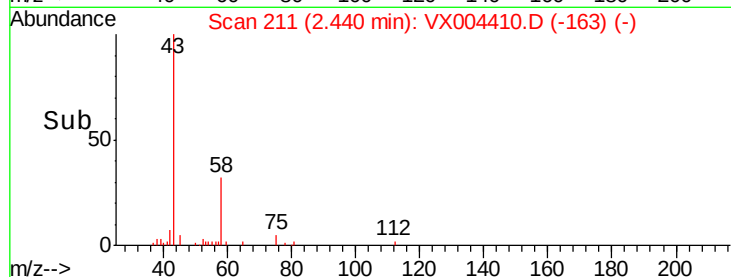
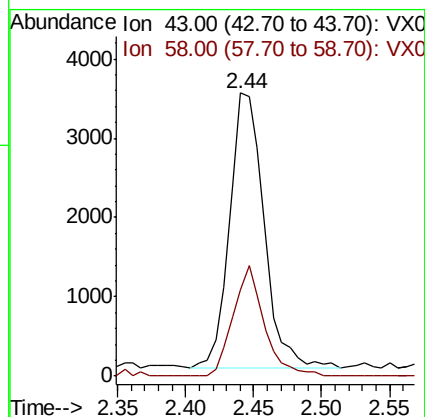
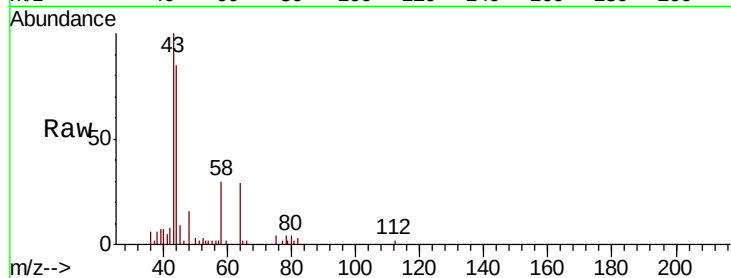
MW-12

Tot Ion: 43 Resp: 6088

Ion Ratio Lower Upper

43 100

58 31.4 26.2 39.4



#17

Carbon Disulfide

Concen: 0.89 ug/l

RT: 2.57 min Scan# 232

Delta R.T. 0.00 min

Lab File: VX004410.D

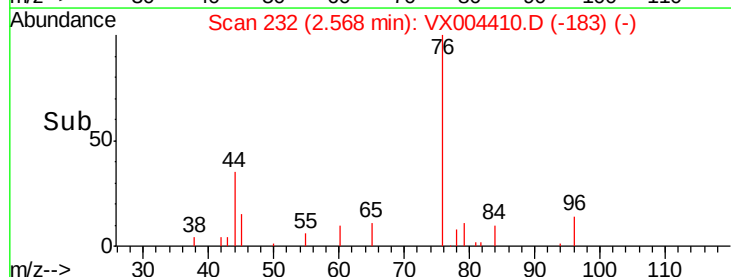
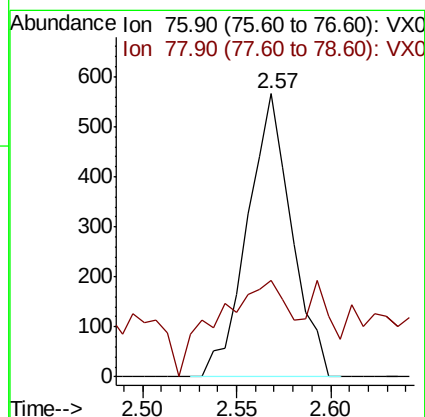
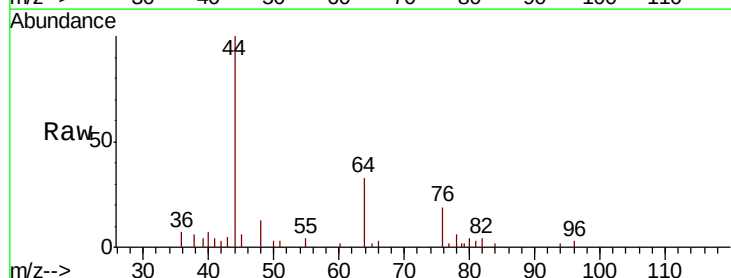
Acq: 07 Sep 2018 16:31

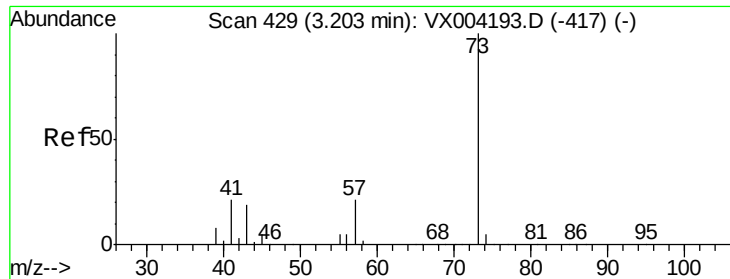
Tgt Ion: 76 Resp: 918

Ion Ratio Lower Upper

76 100

78 20.7 7.0 10.6#

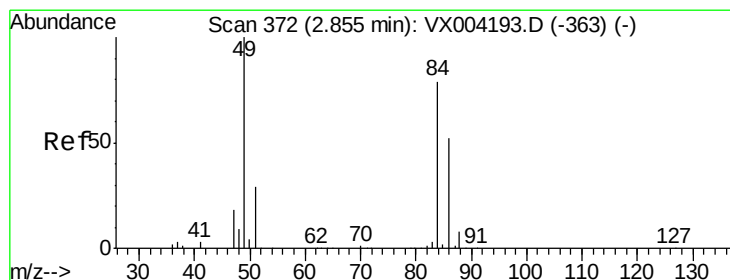
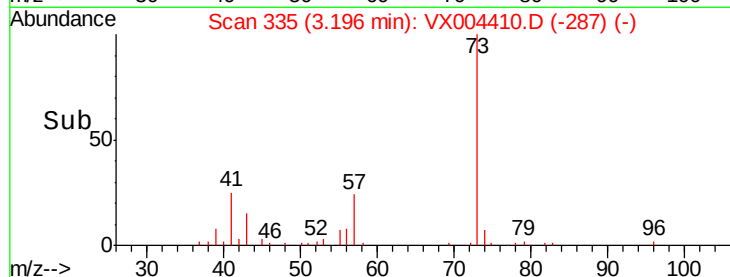
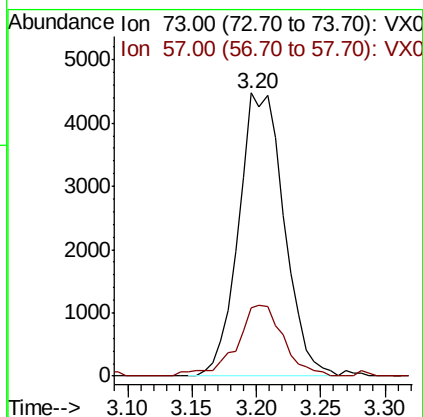
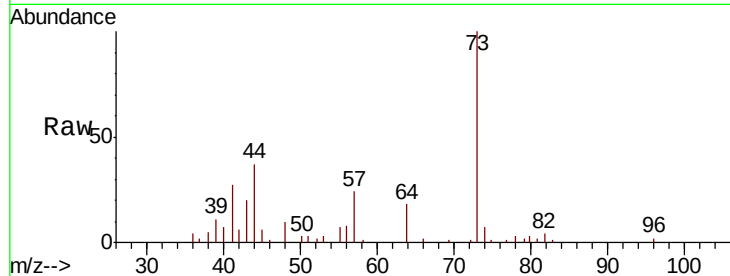




#19
Methyl tert-butyl Ether
Concen: 0.97 ug/l
RT: 3.20 min Scan# 335
Delta R.T. -0.01 min
Lab File: VX004410.D
Acq: 07 Sep 2018 16:31

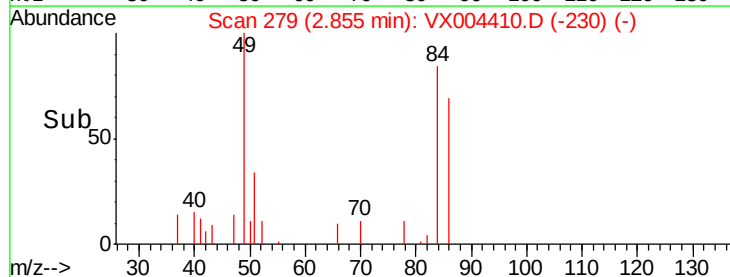
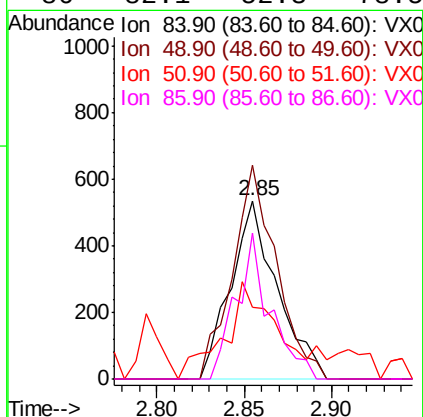
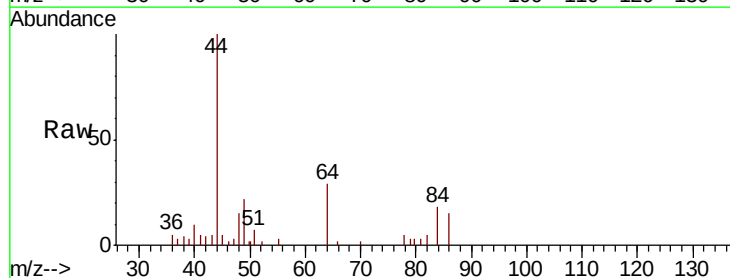
Instrument :
MSVOA_X
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MW-12

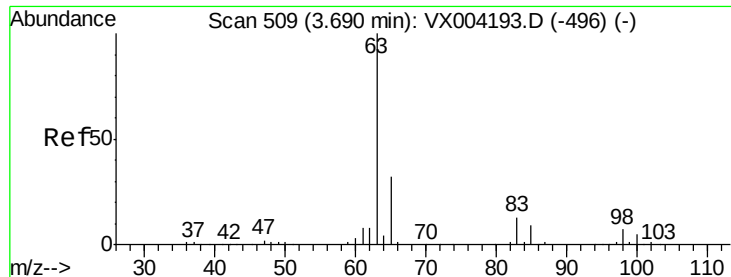
Tot Ion: 73 Resp: 10951
Ion Ratio Lower Upper
73 100
57 24.0 17.1 25.7



#20
Methylene Chloride
Concen: 0.24 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.00 min
Lab File: VX004410.D
Acq: 07 Sep 2018 16:31

Tgt Ion: 84 Resp: 988
Ion Ratio Lower Upper
84 100
49 119.6 101.2 151.8
51 28.4 29.5 44.3#
86 82.1 52.3 78.5#





#24

1,1-Dichloroethane

Concen: 0.21 ug/l

RT: 3.69 min Scan# 416

Delta R.T. -0.00 min

Lab File: VX004410.D

Acq: 07 Sep 2018 16:31

Instrument :

MSVOA_X

ClientSampled :

MW-12

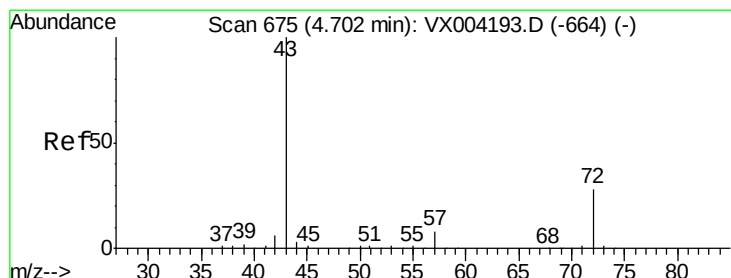
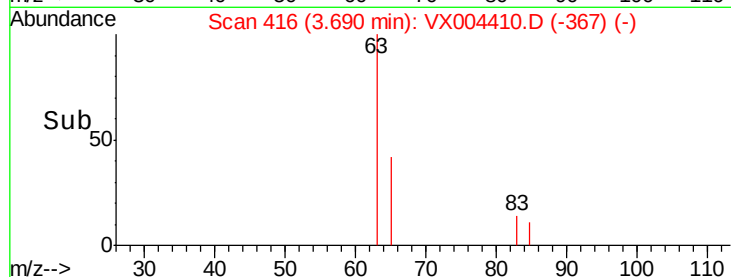
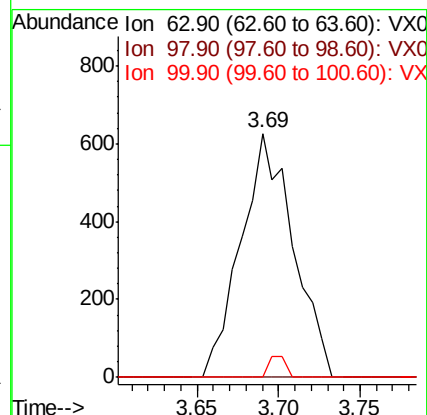
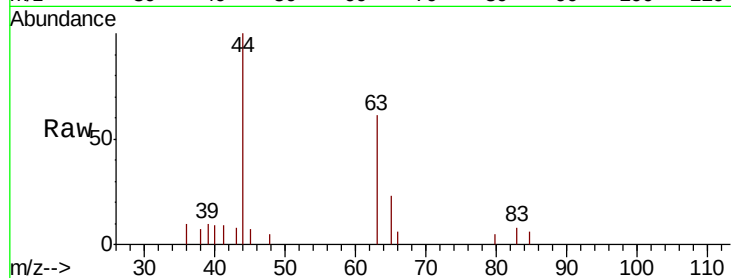
Tot Ion: 63 Resp: 1400

Ion Ratio Lower Upper

63 100

98 0.0 3.5 10.4#

100 0.0 2.4 7.1#



#25

2-Butanone

Concen: Below Cal

RT: 4.71 min Scan# 583

Delta R.T. 0.01 min

Lab File: VX004410.D

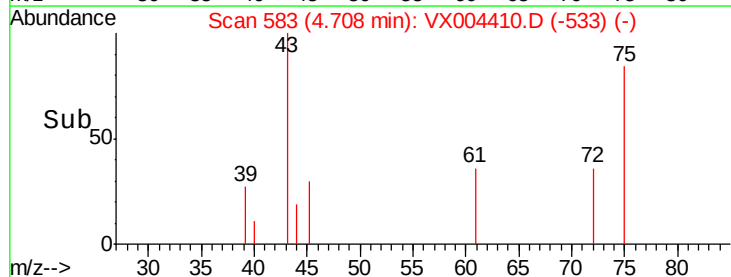
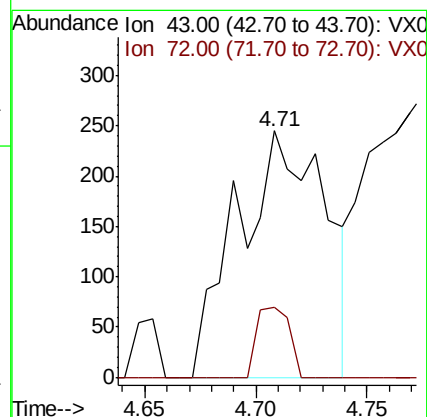
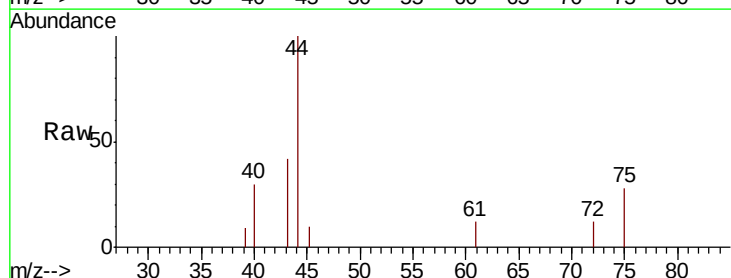
Acq: 07 Sep 2018 16:31

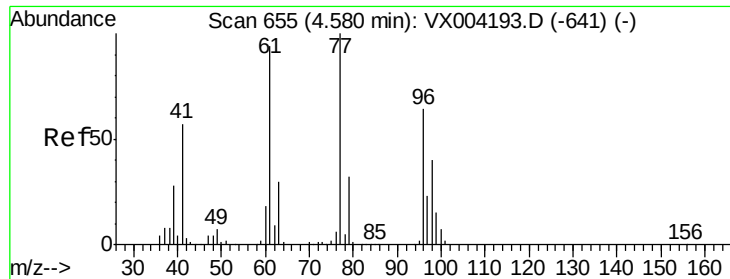
Tgt Ion: 43 Resp: 673

Ion Ratio Lower Upper

43 100

72 28.6 22.0 33.0

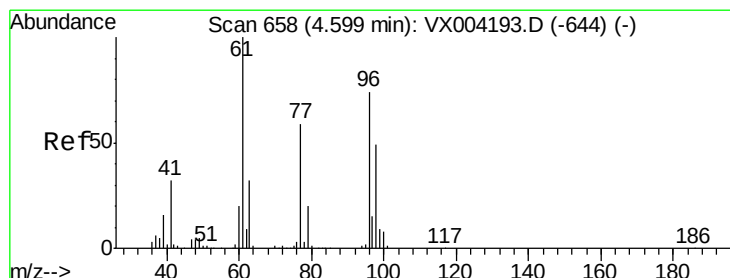
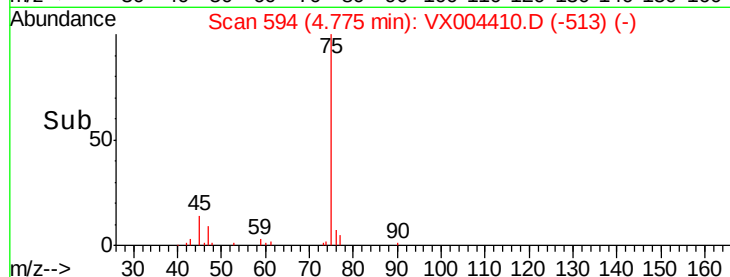
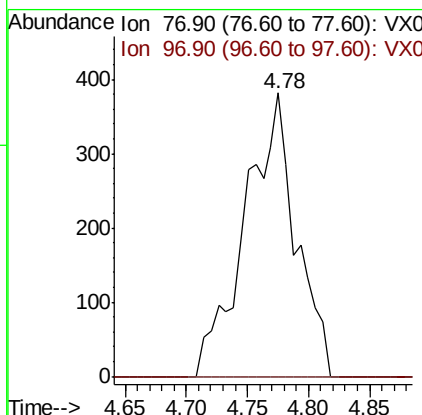
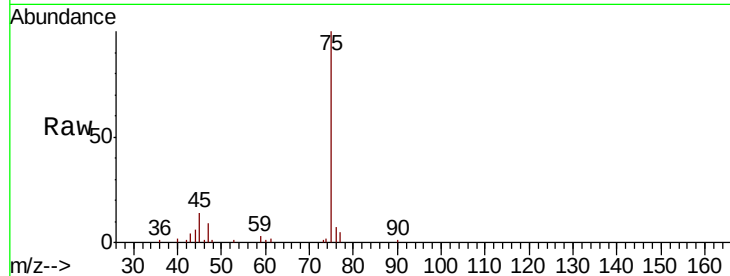




#26
 2,2-Dichloropropane
 Concen: 0.21 ug/l
 RT: 4.78 min Scan# 594
 Delta R.T. 0.19 min
 Lab File: VX004410.D
 Acq: 07 Sep 2018 16:31

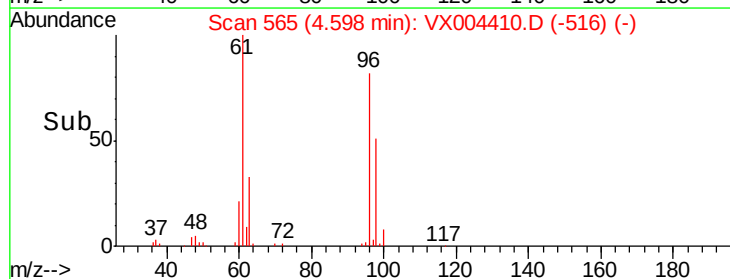
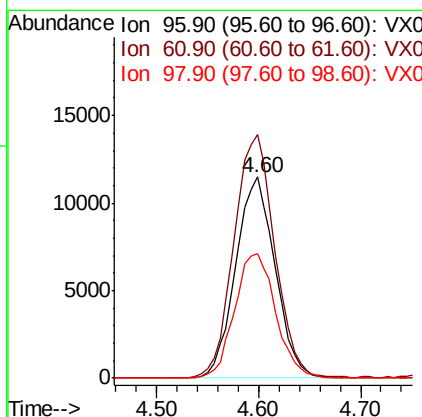
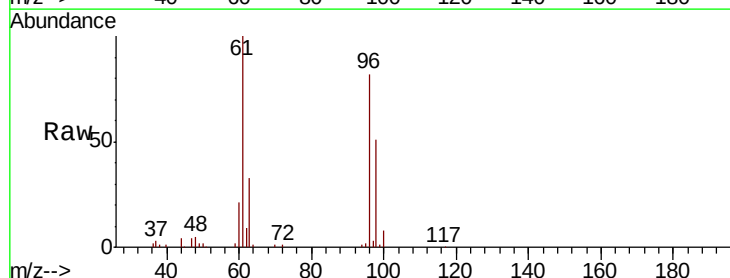
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-12

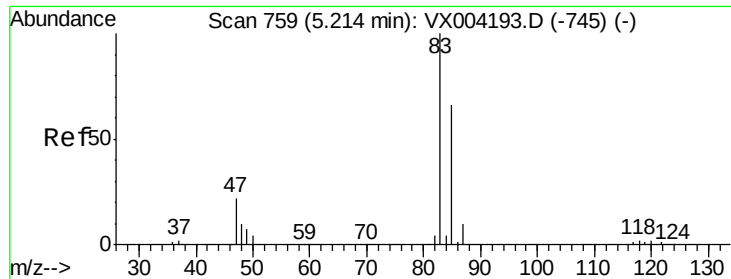
Tot Ion: 77 Resp: 1104
 Ion Ratio Lower Upper
 77 100
 97 0.0 11.7 35.0#



#27
 cis-1,2-Dichloroethene
 Concen: 7.19 ug/l
 RT: 4.60 min Scan# 565
 Delta R.T. -0.00 min
 Lab File: VX004410.D
 Acq: 07 Sep 2018 16:31

Tgt Ion: 96 Resp: 30827
 Ion Ratio Lower Upper
 96 100
 61 124.7 0.0 282.6
 98 64.2 0.0 130.2

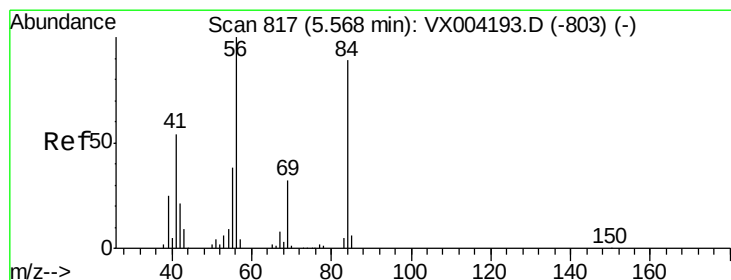
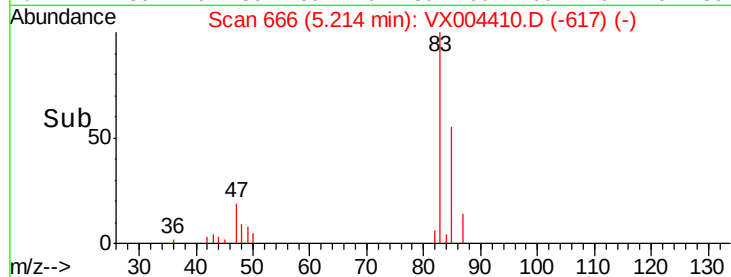
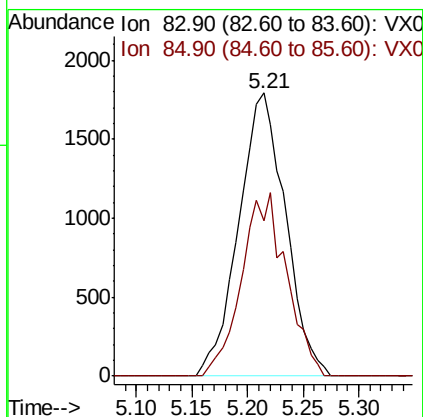
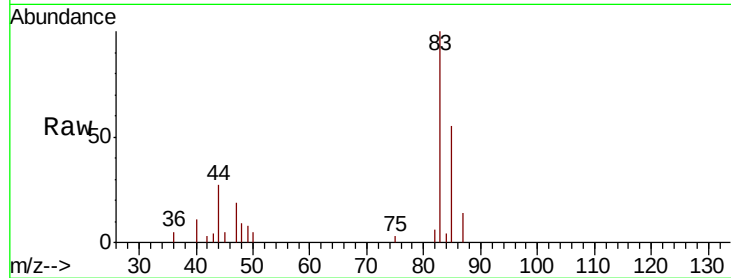




#30
Chloroform
Concen: 0.77 ug/l
RT: 5.21 min Scan# 666
Delta R.T. -0.00 min
Lab File: VX004410.D
Acq: 07 Sep 2018 16:31

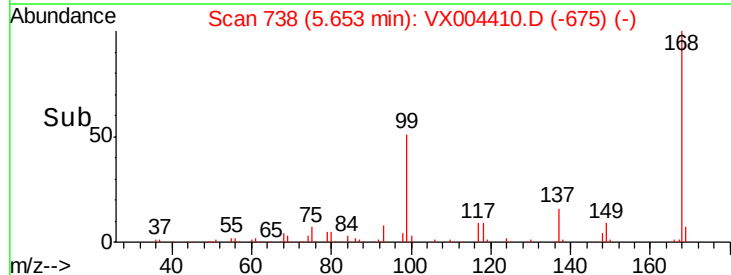
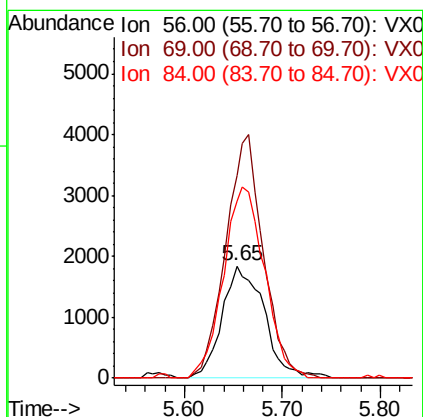
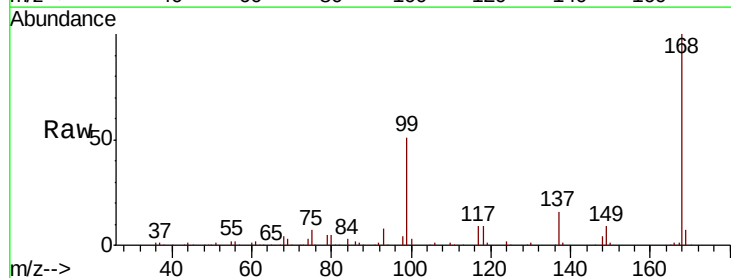
Instrument :
MSVOA_X
ClientSampleId :
MW-12

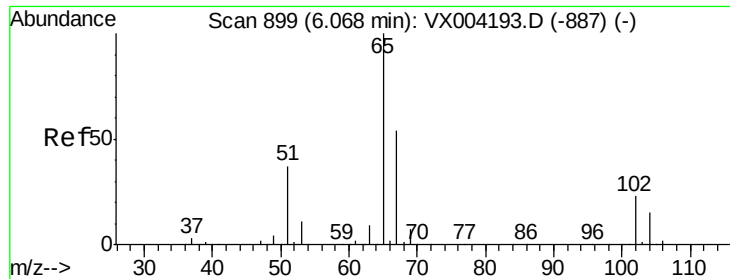
Tot Ion: 83 Resp: 5235
Ion Ratio Lower Upper
83 100
85 55.0 52.6 79.0



#31
Cyclohexane
Concen: 0.94 ug/l
RT: 5.65 min Scan# 738
Delta R.T. 0.09 min
Lab File: VX004410.D
Acq: 07 Sep 2018 16:31

Tgt Ion: 56 Resp: 5515
Ion Ratio Lower Upper
56 100
69 180.9 25.4 38.2#
84 158.1 71.4 107.2#

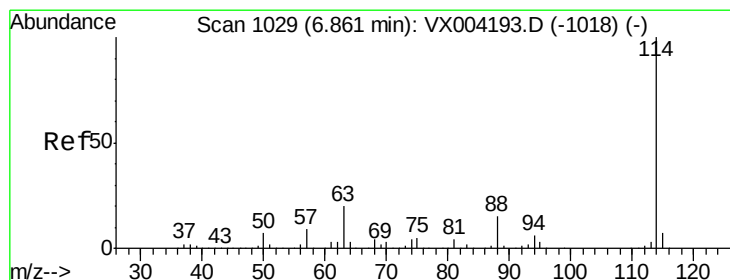
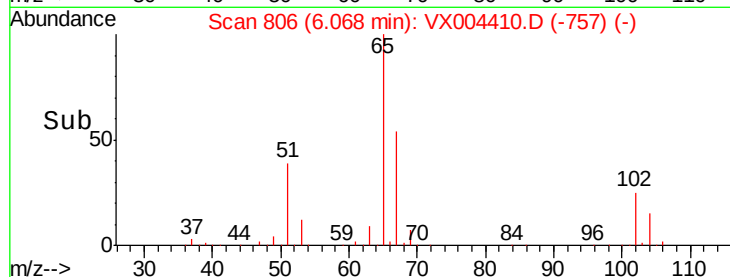
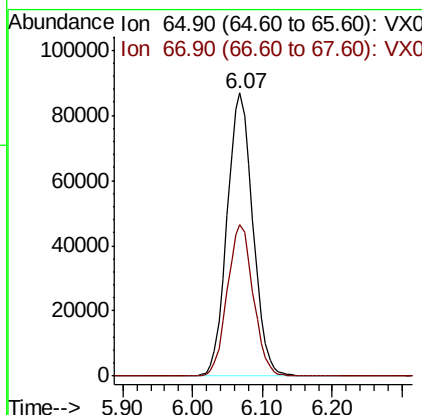
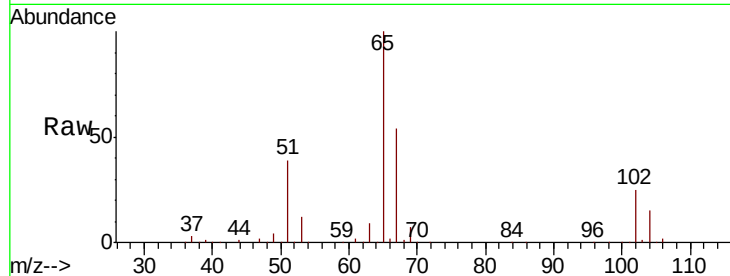




#33
 1,2-Dichloroethane-d4
 Concen: 53.07 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. -0.00 min
 Lab File: VX004410.D
 Acq: 07 Sep 2018 16:31

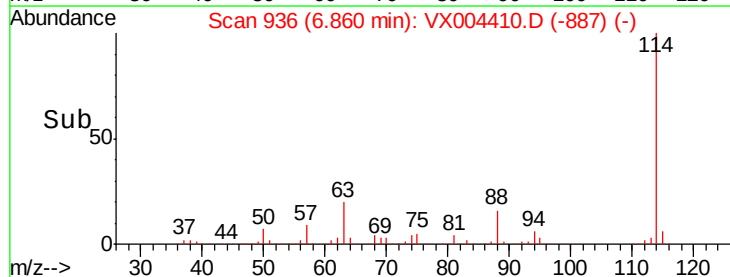
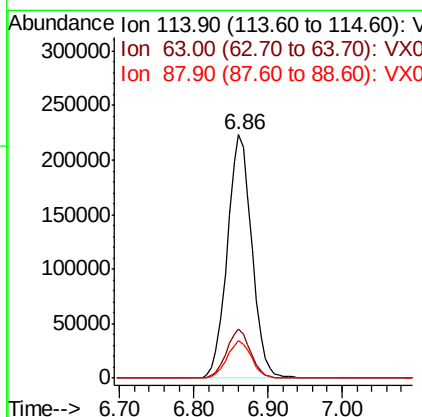
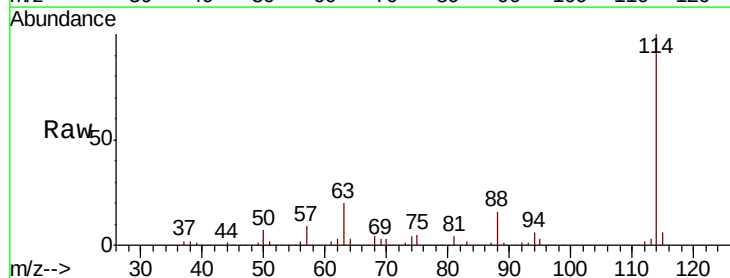
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-12

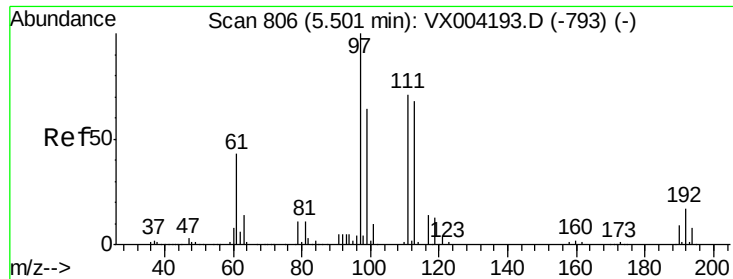
Tot Ion: 65 Resp: 222870
 Ion Ratio Lower Upper
 65 100
 67 53.7 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX004410.D
 Acq: 07 Sep 2018 16:31

Tgt Ion: 114 Resp: 515032
 Ion Ratio Lower Upper
 114 100
 63 20.0 0.0 39.0
 88 15.5 0.0 30.4





#35

Dibromofluoromethane

Concen: 51.19 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX004410.D

Acq: 07 Sep 2018 16:31

Instrument :

MSVOA_X

ClientSampleId :

MW-12

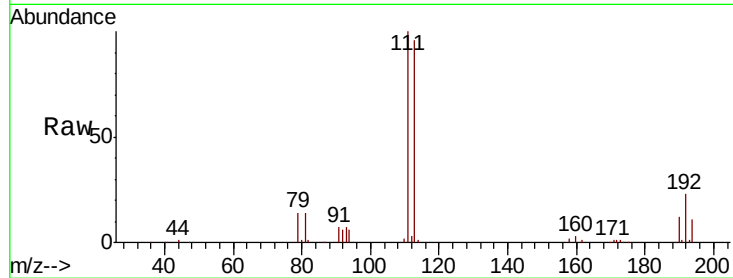
Tot Ion:113 Resp: 196143

Ion Ratio Lower Upper

113 100

111 103.1 82.4 123.6

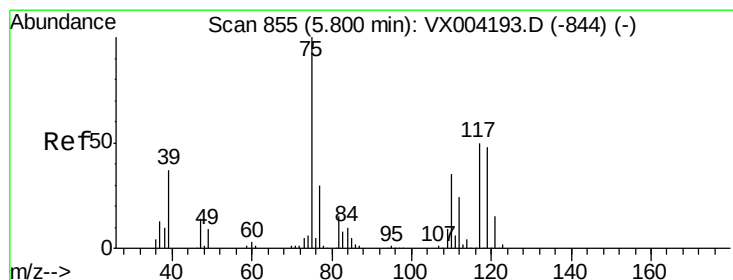
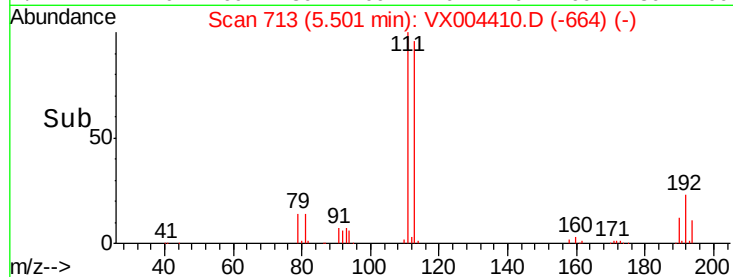
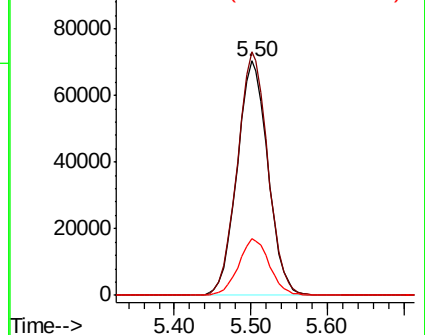
192 24.1 19.4 29.2



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: 3.62 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX004410.D

Acq: 07 Sep 2018 16:31

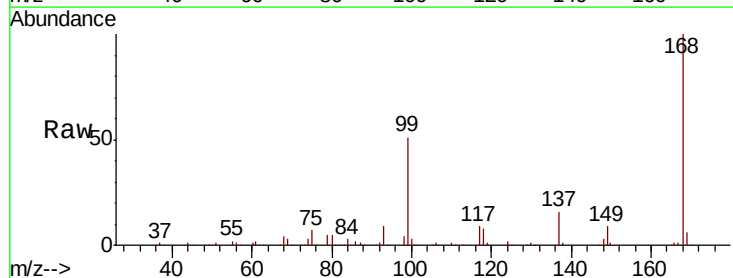
Tgt Ion: 75 Resp: 20949

Ion Ratio Lower Upper

75 100

110 9.9 18.0 54.0#

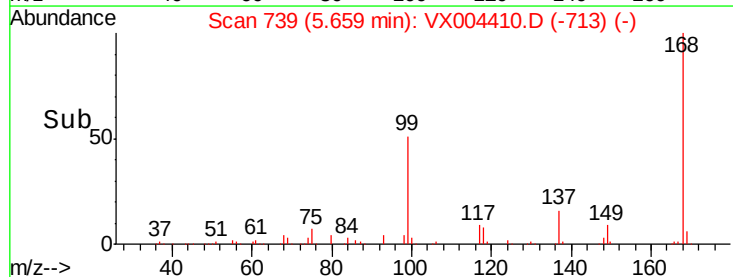
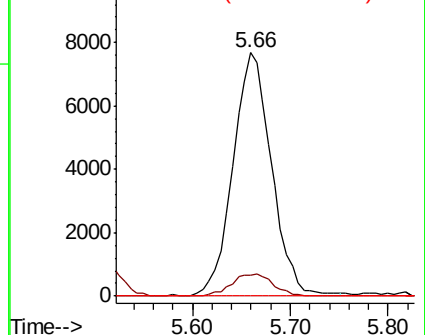
77 0.0 24.6 36.8#

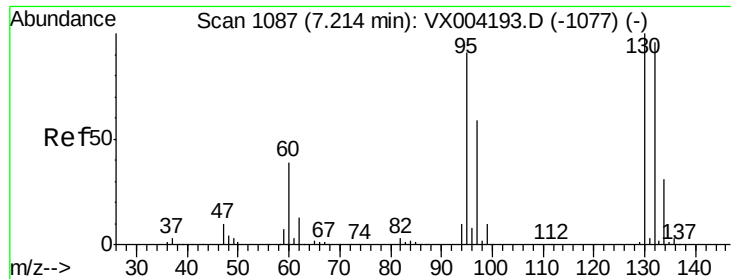


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

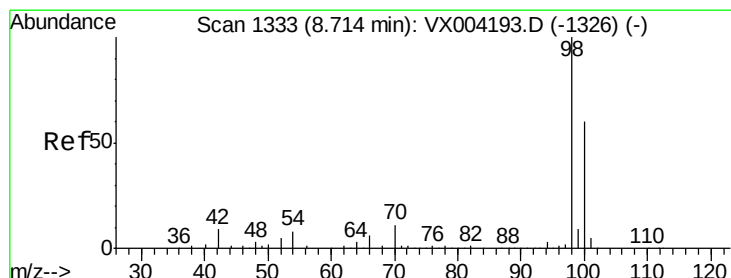
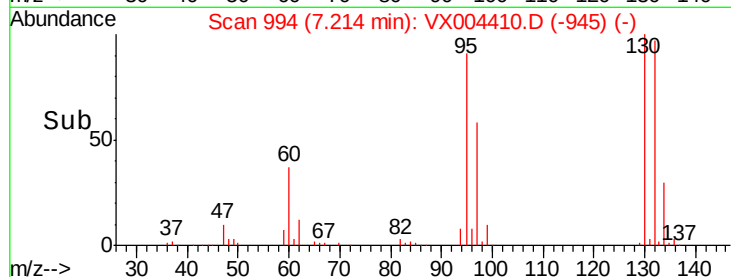
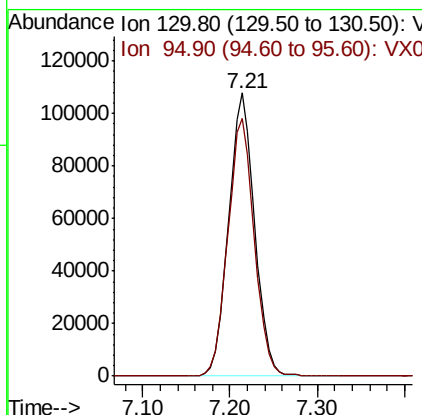
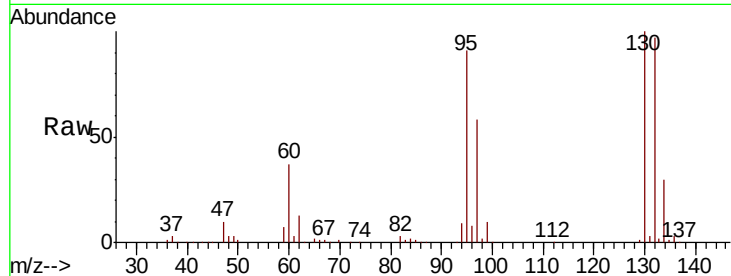




#44
 Trichloroethene
 Concen: 46.49 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. -0.00 min
 Lab File: VX004410.D
 Acq: 07 Sep 2018 16:31

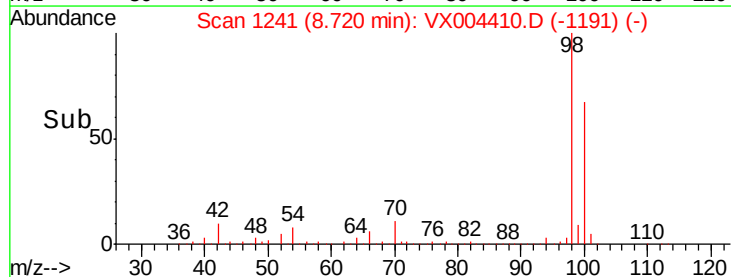
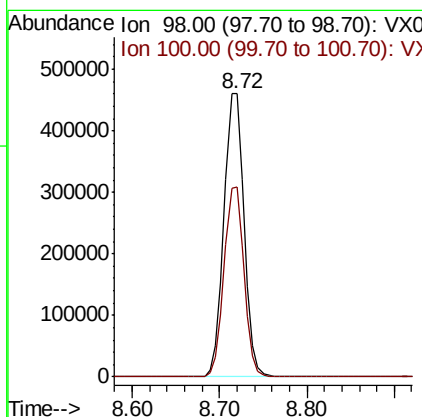
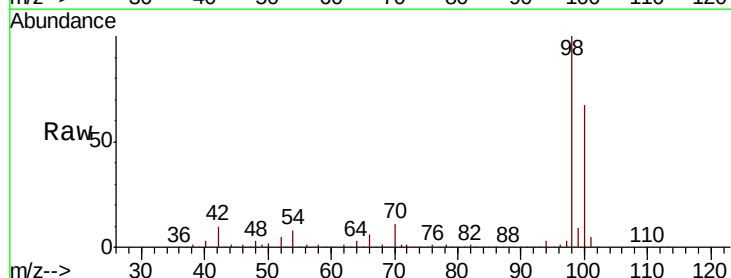
Instrument :
 MSVOA_X
 ClientSampled :
 MW-12

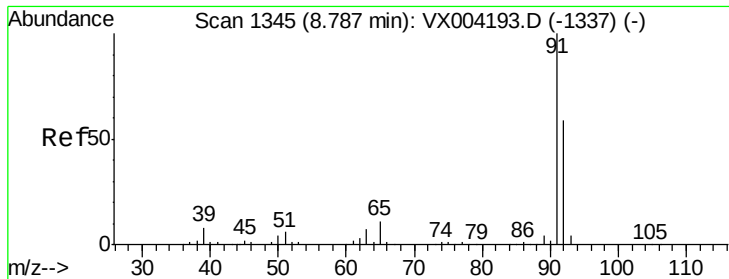
Tot Ion:130 Resp: 222627
 Ion Ratio Lower Upper
 130 100
 95 91.2 0.0 181.6



#50
 Toluene-d8
 Concen: 50.77 ug/l
 RT: 8.72 min Scan# 1241
 Delta R.T. 0.01 min
 Lab File: VX004410.D
 Acq: 07 Sep 2018 16:31

Tgt Ion: 98 Resp: 734309
 Ion Ratio Lower Upper
 98 100
 100 66.6 52.9 79.3





#52

Toluene

Concen: 0.30 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VX004410.D

Acq: 07 Sep 2018 16:31

Instrument :

MSVOA_X

ClientSampled :

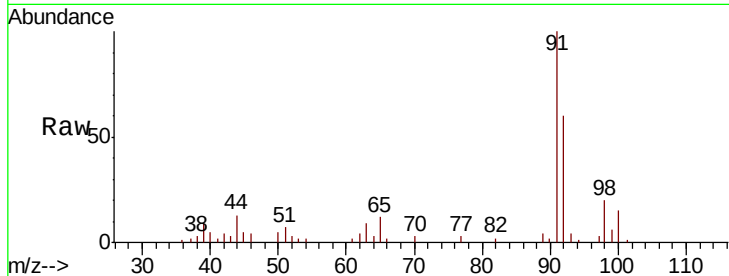
MW-12

Tot Ion: 92 Resp: 3303

Ion Ratio Lower Upper

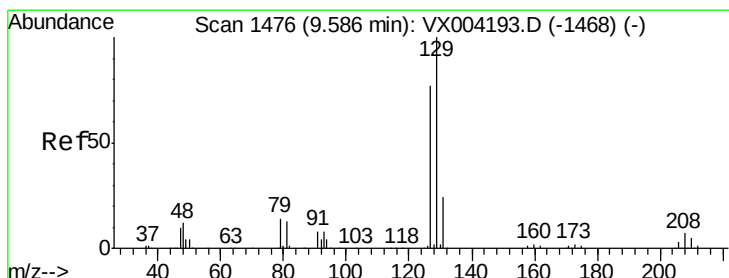
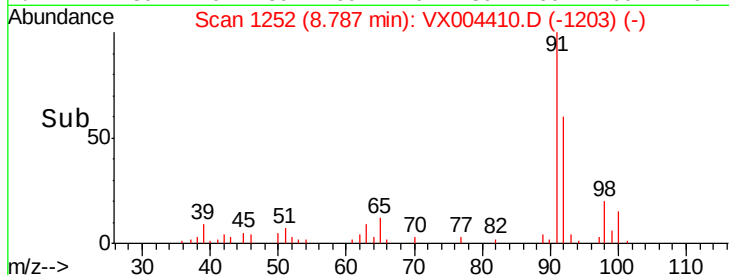
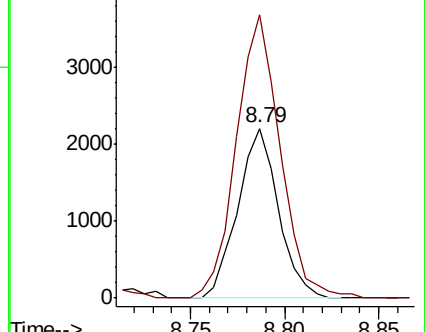
92 100

91 179.7 136.4 204.6



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0



#60

Dibromochloromethane

Concen: 14.51 ug/l

RT: 9.34 min Scan# 1342

Delta R.T. -0.25 min

Lab File: VX004410.D

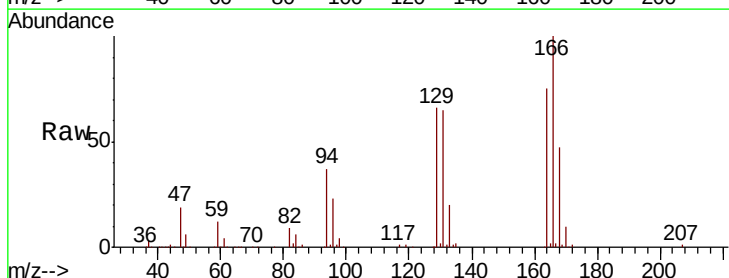
Acq: 07 Sep 2018 16:31

Tgt Ion: 129 Resp: 61785

Ion Ratio Lower Upper

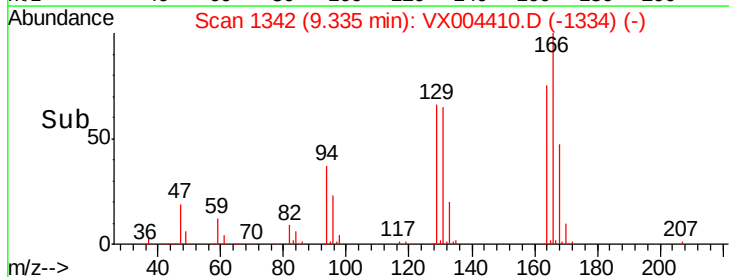
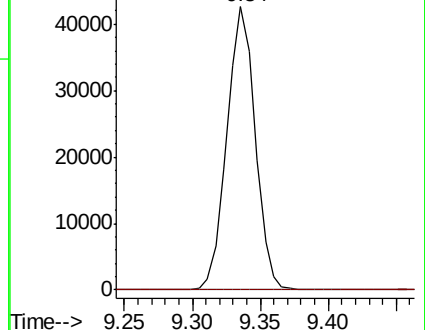
129 100

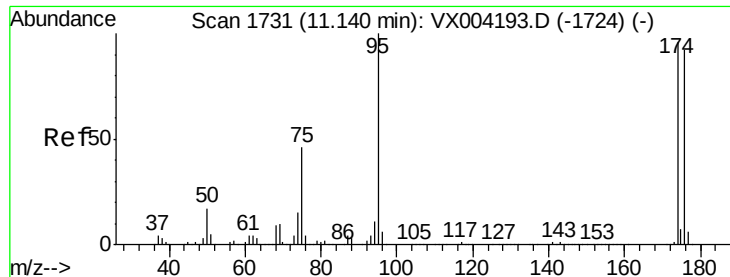
127 0.0 38.5 115.5#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

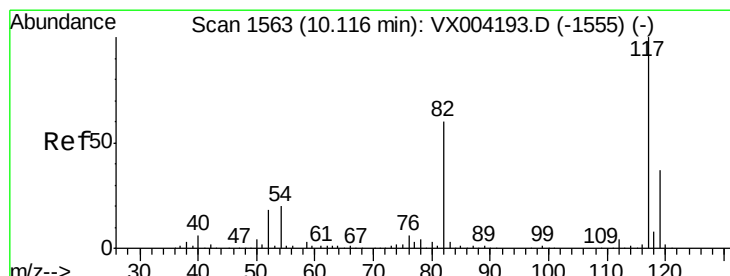
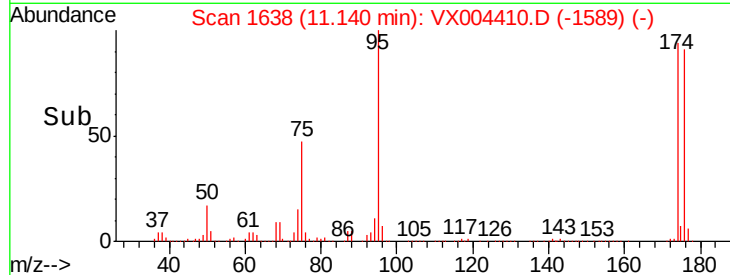
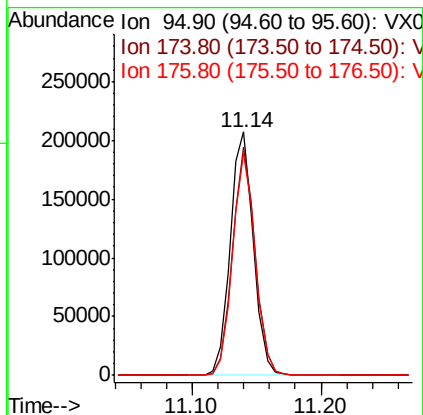
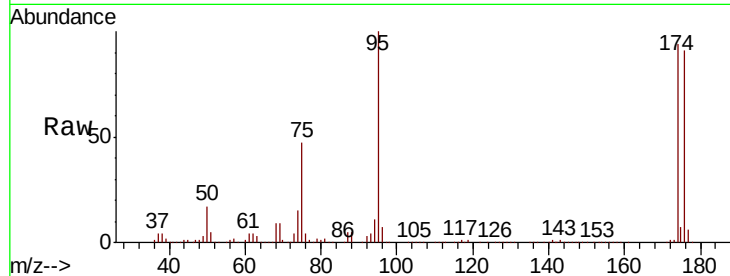




#62
4-Bromofluorobenzene
Concen: 48.41 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. -0.00 min
Lab File: VX004410.D
Acq: 07 Sep 2018 16:31

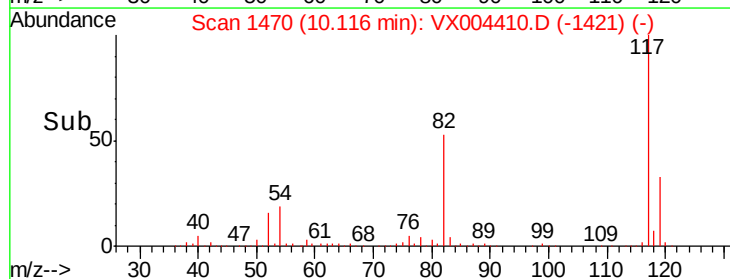
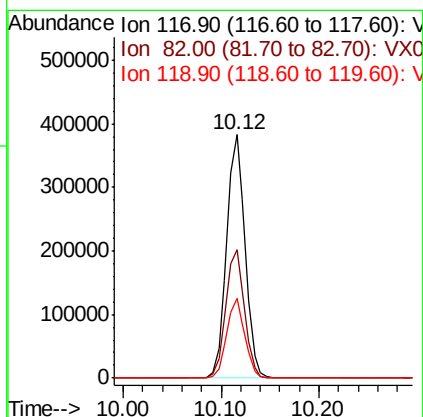
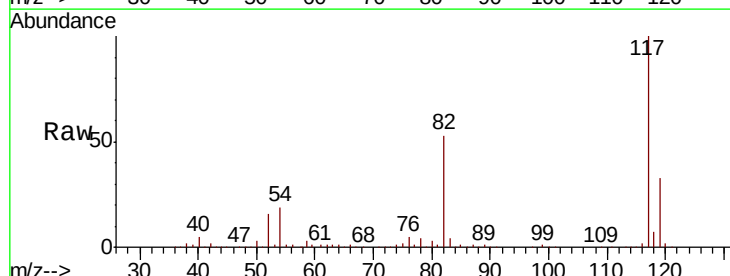
Instrument :
MSVOA_X
ClientSampled :
MW-12

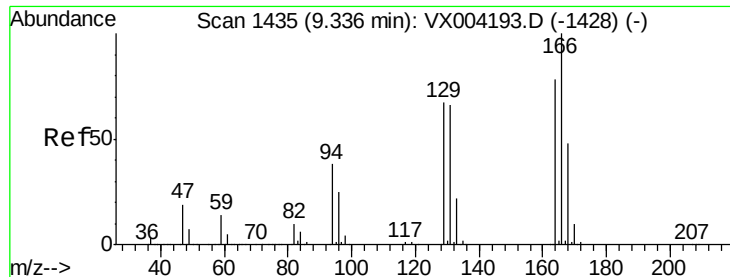
Tot Ion: 95 Resp: 261250
Ion Ratio Lower Upper
95 100
174 91.5 0.0 185.2
176 89.0 0.0 178.6



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX004410.D
Acq: 07 Sep 2018 16:31

Tgt Ion: 117 Resp: 500996
Ion Ratio Lower Upper
117 100
82 53.0 47.8 71.6
119 32.7 29.3 43.9

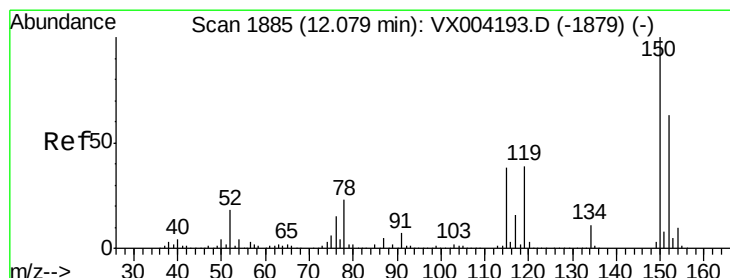
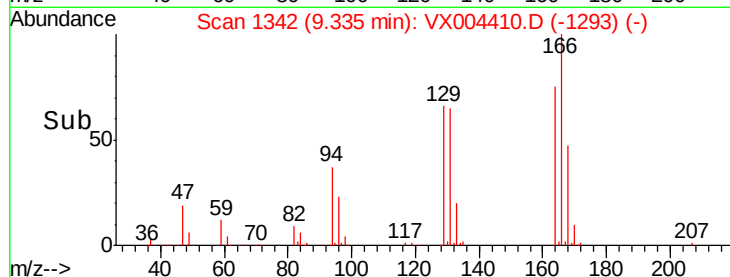
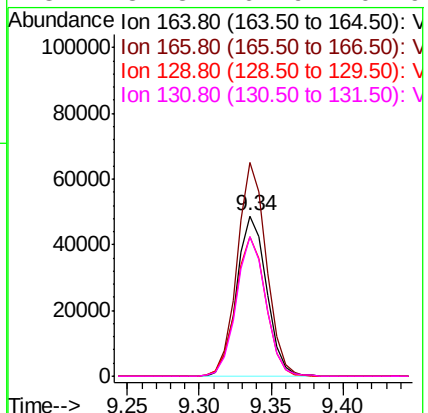
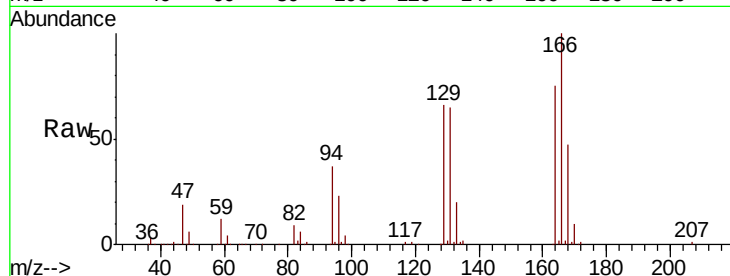




#64
Tetrachloroethene
Concen: 14.29 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX004410.D
Acq: 07 Sep 2018 16:31

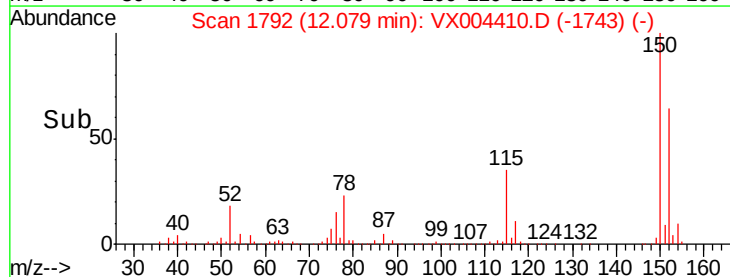
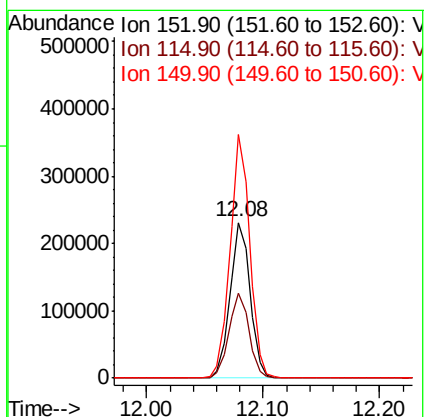
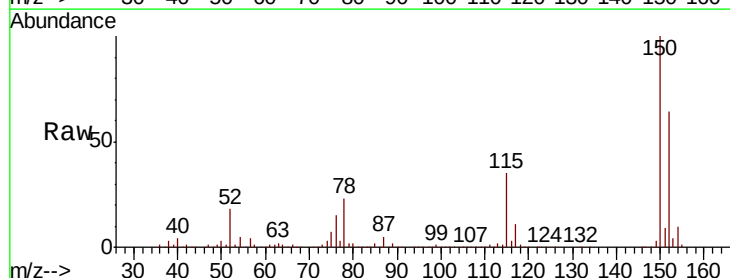
Instrument :
MSVOA_X
ClientSampleId :
MW-12

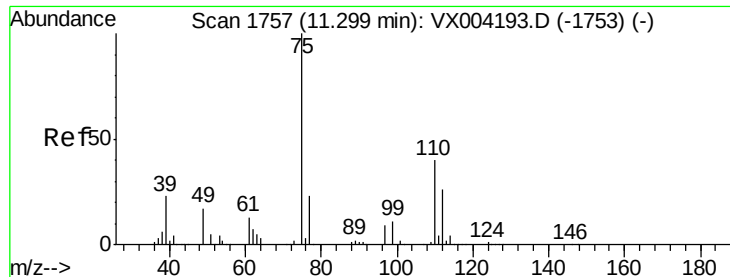
Tot Ion	Ratio	Lower	Upper
164	100		
166	133.4	102.8	154.2
129	87.5	69.4	104.0
131	87.3	67.9	101.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX004410.D
Acq: 07 Sep 2018 16:31

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.5	39.0	117.0
150	154.2	0.0	351.0

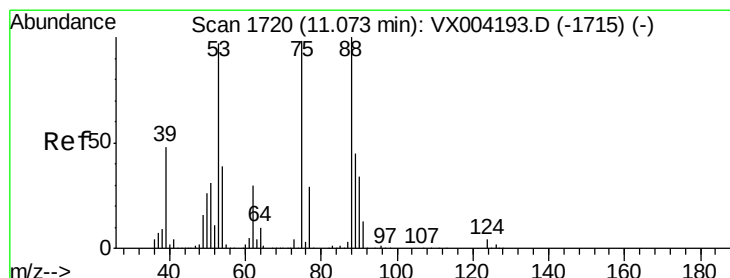
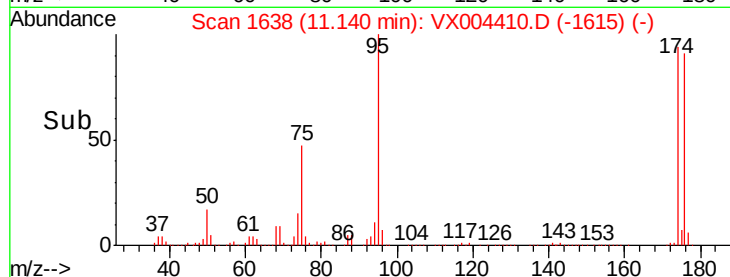
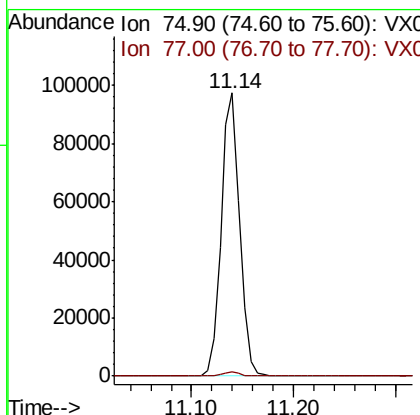
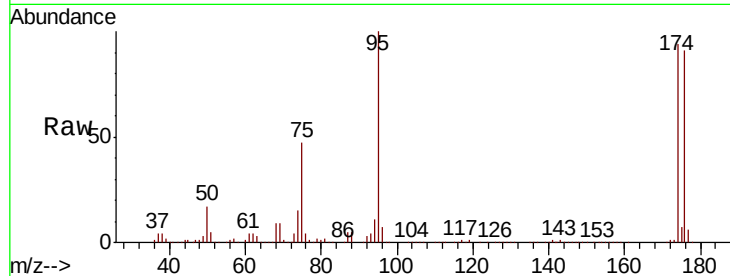




#76
 1,2,3-Trichloropropane
 Concen: 21.83 ug/l
 RT: 11.14 min Scan# 1638
 Delta R.T. -0.16 min
 Lab File: VX004410.D
 Acq: 07 Sep 2018 16:31

Instrument :
 MSVOA_X
 ClientSampled :
 MW-12

Tot Ion: 75 Resp: 122808
 Ion Ratio Lower Upper
 75 100
 77 1.3 20.2 60.6#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 70.81 ug/l
 RT: 11.14 min Scan# 1638
 Delta R.T. 0.07 min
 Lab File: VX004410.D
 Acq: 07 Sep 2018 16:31

Tgt Ion: 75 Resp: 122808
 Ion Ratio Lower Upper
 75 100
 53 0.2 80.1 120.1#
 89 0.0 37.2 55.8#

