

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW071318\
 Data File : VW003940.D
 Acq On : 14 Jul 2018 02:13
 Operator : VA/AP
 Sample : J3943-01
 Misc : 5.04G/5ML/MSVOA W/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jul 14 04:19:03 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	201574	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	353572	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	316672	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	145372	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	137870	52.30	ug/l	0.00
Spiked Amount			Recovery	=	104.60%	
35) Dibromofluoromethane	7.88	113	117199	47.36	ug/l	0.00
Spiked Amount			Recovery	=	94.72%	
50) Toluene-d8	10.33	98	412163	43.54	ug/l	0.00
Spiked Amount			Recovery	=	87.08%	
62) 4-Bromofluorobenzene	12.62	95	141033	41.18	ug/l	0.00
Spiked Amount			Recovery	=	82.36%	

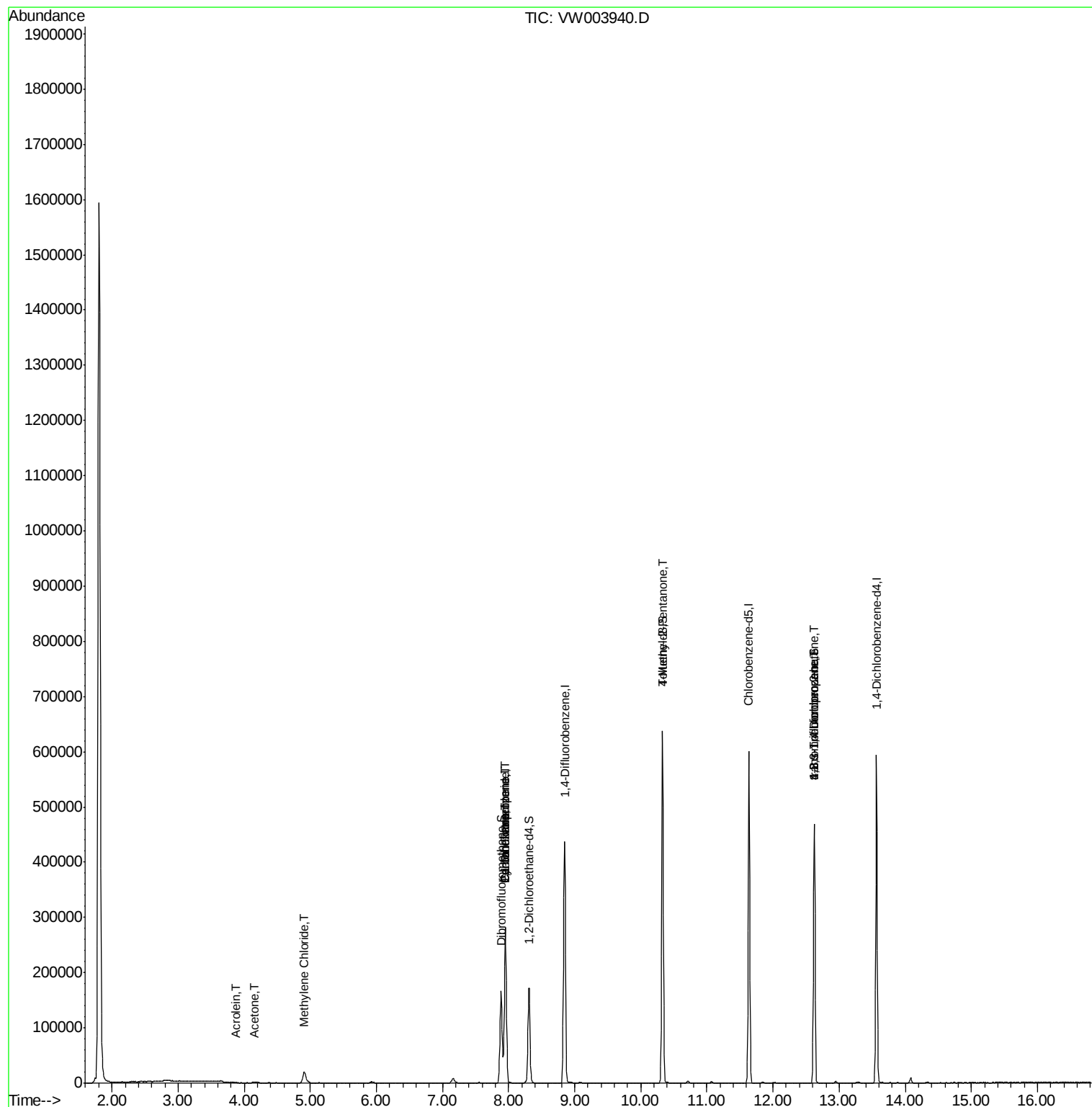
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	3.89	56	20	4.825	ug/l #	14
16) Acetone	4.15	43	1575	3.444	ug/l	99
20) Methylene Chloride	4.92	84	15560	2.846	ug/l	93
31) Cyclohexane	7.95	56	4925	1.280	ug/l #	6
36) 1,1-Dichloropropene	7.95	75	17118	4.563	ug/l #	50
38) Carbon Tetrachloride	7.95	117	20211	5.666	ug/l #	17
51) 4-Methyl-2-Pentanone	10.33	43	2303	1.286	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	76605	53.663	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	76605	131.272	ug/l #	8

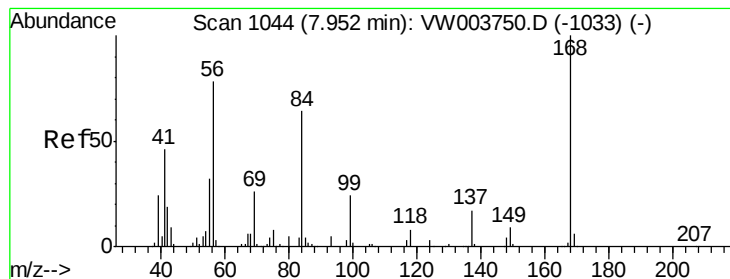
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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: VW003940.D

Acq: 14 Jul 2018 02:13

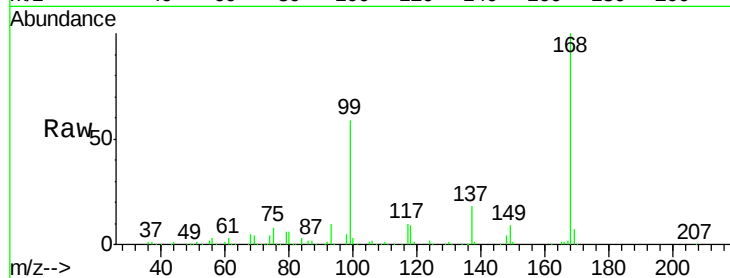
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:168 Resp: 201574

Ion Ratio Lower Upper

168 100

99 59.1 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

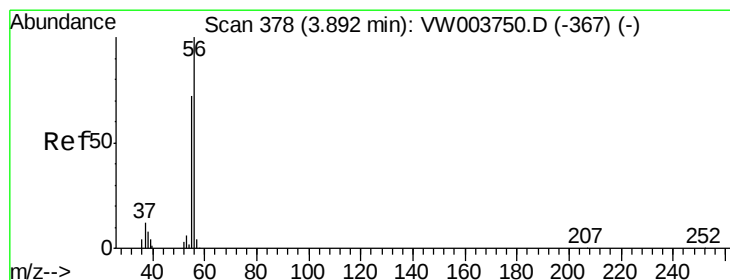
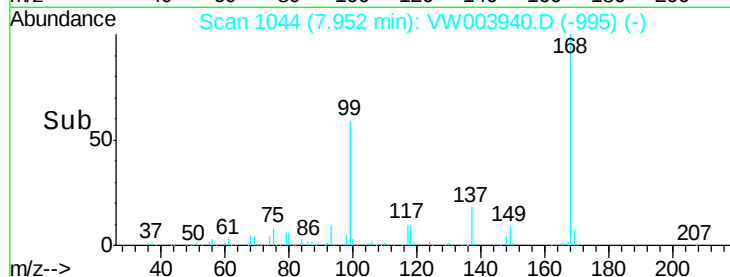
60000

40000

20000

0

Time-->



#13

Acrolein

Concen: 4.825 ug/l

RT: 3.89 min Scan# 377

Delta R.T. -0.01 min

Lab File: VW003940.D

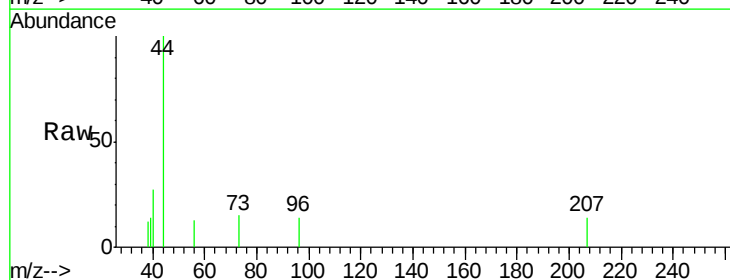
Acq: 14 Jul 2018 02:13

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

3.89

60

50

40

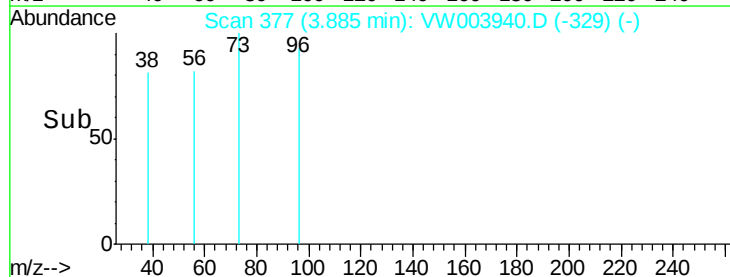
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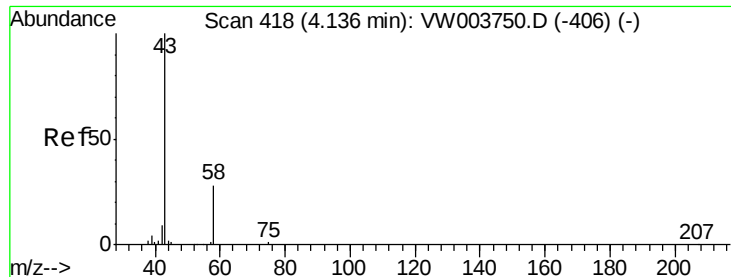
20

10

0

Time-->





#16

Acetone

Concen: 3.444 ug/l

RT: 4.15 min Scan# 421

Delta R.T. 0.02 min

Lab File: VW003940.D

Acq: 14 Jul 2018 02:13

Instrument :

MSVOA_W

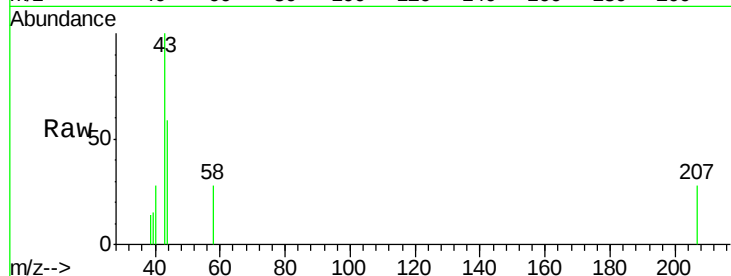
ClientSampled :

Tot Ion: 43 Resp: 1575

Ion Ratio Lower Upper

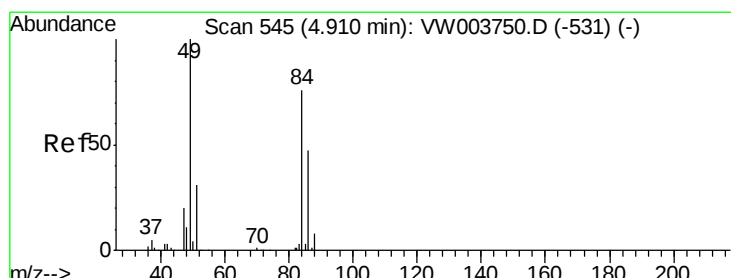
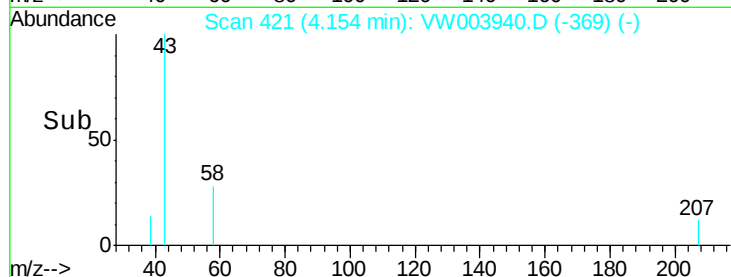
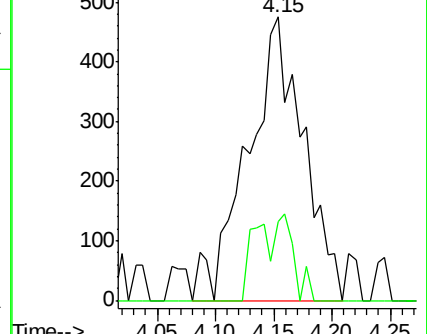
43 100

58 28.0 22.6 34.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#20

Methylene Chloride

Concen: 2.846 ug/l

RT: 4.92 min Scan# 546

Delta R.T. 0.01 min

Lab File: VW003940.D

Acq: 14 Jul 2018 02:13

Tgt Ion: 84 Resp: 15560

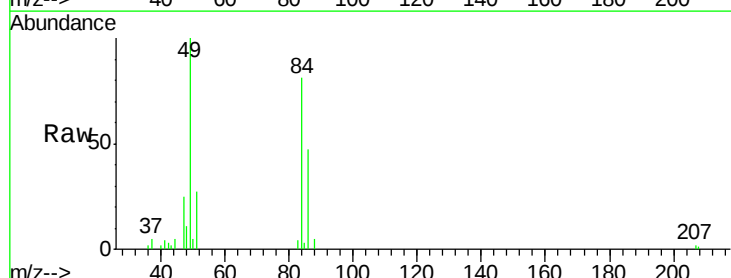
Ion Ratio Lower Upper

84 100

49 123.7 105.1 157.7

51 33.2 32.5 48.7

86 57.7 49.8 74.6

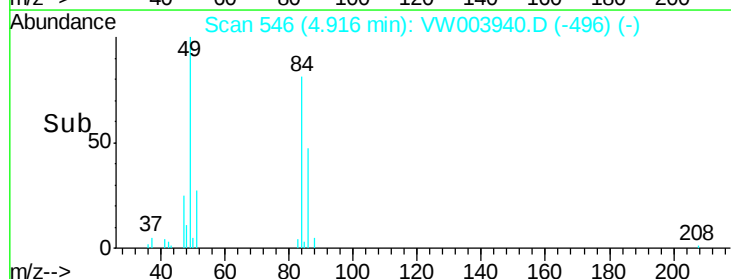
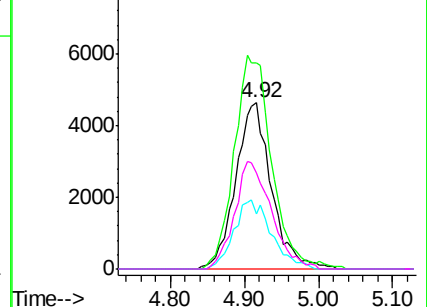


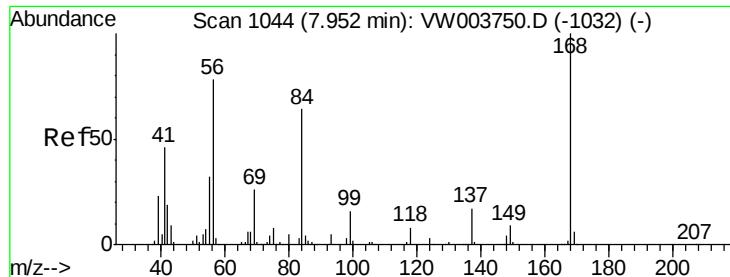
Abundance Ion 83.90 (83.60 to 84.60): VW

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

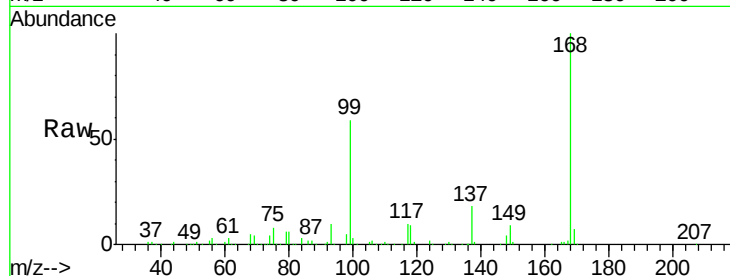




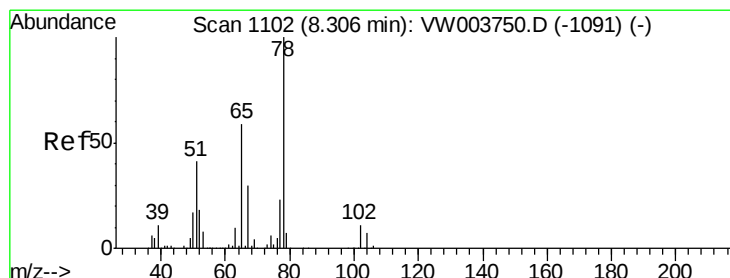
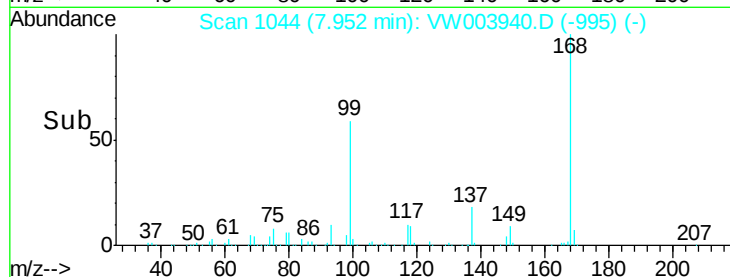
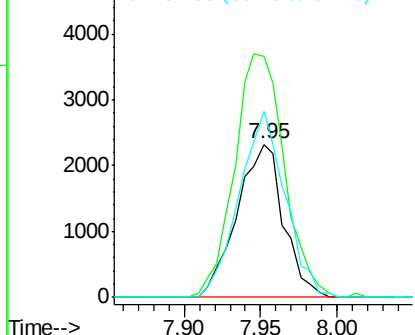
#31
Cyclohexane
Concen: 1.280 ug/l
RT: 7.95 min Scan# 1044
Delta R.T. -0.00 min
Lab File: VW003940.D
Acq: 14 Jul 2018 02:13

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 56 Resp: 4925
Ion Ratio Lower Upper
56 100
69 156.8 26.2 39.4#
84 121.1 65.5 98.3#

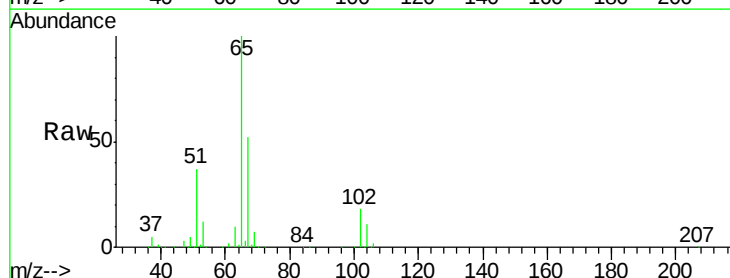


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

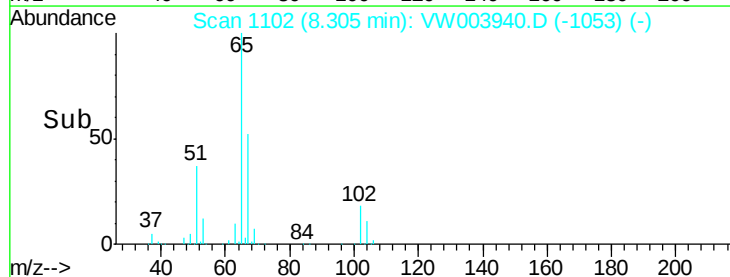
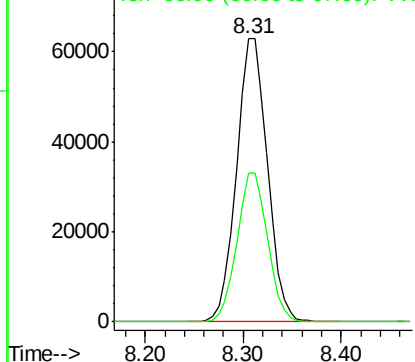


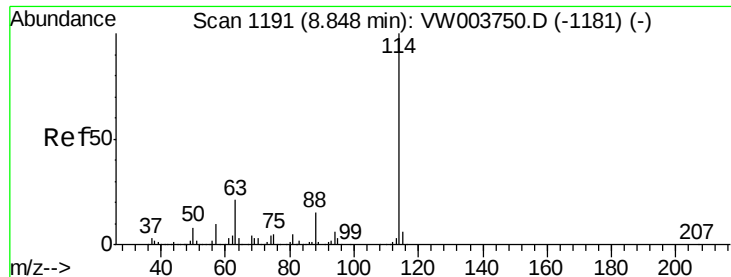
#33
1,2-Dichloroethane-d4
Concen: 52.302 ug/l
RT: 8.31 min Scan# 1102
Delta R.T. -0.00 min
Lab File: VW003940.D
Acq: 14 Jul 2018 02:13

Tgt Ion: 65 Resp: 137870
Ion Ratio Lower Upper
65 100
67 52.0 0.0 103.8



Abundance Ion 64.90 (64.60 to 65.60): VW
Ion 66.90 (66.60 to 67.60): VW

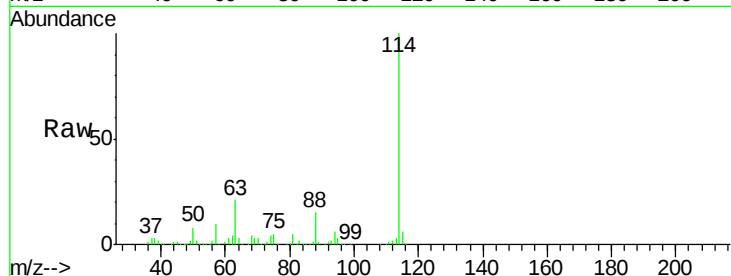




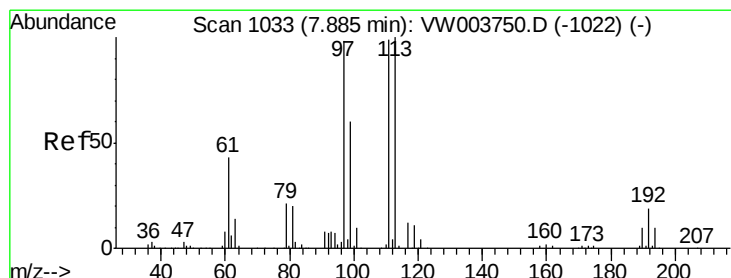
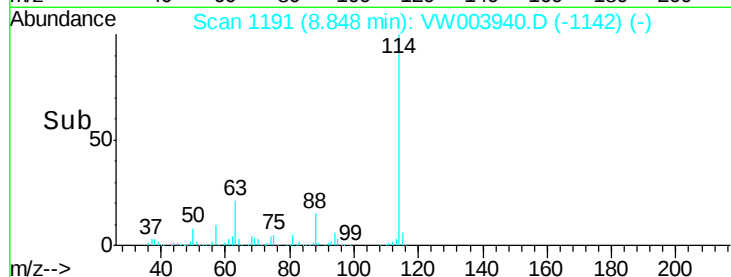
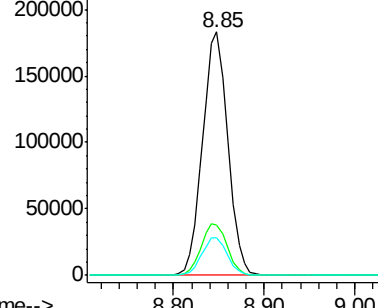
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1191
 Delta R.T. -0.00 min
 Lab File: VW003940.D
 Acq: 14 Jul 2018 02:13

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
114	100		
63	20.9	0.0	41.8
88	15.5	0.0	30.2

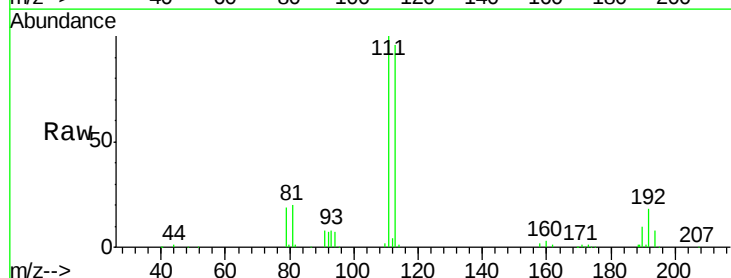


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

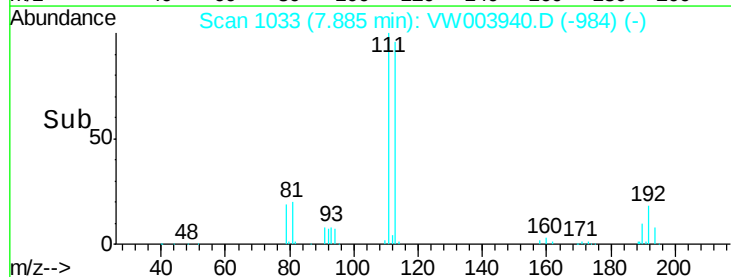
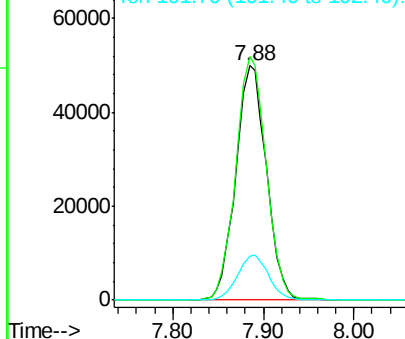


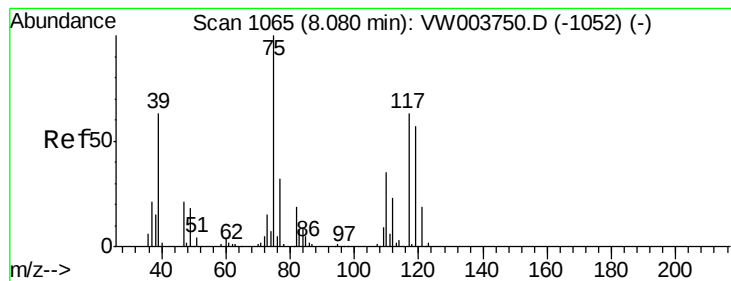
#35
 Dibromofluoromethane
 Concen: 47.361 ug/l
 RT: 7.88 min Scan# 1033
 Delta R.T. -0.00 min
 Lab File: VW003940.D
 Acq: 14 Jul 2018 02:13

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.3	81.7	122.5
192	19.2	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: 4.563 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.13 min

Lab File: VW003940.D

Acq: 14 Jul 2018 02:13

Instrument :
MSVOA_W
ClientSampleId :

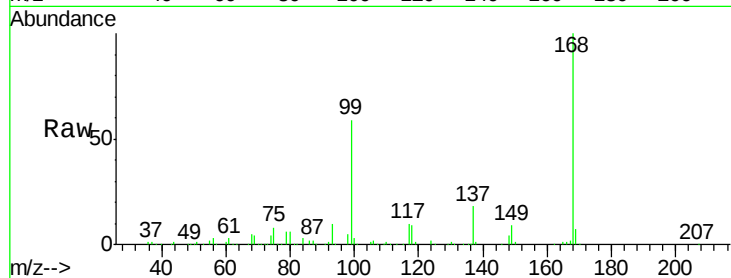
Tot Ion: 75 Resp: 17118

Ion Ratio Lower Upper

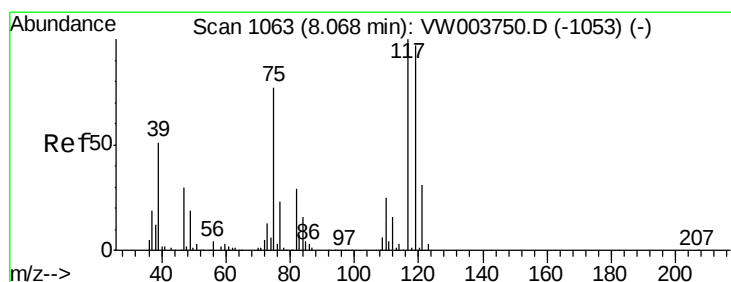
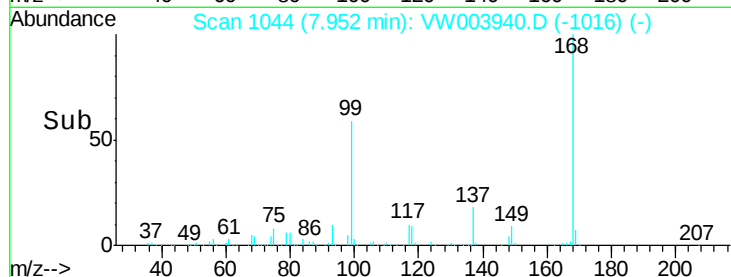
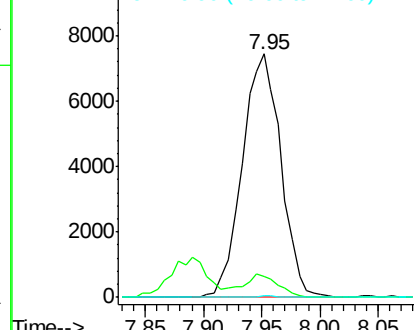
75 100

110 8.3 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: 5.666 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.12 min

Lab File: VW003940.D

Acq: 14 Jul 2018 02:13

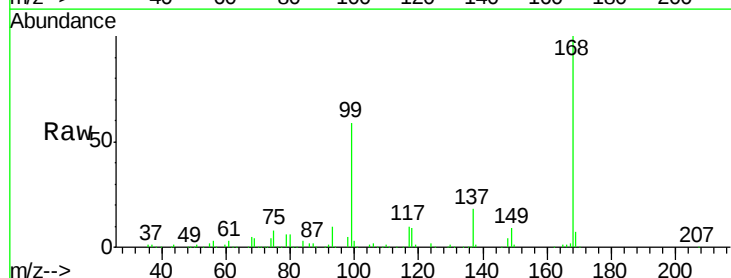
Tgt Ion: 117 Resp: 20211

Ion Ratio Lower Upper

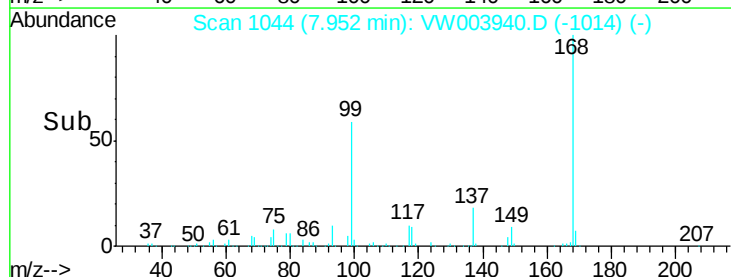
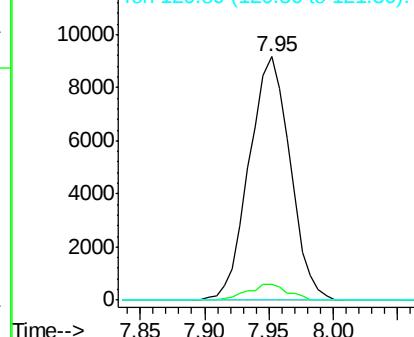
117 100

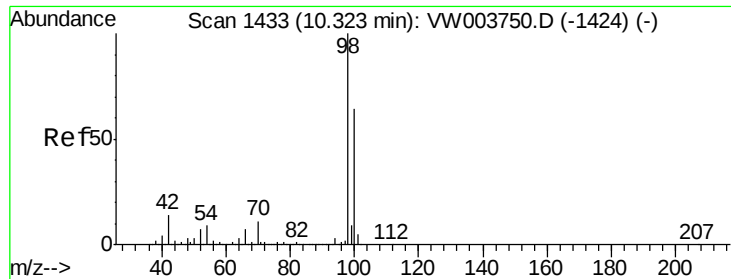
119 6.7 77.4 116.2#

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

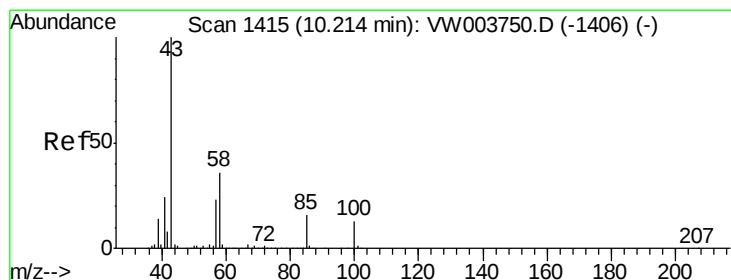
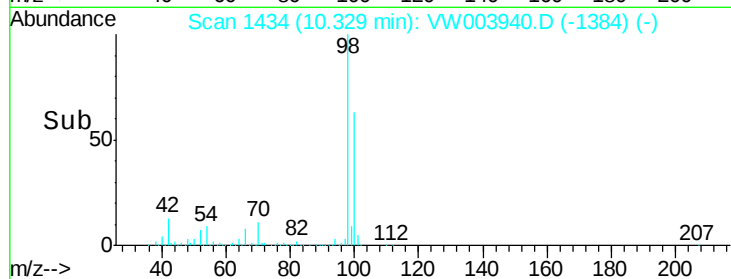
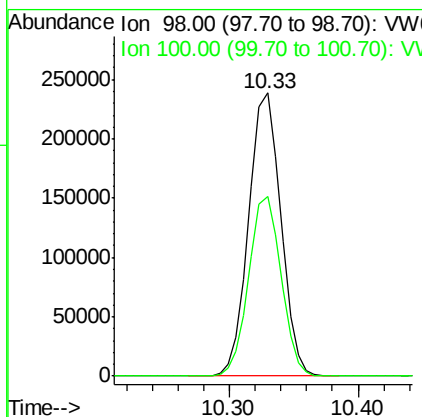
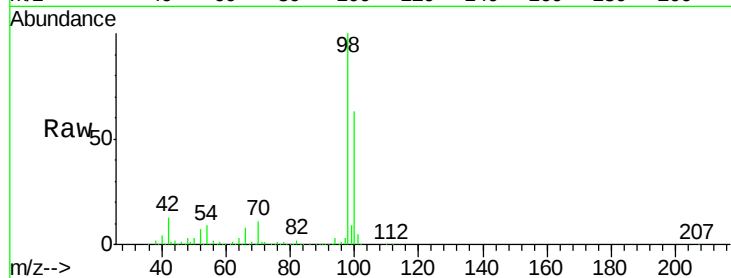




#50
Toluene-d8
Concen: 43.542 ug/l
RT: 10.33 min Scan# 1434
Delta R.T. 0.01 min
Lab File: VW003940.D
Acq: 14 Jul 2018 02:13

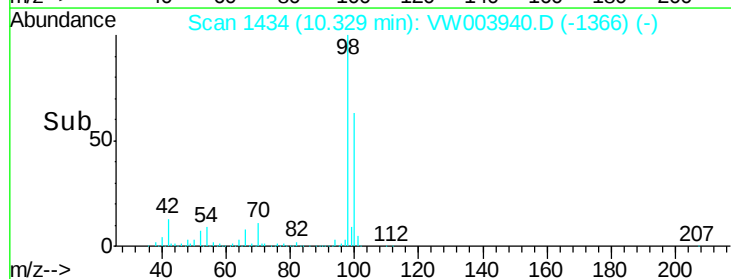
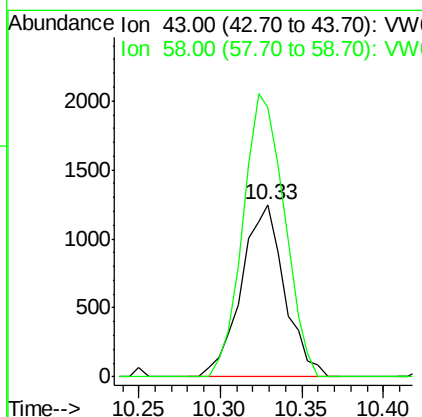
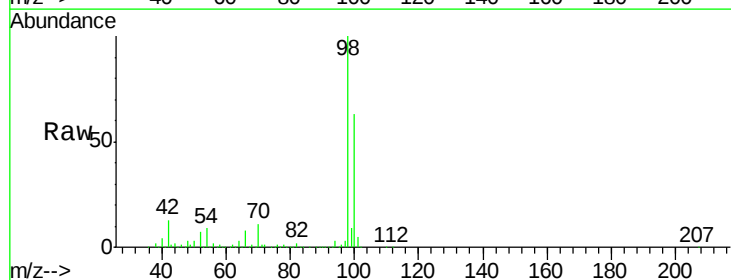
Instrument :
MSVOA_W
ClientSampled :

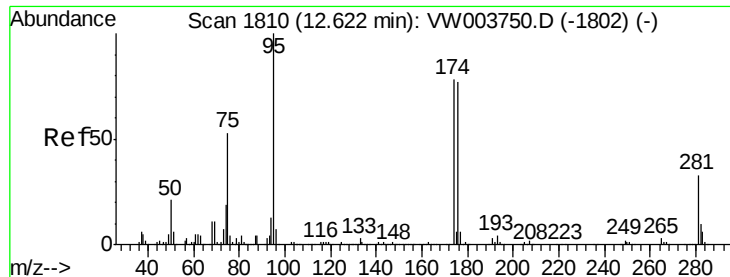
Tot Ion: 98 Resp: 412163
Ion Ratio Lower Upper
98 100
100 63.9 50.8 76.2



#51
4-Methyl-2-Pentanone
Concen: 1.286 ug/l
RT: 10.33 min Scan# 1434
Delta R.T. 0.12 min
Lab File: VW003940.D
Acq: 14 Jul 2018 02:13

Tgt Ion: 43 Resp: 2303
Ion Ratio Lower Upper
43 100
58 157.8 29.3 43.9#

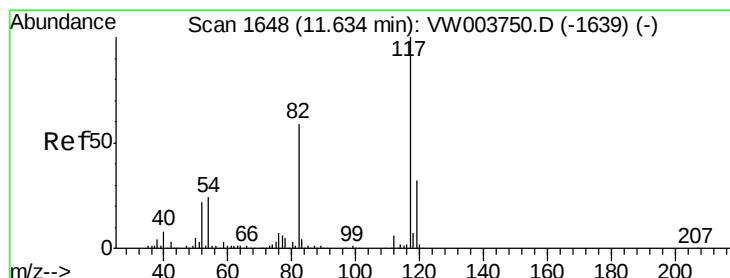
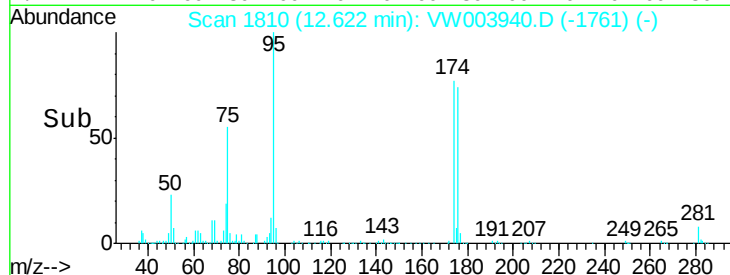
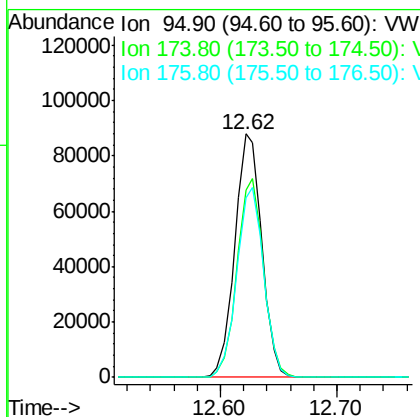
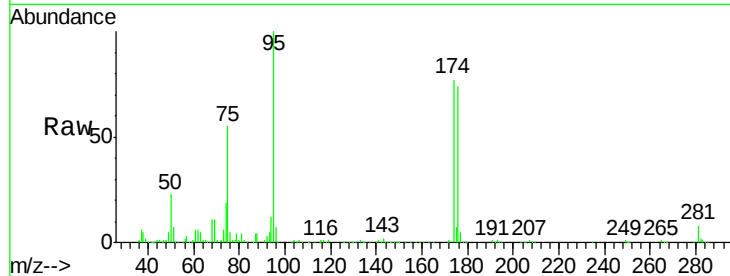




#62
4-Bromofluorobenzene
Concen: 41.178 ug/l
RT: 12.62 min Scan# 1810
Delta R.T. -0.00 min
Lab File: VW003940.D
Acq: 14 Jul 2018 02:13

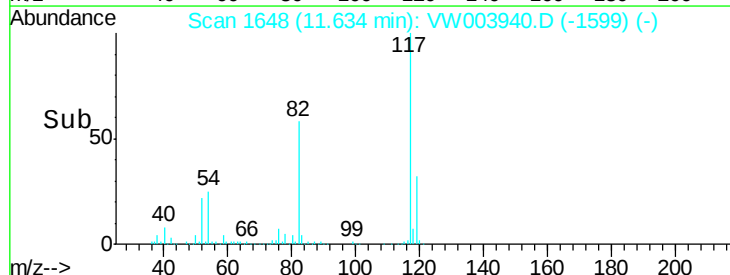
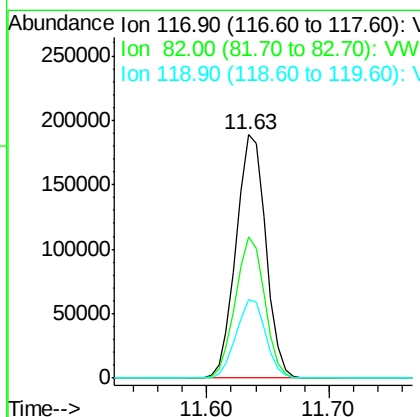
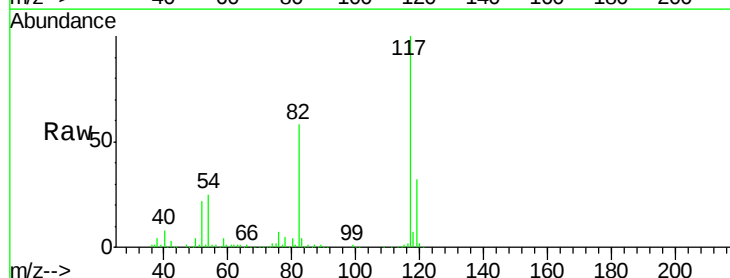
Instrument :
MSVOA_W
ClientSampled :

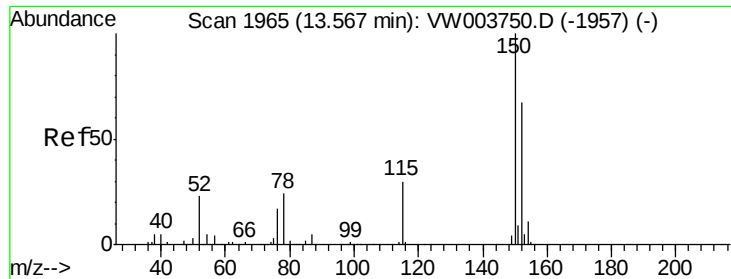
Tot Ion: 95 Resp: 141033
Ion Ratio Lower Upper
95 100
174 80.8 0.0 163.4
176 77.9 0.0 156.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. -0.00 min
Lab File: VW003940.D
Acq: 14 Jul 2018 02:13

Tgt Ion: 117 Resp: 316672
Ion Ratio Lower Upper
117 100
82 58.0 46.9 70.3
119 32.4 25.5 38.3



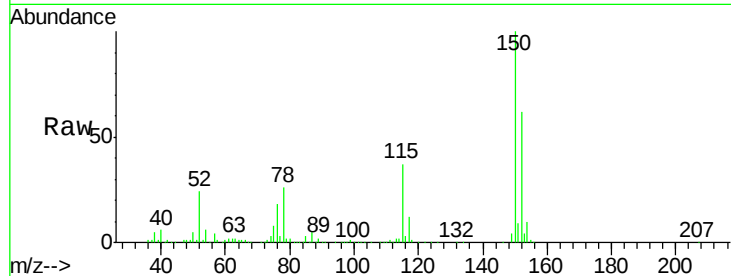


#72

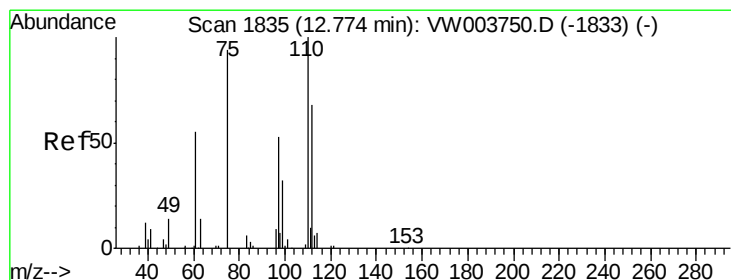
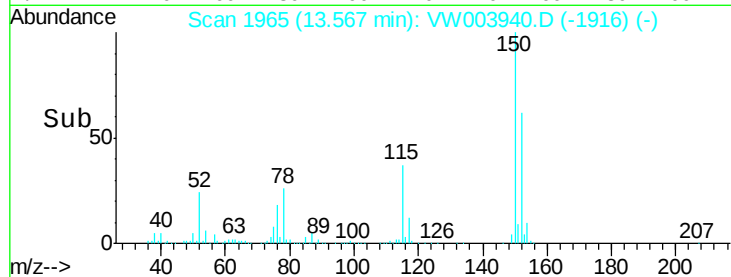
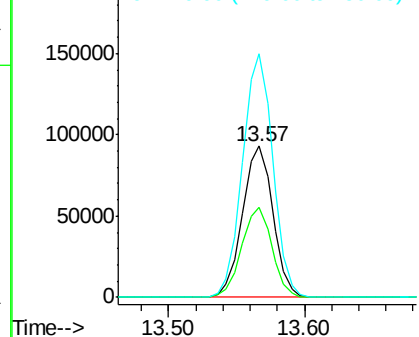
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1965
Delta R.T. -0.00 min
Lab File: VW003940.D
Acq: 14 Jul 2018 02:13

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:152 Resp: 145372
Ion Ratio Lower Upper
152 100
115 59.2 28.9 86.8
150 160.2 0.0 342.4



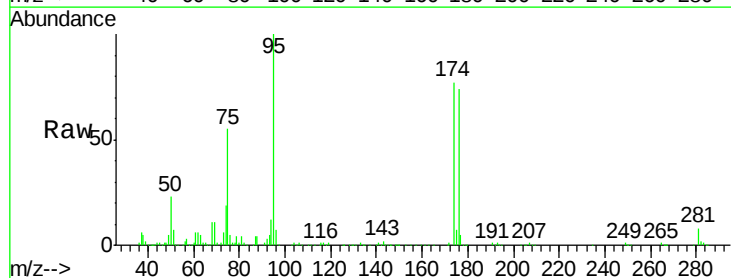
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



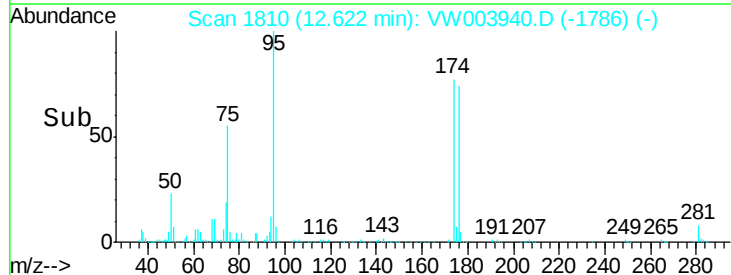
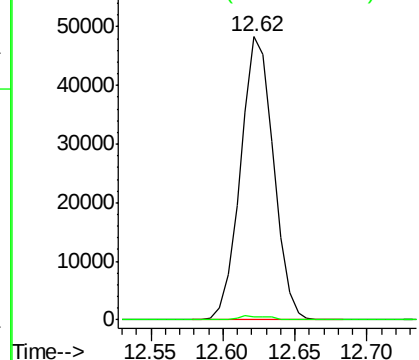
#76

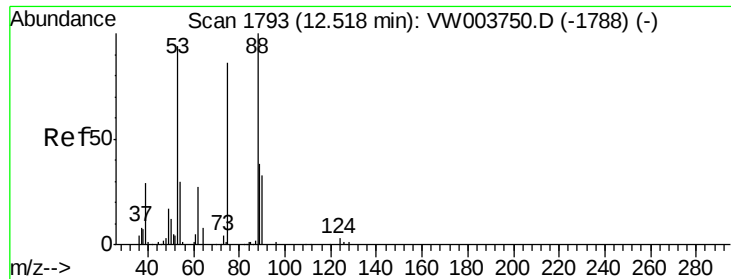
1,2,3-Trichloropropane
Concen: 53.663 ug/l
RT: 12.62 min Scan# 1810
Delta R.T. -0.15 min
Lab File: VW003940.D
Acq: 14 Jul 2018 02:13

Tgt Ion: 75 Resp: 76605
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: 131.272 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. 0.10 min

Lab File: VW003940.D

Acq: 14 Jul 2018 02:13

Instrument :

MSVOA_W

ClientSampleId :

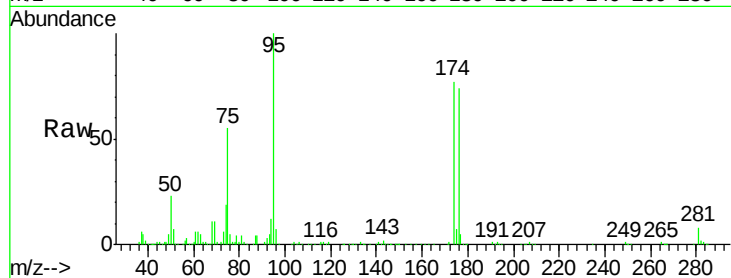
Tot Ion: 75 Resp: 76605

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

