

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW071218\
 Data File : VW003916.D
 Acq On : 12 Jul 2018 23:34
 Operator : SY/AP
 Sample : J3633-04
 Misc : 5.48G/5ML/MSVOA W/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jul 13 05:57:34 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	202332	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	360688	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	328453	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	165123	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	138949	52.51	ug/l	0.00
Spiked Amount			Recovery	=	105.02%	
35) Dibromofluoromethane	7.88	113	114562	45.38	ug/l	0.00
Spiked Amount			Recovery	=	90.76%	
50) Toluene-d8	10.33	98	412701	42.74	ug/l	0.00
Spiked Amount			Recovery	=	85.48%	
62) 4-Bromofluorobenzene	12.62	95	152731	43.71	ug/l	0.00
Spiked Amount			Recovery	=	87.42%	

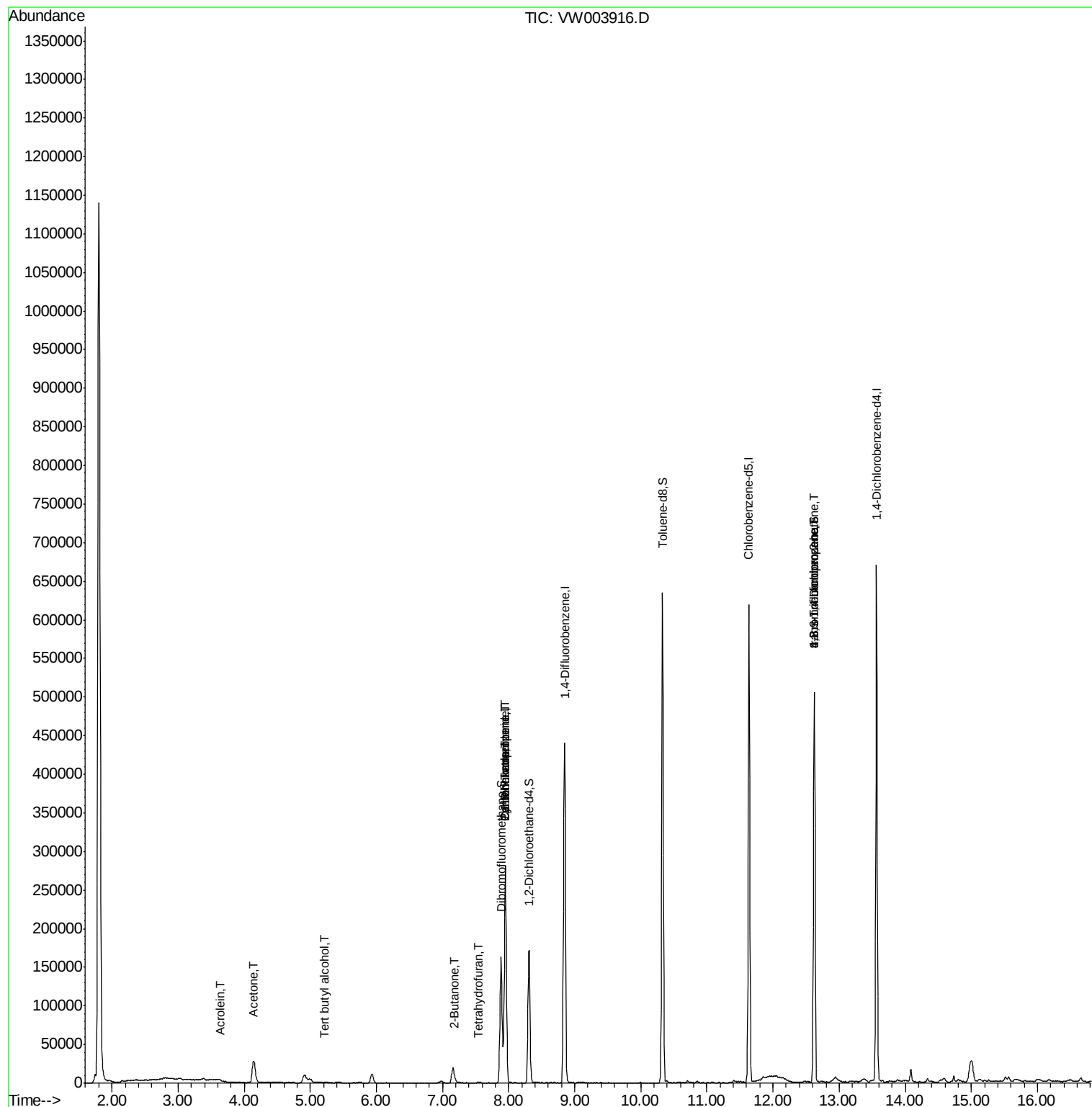
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.21	59	657	4.582	ug/l #	70
13) Acrolein	3.64	56	48	4.940	ug/l #	54
16) Acetone	4.14	43	60379	131.527	ug/l	100
20) Methylene Chloride	4.91	84	7798	Below Cal		93
25) 2-Butanone	7.18	43	2502	3.480	ug/l #	70
29) Tetrahydrofuran	7.54	42	580	1.255	ug/l #	46
31) Cyclohexane	7.95	56	4919	1.274	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	17078	4.462	ug/l #	50
38) Carbon Tetrachloride	7.95	117	20699	5.689	ug/l #	17
76) 1,2,3-Trichloropropane	12.62	75	80621	49.721	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	80621	121.628	ug/l #	8

(#) = 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# 1044

Delta R.T. -0.00 min

Lab File: VW003916.D

Acq: 12 Jul 2018 23:34

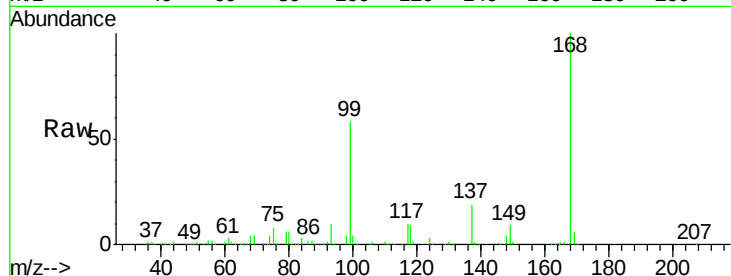
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:168 Resp: 202332

Ion Ratio Lower Upper

168 100

99 58.2 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

100000

80000

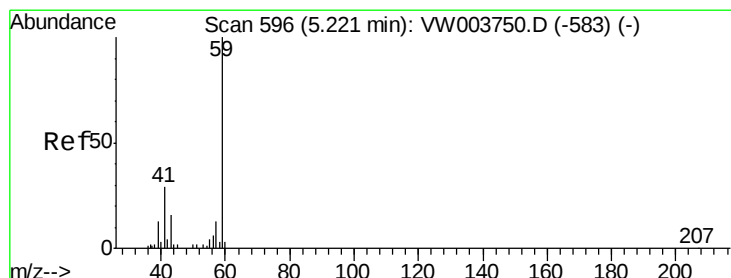
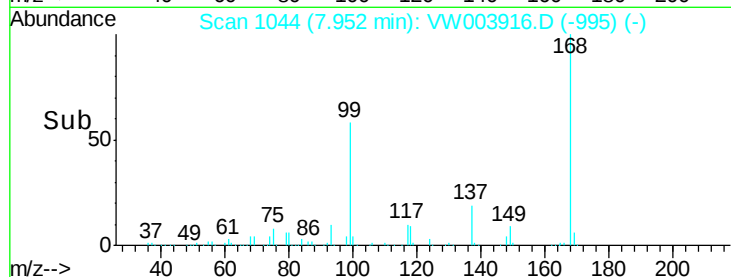
60000

40000

20000

0

Time-->



#11

Tert butyl alcohol

Concen: 4.582 ug/l

RT: 5.21 min Scan# 595

Delta R.T. -0.01 min

Lab File: VW003916.D

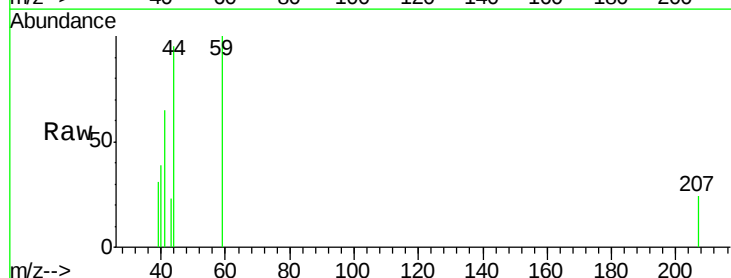
Acq: 12 Jul 2018 23:34

Tgt Ion: 59 Resp: 657

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

5.21

300

250

200

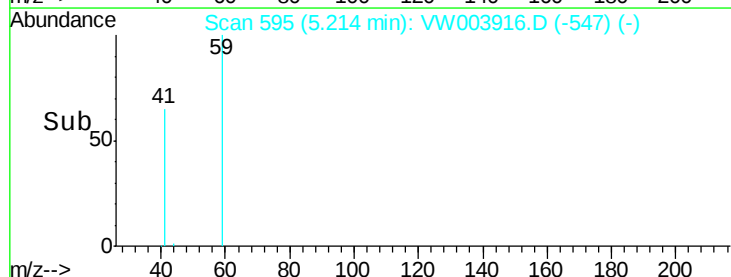
150

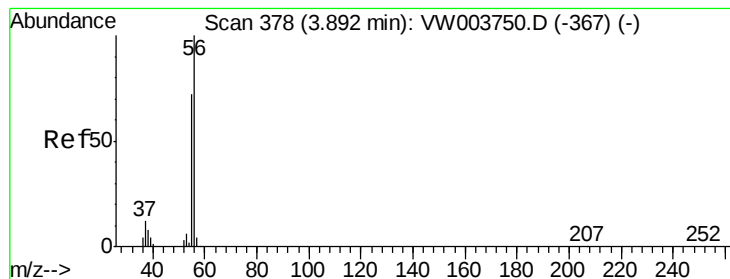
100

50

0

Time-->





#13

Acrolein

Concen: 4.940 ug/l

RT: 3.64 min Scan# 337

Delta R.T. -0.25 min

Lab File: VW003916.D

Acq: 12 Jul 2018 23:34

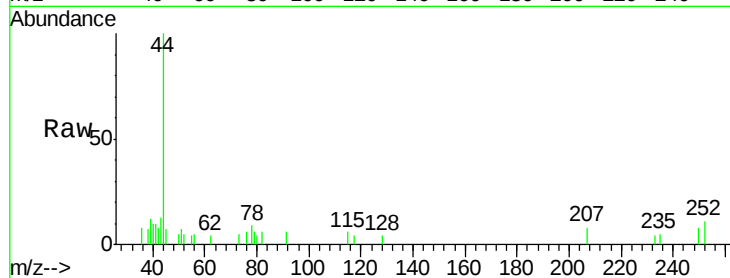
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 56 Resp: 48

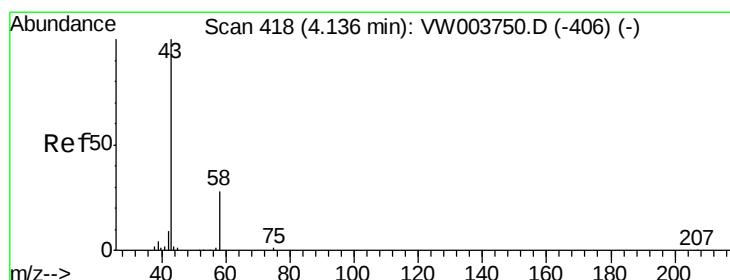
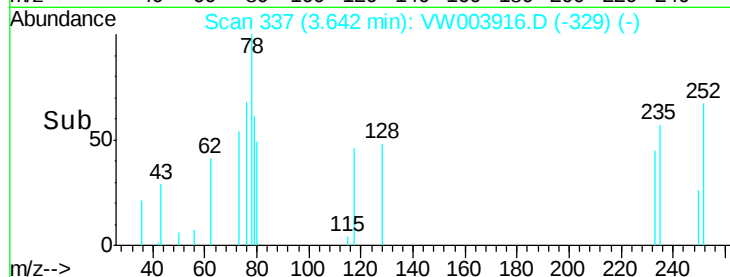
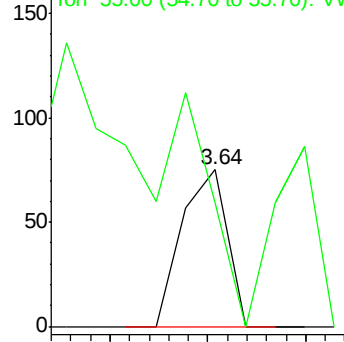
Ion Ratio Lower Upper

56 100

55 110.4 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: 131.527 ug/l

RT: 4.14 min Scan# 419

Delta R.T. 0.01 min

Lab File: VW003916.D

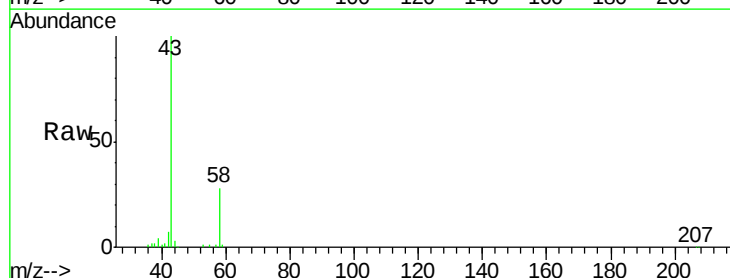
Acq: 12 Jul 2018 23:34

Tgt Ion: 43 Resp: 60379

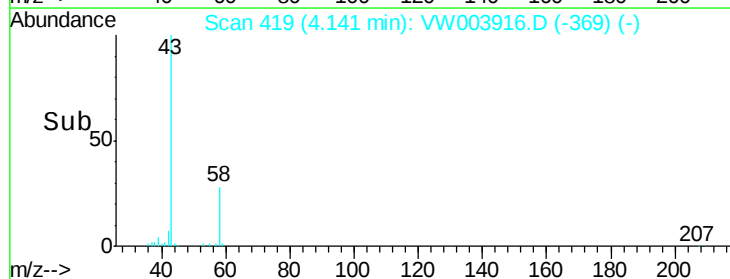
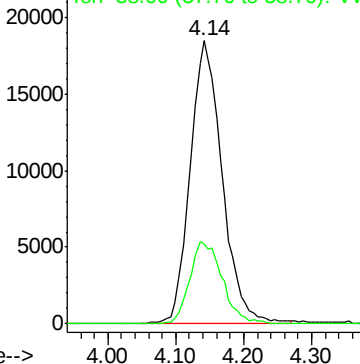
Ion Ratio Lower Upper

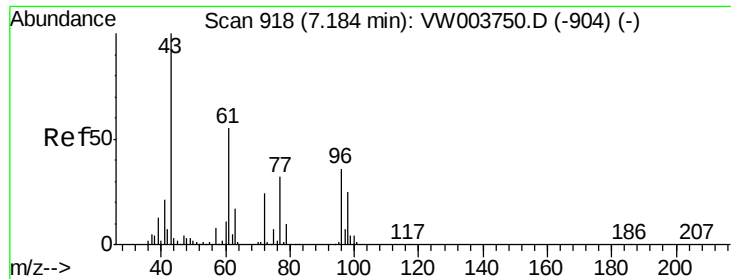
43 100

58 28.1 22.6 34.0



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW





#25

2-Butanone

Concen: 3.480 ug/l

RT: 7.18 min Scan# 918

Delta R.T. -0.00 min

Lab File: VW003916.D

Acq: 12 Jul 2018 23:34

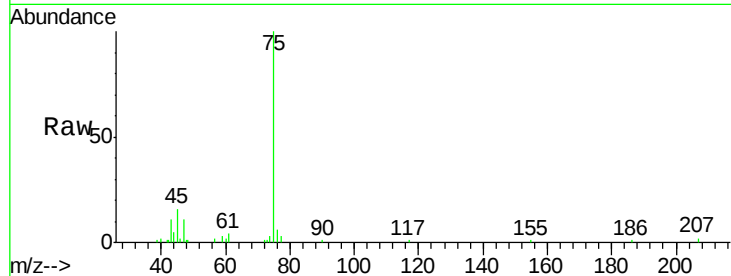
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 43 Resp: 2502

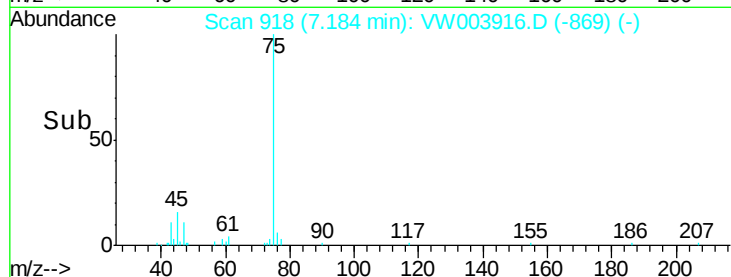
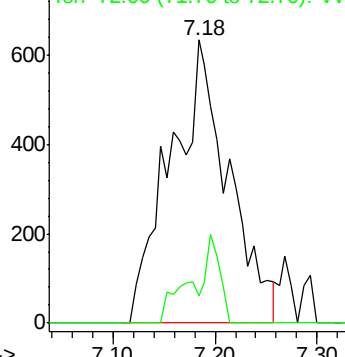
Ion Ratio Lower Upper

43 100

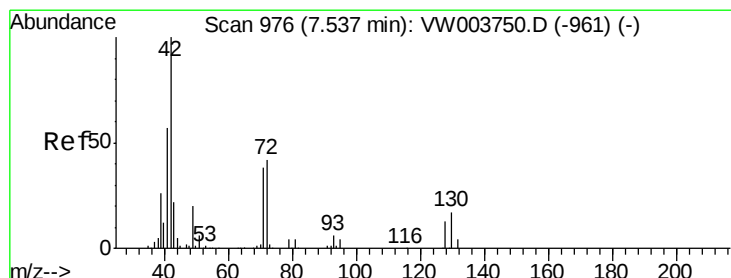
72 9.6 19.4 29.2#



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



Time-->



#29

Tetrahydrofuran

Concen: 1.255 ug/l

RT: 7.54 min Scan# 977

Delta R.T. 0.01 min

Lab File: VW003916.D

Acq: 12 Jul 2018 23:34

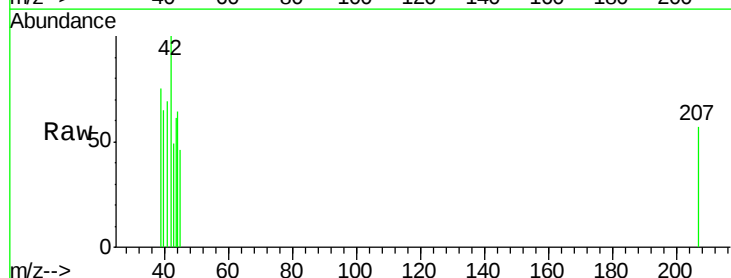
Tgt Ion: 42 Resp: 580

Ion Ratio Lower Upper

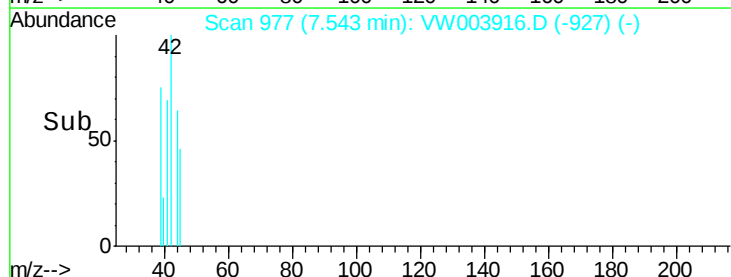
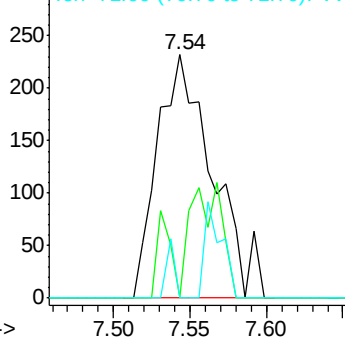
42 100

72 8.4 31.8 47.8#

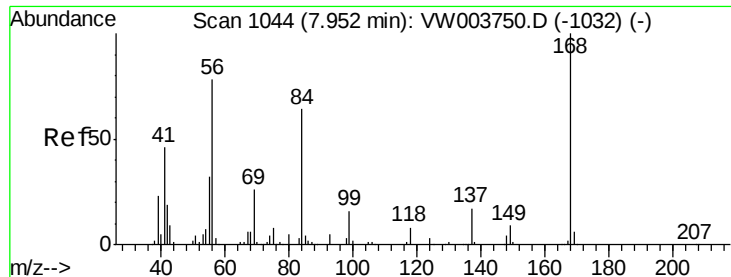
71 3.6 30.3 45.5#



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



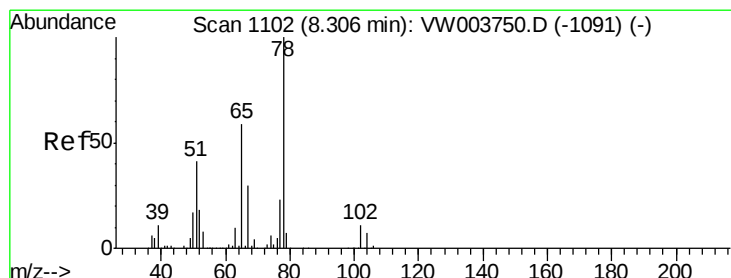
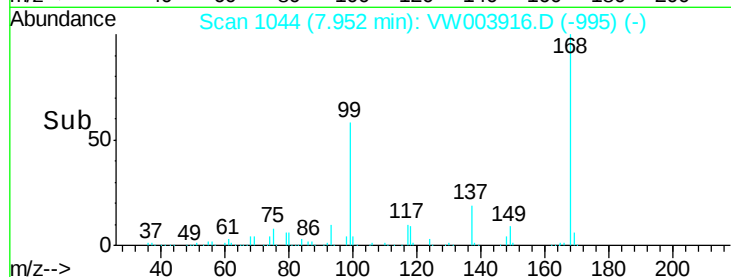
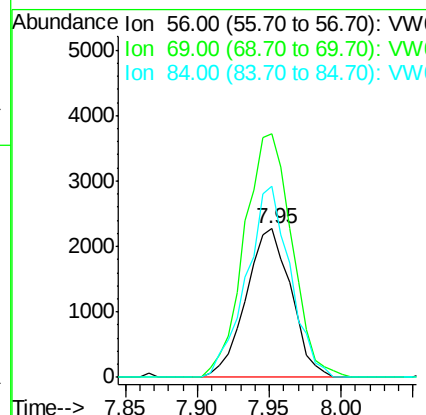
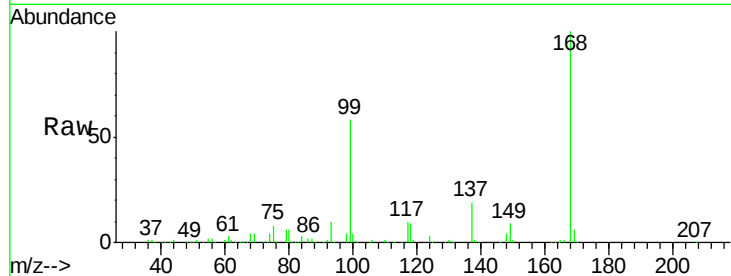
Time-->



#31
Cyclohexane
Concen: 1.274 ug/l
RT: 7.95 min Scan# 1044
Delta R.T. -0.00 min
Lab File: VW003916.D
Acq: 12 Jul 2018 23:34

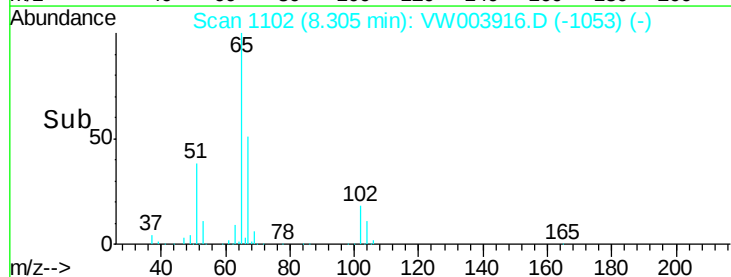
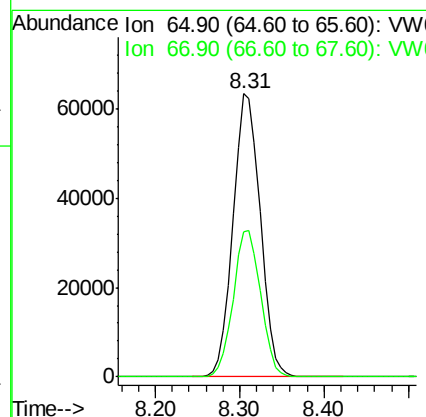
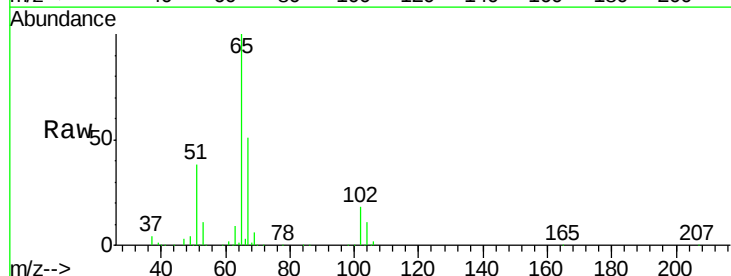
Instrument :
MSVOA_W
ClientSampled :

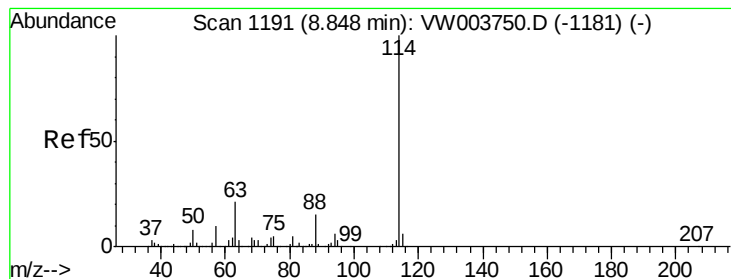
Tot Ion: 56 Resp: 4919
Ion Ratio Lower Upper
56 100
69 163.6 26.2 39.4#
84 128.1 65.5 98.3#



#33
1,2-Dichloroethane-d4
Concen: 52.514 ug/l
RT: 8.31 min Scan# 1102
Delta R.T. -0.00 min
Lab File: VW003916.D
Acq: 12 Jul 2018 23:34

Tgt Ion: 65 Resp: 138949
Ion Ratio Lower Upper
65 100
67 52.0 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: VW003916.D

Acq: 12 Jul 2018 23:34

Instrument :

MSVOA_W

ClientSampleId :

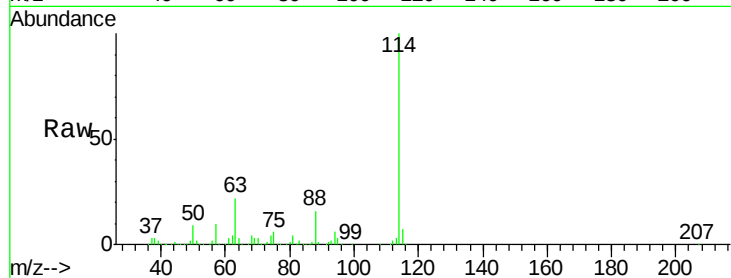
Tot Ion:114 Resp: 360688

Ion Ratio Lower Upper

114 100

63 21.6 0.0 41.8

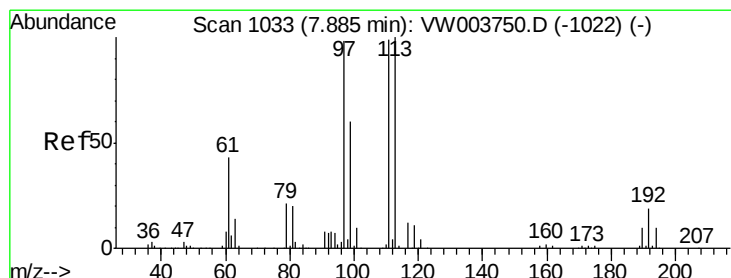
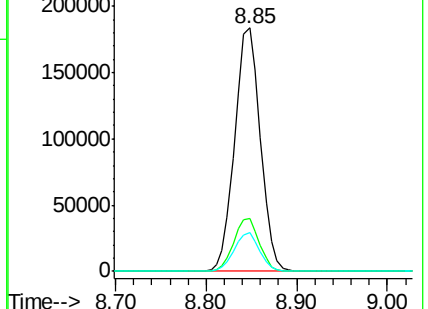
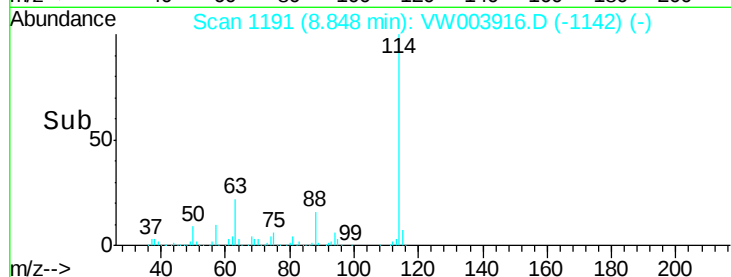
88 15.9 0.0 30.2



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: 45.382 ug/l

RT: 7.88 min Scan# 1033

Delta R.T. -0.00 min

Lab File: VW003916.D

Acq: 12 Jul 2018 23:34

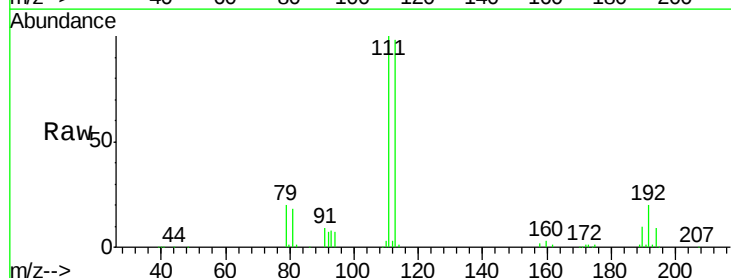
Tgt Ion:113 Resp: 114562

Ion Ratio Lower Upper

113 100

111 103.1 81.7 122.5

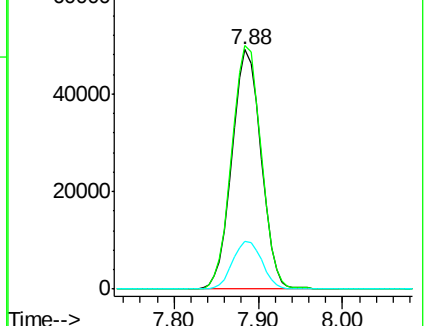
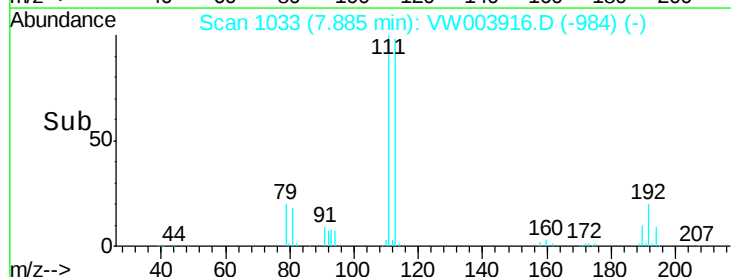
192 20.1 15.8 23.8

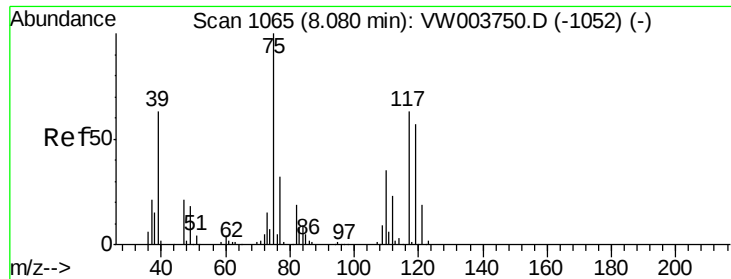


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

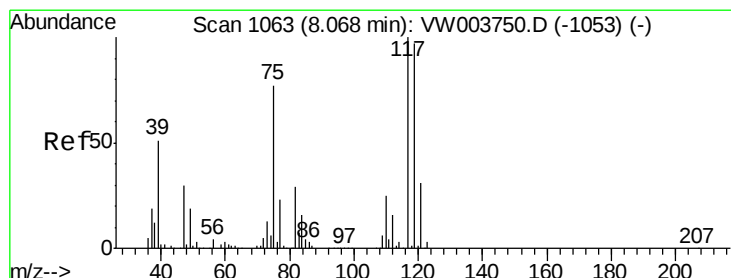
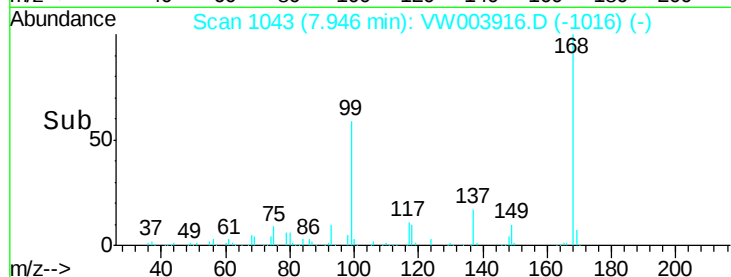
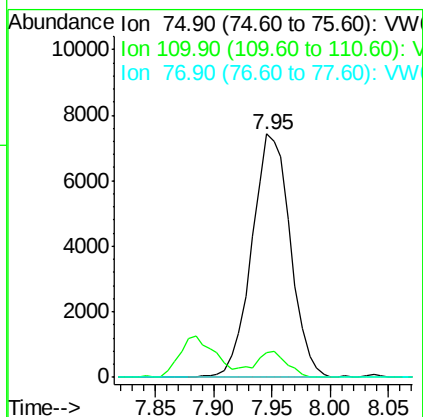
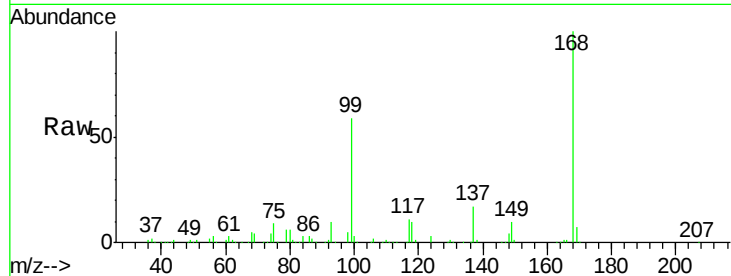




#36
 1,1-Dichloropropene
 Concen: 4.462 ug/l
 RT: 7.95 min Scan# 1043
 Delta R.T. -0.13 min
 Lab File: VW003916.D
 Acq: 12 Jul 2018 23:34

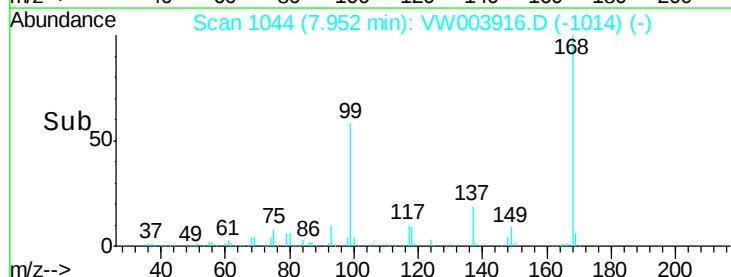
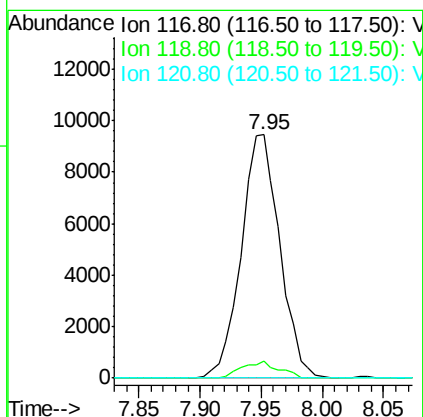
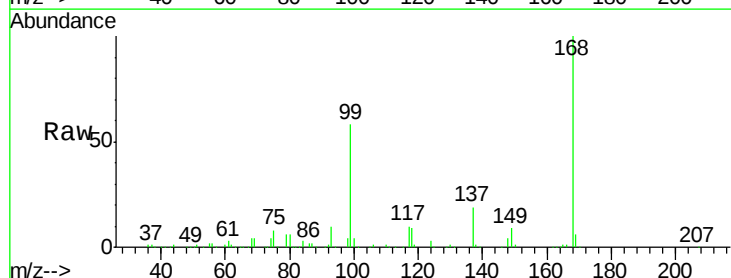
Instrument :
 MSVOA_W
 ClientSampleId :

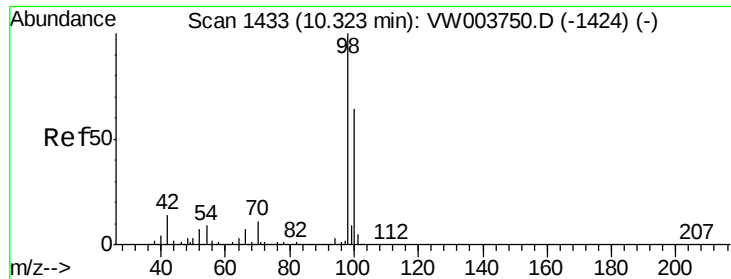
Tot Ion: 75 Resp: 17078
 Ion Ratio Lower Upper
 75 100
 110 8.9 16.9 50.6#
 77 0.0 24.8 37.2#



#38
 Carbon Tetrachloride
 Concen: 5.689 ug/l
 RT: 7.95 min Scan# 1044
 Delta R.T. -0.12 min
 Lab File: VW003916.D
 Acq: 12 Jul 2018 23:34

Tgt Ion: 117 Resp: 20699
 Ion Ratio Lower Upper
 117 100
 119 6.8 77.4 116.2#
 121 0.0 24.6 37.0#

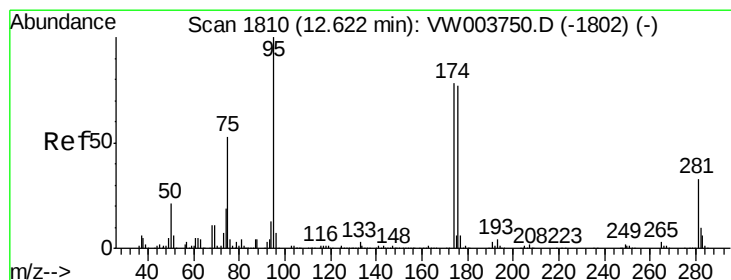
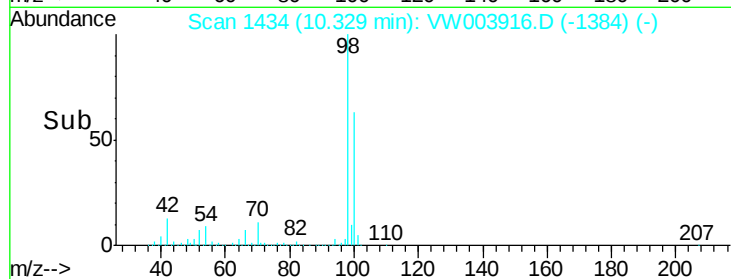
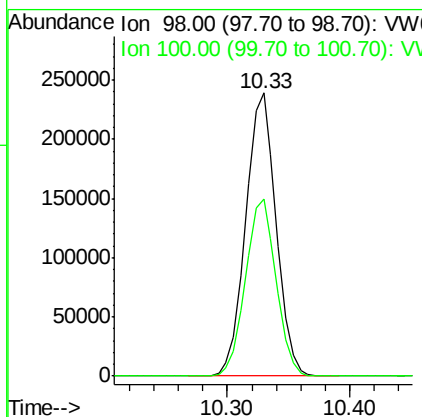
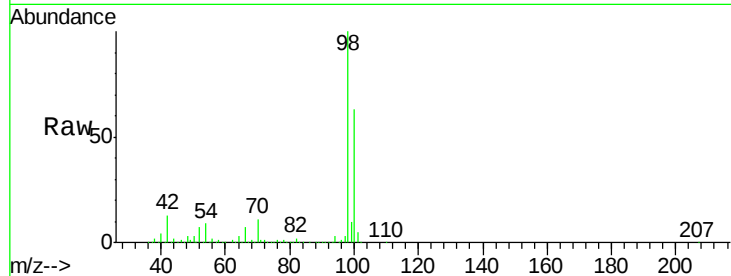




#50
Toluene-d8
Concen: 42.739 ug/l
RT: 10.33 min Scan# 1434
Delta R.T. 0.01 min
Lab File: VW003916.D
Acq: 12 Jul 2018 23:34

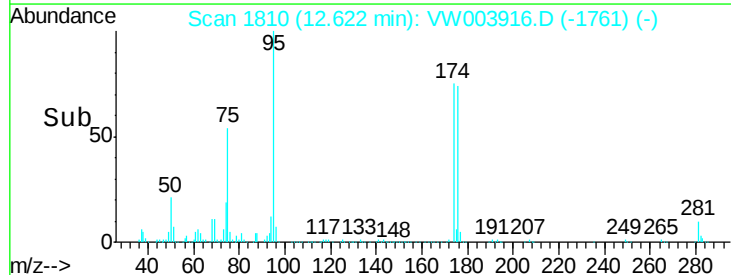
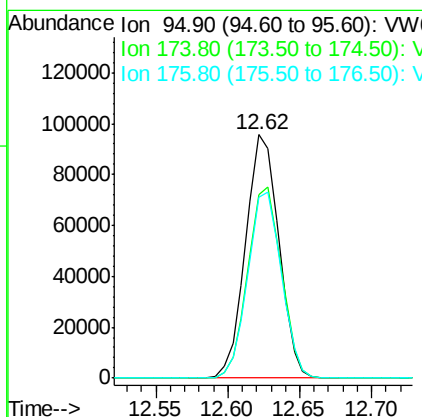
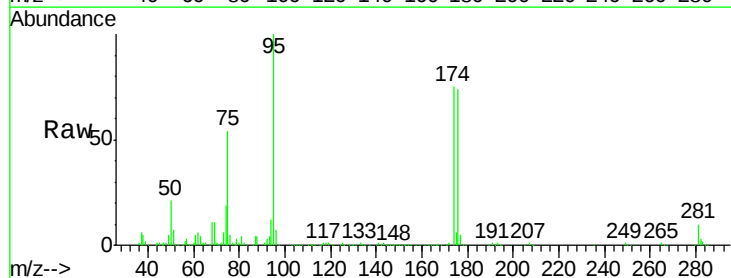
Instrument :
MSVOA_W
ClientSampled :

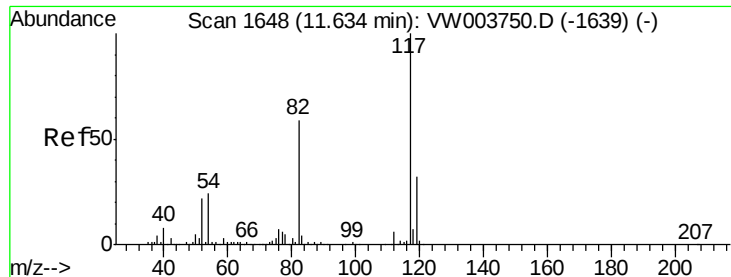
Tot Ion: 98 Resp: 412701
Ion Ratio Lower Upper
98 100
100 63.1 50.8 76.2



#62
4-Bromofluorobenzene
Concen: 43.714 ug/l
RT: 12.62 min Scan# 1810
Delta R.T. -0.00 min
Lab File: VW003916.D
Acq: 12 Jul 2018 23:34

Tgt Ion: 95 Resp: 152731
Ion Ratio Lower Upper
95 100
174 79.5 0.0 163.4
176 77.5 0.0 156.8

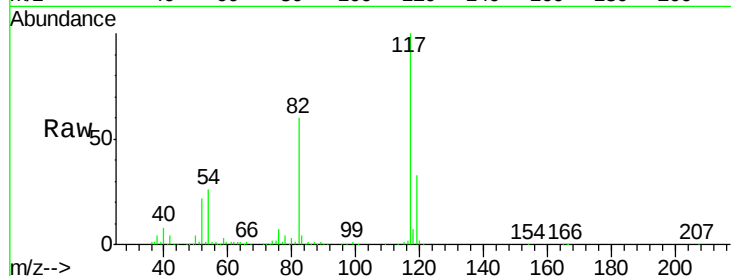




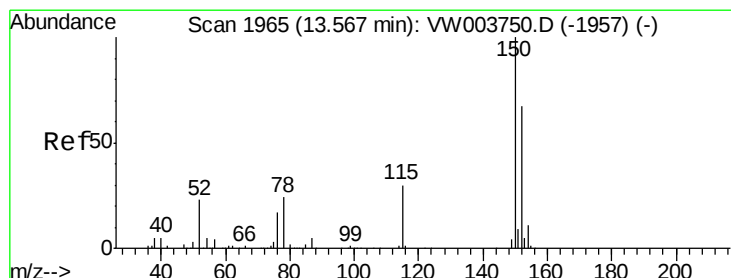
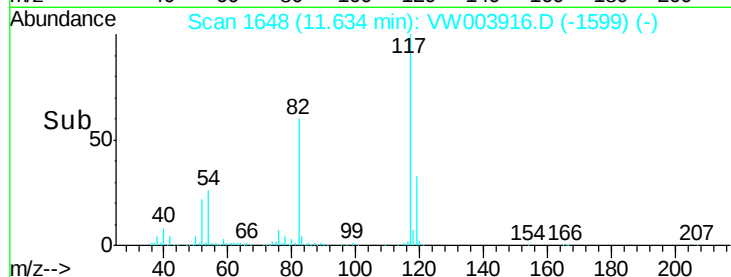
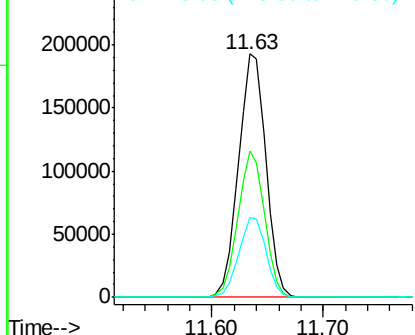
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. -0.00 min
Lab File: VW003916.D
Acq: 12 Jul 2018 23:34

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:117 Resp: 328453
Ion Ratio Lower Upper
117 100
82 60.2 46.9 70.3
119 32.6 25.5 38.3

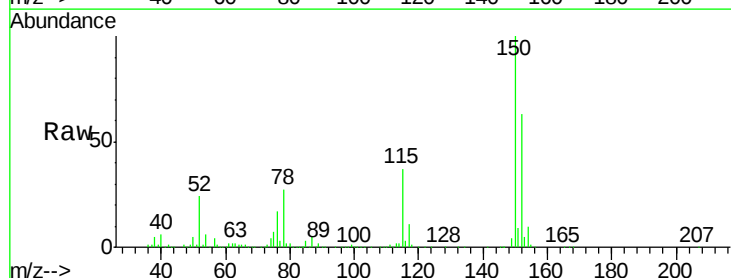


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

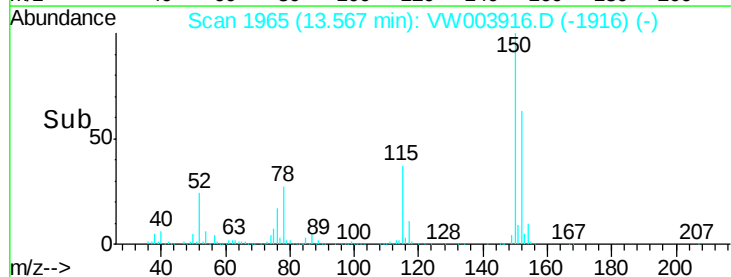
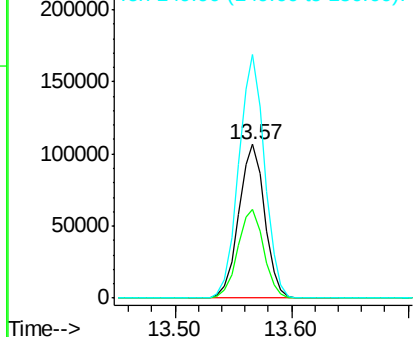


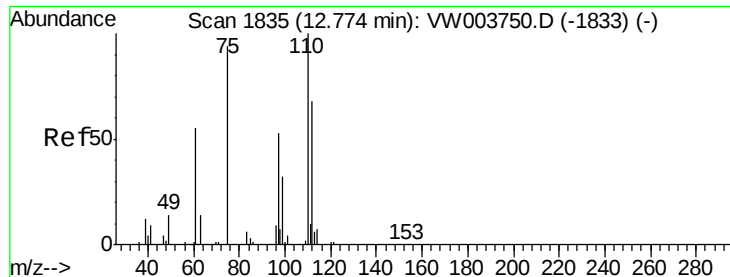
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1965
Delta R.T. -0.00 min
Lab File: VW003916.D
Acq: 12 Jul 2018 23:34

Tgt Ion:152 Resp: 165123
Ion Ratio Lower Upper
152 100
115 58.2 28.9 86.8
150 158.0 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: 49.721 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. -0.15 min

Lab File: VW003916.D

Acq: 12 Jul 2018 23:34

Instrument :

MSVOA_W

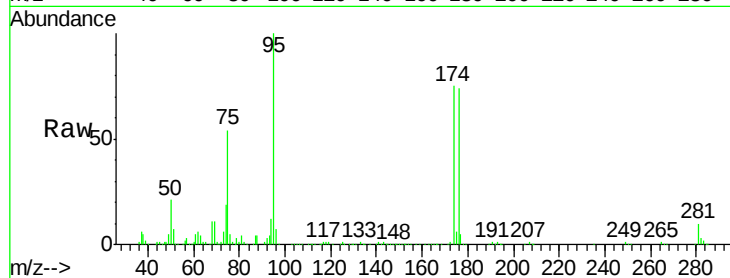
ClientSampleId :

Tot Ion: 75 Resp: 80621

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW

12.62

60000

50000

40000

30000

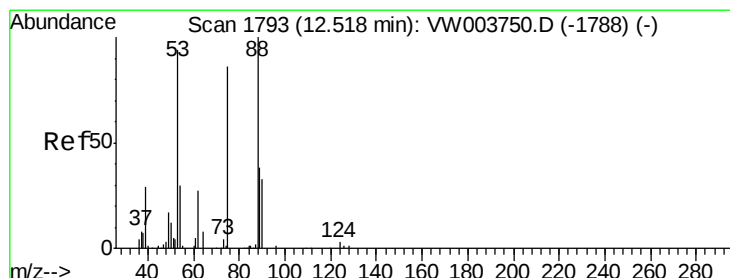
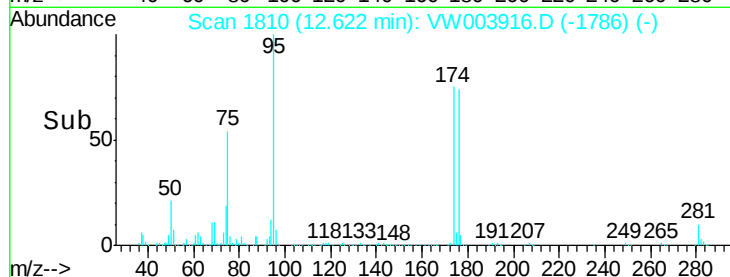
20000

10000

0

Time-->

12.55 12.60 12.65 12.70



#81

trans-1,4-Dichloro-2-butene

Concen: 121.628 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. 0.10 min

Lab File: VW003916.D

Acq: 12 Jul 2018 23:34

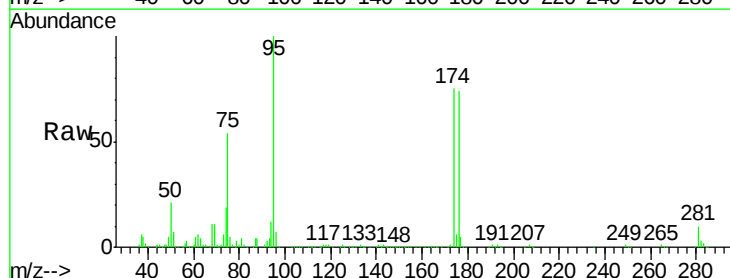
Tgt Ion: 75 Resp: 80621

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

12.62

60000

40000

20000

0

Time-->

12.55 12.60 12.65 12.70

