

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX082719\
 Data File : VX011864.D
 Acq On : 27 Aug 2019 20:45
 Operator : JC/SP
 Sample : K4566-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-4

Quant Time: Aug 28 02:26:09 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082219W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 23 01:48:12 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	395849	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	558737	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	492770	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	236057	50.00	ug/l	0.00

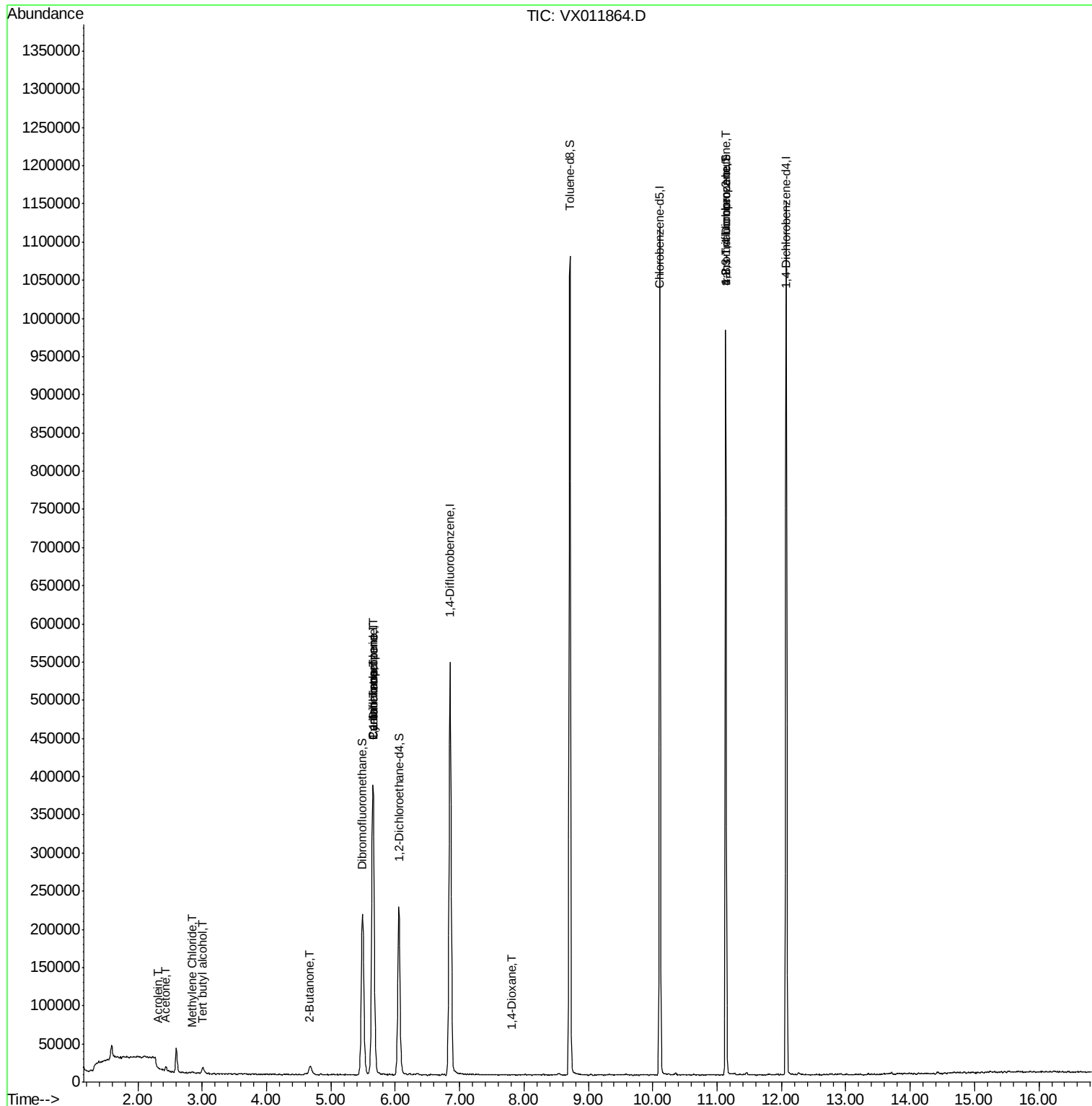
System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	206696	51.98	ug/l	0.00
Spiked Amount						
			Recovery	=	103.96%	
35) Dibromofluoromethane	5.49	113	174772	48.37	ug/l	0.00
Spiked Amount						
			Recovery	=	96.74%	
50) Toluene-d8	8.71	98	645088	51.19	ug/l	0.00
Spiked Amount						
			Recovery	=	102.38%	
62) 4-Bromofluorobenzene	11.13	95	236463	47.47	ug/l	0.00
Spiked Amount						
			Recovery	=	94.94%	

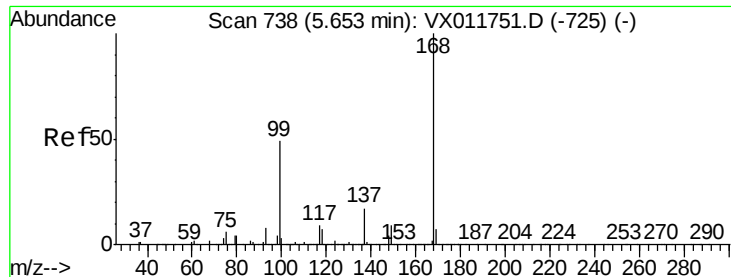
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.01	59	6520	8.297	ug/l #	80
13) Acrolein	2.32	56	98	0.323	ug/l #	16
16) Acetone	2.43	43	6073	3.511	ug/l	99
20) Methylene Chloride	2.85	84	778	0.220	ug/l #	69
25) 2-Butanone	4.67	43	602	0.242	ug/l #	85
31) Cyclohexane	5.65	56	7102	1.452	ug/l #	3
36) 1,1-Dichloropropene	5.65	75	25742	5.875	ug/l #	50
38) Carbon Tetrachloride	5.66	117	34947	7.038	ug/l #	16
49) 1,4-Dioxane	7.81	88	27	0.261	ug/l #	1
76) 1,2,3-Trichloropropane	11.13	75	118927	28.712	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.13	75	118927	86.590	ug/l #	11

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

```
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX082719\
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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 738

Delta R.T. -0.00 min

Lab File: VX011864.D

Acq: 27 Aug 2019 20:45

Instrument :

MSVOA_X

ClientSampleId :

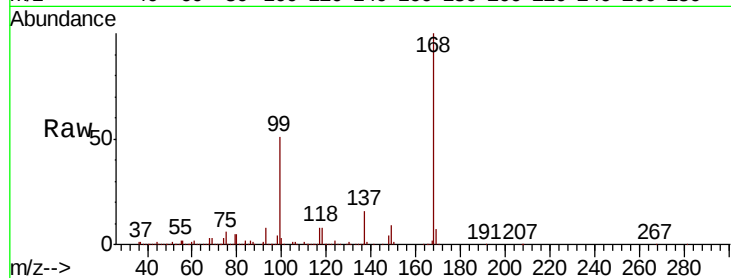
MW-4

Tgt Ion:168 Resp: 395849

Ion Ratio Lower Upper

168 100

99 51.2 39.4 59.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

150000

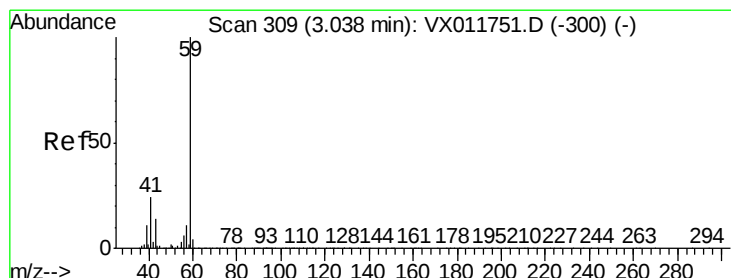
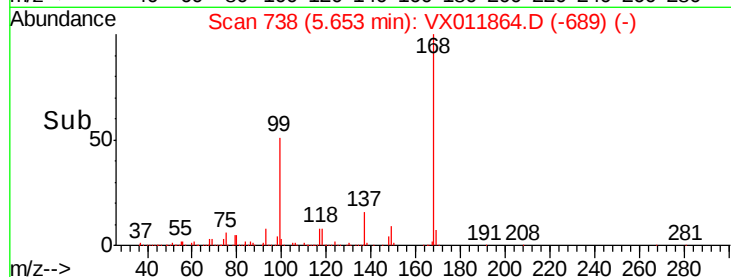
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#11

Tert butyl alcohol

Concen: 8.297 ug/l

RT: 3.01 min Scan# 305

Delta R.T. -0.02 min

Lab File: VX011864.D

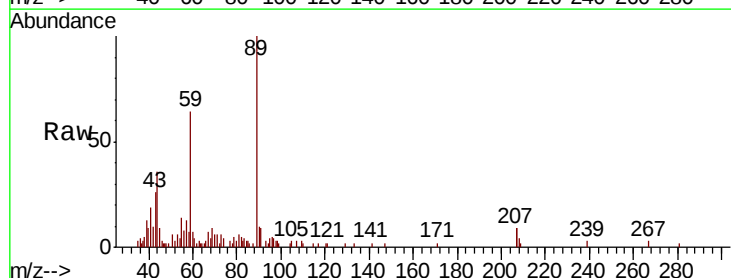
Acq: 27 Aug 2019 20:45

Tgt Ion: 59 Resp: 6520

Ion Ratio Lower Upper

59 100

57 2.9 8.4 12.6#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

3.01

2500

2000

1500

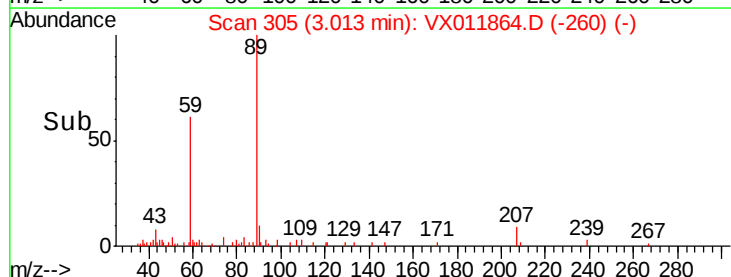
1000

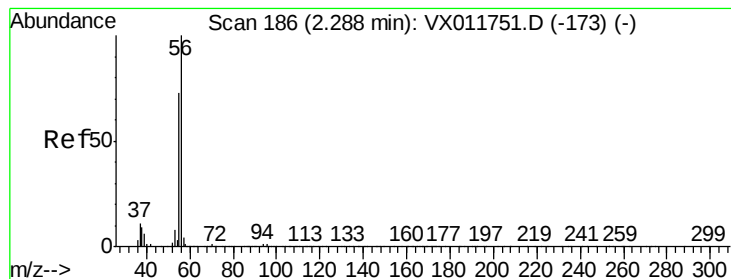
500

0

Time-->

2.90 3.00 3.10





#13

Acrolein

Concen: 0.323 ug/l

RT: 2.32 min Scan# 191

Delta R.T. 0.03 min

Lab File: VX011864.D

Acq: 27 Aug 2019 20:45

Instrument :

MSVOA_X

ClientSampleId :

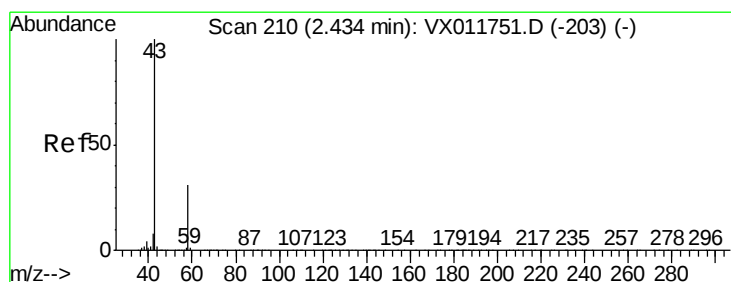
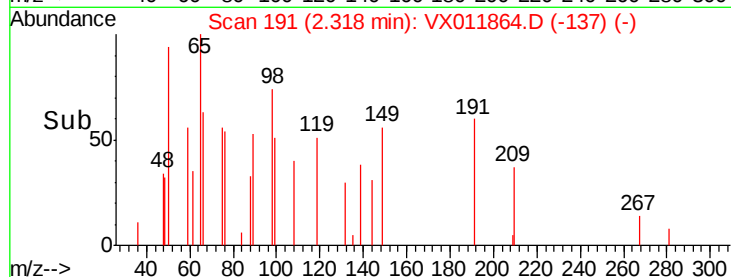
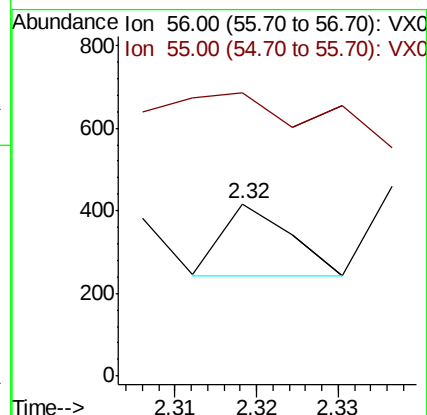
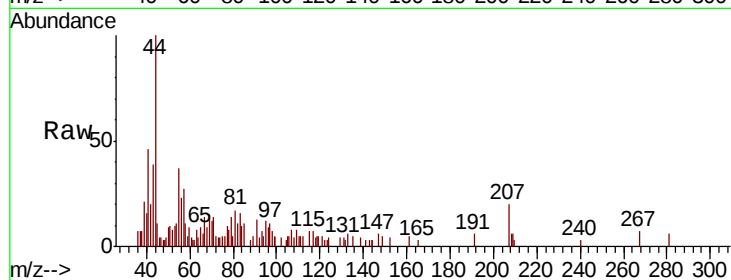
MW-4

Tgt Ion: 56 Resp: 98

Ion Ratio Lower Upper

56 100

55 0.0 54.8 82.2#



#16

Acetone

Concen: 3.511 ug/l

RT: 2.43 min Scan# 210

Delta R.T. -0.00 min

Lab File: VX011864.D

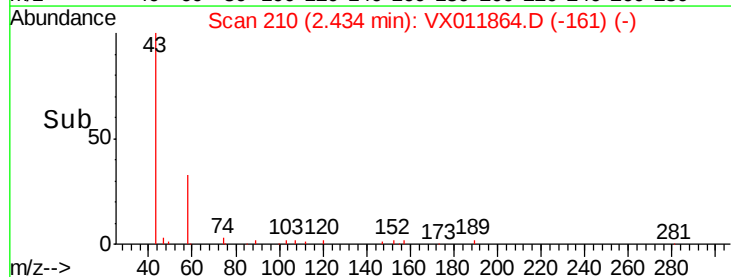
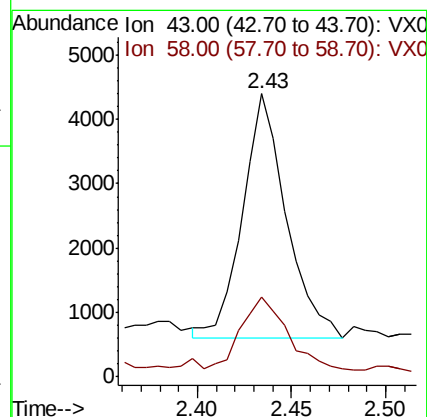
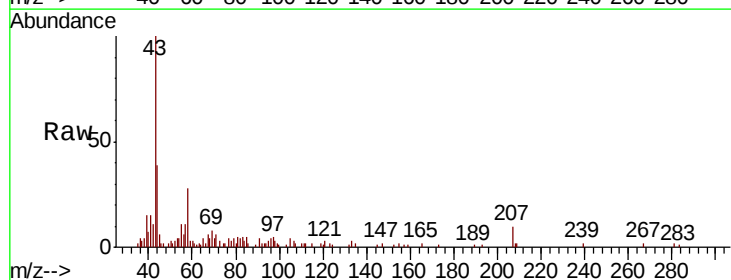
Acq: 27 Aug 2019 20:45

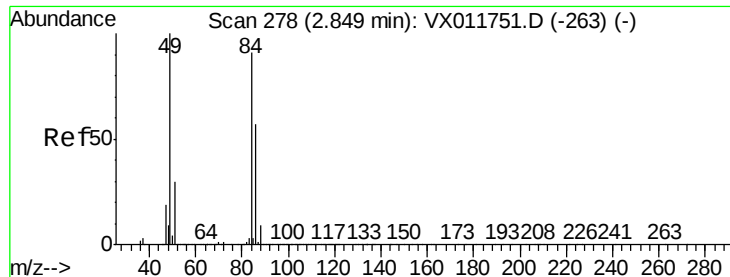
Tgt Ion: 43 Resp: 6073

Ion Ratio Lower Upper

43 100

58 29.7 24.4 36.6





#20

Methylene Chloride

Concen: 0.220 ug/l

RT: 2.85 min Scan# 279

Delta R.T. 0.01 min

Lab File: VX011864.D

Acq: 27 Aug 2019 20:45

Instrument :

MSVOA_X

ClientSampleId :

MW-4

Tgt Ion: 84 Resp: 778

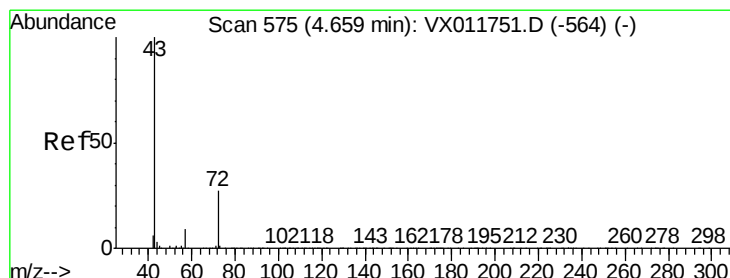
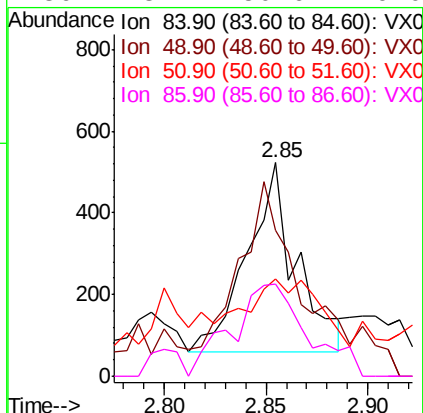
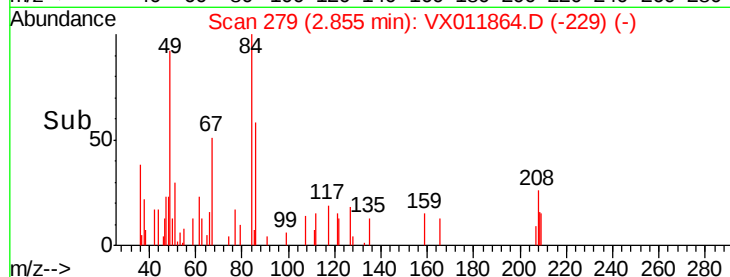
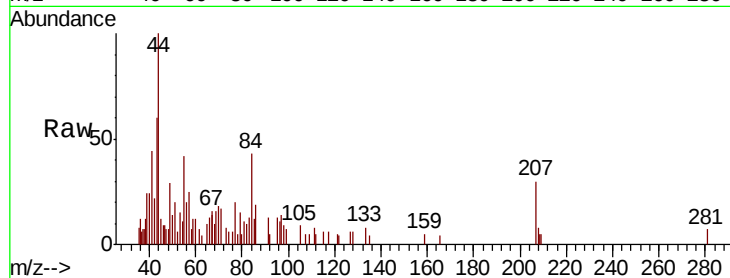
Ion Ratio Lower Upper

84 100

49 63.0 88.3 132.5#

51 27.1 26.2 39.2

86 48.4 50.6 76.0#



#25

2-Butanone

Concen: 0.242 ug/l

RT: 4.67 min Scan# 577

Delta R.T. 0.01 min

Lab File: VX011864.D

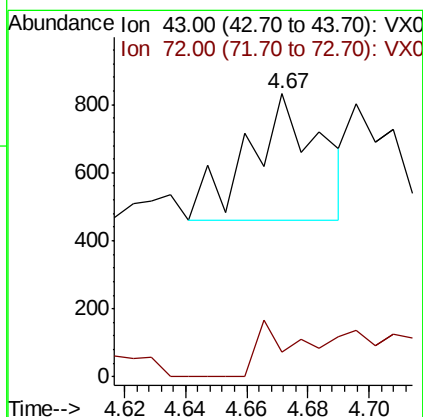
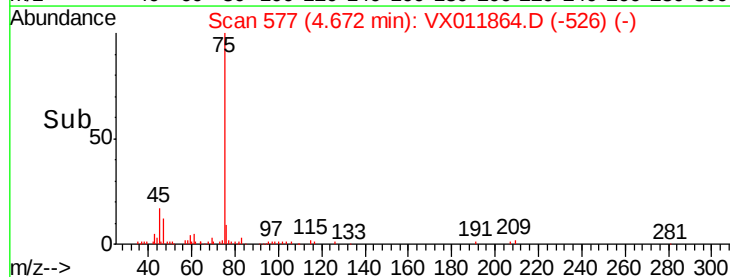
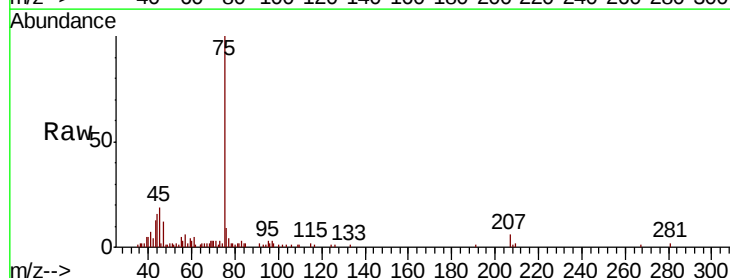
Acq: 27 Aug 2019 20:45

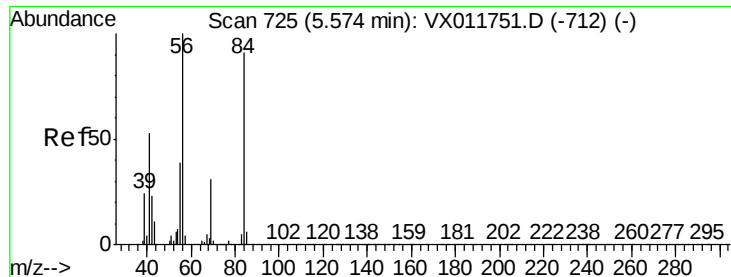
Tgt Ion: 43 Resp: 602

Ion Ratio Lower Upper

43 100

72 19.3 21.8 32.6#

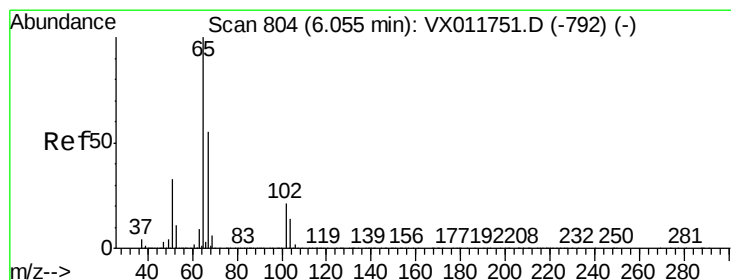
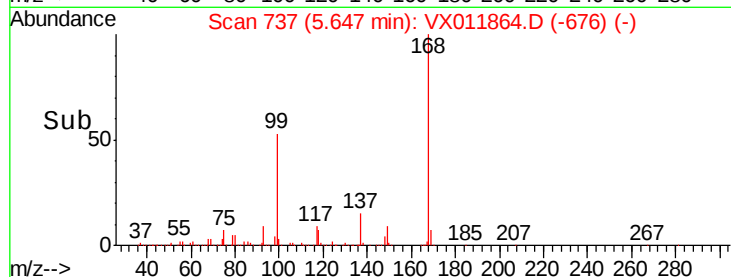
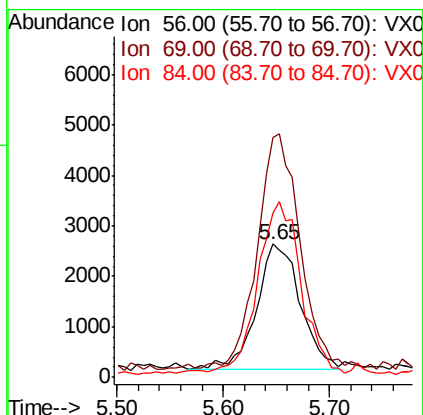
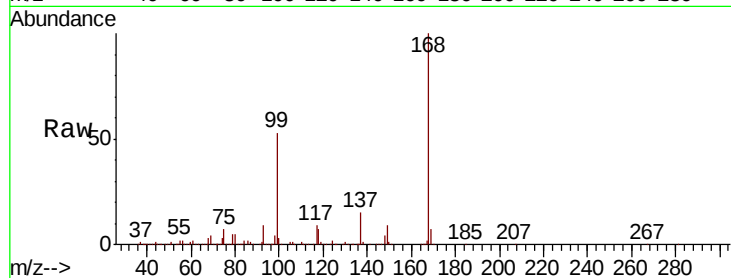




#31
Cyclohexane
Concen: 1.452 ug/l
RT: 5.65 min Scan# 737
Delta R.T. 0.07 min
Lab File: VX011864.D
Acq: 27 Aug 2019 20:45

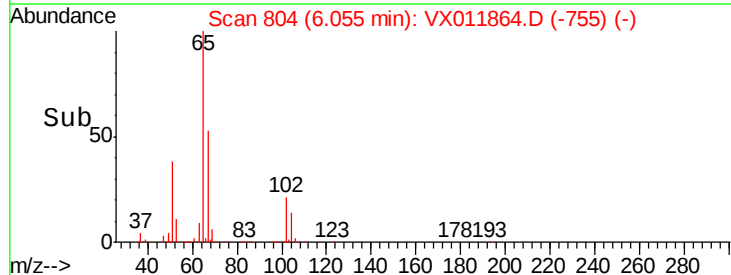
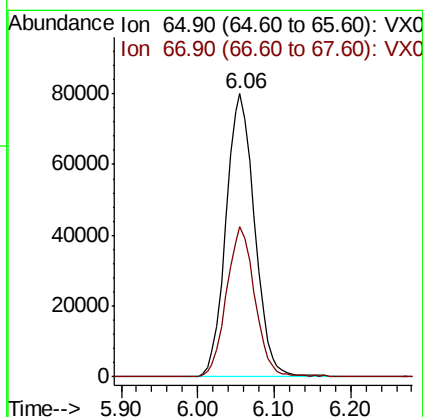
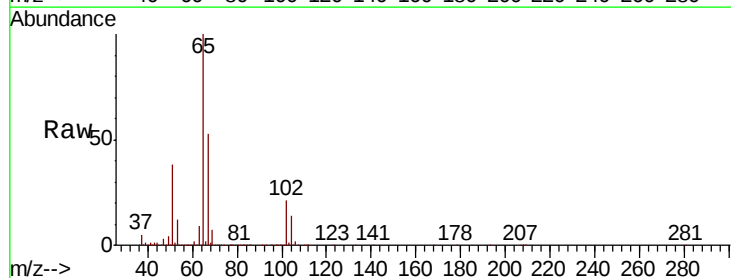
Instrument :
MSVOA_X
ClientSampled :
MW-4

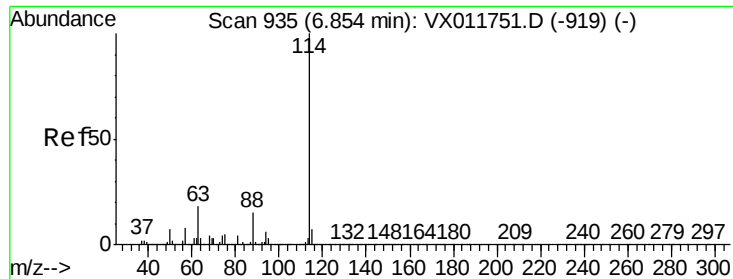
Tgt Ion: 56 Resp: 7102
Ion Ratio Lower Upper
56 100
69 181.3 24.5 36.7#
84 126.3 72.7 109.1#



#33
1,2-Dichloroethane-d4
Concen: 51.979 ug/l
RT: 6.06 min Scan# 804
Delta R.T. -0.00 min
Lab File: VX011864.D
Acq: 27 Aug 2019 20:45

Tgt Ion: 65 Resp: 206696
Ion Ratio Lower Upper
65 100
67 52.1 0.0 107.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 935

Delta R.T. -0.00 min

Lab File: VX011864.D

Acq: 27 Aug 2019 20:45

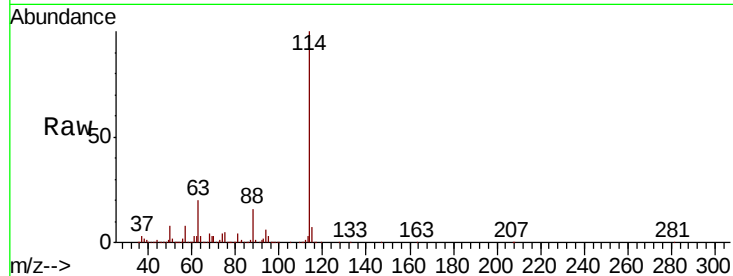
Instrument :

MSVOA_X

ClientSampled :

MW-4

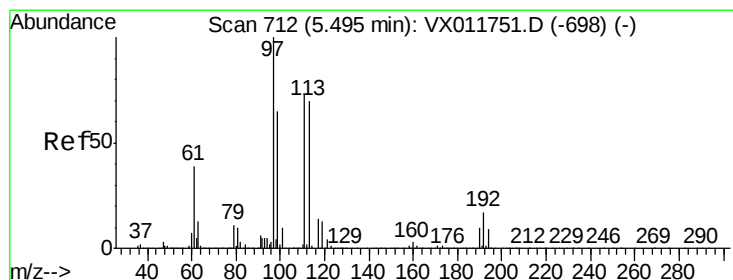
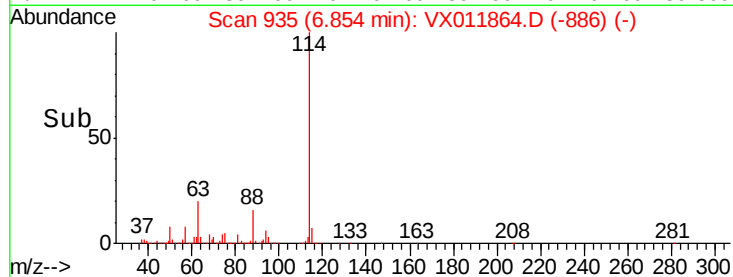
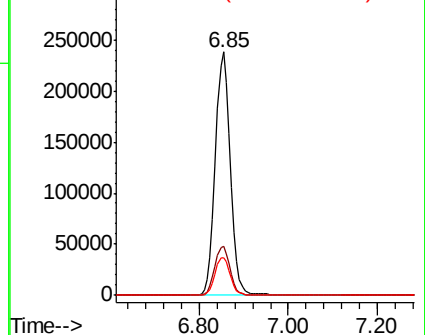
Tgt Ion:	114	Resp:	558737
Ion	Ratio	Lower	Upper
114	100		
63	20.1	0.0	36.8
88	15.6	0.0	30.2



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



#35

Dibromofluoromethane

Concen: 48.373 ug/l

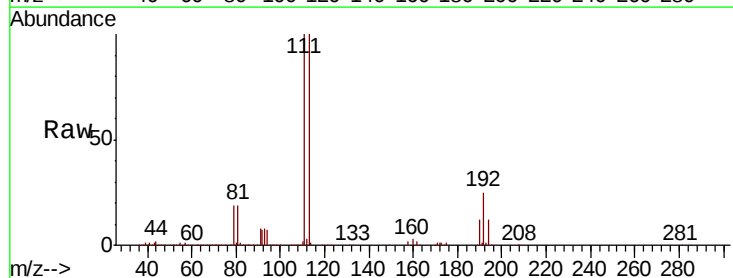
RT: 5.49 min Scan# 711

Delta R.T. -0.01 min

Lab File: VX011864.D

Acq: 27 Aug 2019 20:45

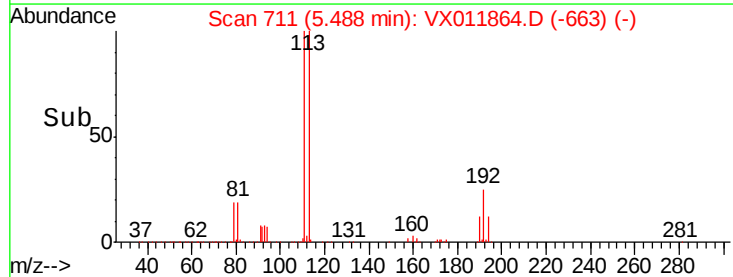
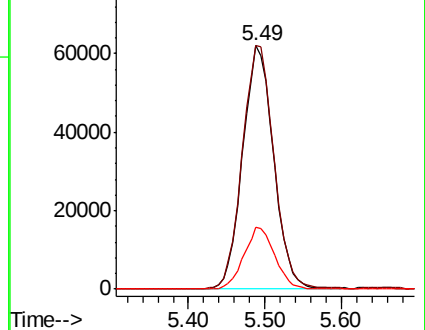
Tgt Ion:	113	Resp:	174772
Ion	Ratio	Lower	Upper
113	100		
111	102.0	81.0	121.4
192	25.3	19.9	29.9

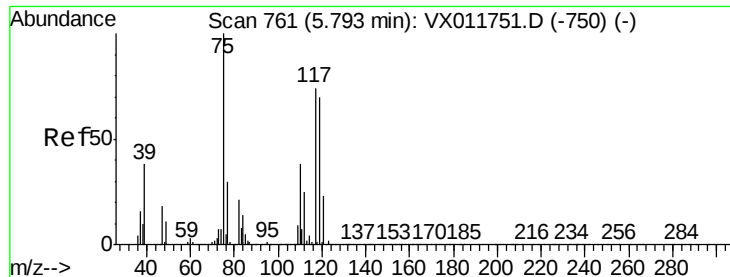


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.875 ug/l

RT: 5.65 min Scan# 737

Delta R.T. -0.15 min

Lab File: VX011864.D

Acq: 27 Aug 2019 20:45

Instrument :

MSVOA_X

ClientSampleId :

MW-4

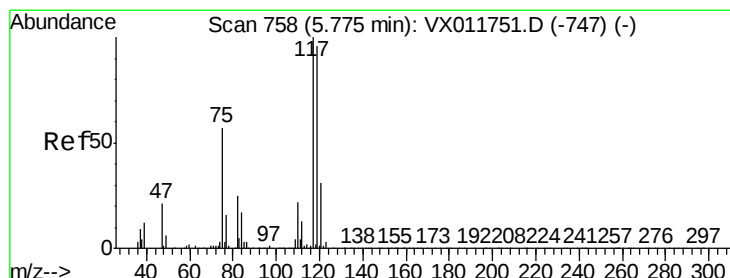
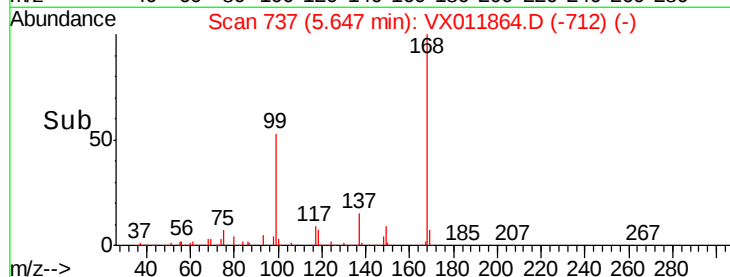
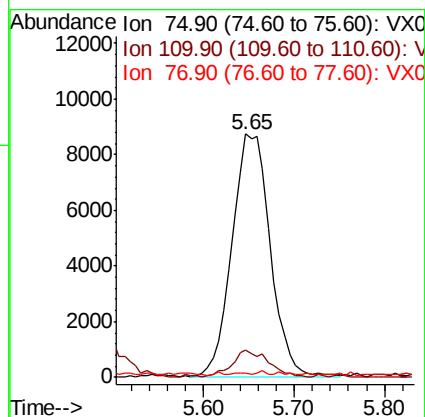
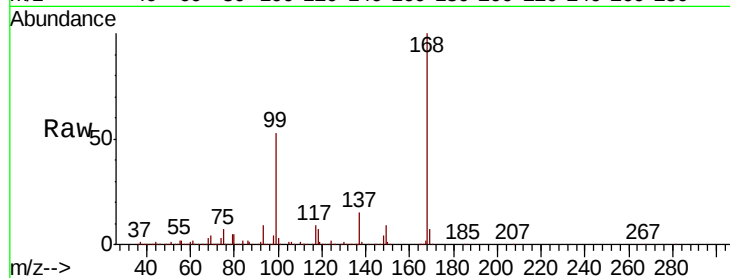
Tgt Ion: 75 Resp: 25742

Ion Ratio Lower Upper

75 100

110 10.6 19.0 57.0#

77 0.2 24.6 36.8#



#38

Carbon Tetrachloride

Concen: 7.038 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.12 min

Lab File: VX011864.D

Acq: 27 Aug 2019 20:45

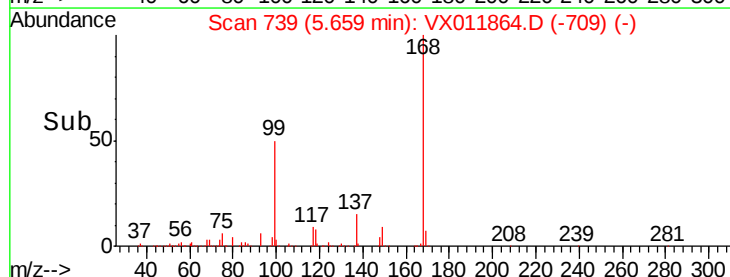
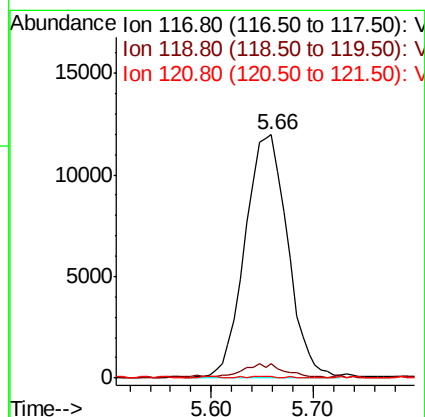
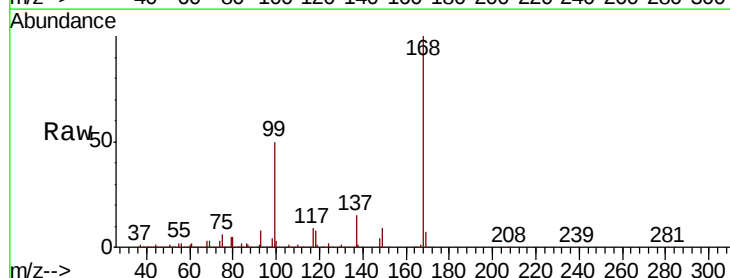
Tgt Ion: 117 Resp: 34947

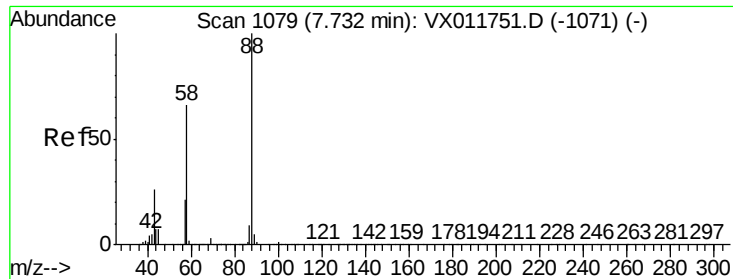
Ion Ratio Lower Upper

117 100

119 5.3 76.6 114.8#

121 0.5 25.2 37.8#

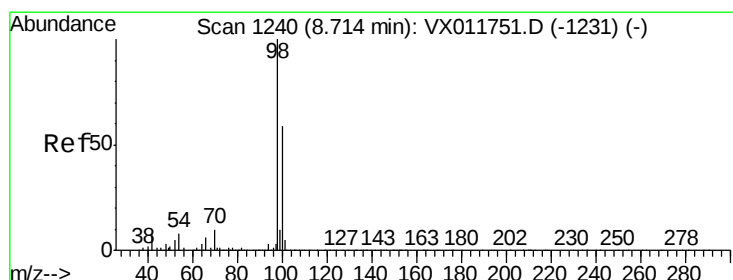
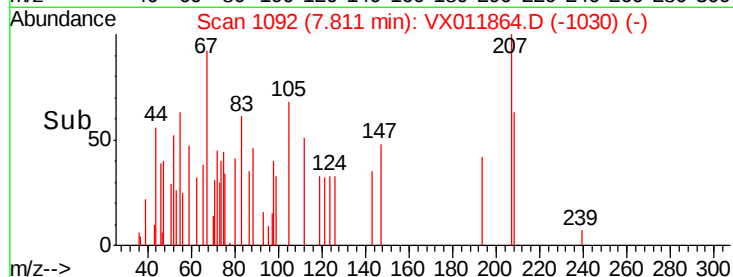
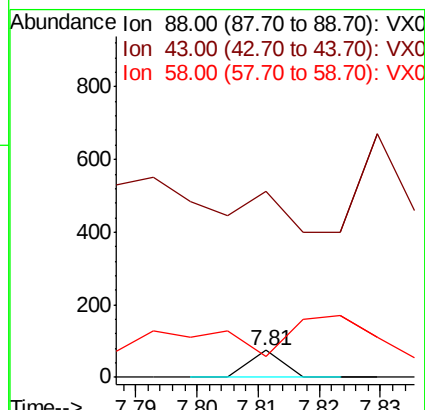
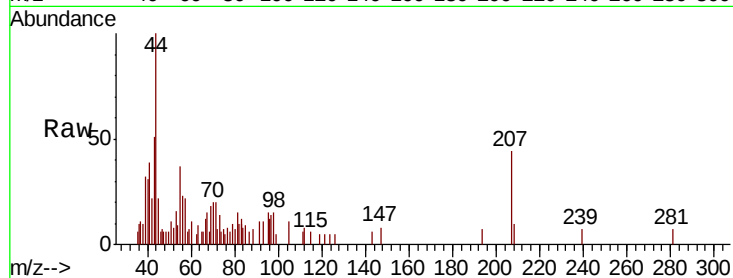




#49
1,4-Dioxane
Concen: 0.261 ug/l
RT: 7.81 min Scan# 1092
Delta R.T. 0.08 min
Lab File: VX011864.D
Acq: 27 Aug 2019 20:45

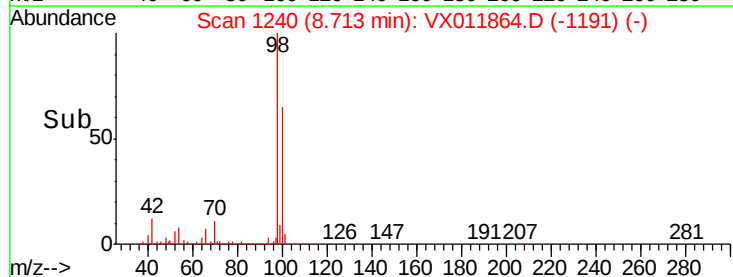
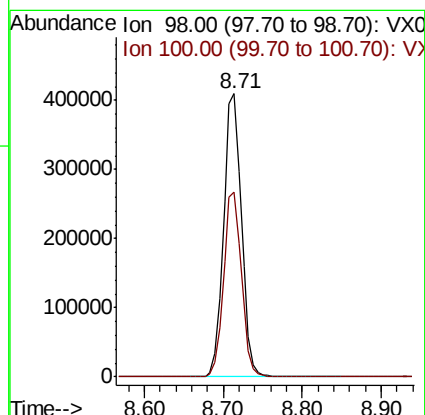
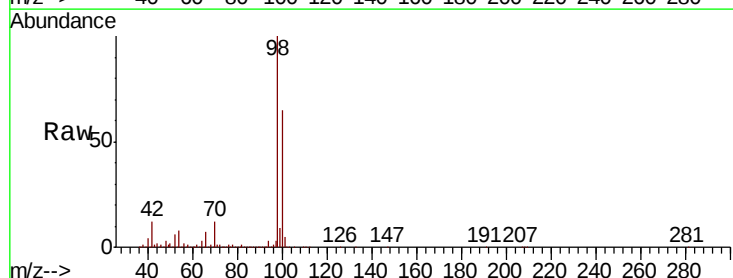
Instrument :
MSVOA_X
ClientSampled :
MW-4

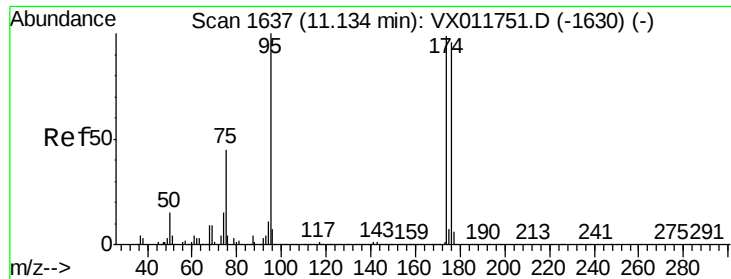
Tgt Ion: 88 Resp: 27
Ion Ratio Lower Upper
88 100
43 725.9 24.6 37.0#
58 274.1 51.4 77.2#



#50
Toluene-d8
Concen: 51.188 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX011864.D
Acq: 27 Aug 2019 20:45

Tgt Ion: 98 Resp: 645088
Ion Ratio Lower Upper
98 100
100 65.3 52.1 78.1





#62

4-Bromofluorobenzene

Concen: 47.471 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX011864.D

Acq: 27 Aug 2019 20:45

Instrument :

MSVOA_X

ClientSampled :

MW-4

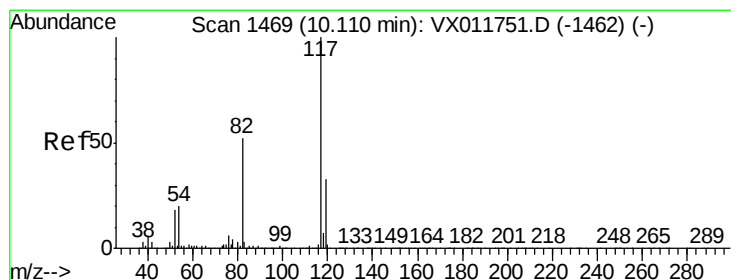
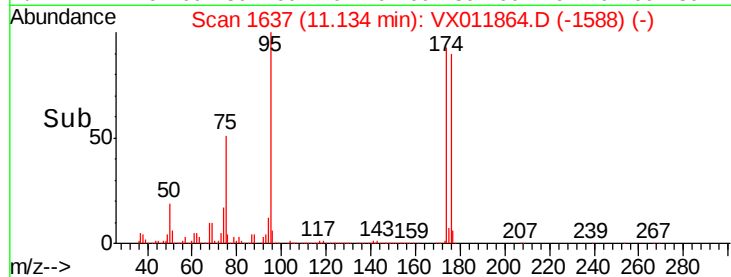
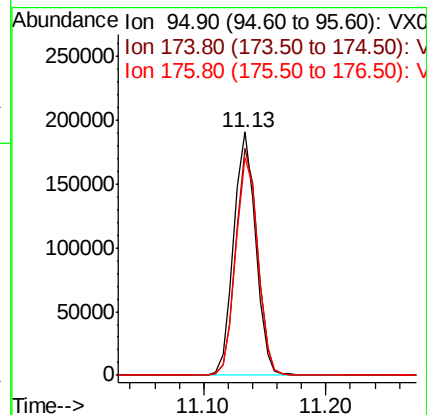
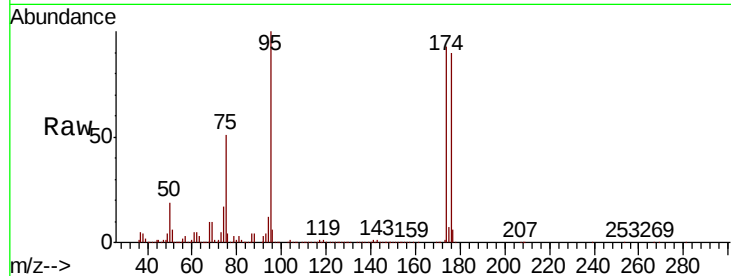
Tgt Ion: 95 Resp: 236463

Ion Ratio Lower Upper

95 100

174 92.8 0.0 197.4

176 90.2 0.0 194.4



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VX011864.D

Acq: 27 Aug 2019 20:45

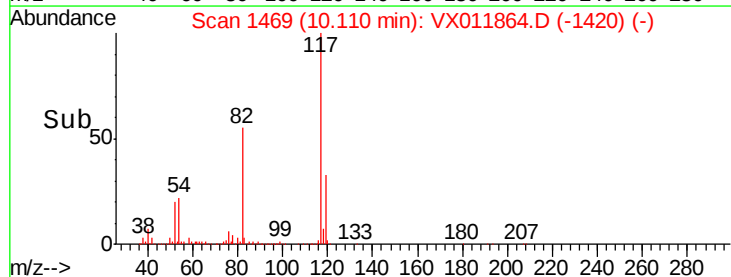
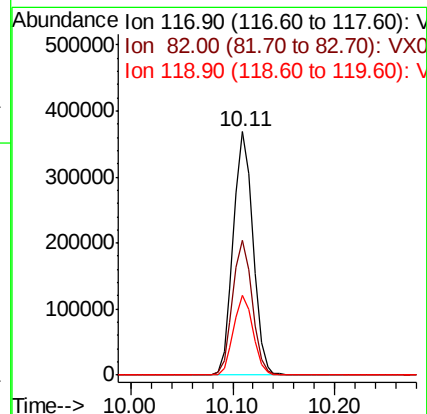
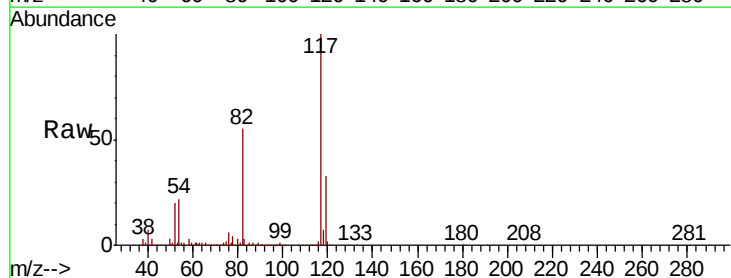
Tgt Ion: 117 Resp: 492770

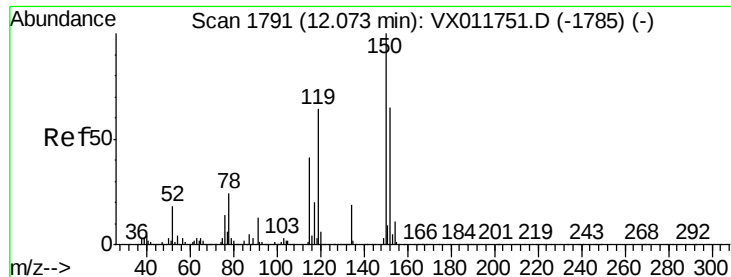
Ion Ratio Lower Upper

117 100

82 55.4 41.7 62.5

119 32.7 26.2 39.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1791

Delta R.T. -0.00 min

Lab File: VX011864.D

Acq: 27 Aug 2019 20:45

Instrument :

MSVOA_X

ClientSampled :

MW-4

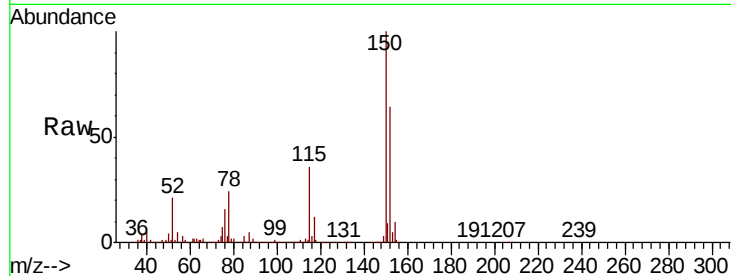
Tgt Ion:152 Resp: 236057

Ion Ratio Lower Upper

152 100

115 55.0 37.3 111.8

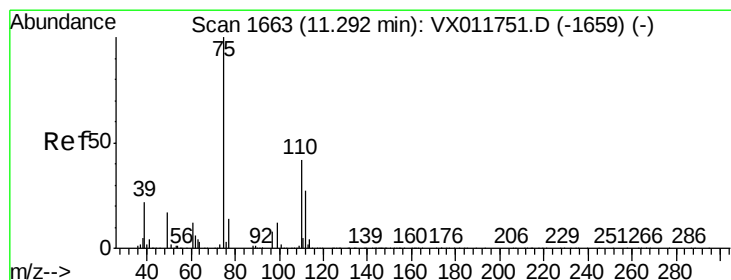
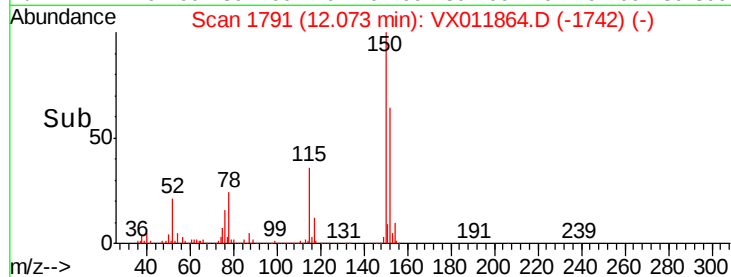
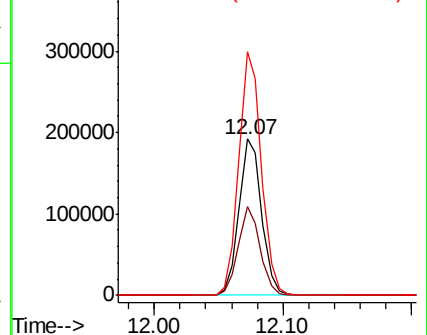
150 155.6 0.0 343.0



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 28.712 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX011864.D

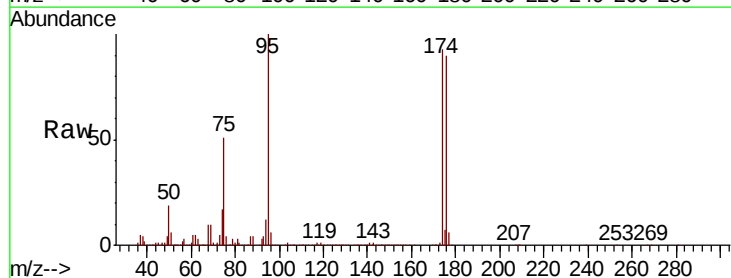
Acq: 27 Aug 2019 20:45

Tgt Ion: 75 Resp: 118927

Ion Ratio Lower Upper

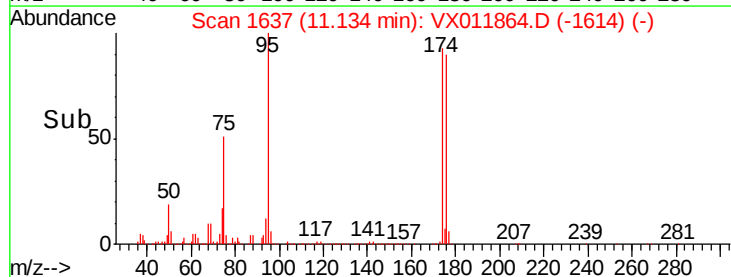
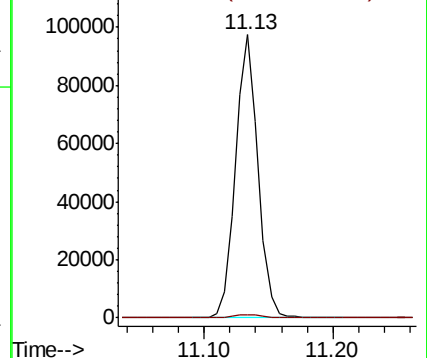
75 100

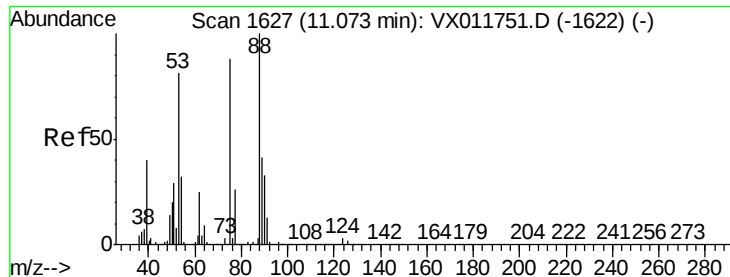
77 1.2 21.1 63.3#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#81

trans-1,4-Dichloro-2-butene

Concen: 86.590 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX011864.D

Acq: 27 Aug 2019 20:45

Instrument :

MSVOA_X

ClientSampleId :

MW-4

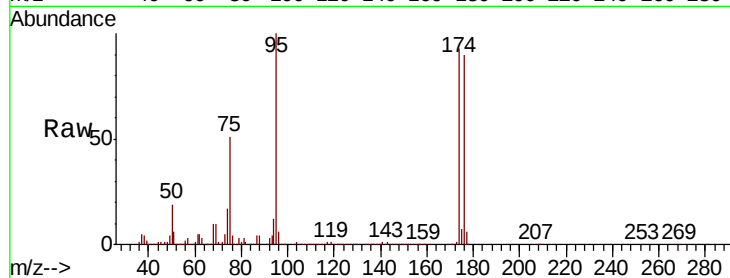
Tgt Ion: 75 Resp: 118927

Ion Ratio Lower Upper

75 100

53 0.1 77.1 115.7#

89 0.1 38.5 57.7#



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

