

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW071118\
 Data File : VW003885.D
 Acq On : 12 Jul 2018 00:52
 Operator : SY/AP
 Sample : J3914-07RE
 Misc : 4.10G/5ML/MSVOA W/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jul 12 01:57:39 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	170058	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	281274	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	204732	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	55100	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	114860	51.65	ug/l	0.00
Spiked Amount			Recovery	=	103.30%	
35) Dibromofluoromethane	7.88	113	98646	50.11	ug/l	0.00
Spiked Amount			Recovery	=	100.22%	
50) Toluene-d8	10.33	98	319695	42.45	ug/l	0.00
Spiked Amount			Recovery	=	84.90%	
62) 4-Bromofluorobenzene	12.63	95	67539	24.79	ug/l	0.00
Spiked Amount			Recovery	=	49.58%	

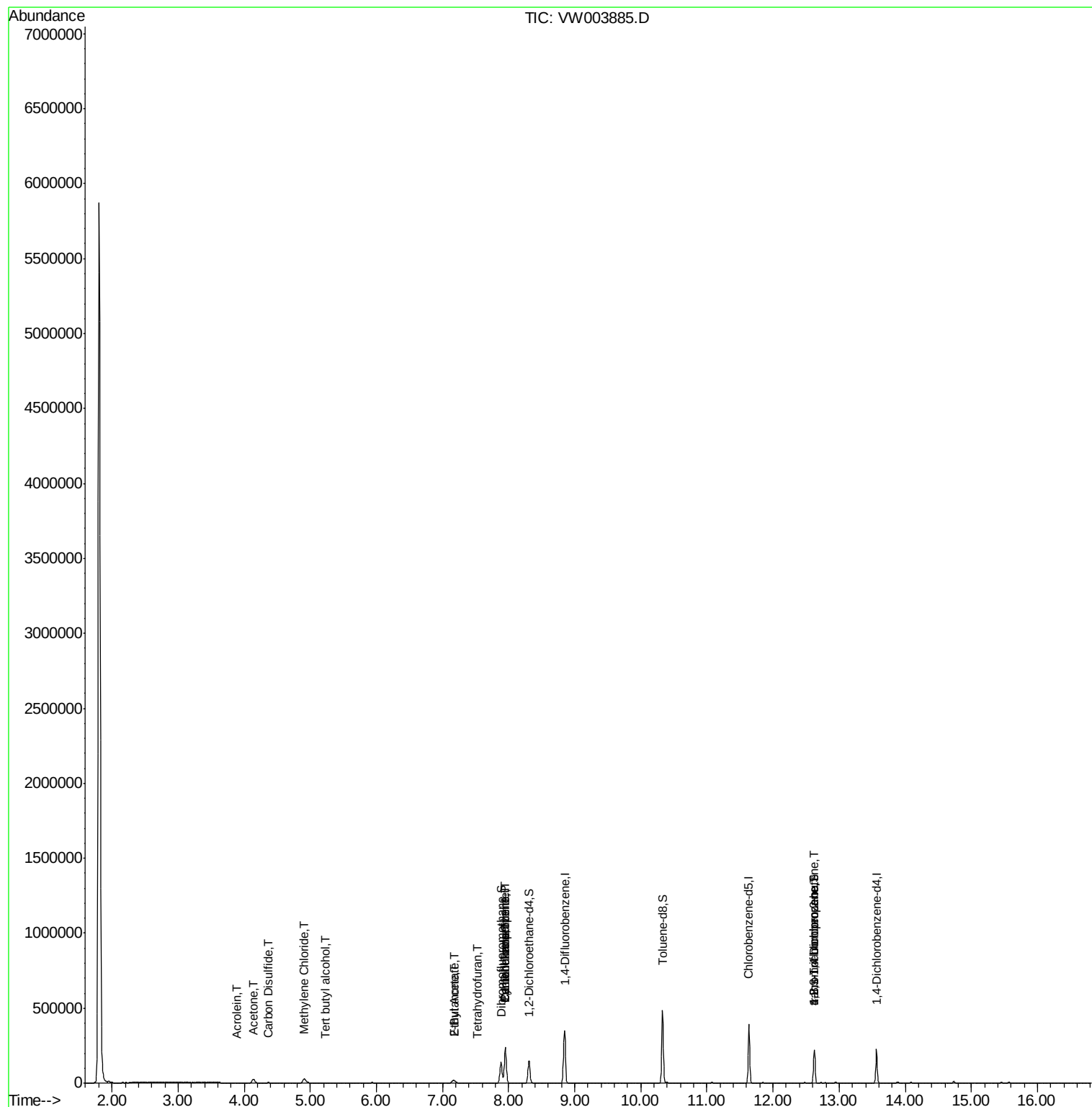
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.23	59	658	5.460	ug/l #	70
13) Acrolein	3.89	56	22	4.850	ug/l #	1
16) Acetone	4.14	43	49370	127.956	ug/l	99
17) Carbon Disulfide	4.37	76	8212	1.568	ug/l	99
20) Methylene Chloride	4.91	84	23321	8.789	ug/l	97
25) 2-Butanone	7.18	43	16332	27.025	ug/l	95
29) Tetrahydrofuran	7.53	42	540	1.390	ug/l #	62
31) Cyclohexane	7.95	56	4462	1.375	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	14667	4.914	ug/l #	49
37) Ethyl Acetate	7.18	43	16332	11.247	ug/l #	70
38) Carbon Tetrachloride	7.95	117	17782	6.267	ug/l #	17
76) 1,2,3-Trichloropropane	12.62	75	36583	67.612	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	36583	165.395	ug/l #	7

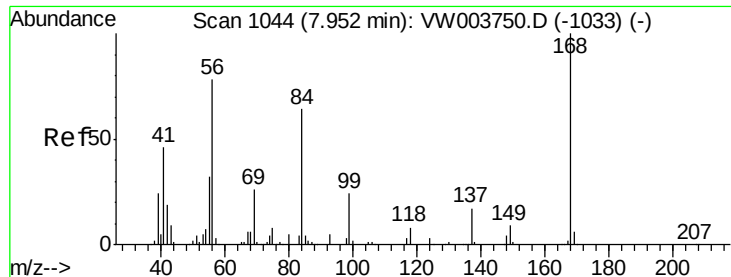
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW003885.D

Acq: 12 Jul 2018 00:52

Instrument :

MSVOA_W

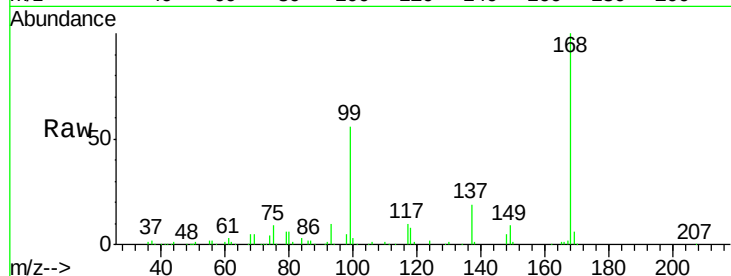
ClientSampleId :

Tot Ion:168 Resp: 170058

Ion Ratio Lower Upper

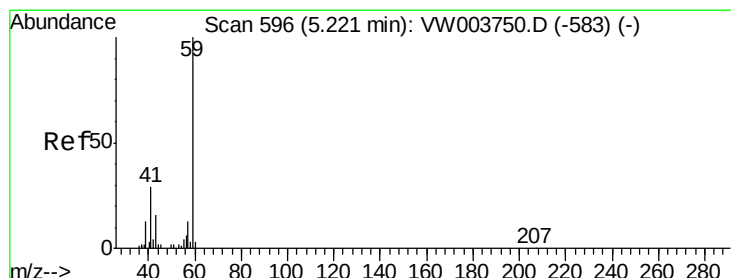
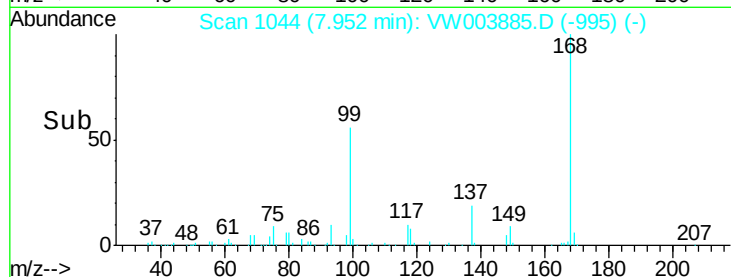
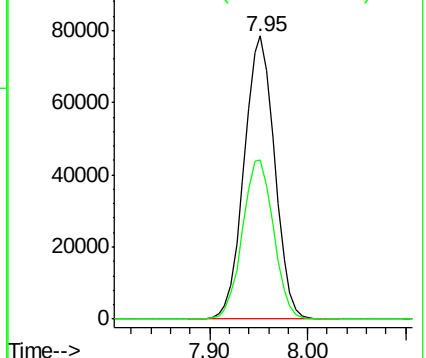
168 100

99 56.2 45.0 67.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: 5.460 ug/l

RT: 5.23 min Scan# 597

Delta R.T. 0.01 min

Lab File: VW003885.D

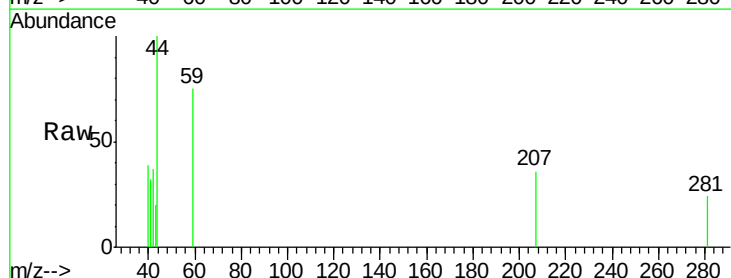
Acq: 12 Jul 2018 00:52

Tgt Ion: 59 Resp: 658

Ion Ratio Lower Upper

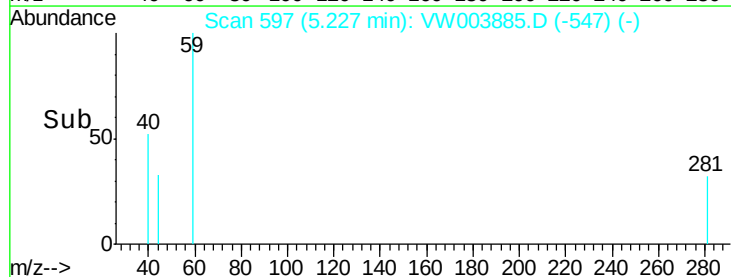
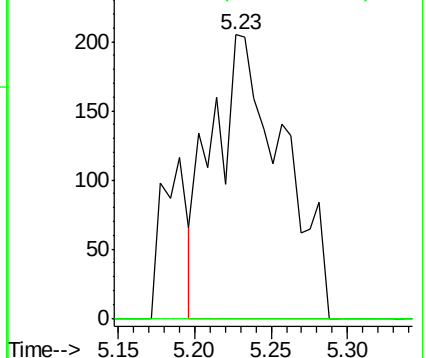
59 100

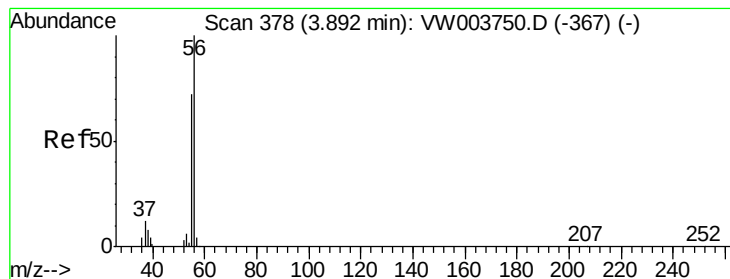
57 0.0 9.3 13.9#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#13

Acrolein

Concen: 4.850 ug/l

RT: 3.89 min Scan# 377

Delta R.T. -0.01 min

Lab File: VW003885.D

Acq: 12 Jul 2018 00:52

Instrument :

MSVOA_W

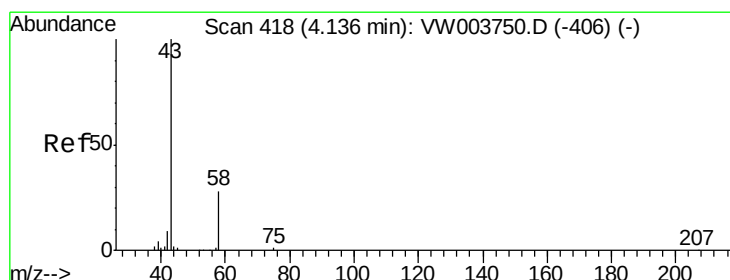
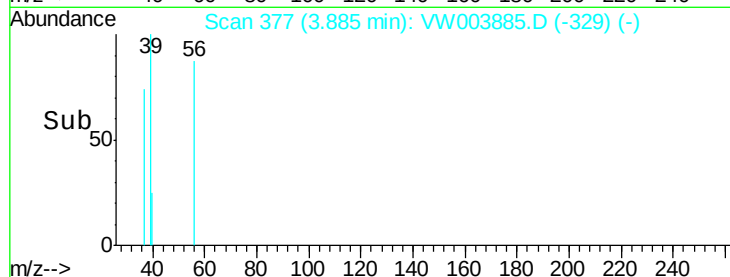
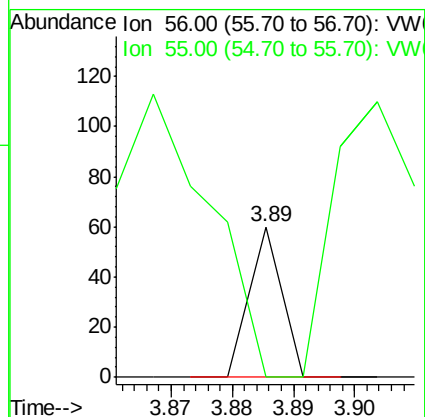
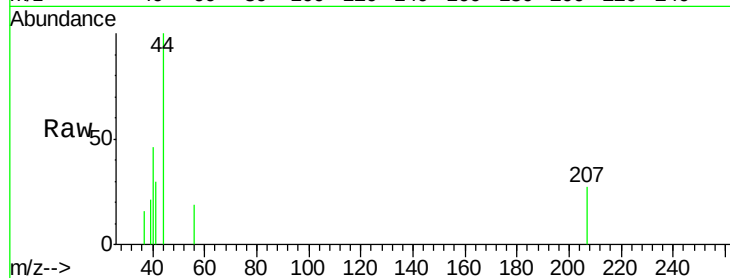
ClientSampled :

Tot Ion: 56 Resp: 22

Ion Ratio Lower Upper

56 100

55 463.6 57.5 86.3#



#16

Acetone

Concen: 127.956 ug/l

RT: 4.14 min Scan# 418

Delta R.T. -0.00 min

Lab File: VW003885.D

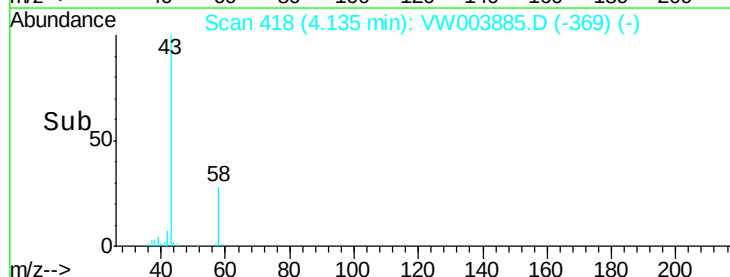
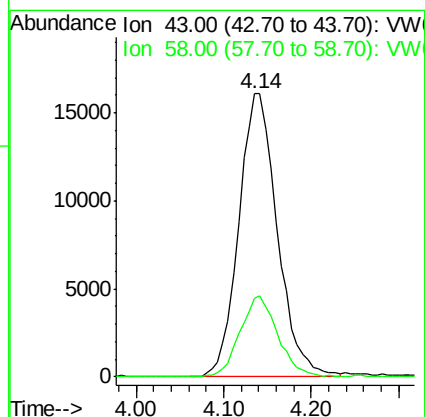
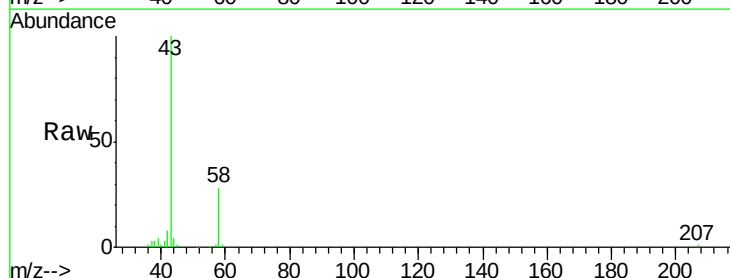
Acq: 12 Jul 2018 00:52

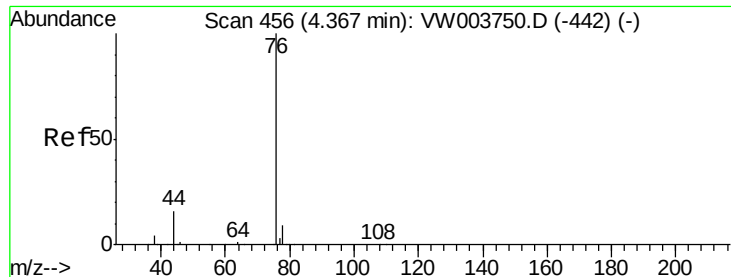
Tgt Ion: 43 Resp: 49370

Ion Ratio Lower Upper

43 100

58 27.9 22.6 34.0

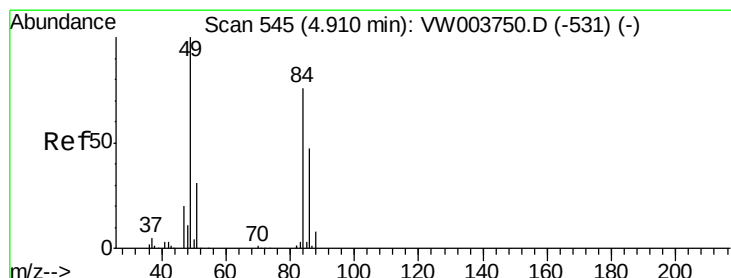
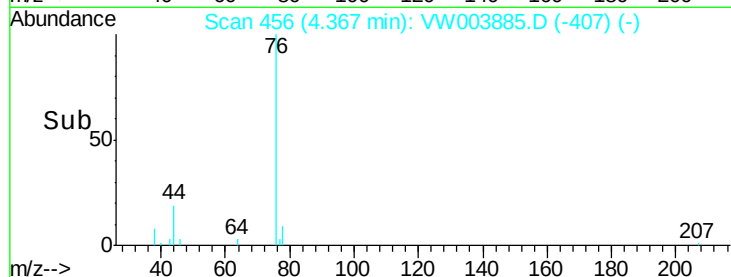
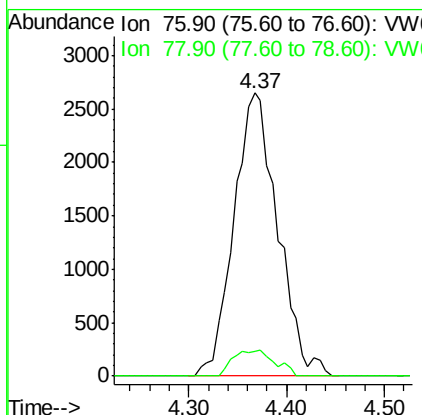
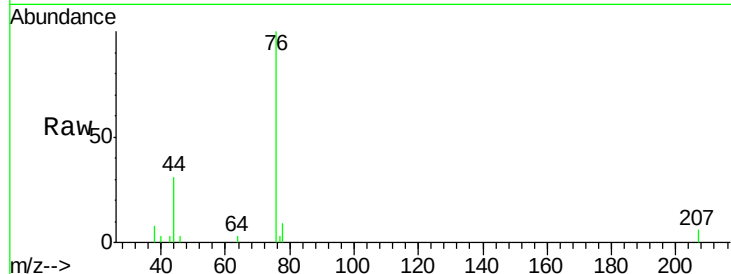




#17
Carbon Disulfide
Concen: 1.568 ug/l
RT: 4.37 min Scan# 456
Delta R.T. -0.00 min
Lab File: VW003885.D
Acq: 12 Jul 2018 00:52

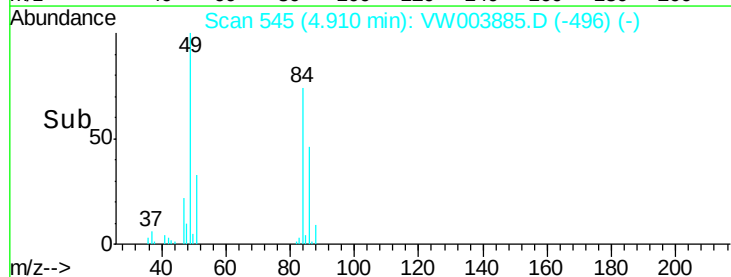
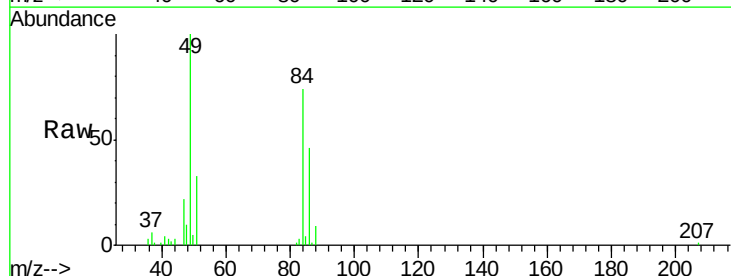
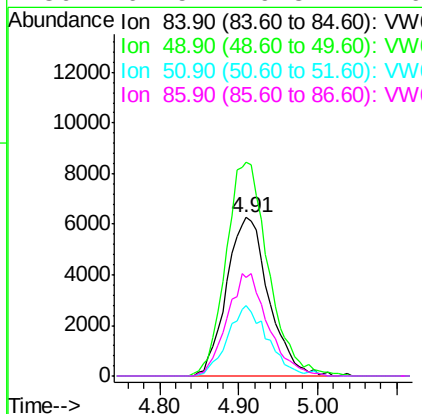
Instrument :
MSVOA_W
ClientSampleId :

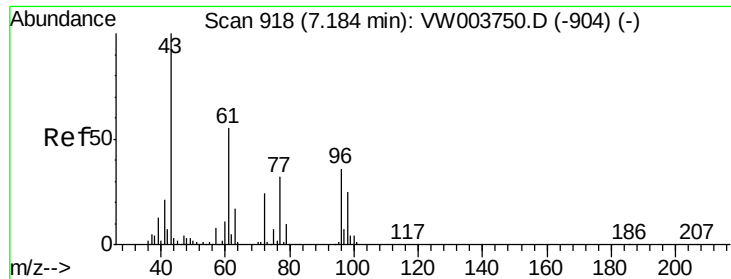
Tot Ion: 76 Resp: 8212
Ion Ratio Lower Upper
76 100
78 8.8 7.4 11.2



#20
Methylene Chloride
Concen: 8.789 ug/l
RT: 4.91 min Scan# 545
Delta R.T. 0.00 min
Lab File: VW003885.D
Acq: 12 Jul 2018 00:52

Tgt Ion: 84 Resp: 23321
Ion Ratio Lower Upper
84 100
49 134.6 105.1 157.7
51 44.6 32.5 48.7
86 62.5 49.8 74.6





#25

2-Butanone

Concen: 27.025 ug/l

RT: 7.18 min Scan# 918

Delta R.T. -0.00 min

Lab File: VW003885.D

Acq: 12 Jul 2018 00:52

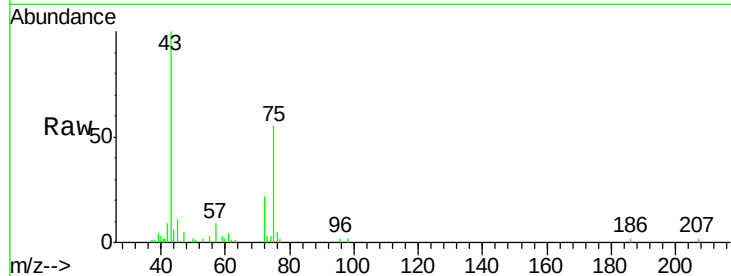
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 43 Resp: 16332

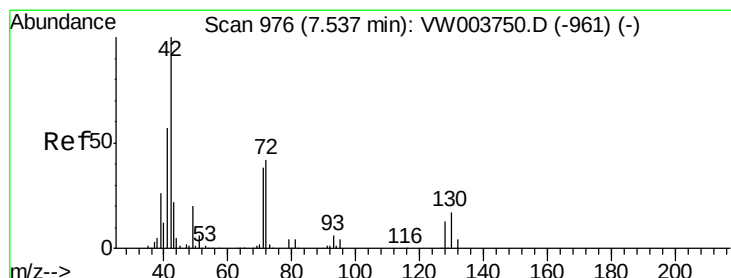
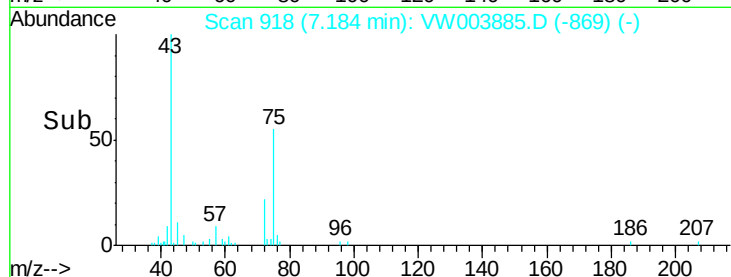
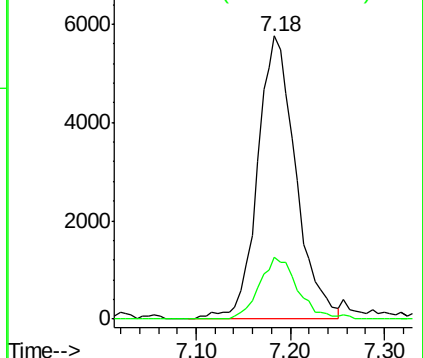
Ion Ratio Lower Upper

43 100

72 21.9 19.4 29.2



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 72.00 (71.70 to 72.70): VW



#29

Tetrahydrofuran

Concen: 1.390 ug/l

RT: 7.53 min Scan# 975

Delta R.T. -0.01 min

Lab File: VW003885.D

Acq: 12 Jul 2018 00:52

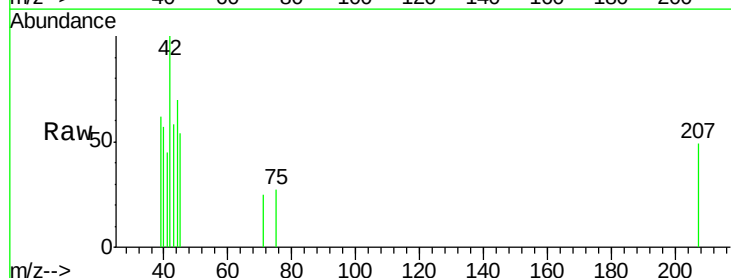
Tgt Ion: 42 Resp: 540

Ion Ratio Lower Upper

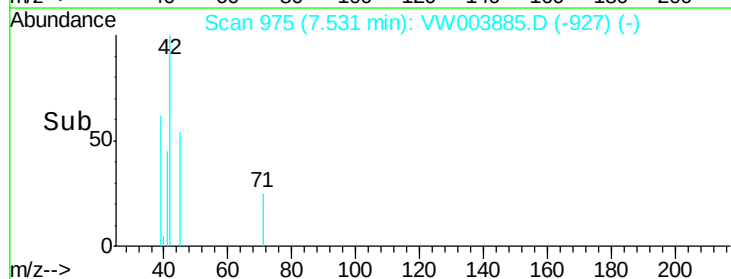
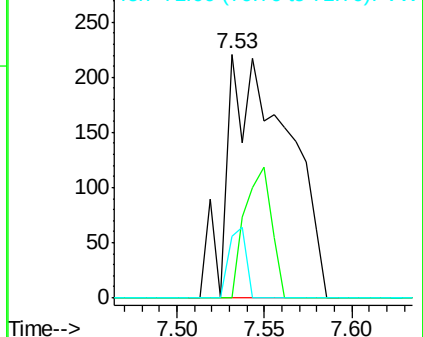
42 100

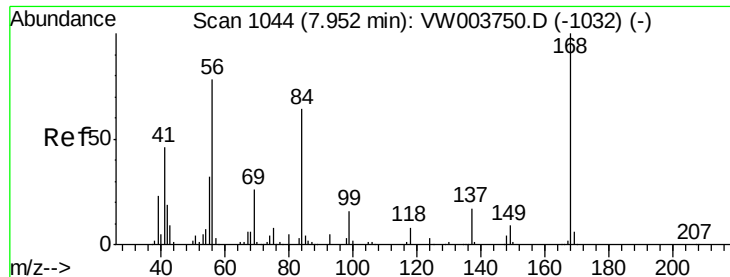
72 23.5 31.8 47.8#

71 8.1 30.3 45.5#



Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW

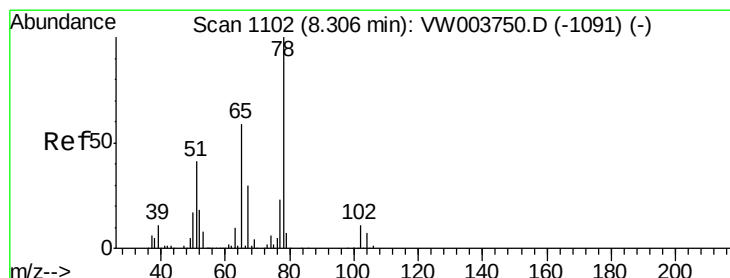
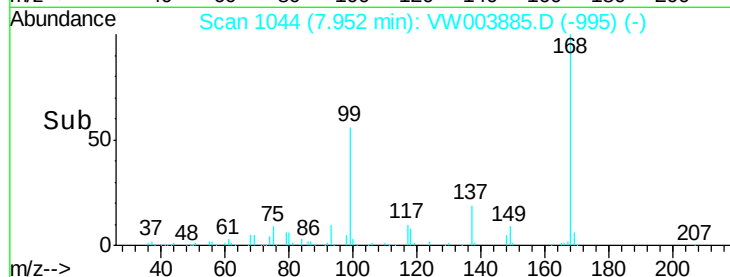
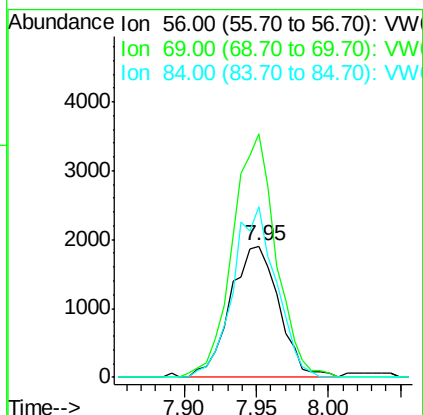
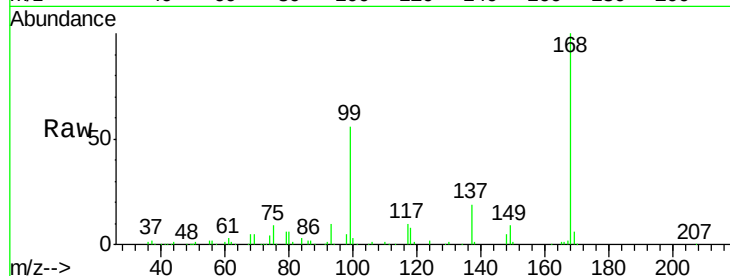




#31
Cyclohexane
Concen: 1.375 ug/l
RT: 7.95 min Scan# 1044
Delta R.T. -0.00 min
Lab File: VW003885.D
Acq: 12 Jul 2018 00:52

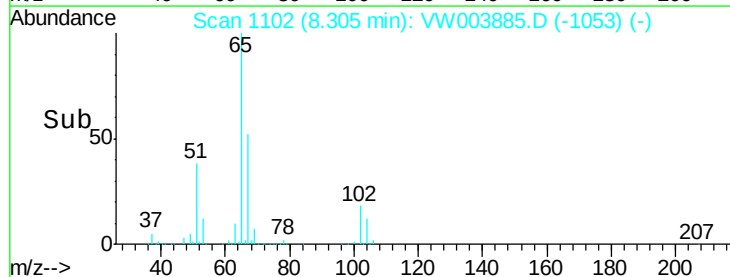
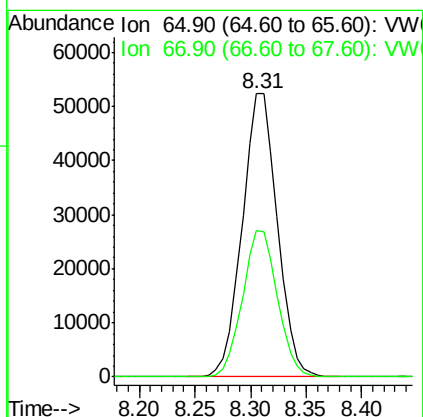
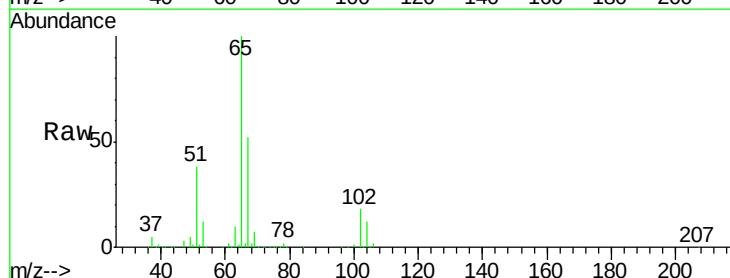
Instrument :
MSVOA_W
ClientSampled :

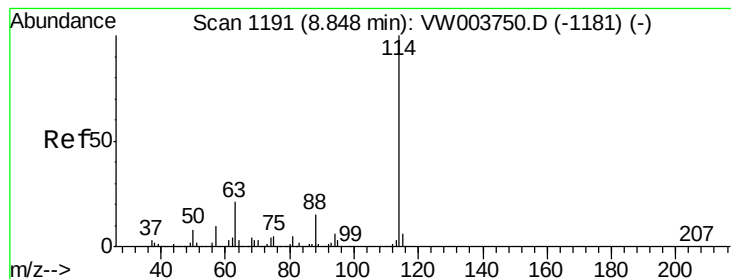
Tot Ion: 56 Resp: 4462
Ion Ratio Lower Upper
56 100
69 185.2 26.2 39.4#
84 129.5 65.5 98.3#



#33
1,2-Dichloroethane-d4
Concen: 51.648 ug/l
RT: 8.31 min Scan# 1102
Delta R.T. -0.00 min
Lab File: VW003885.D
Acq: 12 Jul 2018 00:52

Tgt Ion: 65 Resp: 114860
Ion Ratio Lower Upper
65 100
67 51.4 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: VW003885.D

Acq: 12 Jul 2018 00:52

Instrument :

MSVOA_W

ClientSampleId :

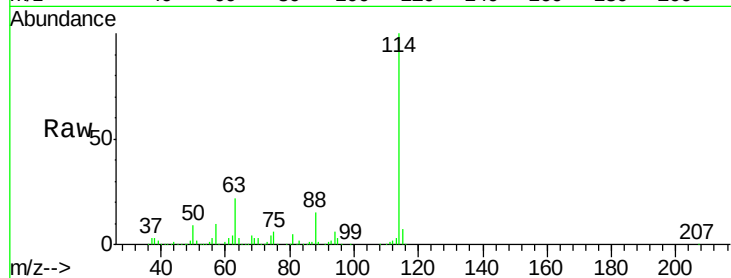
Tot Ion:114 Resp: 281274

Ion Ratio Lower Upper

114 100

63 21.7 0.0 41.8

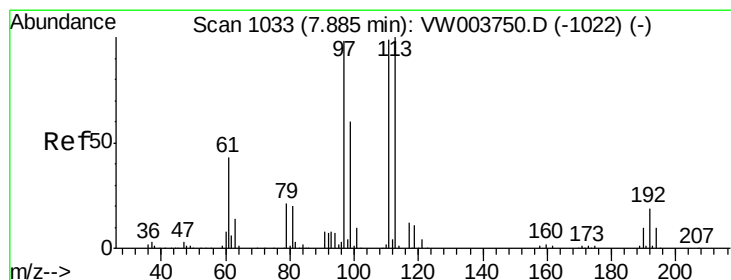
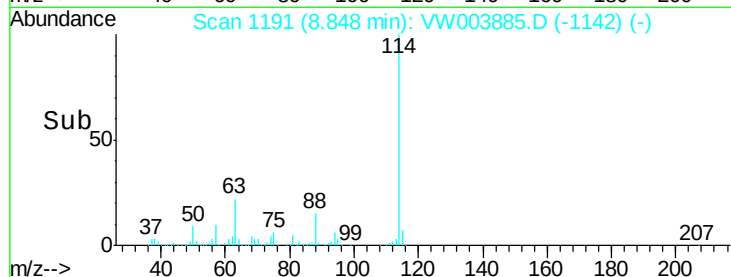
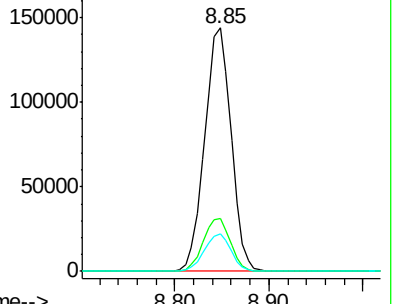
88 15.5 0.0 30.2



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW



#35

Dibromofluoromethane

Concen: 50.110 ug/l

RT: 7.88 min Scan# 1033

Delta R.T. -0.00 min

Lab File: VW003885.D

Acq: 12 Jul 2018 00:52

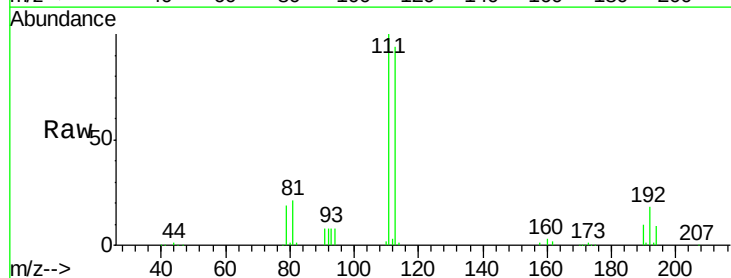
Tgt Ion:113 Resp: 98646

Ion Ratio Lower Upper

113 100

111 102.7 81.7 122.5

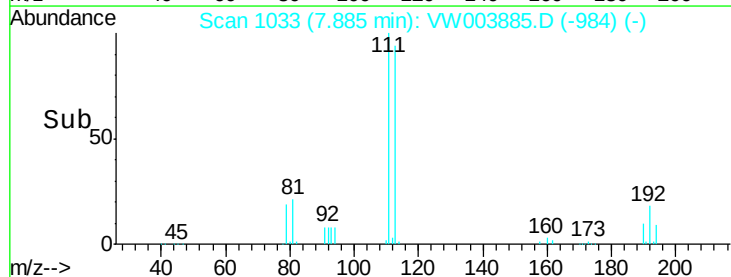
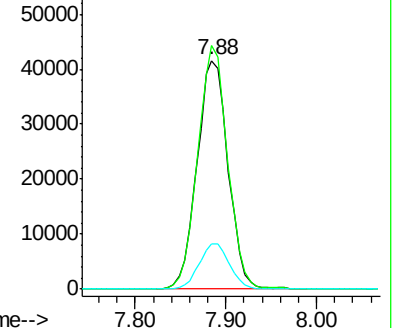
192 19.3 15.8 23.8

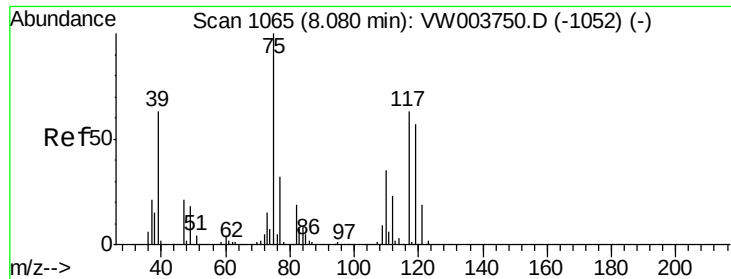


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

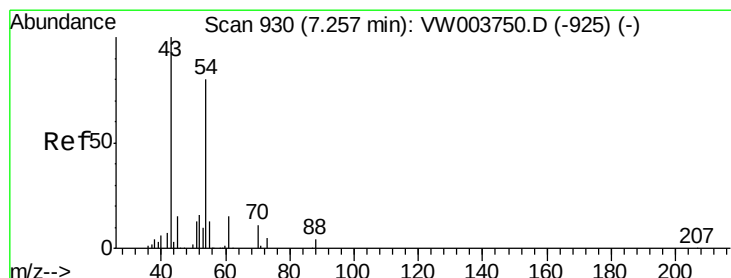
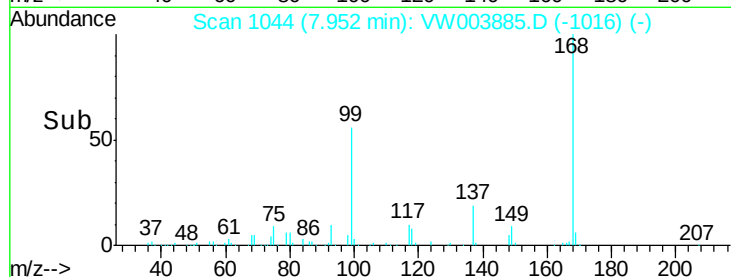
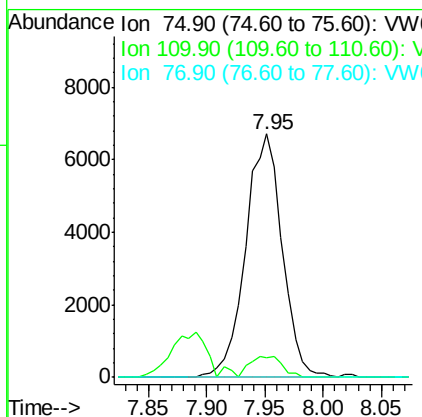
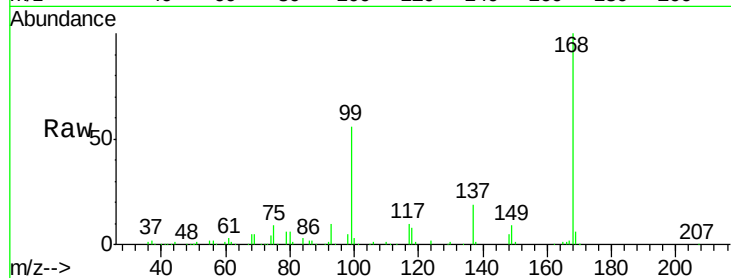




#36
 1,1-Dichloropropene
 Concen: 4.914 ug/l
 RT: 7.95 min Scan# 1044
 Delta R.T. -0.13 min
 Lab File: VW003885.D
 Acq: 12 Jul 2018 00:52

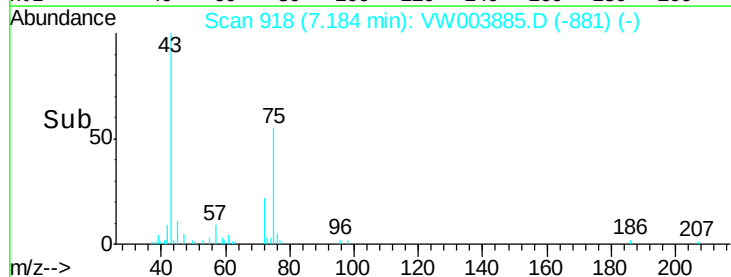
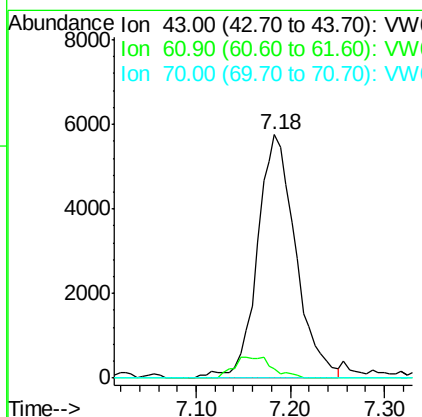
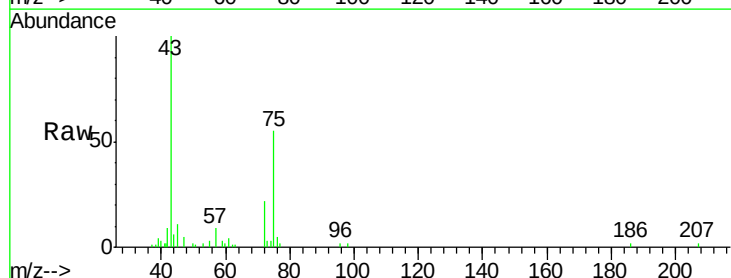
Instrument :
 MSVOA_W
 ClientSampleId :

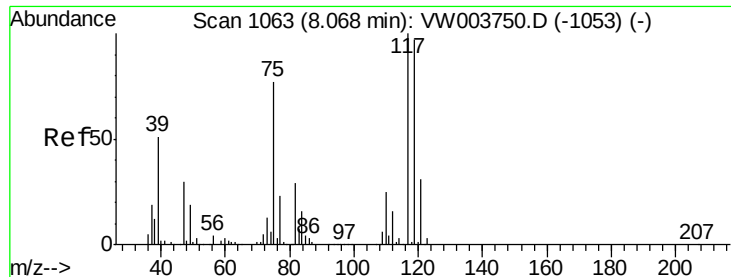
Tot Ion: 75 Resp: 14667
 Ion Ratio Lower Upper
 75 100
 110 7.8 16.9 50.6#
 77 0.0 24.8 37.2#



#37
 Ethyl Acetate
 Concen: 11.247 ug/l
 RT: 7.18 min Scan# 918
 Delta R.T. -0.07 min
 Lab File: VW003885.D
 Acq: 12 Jul 2018 00:52

Tgt Ion: 43 Resp: 16332
 Ion Ratio Lower Upper
 43 100
 61 0.0 10.6 15.8#
 70 0.0 7.5 11.3#

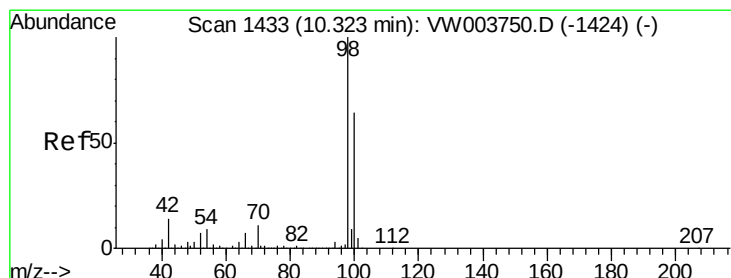
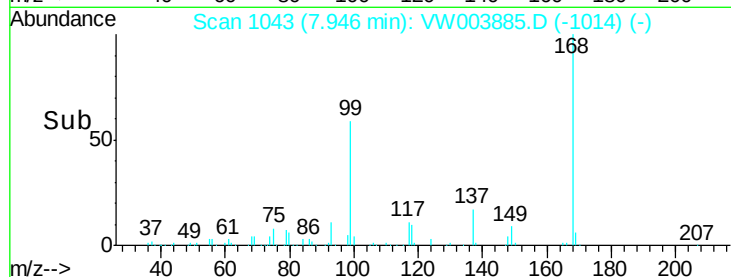
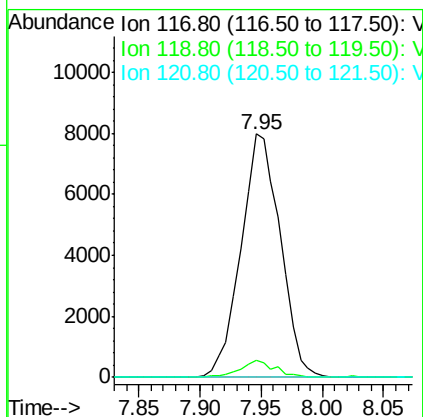
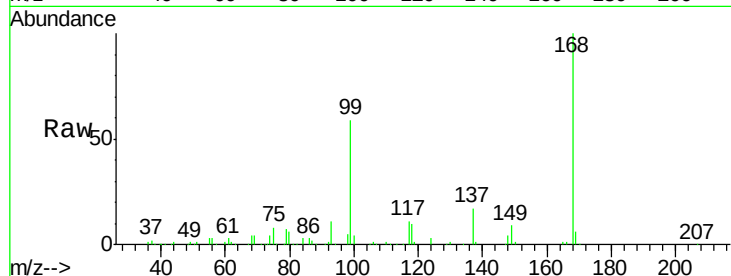




#38
Carbon Tetrachloride
Concen: 6.267 ug/l
RT: 7.95 min Scan# 1043
Delta R.T. -0.12 min
Lab File: VW003885.D
Acq: 12 Jul 2018 00:52

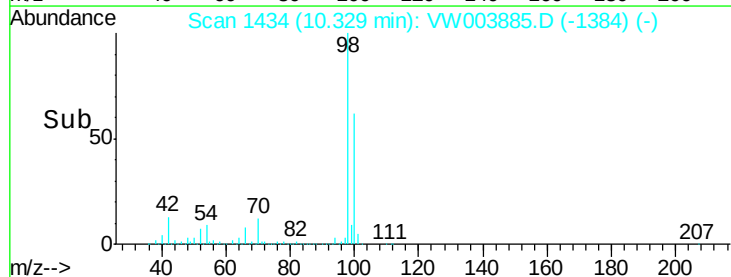
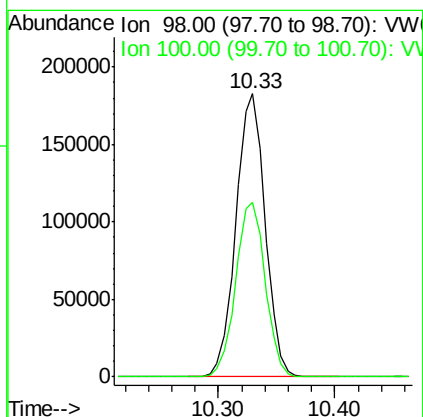
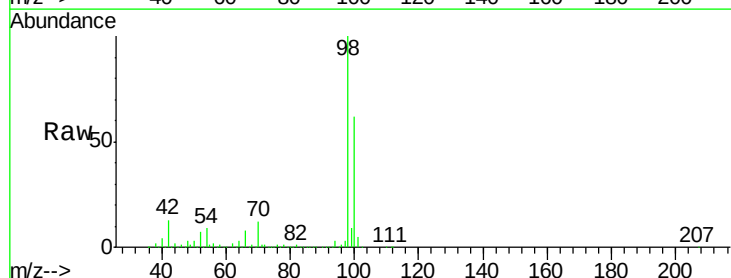
Instrument :
MSVOA_W
ClientSampleId :

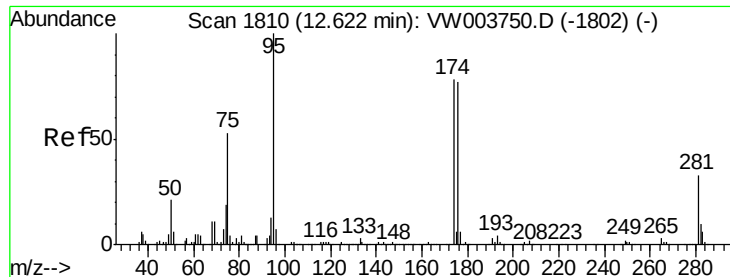
Tot Ion:117 Resp: 17782
Ion Ratio Lower Upper
117 100
119 7.2 77.4 116.2#
121 0.0 24.6 37.0#



#50
Toluene-d8
Concen: 42.454 ug/l
RT: 10.33 min Scan# 1434
Delta R.T. 0.01 min
Lab File: VW003885.D
Acq: 12 Jul 2018 00:52

Tgt Ion: 98 Resp: 319695
Ion Ratio Lower Upper
98 100
100 62.6 50.8 76.2

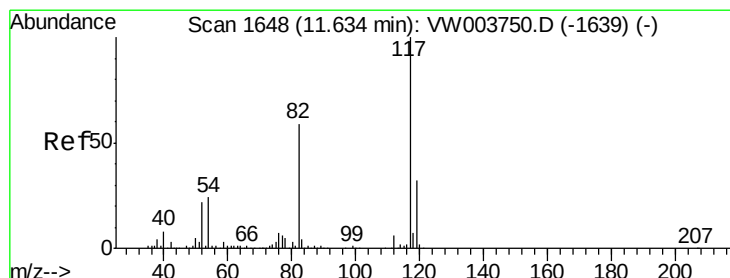
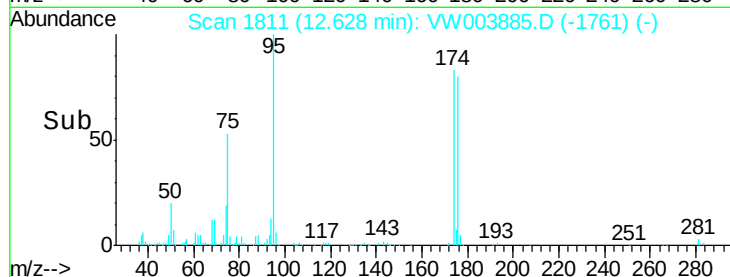
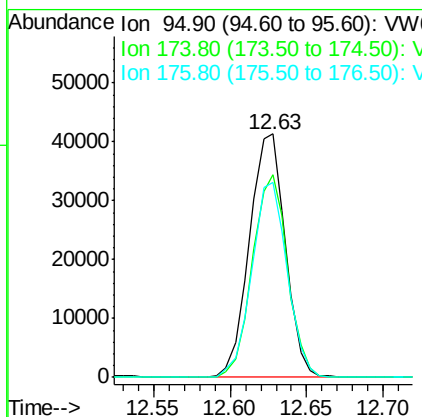
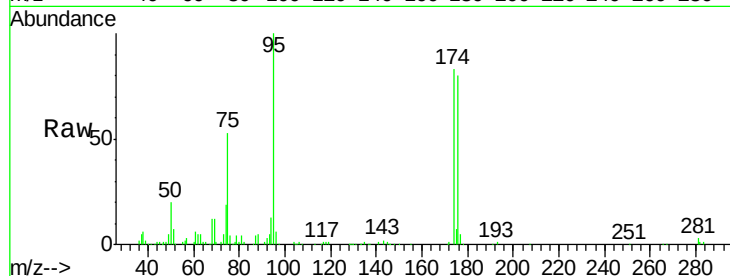




#62
4-Bromofluorobenzene
Concen: 24.789 ug/l
RT: 12.63 min Scan# 1811
Delta R.T. 0.01 min
Lab File: VW003885.D
Acq: 12 Jul 2018 00:52

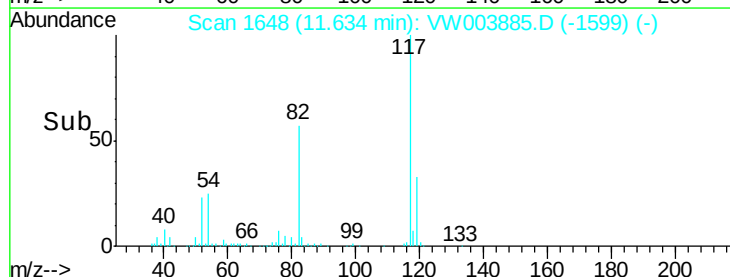
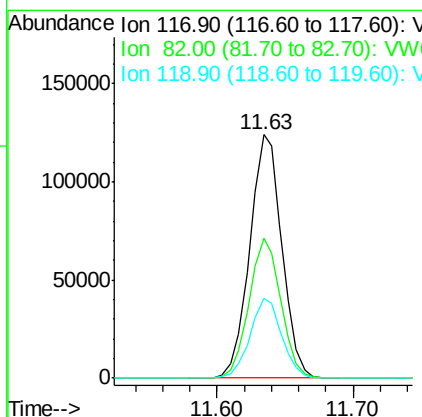
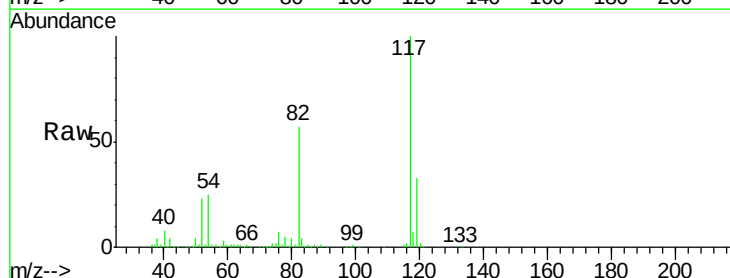
Instrument :
MSVOA_W
ClientSampled :

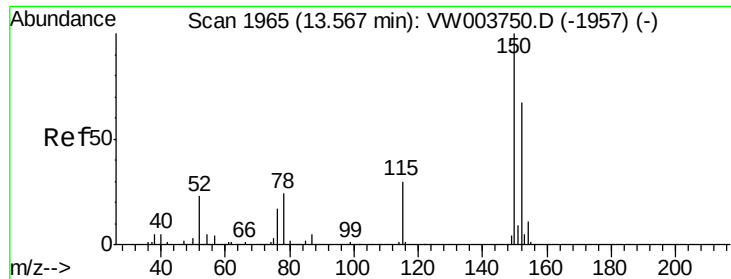
Tot Ion: 95 Resp: 67539
Ion Ratio Lower Upper
95 100
174 81.8 0.0 163.4
176 79.3 0.0 156.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. -0.00 min
Lab File: VW003885.D
Acq: 12 Jul 2018 00:52

Tgt Ion: 117 Resp: 204732
Ion Ratio Lower Upper
117 100
82 57.3 46.9 70.3
119 32.7 25.5 38.3



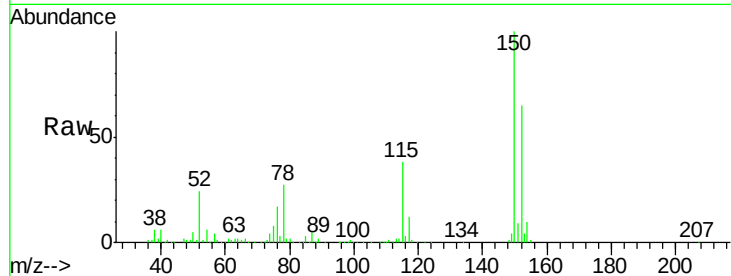


#72

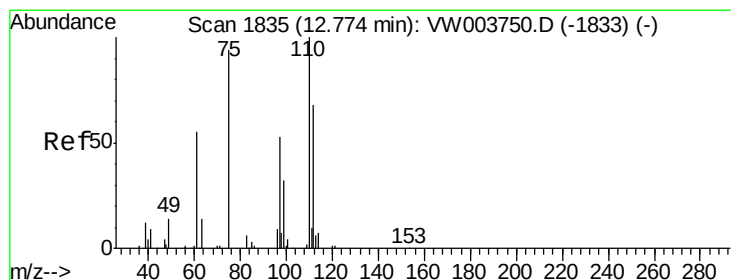
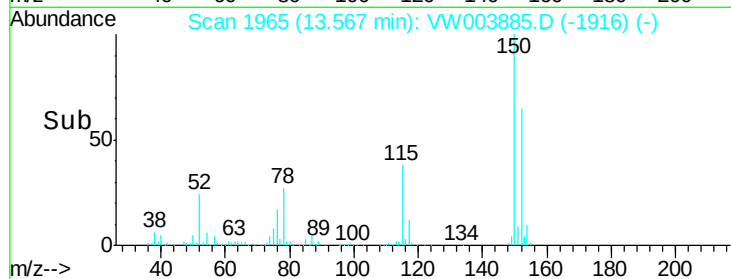
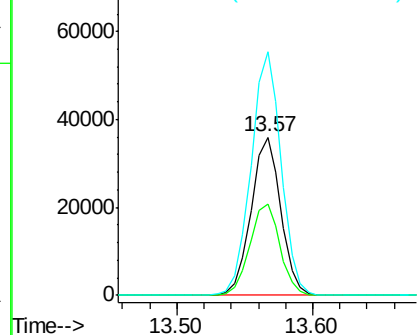
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1965
Delta R.T. -0.00 min
Lab File: VW003885.D
Acq: 12 Jul 2018 00:52

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:152 Resp: 55100
Ion Ratio Lower Upper
152 100
115 58.9 28.9 86.8
150 155.3 0.0 342.4



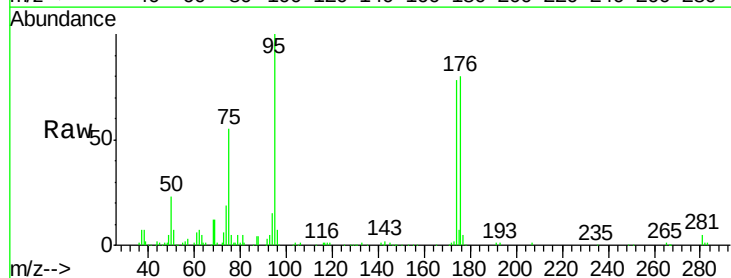
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



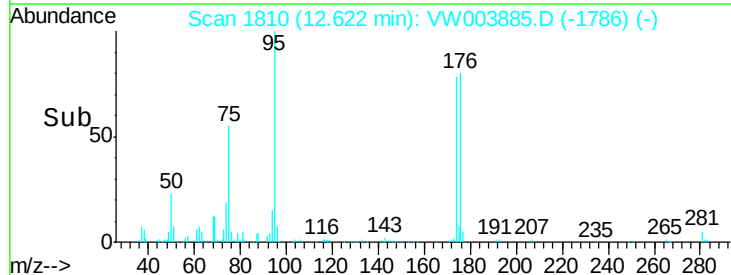
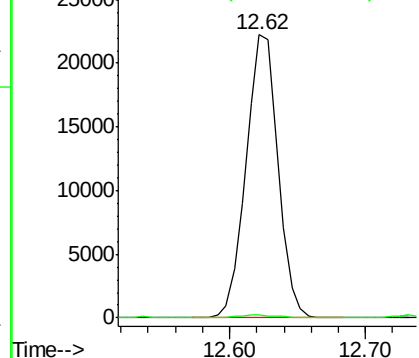
#76

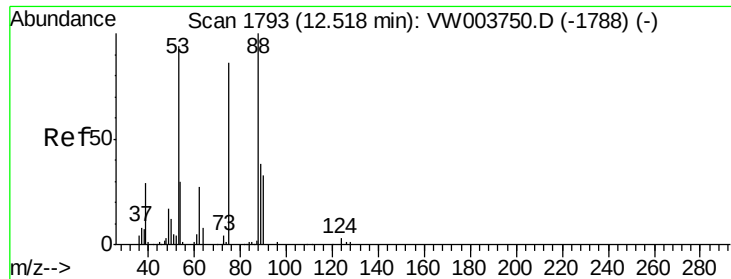
1,2,3-Trichloropropane
Concen: 67.612 ug/l
RT: 12.62 min Scan# 1810
Delta R.T. -0.15 min
Lab File: VW003885.D
Acq: 12 Jul 2018 00:52

Tgt Ion: 75 Resp: 36583
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW
Ion 77.00 (76.70 to 77.70): VW





#81

trans-1,4-Dichloro-2-butene

Concen: 165.395 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. 0.10 min

Lab File: VW003885.D

Acq: 12 Jul 2018 00:52

Instrument :

MSVOA_W

ClientSampleId :

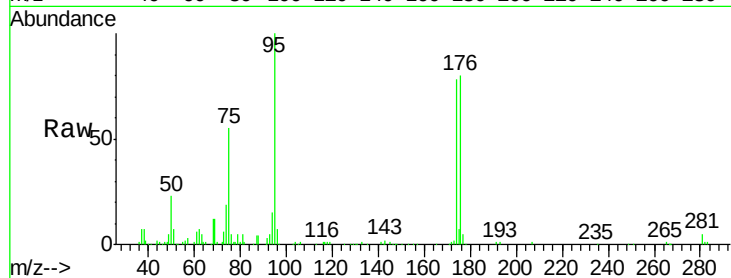
Tot Ion: 75 Resp: 36583

Ion Ratio Lower Upper

75 100

53 0.2 85.0 127.6#

89 0.0 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

