

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX091919\
 Data File : VX012532.D
 Acq On : 19 Sep 2019 16:44
 Operator : JC/SP
 Sample : K4883-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW6-R2-1

Quant Time: Sep 26 08:58:39 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X091719W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 17 15:27:10 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	181386	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	289038	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	245156	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	101340	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	118498	45.58	ug/l	0.00
Spiked Amount			Recovery	=	91.16%	
35) Dibromofluoromethane	5.49	113	84198	48.13	ug/l	0.00
Spiked Amount			Recovery	=	96.26%	
50) Toluene-d8	8.72	98	334573	51.67	ug/l	0.00
Spiked Amount			Recovery	=	103.34%	
62) 4-Bromofluorobenzene	11.14	95	123192	45.82	ug/l	0.00
Spiked Amount			Recovery	=	91.64%	

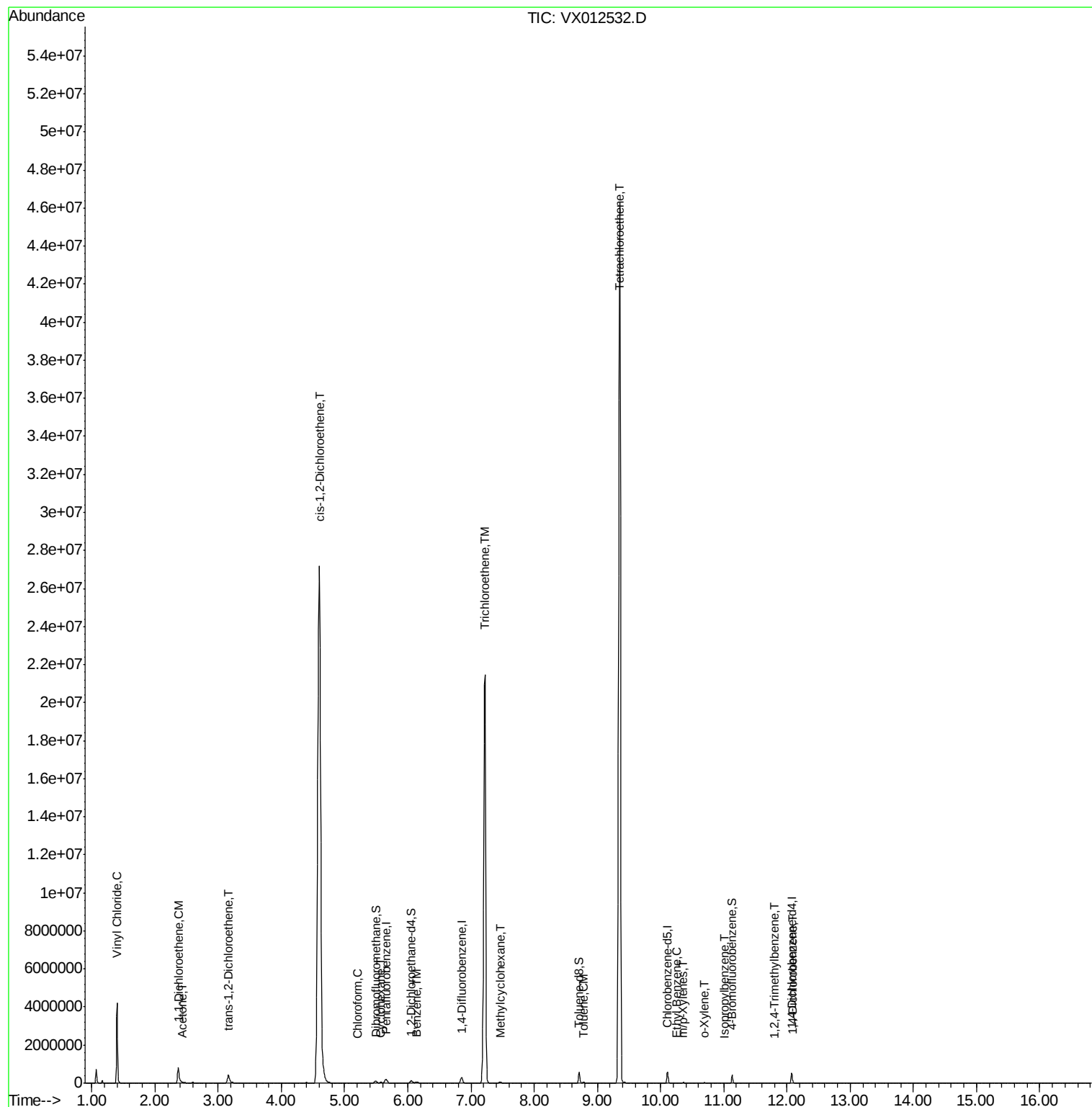
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	1.40	62	2699599	2504.720	ug/l	95
12) 1,1-Dichloroethene	2.37	96	335640	294.322	ug/l	98
16) Acetone	2.44	43	13547	3.558	ug/l	97
21) trans-1,2-Dichloroethene	3.16	96	227929	192.474	ug/l	96
27) cis-1,2-Dichloroethene	4.60	96	20001403	11306.481	ug/l	83
30) Chloroform	5.21	83	3343	0.979	ug/l	97
31) Cyclohexane	5.57	56	24978	13.912	ug/l	99
39) Methylcyclohexane	7.46	83	24387	14.281	ug/l	94
40) Benzene	6.14	78	74130	13.271	ug/l	96
44) Trichloroethene	7.22	130	8576545	5836.687	ug/l	94
52) Toluene	8.78	92	16256	4.516	ug/l	94
64) Tetrachloroethene	9.36	164	12256452	10910.161	ug/l	94
67) Ethyl Benzene	10.25	91	9152	1.316	ug/l	95
68) m/p-Xylenes	10.36	106	8253	3.263	ug/l	91
69) o-Xylene	10.70	106	5126	1.971	ug/l	97
73) Isopropylbenzene	11.02	105	3028	0.476	ug/l	96
84) 1,2,4-Trimethylbenzene	11.81	105	3144	0.565	ug/l	100
88) 1,4-Dichlorobenzene	12.09	146	20178	6.734	ug/l	97

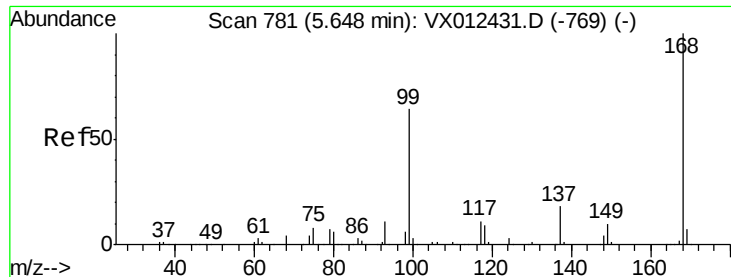
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.01 min

Lab File: VX012532.D

Acq: 19 Sep 2019 16:44

Instrument :

MSVOA_X

ClientSampleId :

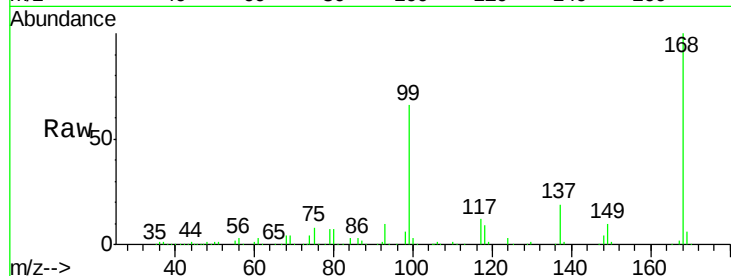
MW6-R2-1

Tot Ion:168 Resp: 181386

Ion Ratio Lower Upper

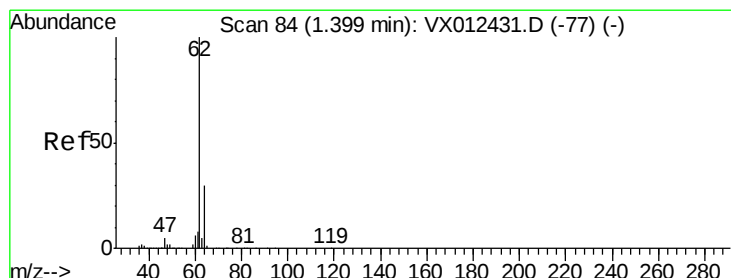
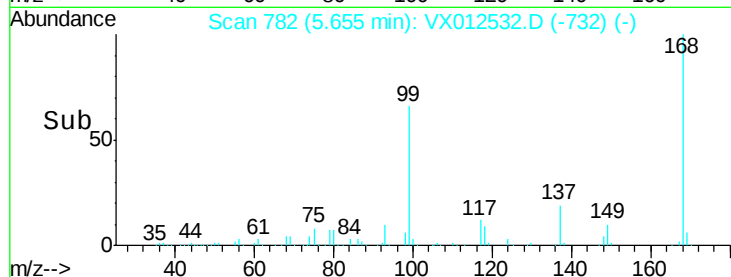
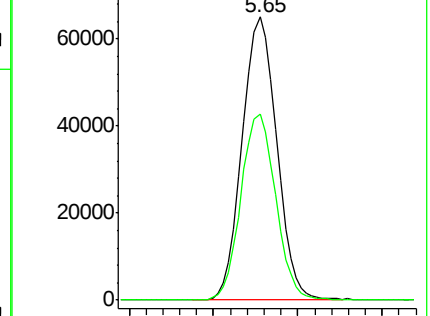
168 100

99 65.8 51.4 77.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#4

Vinyl Chloride

Concen: 2504.720 ug/l

RT: 1.40 min Scan# 84

Delta R.T. 0.00 min

Lab File: VX012532.D

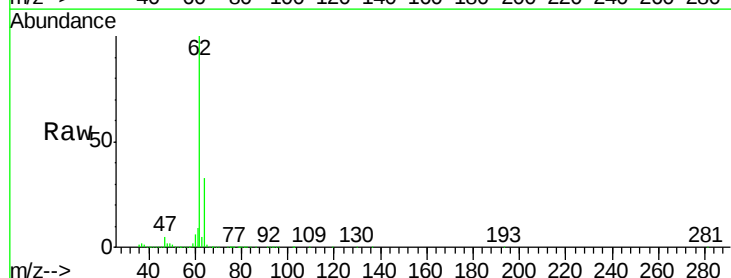
Acq: 19 Sep 2019 16:44

Tgt Ion: 62 Resp: 2699599

Ion Ratio Lower Upper

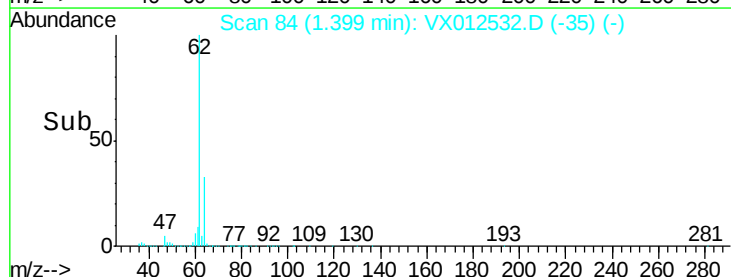
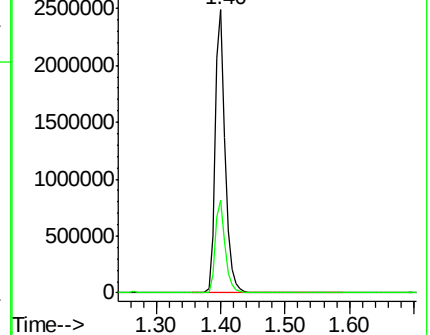
62 100

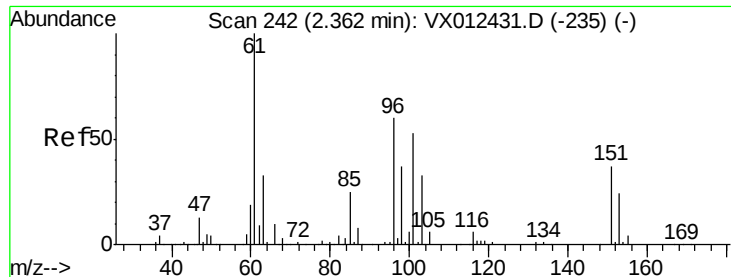
64 32.9 24.2 36.2



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#12

1,1-Dichloroethene

Concen: 294.322 ug/l

RT: 2.37 min Scan# 243

Delta R.T. 0.01 min

Lab File: VX012532.D

Acq: 19 Sep 2019 16:44

Instrument :

MSVOA_X

ClientSampleId :

MW6-R2-1

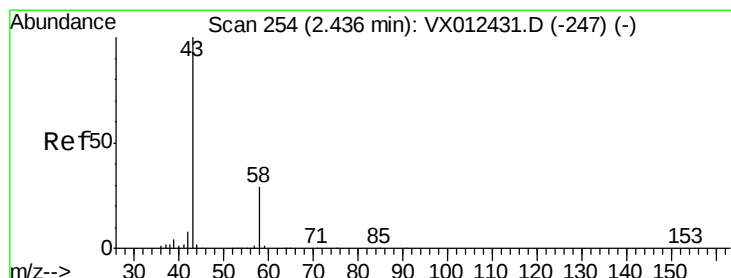
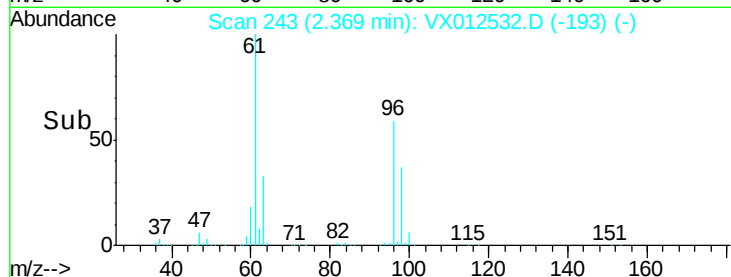
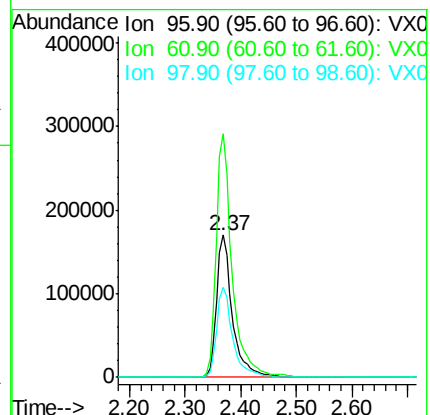
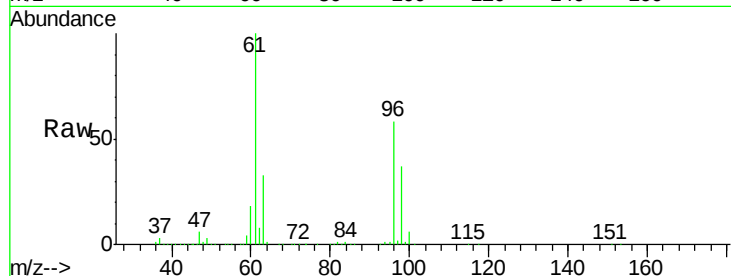
Tot Ion: 96 Resp: 335640

Ion Ratio Lower Upper

96 100

61 171.0 133.8 200.6

98 63.3 49.9 74.9



#16

Acetone

Concen: 3.558 ug/l

RT: 2.44 min Scan# 254

Delta R.T. 0.00 min

Lab File: VX012532.D

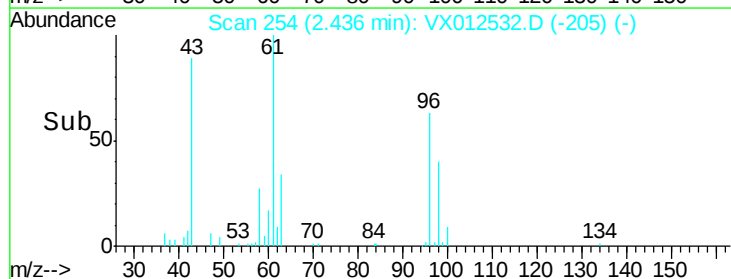
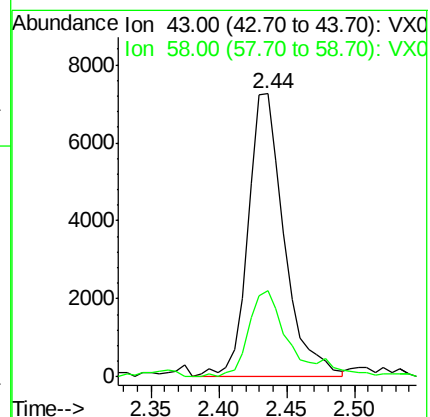
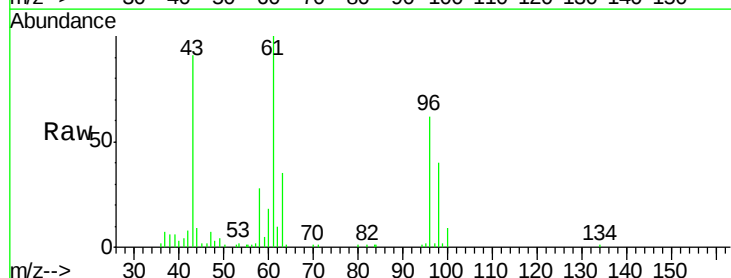
Acq: 19 Sep 2019 16:44

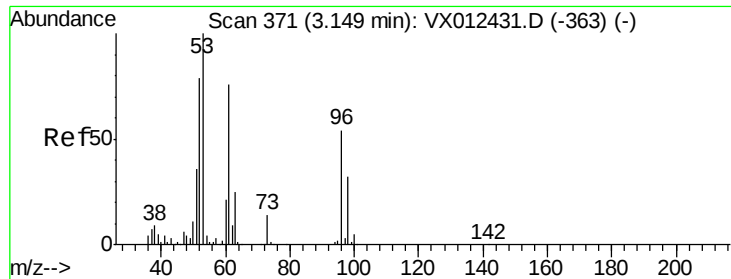
Tgt Ion: 43 Resp: 13547

Ion Ratio Lower Upper

43 100

58 30.5 23.3 34.9





#21

trans-1,2-Dichloroethene

Concen: 192.474 ug/l

RT: 3.16 min Scan# 373

Delta R.T. 0.01 min

Lab File: VX012532.D

Acq: 19 Sep 2019 16:44

Instrument :

MSVOA_X

ClientSampleId :

MW6-R2-1

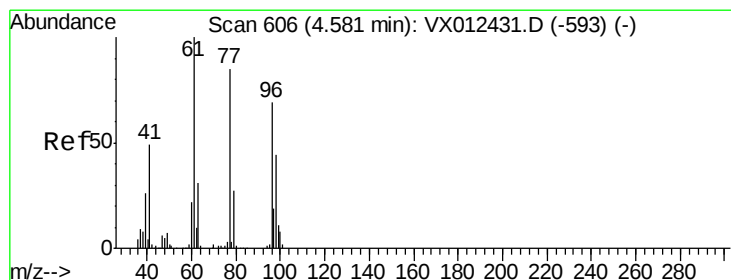
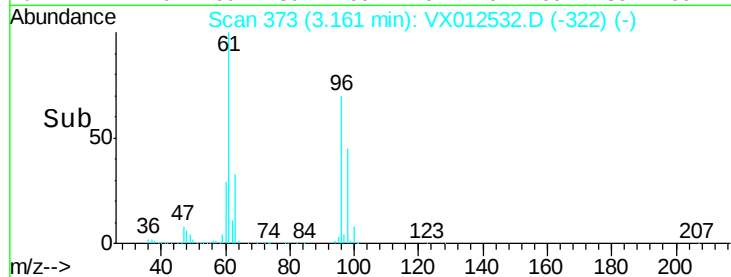
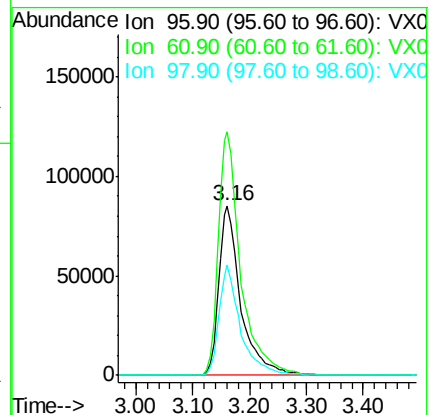
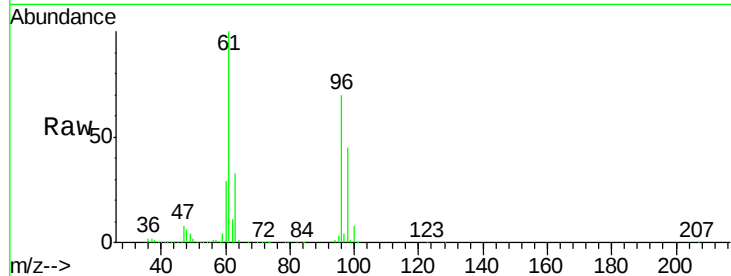
Tot Ion: 96 Resp: 227929

Ion Ratio Lower Upper

96 100

61 143.5 112.0 168.0

98 64.9 47.8 71.8



#27

cis-1,2-Dichloroethene

Concen: 11306.481 ug/l

RT: 4.60 min Scan# 609

Delta R.T. 0.02 min

Lab File: VX012532.D

Acq: 19 Sep 2019 16:44

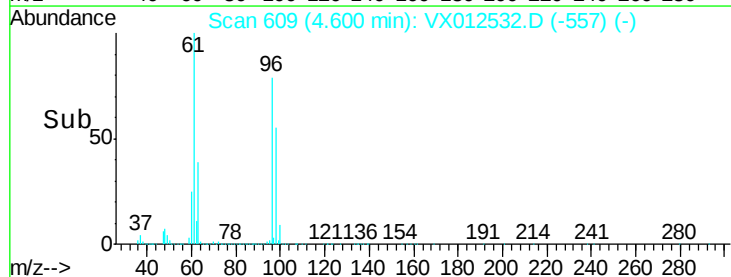
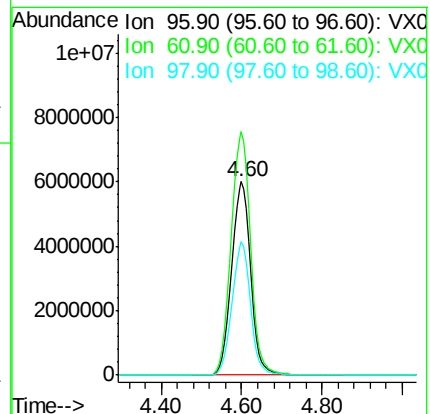
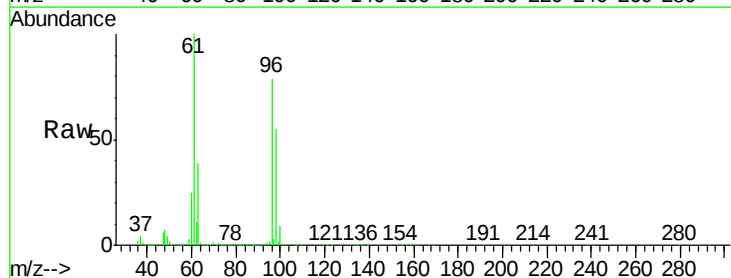
Tgt Ion: 96 Resp: 20001403

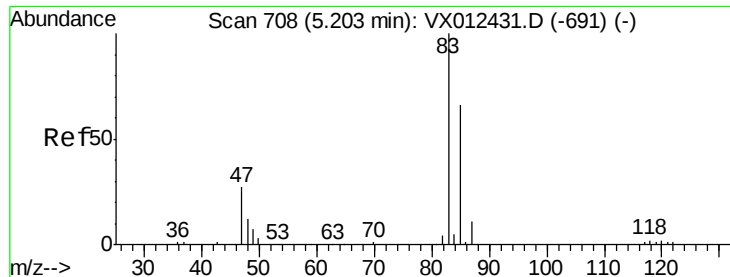
Ion Ratio Lower Upper

96 100

61 129.0 0.0 319.4

98 67.0 0.0 130.6

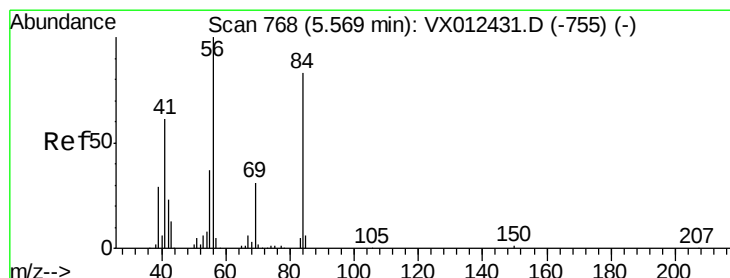
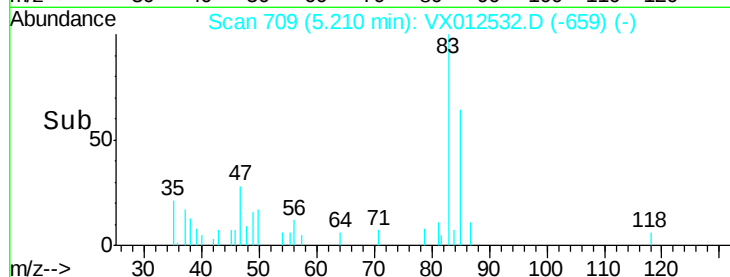
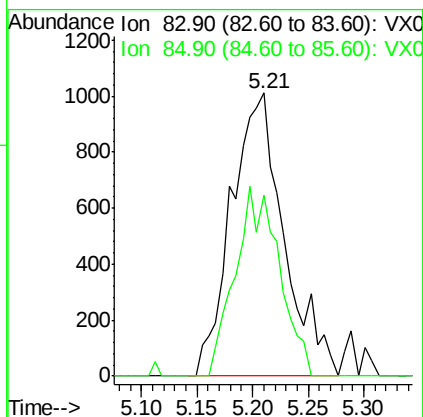
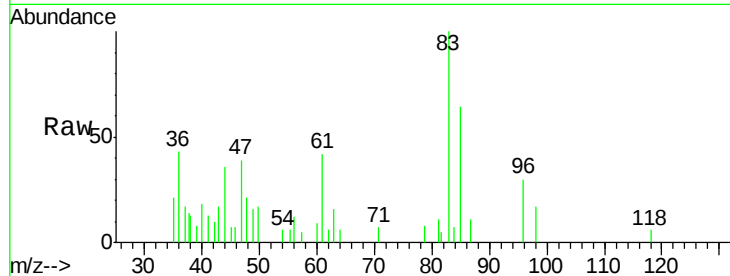




#30
Chloroform
Concen: 0.979 ug/l
RT: 5.21 min Scan# 709
Delta R.T. 0.01 min
Lab File: VX012532.D
Acq: 19 Sep 2019 16:44

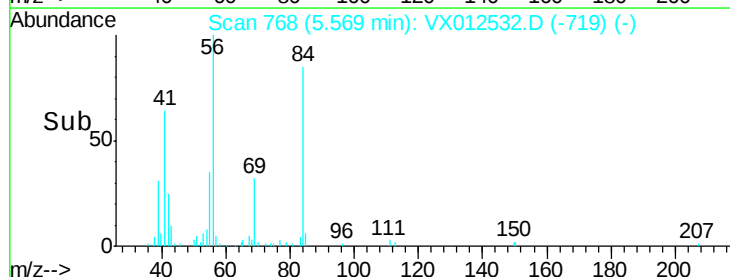
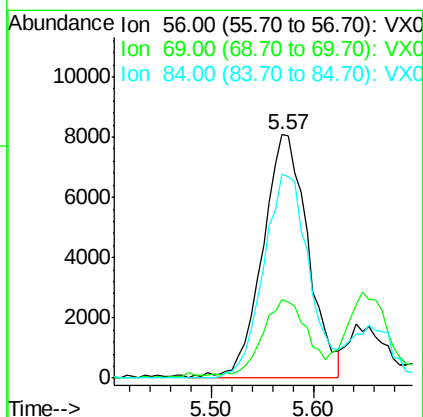
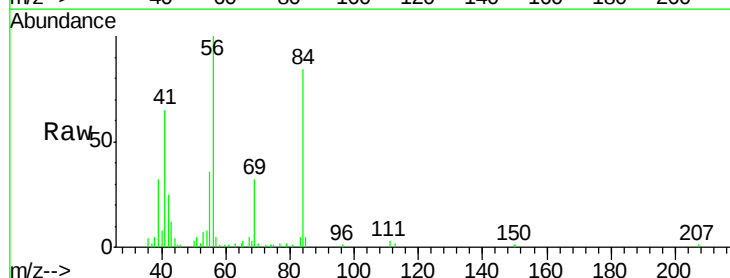
Instrument :
MSVOA_X
ClientSampleId :
MW6-R2-1

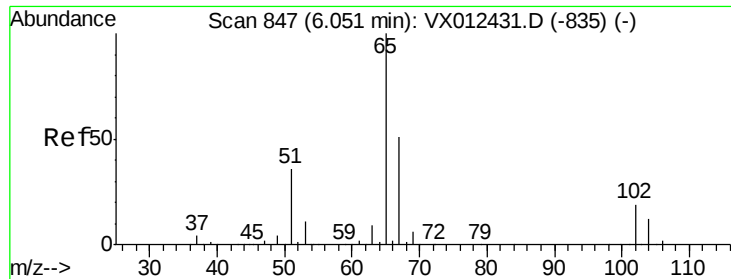
Tot Ion: 83 Resp: 3343
Ion Ratio Lower Upper
83 100
85 64.0 53.0 79.4



#31
Cyclohexane
Concen: 13.912 ug/l
RT: 5.57 min Scan# 768
Delta R.T. 0.00 min
Lab File: VX012532.D
Acq: 19 Sep 2019 16:44

Tgt Ion: 56 Resp: 24978
Ion Ratio Lower Upper
56 100
69 30.3 25.0 37.6
84 84.0 66.4 99.6





#33

1,2-Dichloroethane-d4

Concen: 45.583 ug/l

RT: 6.06 min Scan# 848

Delta R.T. 0.01 min

Lab File: VX012532.D

Acq: 19 Sep 2019 16:44

Instrument :

MSVOA_X

ClientSampleId :

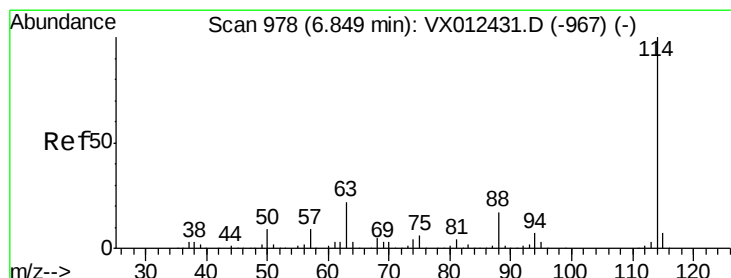
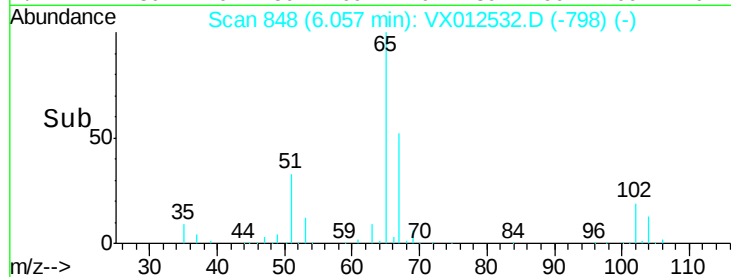
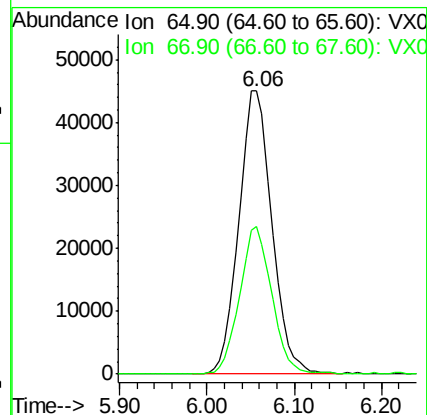
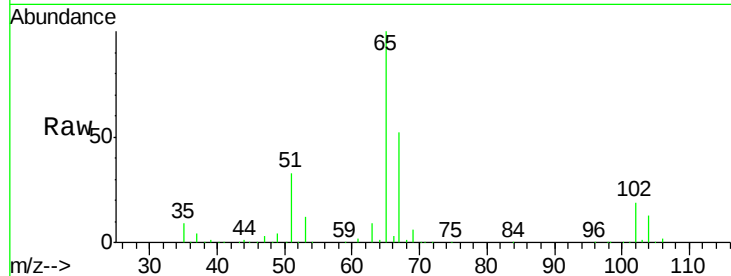
MW6-R2-1

Tot Ion: 65 Resp: 118498

Ion Ratio Lower Upper

65 100

67 50.7 0.0 101.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. 0.00 min

Lab File: VX012532.D

Acq: 19 Sep 2019 16:44

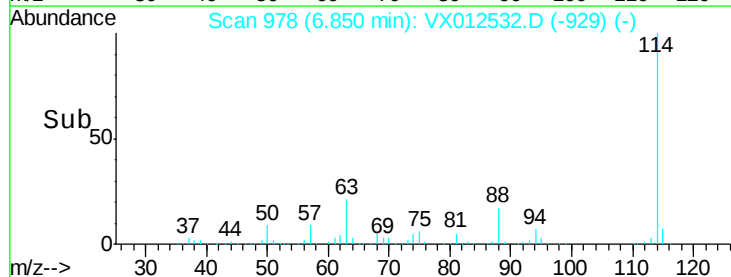
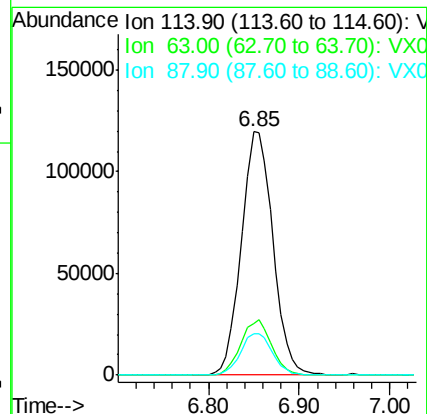
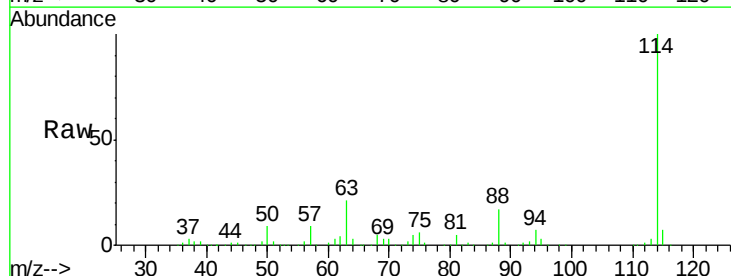
Tgt Ion: 114 Resp: 289038

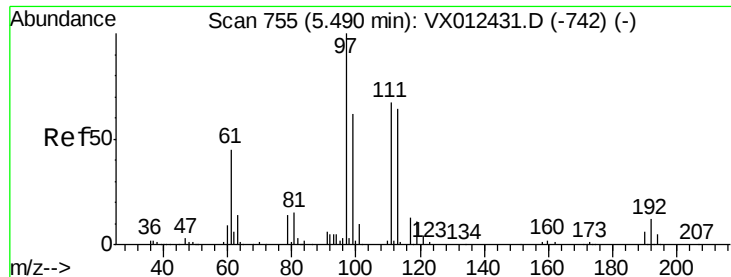
Ion Ratio Lower Upper

114 100

63 21.1 0.0 43.2

88 17.2 0.0 33.2





#35

Dibromofluoromethane

Concen: 48.129 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.00 min

Lab File: VX012532.D

Acq: 19 Sep 2019 16:44

Instrument :

MSVOA_X

ClientSampleId :

MW6-R2-1

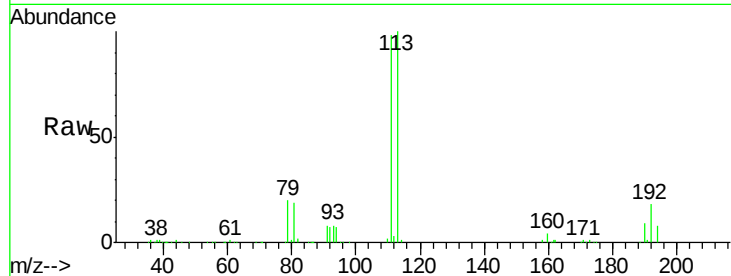
Tot Ion:113 Resp: 84198

Ion Ratio Lower Upper

113 100

111 102.5 83.4 125.2

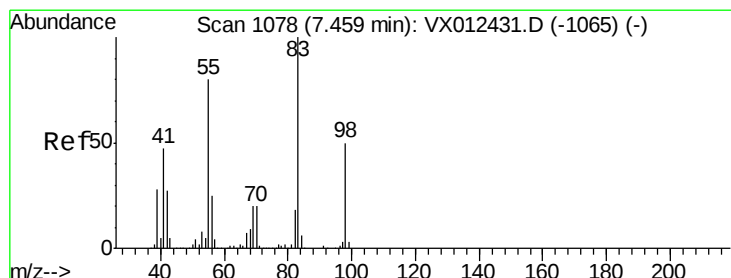
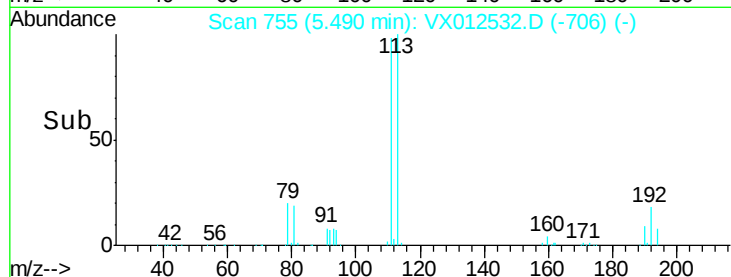
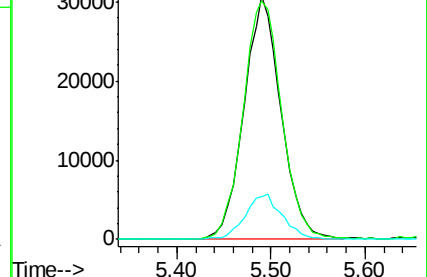
192 18.6 14.4 21.6



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



#39

Methylcyclohexane

Concen: 14.281 ug/l

RT: 7.46 min Scan# 1078

Delta R.T. 0.00 min

Lab File: VX012532.D

Acq: 19 Sep 2019 16:44

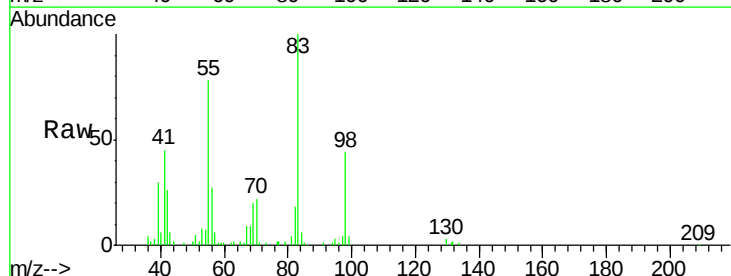
Tgt Ion: 83 Resp: 24387

Ion Ratio Lower Upper

83 100

55 77.4 64.4 96.6

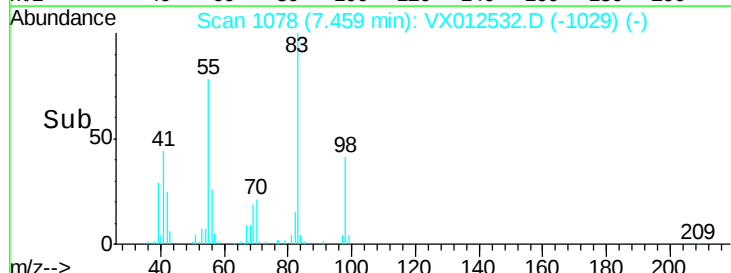
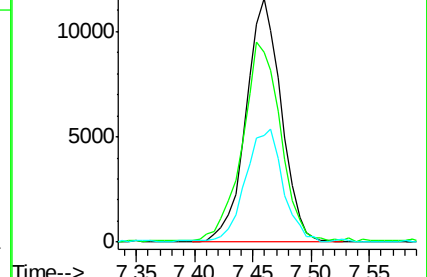
98 42.6 40.1 60.1

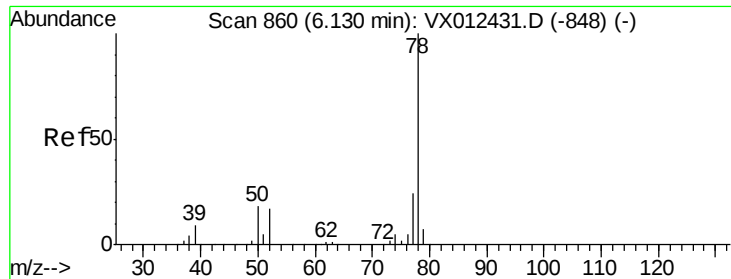


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0

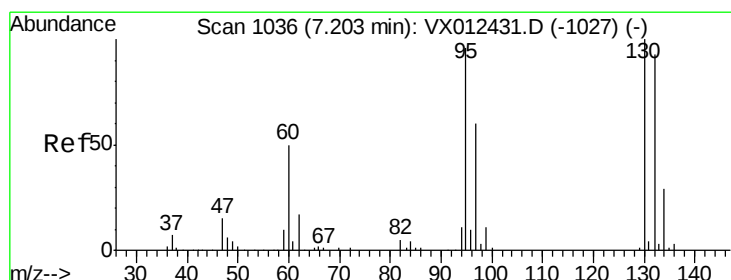
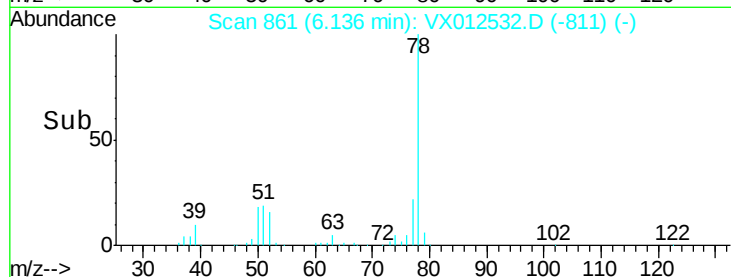
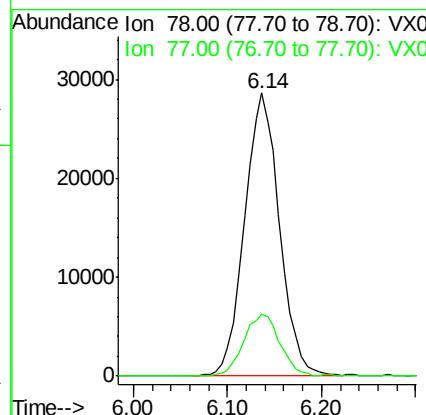
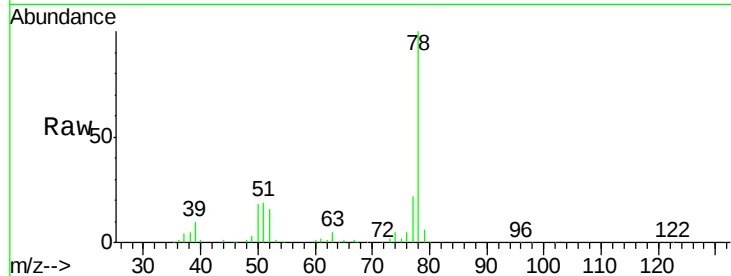




#40
Benzene
Concen: 13.271 ug/l
RT: 6.14 min Scan# 861
Delta R.T. 0.01 min
Lab File: VX012532.D
Acq: 19 Sep 2019 16:44

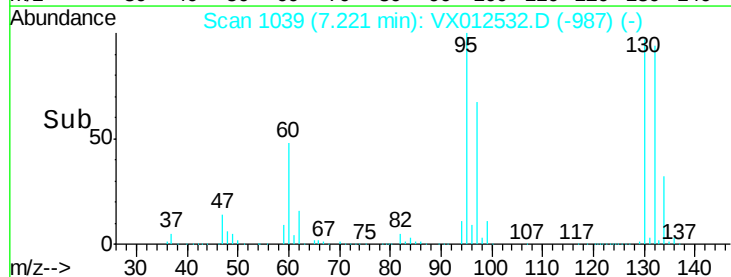
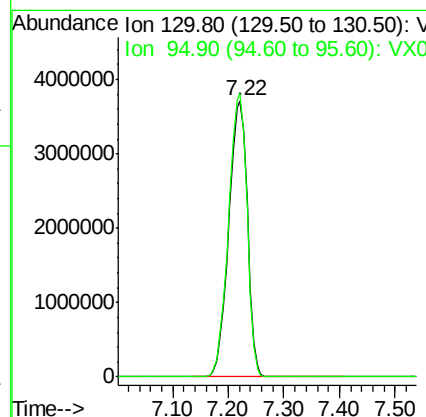
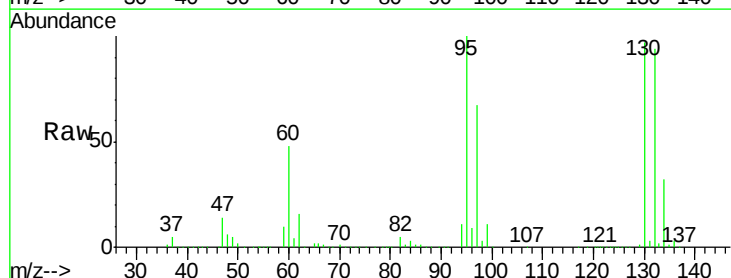
Instrument :
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MW6-R2-1

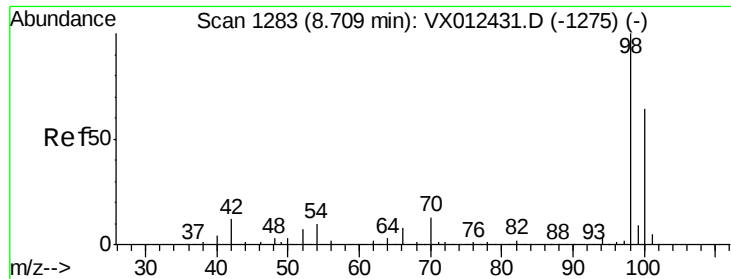
Tot Ion: 78 Resp: 74130
Ion Ratio Lower Upper
78 100
77 21.9 19.2 28.8



#44
Trichloroethene
Concen: 5836.687 ug/l
RT: 7.22 min Scan# 1039
Delta R.T. 0.02 min
Lab File: VX012532.D
Acq: 19 Sep 2019 16:44

Tgt Ion:130 Resp: 8576545
Ion Ratio Lower Upper
130 100
95 102.7 0.0 193.0

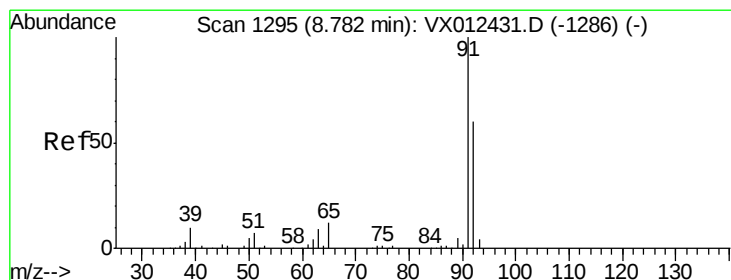
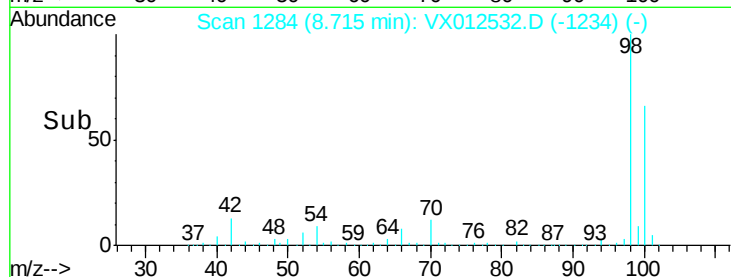
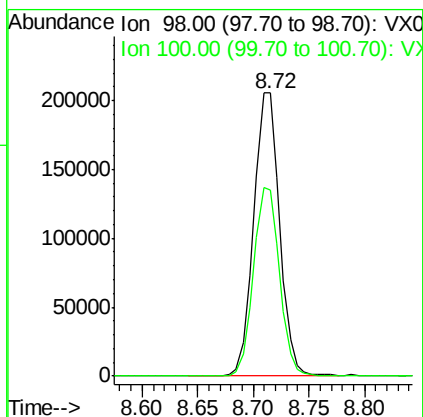
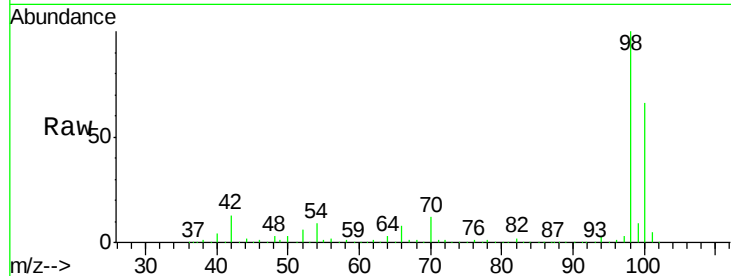




#50
Toluene-d8
Concen: 51.668 ug/l
RT: 8.72 min Scan# 1284
Delta R.T. 0.01 min
Lab File: VX012532.D
Acq: 19 Sep 2019 16:44

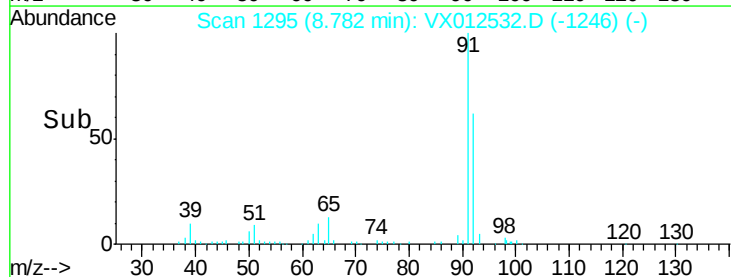
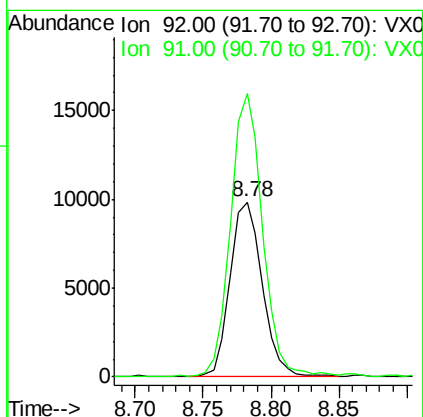
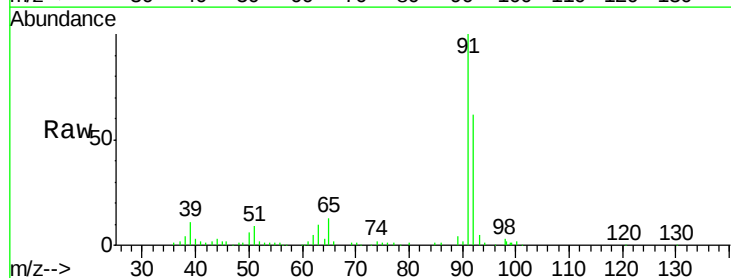
Instrument :
MSVOA_X
ClientSampleId :
MW6-R2-1

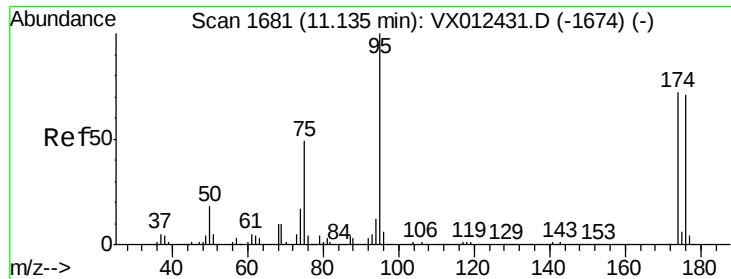
Tot Ion: 98 Resp: 334573
Ion Ratio Lower Upper
98 100
100 66.9 53.4 80.2



#52
Toluene
Concen: 4.516 ug/l
RT: 8.78 min Scan# 1295
Delta R.T. 0.00 min
Lab File: VX012532.D
Acq: 19 Sep 2019 16:44

Tgt Ion: 92 Resp: 16256
Ion Ratio Lower Upper
92 100
91 161.3 135.4 203.0

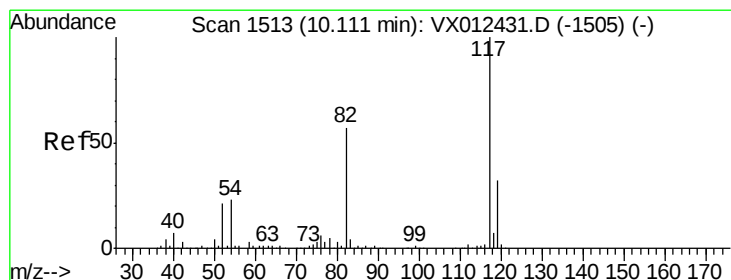
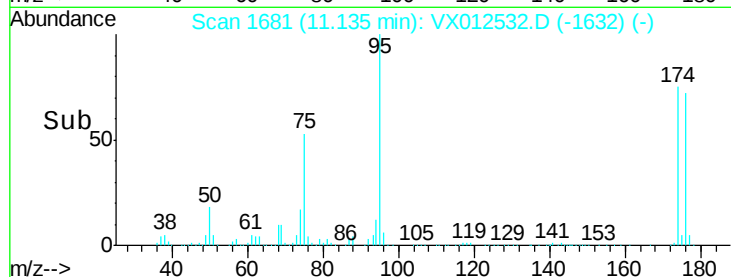
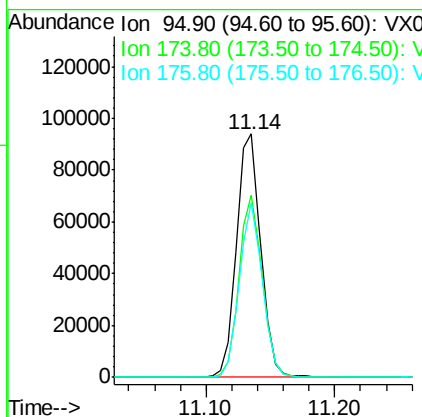
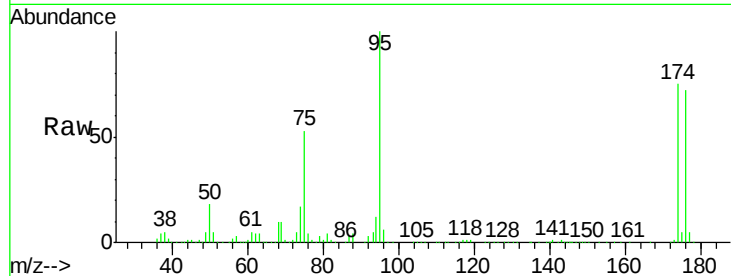




#62
4-Bromofluorobenzene
Concen: 45.819 ug/l
RT: 11.14 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VX012532.D
Acq: 19 Sep 2019 16:44

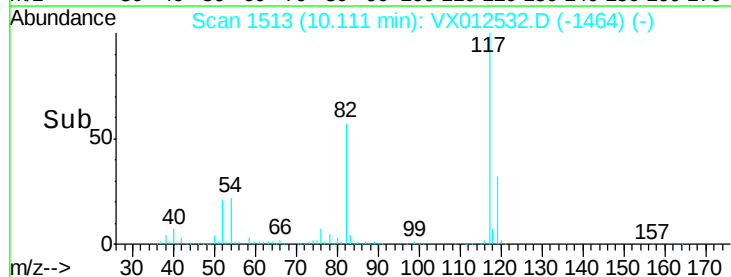
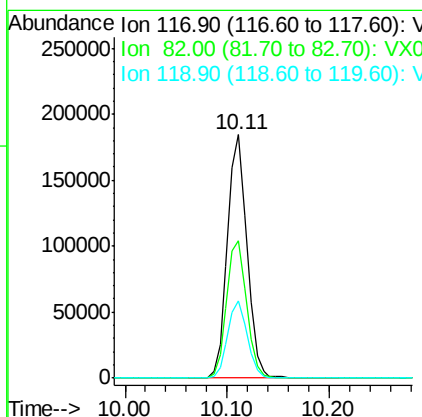
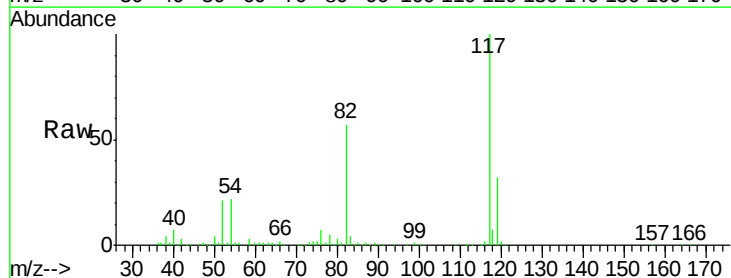
Instrument :
MSVOA_X
ClientSampleId :
MW6-R2-1

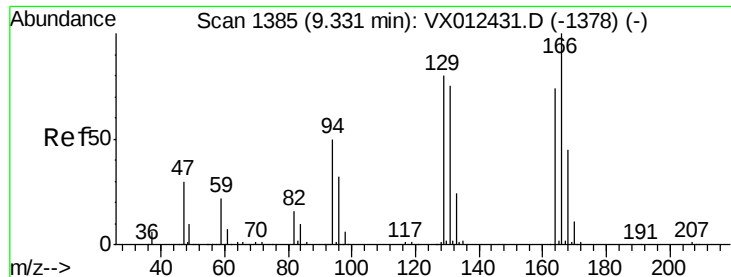
Tot Ion: 95 Resp: 123192
Ion Ratio Lower Upper
95 100
174 71.6 0.0 140.0
176 68.1 0.0 135.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX012532.D
Acq: 19 Sep 2019 16:44

Tgt Ion: 117 Resp: 245156
Ion Ratio Lower Upper
117 100
82 56.6 45.9 68.9
119 31.7 25.3 37.9





#64

Tetrachloroethene

Concen: 10910.161 ug/l

RT: 9.36 min Scan# 1389

Delta R.T. 0.02 min

Lab File: VX012532.D

Acq: 19 Sep 2019 16:44

Instrument :

MSVOA_X

ClientSampled :

MW6-R2-1

Tot Ion:164 Resp:12256452

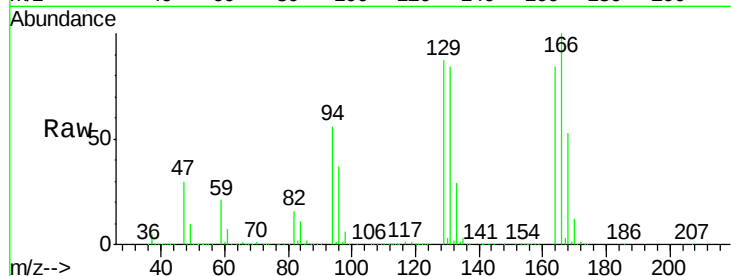
Ion Ratio Lower Upper

164 100

166 119.1 107.8 161.6

129 103.5 86.2 129.2

131 100.3 80.4 120.6

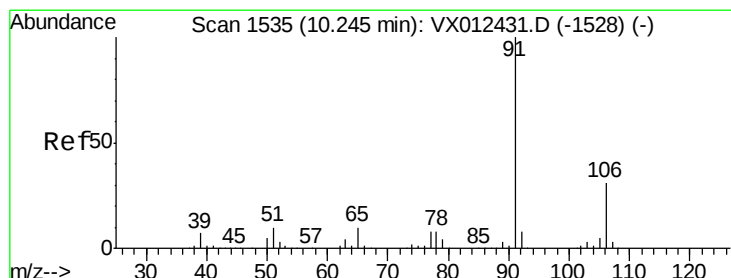
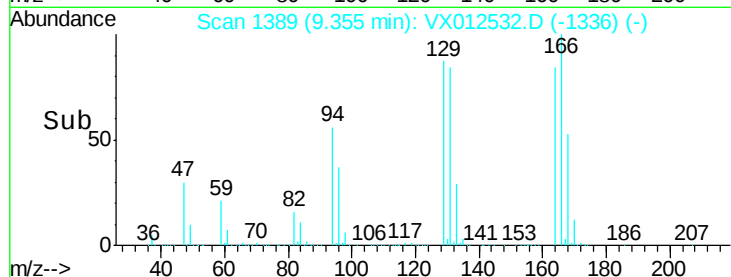
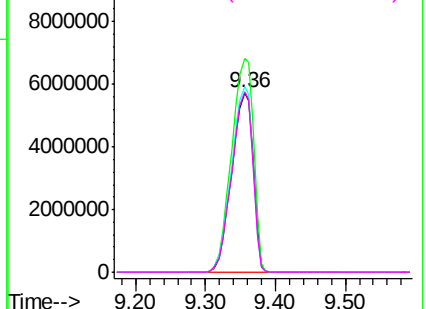


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#67

Ethyl Benzene

Concen: 1.316 ug/l

RT: 10.25 min Scan# 1536

Delta R.T. 0.01 min

Lab File: VX012532.D

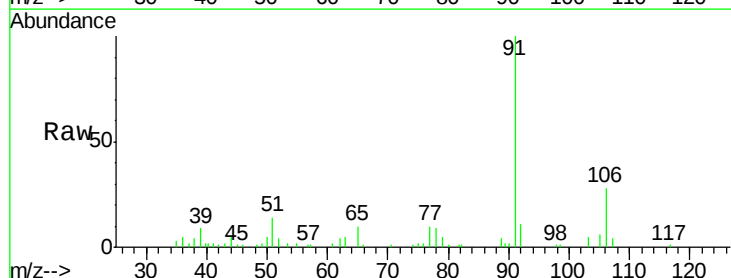
Acq: 19 Sep 2019 16:44

Tgt Ion: 91 Resp: 9152

Ion Ratio Lower Upper

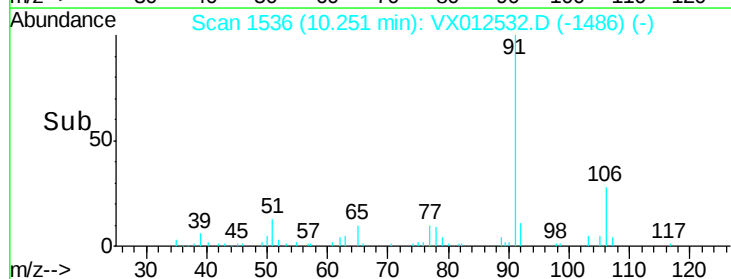
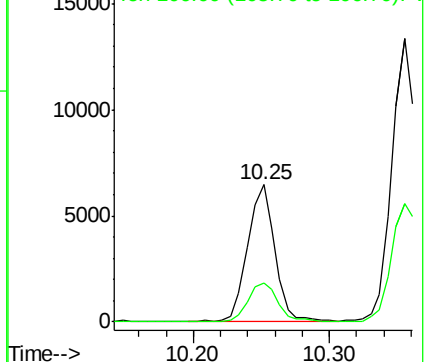
91 100

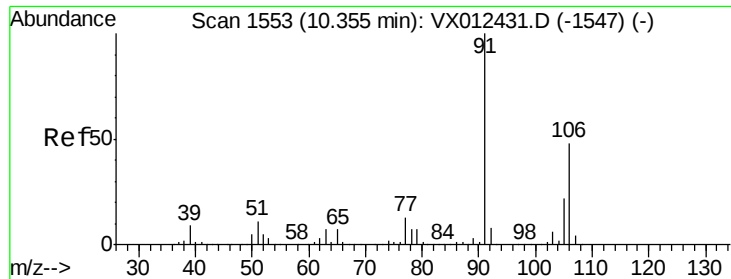
106 28.0 24.6 37.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V

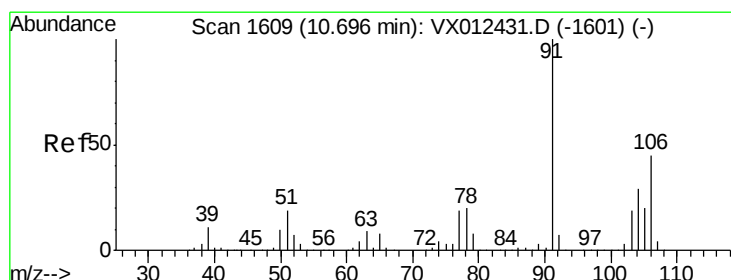
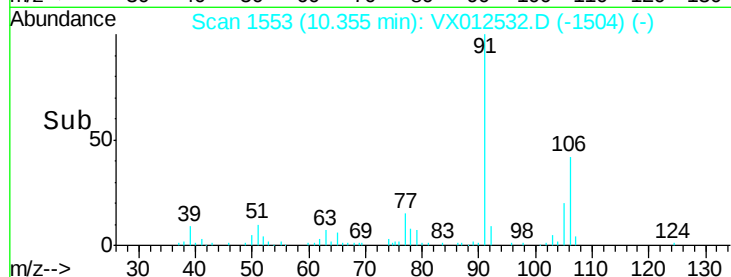
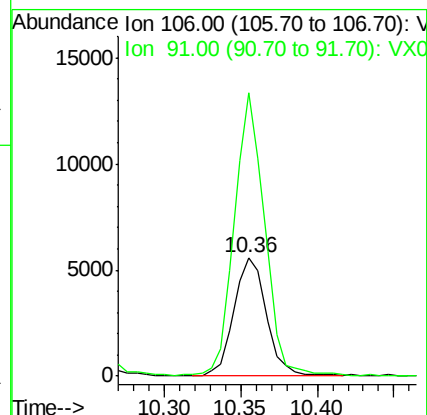
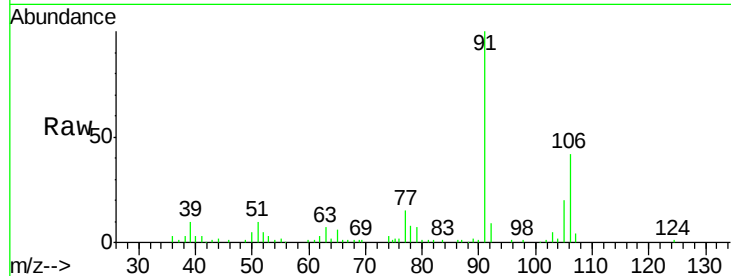




#68
m/p-Xylenes
Concen: 3.263 ug/l
RT: 10.36 min Scan# 1553
Delta R.T. 0.00 min
Lab File: VX012532.D
Acq: 19 Sep 2019 16:44

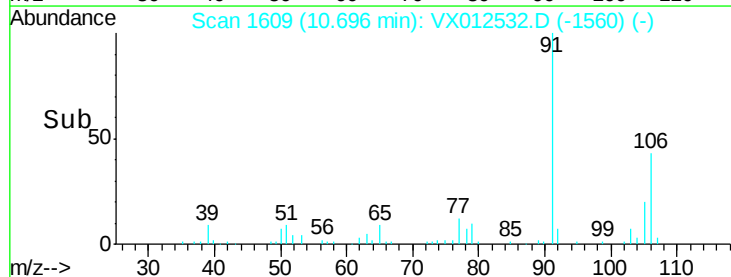
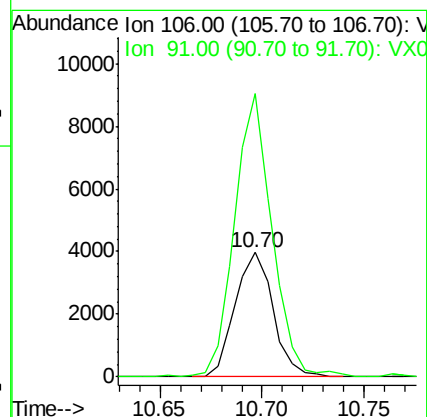
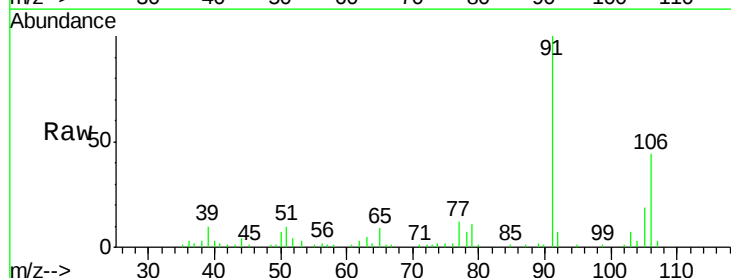
Instrument :
MSVOA_X
ClientSampleId :
MW6-R2-1

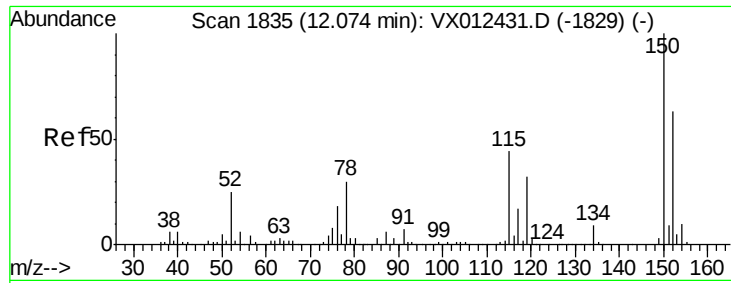
Tot Ion:106 Resp: 8253
Ion Ratio Lower Upper
106 100
91 222.3 166.6 250.0



#69
o-Xylene
Concen: 1.971 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. 0.00 min
Lab File: VX012532.D
Acq: 19 Sep 2019 16:44

Tgt Ion:106 Resp: 5126
Ion Ratio Lower Upper
106 100
91 224.0 109.4 328.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX012532.D

Acq: 19 Sep 2019 16:44

Instrument :

MSVOA_X

ClientSampleId :

MW6-R2-1

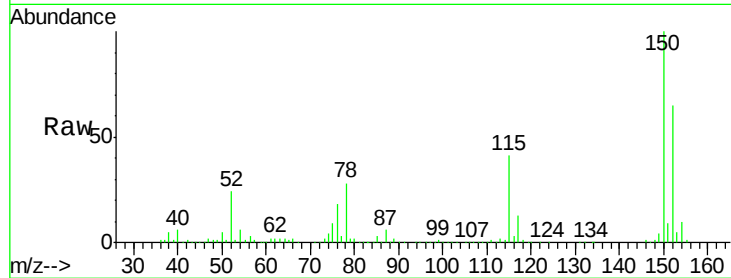
Tot Ion:152 Resp: 101340

Ion Ratio Lower Upper

152 100

115 64.1 44.1 132.3

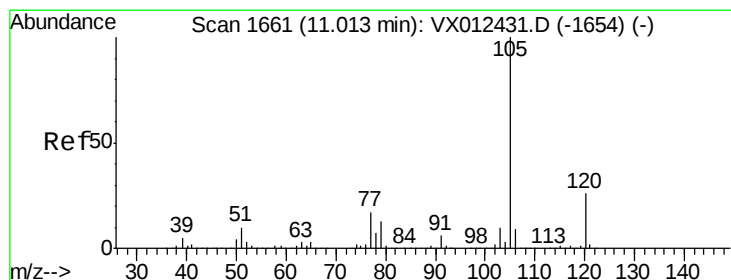
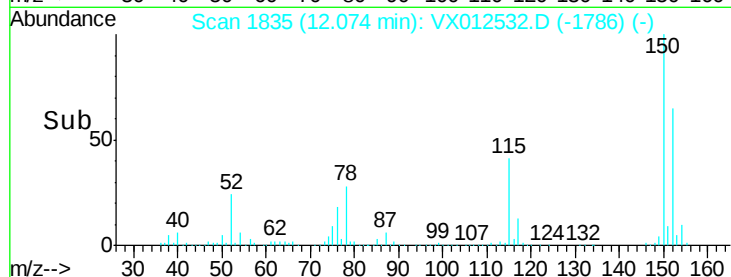
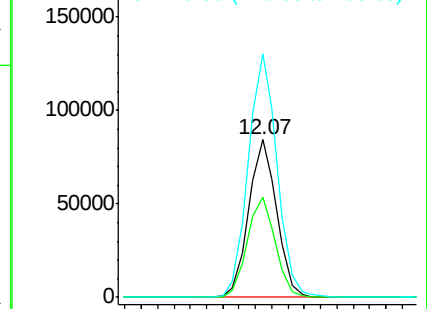
150 158.4 0.0 343.8



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



#73

Isopropylbenzene

Concen: 0.476 ug/l

RT: 11.02 min Scan# 1662

Delta R.T. 0.01 min

Lab File: VX012532.D

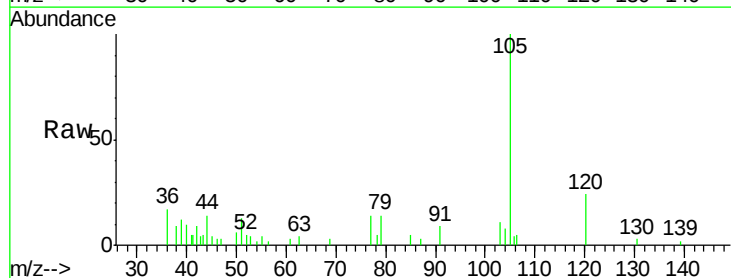
Acq: 19 Sep 2019 16:44

Tgt Ion:105 Resp: 3028

Ion Ratio Lower Upper

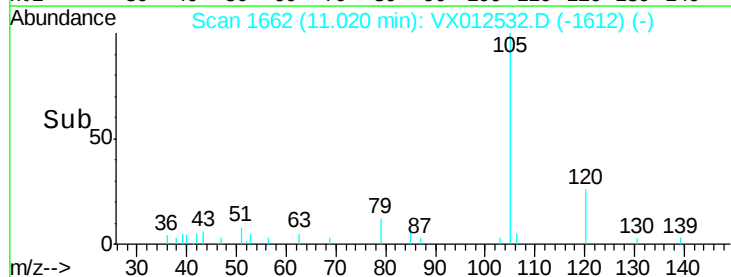
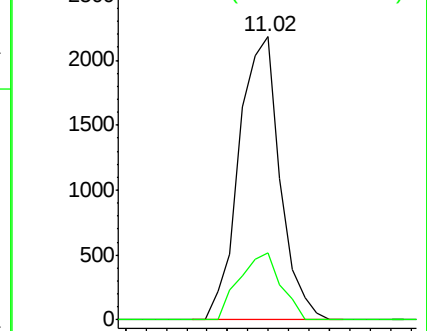
105 100

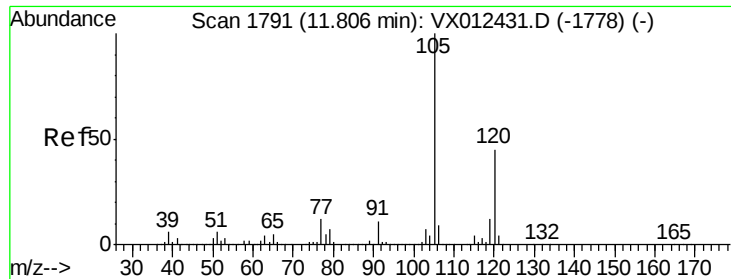
120 23.9 12.9 38.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#84

1,2,4-Trimethylbenzene

Concen: 0.565 ug/l

RT: 11.81 min Scan# 1791

Delta R.T. 0.00 min

Lab File: VX012532.D

Acq: 19 Sep 2019 16:44

Instrument :

MSVOA_X

ClientSampleId :

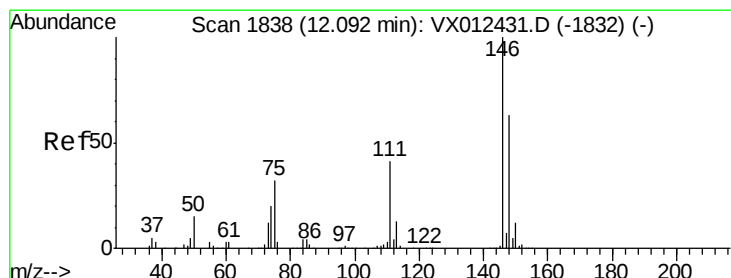
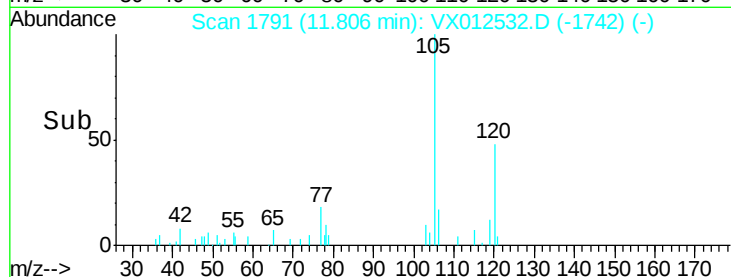
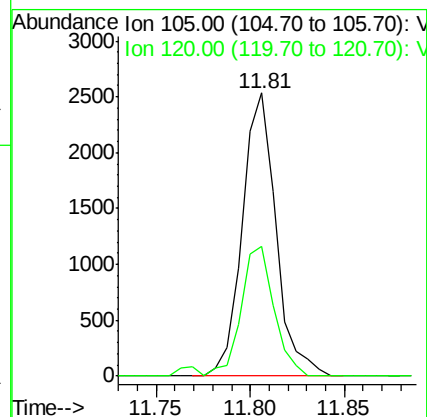
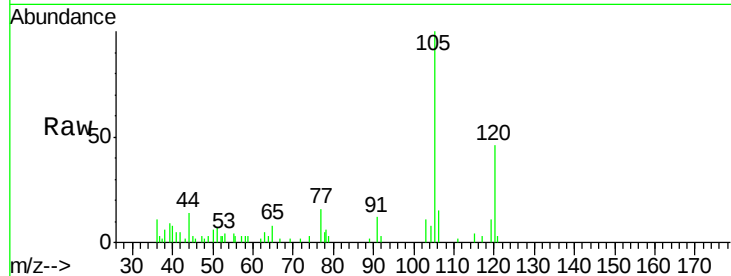
MW6-R2-1

Tot Ion:105 Resp: 3144

Ion Ratio Lower Upper

105 100

120 44.6 22.2 66.6



#88

1,4-Dichlorobenzene

Concen: 6.734 ug/l

RT: 12.09 min Scan# 1838

Delta R.T. 0.00 min

Lab File: VX012532.D

Acq: 19 Sep 2019 16:44

Tgt Ion:146 Resp: 20178

Ion Ratio Lower Upper

146 100

111 46.7 21.1 63.3

148 64.3 32.1 96.5

