

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW071118\
 Data File : VW003875.D
 Acq On : 11 Jul 2018 20:33
 Operator : SY/AP
 Sample : J3877-01RE
 Misc : 5.02G/5ML/MSVOA W/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jul 12 01:55:43 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	176148	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	320561	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	256074	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	85949	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	133526	57.97	ug/l	0.00
Spiked Amount			Recovery	=	115.94%	
35) Dibromofluoromethane	7.88	113	109729	48.91	ug/l	0.00
Spiked Amount			Recovery	=	97.82%	
50) Toluene-d8	10.33	98	349545	40.73	ug/l	0.00
Spiked Amount			Recovery	=	81.46%	
62) 4-Bromofluorobenzene	12.62	95	103569	33.35	ug/l	0.00
Spiked Amount			Recovery	=	66.70%	

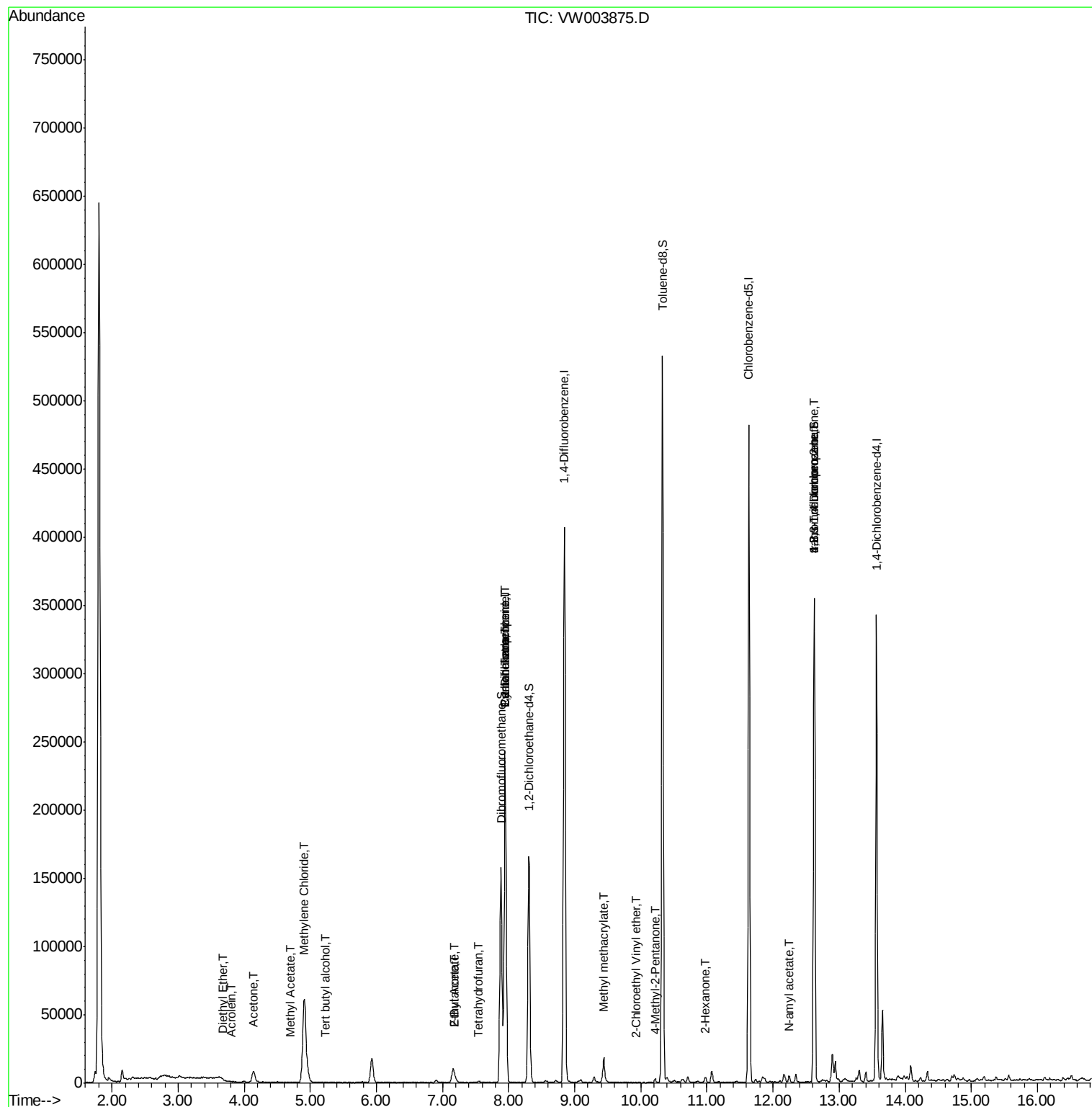
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.68	74	1029	1.159	ug/l #	44
11) Tert butyl alcohol	5.23	59	580	4.646	ug/l #	70
13) Acrolein	3.81	56	20	4.837	ug/l #	14
16) Acetone	4.14	43	15706	39.299	ug/l	99
18) Methyl Acetate	4.68	43	1203	1.068	ug/l #	54
20) Methylene Chloride	4.91	84	54508	25.870	ug/l	97
25) 2-Butanone	7.18	43	5526	8.828	ug/l #	89
29) Tetrahydrofuran	7.54	42	676	1.680	ug/l #	53
31) Cyclohexane	7.95	56	4817	1.433	ug/l #	16
36) 1,1-Dichloropropene	7.95	75	15248	4.483	ug/l #	50
37) Ethyl Acetate	7.18	43	5526	3.339	ug/l #	88
38) Carbon Tetrachloride	7.95	117	17695	5.472	ug/l #	17
48) Methyl methacrylate	9.44	41	9949	6.660	ug/l	90
51) 4-Methyl-2-Pentanone	10.21	43	2034	1.253	ug/l	94
58) 2-Chloroethyl Vinyl ether	9.93	63	27	13.189	ug/l #	49
59) 2-Hexanone	10.97	43	2975	2.669	ug/l	81
74) N-amyl acetate	12.24	43	3209	2.034	ug/l #	55
76) 1,2,3-Trichloropropane	12.62	75	57253	67.835	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	57253	165.940	ug/l #	8

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. 0.00 min

Lab File: VW003875.D

Acq: 11 Jul 2018 20:33

Instrument :

MSVOA_W

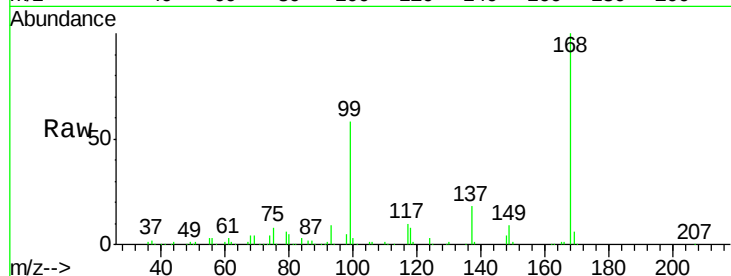
ClientSampled :

Tot Ion:168 Resp: 176148

Ion Ratio Lower Upper

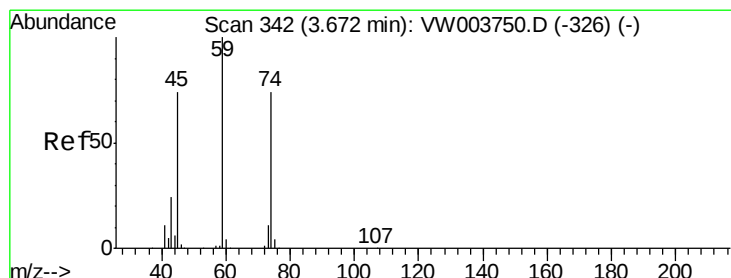
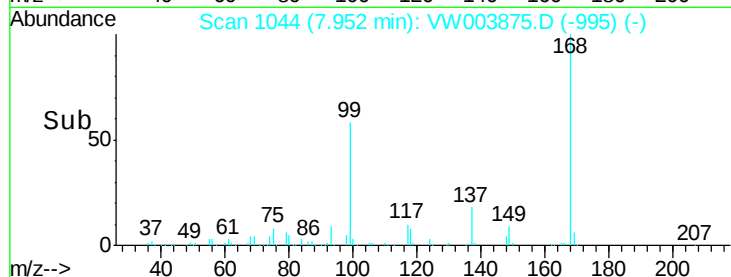
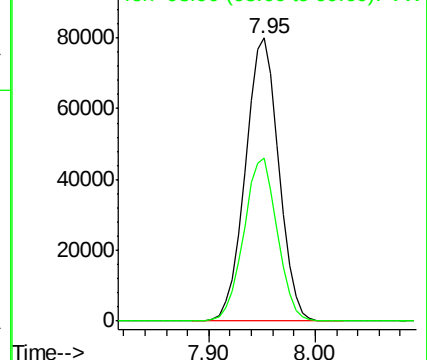
168 100

99 57.7 45.0 67.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#8

Diethyl Ether

Concen: 1.159 ug/l

RT: 3.68 min Scan# 343

Delta R.T. 0.01 min

Lab File: VW003875.D

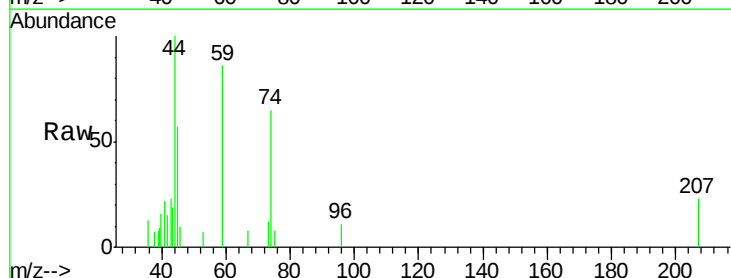
Acq: 11 Jul 2018 20:33

Tgt Ion: 74 Resp: 1029

Ion Ratio Lower Upper

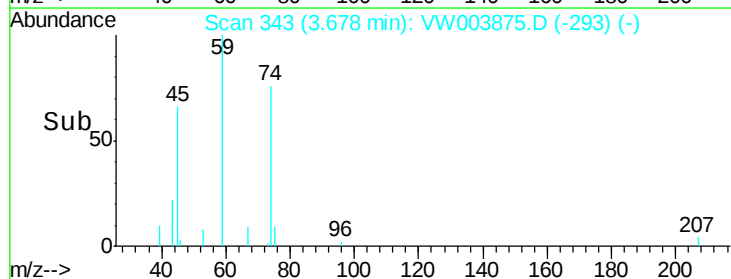
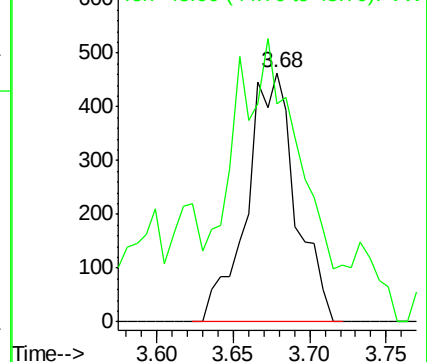
74 100

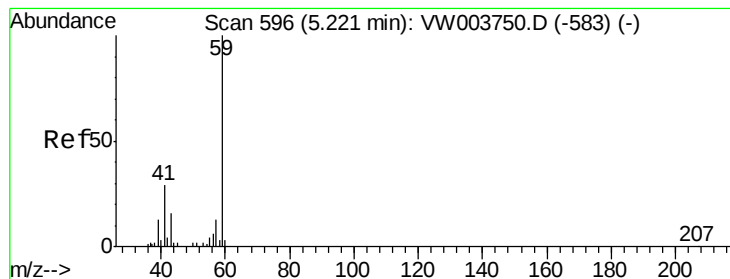
45 162.8 52.4 157.2#



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW





#11

Tert butyl alcohol

Concen: 4.646 ug/l

RT: 5.23 min Scan# 597

Delta R.T. 0.01 min

Lab File: VW003875.D

Acq: 11 Jul 2018 20:33

Instrument :

MSVOA_W

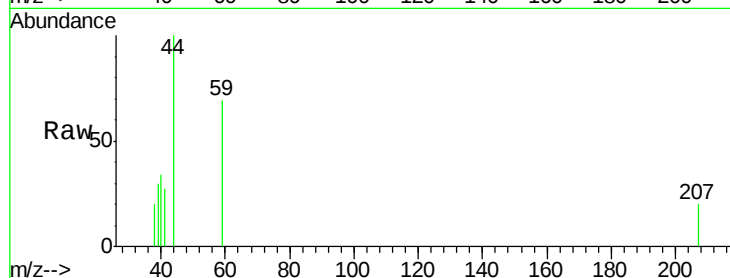
ClientSampled :

Tot Ion: 59 Resp: 580

Ion Ratio Lower Upper

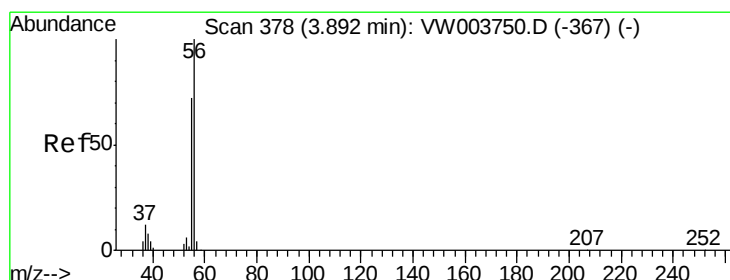
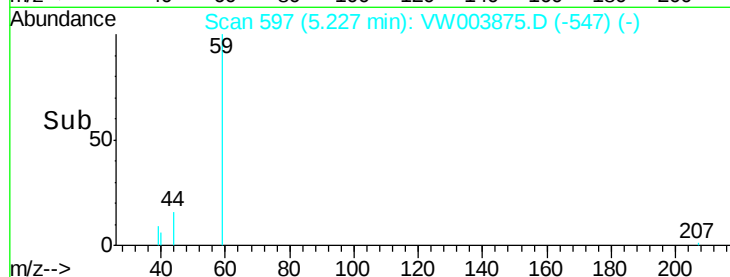
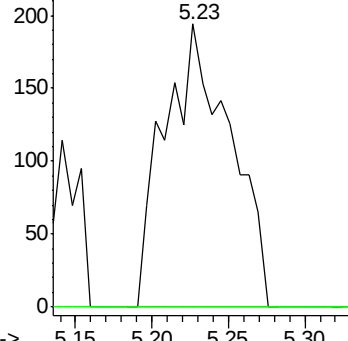
59 100

57 0.0 9.3 13.9#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW



#13

Acrolein

Concen: 4.837 ug/l

RT: 3.81 min Scan# 364

Delta R.T. -0.08 min

Lab File: VW003875.D

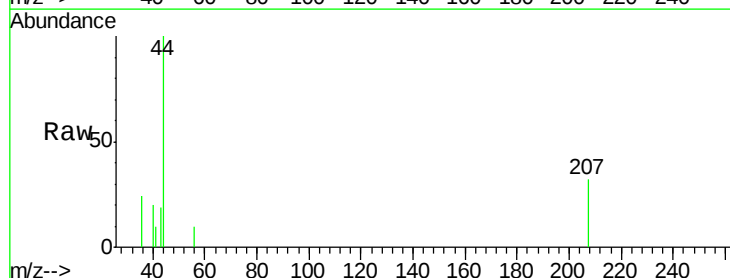
Acq: 11 Jul 2018 20:33

Tgt Ion: 56 Resp: 20

Ion Ratio Lower Upper

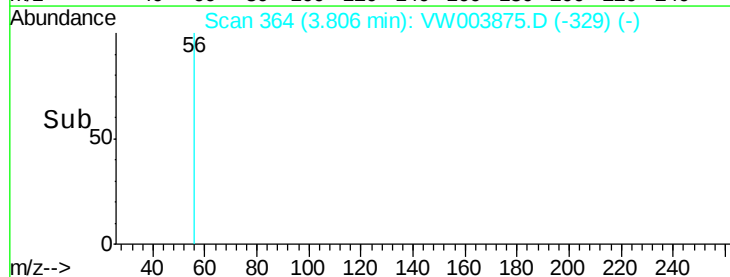
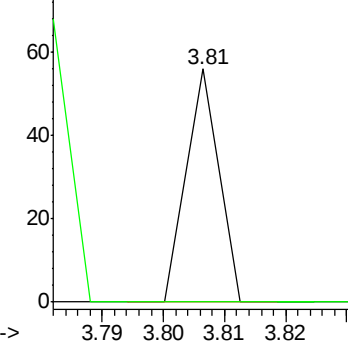
56 100

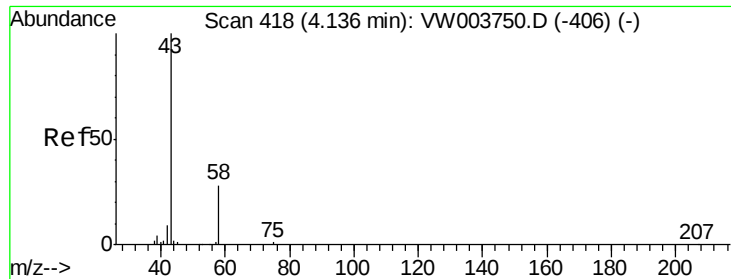
55 0.0 57.5 86.3#



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW





#16

Acetone

Concen: 39.299 ug/l

RT: 4.14 min Scan# 419

Delta R.T. 0.01 min

Lab File: VW003875.D

Acq: 11 Jul 2018 20:33

Instrument :

MSVOA_W

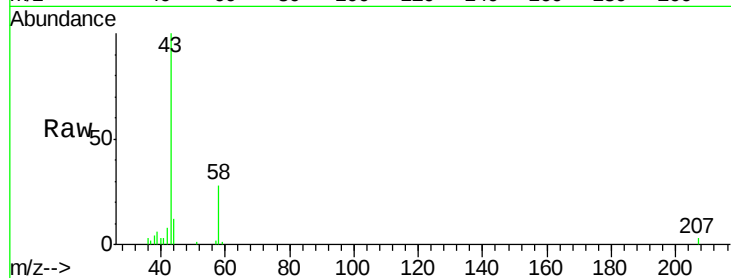
ClientSampled :

Tot Ion: 43 Resp: 15706

Ion Ratio Lower Upper

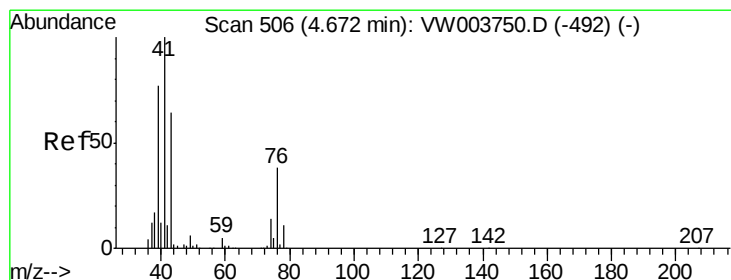
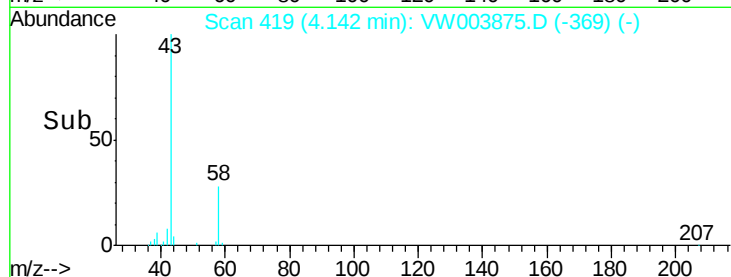
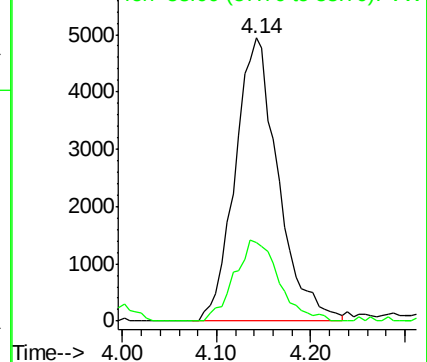
43 100

58 27.8 22.6 34.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#18

Methyl Acetate

Concen: 1.068 ug/l

RT: 4.68 min Scan# 508

Delta R.T. 0.01 min

Lab File: VW003875.D

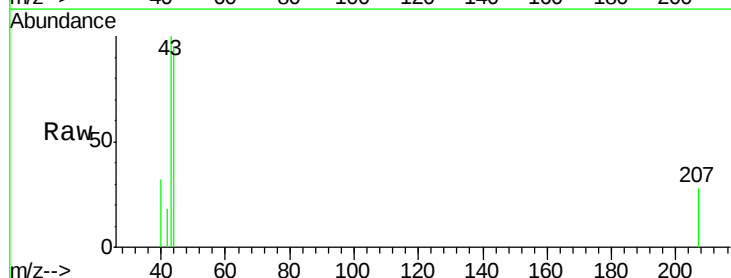
Acq: 11 Jul 2018 20:33

Tgt Ion: 43 Resp: 1203

Ion Ratio Lower Upper

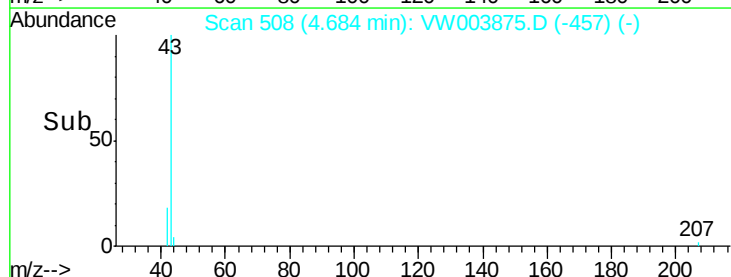
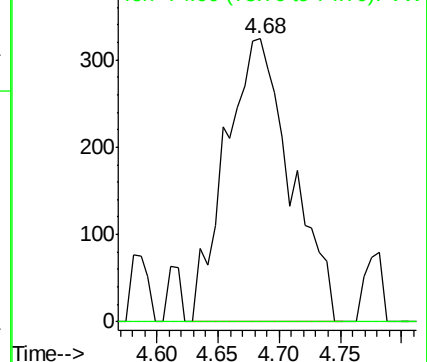
43 100

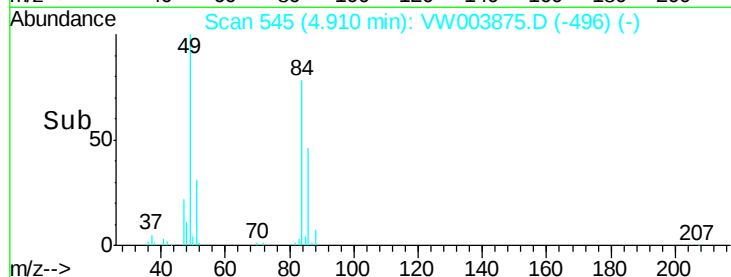
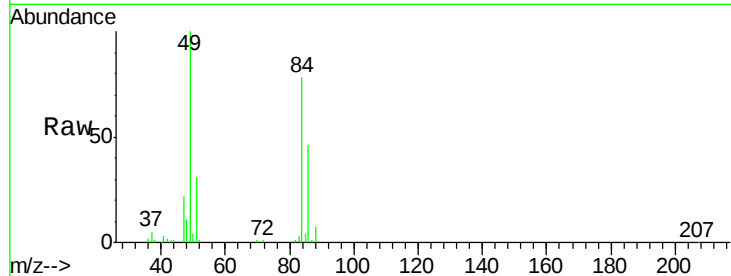
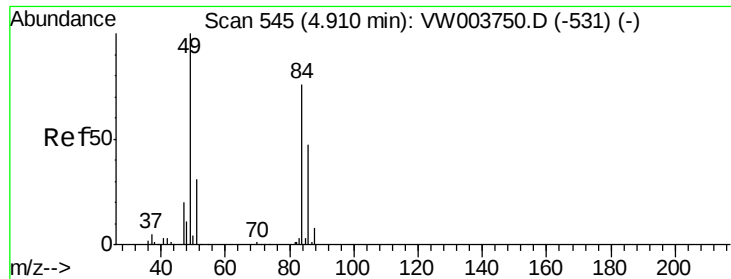
74 0.0 17.3 25.9#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

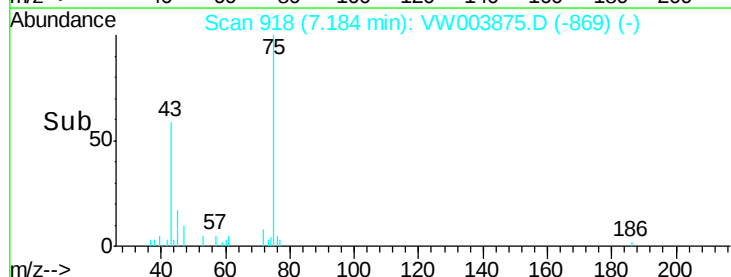
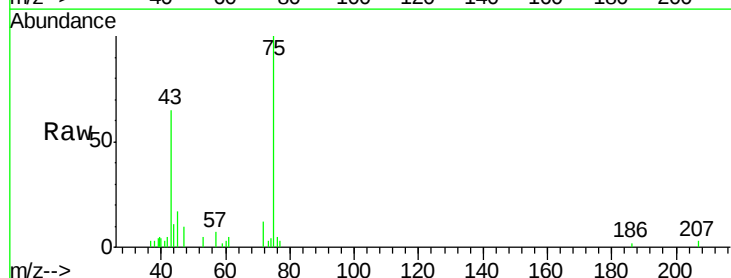
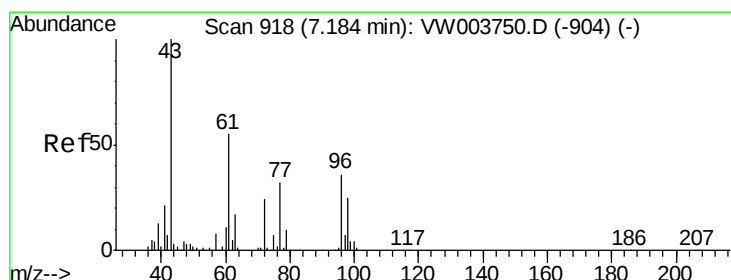
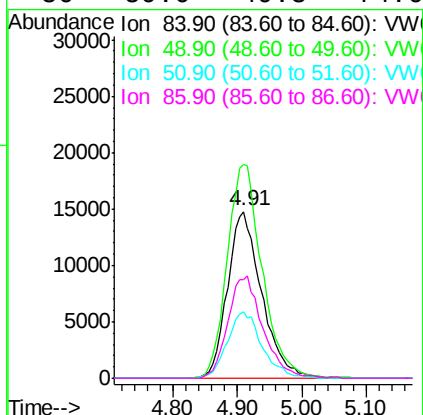




#20
Methvlene Chloride
Concen: 25.870 ug/l
RT: 4.91 min Scan# 545
Delta R.T. 0.00 min
Lab File: VW003875.D
Acq: 11 Jul 2018 20:33

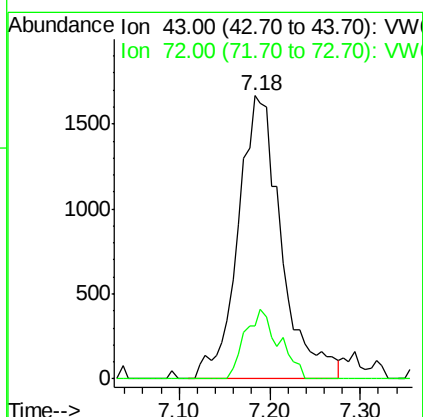
Instrument :
MSVOA_W
ClientSampleId :

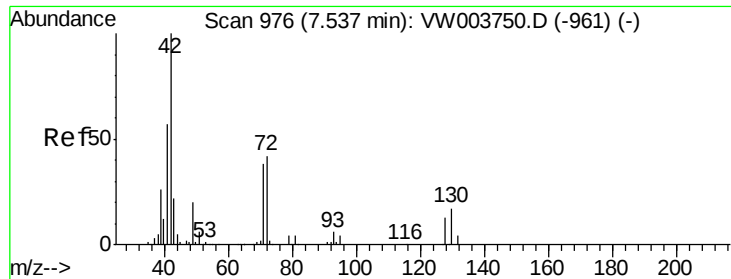
Tot Ion	84	Resp	54508
Ion	Ratio	Lower	Upper
84	100		
49	128.2	105.1	157.7
51	40.3	32.5	48.7
86	59.0	49.8	74.6



#25
2-Butanone
Concen: 8.828 ug/l
RT: 7.18 min Scan# 918
Delta R.T. 0.00 min
Lab File: VW003875.D
Acq: 11 Jul 2018 20:33

Tgt Ion	43	Resp	5526
Ion	Ratio	Lower	Upper
43	100		
72	18.9	19.4	29.2#

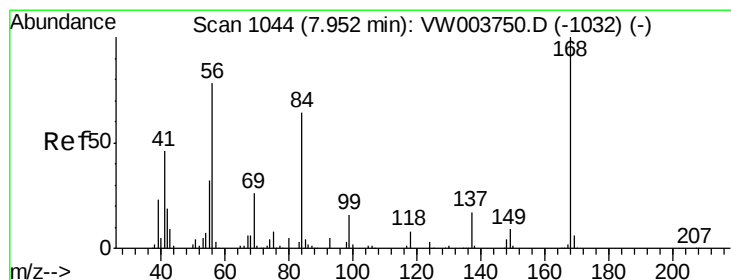
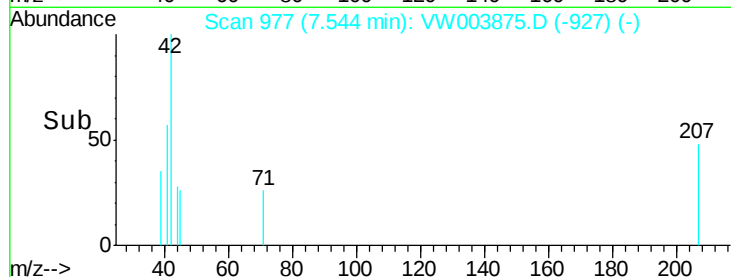
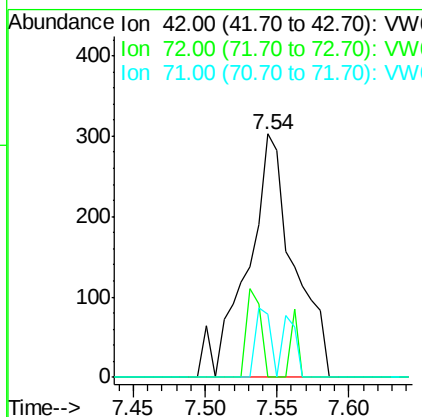
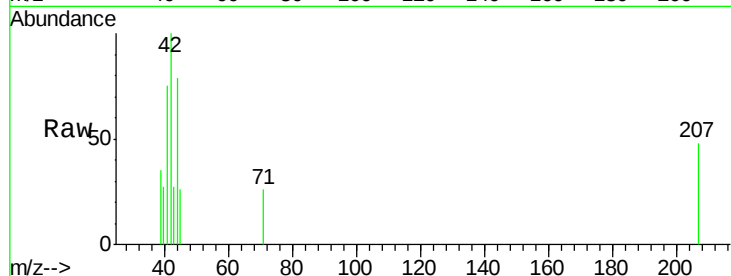




#29
Tetrahydrofuran
Concen: 1.680 ug/l
RT: 7.54 min Scan# 977
Delta R.T. 0.01 min
Lab File: VW003875.D
Acq: 11 Jul 2018 20:33

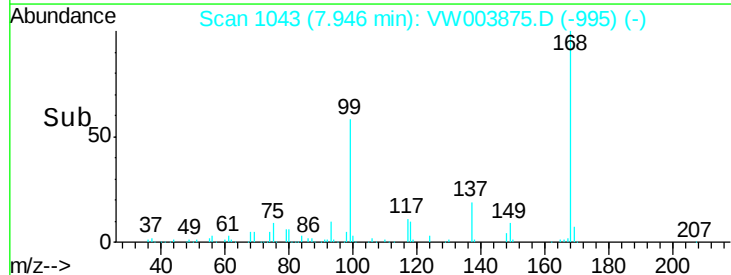
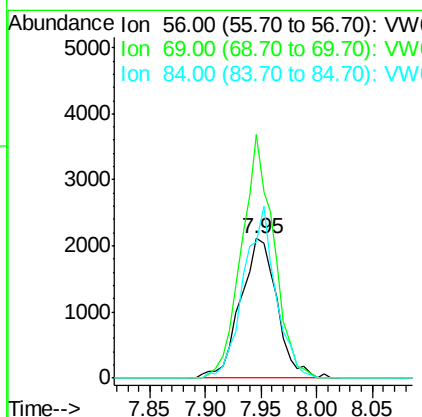
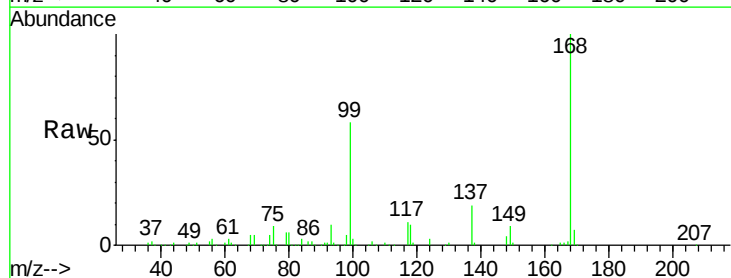
Instrument :
MSVOA_W
ClientSampleId :

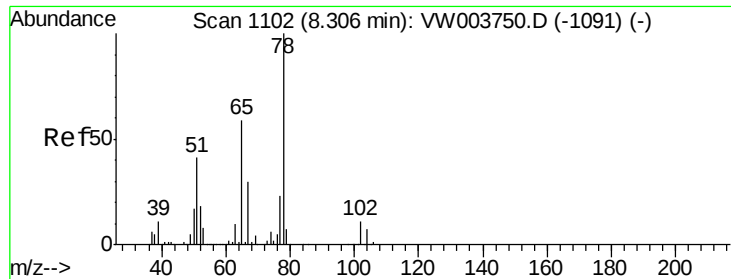
Tot Ion: 42 Resp: 676
Ion Ratio Lower Upper
42 100
72 10.9 31.8 47.8#
71 8.9 30.3 45.5#



#31
Cyclohexane
Concen: 1.433 ug/l
RT: 7.95 min Scan# 1043
Delta R.T. -0.01 min
Lab File: VW003875.D
Acq: 11 Jul 2018 20:33

Tgt Ion: 56 Resp: 4817
Ion Ratio Lower Upper
56 100
69 174.6 26.2 39.4#
84 97.3 65.5 98.3





#33

1,2-Dichloroethane-d4

Concen: 57.966 ug/l

RT: 8.31 min Scan# 1102

Delta R.T. 0.00 min

Lab File: VW003875.D

Acq: 11 Jul 2018 20:33

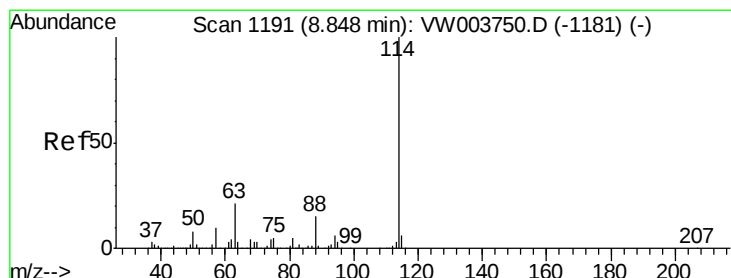
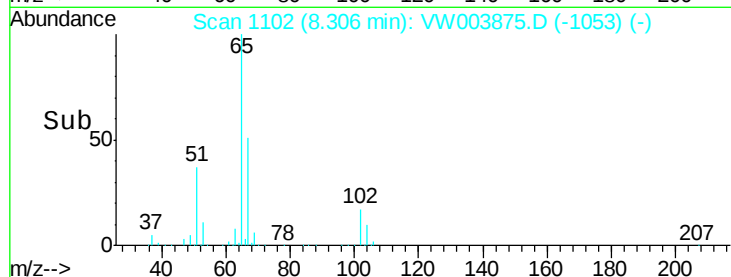
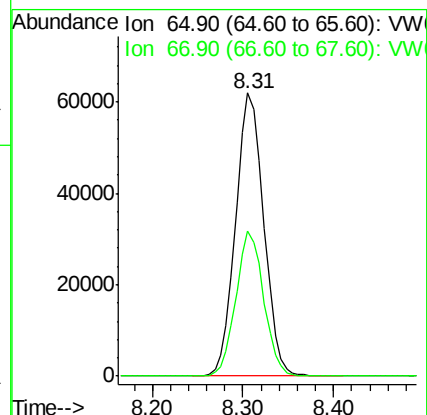
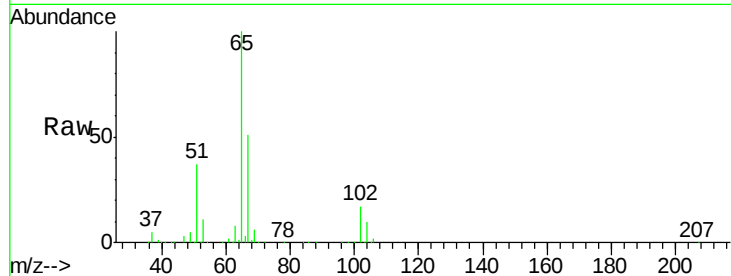
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 65 Resp: 133526

Ion Ratio Lower Upper

65 100

67 50.6 0.0 103.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1190

Delta R.T. -0.01 min

Lab File: VW003875.D

Acq: 11 Jul 2018 20:33

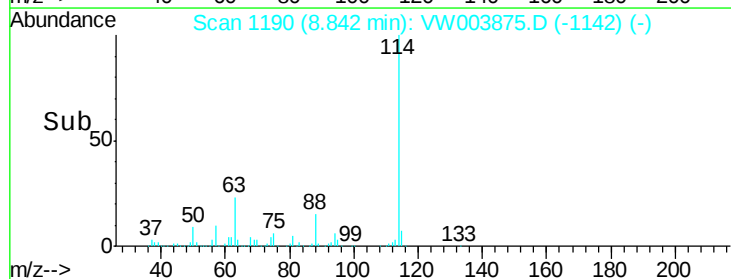
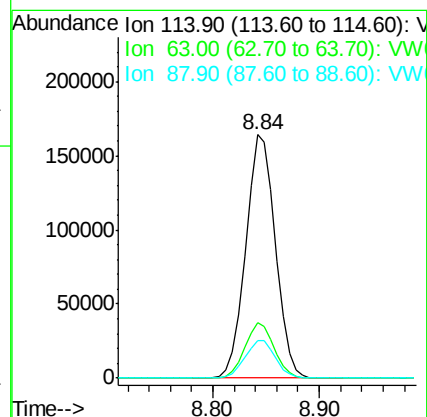
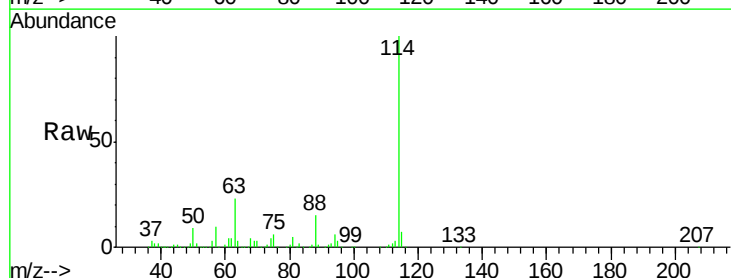
Tgt Ion: 114 Resp: 320561

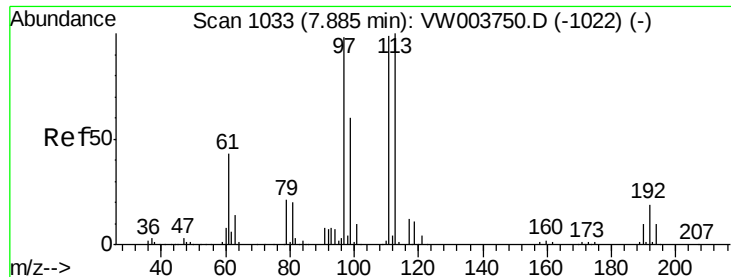
Ion Ratio Lower Upper

114 100

63 23.0 0.0 41.8

88 15.4 0.0 30.2

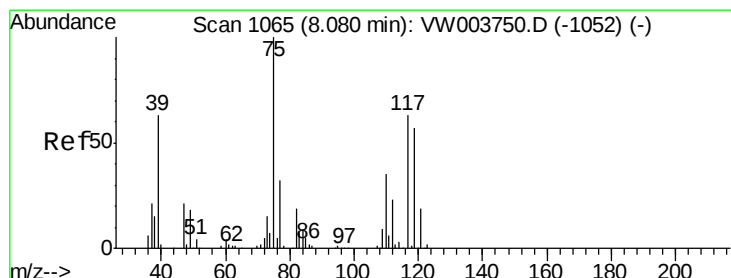
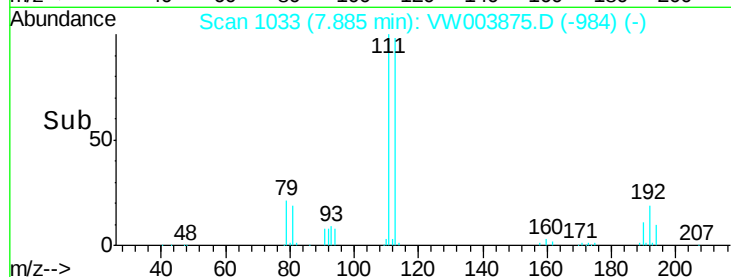
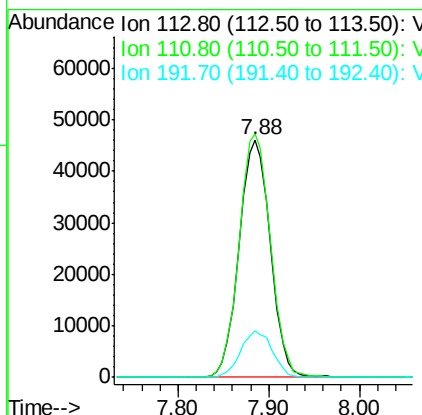
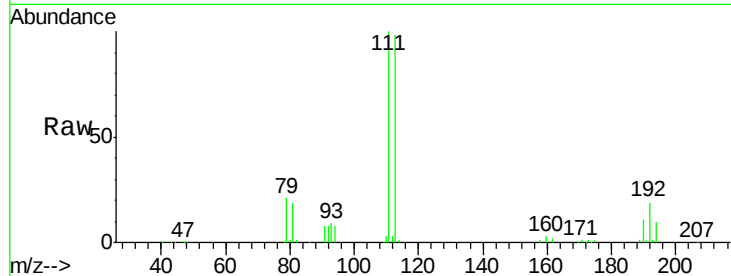




#35
 Dibromofluoromethane
 Concen: 48.908 ug/l
 RT: 7.88 min Scan# 1033
 Delta R.T. 0.00 min
 Lab File: VW003875.D
 Acq: 11 Jul 2018 20:33

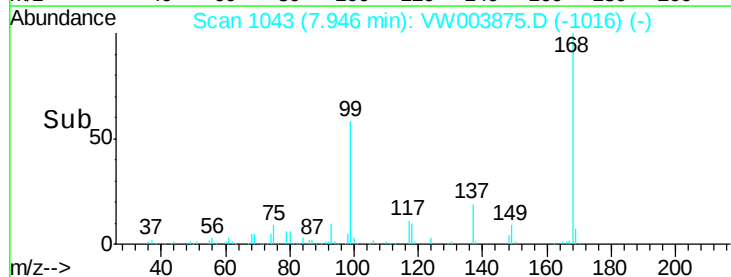
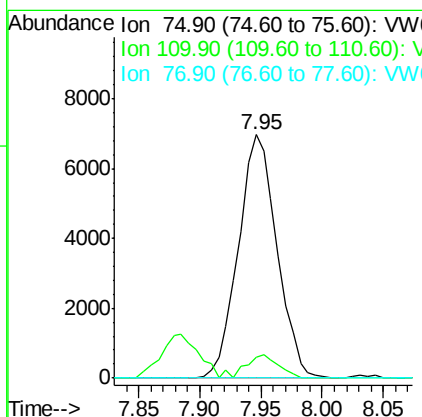
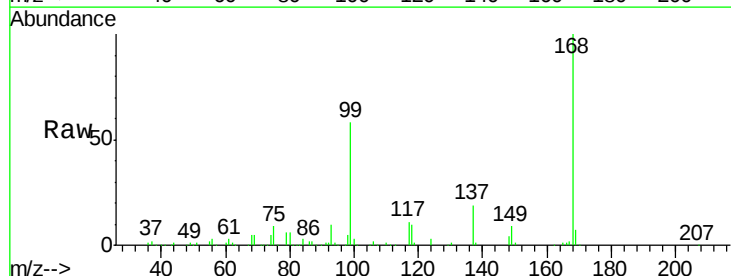
Instrument :
 MSVOA_W
 ClientSampleId :

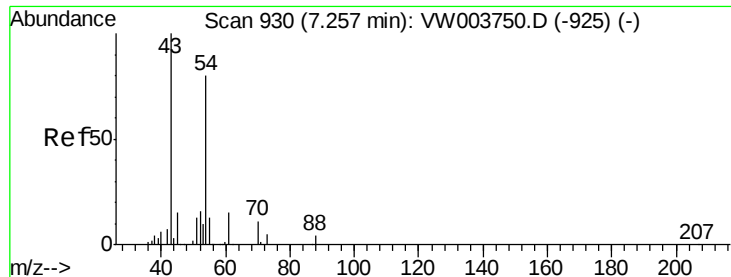
Tot Ion:113 Resp: 109729
 Ion Ratio Lower Upper
 113 100
 111 103.1 81.7 122.5
 192 19.8 15.8 23.8



#36
 1,1-Dichloropropene
 Concen: 4.483 ug/l
 RT: 7.95 min Scan# 1043
 Delta R.T. -0.13 min
 Lab File: VW003875.D
 Acq: 11 Jul 2018 20:33

Tgt Ion: 75 Resp: 15248
 Ion Ratio Lower Upper
 75 100
 110 8.0 16.9 50.6#
 77 0.0 24.8 37.2#

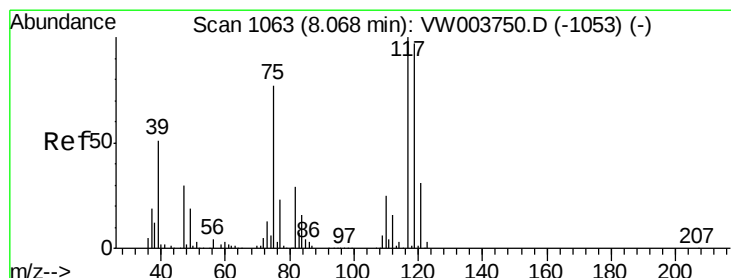
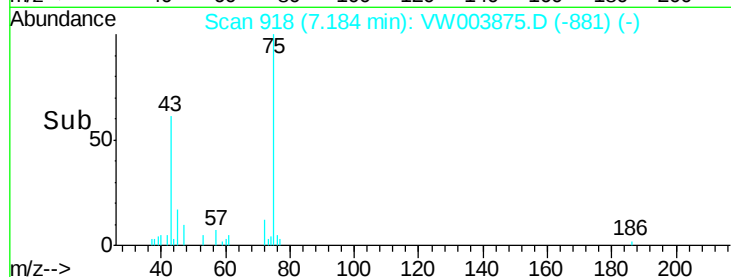
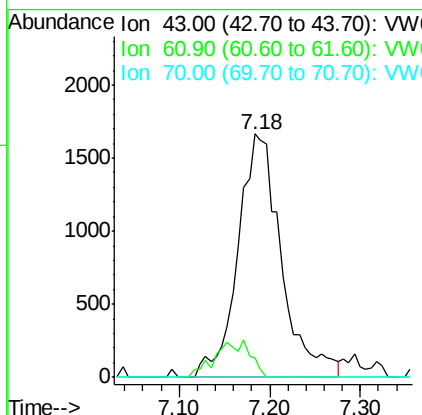
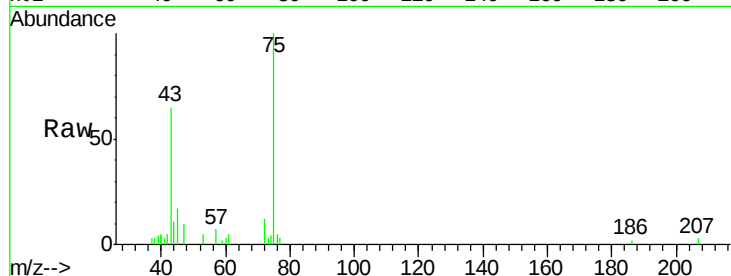




#37
Ethyl Acetate
Concen: 3.339 ug/l
RT: 7.18 min Scan# 918
Delta R.T. -0.07 min
Lab File: VW003875.D
Acq: 11 Jul 2018 20:33

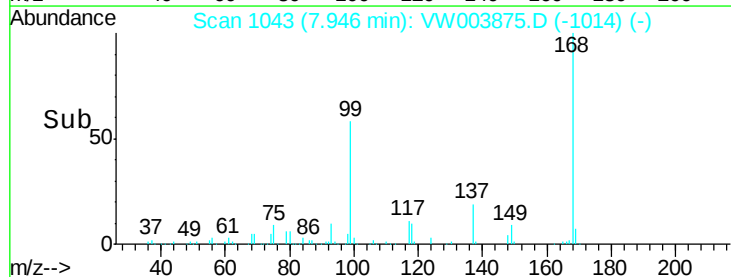
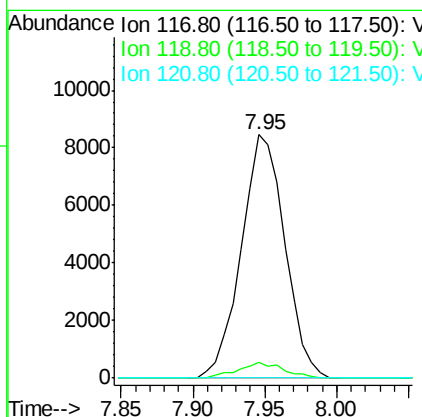
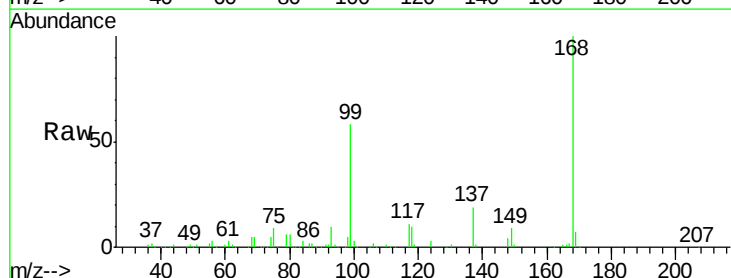
Instrument :
MSVOA_W
ClientSampleId :

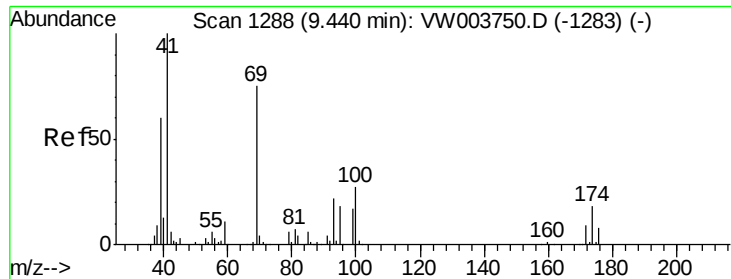
Tot Ion: 43 Resp: 5526
Ion Ratio Lower Upper
43 100
61 12.2 10.6 15.8
70 0.0 7.5 11.3#



#38
Carbon Tetrachloride
Concen: 5.472 ug/l
RT: 7.95 min Scan# 1043
Delta R.T. -0.12 min
Lab File: VW003875.D
Acq: 11 Jul 2018 20:33

Tgt Ion: 117 Resp: 17695
Ion Ratio Lower Upper
117 100
119 6.7 77.4 116.2#
121 0.0 24.6 37.0#

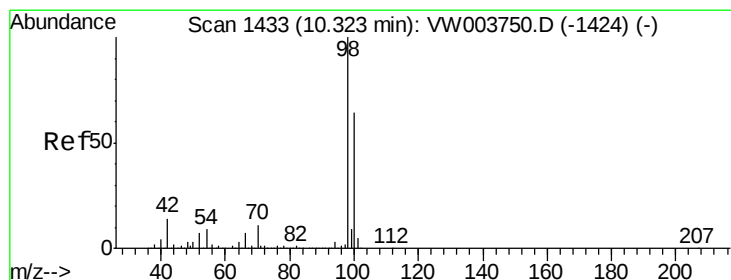
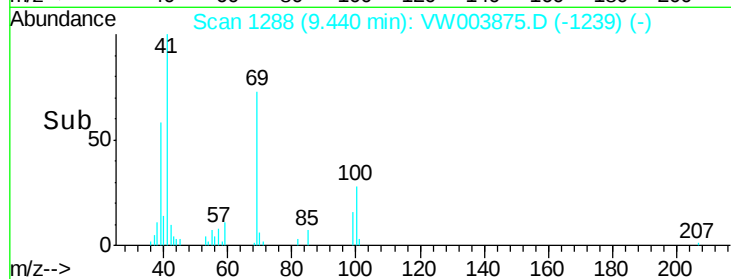
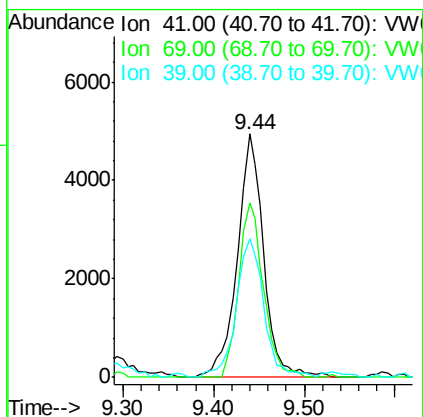
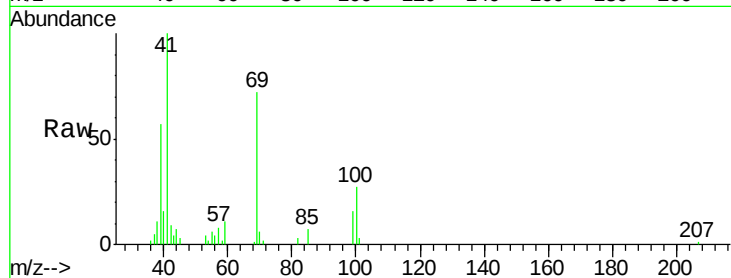




#48
Methvl methacrylate
Concen: 6.660 ug/l
RT: 9.44 min Scan# 1288
Delta R.T. 0.00 min
Lab File: VW003875.D
Acq: 11 Jul 2018 20:33

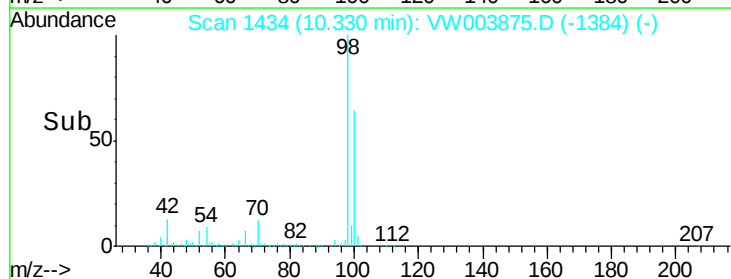
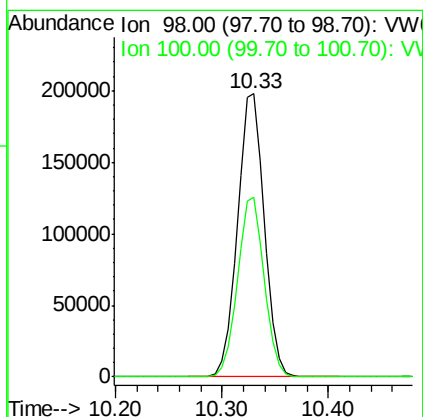
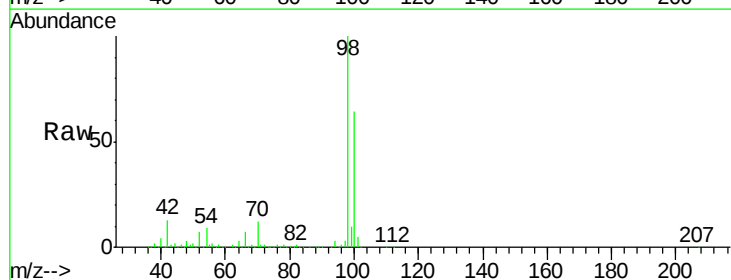
Instrument :
MSVOA_W
ClientSampleId :

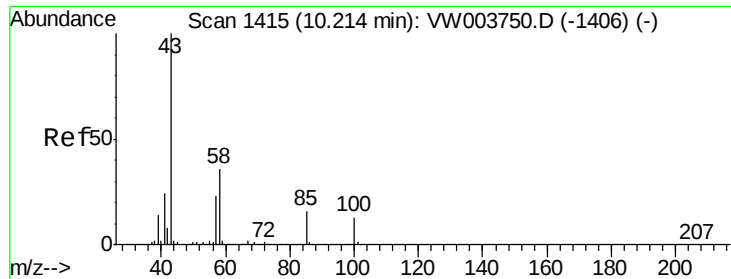
Tot Ion: 41 Resp: 9949
Ion Ratio Lower Upper
41 100
69 67.1 63.8 95.8
39 59.7 50.2 75.2



#50
Toluene-d8
Concen: 40.729 ug/l
RT: 10.33 min Scan# 1434
Delta R.T. 0.01 min
Lab File: VW003875.D
Acq: 11 Jul 2018 20:33

Tgt Ion: 98 Resp: 349545
Ion Ratio Lower Upper
98 100
100 63.0 50.8 76.2





#51

4-Methyl-2-Pentanone

Concen: 1.253 ug/l

RT: 10.21 min Scan# 1415

Delta R.T. 0.00 min

Lab File: VW003875.D

Acq: 11 Jul 2018 20:33

Instrument :

MSVOA_W

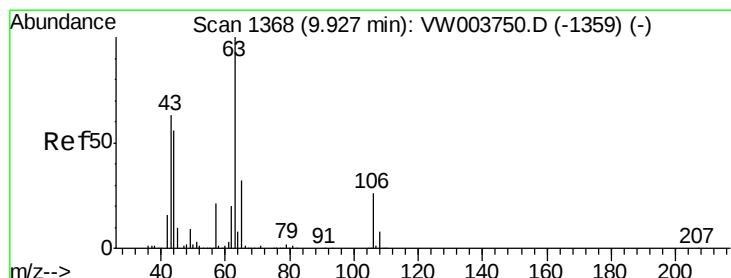
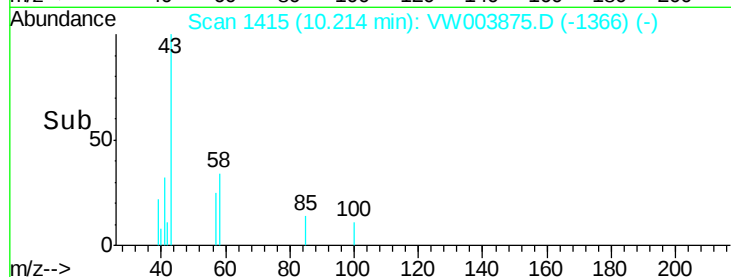
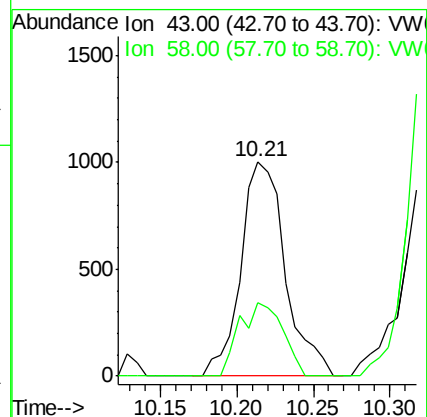
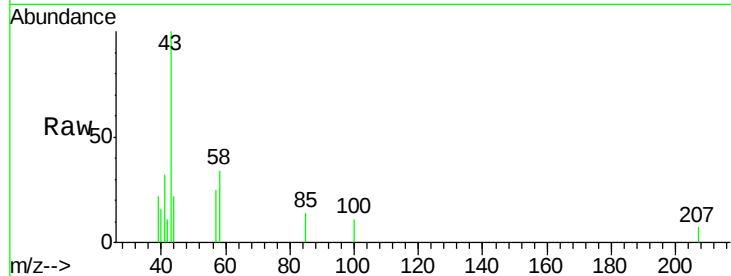
ClientSampled :

Tot Ion: 43 Resp: 2034

Ion Ratio Lower Upper

43 100

58 33.1 29.3 43.9



#58

2-Chloroethyl Vinyl ether

Concen: 13.189 ug/l

RT: 9.93 min Scan# 1368

Delta R.T. 0.00 min

Lab File: VW003875.D

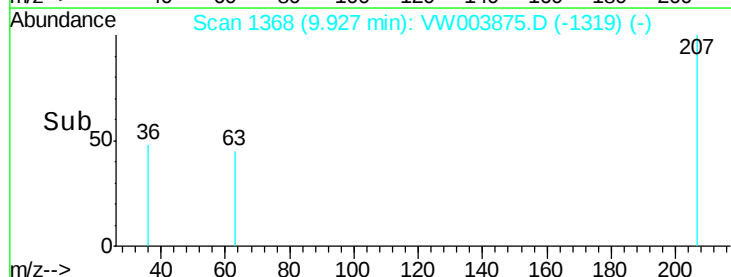
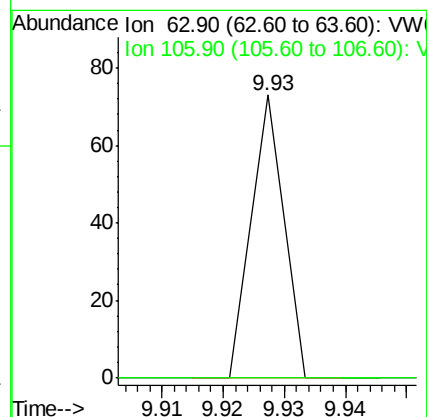
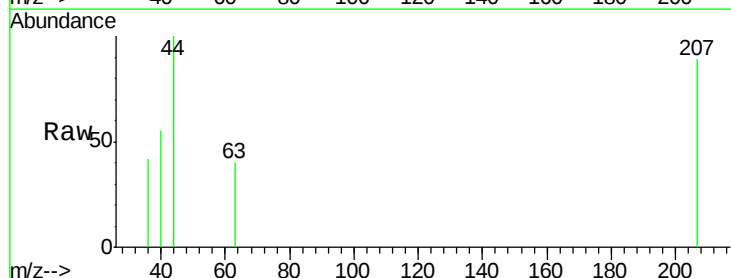
Acq: 11 Jul 2018 20:33

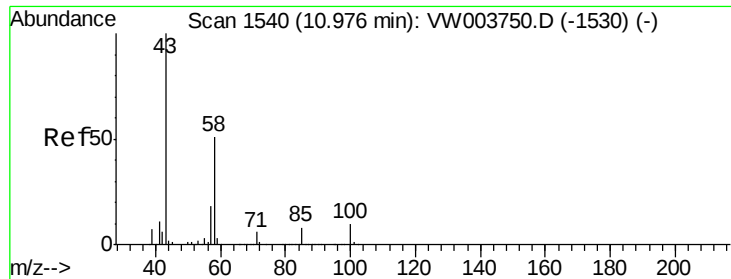
Tgt Ion: 63 Resp: 27

Ion Ratio Lower Upper

63 100

106 0.0 20.9 31.3#

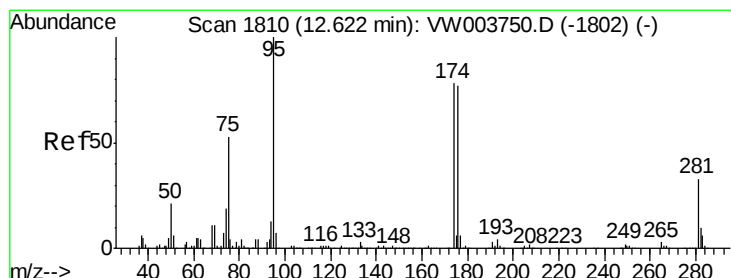
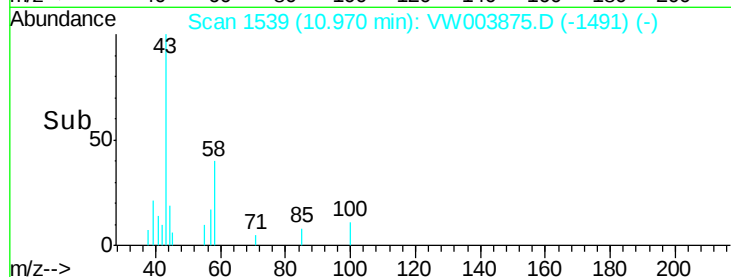
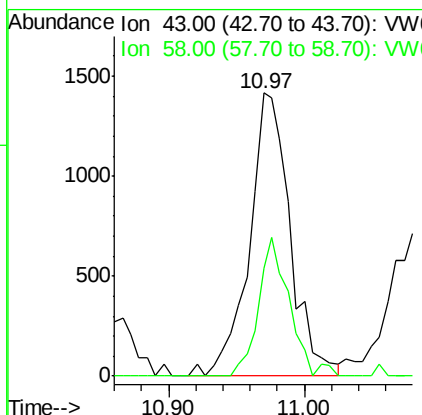
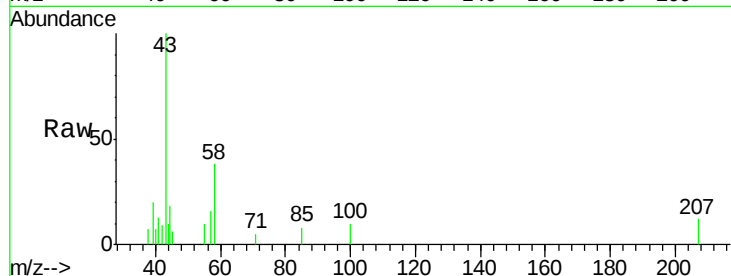




#59
2-Hexanone
Concen: 2.669 ug/l
RT: 10.97 min Scan# 1539
Delta R.T. -0.01 min
Lab File: VW003875.D
Acq: 11 Jul 2018 20:33

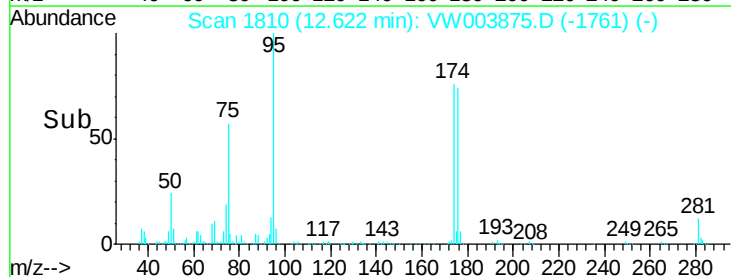
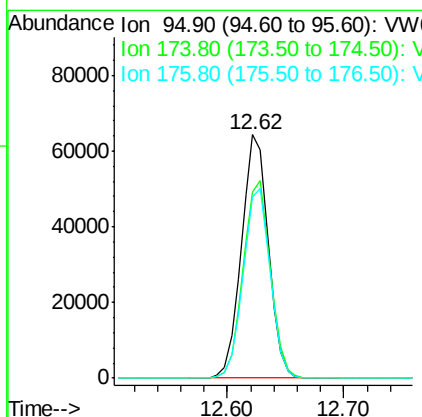
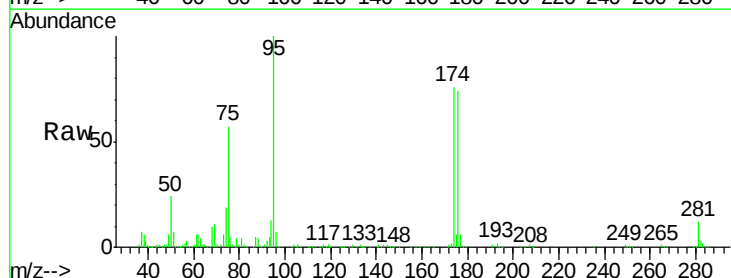
Instrument :
MSVOA_W
ClientSampleId :

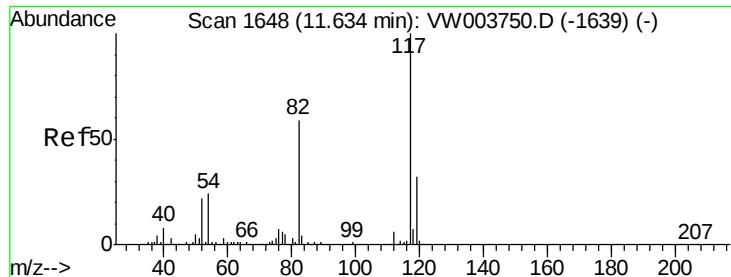
Tot Ion: 43 Resp: 2975
Ion Ratio Lower Upper
43 100
58 37.3 25.4 76.2



#62
4-Bromofluorobenzene
Concen: 33.354 ug/l
RT: 12.62 min Scan# 1810
Delta R.T. 0.00 min
Lab File: VW003875.D
Acq: 11 Jul 2018 20:33

Tgt Ion: 95 Resp: 103569
Ion Ratio Lower Upper
95 100
174 82.3 0.0 163.4
176 78.4 0.0 156.8

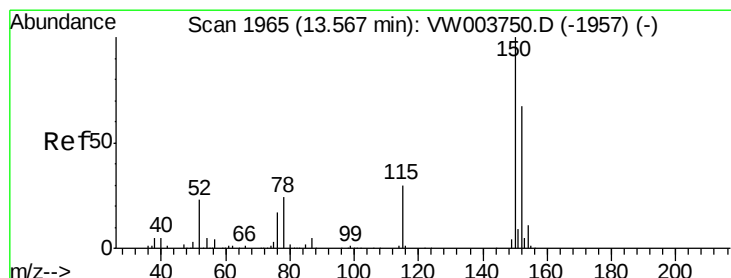
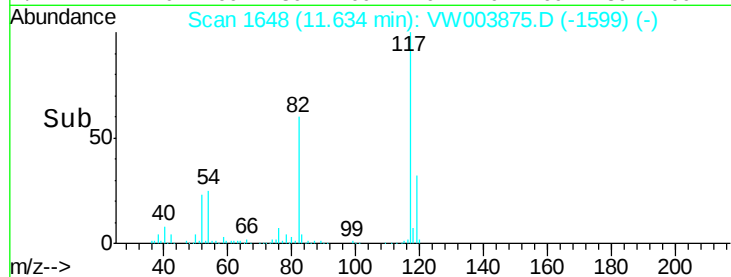
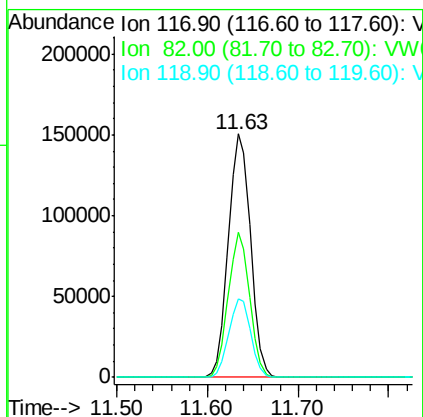
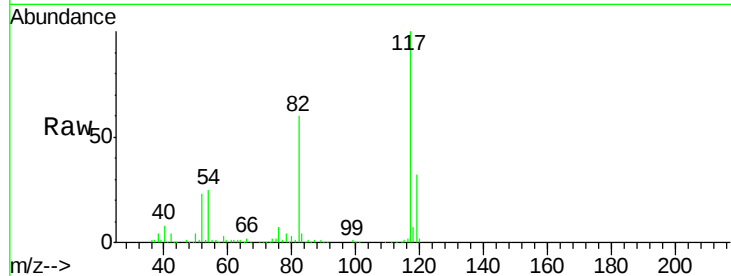




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. 0.00 min
Lab File: VW003875.D
Acq: 11 Jul 2018 20:33

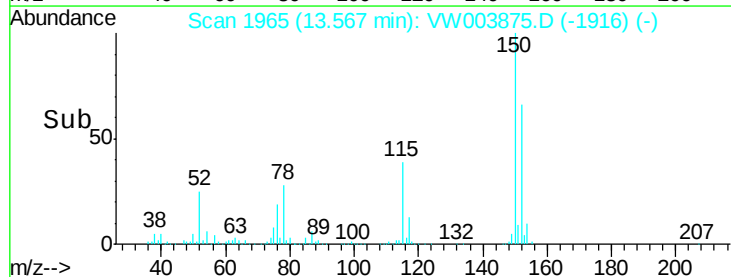
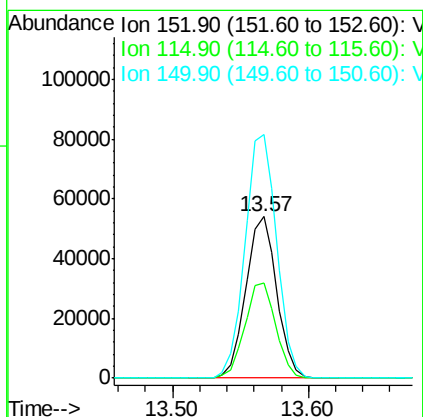
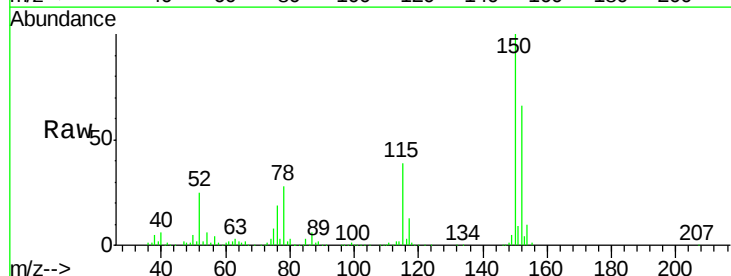
Instrument :
MSVOA_W
ClientSampleId :

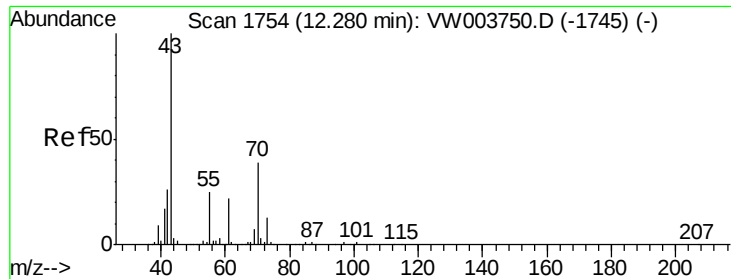
Tot Ion:117 Resp: 256074
Ion Ratio Lower Upper
117 100
82 59.7 46.9 70.3
119 32.2 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1965
Delta R.T. 0.00 min
Lab File: VW003875.D
Acq: 11 Jul 2018 20:33

Tgt Ion:152 Resp: 85949
Ion Ratio Lower Upper
152 100
115 58.9 28.9 86.8
150 154.6 0.0 342.4

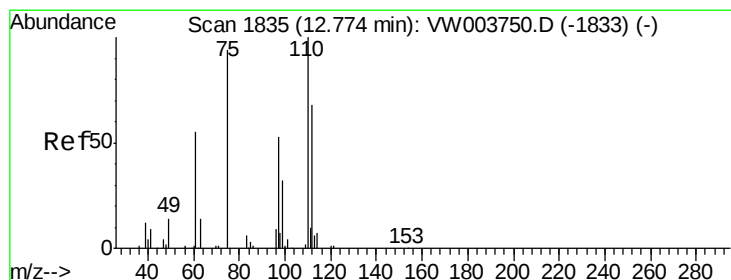
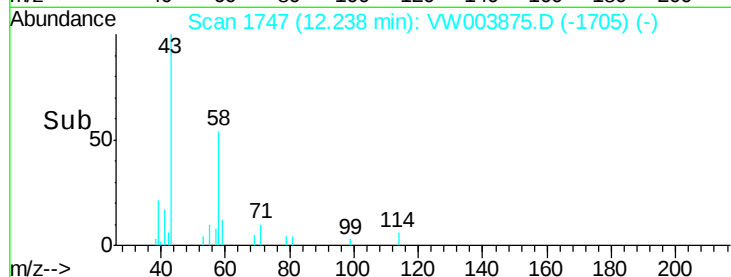
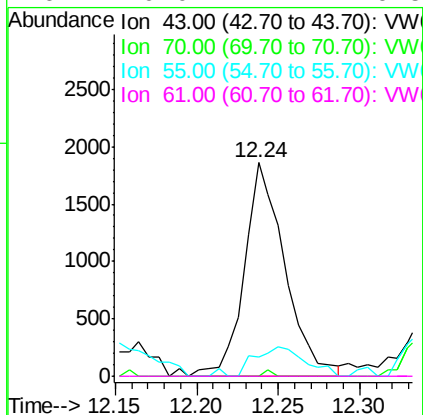
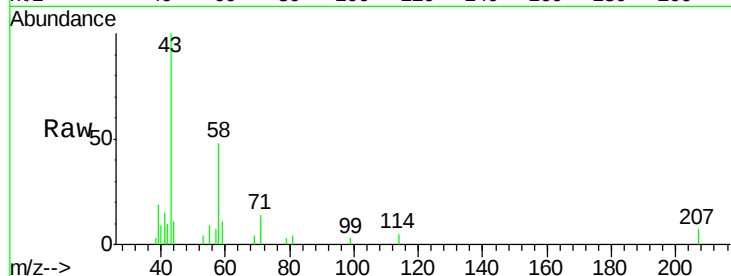




#74
N-amvl acetate
Concen: 2.034 ug/l
RT: 12.24 min Scan# 1747
Delta R.T. -0.04 min
Lab File: VW003875.D
Acq: 11 Jul 2018 20:33

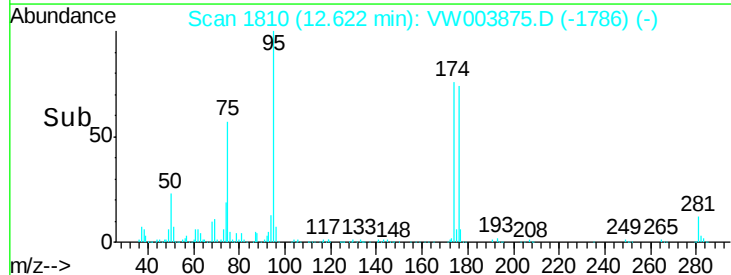
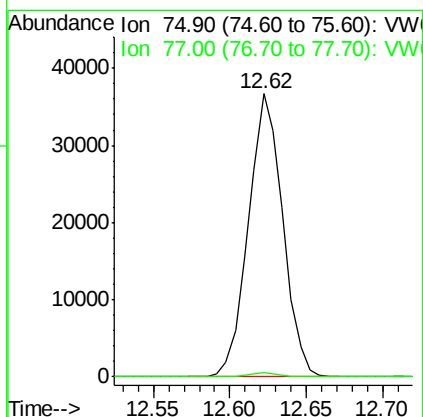
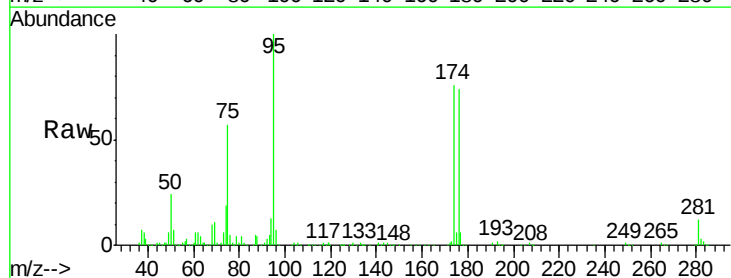
Instrument :
MSVOA_W
ClientSampleId :

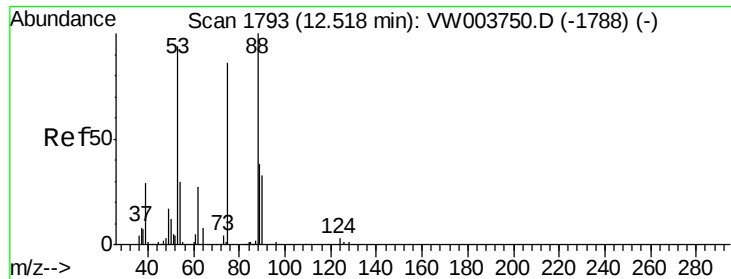
Tot Ion: 43 Resp: 3209
Ion Ratio Lower Upper
43 100
70 0.0 31.3 46.9#
55 17.6 20.1 30.1#
61 0.0 17.7 26.5#



#76
1,2,3-Trichloropropane
Concen: 67.835 ug/l
RT: 12.62 min Scan# 1810
Delta R.T. -0.15 min
Lab File: VW003875.D
Acq: 11 Jul 2018 20:33

Tgt Ion: 75 Resp: 57253
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 165.940 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. 0.10 min

Lab File: VW003875.D

Acq: 11 Jul 2018 20:33

Instrument :

MSVOA_W

ClientSampleId :

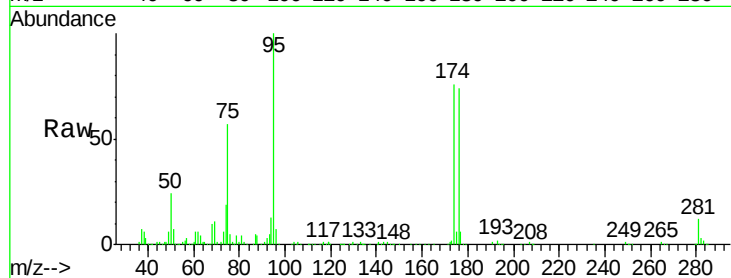
Tot Ion: 75 Resp: 57253

Ion Ratio Lower Upper

75 100

53 0.4 85.0 127.6#

89 0.1 36.3 54.5#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW

