

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW071018\
 Data File : VW003855.D
 Acq On : 11 Jul 2018 05:56
 Operator : SY/AP
 Sample : J3914-03
 Misc : 4.18G/5ML/MSVOA W/SOIL
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 B2

Quant Time: Jul 11 06:56:03 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W070718S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 07 05:07:25 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	110292	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	156774	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	88311	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	17468	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	46876	32.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	65.00%	
35) Dibromofluoromethane	7.88	113	42396	38.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	77.28%	
50) Toluene-d8	10.33	98	100604	23.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	47.94%	
62) 4-Bromofluorobenzene	12.62	95	16125	10.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	21.24%	

Target Compounds

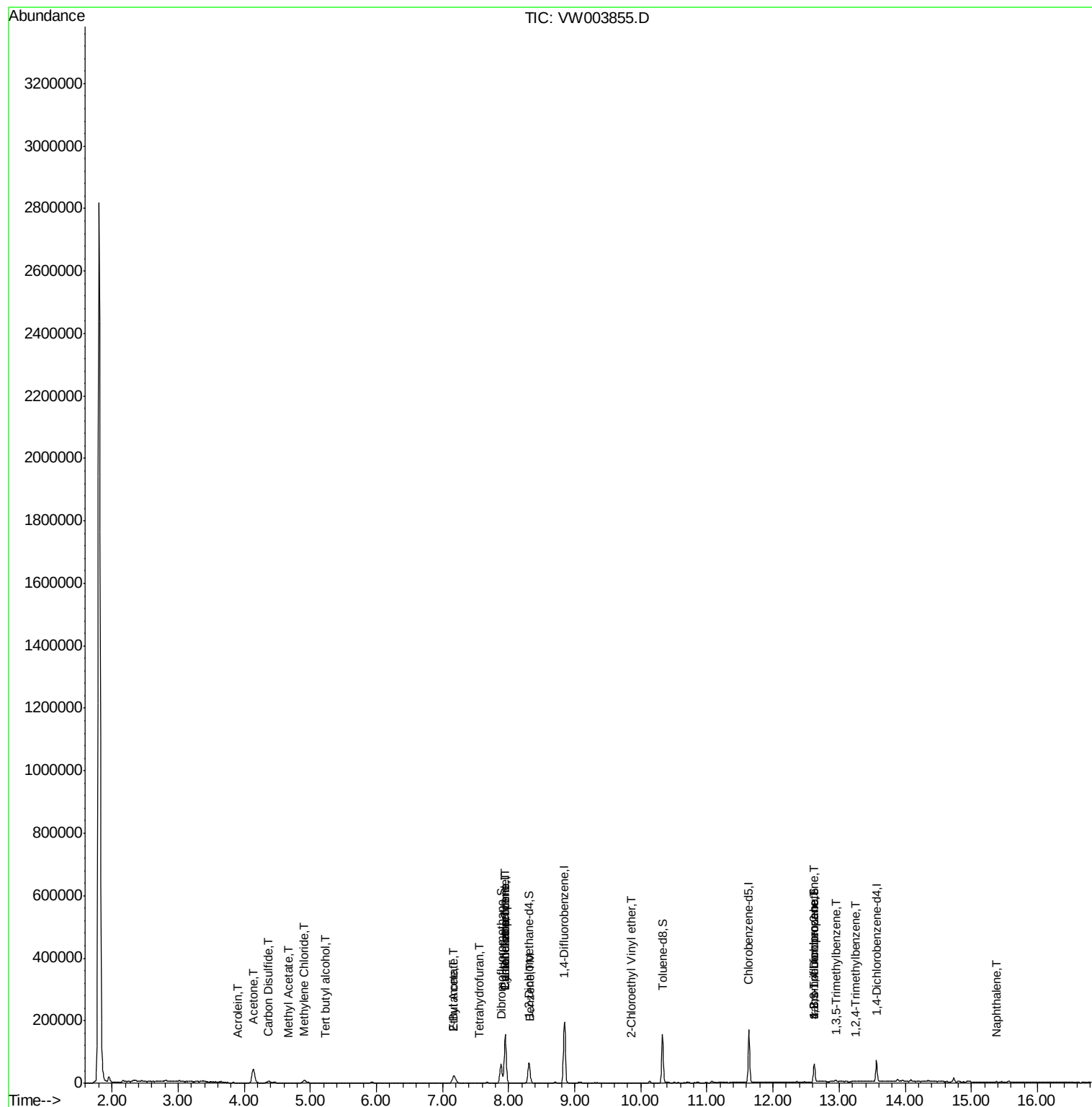
						Qvalue
11) Tert butyl alcohol	5.23	59	1111	14.214	ug/l #	77
13) Acrolein	3.90	56	23	4.916	ug/l #	1
16) Acetone	4.14	43	85057	339.906	ug/l	97
17) Carbon Disulfide	4.37	76	14315	4.214	ug/l #	93
18) Methyl Acetate	4.67	43	1265	1.793	ug/l #	80
20) Methylene Chloride	4.91	84	6765	1.275	ug/l #	89
25) 2-Butanone	7.18	43	24793	63.257	ug/l	94
29) Tetrahydrofuran	7.55	42	411	1.631	ug/l #	50
31) Cyclohexane	7.95	56	3226	1.533	ug/l #	36
36) 1,1-Dichloropropene	7.95	75	9583	5.761	ug/l #	51
37) Ethyl Acetate	7.18	43	24793	30.632	ug/l #	78
38) Carbon Tetrachloride	7.95	117	11321	7.158	ug/l #	16
40) Benzene	8.32	78	11276	2.371	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.86	63	25	13.209	ug/l #	49
76) 1,2,3-Trichloropropane	12.62	75	8790	51.244	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.95	105	1032	1.012	ug/l	96
81) trans-1,4-Dichloro-2-buten	12.62	75	8790	125.355	ug/l #	10
84) 1,2,4-Trimethylbenzene	13.26	105	1340	1.265	ug/l	88
95) Naphthalene	15.38	128	1648	2.544	ug/l #	92

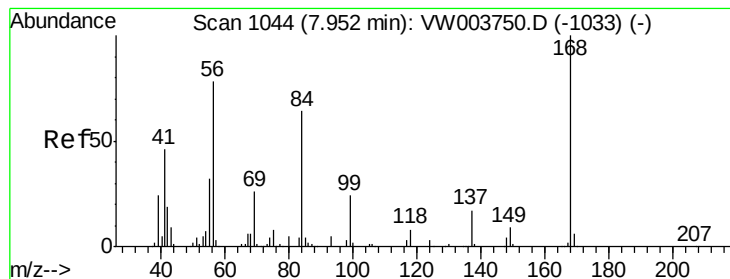
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.00 min

Lab File: VW003855.D

Acq: 11 Jul 2018 05:56

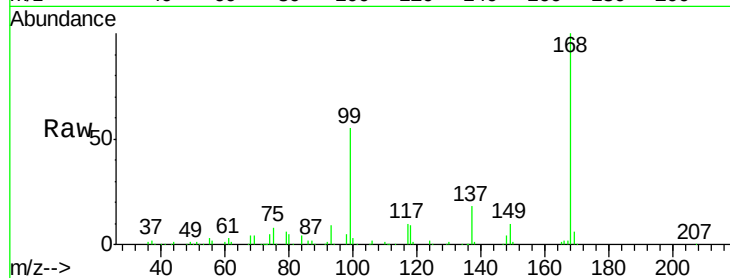
Instrument :
MSVOA_W
ClientSampleId :
B2

Tot Ion:168 Resp: 110292

Ion Ratio Lower Upper

168 100

99 54.5 45.0 67.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

60000

50000

40000

30000

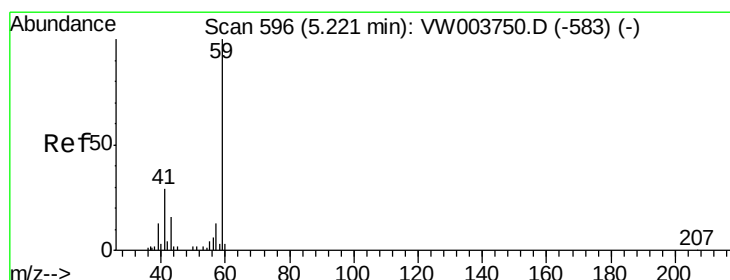
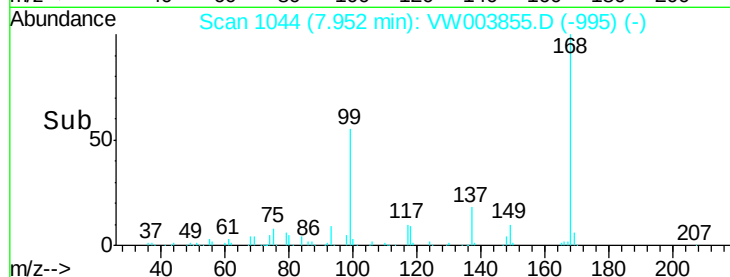
20000

10000

0

Time-->

7.90 8.00



#11

Tert butyl alcohol

Concen: 14.214 ug/l

RT: 5.23 min Scan# 597

Delta R.T. 0.01 min

Lab File: VW003855.D

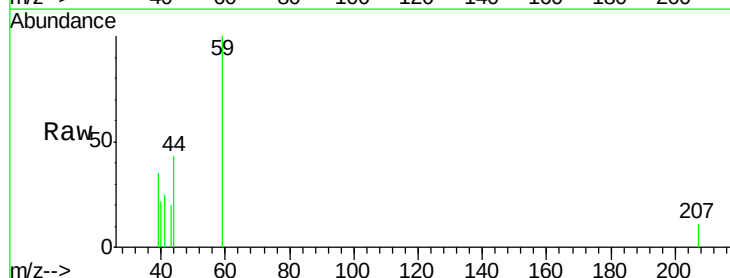
Acq: 11 Jul 2018 05:56

Tgt Ion: 59 Resp: 1111

Ion Ratio Lower Upper

59 100

57 2.6 9.3 13.9#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.23

600

500

400

300

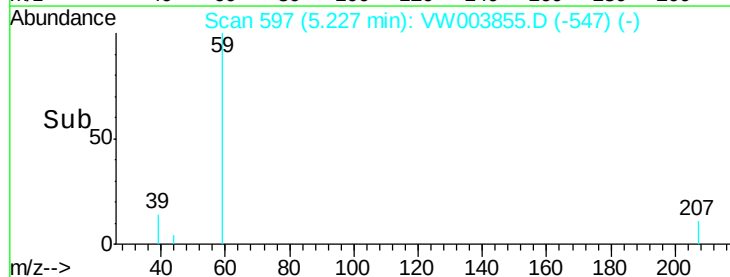
200

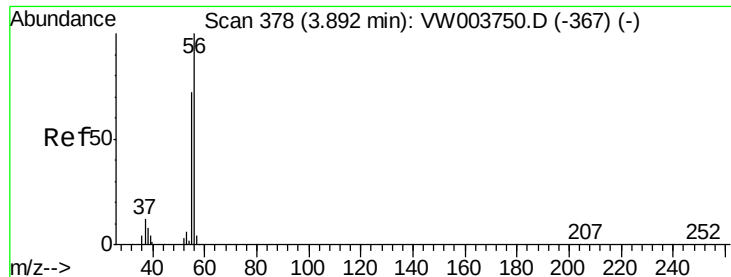
100

0

Time-->

5.20 5.25 5.30





#13

Acrolein

Concen: 4.916 ug/l

RT: 3.90 min Scan# 379

Delta R.T. 0.01 min

Lab File: VW003855.D

Acq: 11 Jul 2018 05:56

Instrument :

MSVOA_W

ClientSampled :

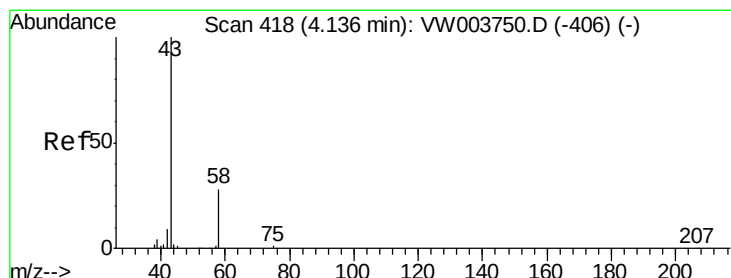
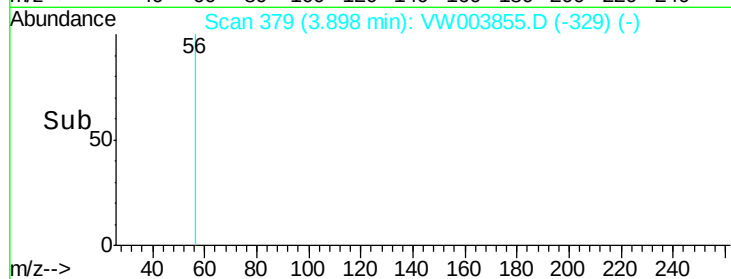
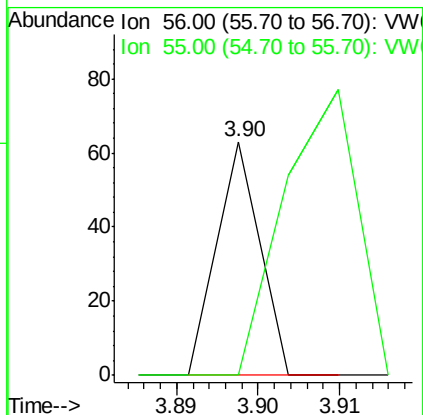
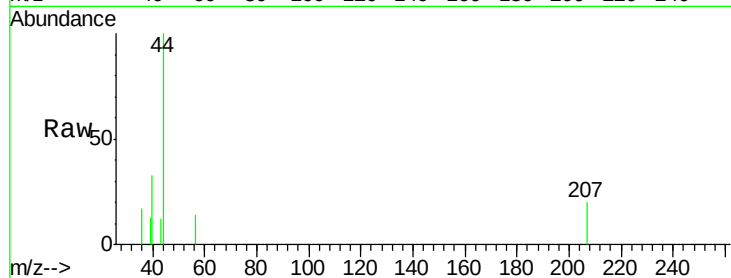
B2

Tot Ion: 56 Resp: 23

Ion Ratio Lower Upper

56 100

55 208.7 57.5 86.3#



#16

Acetone

Concen: 339.906 ug/l

RT: 4.14 min Scan# 418

Delta R.T. -0.00 min

Lab File: VW003855.D

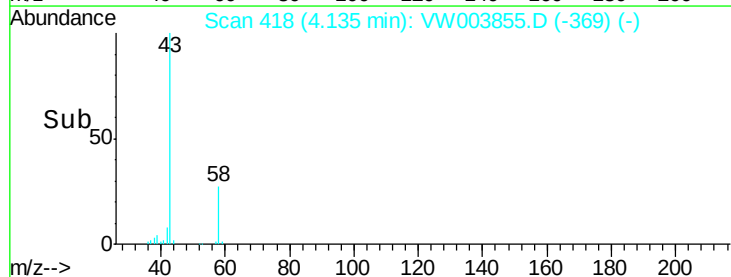
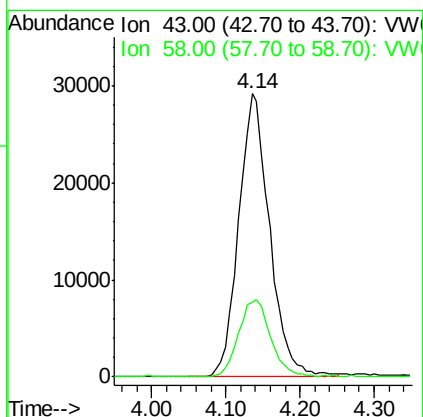
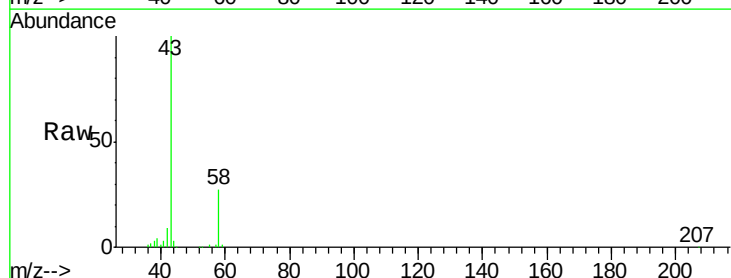
Acq: 11 Jul 2018 05:56

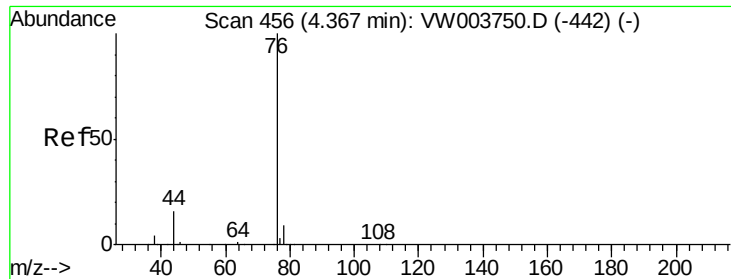
Tgt Ion: 43 Resp: 85057

Ion Ratio Lower Upper

43 100

58 26.6 22.6 34.0

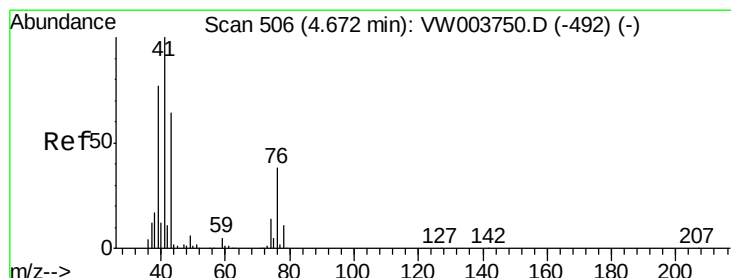
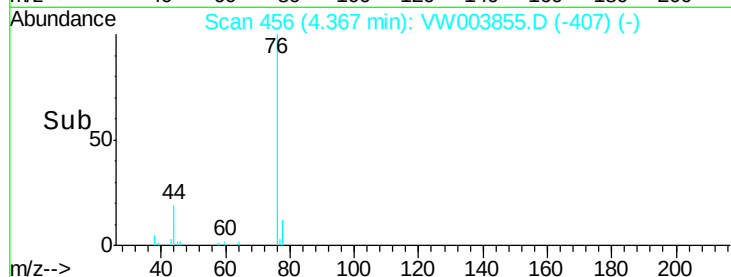
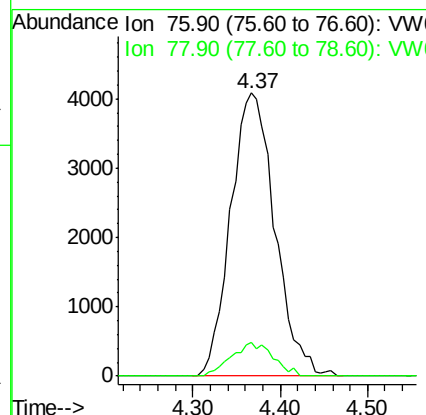
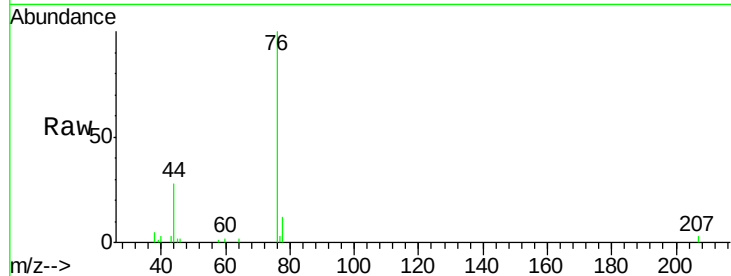




#17
 Carbon Disulfide
 Concen: 4.214 ug/l
 RT: 4.37 min Scan# 456
 Delta R.T. -0.00 min
 Lab File: VW003855.D
 Acq: 11 Jul 2018 05:56

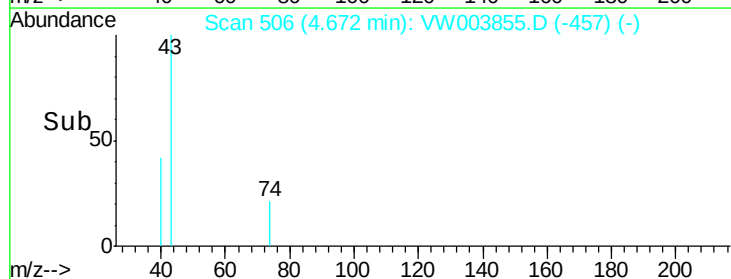
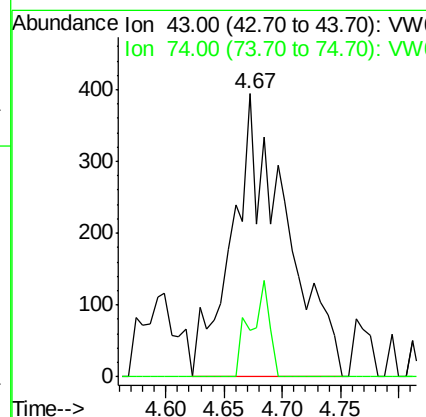
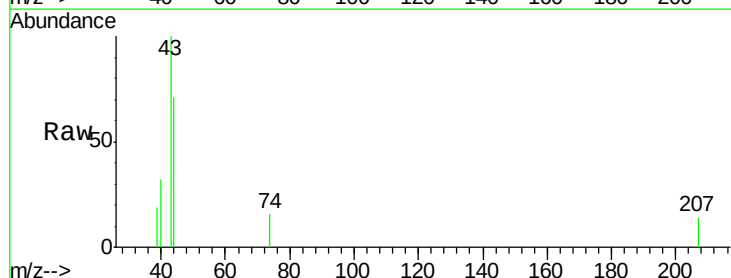
Instrument :
 MSVOA_W
 ClientSampled :
 B2

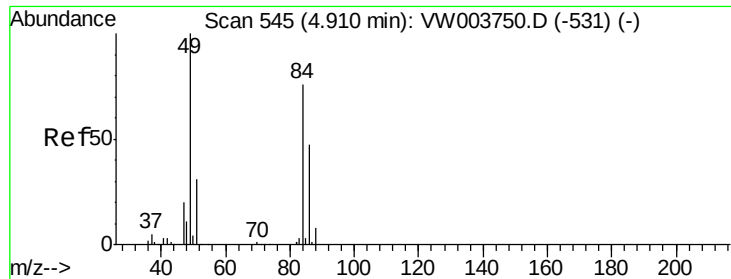
Tot Ion: 76 Resp: 14315
 Ion Ratio Lower Upper
 76 100
 78 12.0 7.4 11.2#



#18
 Methyl Acetate
 Concen: 1.793 ug/l
 RT: 4.67 min Scan# 506
 Delta R.T. -0.00 min
 Lab File: VW003855.D
 Acq: 11 Jul 2018 05:56

Tgt Ion: 43 Resp: 1265
 Ion Ratio Lower Upper
 43 100
 74 12.0 17.3 25.9#

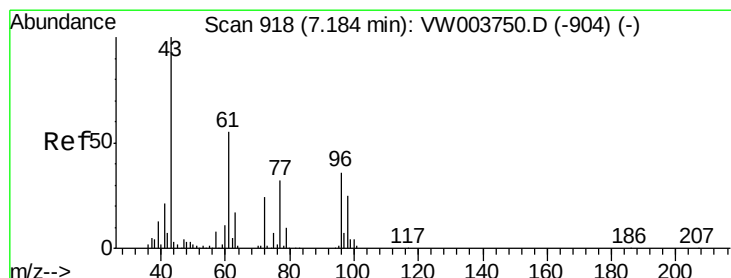
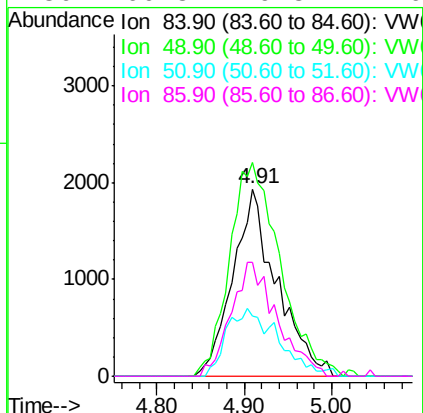
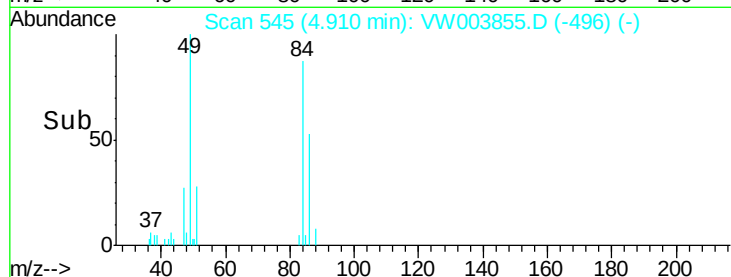
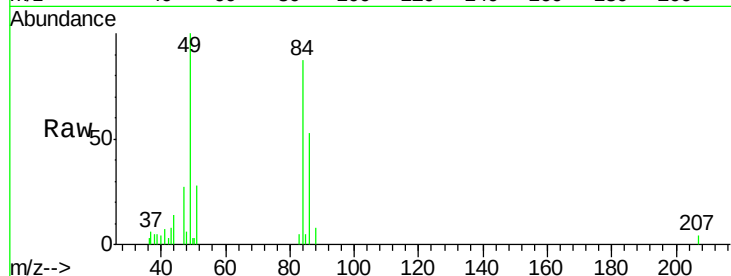




#20
Methvlene Chloride
Concen: 1.275 ug/l
RT: 4.91 min Scan# 545
Delta R.T. 0.00 min
Lab File: VW003855.D
Acq: 11 Jul 2018 05:56

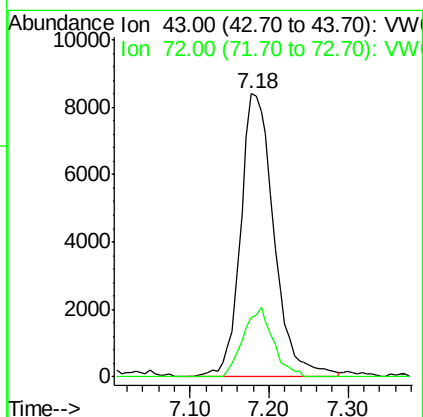
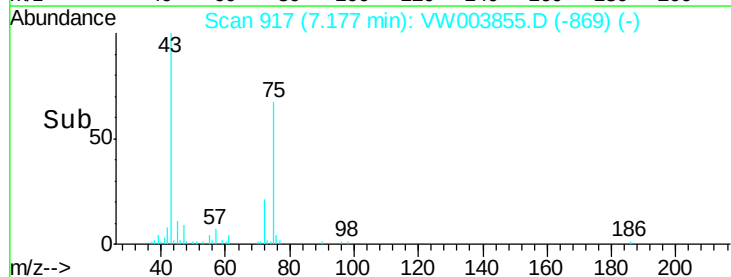
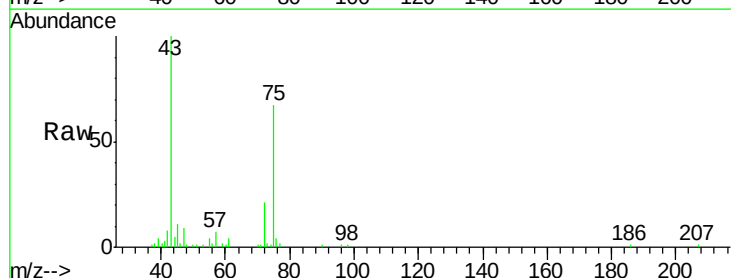
Instrument :
MSVOA_W
ClientSampleId :
B2

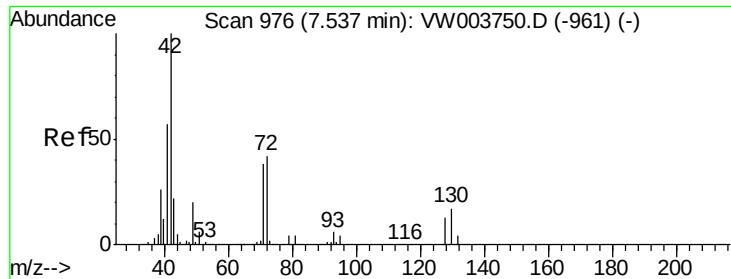
Tot Ion: 84 Resp: 6765
Ion Ratio Lower Upper
84 100
49 114.3 105.1 157.7
51 32.0 32.5 48.7#
86 60.8 49.8 74.6



#25
2-Butanone
Concen: 63.257 ug/l
RT: 7.18 min Scan# 917
Delta R.T. -0.01 min
Lab File: VW003855.D
Acq: 11 Jul 2018 05:56

Tgt Ion: 43 Resp: 24793
Ion Ratio Lower Upper
43 100
72 21.1 19.4 29.2

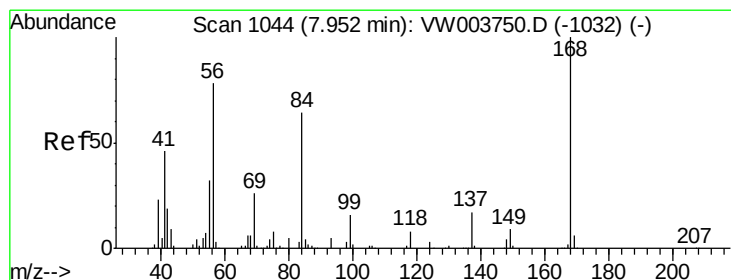
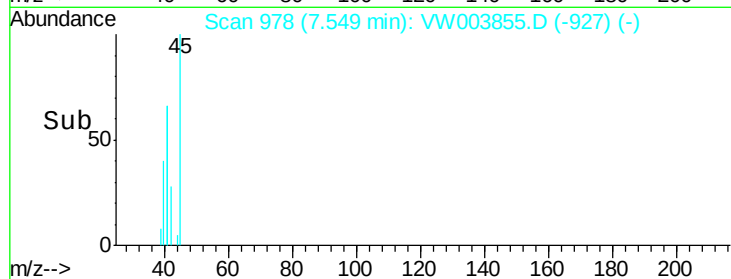
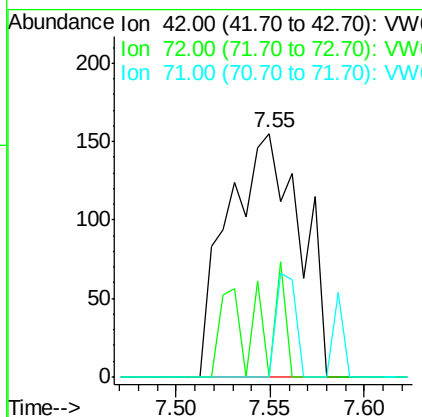
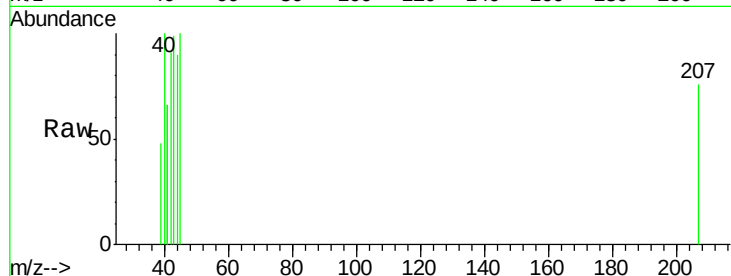




#29
Tetrahydrofuran
Concen: 1.631 ug/l
RT: 7.55 min Scan# 978
Delta R.T. 0.01 min
Lab File: VW003855.D
Acq: 11 Jul 2018 05:56

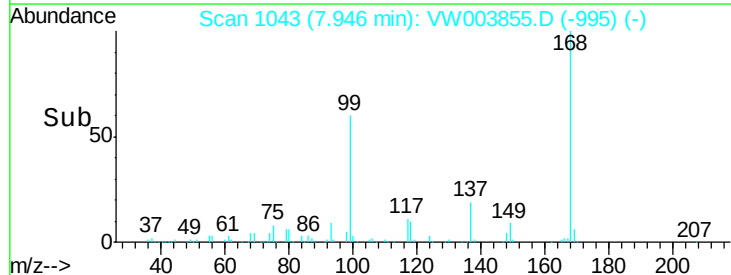
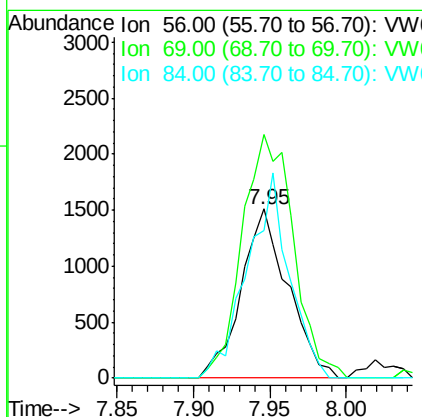
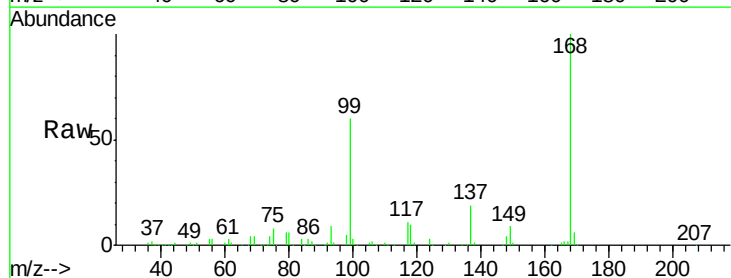
Instrument :
MSVOA_W
ClientSampleId :
B2

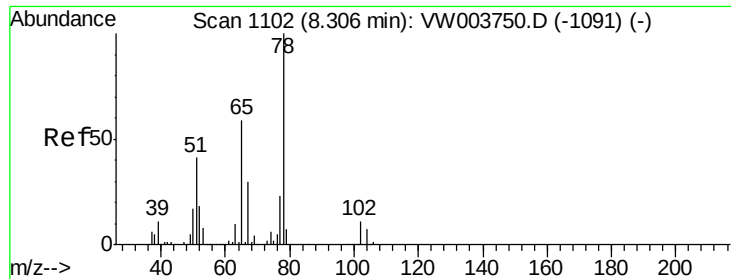
Tot Ion: 42 Resp: 411
Ion Ratio Lower Upper
42 100
72 5.4 31.8 47.8#
71 11.4 30.3 45.5#



#31
Cyclohexane
Concen: 1.533 ug/l
RT: 7.95 min Scan# 1043
Delta R.T. -0.01 min
Lab File: VW003855.D
Acq: 11 Jul 2018 05:56

Tgt Ion: 56 Resp: 3226
Ion Ratio Lower Upper
56 100
69 143.9 26.2 39.4#
84 91.0 65.5 98.3

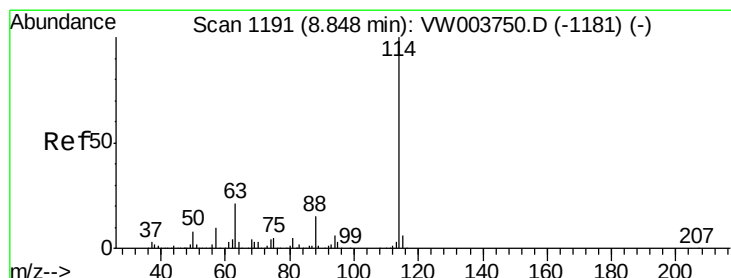
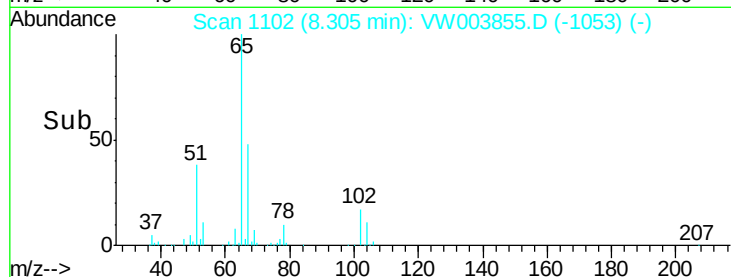
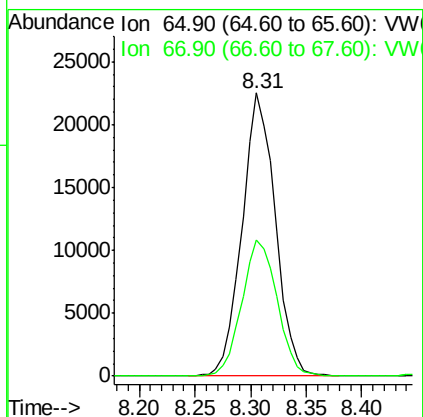
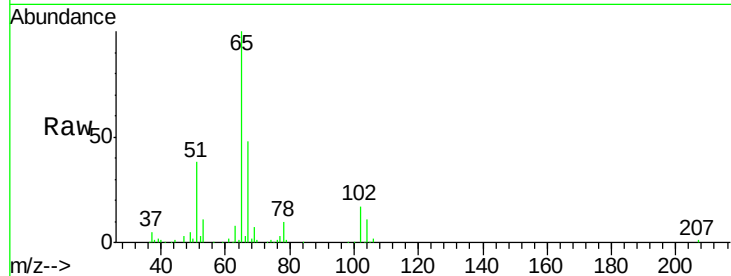




#33
 1,2-Dichloroethane-d4
 Concen: 32.501 ug/l
 RT: 8.31 min Scan# 1102
 Delta R.T. -0.00 min
 Lab File: VW003855.D
 Acq: 11 Jul 2018 05:56

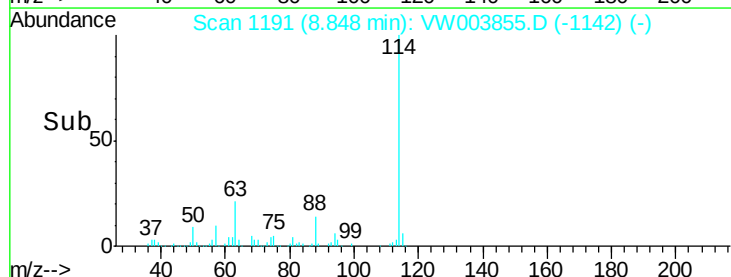
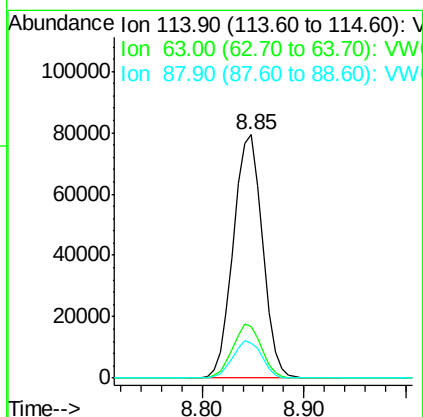
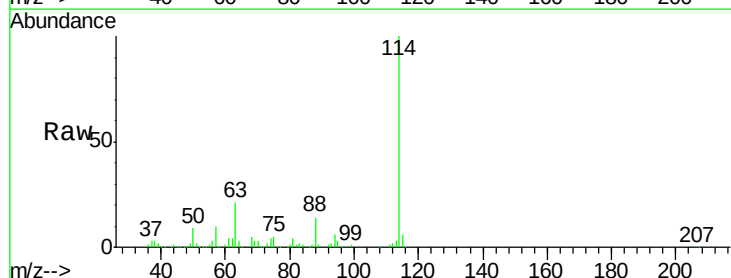
Instrument :
 MSVOA_W
 ClientSampled :
 B2

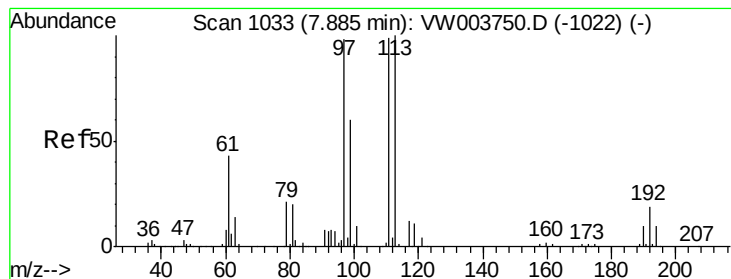
Tot Ion: 65 Resp: 46876
 Ion Ratio Lower Upper
 65 100
 67 51.0 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1191
 Delta R.T. -0.00 min
 Lab File: VW003855.D
 Acq: 11 Jul 2018 05:56

Tgt Ion: 114 Resp: 156774
 Ion Ratio Lower Upper
 114 100
 63 21.1 0.0 41.8
 88 14.5 0.0 30.2





#35

Dibromofluoromethane

Concen: 38.639 ug/l

RT: 7.88 min Scan# 1033

Delta R.T. -0.00 min

Lab File: VW003855.D

Acq: 11 Jul 2018 05:56

Instrument :

MSVOA_W

ClientSampleId :

B2

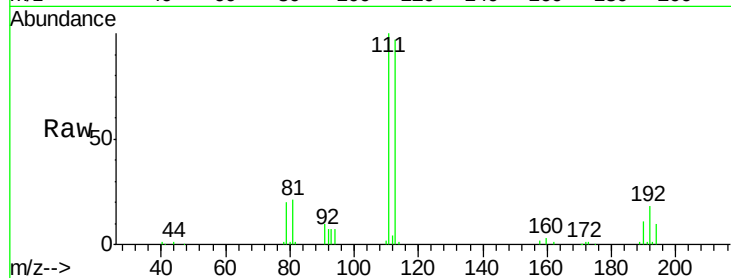
Tot Ion:113 Resp: 42396

Ion Ratio Lower Upper

113 100

111 103.8 81.7 122.5

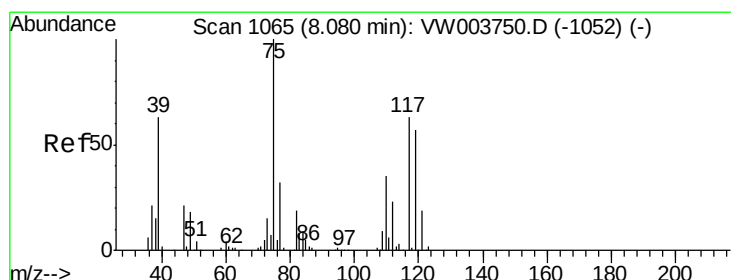
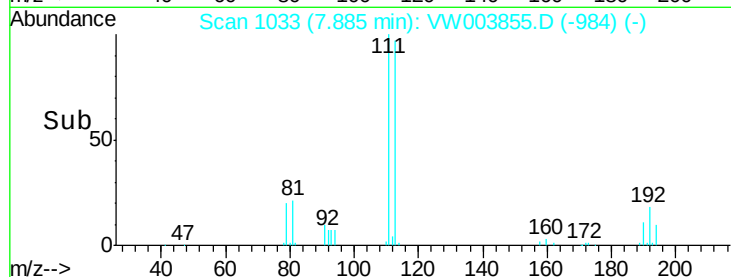
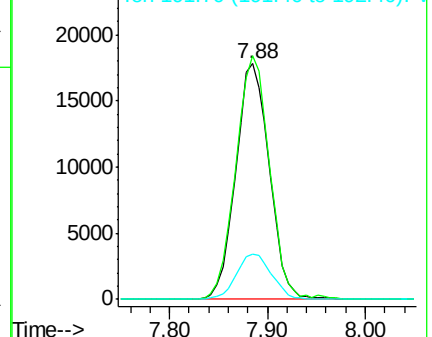
192 19.9 15.8 23.8



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: 5.761 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.13 min

Lab File: VW003855.D

Acq: 11 Jul 2018 05:56

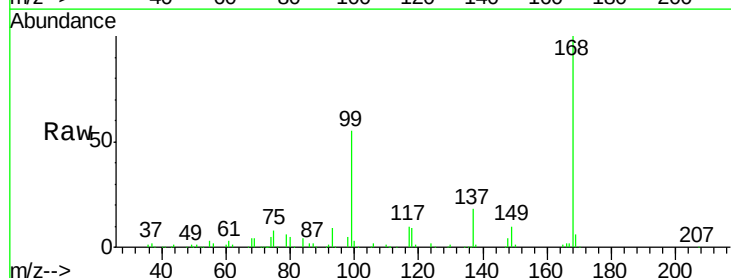
Tgt Ion: 75 Resp: 9583

Ion Ratio Lower Upper

75 100

110 9.7 16.9 50.6#

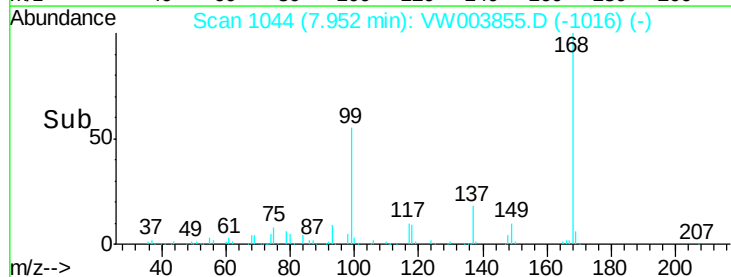
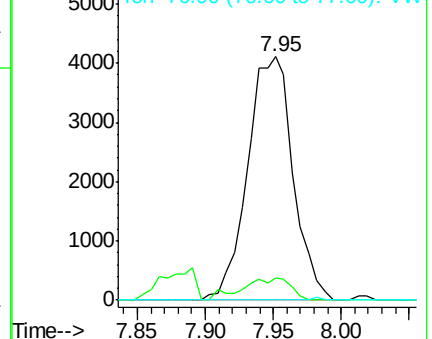
77 0.0 24.8 37.2#

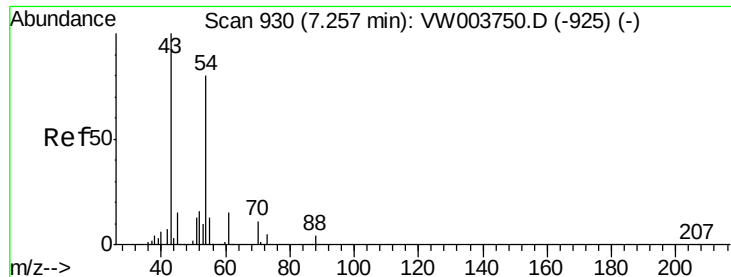


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

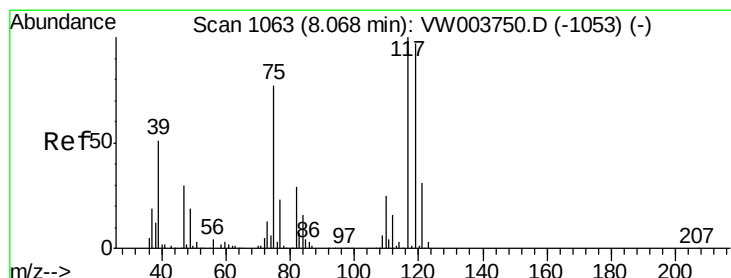
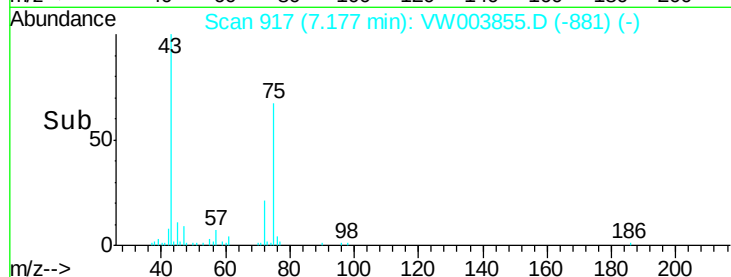
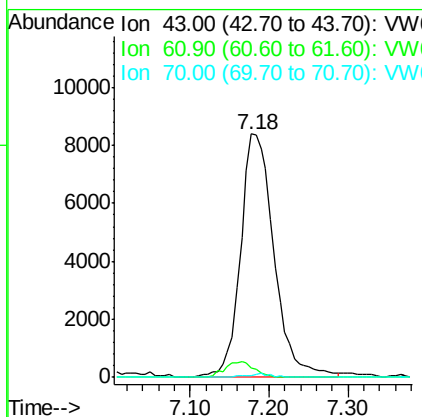
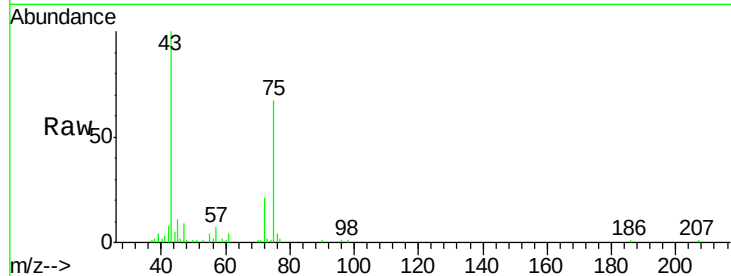




#37
Ethyl Acetate
Concen: 30.632 ug/l
RT: 7.18 min Scan# 917
Delta R.T. -0.08 min
Lab File: VW003855.D
Acq: 11 Jul 2018 05:56

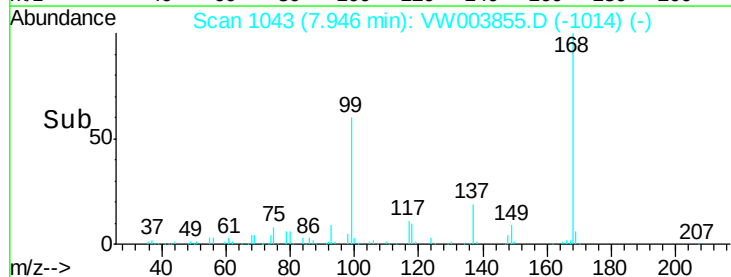
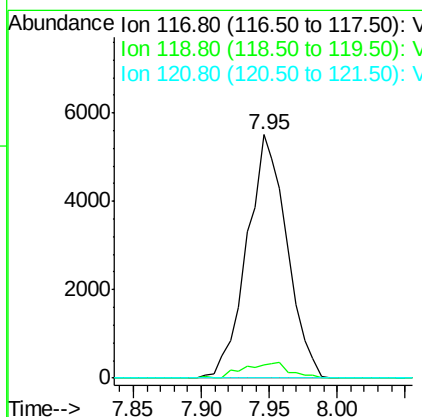
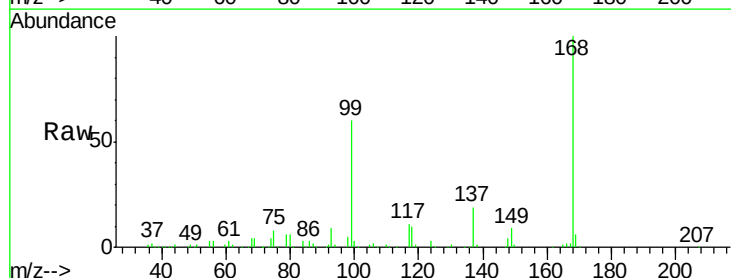
Instrument :
MSVOA_W
ClientSampled :
B2

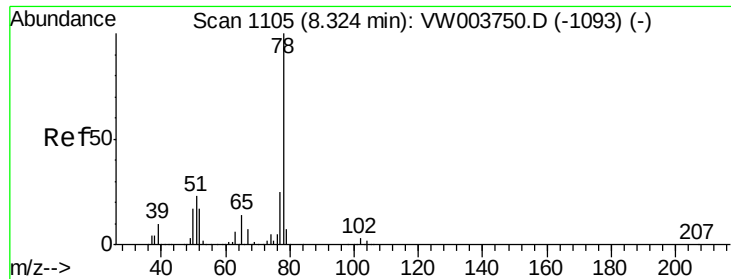
Tot Ion: 43 Resp: 24793
Ion Ratio Lower Upper
43 100
61 5.7 10.6 15.8#
70 0.0 7.5 11.3#



#38
Carbon Tetrachloride
Concen: 7.158 ug/l
RT: 7.95 min Scan# 1043
Delta R.T. -0.12 min
Lab File: VW003855.D
Acq: 11 Jul 2018 05:56

Tgt Ion: 117 Resp: 11321
Ion Ratio Lower Upper
117 100
119 5.7 77.4 116.2#
121 0.0 24.6 37.0#

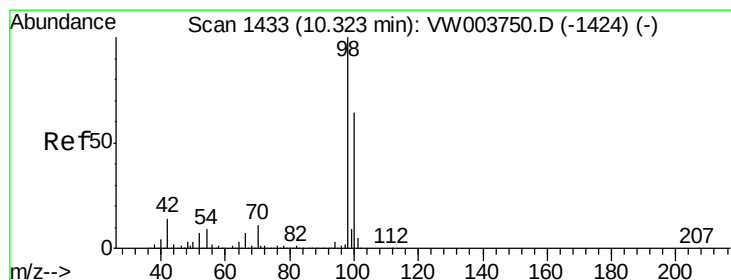
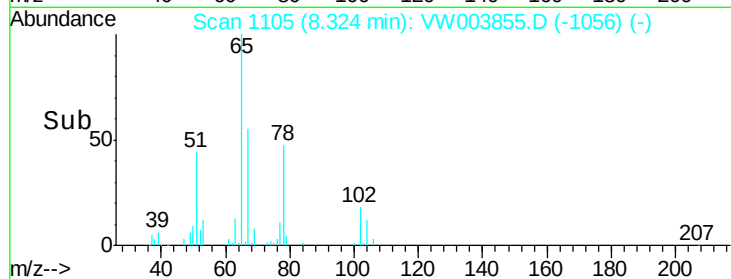
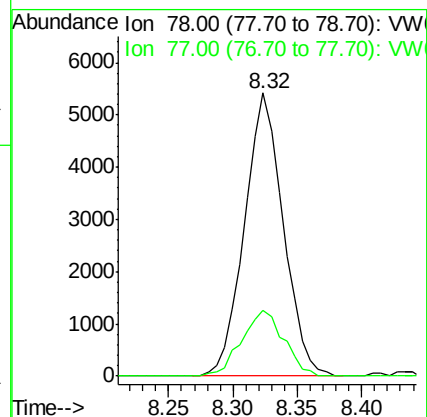
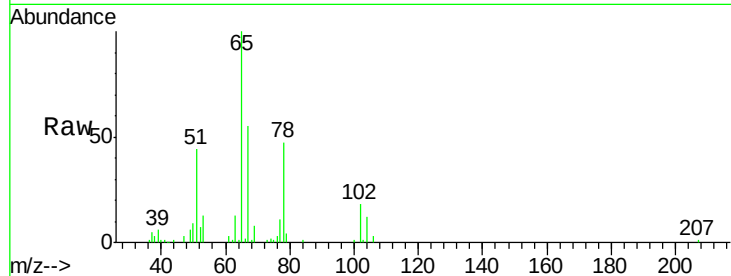




#40
Benzene
Concen: 2.371 ug/l
RT: 8.32 min Scan# 1105
Delta R.T. -0.00 min
Lab File: VW003855.D
Acq: 11 Jul 2018 05:56

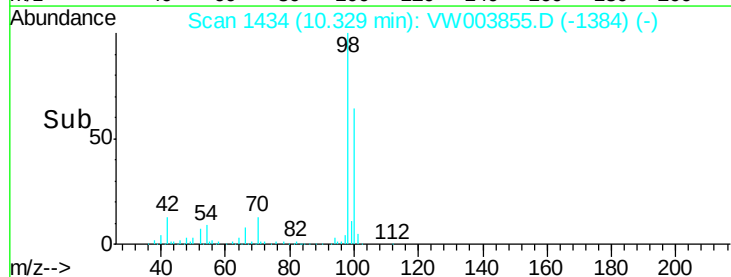
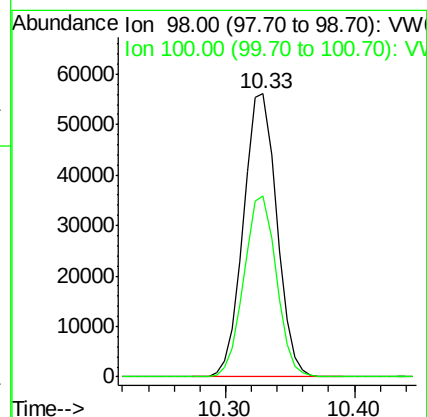
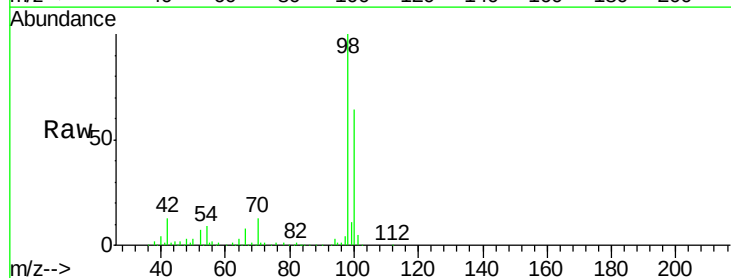
Instrument :
MSVOA_W
ClientSampled :
B2

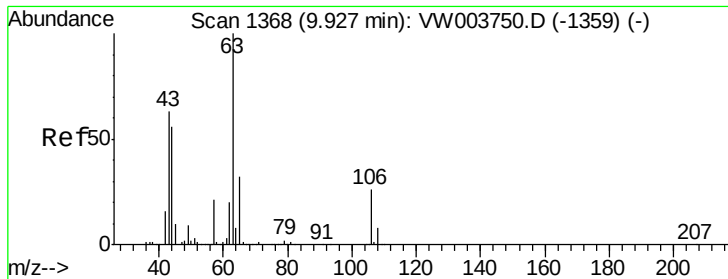
Tot Ion: 78 Resp: 11276
Ion Ratio Lower Upper
78 100
77 23.1 19.7 29.5



#50
Toluene-d8
Concen: 23.969 ug/l
RT: 10.33 min Scan# 1434
Delta R.T. 0.01 min
Lab File: VW003855.D
Acq: 11 Jul 2018 05:56

Tgt Ion: 98 Resp: 100604
Ion Ratio Lower Upper
98 100
100 62.0 50.8 76.2

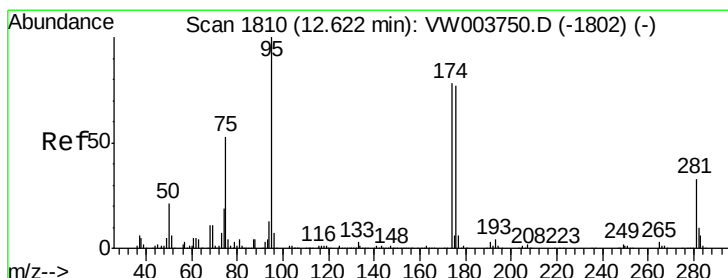
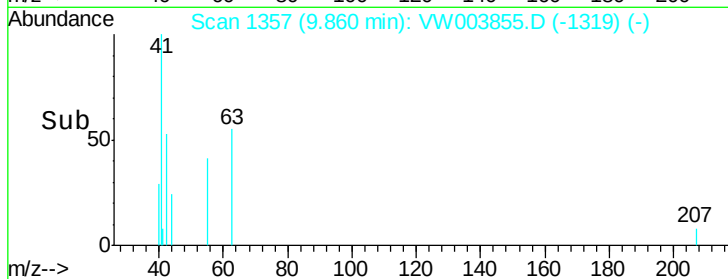
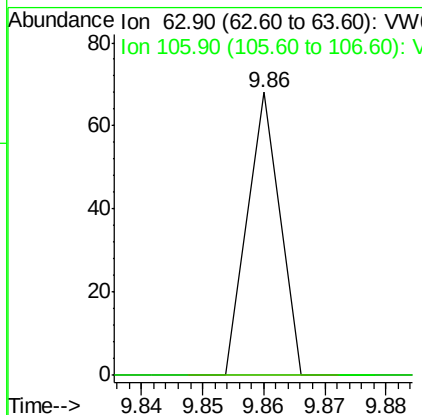
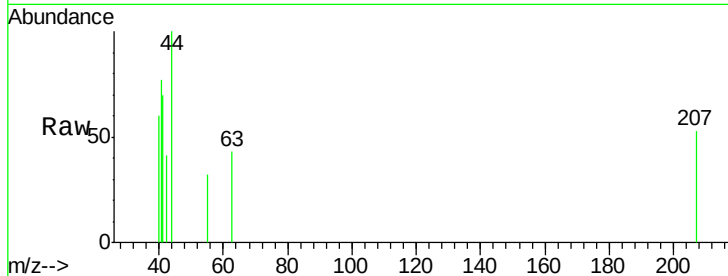




#58
 2-Chloroethyl Vinyl ether
 Concen: 13.209 ug/l
 RT: 9.86 min Scan# 1357
 Delta R.T. -0.07 min
 Lab File: VW003855.D
 Acq: 11 Jul 2018 05:56

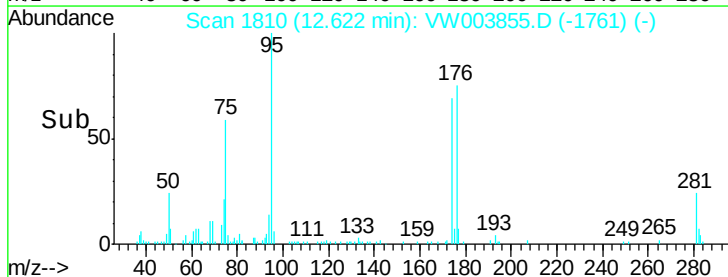
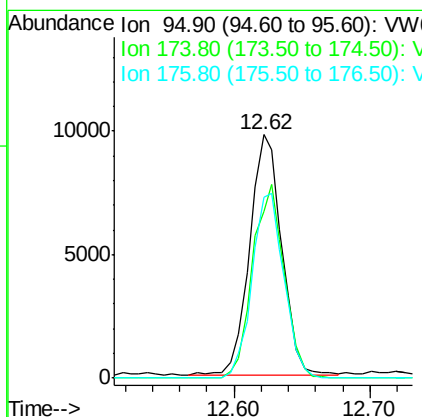
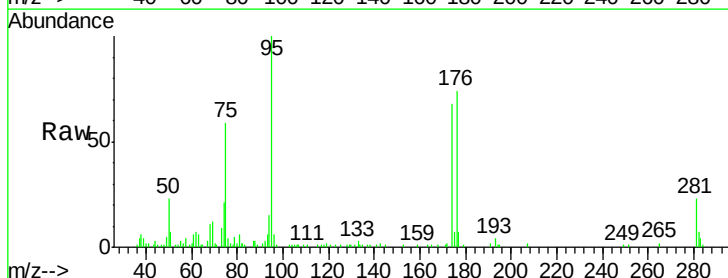
Instrument :
 MSVOA_W
 ClientSampleId :
 B2

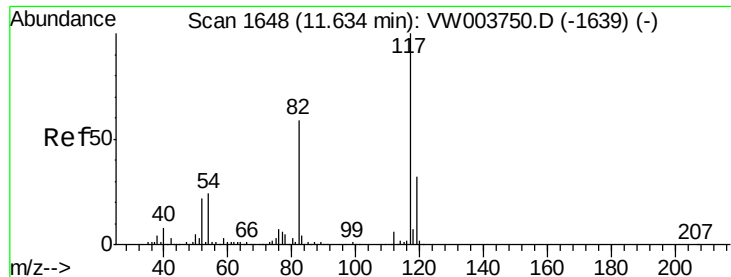
Tot Ion: 63 Resp: 25
 Ion Ratio Lower Upper
 63 100
 106 0.0 20.9 31.3#



#62
 4-Bromofluorobenzene
 Concen: 10.618 ug/l
 RT: 12.62 min Scan# 1810
 Delta R.T. -0.00 min
 Lab File: VW003855.D
 Acq: 11 Jul 2018 05:56

Tgt Ion: 95 Resp: 16125
 Ion Ratio Lower Upper
 95 100
 174 78.8 0.0 163.4
 176 76.1 0.0 156.8

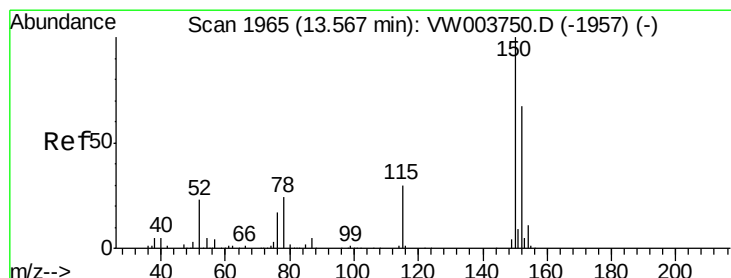
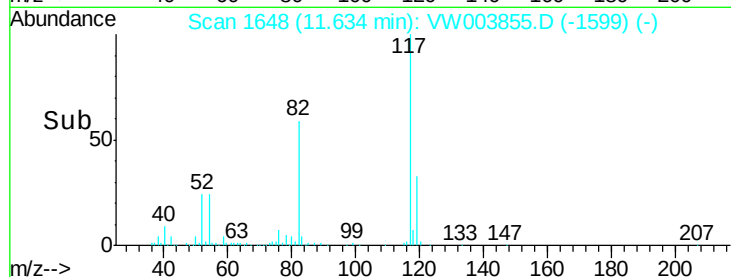
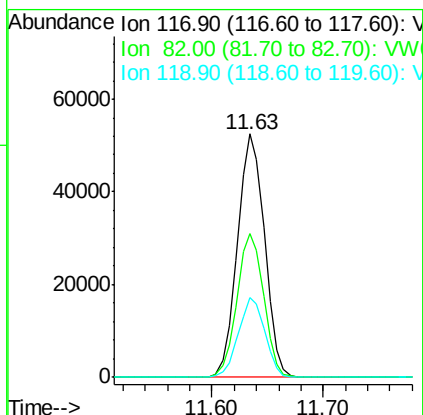
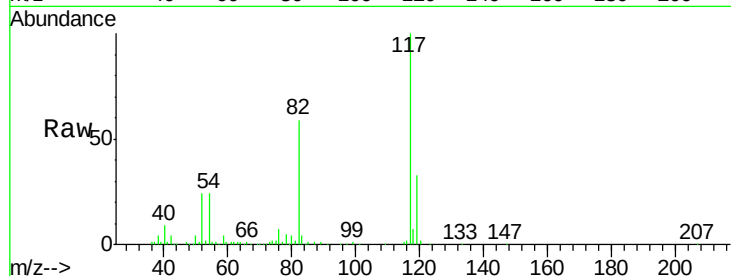




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. -0.00 min
Lab File: VW003855.D
Acq: 11 Jul 2018 05:56

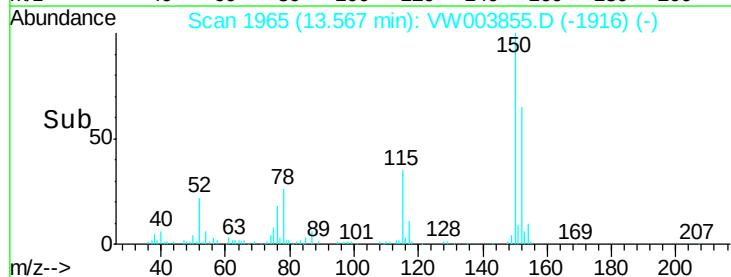
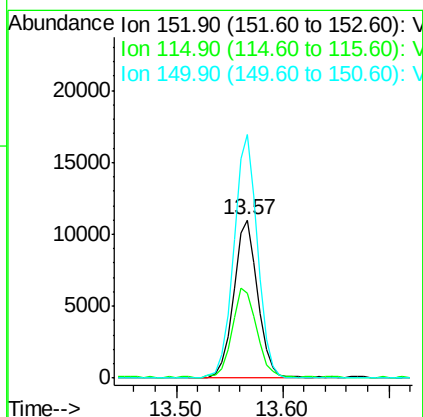
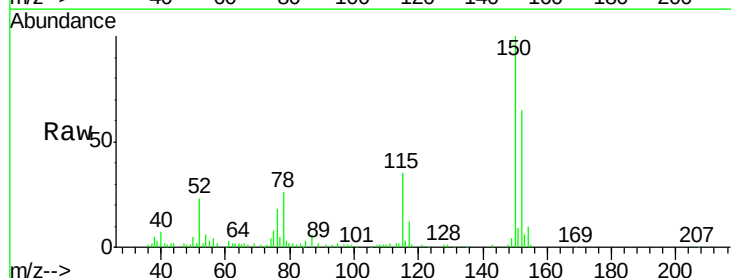
Instrument :
MSVOA_W
ClientSampleId :
B2

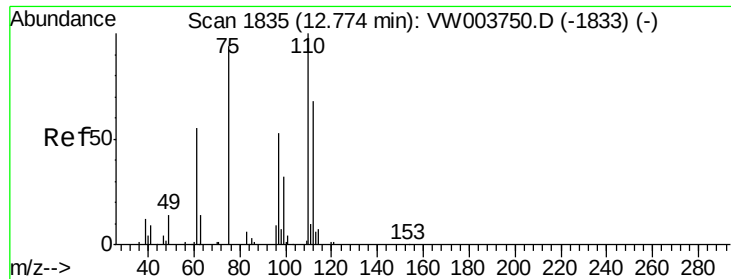
Tot Ion:117 Resp: 88311
Ion Ratio Lower Upper
117 100
82 59.1 46.9 70.3
119 32.5 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1965
Delta R.T. -0.00 min
Lab File: VW003855.D
Acq: 11 Jul 2018 05:56

Tgt Ion:152 Resp: 17468
Ion Ratio Lower Upper
152 100
115 59.3 28.9 86.8
150 150.6 0.0 342.4





#76

1,2,3-Trichloropropane

Concen: 51.244 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. -0.15 min

Lab File: VW003855.D

Acq: 11 Jul 2018 05:56

Instrument :

MSVOA_W

ClientSampled :

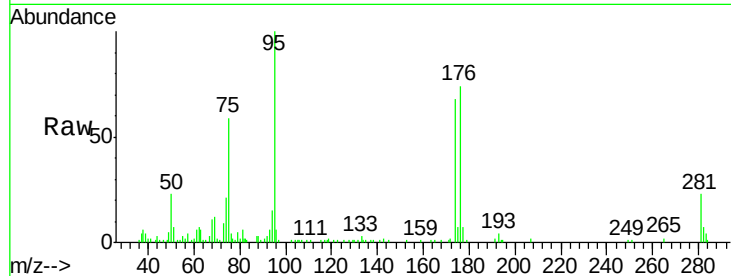
B2

Tot Ion: 75 Resp: 8790

Ion Ratio Lower Upper

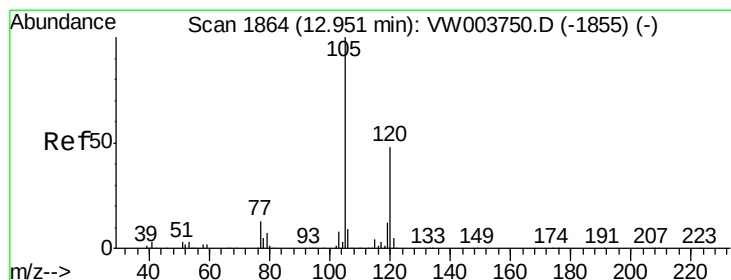
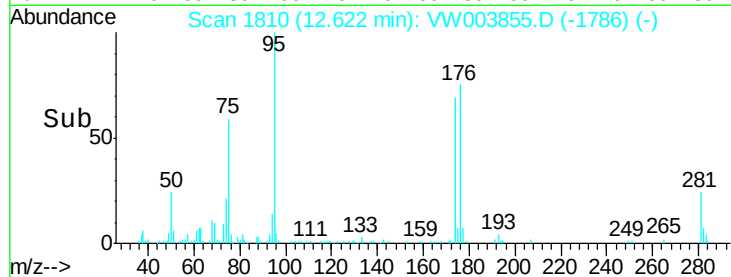
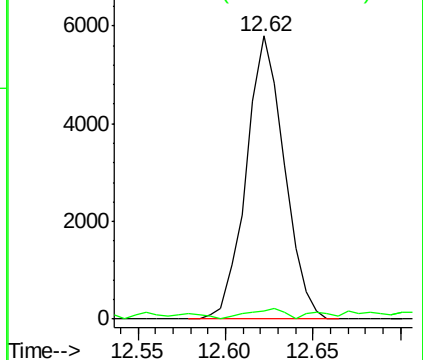
75 100

77 3.5 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW



#80

1,3,5-Trimethylbenzene

Concen: 1.012 ug/l

RT: 12.95 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VW003855.D

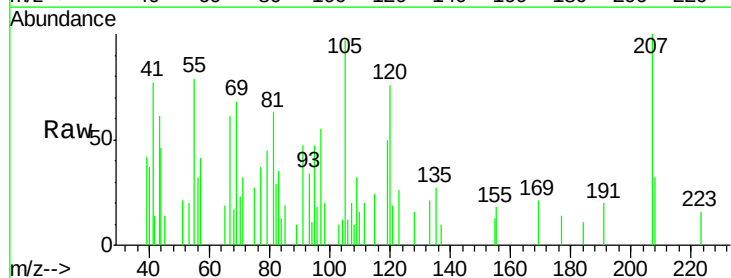
Acq: 11 Jul 2018 05:56

Tgt Ion: 105 Resp: 1032

Ion Ratio Lower Upper

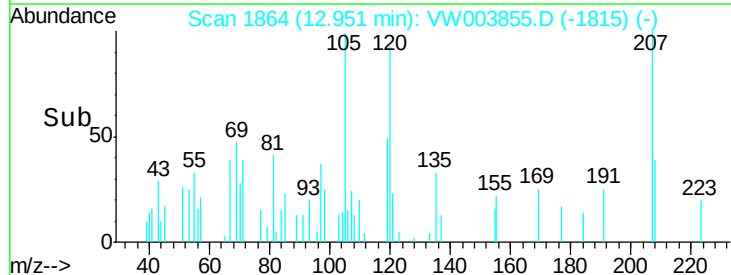
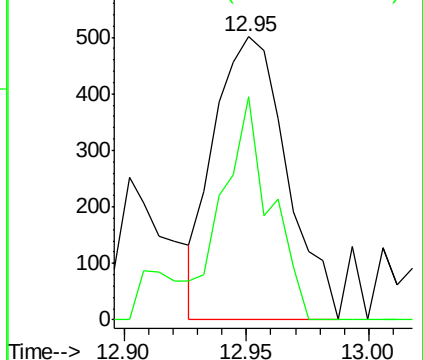
105 100

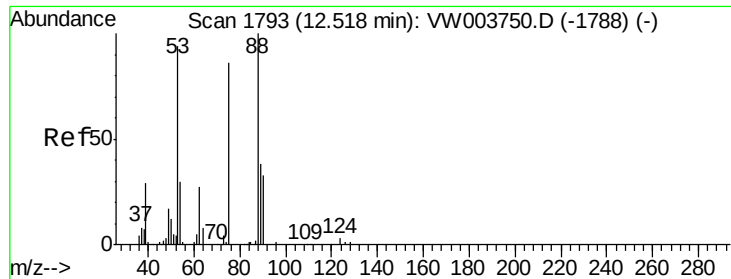
120 51.3 24.2 72.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 125.355 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. 0.10 min

Lab File: VW003855.D

Acq: 11 Jul 2018 05:56

Instrument :

MSVOA_W

ClientSampleId :

B2

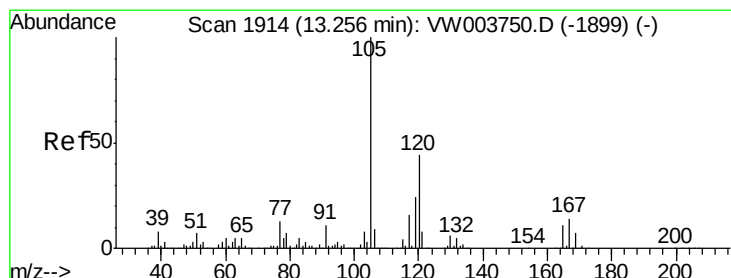
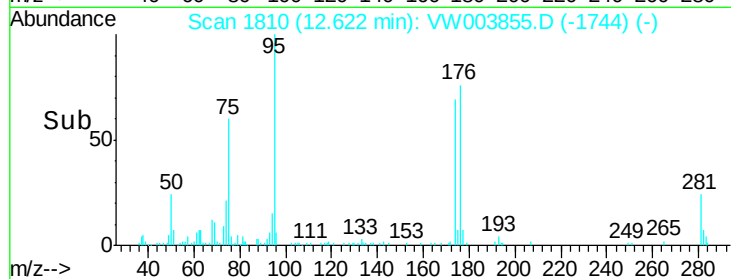
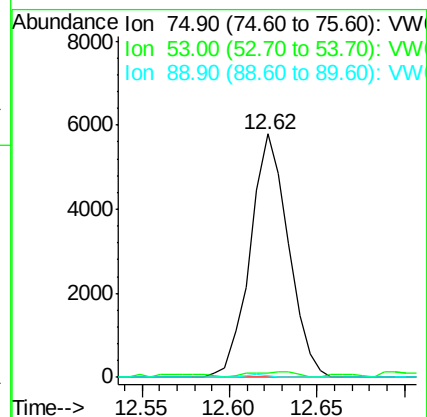
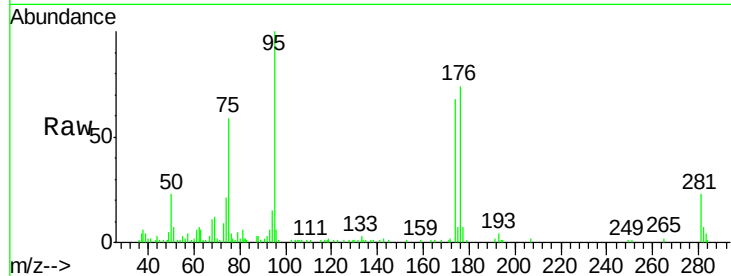
Tot Ion: 75 Resp: 8790

Ion Ratio Lower Upper

75 100

53 2.7 85.0 127.6#

89 0.8 36.3 54.5#



#84

1,2,4-Trimethylbenzene

Concen: 1.265 ug/l

RT: 13.26 min Scan# 1914

Delta R.T. -0.00 min

Lab File: VW003855.D

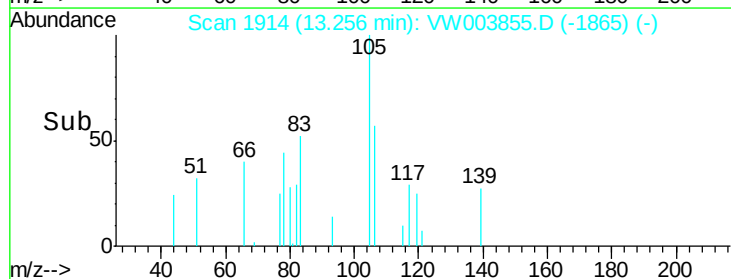
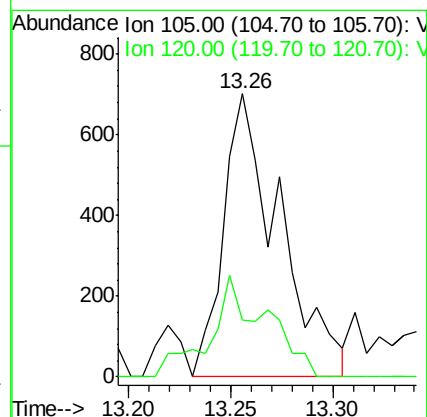
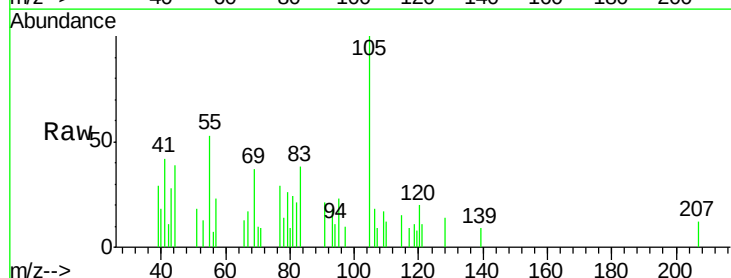
Acq: 11 Jul 2018 05:56

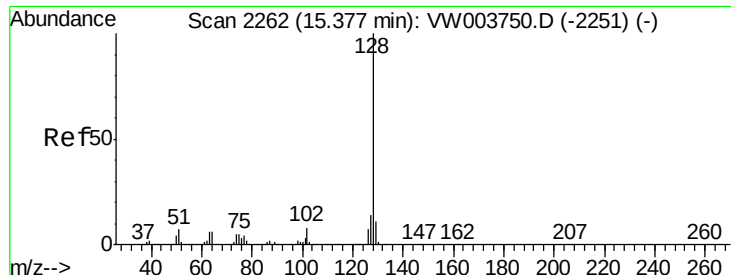
Tgt Ion: 105 Resp: 1340

Ion Ratio Lower Upper

105 100

120 36.1 22.0 66.0





#95

Naphthalene

Concen: 2.544 ug/l

RT: 15.38 min Scan# 2262

Delta R.T. -0.00 min

Lab File: VW003855.D

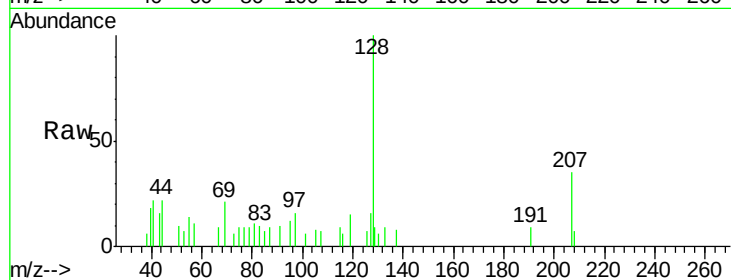
Acq: 11 Jul 2018 05:56

Instrument :

MSVOA_W

ClientSampleId :

B2



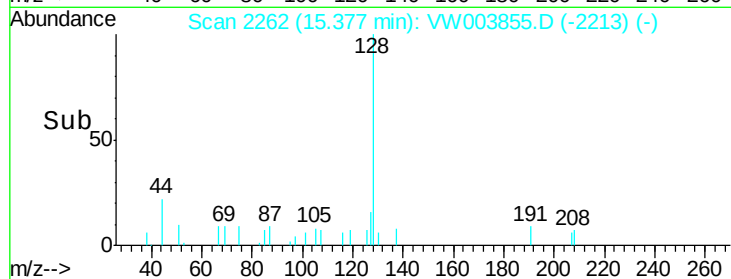
Tot Ion:128 Resp: 1648

Ion Ratio Lower Upper

128 100

127 12.0 10.8 16.2

129 15.7 8.6 13.0#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

