

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX121418\
 Data File : VX006556.D
 Acq On : 15 Dec 2018 10:34
 Operator : JC/MD
 Sample : J6398-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 51 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PR-MW-04_121218

Quant Time: Dec 15 22:57:25 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112918W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 30 03:55:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	702012	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	1081530	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	980125	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	471545	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	358517	50.03	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.06%	
35) Dibromofluoromethane	5.51	113	321511	45.91	ug/l	0.00
Spiked Amount 50.000			Recovery	=	91.82%	
50) Toluene-d8	8.71	98	1268927	49.82	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.64%	
62) 4-Bromofluorobenzene	11.13	95	462013	48.14	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.28%	

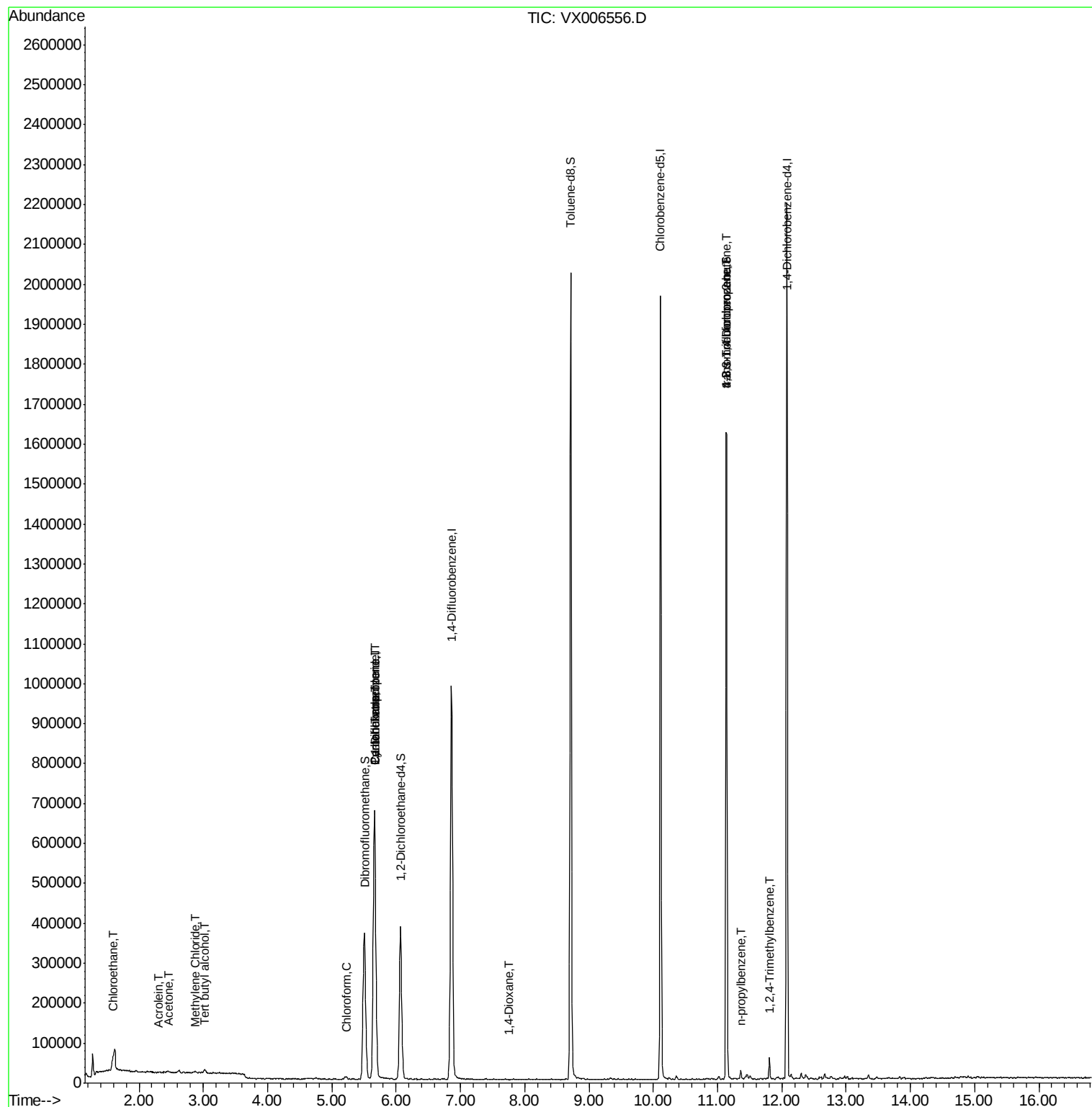
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.59	64	11796	2.531	ug/l #	60
11) Tert butyl alcohol	3.02	59	7243	3.696	ug/l #	82
13) Acrolein	2.29	56	249	0.232	ug/l #	1
16) Acetone	2.45	43	5034	1.497	ug/l #	84
20) Methylene Chloride	2.87	84	2505	0.350	ug/l #	83
30) Chloroform	5.22	83	7739	0.657	ug/l	94
31) Cyclohexane	5.67	56	11233	1.085	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	45291	4.973	ug/l #	48
38) Carbon Tetrachloride	5.67	117	64903	6.058	ug/l #	15
49) 1,4-Dioxane	7.74	88	260	1.275	ug/l #	13
76) 1,2,3-Trichloropropane	11.13	75	211837	23.275	ug/l #	37
78) n-propylbenzene	11.36	91	12206	0.337	ug/l	93
81) trans-1,4-Dichloro-2-buten	11.13	75	211837	54.619	ug/l #	15
84) 1,2,4-Trimethylbenzene	11.80	105	24916	0.891	ug/l	96

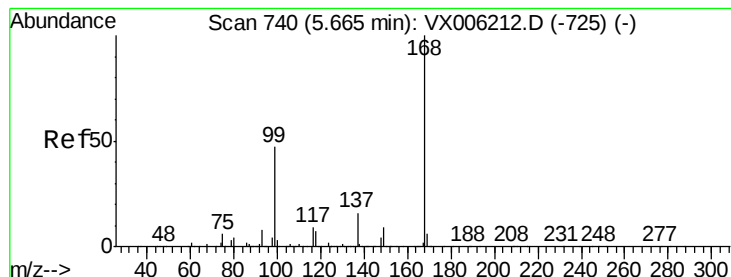
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX121418\
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QLast Update : Fri Nov 30 03:55:33 2018
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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: VX006556.D

Acq: 15 Dec 2018 10:34

Instrument :

MSVOA_X

ClientSampleId :

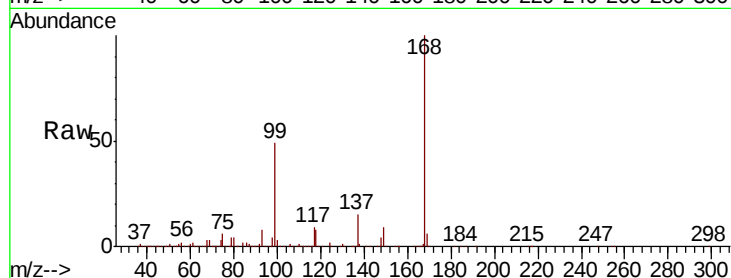
PR-MW-04_121218

Tgt Ion:168 Resp: 702012

Ion Ratio Lower Upper

168 100

99 49.4 37.8 56.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

250000

200000

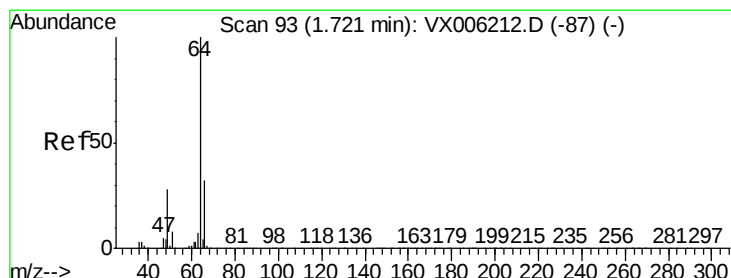
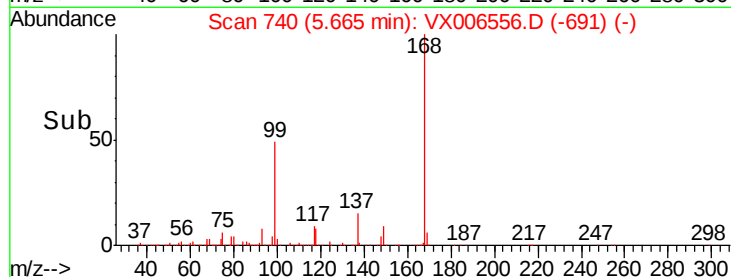
150000

100000

50000

0

Time-->



#6

Chloroethane

Concen: 2.531 ug/l

RT: 1.59 min Scan# 72

Delta R.T. -0.13 min

Lab File: VX006556.D

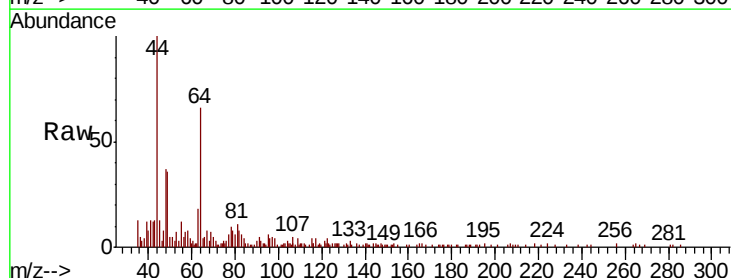
Acq: 15 Dec 2018 10:34

Tgt Ion: 64 Resp: 11796

Ion Ratio Lower Upper

64 100

66 10.1 25.9 38.9#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.59

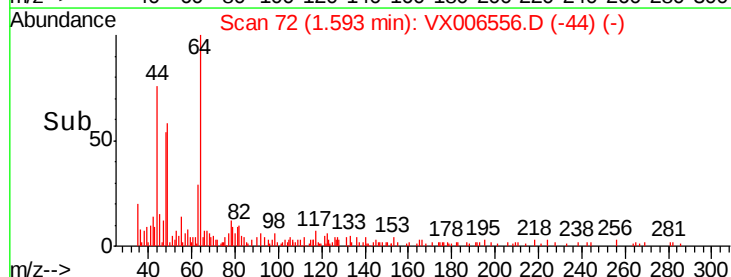
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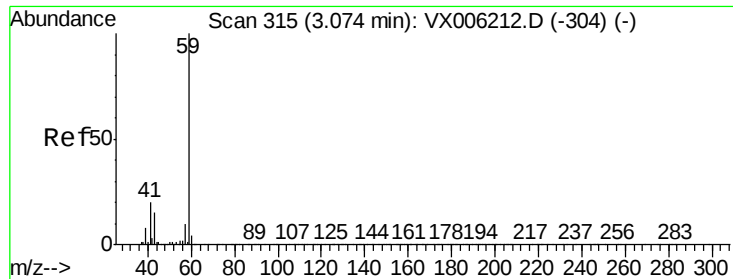
4000

2000

0

Time-->



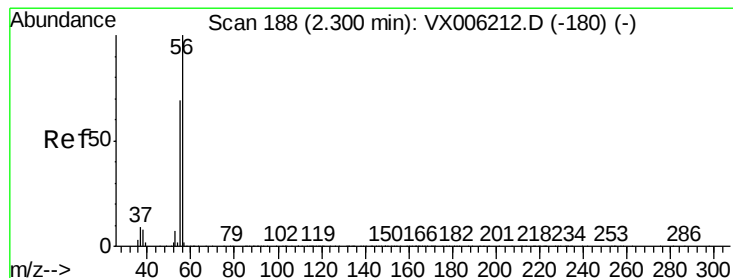
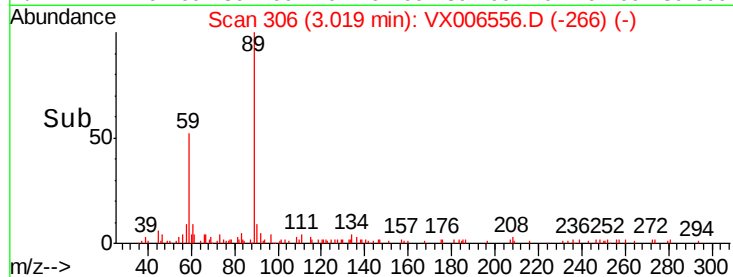
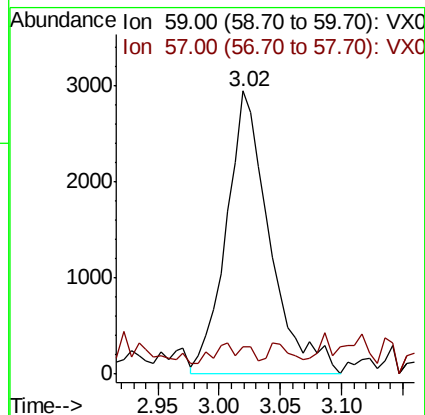
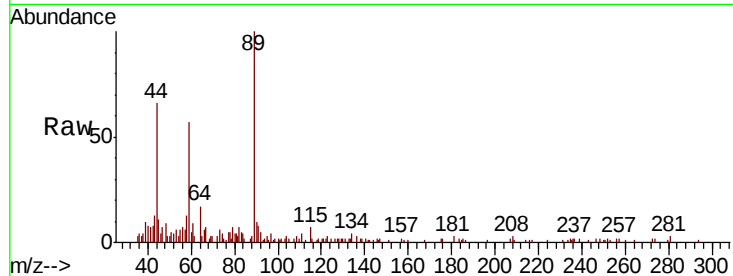


#11

Tert butyl alcohol
Concen: 3.696 ug/l
RT: 3.02 min Scan# 306
Delta R.T. -0.05 min
Lab File: VX006556.D
Acq: 15 Dec 2018 10:34

Instrument :
MSVOA_X
ClientSampleId :
PR-MW-04_121218

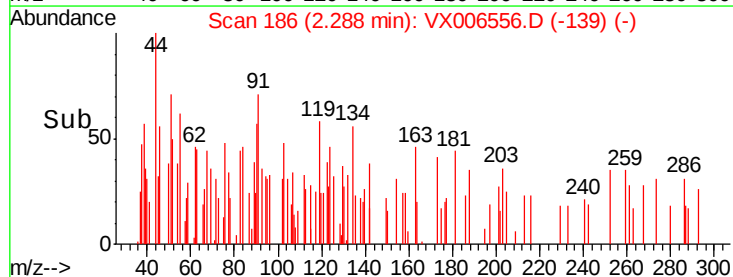
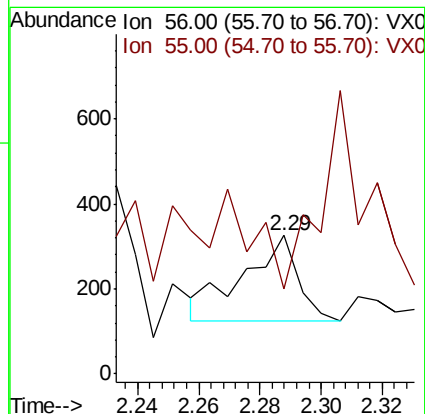
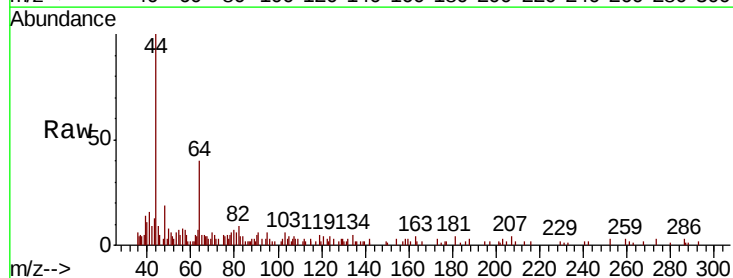
Tgt Ion: 59 Resp: 7243
Ion Ratio Lower Upper
59 100
57 3.4 8.2 12.2#

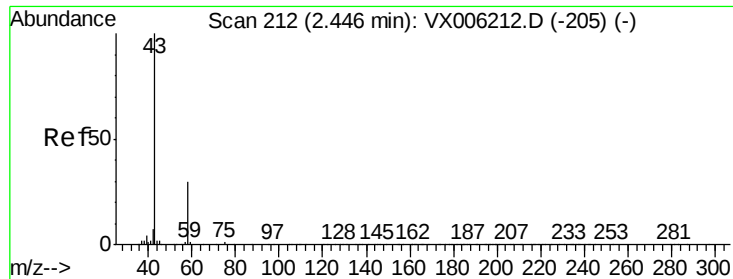


#13

Acrolein
Concen: 0.232 ug/l
RT: 2.29 min Scan# 186
Delta R.T. -0.01 min
Lab File: VX006556.D
Acq: 15 Dec 2018 10:34

Tgt Ion: 56 Resp: 249
Ion Ratio Lower Upper
56 100
55 188.4 57.8 86.6#

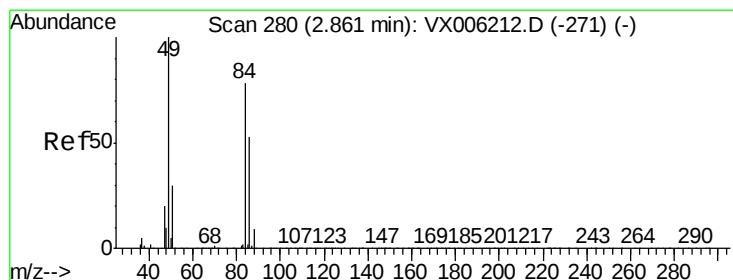
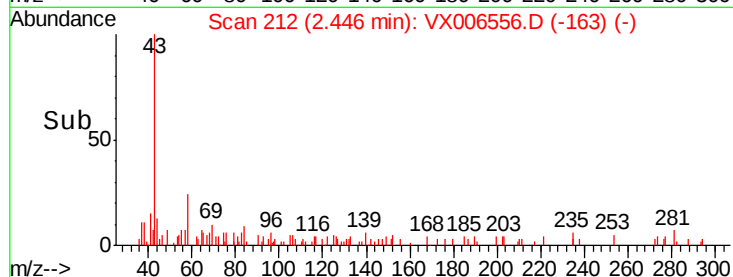
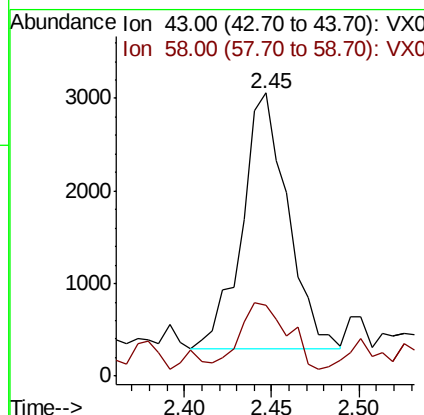
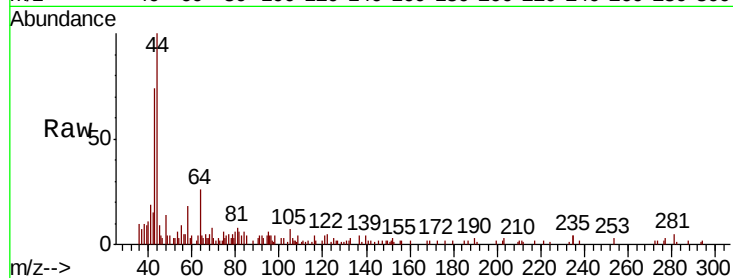




#16
Acetone
Concen: 1.497 ug/l
RT: 2.45 min Scan# 212
Delta R.T. 0.00 min
Lab File: VX006556.D
Acq: 15 Dec 2018 10:34

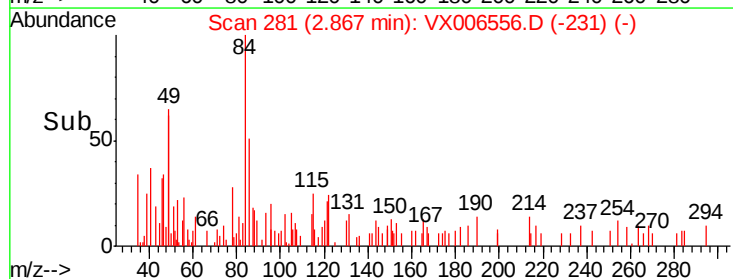
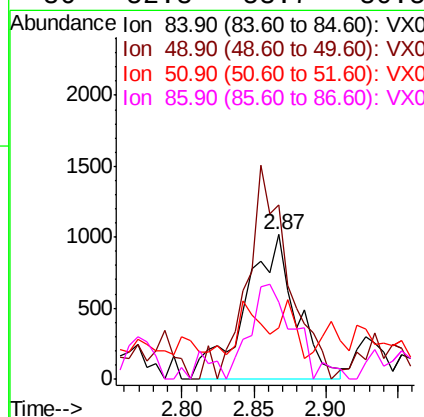
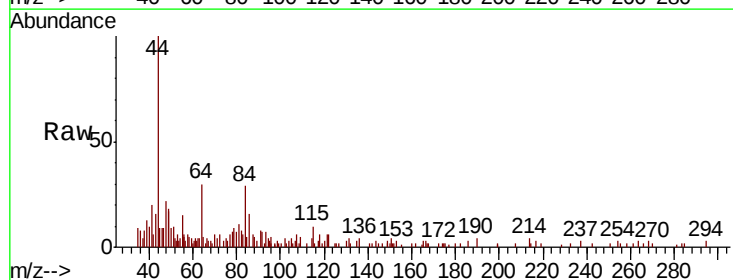
Instrument :
MSVOA_X
ClientSampleId :
PR-MW-04_121218

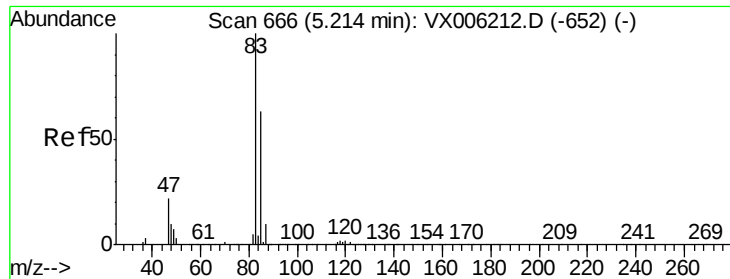
Tgt Ion: 43 Resp: 5034
Ion Ratio Lower Upper
43 100
58 21.6 24.0 36.0#



#20
Methylene Chloride
Concen: 0.350 ug/l
RT: 2.87 min Scan# 281
Delta R.T. 0.01 min
Lab File: VX006556.D
Acq: 15 Dec 2018 10:34

Tgt Ion: 84 Resp: 2505
Ion Ratio Lower Upper
84 100
49 120.3 102.2 153.4
51 9.2 31.1 46.7#
86 52.8 53.7 80.5#

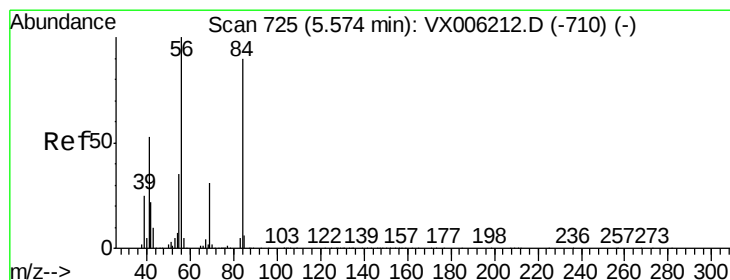
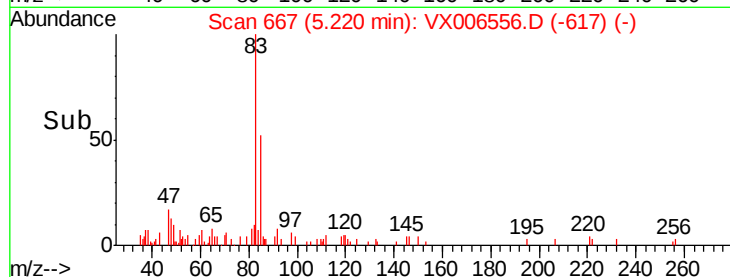
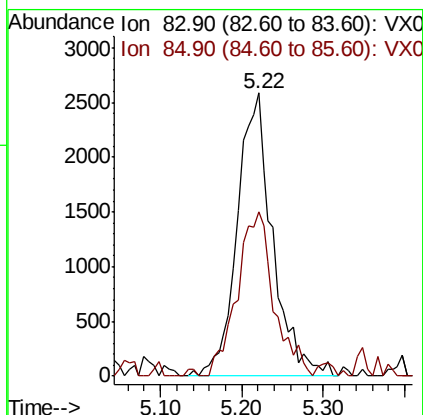
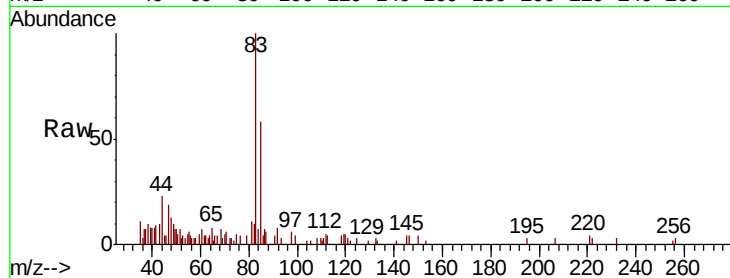




#30
Chloroform
Concen: 0.657 ug/l
RT: 5.22 min Scan# 667
Delta R.T. 0.01 min
Lab File: VX006556.D
Acq: 15 Dec 2018 10:34

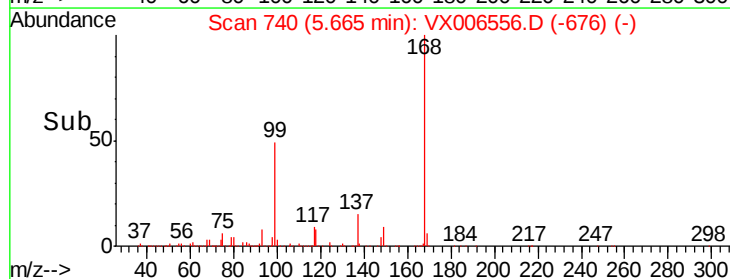
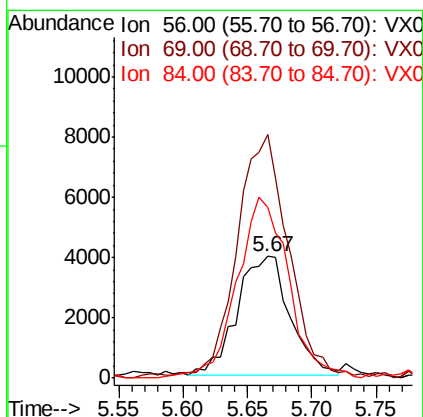
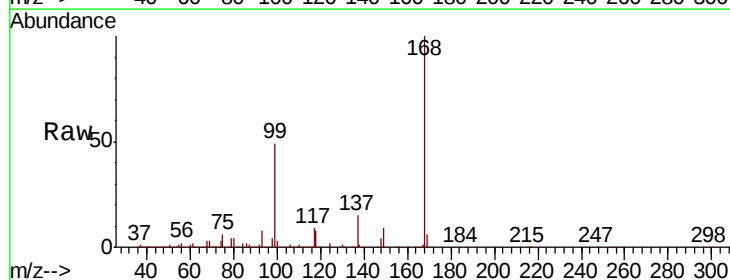
Instrument :
MSVOA_X
ClientSampleId :
PR-MW-04_121218

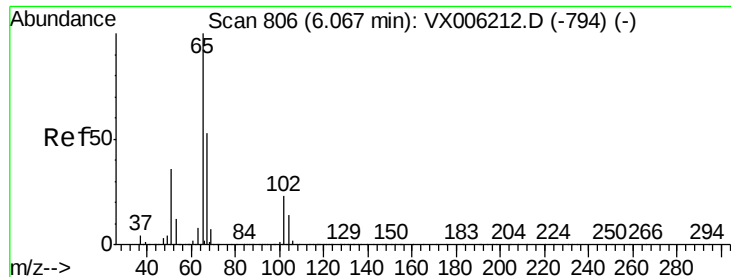
Tgt Ion: 83 Resp: 7739
Ion Ratio Lower Upper
83 100
85 57.9 50.3 75.5



#31
Cyclohexane
Concen: 1.085 ug/l
RT: 5.67 min Scan# 740
Delta R.T. 0.09 min
Lab File: VX006556.D
Acq: 15 Dec 2018 10:34

Tgt Ion: 56 Resp: 11233
Ion Ratio Lower Upper
56 100
69 206.4 24.5 36.7#
84 143.6 71.8 107.6#





#33

1,2-Dichloroethane-d4

Concen: 50.027 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX006556.D

Acq: 15 Dec 2018 10:34

Instrument :

MSVOA_X

ClientSampleId :

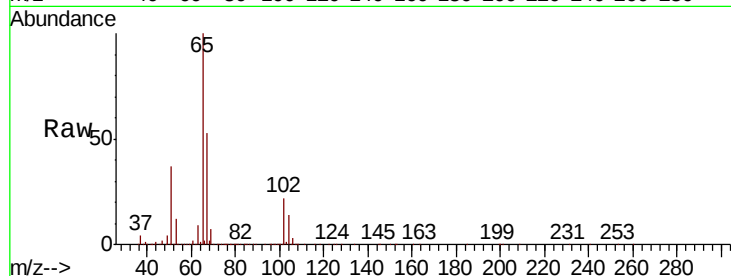
PR-MW-04_121218

Tgt Ion: 65 Resp: 358517

Ion Ratio Lower Upper

65 100

67 53.5 0.0 107.2



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.07

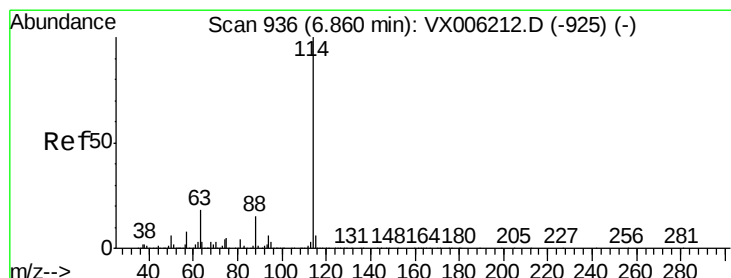
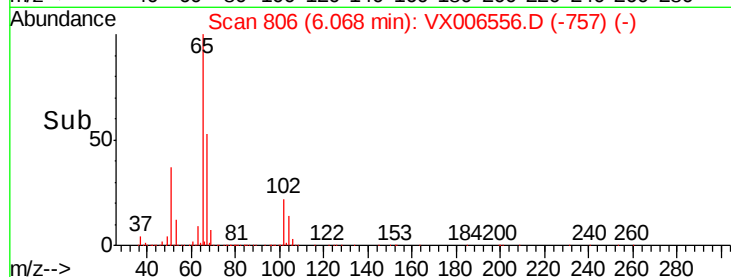
150000

100000

50000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX006556.D

Acq: 15 Dec 2018 10:34

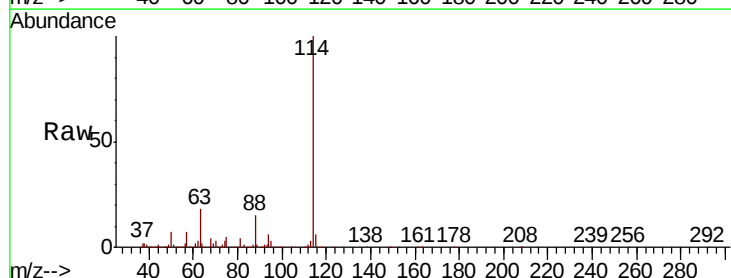
Tgt Ion: 114 Resp: 1081530

Ion Ratio Lower Upper

114 100

63 18.0 0.0 36.6

88 15.2 0.0 29.0



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

6.86

600000

500000

400000

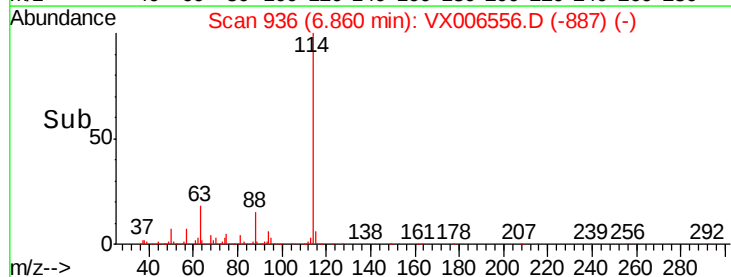
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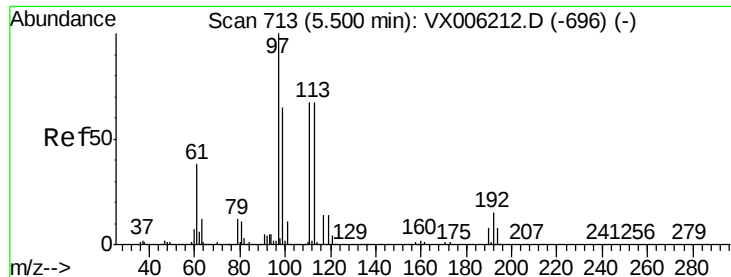
200000

100000

0

Time-->





#35

Dibromofluoromethane

Concen: 45.914 ug/l

RT: 5.51 min Scan# 714

Delta R.T. 0.01 min

Lab File: VX006556.D

Acq: 15 Dec 2018 10:34

Instrument :

MSVOA_X

ClientSampleId :

PR-MW-04_121218

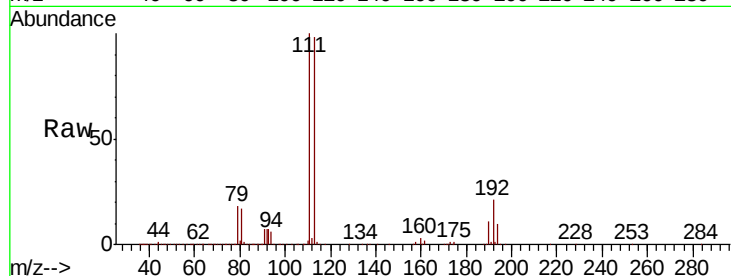
Tgt Ion:113 Resp: 321511

Ion Ratio Lower Upper

113 100

111 101.3 81.1 121.7

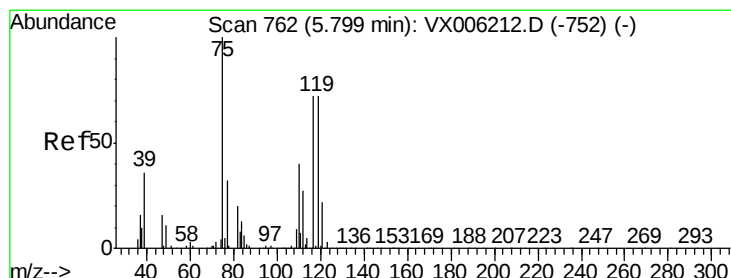
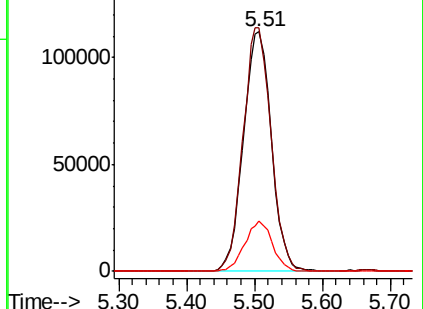
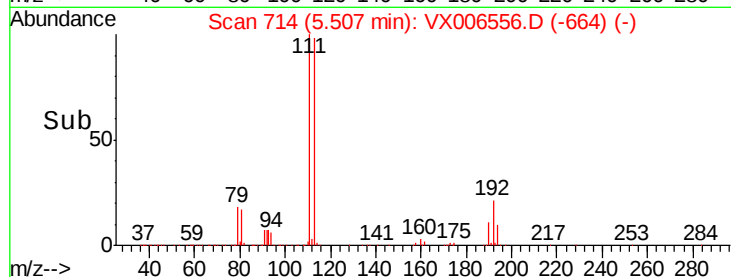
192 20.8 18.2 27.2



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: 4.973 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.13 min

Lab File: VX006556.D

Acq: 15 Dec 2018 10:34

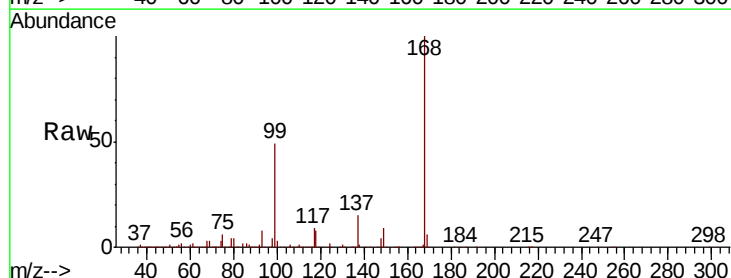
Tgt Ion: 75 Resp: 45291

Ion Ratio Lower Upper

75 100

110 10.8 20.4 61.3#

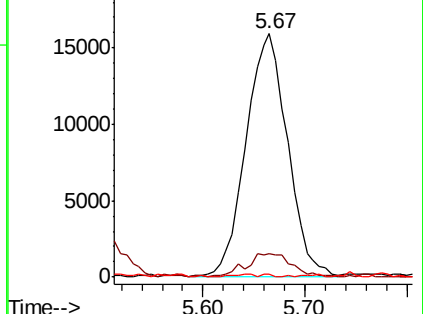
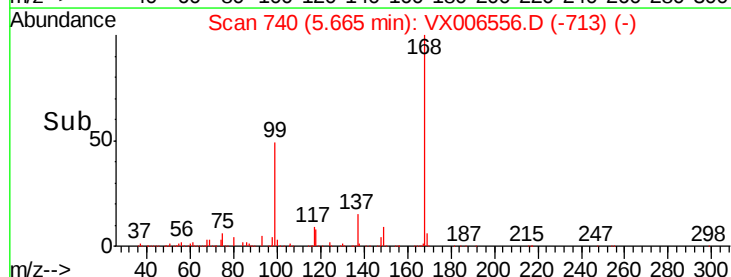
77 0.3 24.9 37.3#

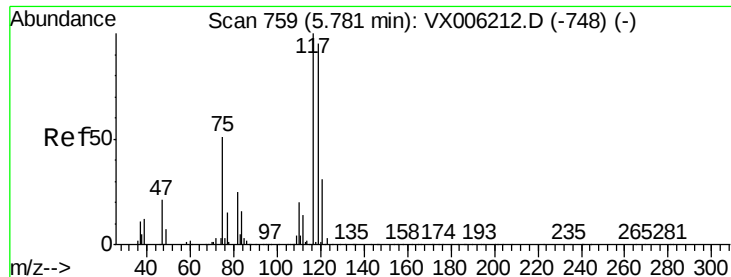


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.058 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX006556.D

Acq: 15 Dec 2018 10:34

Instrument :

MSVOA_X

ClientSampleId :

PR-MW-04_121218

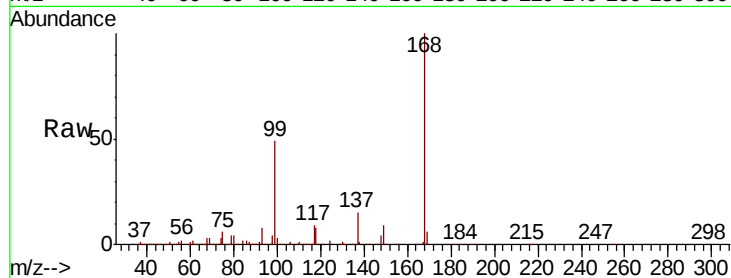
Tgt Ion: 117 Resp: 64903

Ion Ratio Lower Upper

117 100

119 3.2 75.8 113.8#

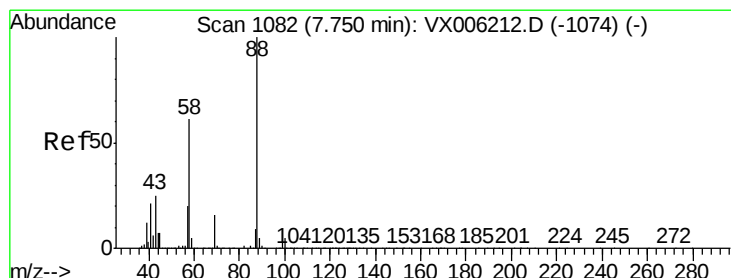
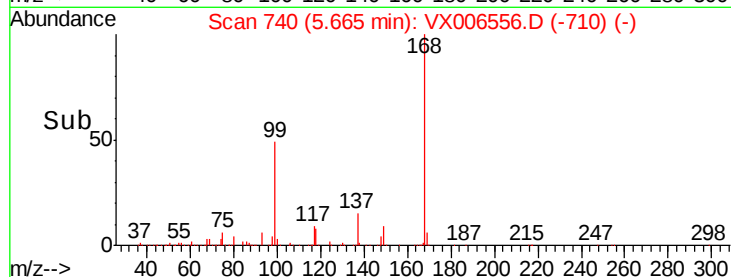
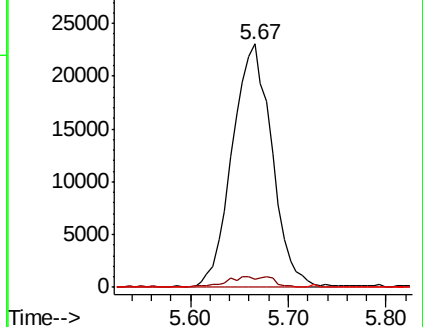
121 0.4 24.6 37.0#



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



#49

1,4-Dioxane

Concen: 1.275 ug/l

RT: 7.74 min Scan# 1081

Delta R.T. -0.01 min

Lab File: VX006556.D

Acq: 15 Dec 2018 10:34

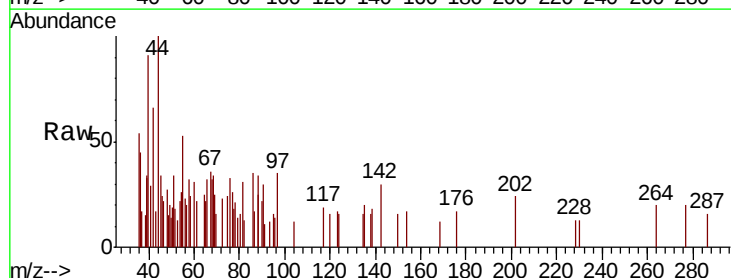
Tgt Ion: 88 Resp: 260

Ion Ratio Lower Upper

88 100

43 130.0 23.2 34.8#

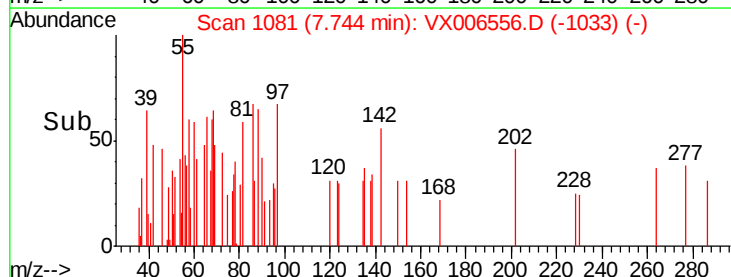
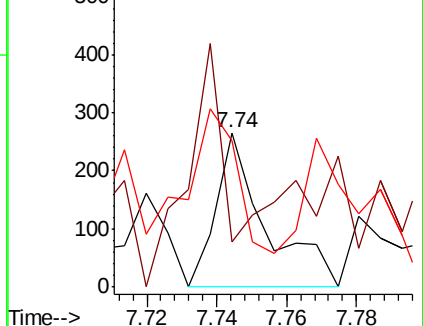
58 95.8 51.4 77.0#

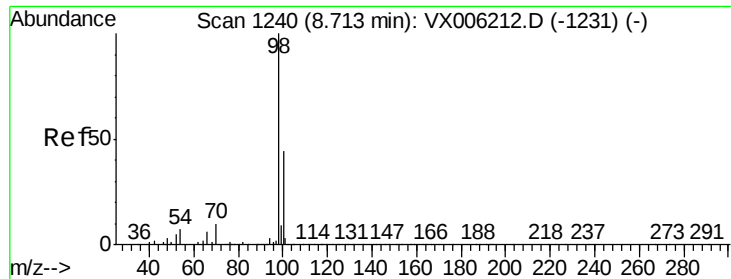


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 49.819 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX006556.D

Acq: 15 Dec 2018 10:34

Instrument :

MSVOA_X

ClientSampleId :

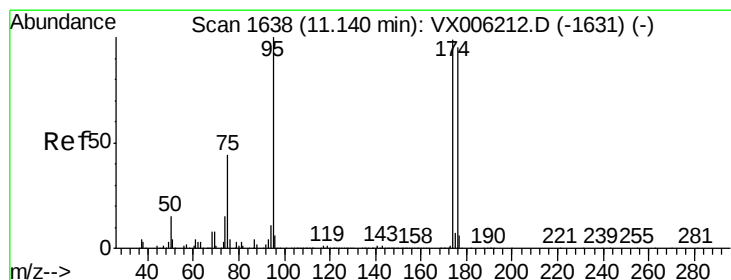
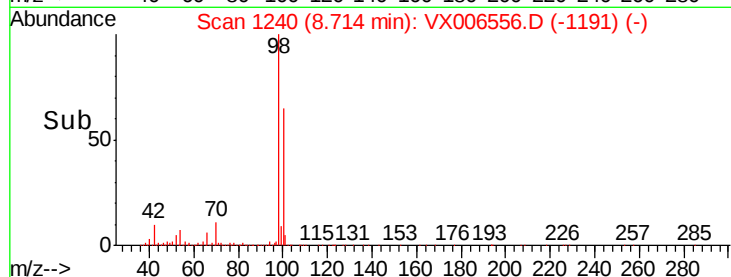
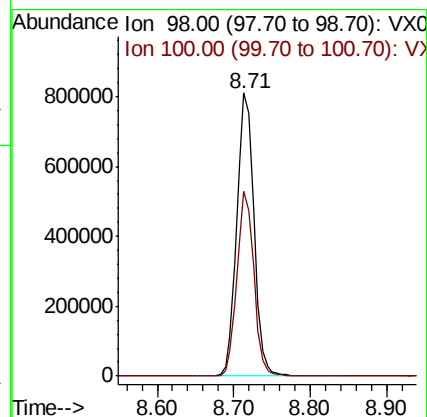
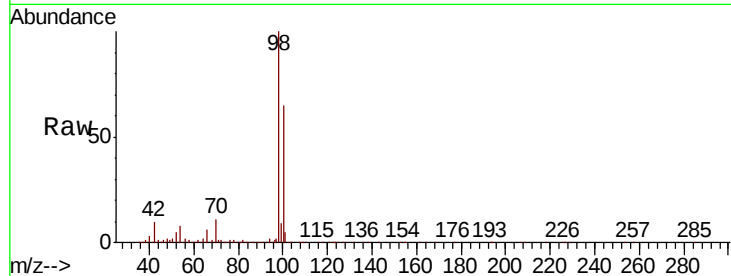
PR-MW-04_121218

Tgt Ion: 98 Resp: 1268927

Ion Ratio Lower Upper

98 100

100 64.1 52.2 78.2



#62

4-Bromofluorobenzene

Concen: 48.135 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.01 min

Lab File: VX006556.D

Acq: 15 Dec 2018 10:34

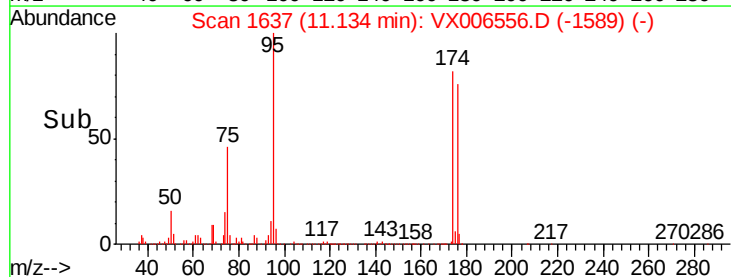
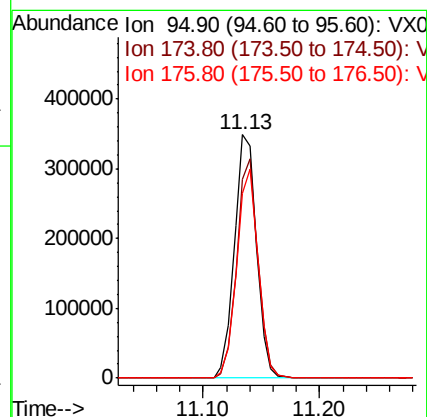
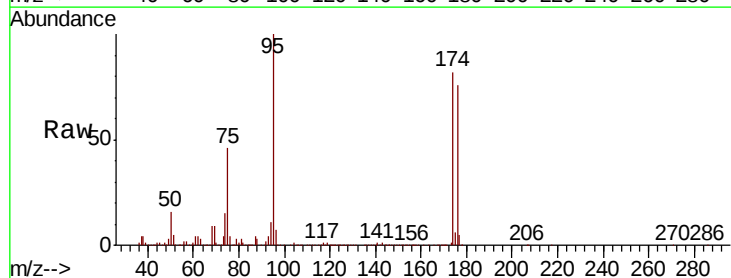
Tgt Ion: 95 Resp: 462013

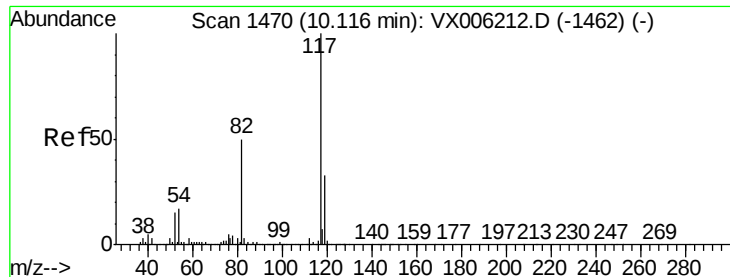
Ion Ratio Lower Upper

95 100

174 87.0 0.0 187.0

176 83.8 0.0 181.8

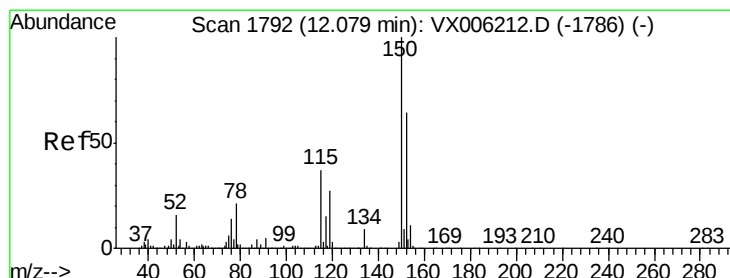
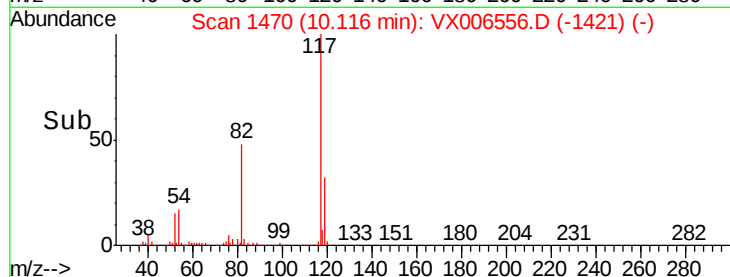
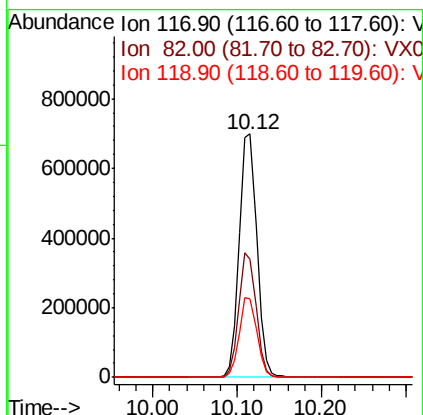
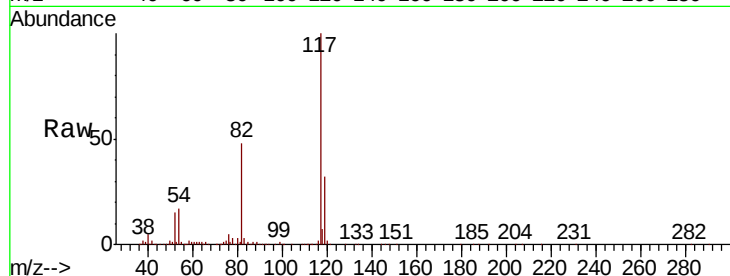




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VX006556.D
Acq: 15 Dec 2018 10:34

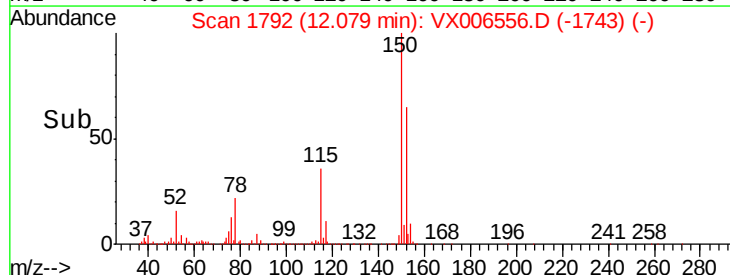
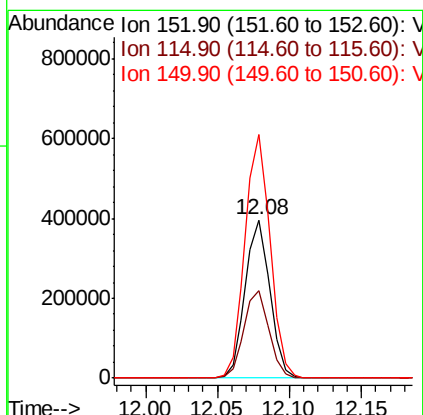
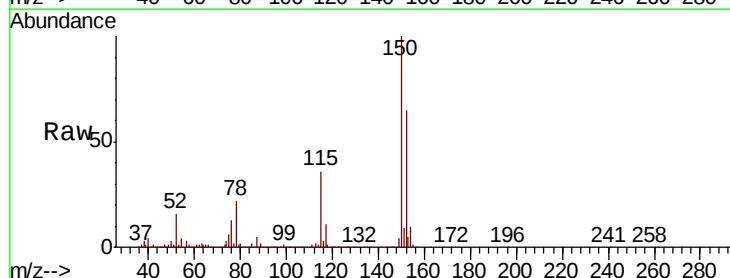
Instrument :
MSVOA_X
ClientSampleId :
PR-MW-04_121218

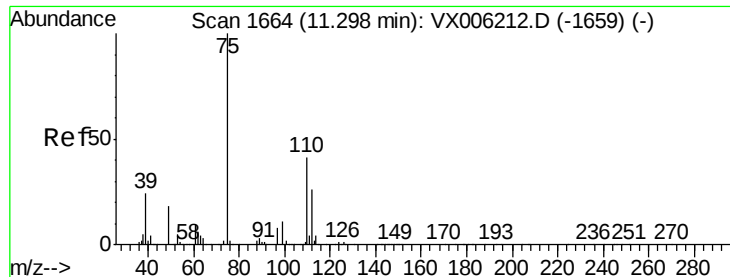
Tgt Ion	Ratio	Lower	Upper
117	100		
82	48.3	39.6	59.4
119	32.4	26.3	39.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX006556.D
Acq: 15 Dec 2018 10:34

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.2	39.0	116.9
150	156.2	0.0	345.8





#76

1,2,3-Trichloropropane

Concen: 23.275 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX006556.D

Acq: 15 Dec 2018 10:34

Instrument :

MSVOA_X

ClientSampleId :

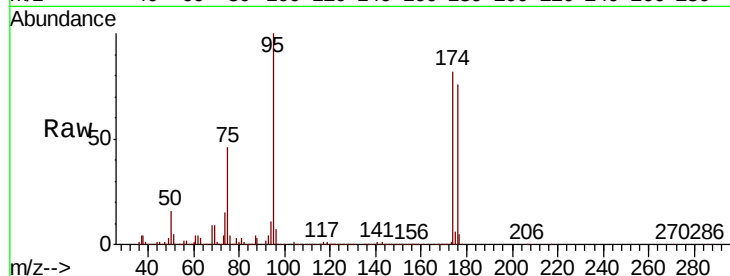
PR-MW-04_121218

Tgt Ion: 75 Resp: 211837

Ion Ratio Lower Upper

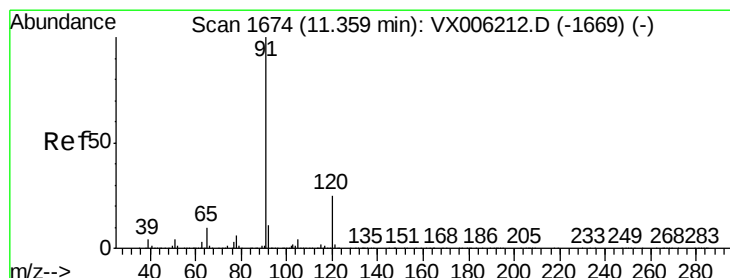
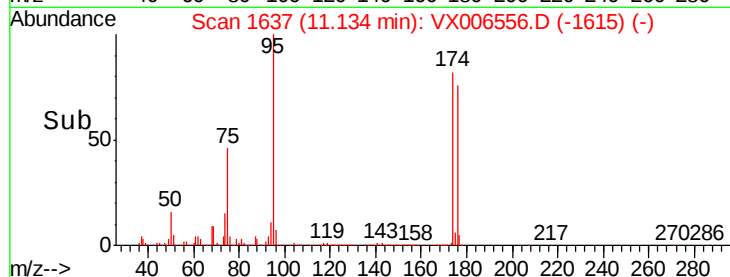
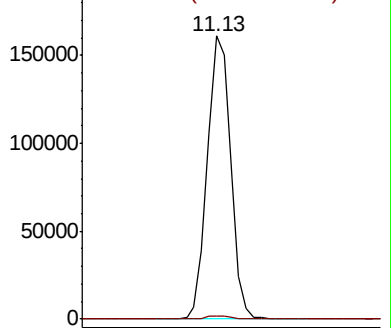
75 100

77 1.2 19.9 59.7#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0



#78

n-propylbenzene

Concen: 0.337 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX006556.D

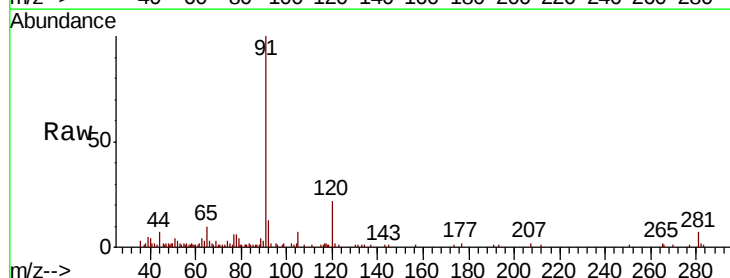
Acq: 15 Dec 2018 10:34

Tgt Ion: 91 Resp: 12206

Ion Ratio Lower Upper

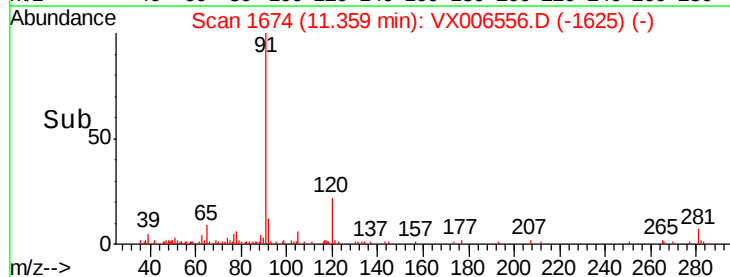
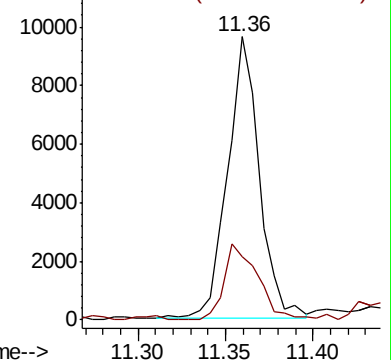
91 100

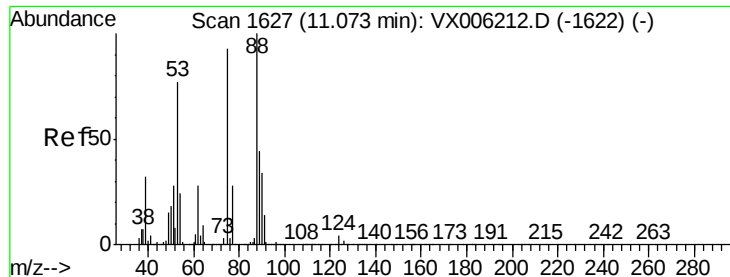
120 28.9 12.7 38.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 54.619 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX006556.D

Acq: 15 Dec 2018 10:34

Instrument :

MSVOA_X

ClientSampleId :

PR-MW-04_121218

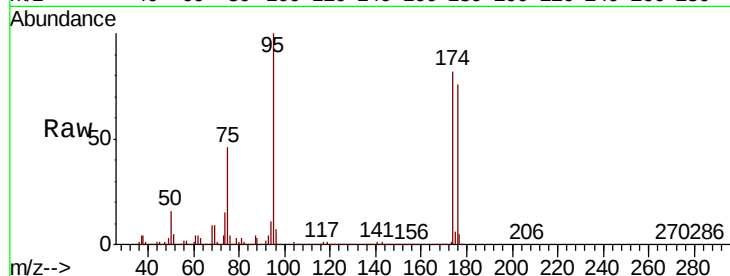
Tgt Ion: 75 Resp: 211837

Ion Ratio Lower Upper

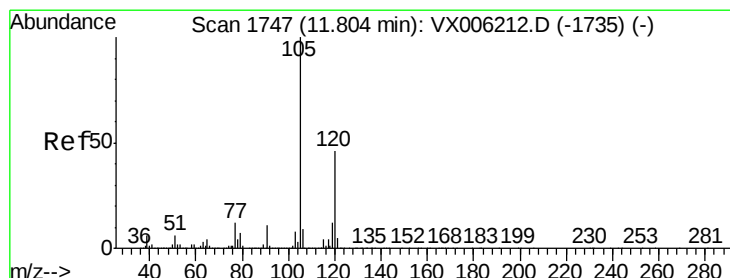
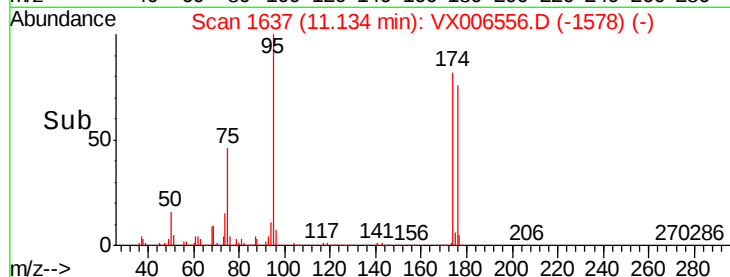
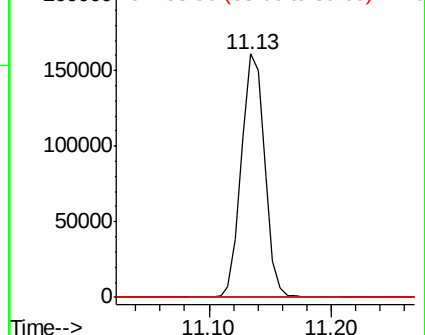
75 100

53 0.1 64.4 96.6#

89 0.1 44.2 66.4#



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 53.00 (52.70 to 53.70): VX0
Ion 88.90 (88.60 to 89.60): VX0



#84

1,2,4-Trimethylbenzene

Concen: 0.891 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. 0.00 min

Lab File: VX006556.D

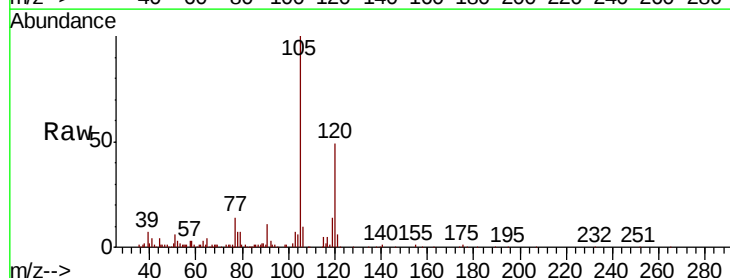
Acq: 15 Dec 2018 10:34

Tgt Ion: 105 Resp: 24916

Ion Ratio Lower Upper

105 100

120 49.5 23.4 70.0



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V

