

Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW071618\
 Data File : VW003953.D
 Acq On : 16 Jul 2018 16:12
 Operator : VA/AP
 Sample : VW0716SBL01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jul 16 16:30:13 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W071618S.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 16 15:06:12 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	253445	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	417830	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	383955	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	188637	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	154643	54.59	ug/l	0.00
Spiked Amount			Recovery	=	109.18%	
35) Dibromofluoromethane	7.88	113	131462	49.04	ug/l	0.00
Spiked Amount			Recovery	=	98.08%	
50) Toluene-d8	10.32	98	503018	48.36	ug/l	0.00
Spiked Amount			Recovery	=	96.72%	
62) 4-Bromofluorobenzene	12.62	95	170605	45.48	ug/l	0.00
Spiked Amount			Recovery	=	90.96%	

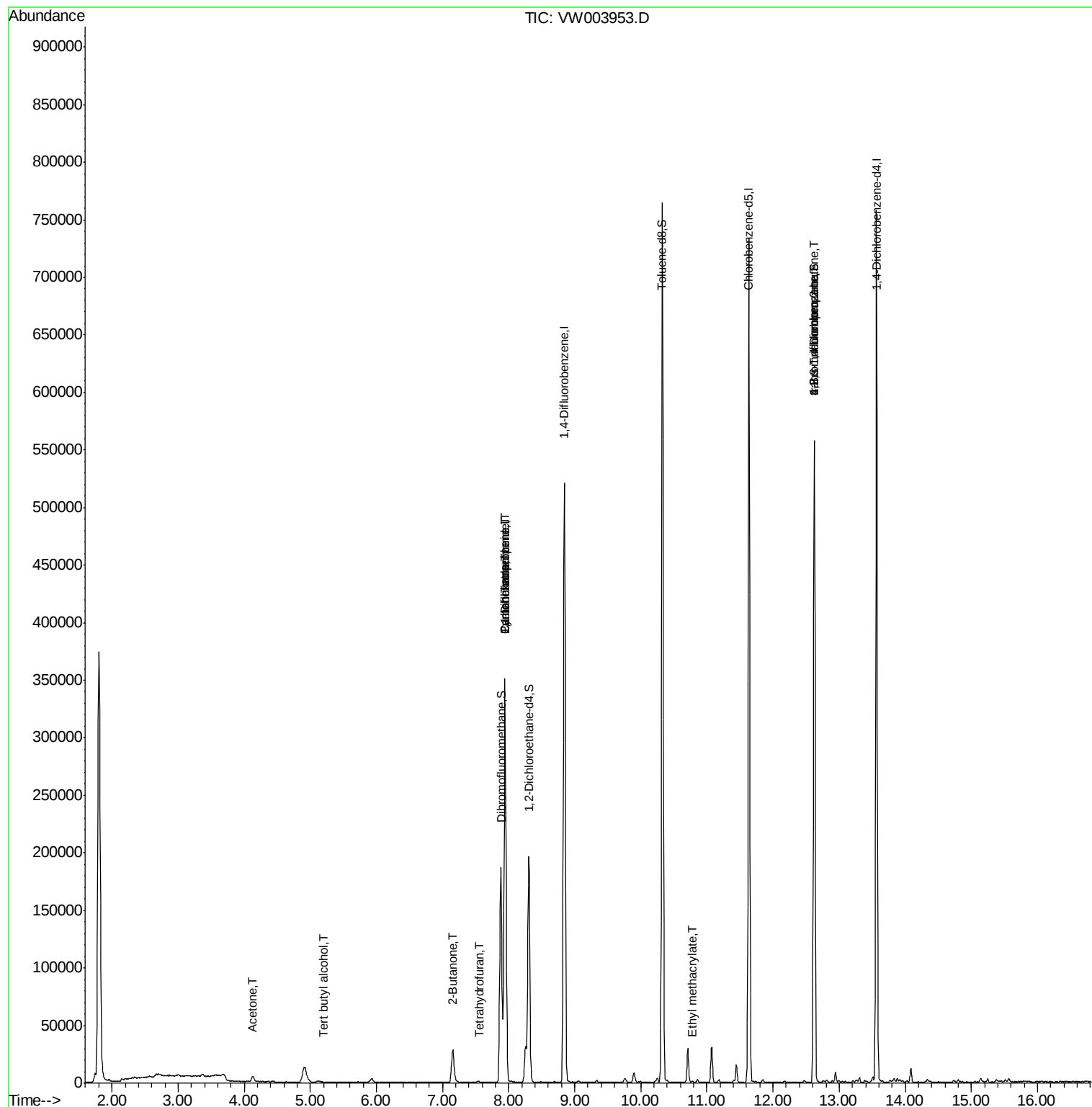
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.21	59	533	2.73	ug/l	95
16) Acetone	4.12	43	9128	13.41	ug/l	98
20) Methylene Chloride	4.90	84	12779	Below Cal		92
25) 2-Butanone	7.15	43	1913	2.09	ug/l #	51
29) Tetrahydrofuran	7.55	42	649	1.14	ug/l #	40
31) Cyclohexane	7.94	56	6384	1.36	ug/l #	7
36) 1,1-Dichloropropene	7.95	75	20473	4.76	ug/l #	50
38) Carbon Tetrachloride	7.95	117	25536	6.36	ug/l #	17
56) Ethyl methacrylate	10.78	69	23	2.95	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	90722	48.44	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	90722	107.16	ug/l #	11

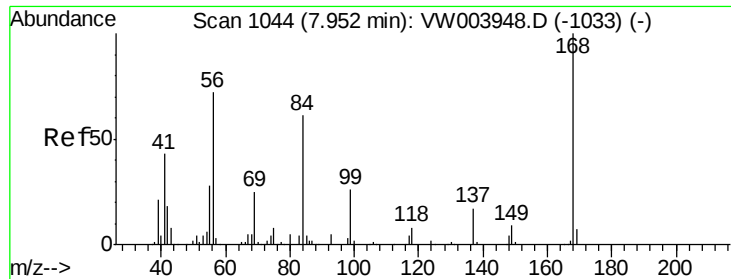
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW071618\
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Misc : 5.00G/5ML/MSVOA W/SOIL
ALS Vial : 11 Sample Multiplier: 1

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ClientSampleId :

Quant Time: Jul 16 16:30:13 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W071618S.M
Quant Title : SW846 8260
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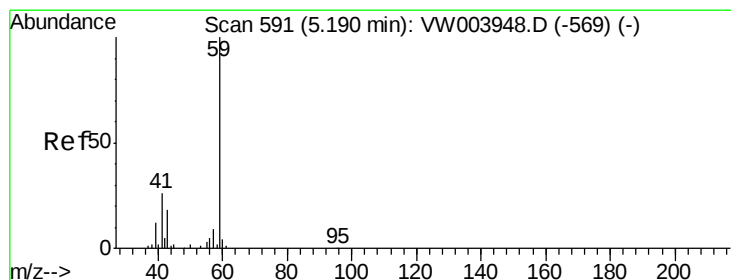
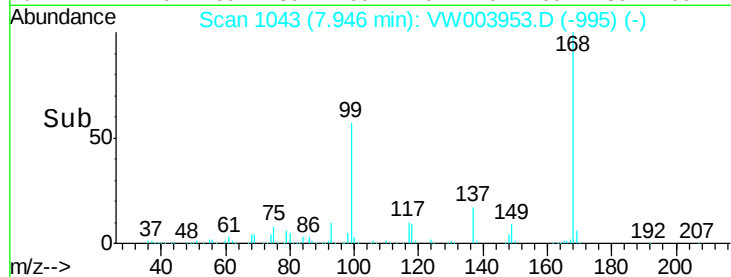
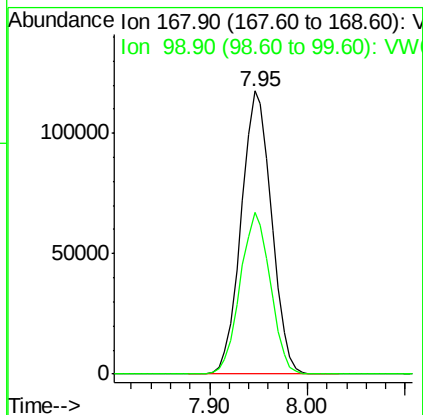
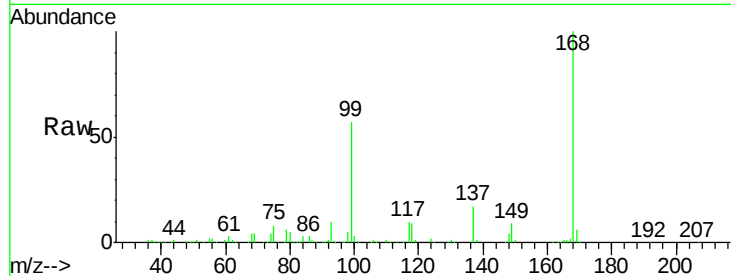


#1

Pentafluorobenzene
 Concen: 50.00 ug/l
 RT: 7.95 min Scan# 1043
 Delta R.T. -0.01 min
 Lab File: VW003953.D
 Acq: 16 Jul 2018 16:12

Instrument :
 MSVOA_W
 ClientSampled :

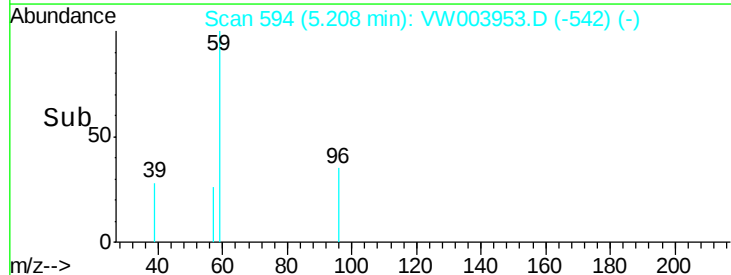
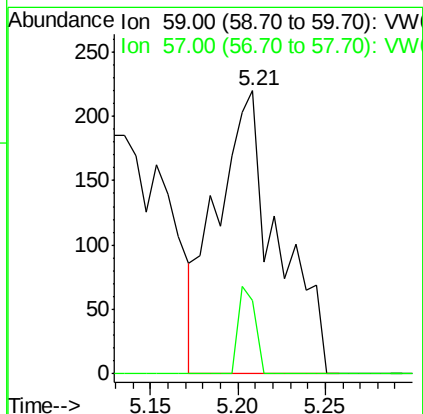
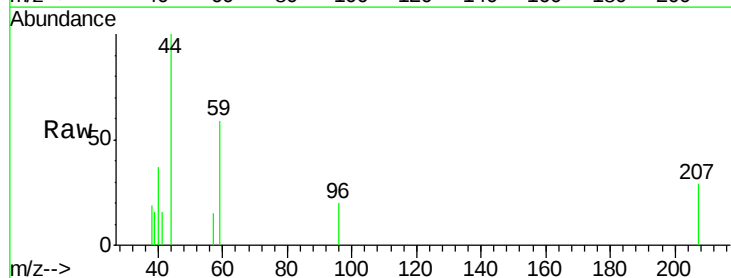
Tot Ion:168 Resp: 253445
 Ion Ratio Lower Upper
 168 100
 99 57.0 43.8 65.6

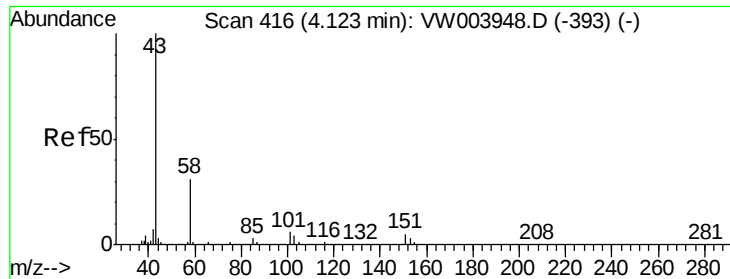


#11

Tert butyl alcohol
 Concen: 2.73 ug/l
 RT: 5.21 min Scan# 594
 Delta R.T. 0.02 min
 Lab File: VW003953.D
 Acq: 16 Jul 2018 16:12

Tgt Ion: 59 Resp: 533
 Ion Ratio Lower Upper
 59 100
 57 8.6 8.5 12.7





#16

Acetone

Concen: 13.41 ug/l

RT: 4.12 min Scan# 416

Delta R.T. 0.00 min

Lab File: VW003953.D

Acq: 16 Jul 2018 16:12

Instrument :

MSVOA_W

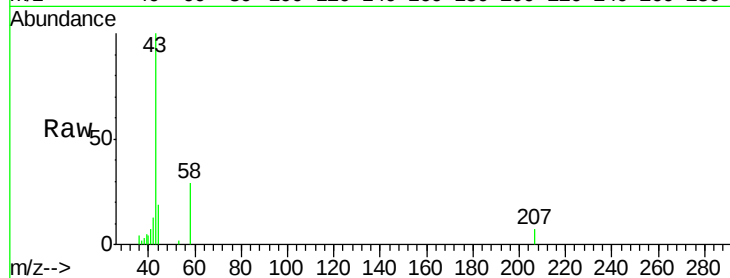
ClientSampleId :

Tot Ion: 43 Resp: 9128

Ion Ratio Lower Upper

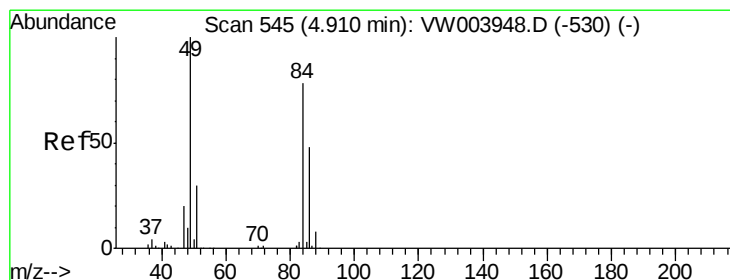
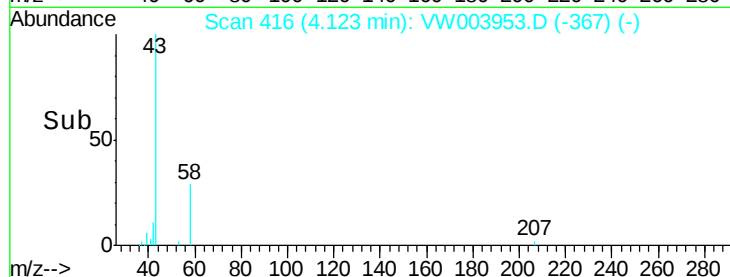
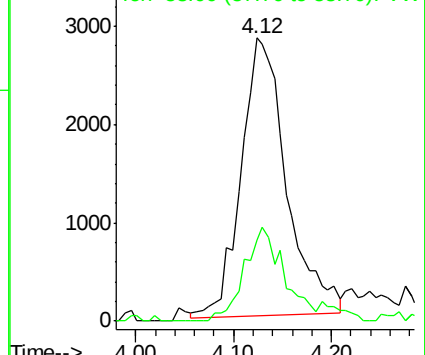
43 100

58 29.7 24.5 36.7



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#20

Methylene Chloride

Concen: Below Cal

RT: 4.90 min Scan# 544

Delta R.T. -0.01 min

Lab File: VW003953.D

Acq: 16 Jul 2018 16:12

Tgt Ion: 84 Resp: 12779

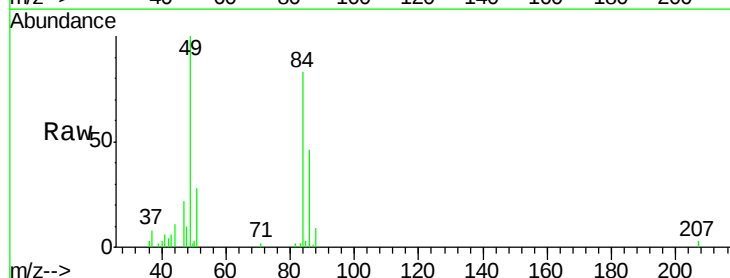
Ion Ratio Lower Upper

84 100

49 120.4 102.9 154.3

51 34.0 30.9 46.3

86 55.1 49.9 74.9

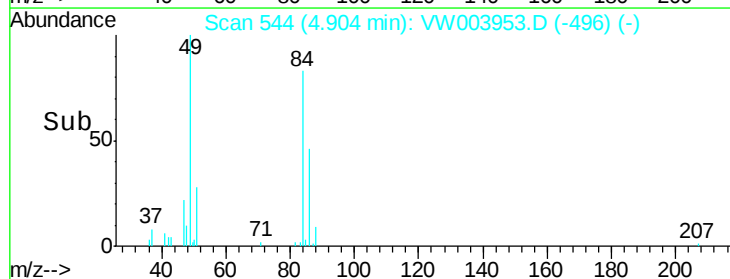
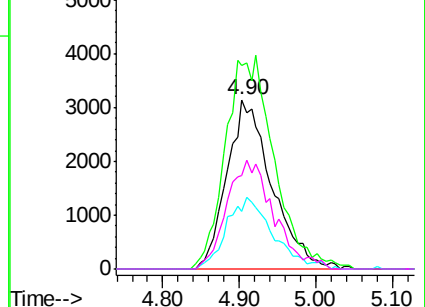


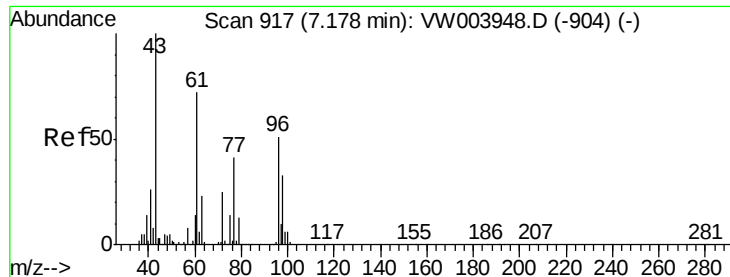
Abundance Ion 83.90 (83.60 to 84.60): VW

Ion 48.90 (48.60 to 49.60): VW

Ion 50.90 (50.60 to 51.60): VW

Ion 85.90 (85.60 to 86.60): VW

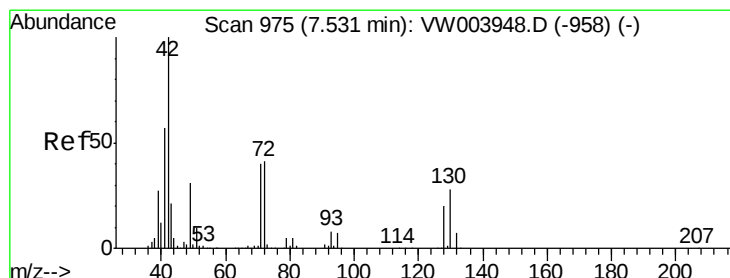
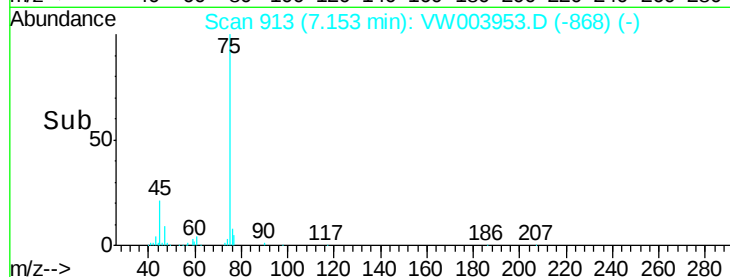
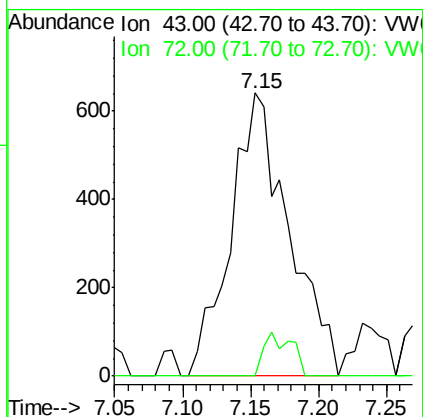
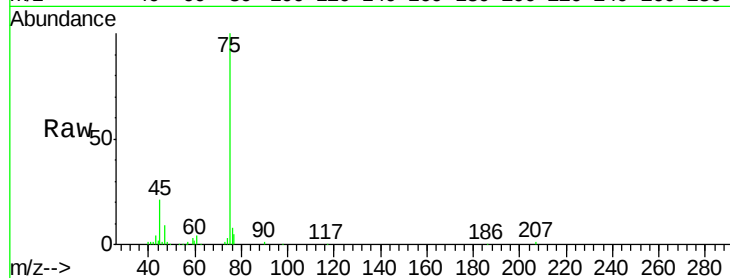




#25
2-Butanone
Concen: 2.09 ug/l
RT: 7.15 min Scan# 913
Delta R.T. -0.02 min
Lab File: VW003953.D
Acq: 16 Jul 2018 16:12

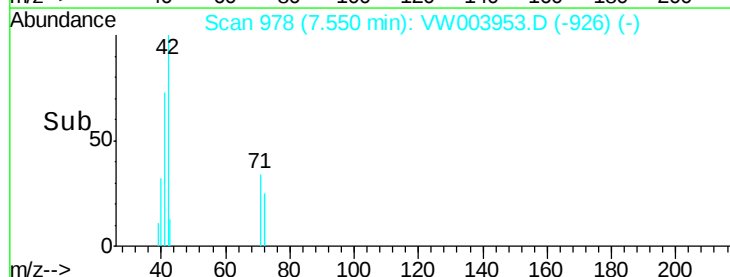
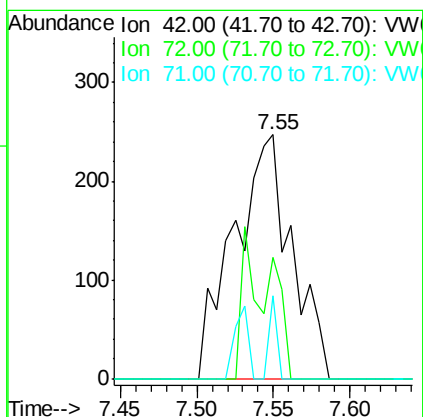
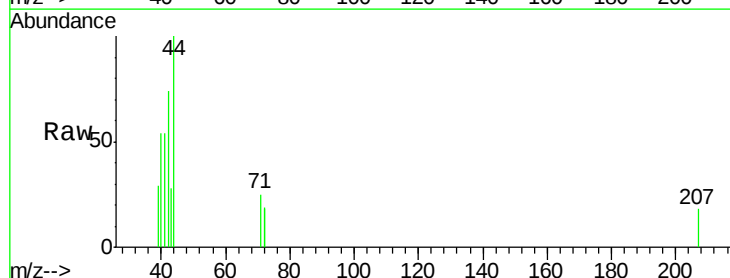
Instrument :
MSVOA_W
ClientSampled :

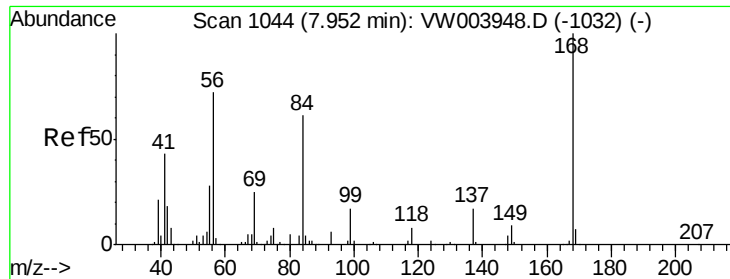
Tot Ion: 43 Resp: 1913
Ion Ratio Lower Upper
43 100
72 0.0 19.8 29.6#



#29
Tetrahydrofuran
Concen: 1.14 ug/l
RT: 7.55 min Scan# 978
Delta R.T. 0.02 min
Lab File: VW003953.D
Acq: 16 Jul 2018 16:12

Tgt Ion: 42 Resp: 649
Ion Ratio Lower Upper
42 100
72 0.0 32.6 48.8#
71 4.8 30.5 45.7#

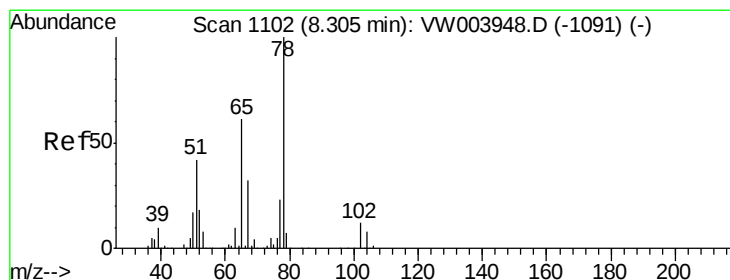
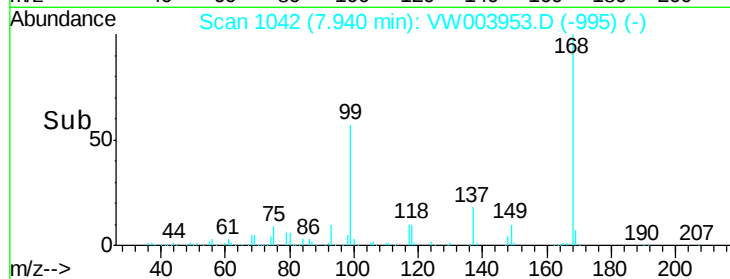
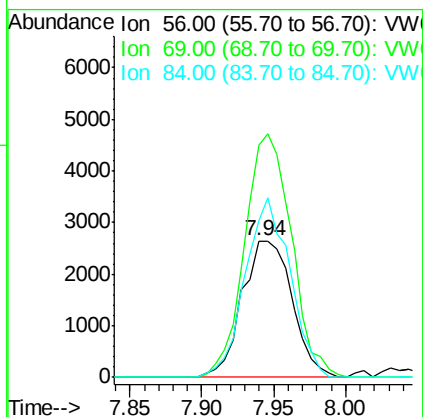
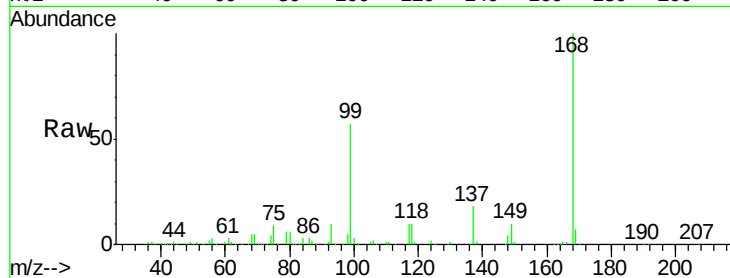




#31
Cyclohexane
Concen: 1.36 ug/l
RT: 7.94 min Scan# 1042
Delta R.T. -0.01 min
Lab File: VW003953.D
Acq: 16 Jul 2018 16:12

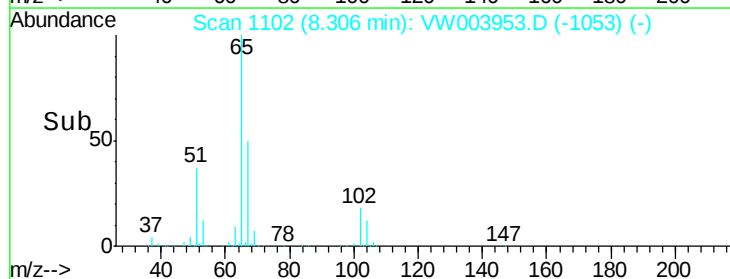
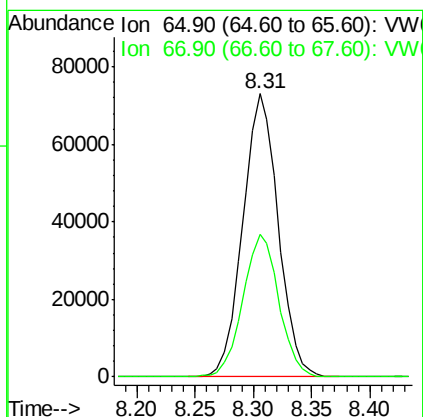
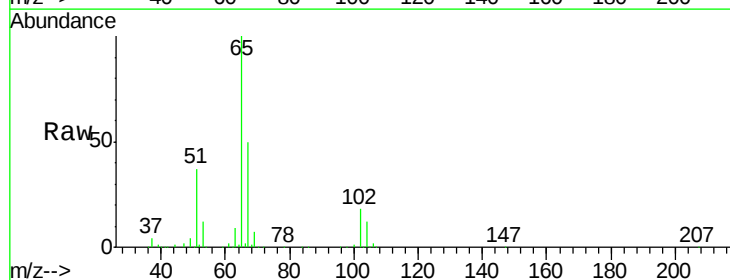
Instrument :
MSVOA_W
ClientSampled :

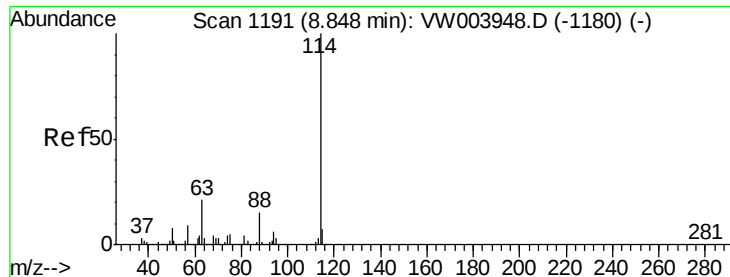
Tot Ion: 56 Resp: 6384
Ion Ratio Lower Upper
56 100
69 170.9 27.8 41.8#
84 115.0 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 54.59 ug/l
RT: 8.31 min Scan# 1102
Delta R.T. 0.00 min
Lab File: VW003953.D
Acq: 16 Jul 2018 16:12

Tgt Ion: 65 Resp: 154643
Ion Ratio Lower Upper
65 100
67 51.3 0.0 105.0

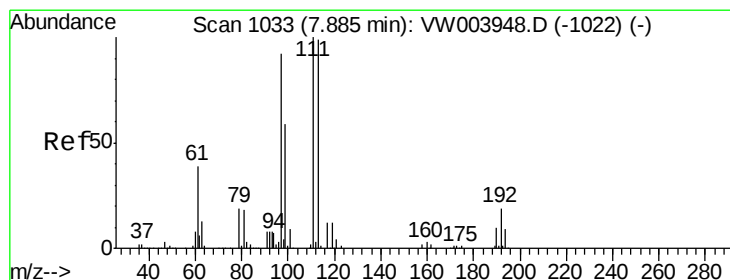
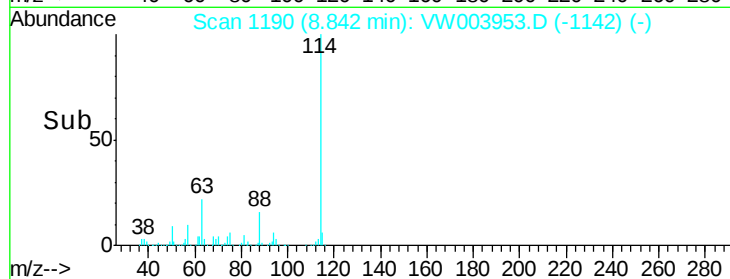
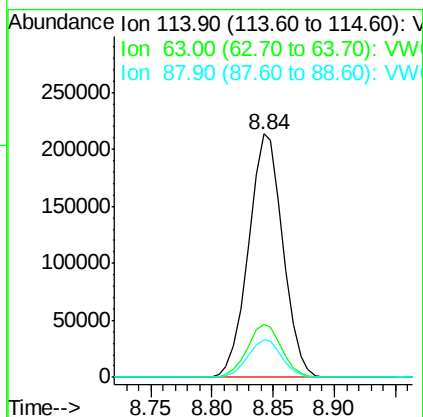
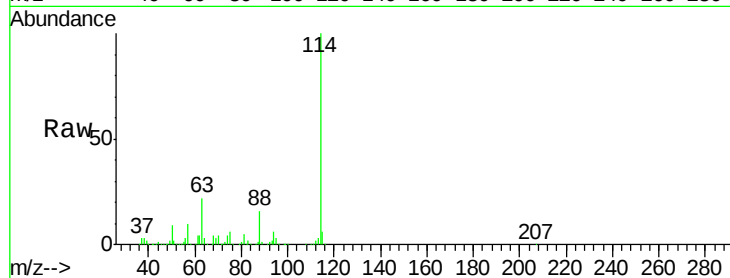




#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.84 min Scan# 1190
 Delta R.T. -0.01 min
 Lab File: VW003953.D
 Acq: 16 Jul 2018 16:12

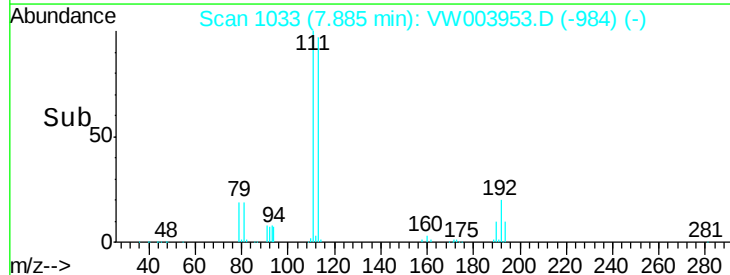
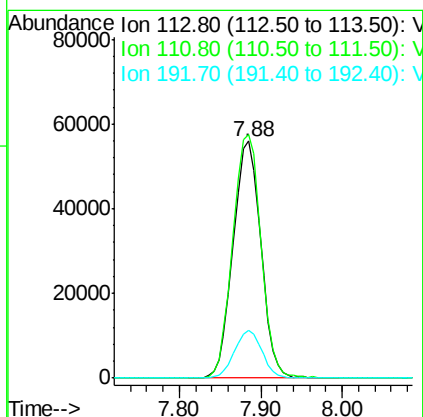
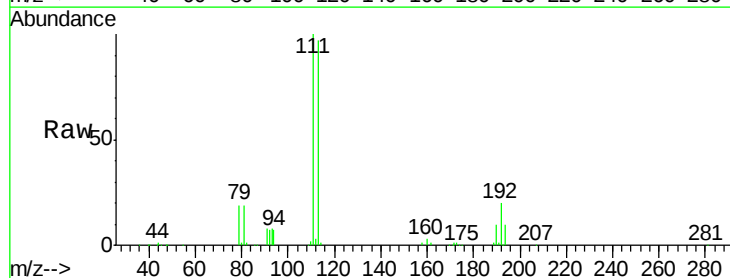
Instrument :
 MSVOA_W
 ClientSampled :

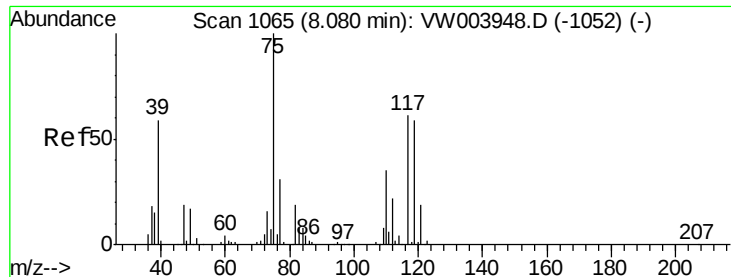
Tot Ion	Ratio	Lower	Upper
114	100		
63	21.9	0.0	42.8
88	15.6	0.0	30.4



#35
 Dibromofluoromethane
 Concen: 49.04 ug/l
 RT: 7.88 min Scan# 1033
 Delta R.T. 0.00 min
 Lab File: VW003953.D
 Acq: 16 Jul 2018 16:12

Tgt Ion	Ratio	Lower	Upper
113	100		
111	104.3	81.3	121.9
192	19.9	15.8	23.6

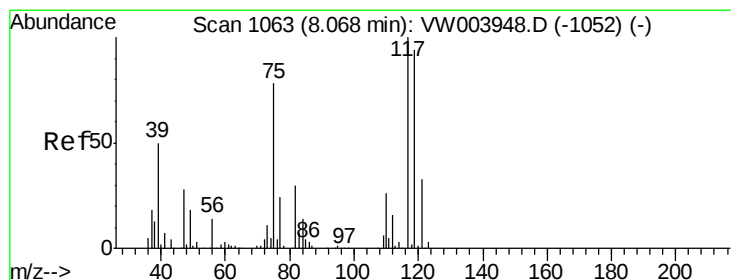
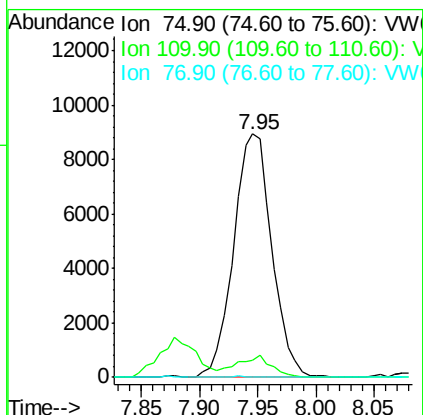
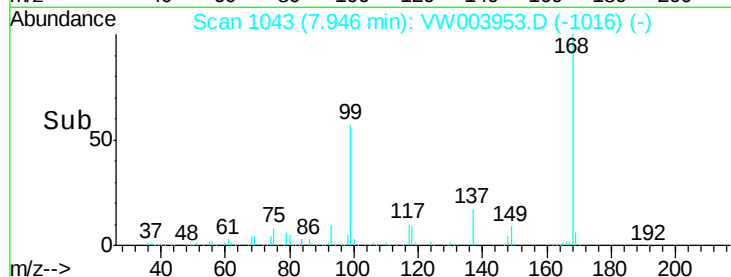
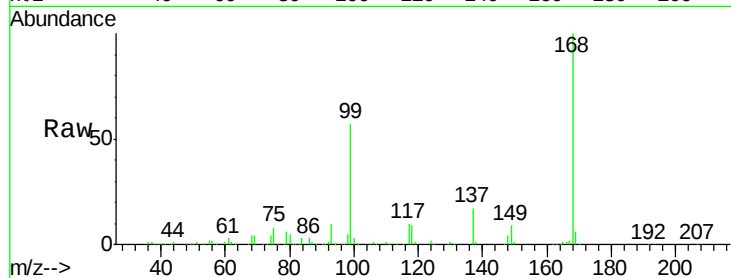




#36
 1,1-Dichloropropene
 Concen: 4.76 ug/l
 RT: 7.95 min Scan# 1043
 Delta R.T. -0.13 min
 Lab File: VW003953.D
 Acq: 16 Jul 2018 16:12

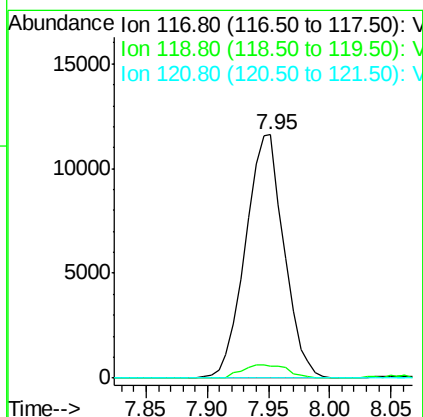
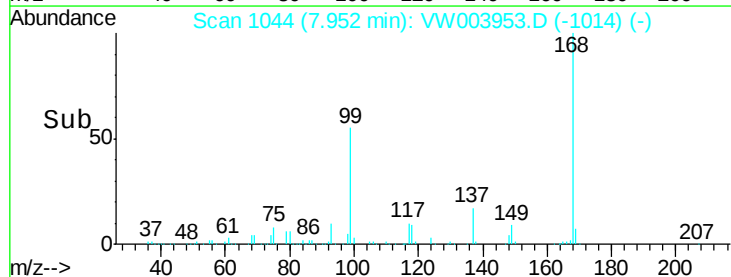
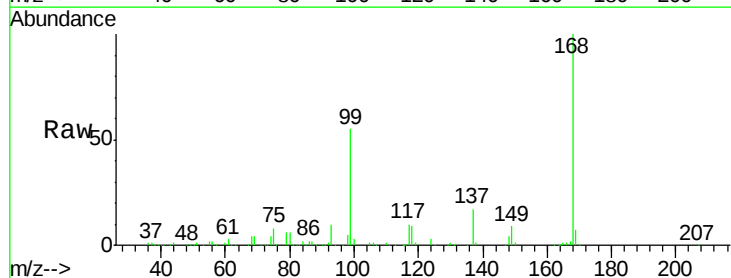
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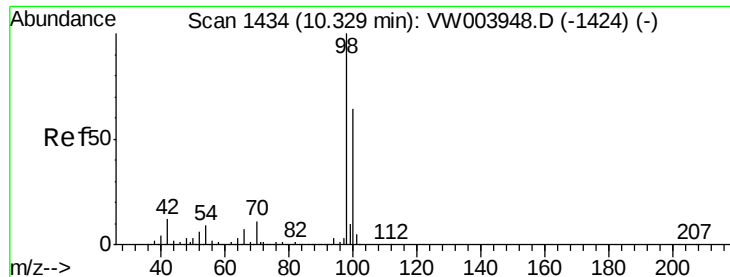
Tot Ion: 75 Resp: 20473
 Ion Ratio Lower Upper
 75 100
 110 8.2 17.0 51.0#
 77 0.1 24.9 37.3#



#38
 Carbon Tetrachloride
 Concen: 6.36 ug/l
 RT: 7.95 min Scan# 1044
 Delta R.T. -0.12 min
 Lab File: VW003953.D
 Acq: 16 Jul 2018 16:12

Tgt Ion: 117 Resp: 25536
 Ion Ratio Lower Upper
 117 100
 119 4.9 75.3 112.9#
 121 0.0 26.0 39.0#





#50

Toluene-d8

Concen: 48.36 ug/l

RT: 10.32 min Scan# 1433

Delta R.T. -0.01 min

Lab File: VW003953.D

Acq: 16 Jul 2018 16:12

Instrument :

MSVOA_W

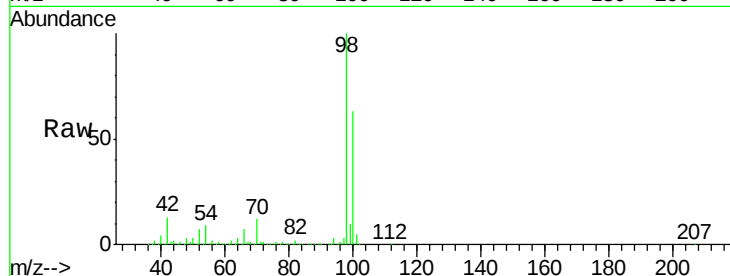
ClientSampled :

Tot Ion: 98 Resp: 503018

Ion Ratio Lower Upper

98 100

100 63.4 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

10.32

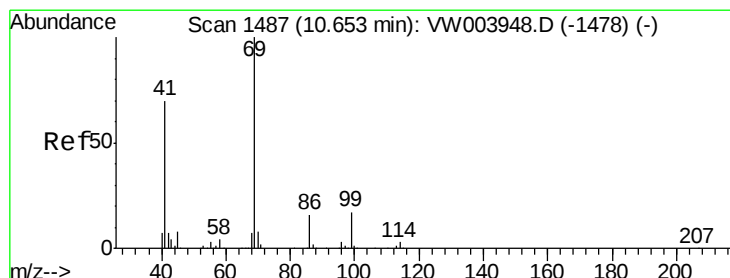
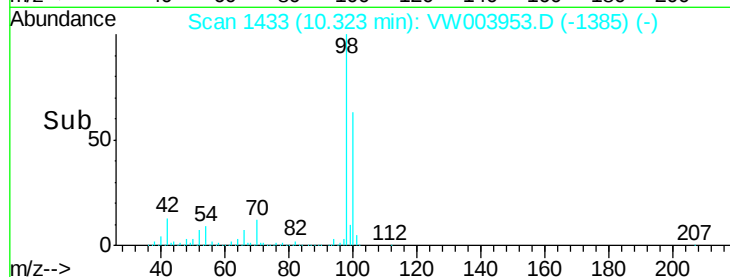
300000

200000

100000

0

Time--> 10.20 10.30 10.40



#56

Ethyl methacrylate

Concen: 2.95 ug/l

RT: 10.78 min Scan# 1508

Delta R.T. 0.13 min

Lab File: VW003953.D

Acq: 16 Jul 2018 16:12

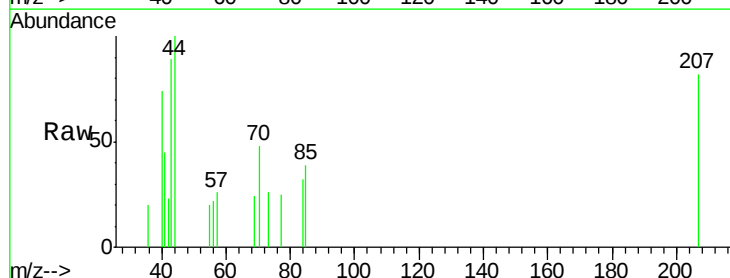
Tgt Ion: 69 Resp: 23

Ion Ratio Lower Upper

69 100

41 1360.9 56.5 84.7#

39 404.3 30.2 45.4#



Abundance Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

300

250

200

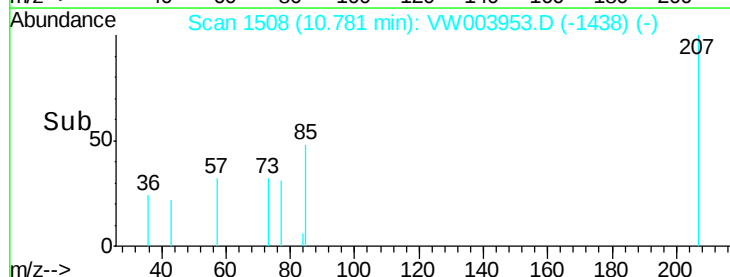
150

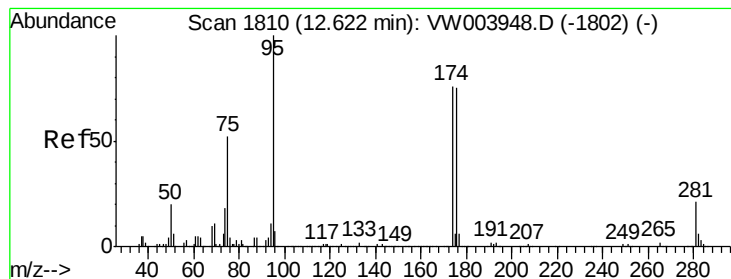
100

50

0

Time--> 10.76 10.78 10.80





#62

4-Bromofluorobenzene

Concen: 45.48 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VW003953.D

Acq: 16 Jul 2018 16:12

Instrument :

MSVOA_W

ClientSampleId :

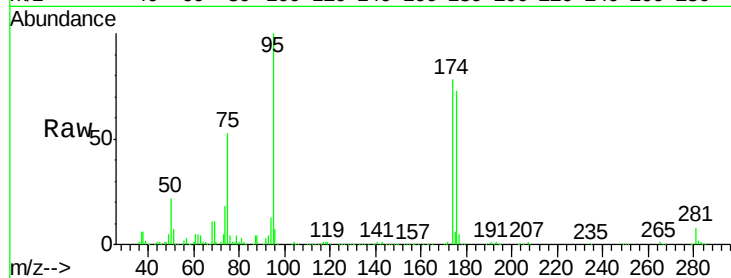
Tot Ion: 95 Resp: 170605

Ion Ratio Lower Upper

95 100

174 81.4 0.0 160.2

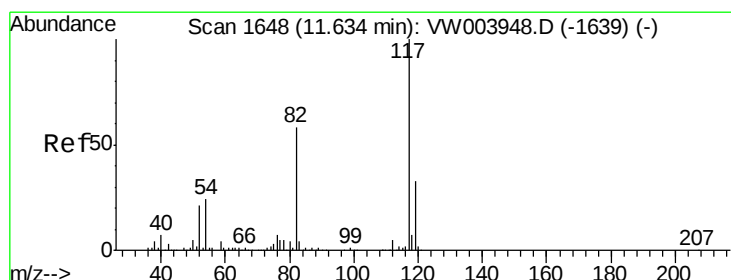
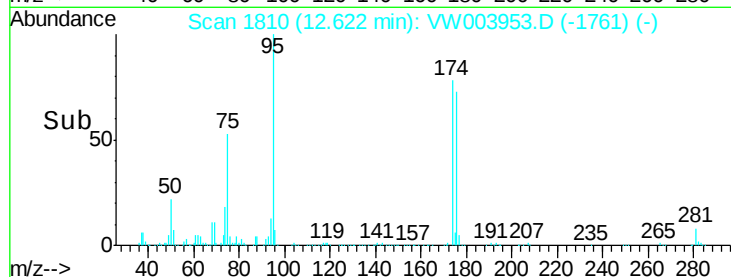
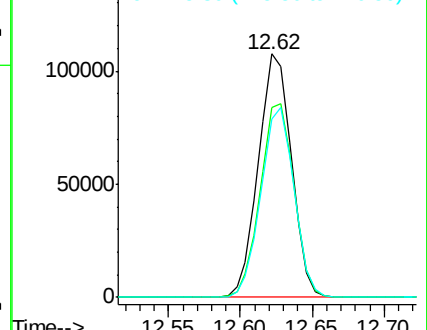
176 78.3 0.0 155.8



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): VW

Ion 175.80 (175.50 to 176.50): VW



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.63 min Scan# 1648

Delta R.T. 0.00 min

Lab File: VW003953.D

Acq: 16 Jul 2018 16:12

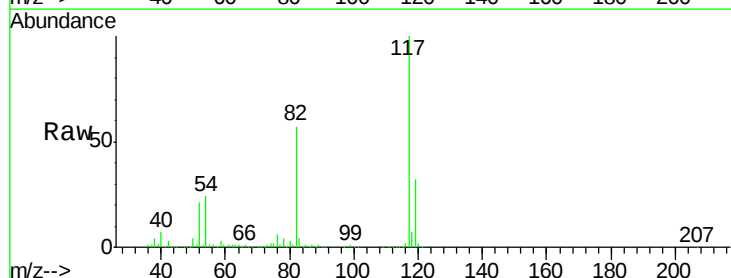
Tgt Ion: 117 Resp: 383955

Ion Ratio Lower Upper

117 100

82 57.2 46.5 69.7

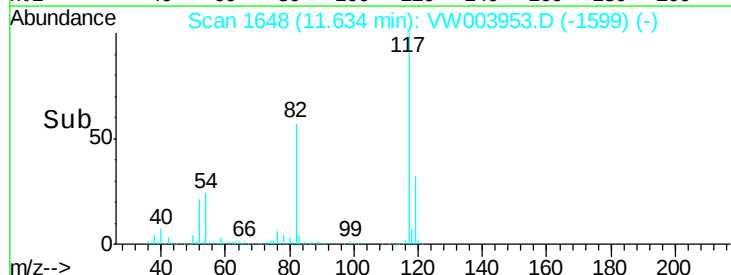
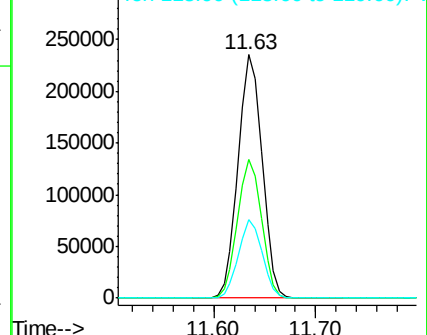
119 32.3 26.2 39.2

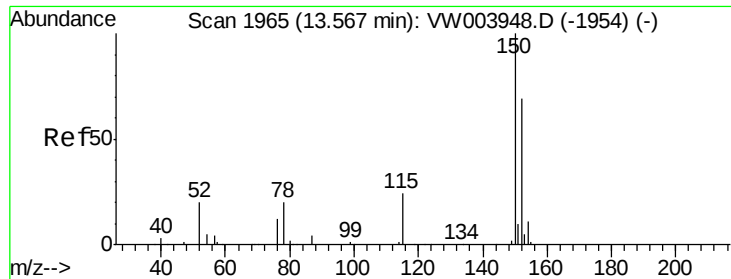


Abundance Ion 116.90 (116.60 to 117.60): VW

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.57 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VW003953.D

Acq: 16 Jul 2018 16:12

Instrument :

MSVOA_W

ClientSampleId :

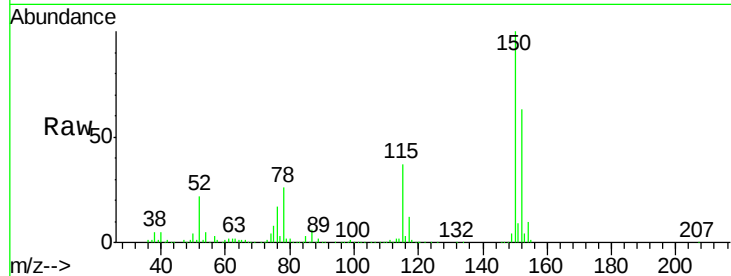
Tot Ion:152 Resp: 188637

Ion Ratio Lower Upper

152 100

115 58.5 29.2 87.6

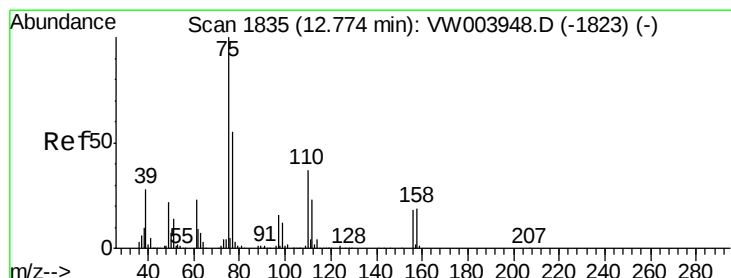
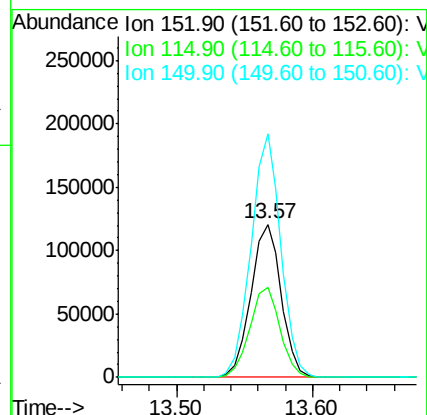
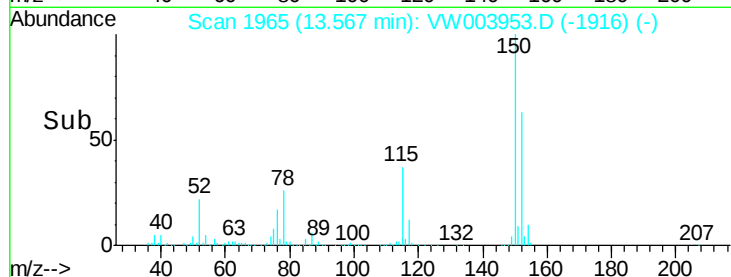
150 156.3 0.0 345.2



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: 48.44 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. -0.15 min

Lab File: VW003953.D

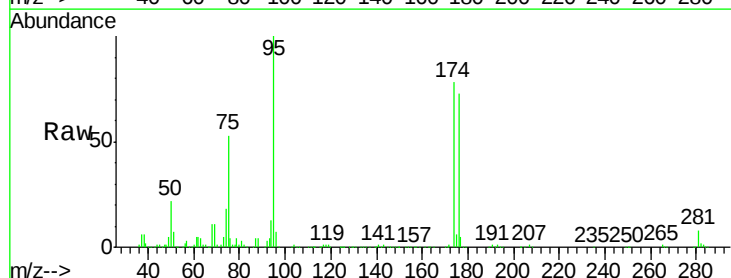
Acq: 16 Jul 2018 16:12

Tgt Ion: 75 Resp: 90722

Ion Ratio Lower Upper

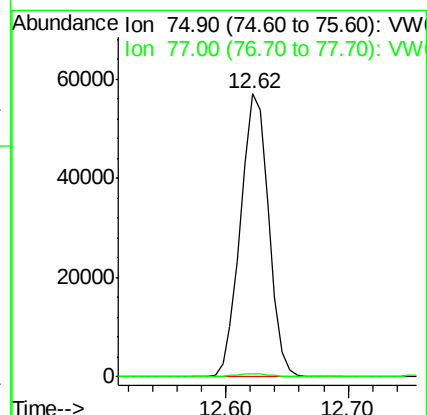
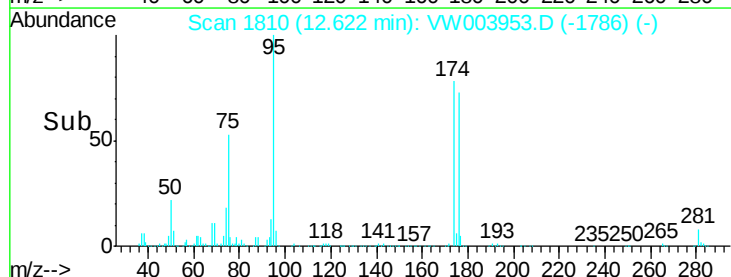
75 100

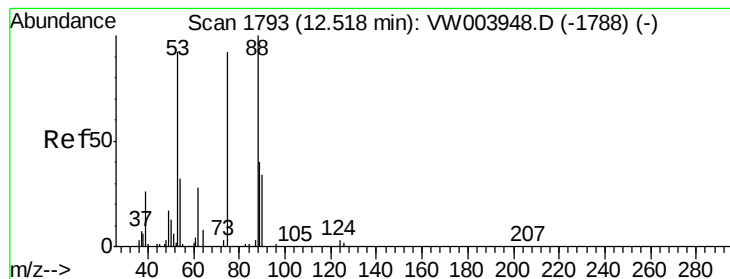
77 1.3 0.0 0.0#



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: 107.16 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. 0.10 min

Lab File: VW003953.D

Acq: 16 Jul 2018 16:12

Instrument :

MSVOA_W

ClientSampleId :

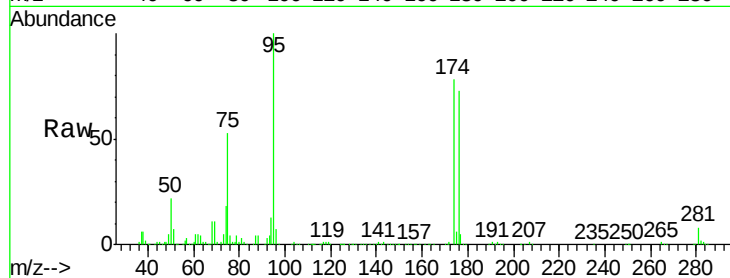
Tot Ion: 75 Resp: 90722

Ion Ratio Lower Upper

75 100

53 0.1 77.6 116.4#

89 0.0 36.6 54.8#



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

