

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW070918\
 Data File : VW003814.D
 Acq On : 10 Jul 2018 08:54
 Operator : SY/AP
 Sample : J3880-16
 Misc : 4.95G/5ML/MSVOA W/SOIL
 ALS Vial : 52 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jul 10 10:47:21 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	100031	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	166411	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	121636	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	32242	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	37072	28.34	ug/l	0.00
Spiked Amount			Recovery	=	56.68%	
35) Dibromofluoromethane	7.88	113	32343	27.77	ug/l	0.00
Spiked Amount			Recovery	=	55.54%	
50) Toluene-d8	10.33	98	77349	17.36	ug/l	0.00
Spiked Amount			Recovery	=	34.72%	
62) 4-Bromofluorobenzene	12.62	95	18162	11.27	ug/l	0.00
Spiked Amount			Recovery	=	22.54%	

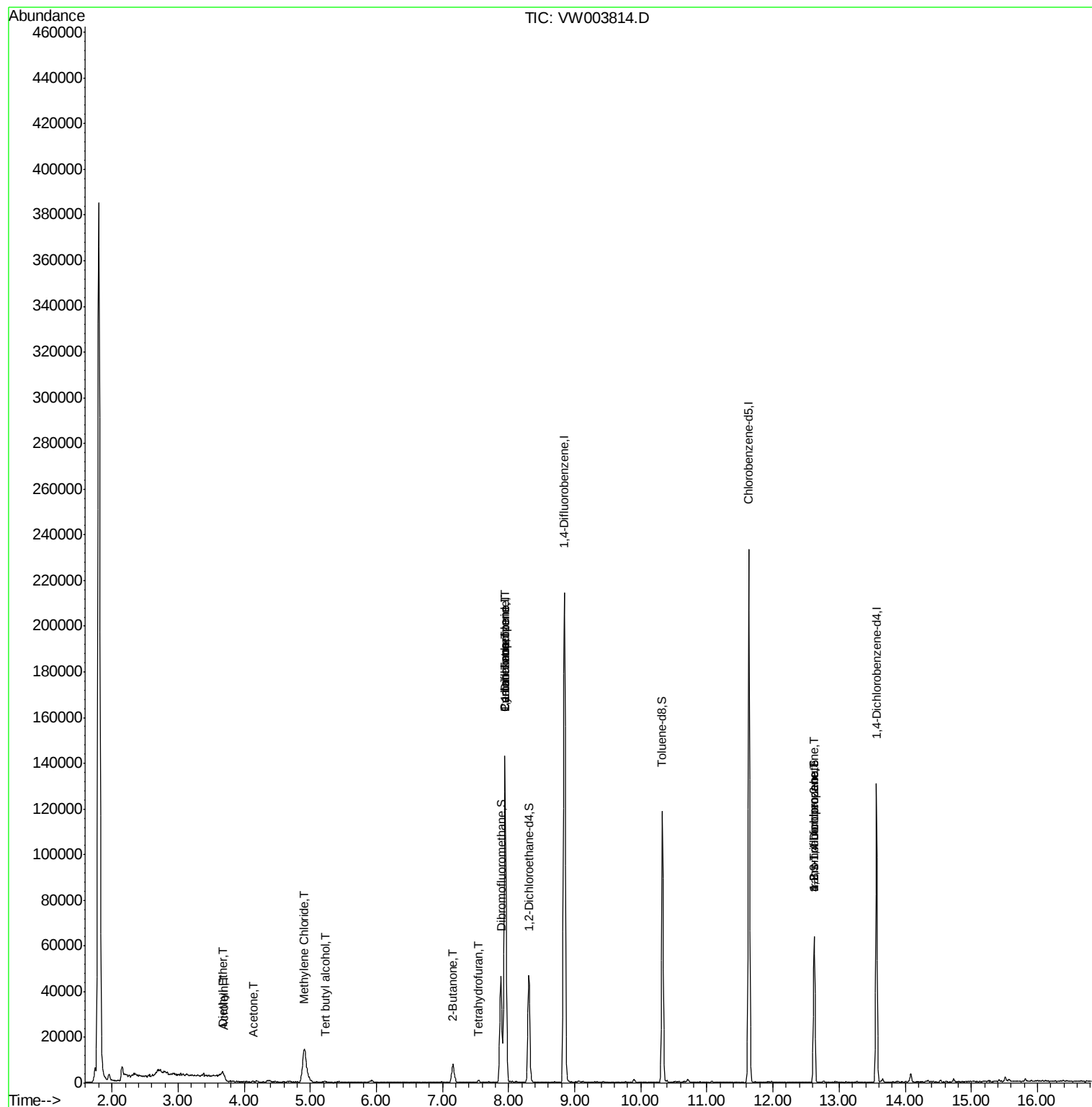
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.67	74	713	1.414	ug/l #	9
11) Tert butyl alcohol	5.23	59	244	3.442	ug/l #	70
13) Acrolein	3.70	56	61	5.250	ug/l #	14
16) Acetone	4.14	43	920	4.054	ug/l #	87
20) Methylene Chloride	4.91	84	14391	9.456	ug/l #	84
25) 2-Butanone	7.15	43	629	1.769	ug/l #	51
29) Tetrahydrofuran	7.54	42	378	1.654	ug/l #	77
31) Cyclohexane	7.95	56	2799	1.466	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	8883	5.031	ug/l #	51
38) Carbon Tetrachloride	7.95	117	10565	6.293	ug/l #	18
76) 1,2,3-Trichloropropane	12.62	75	9939	31.392	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	9939	76.792	ug/l #	7

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

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QLast Update : Sat Jul 07 05:07:25 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 1043

Delta R.T. -0.01 min

Lab File: VW003814.D

Acq: 10 Jul 2018 08:54

Instrument :

MSVOA_W

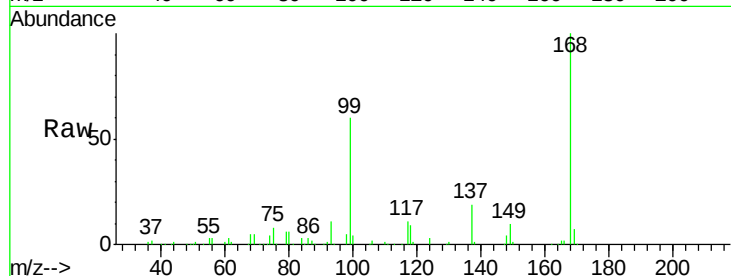
ClientSampled :

Tot Ion:168 Resp: 100031

Ion Ratio Lower Upper

168 100

99 59.8 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

50000

40000

30000

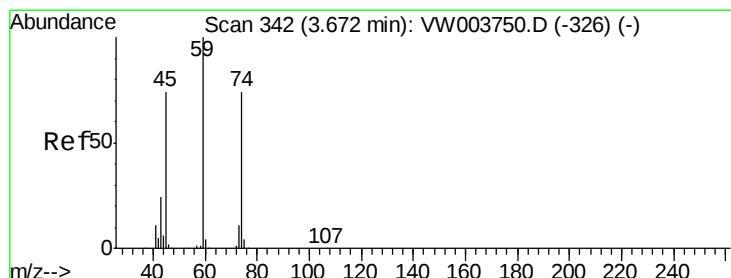
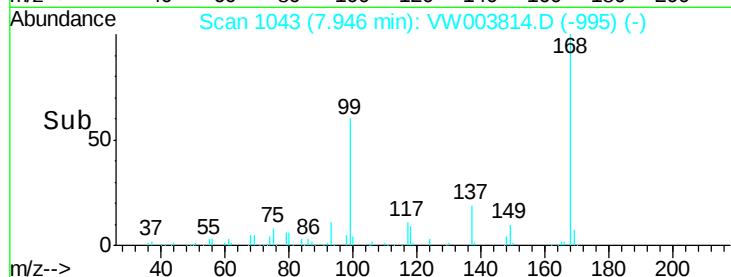
20000

10000

0

7.85 7.90 7.95 8.00 8.05

Time-->



#8

Diethyl Ether

Concen: 1.414 ug/l

RT: 3.67 min Scan# 341

Delta R.T. -0.01 min

Lab File: VW003814.D

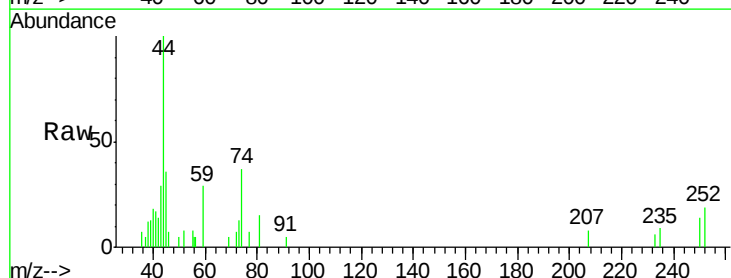
Acq: 10 Jul 2018 08:54

Tgt Ion: 74 Resp: 713

Ion Ratio Lower Upper

74 100

45 198.2 52.4 157.2#



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

3.67

500

400

300

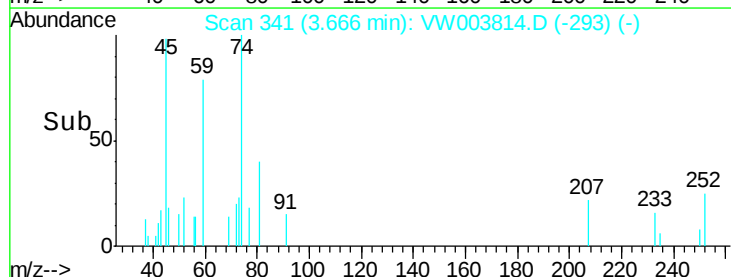
200

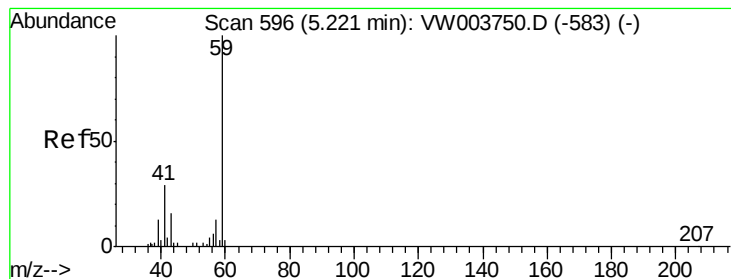
100

0

3.60 3.65 3.70

Time-->



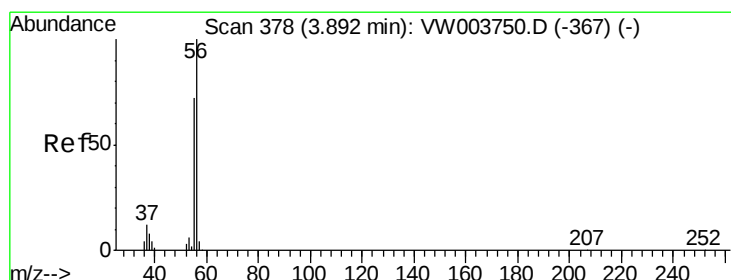
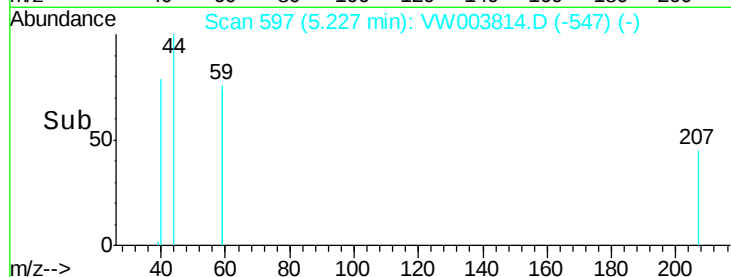
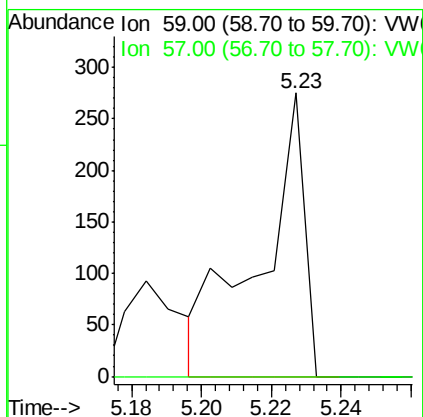
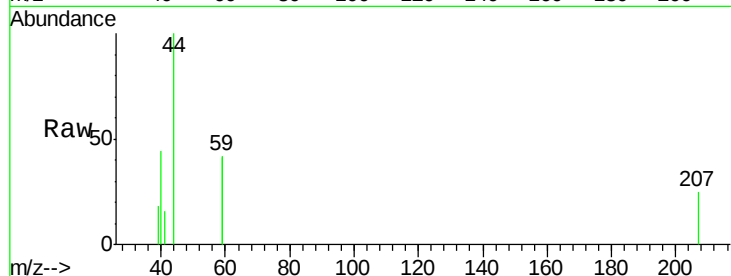


#11

Tert butyl alcohol
 Concen: 3.442 ug/l
 RT: 5.23 min Scan# 597
 Delta R.T. 0.01 min
 Lab File: VW003814.D
 Acq: 10 Jul 2018 08:54

Instrument :
 MSVOA_W
 ClientSampled :

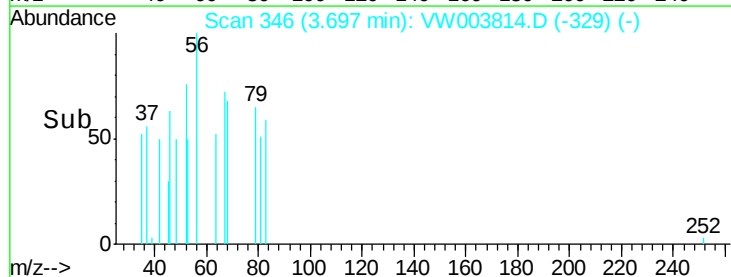
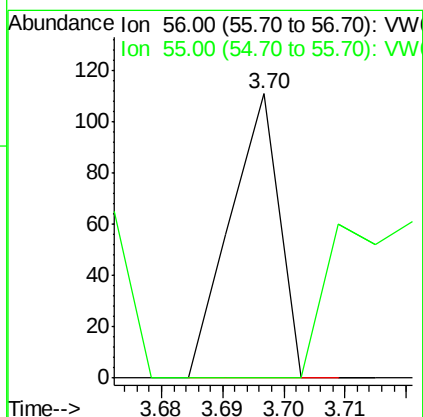
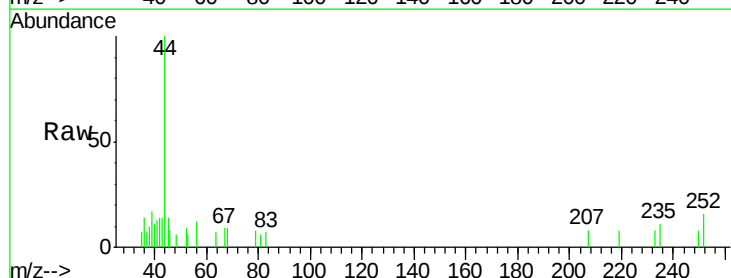
Tot Ion: 59 Resp: 244
 Ion Ratio Lower Upper
 59 100
 57 0.0 9.3 13.9#

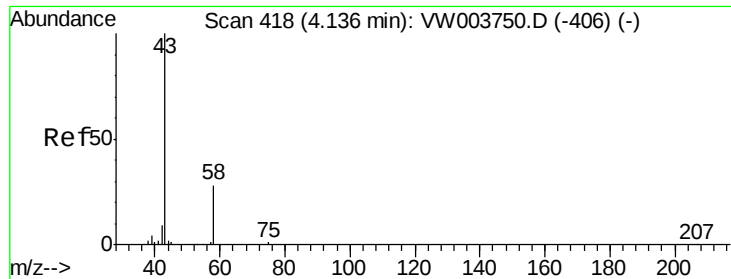


#13

Acrolein
 Concen: 5.250 ug/l
 RT: 3.70 min Scan# 346
 Delta R.T. -0.19 min
 Lab File: VW003814.D
 Acq: 10 Jul 2018 08:54

Tgt Ion: 56 Resp: 61
 Ion Ratio Lower Upper
 56 100
 55 0.0 57.5 86.3#

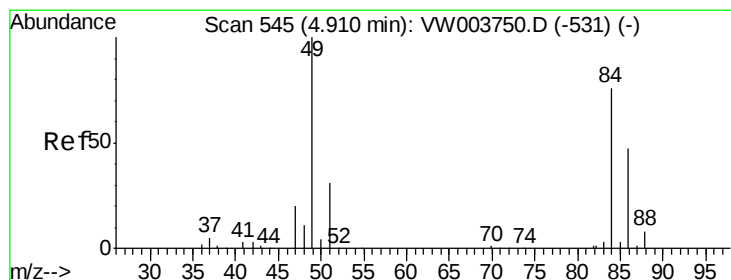
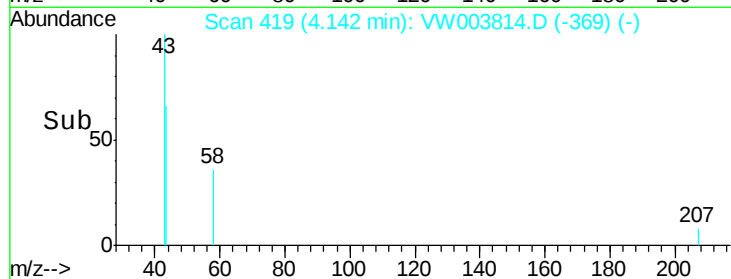
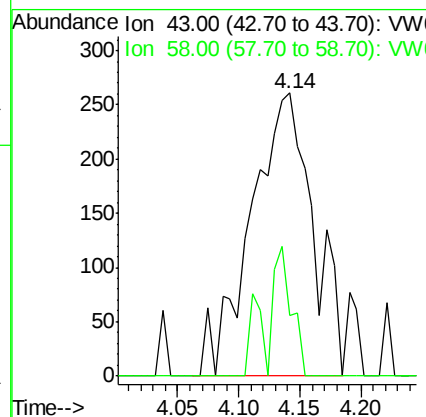
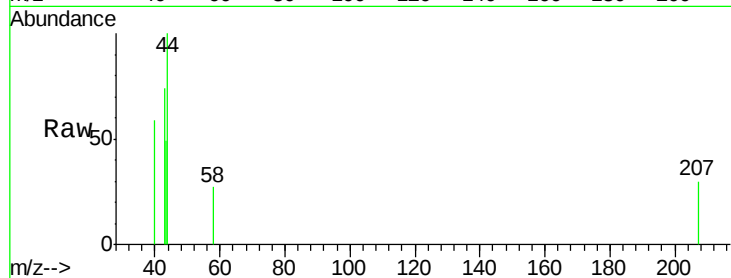




#16
Acetone
Concen: 4.054 ug/l
RT: 4.14 min Scan# 419
Delta R.T. 0.01 min
Lab File: VW003814.D
Acq: 10 Jul 2018 08:54

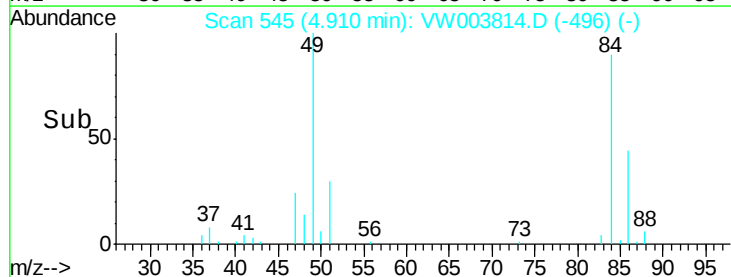
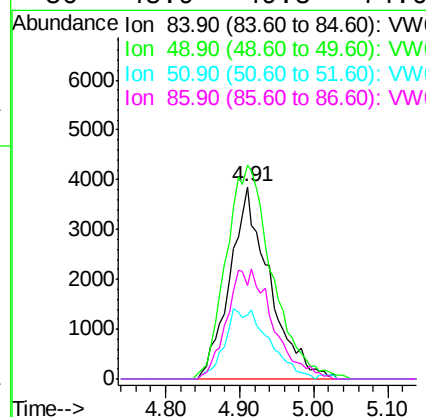
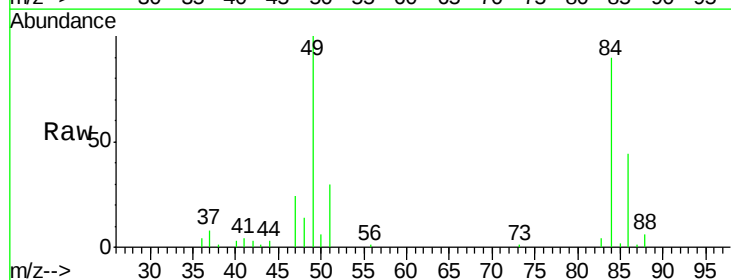
Instrument :
MSVOA_W
ClientSampleId :

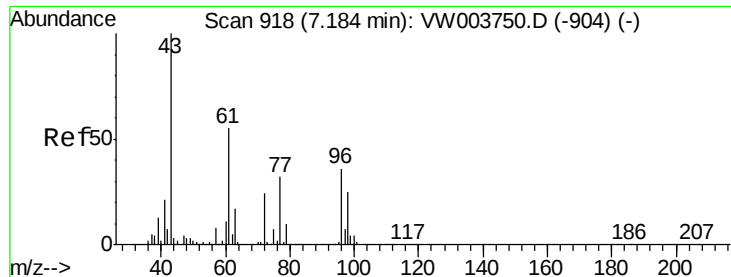
Tot Ion: 43 Resp: 920
Ion Ratio Lower Upper
43 100
58 21.5 22.6 34.0#



#20
Methylene Chloride
Concen: 9.456 ug/l
RT: 4.91 min Scan# 545
Delta R.T. 0.00 min
Lab File: VW003814.D
Acq: 10 Jul 2018 08:54

Tgt Ion: 84 Resp: 14391
Ion Ratio Lower Upper
84 100
49 111.0 105.1 157.7
51 33.5 32.5 48.7
86 48.9 49.8 74.6#





#25

2-Butanone

Concen: 1.769 ug/l

RT: 7.15 min Scan# 912

Delta R.T. -0.04 min

Lab File: VW003814.D

Acq: 10 Jul 2018 08:54

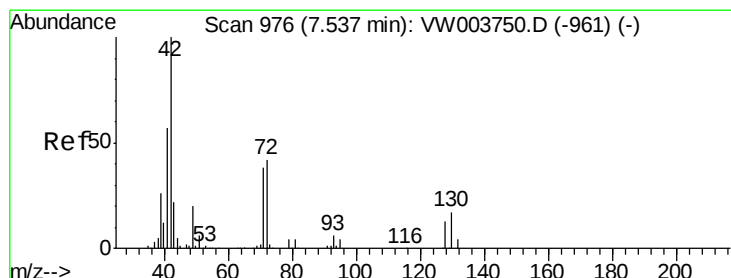
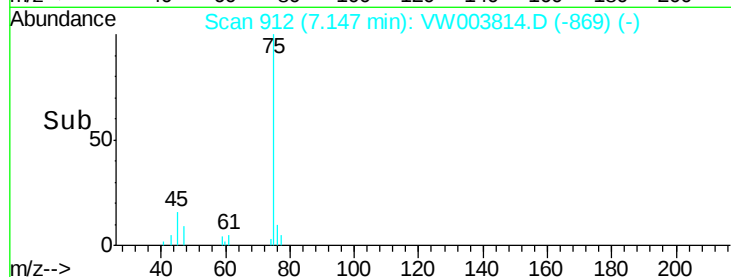
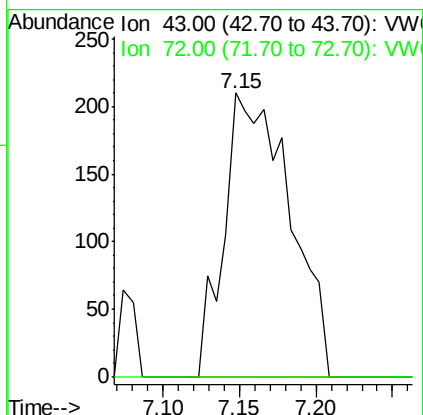
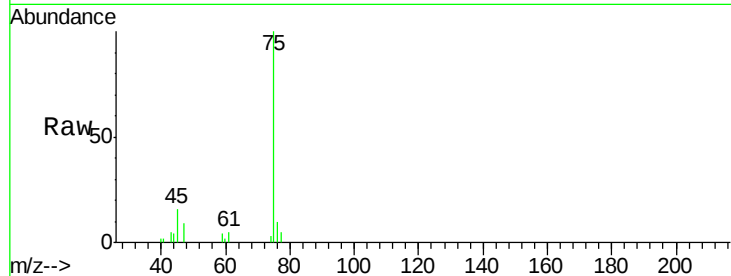
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 629

Ion Ratio Lower Upper

43 100

72 0.0 19.4 29.2#



#29

Tetrahydrofuran

Concen: 1.654 ug/l

RT: 7.54 min Scan# 976

Delta R.T. 0.00 min

Lab File: VW003814.D

Acq: 10 Jul 2018 08:54

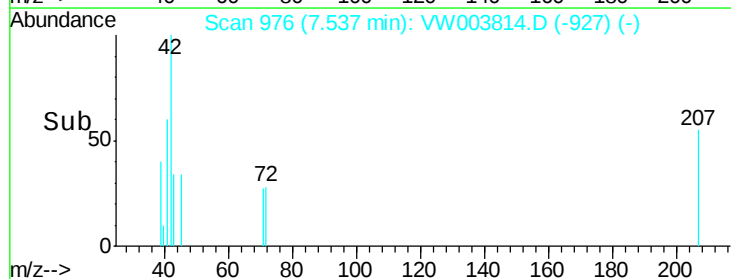
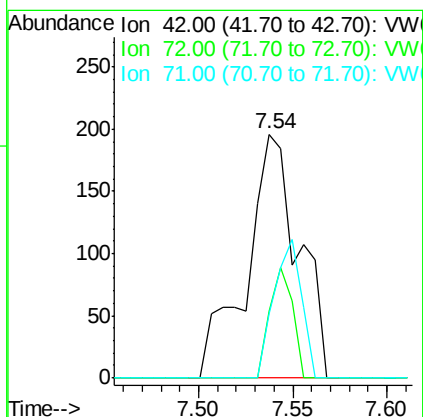
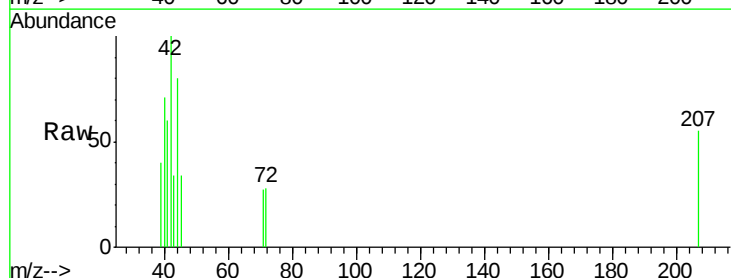
Tgt Ion: 42 Resp: 378

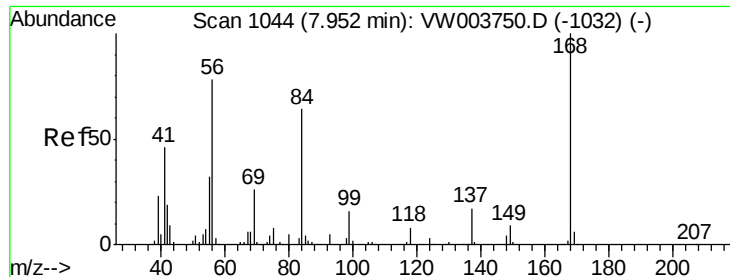
Ion Ratio Lower Upper

42 100

72 19.8 31.8 47.8#

71 29.9 30.3 45.5#





#31

Cyclohexane

Concen: 1.466 ug/l

RT: 7.95 min Scan# 1043

Delta R.T. -0.01 min

Lab File: VW003814.D

Acq: 10 Jul 2018 08:54

Instrument :
MSVOA_W
ClientSampled :

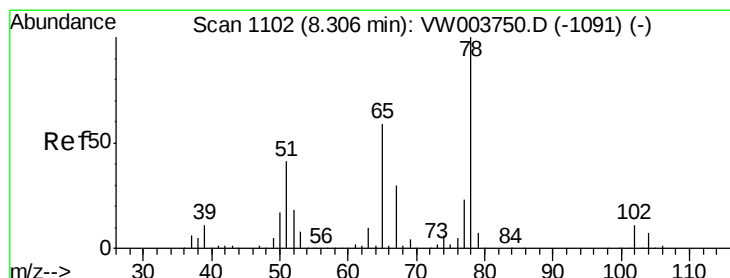
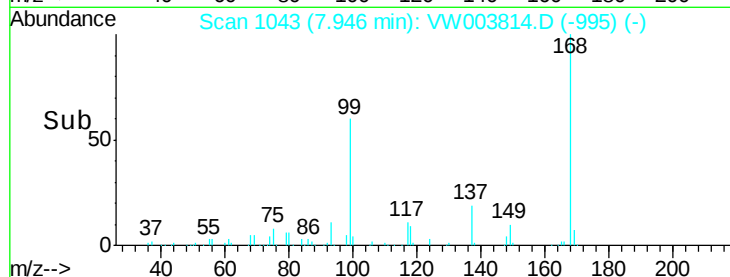
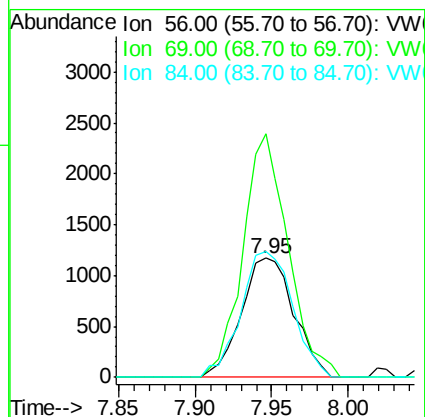
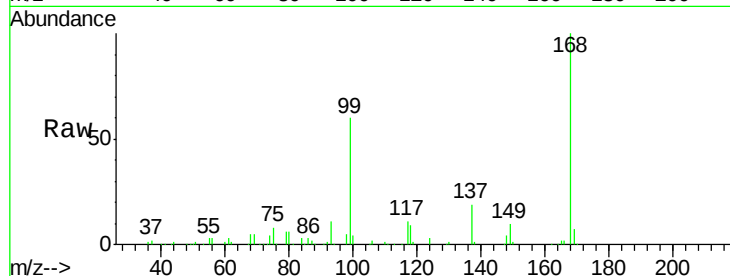
Tot Ion: 56 Resp: 2799

Ion Ratio Lower Upper

56 100

69 204.1 26.2 39.4#

84 105.1 65.5 98.3#



#33

1,2-Dichloroethane-d4

Concen: 28.340 ug/l

RT: 8.31 min Scan# 1102

Delta R.T. 0.00 min

Lab File: VW003814.D

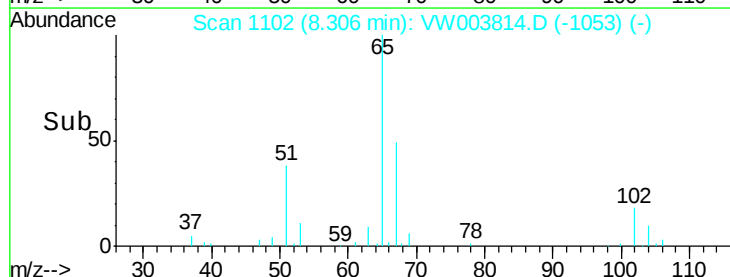
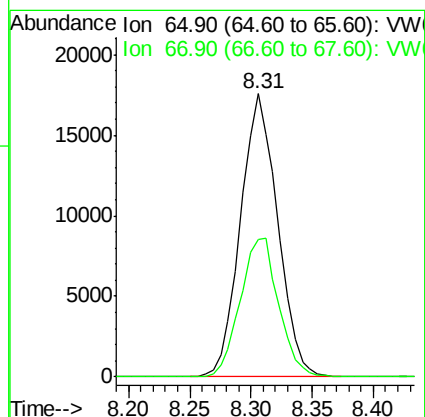
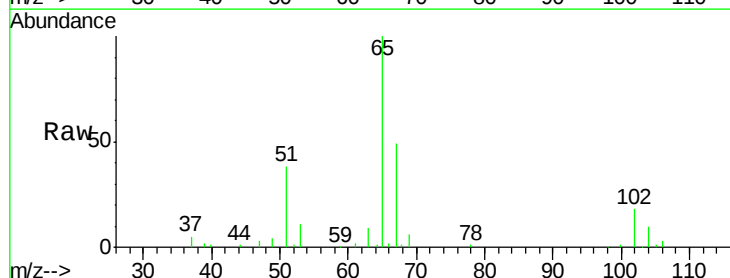
Acq: 10 Jul 2018 08:54

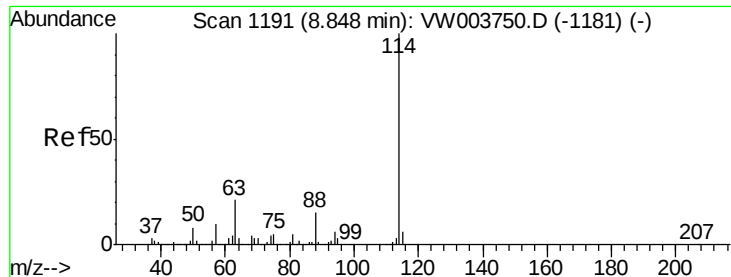
Tgt Ion: 65 Resp: 37072

Ion Ratio Lower Upper

65 100

67 50.6 0.0 103.8

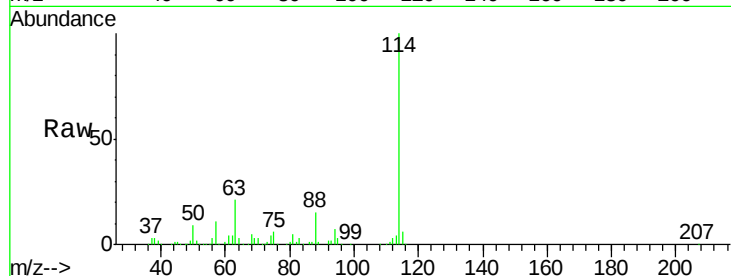




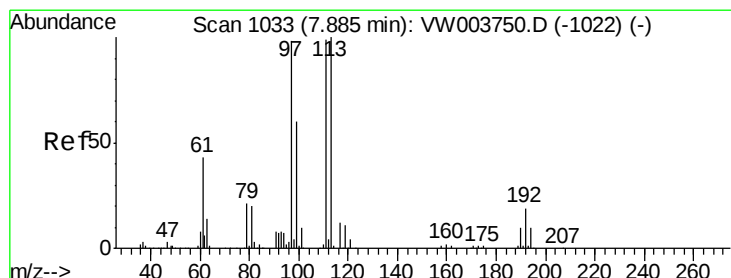
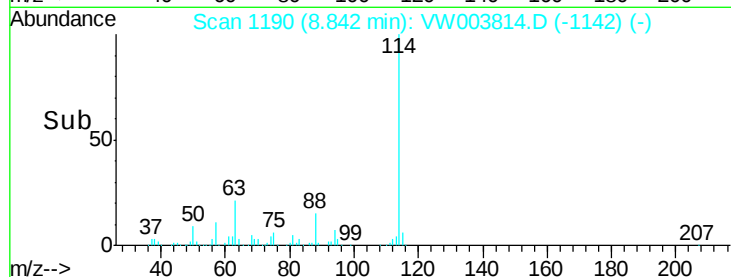
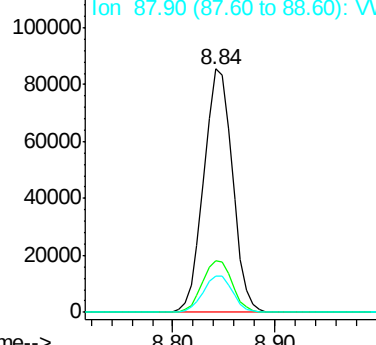
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1190
 Delta R.T. -0.01 min
 Lab File: VW003814.D
 Acq: 10 Jul 2018 08:54

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
114	100		
63	21.2	0.0	41.8
88	14.8	0.0	30.2

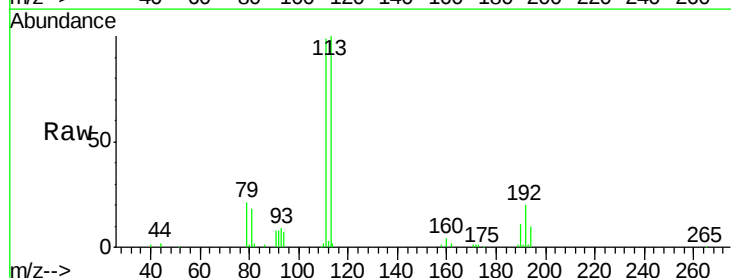


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

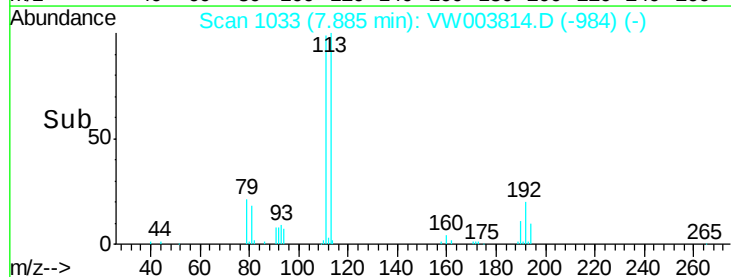
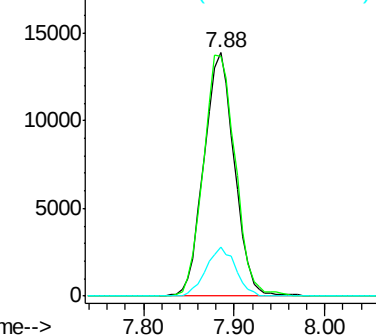


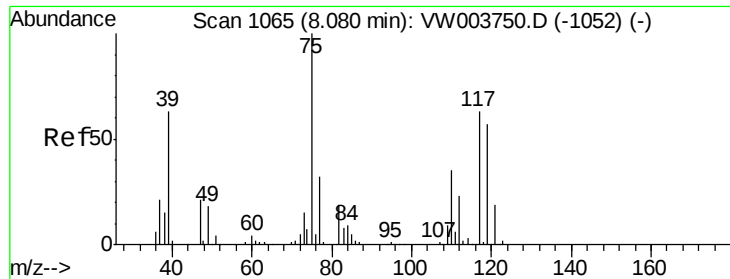
#35
 Dibromofluoromethane
 Concen: 27.770 ug/l
 RT: 7.88 min Scan# 1033
 Delta R.T. 0.00 min
 Lab File: VW003814.D
 Acq: 10 Jul 2018 08:54

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.6	81.7	122.5
192	19.6	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: 5.031 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.13 min

Lab File: VW003814.D

Acq: 10 Jul 2018 08:54

Instrument :
MSVOA_W
ClientSampled :

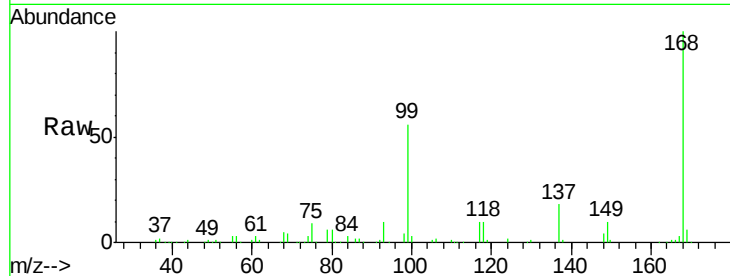
Tot Ion: 75 Resp: 8883

Ion Ratio Lower Upper

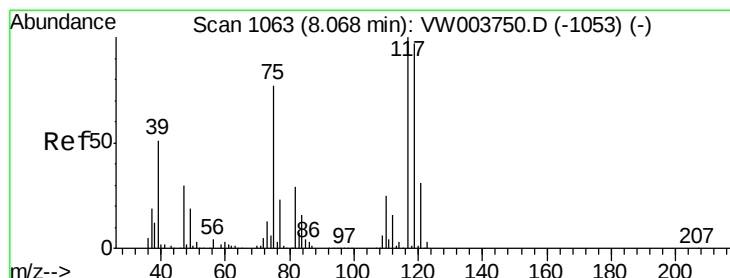
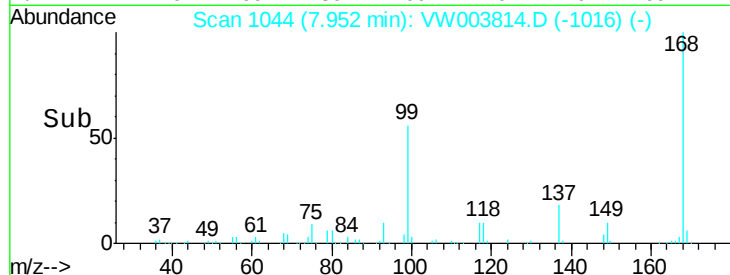
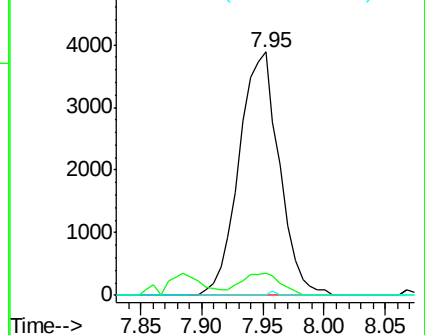
75 100

110 9.0 16.9 50.6#

77 0.2 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



#38

Carbon Tetrachloride

Concen: 6.293 ug/l

RT: 7.95 min Scan# 1043

Delta R.T. -0.12 min

Lab File: VW003814.D

Acq: 10 Jul 2018 08:54

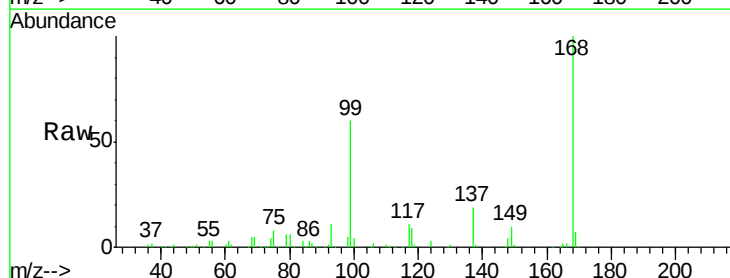
Tgt Ion: 117 Resp: 10565

Ion Ratio Lower Upper

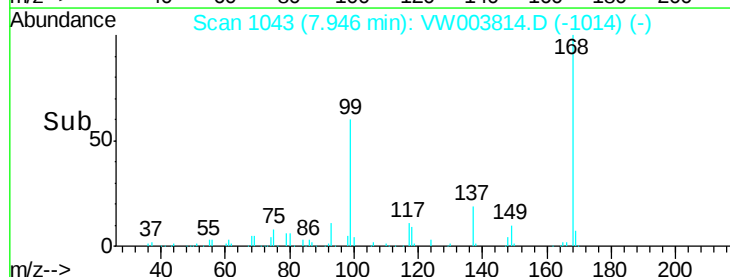
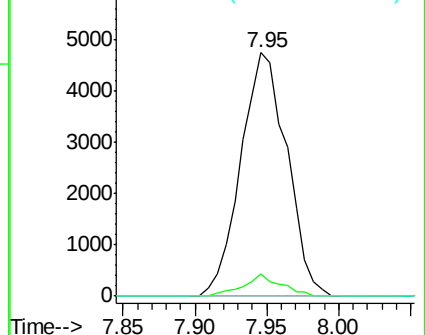
117 100

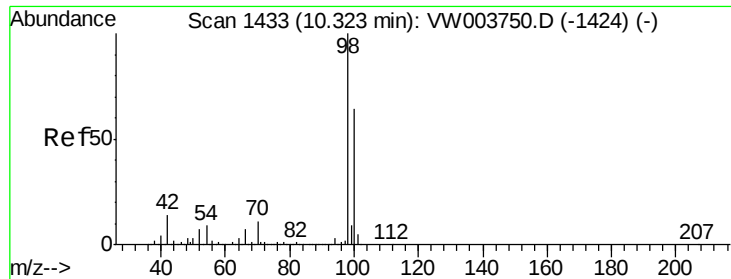
119 8.9 77.4 116.2#

121 0.0 24.6 37.0#



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V





#50

Toluene-d8

Concen: 17.362 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. 0.01 min

Lab File: VW003814.D

Acq: 10 Jul 2018 08:54

Instrument :

MSVOA_W

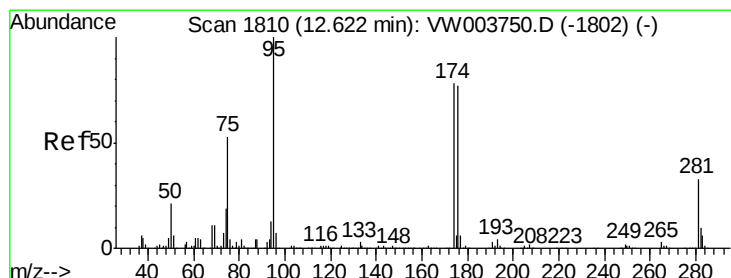
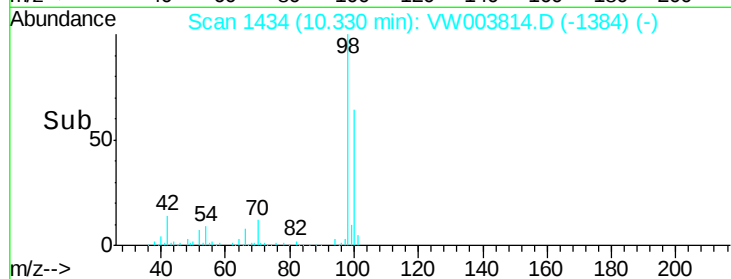
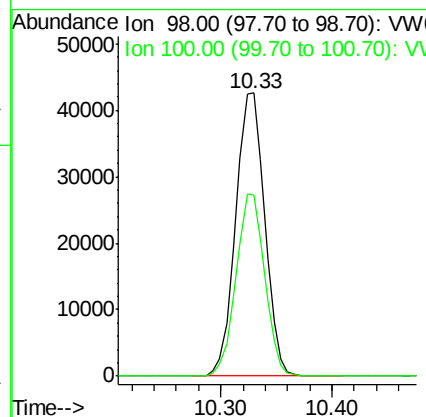
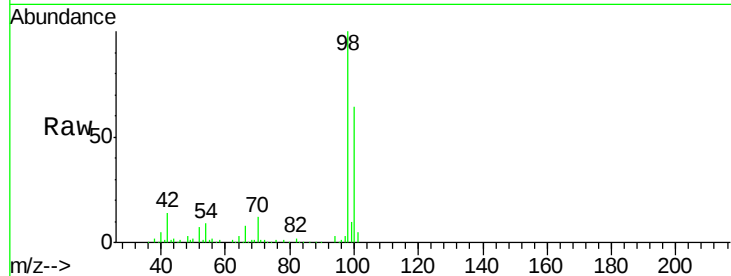
ClientSampleId :

Tot Ion: 98 Resp: 77349

Ion Ratio Lower Upper

98 100

100 62.9 50.8 76.2



#62

4-Bromofluorobenzene

Concen: 11.267 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VW003814.D

Acq: 10 Jul 2018 08:54

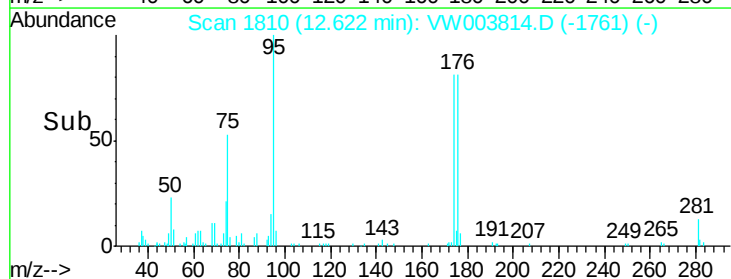
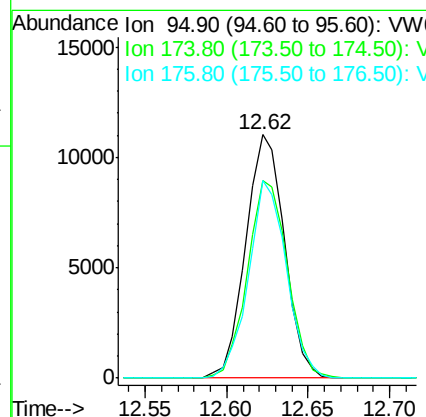
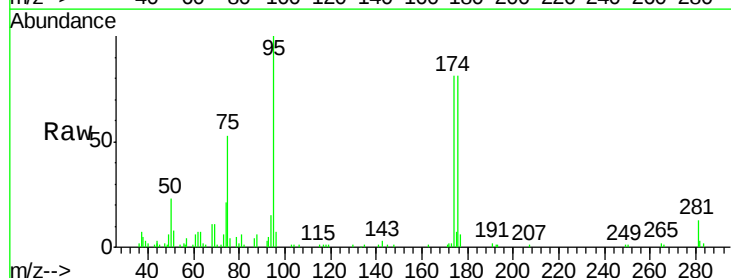
Tgt Ion: 95 Resp: 18162

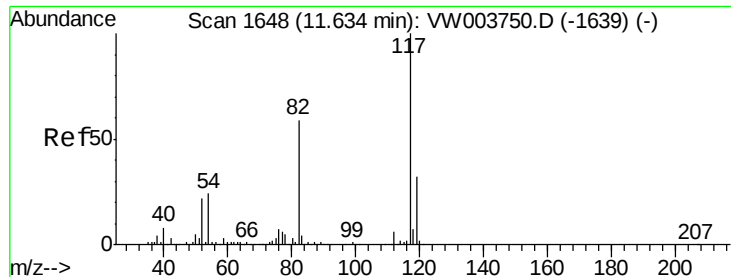
Ion Ratio Lower Upper

95 100

174 83.9 0.0 163.4

176 79.6 0.0 156.8

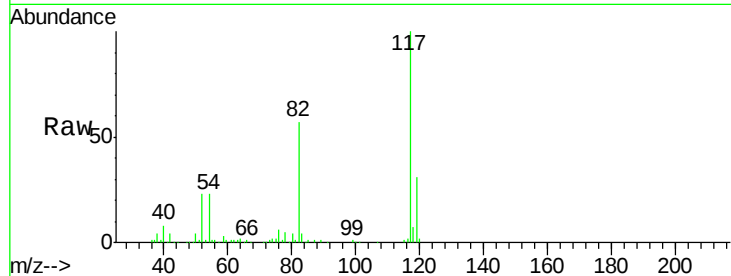




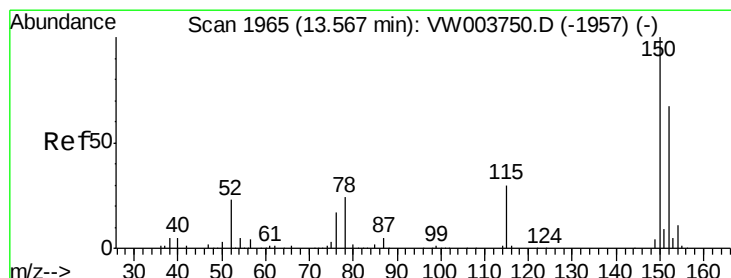
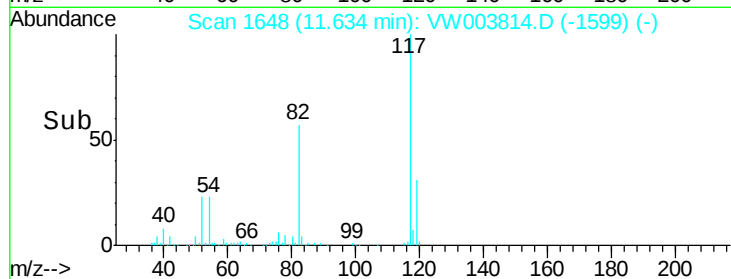
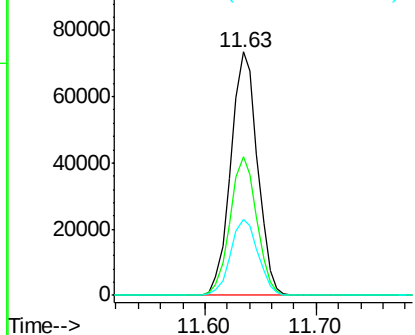
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. 0.00 min
Lab File: VW003814.D
Acq: 10 Jul 2018 08:54

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:117 Resp: 121636
Ion Ratio Lower Upper
117 100
82 57.2 46.9 70.3
119 31.1 25.5 38.3

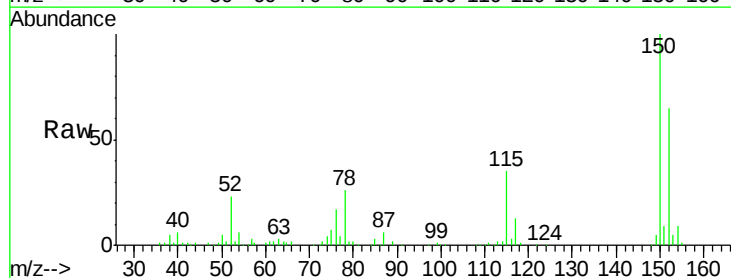


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

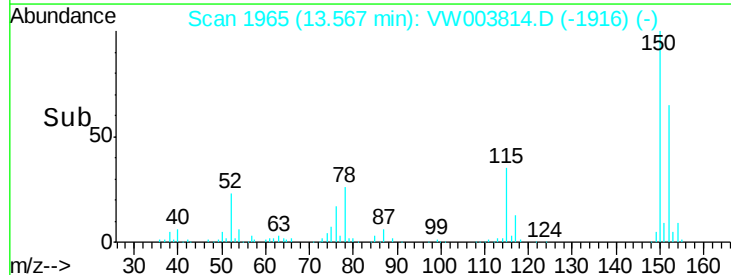
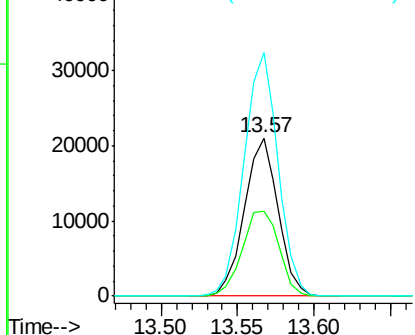


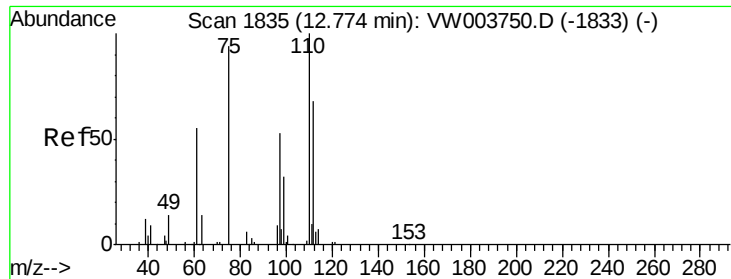
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1965
Delta R.T. 0.00 min
Lab File: VW003814.D
Acq: 10 Jul 2018 08:54

Tgt Ion:152 Resp: 32242
Ion Ratio Lower Upper
152 100
115 58.8 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: 31.392 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. -0.15 min

Lab File: VW003814.D

Acq: 10 Jul 2018 08:54

Instrument :

MSVOA_W

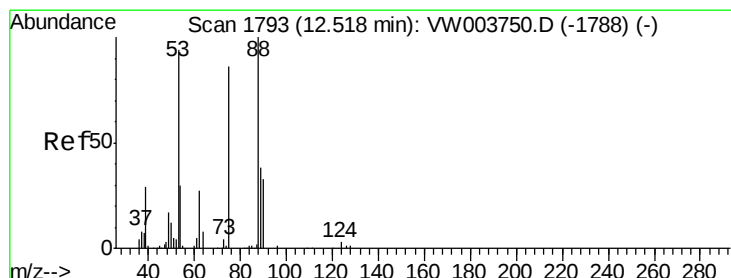
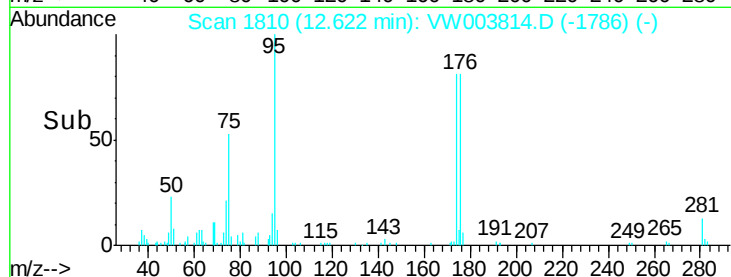
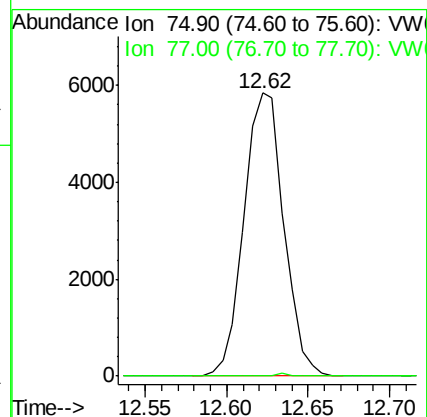
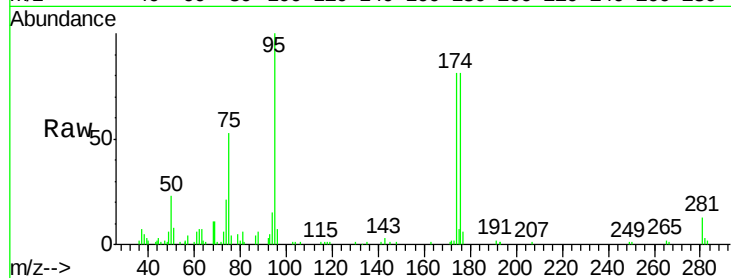
ClientSampleId :

Tot Ion: 75 Resp: 9939

Ion Ratio Lower Upper

75 100

77 0.3 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 76.792 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. 0.10 min

Lab File: VW003814.D

Acq: 10 Jul 2018 08:54

Tgt Ion: 75 Resp: 9939

Ion Ratio Lower Upper

75 100

53 0.0 85.0 127.6#

89 0.0 36.3 54.5#

