

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW071118\
 Data File : VW003884.D
 Acq On : 12 Jul 2018 00:26
 Operator : SY/AP
 Sample : J3914-05RE
 Misc : 3.08G/5ML/MSVOA W/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jul 12 01:57:31 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	147251	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	243666	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	185185	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	60837	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	99514	51.68	ug/l	0.00
Spiked Amount			Recovery	=	103.36%	
35) Dibromofluoromethane	7.88	113	86087	50.48	ug/l	0.00
Spiked Amount			Recovery	=	100.96%	
50) Toluene-d8	10.33	98	279926	42.91	ug/l	0.00
Spiked Amount			Recovery	=	85.82%	
62) 4-Bromofluorobenzene	12.62	95	65400	27.71	ug/l	0.00
Spiked Amount			Recovery	=	55.42%	

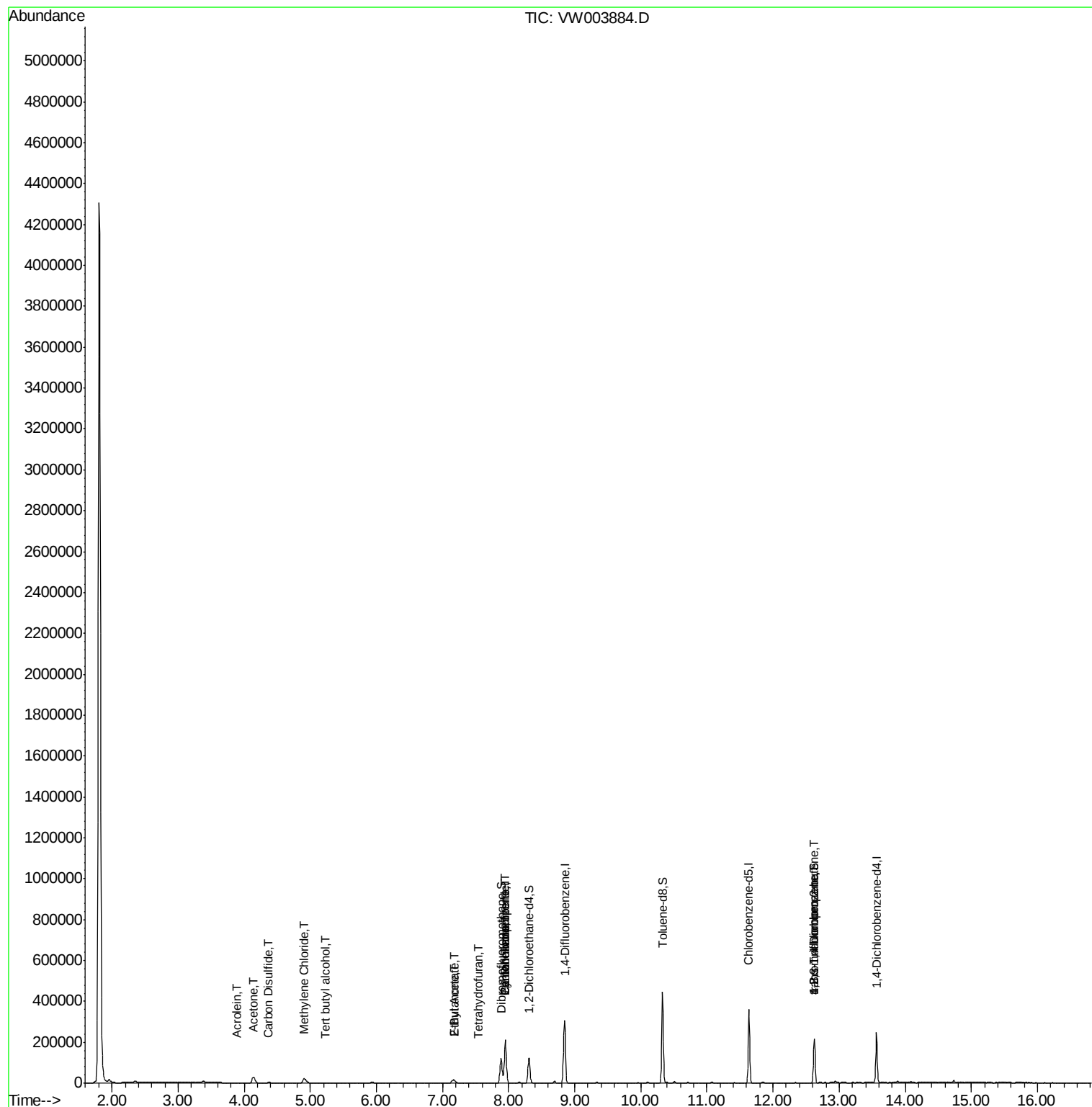
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.23	59	383	3.670	ug/l #	70
13) Acrolein	3.89	56	24	4.878	ug/l #	1
16) Acetone	4.14	43	59259	177.374	ug/l	97
17) Carbon Disulfide	4.37	76	7130	1.572	ug/l #	91
20) Methylene Chloride	4.90	84	17247	6.805	ug/l	96
25) 2-Butanone	7.19	43	14032	26.816	ug/l	98
29) Tetrahydrofuran	7.54	42	506	1.504	ug/l #	43
31) Cyclohexane	7.95	56	4483	1.595	ug/l #	28
36) 1,1-Dichloropropene	7.95	75	12618	4.880	ug/l #	51
37) Ethyl Acetate	7.19	43	14032	11.154	ug/l #	70
38) Carbon Tetrachloride	7.95	117	15477	6.296	ug/l #	15
76) 1,2,3-Trichloropropane	12.62	75	36252	60.682	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	36252	148.443	ug/l #	7

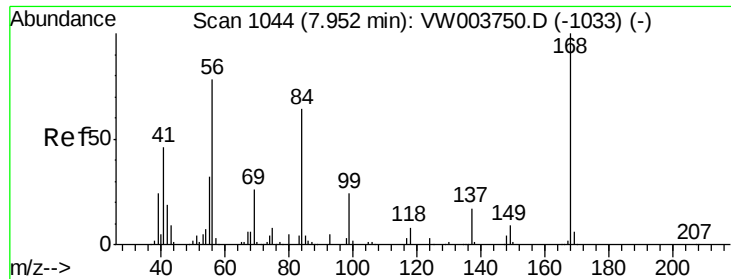
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW003884.D

Acq: 12 Jul 2018 00:26

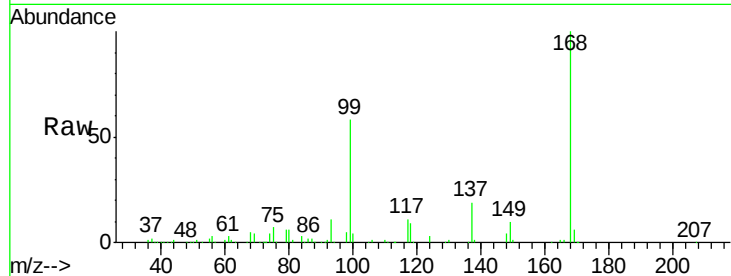
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:168 Resp: 147251

Ion Ratio Lower Upper

168 100

99 57.5 45.0 67.6



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

80000

60000

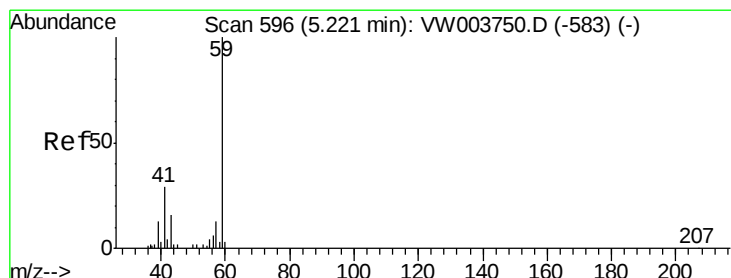
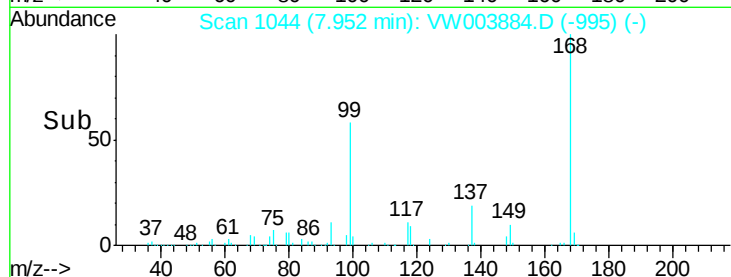
40000

20000

0

7.90 8.00 8.10

Time-->



#11

Tert butyl alcohol

Concen: 3.670 ug/l

RT: 5.23 min Scan# 597

Delta R.T. 0.01 min

Lab File: VW003884.D

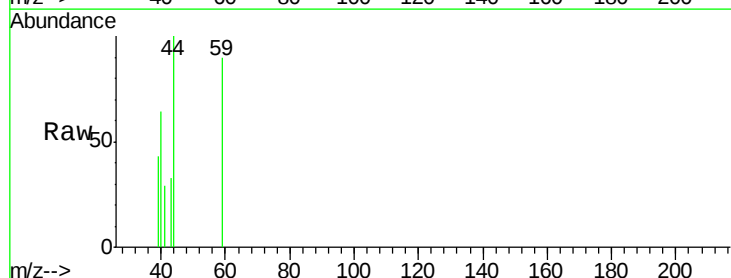
Acq: 12 Jul 2018 00:26

Tgt Ion: 59 Resp: 383

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

5.23

250

200

150

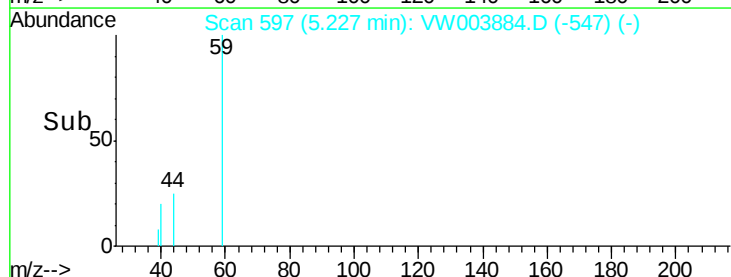
100

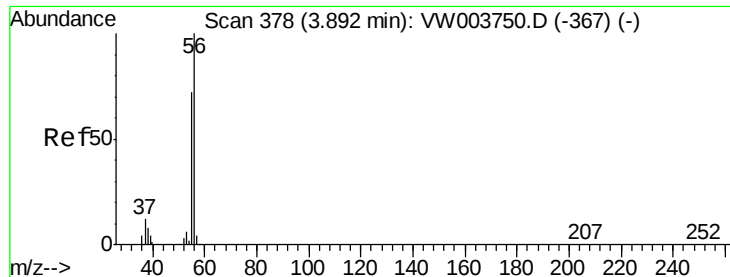
50

0

5.20 5.22 5.24

Time-->





#13

Acrolein

Concen: 4.878 ug/l

RT: 3.89 min Scan# 377

Delta R.T. -0.01 min

Lab File: VW003884.D

Acq: 12 Jul 2018 00:26

Instrument :

MSVOA_W

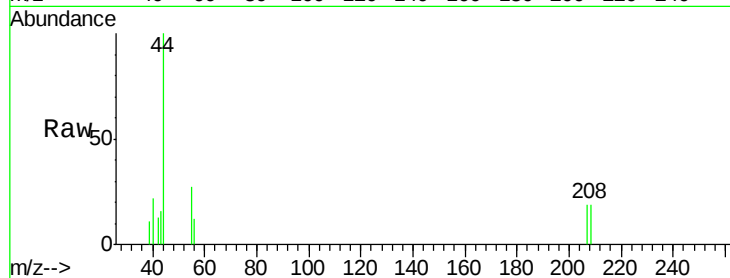
ClientSampled :

Tot Ion: 56 Resp: 24

Ion Ratio Lower Upper

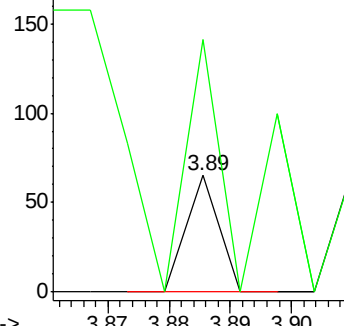
56 100

55 366.7 57.5 86.3#

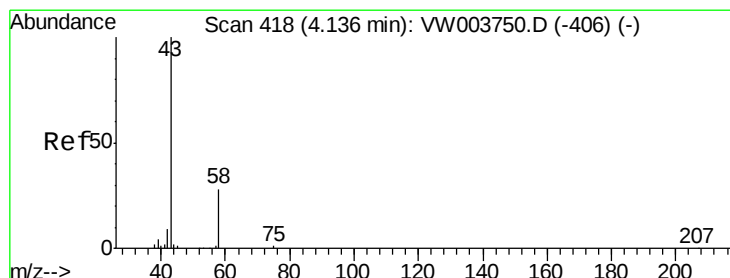
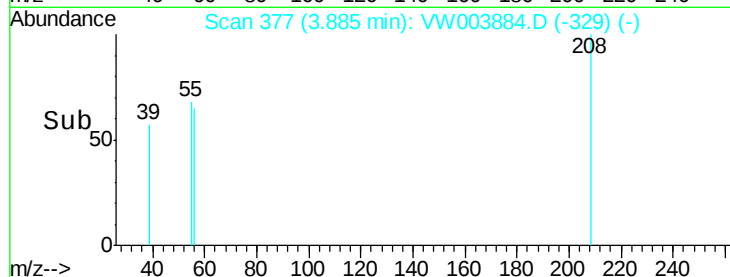


Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW



Time-->



#16

Acetone

Concen: 177.374 ug/l

RT: 4.14 min Scan# 418

Delta R.T. -0.00 min

Lab File: VW003884.D

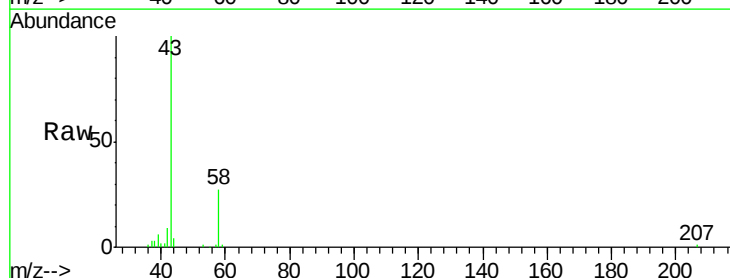
Acq: 12 Jul 2018 00:26

Tgt Ion: 43 Resp: 59259

Ion Ratio Lower Upper

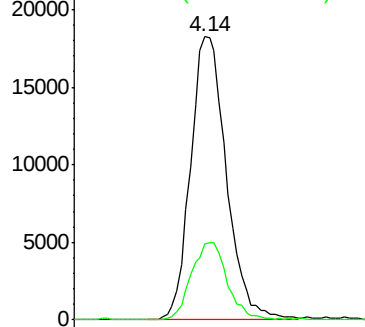
43 100

58 26.8 22.6 34.0

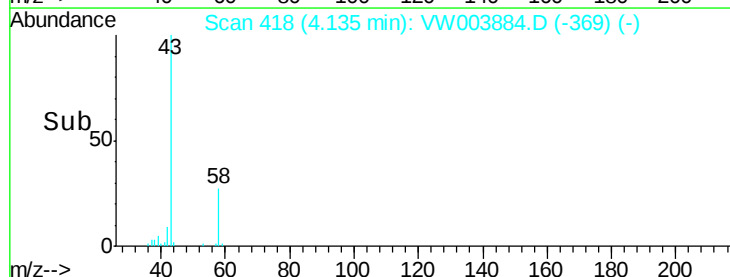


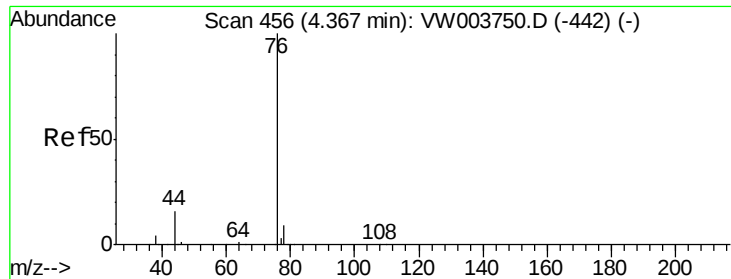
Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



Time-->

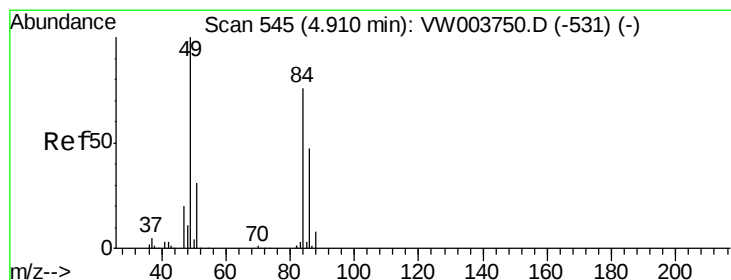
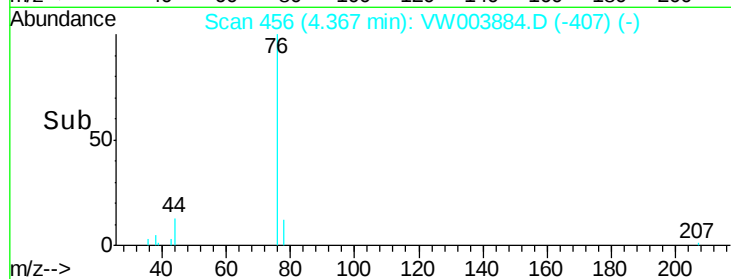
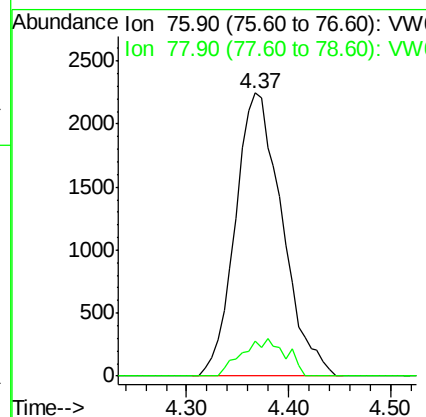
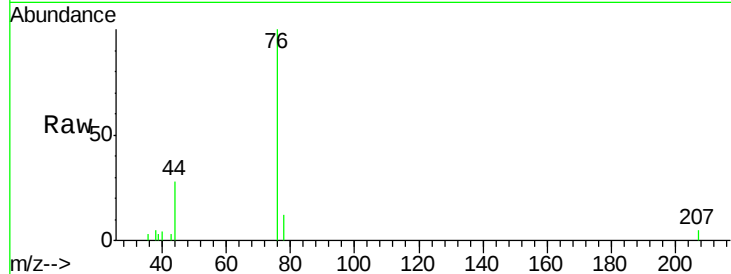




#17
Carbon Disulfide
Concen: 1.572 ug/l
RT: 4.37 min Scan# 456
Delta R.T. -0.00 min
Lab File: VW003884.D
Acq: 12 Jul 2018 00:26

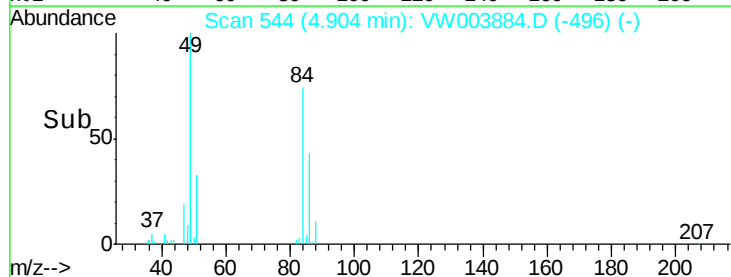
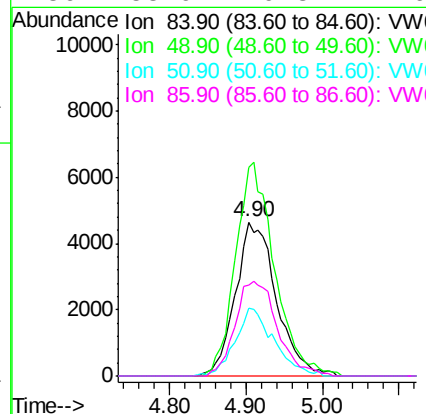
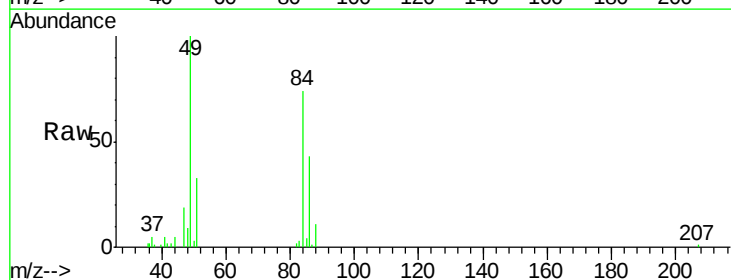
Instrument :
MSVOA_W
ClientSampled :

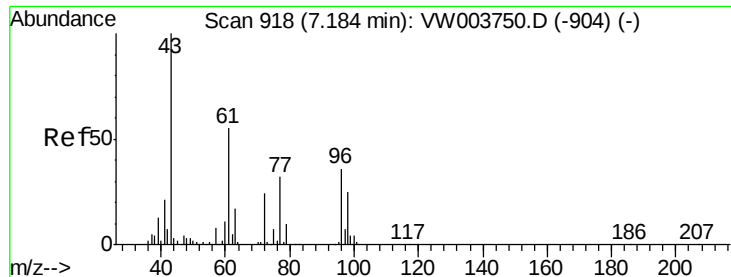
Tot Ion: 76 Resp: 7130
Ion Ratio Lower Upper
76 100
78 12.4 7.4 11.2#



#20
Methylene Chloride
Concen: 6.805 ug/l
RT: 4.90 min Scan# 544
Delta R.T. -0.01 min
Lab File: VW003884.D
Acq: 12 Jul 2018 00:26

Tgt Ion: 84 Resp: 17247
Ion Ratio Lower Upper
84 100
49 135.6 105.1 157.7
51 44.2 32.5 48.7
86 58.9 49.8 74.6





#25

2-Butanone

Concen: 26.816 ug/l

RT: 7.19 min Scan# 919

Delta R.T. 0.01 min

Lab File: VW003884.D

Acq: 12 Jul 2018 00:26

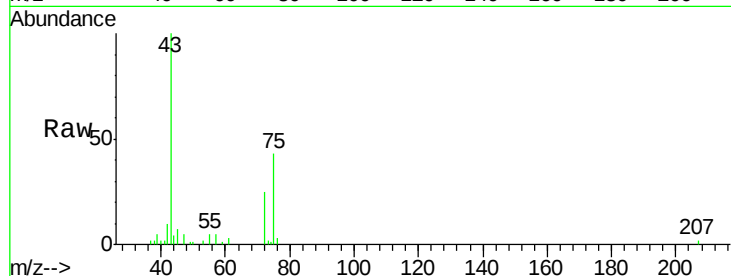
Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 43 Resp: 14032

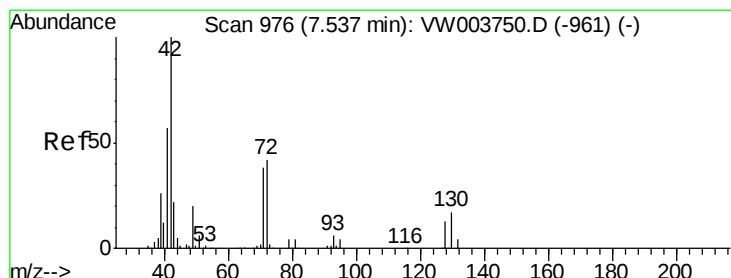
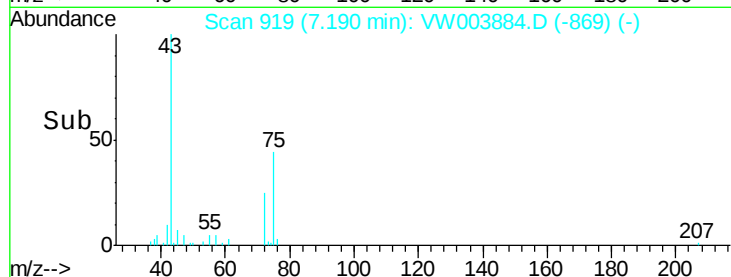
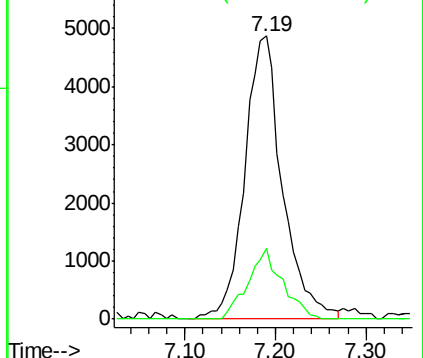
Ion Ratio Lower Upper

43 100

72 25.1 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: 1.504 ug/l

RT: 7.54 min Scan# 976

Delta R.T. -0.00 min

Lab File: VW003884.D

Acq: 12 Jul 2018 00:26

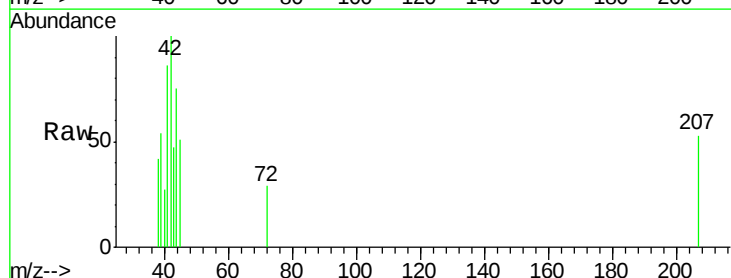
Tgt Ion: 42 Resp: 506

Ion Ratio Lower Upper

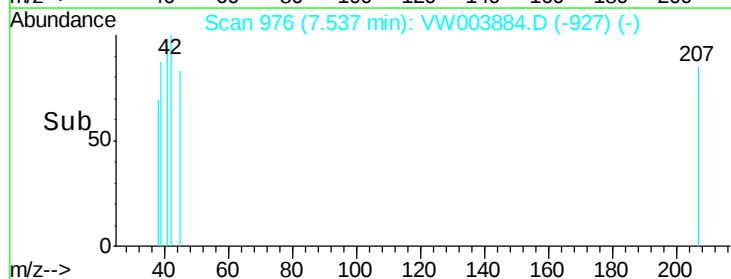
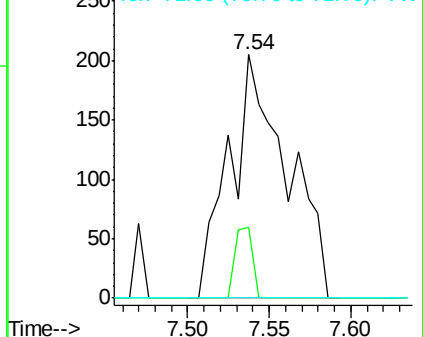
42 100

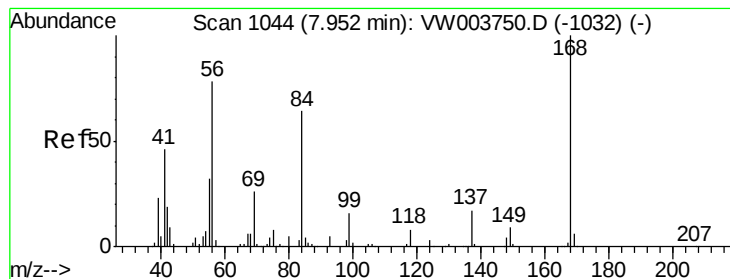
72 8.5 31.8 47.8#

71 0.0 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: 1.595 ug/l

RT: 7.95 min Scan# 1043

Delta R.T. -0.01 min

Lab File: VW003884.D

Acq: 12 Jul 2018 00:26

Instrument :
MSVOA_W
ClientSampleId :

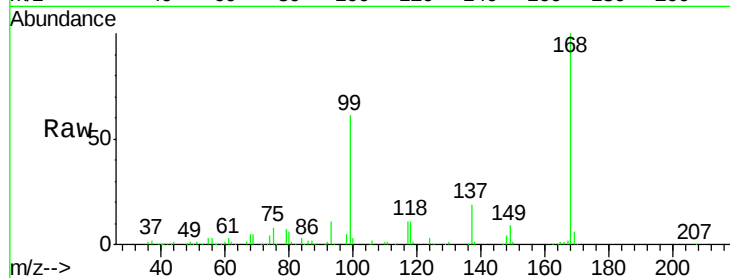
Tot Ion: 56 Resp: 4483

Ion Ratio Lower Upper

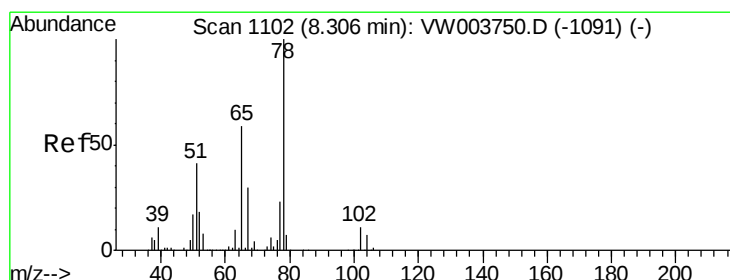
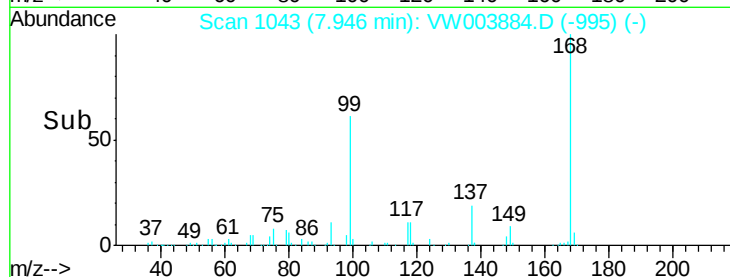
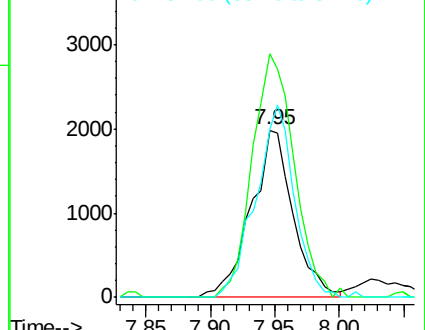
56 100

69 145.9 26.2 39.4#

84 100.7 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: 51.679 ug/l

RT: 8.31 min Scan# 1103

Delta R.T. 0.01 min

Lab File: VW003884.D

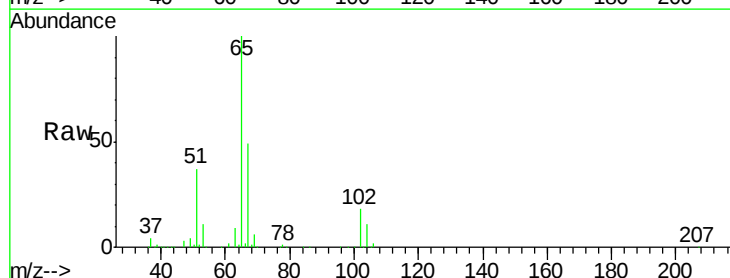
Acq: 12 Jul 2018 00:26

Tgt Ion: 65 Resp: 99514

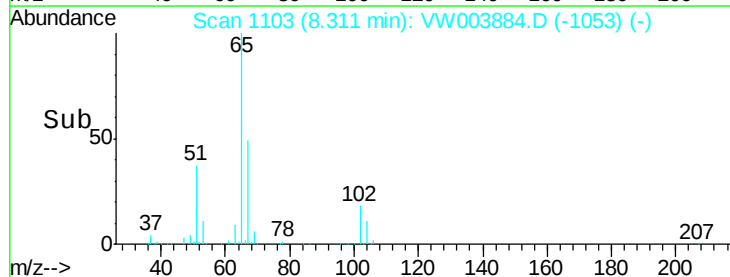
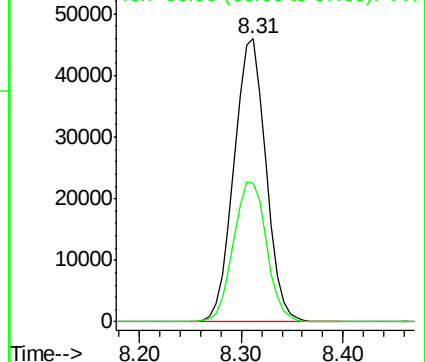
Ion Ratio Lower Upper

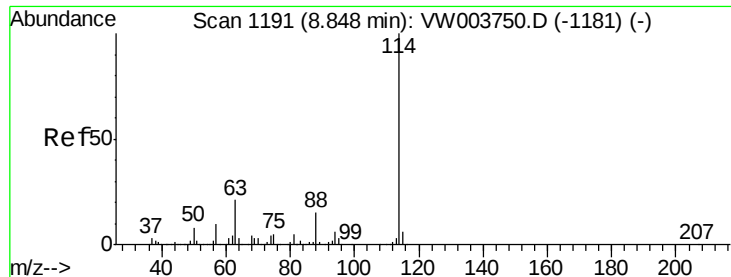
65 100

67 51.3 0.0 103.8



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

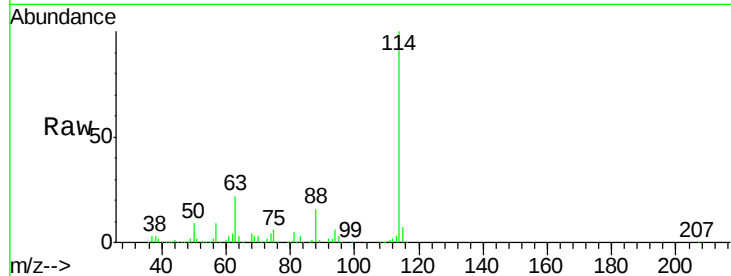




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1191
 Delta R.T. -0.00 min
 Lab File: VW003884.D
 Acq: 12 Jul 2018 00:26

Instrument :
 MSVOA_W
 ClientSampleId :

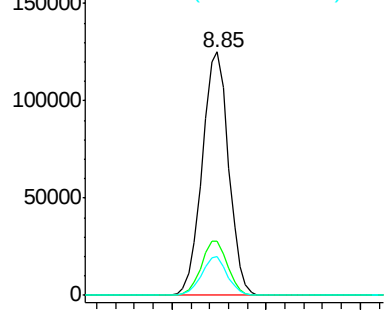
Tot Ion	Ratio	Lower	Upper
114	100		
63	22.3	0.0	41.8
88	15.9	0.0	30.2



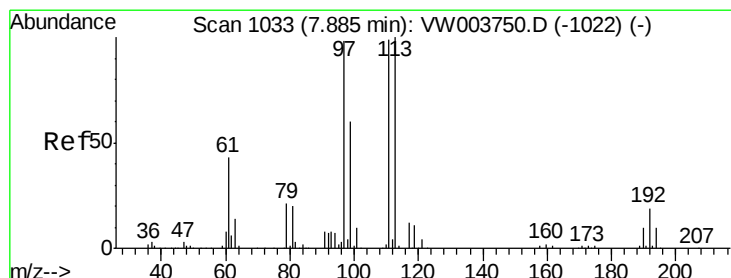
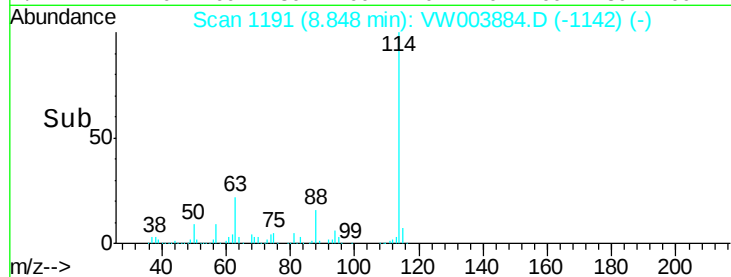
Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW

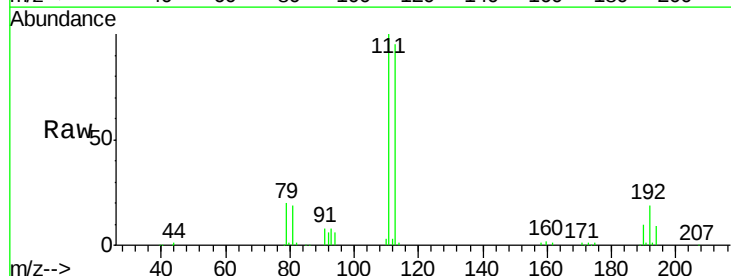


Time-->



#35
 Dibromofluoromethane
 Concen: 50.480 ug/l
 RT: 7.88 min Scan# 1033
 Delta R.T. -0.00 min
 Lab File: VW003884.D
 Acq: 12 Jul 2018 00:26

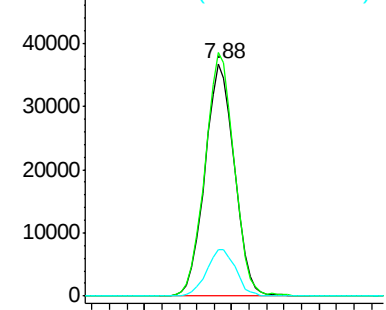
Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.6	81.7	122.5
192	19.8	15.8	23.8



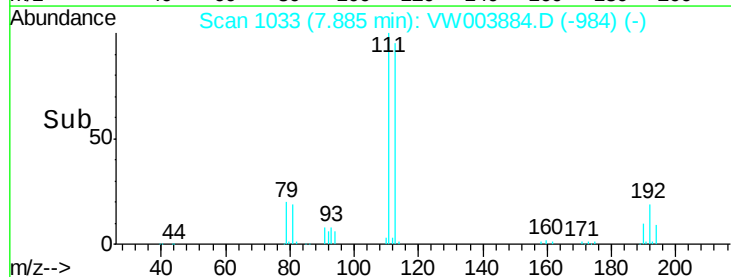
Abundance Ion 112.80 (112.50 to 113.50): V

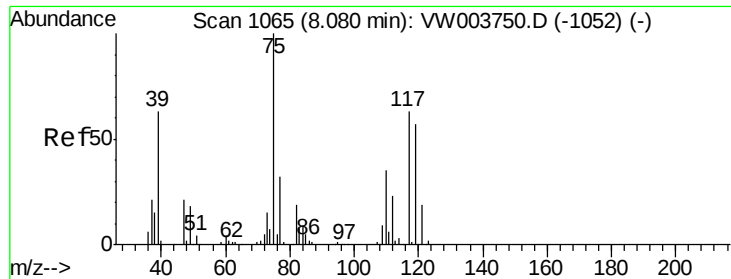
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



Time-->





#36

1,1-Dichloropropene

Concen: 4.880 ug/l

RT: 7.95 min Scan# 1044

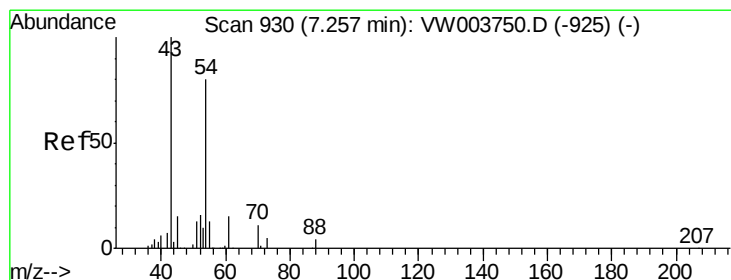
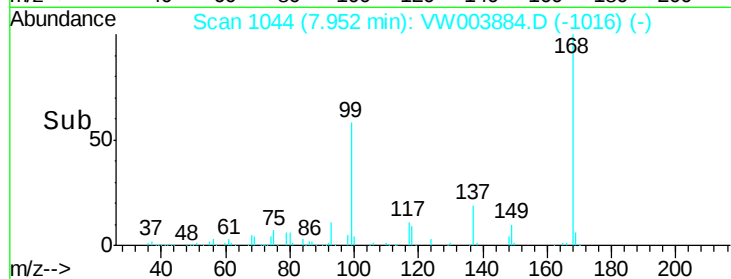
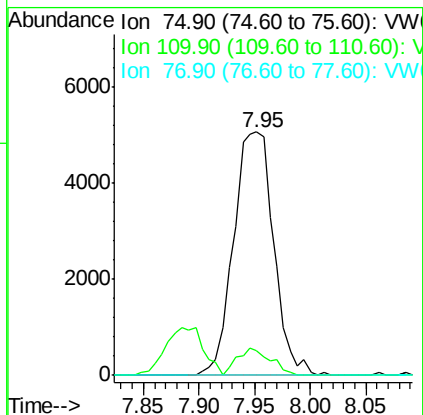
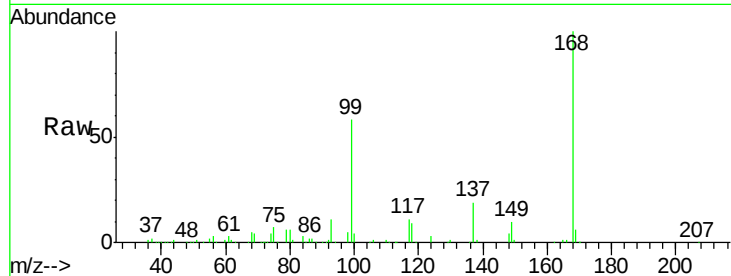
Delta R.T. -0.13 min

Lab File: VW003884.D

Acq: 12 Jul 2018 00:26

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:	75	Resp:	12618
Ion	Ratio	Lower	Upper
75	100		
110	9.3	16.9	50.6#
77	0.0	24.8	37.2#



#37

Ethyl Acetate

Concen: 11.154 ug/l

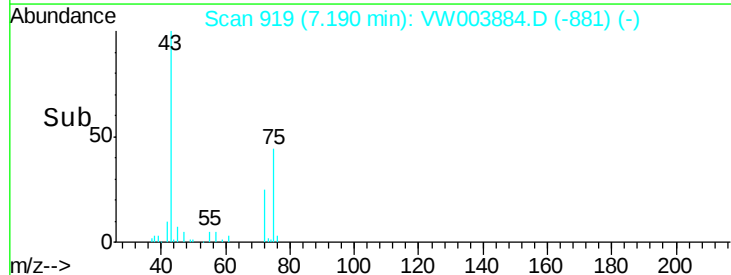
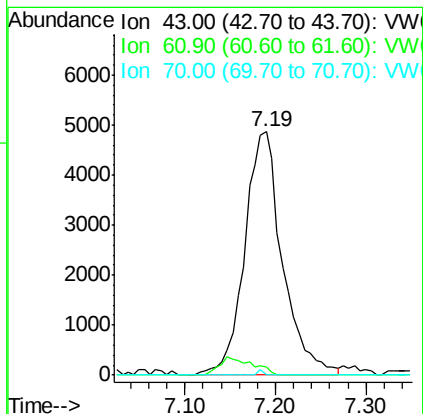
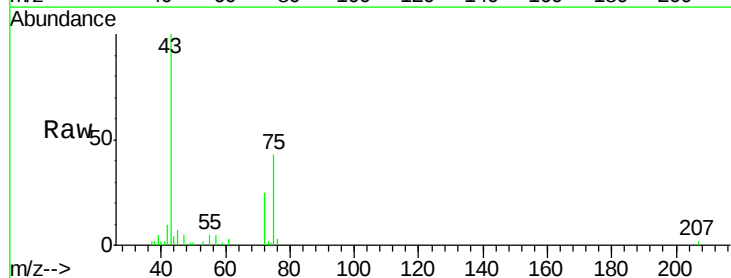
RT: 7.19 min Scan# 919

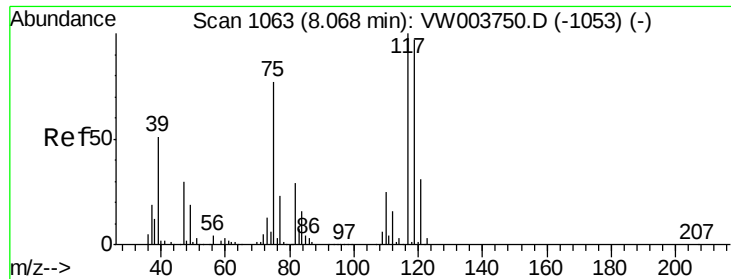
Delta R.T. -0.07 min

Lab File: VW003884.D

Acq: 12 Jul 2018 00:26

Tgt Ion:	43	Resp:	14032
Ion	Ratio	Lower	Upper
43	100		
61	0.0	10.6	15.8#
70	0.3	7.5	11.3#

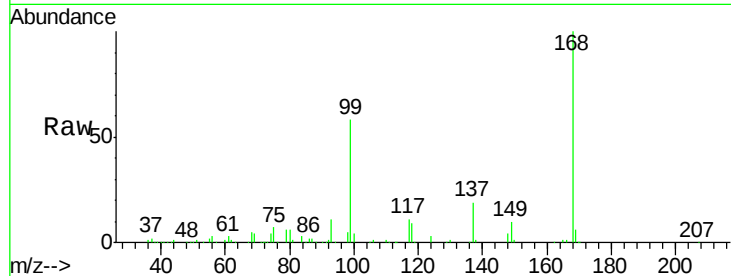




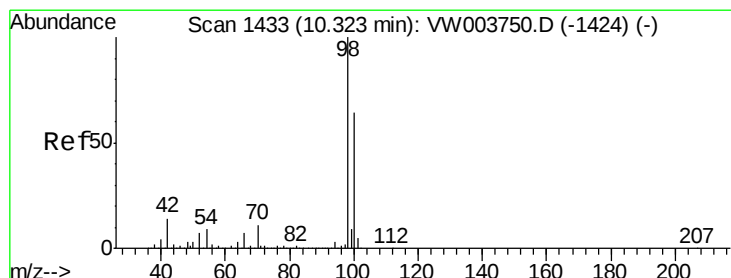
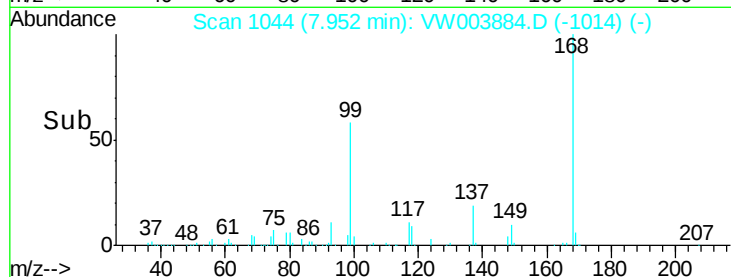
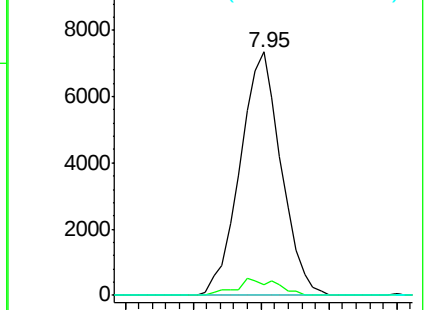
#38
Carbon Tetrachloride
Concen: 6.296 ug/l
RT: 7.95 min Scan# 1044
Delta R.T. -0.12 min
Lab File: VW003884.D
Acq: 12 Jul 2018 00:26

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:117 Resp: 15477
Ion Ratio Lower Upper
117 100
119 4.6 77.4 116.2#
121 0.0 24.6 37.0#

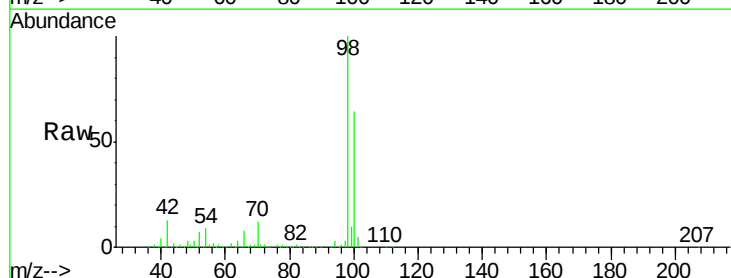


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

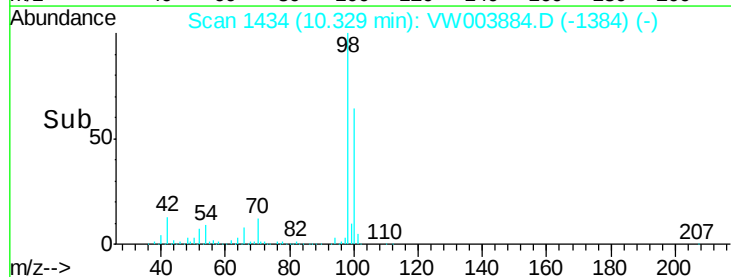
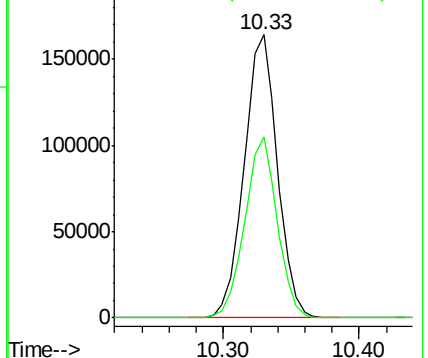


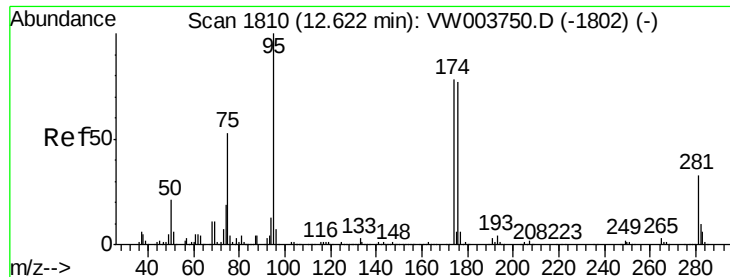
#50
Toluene-d8
Concen: 42.911 ug/l
RT: 10.33 min Scan# 1434
Delta R.T. 0.01 min
Lab File: VW003884.D
Acq: 12 Jul 2018 00:26

Tgt Ion: 98 Resp: 279926
Ion Ratio Lower Upper
98 100
100 62.5 50.8 76.2



Abundance Ion 98.00 (97.70 to 98.70): VW
Ion 100.00 (99.70 to 100.70): VW

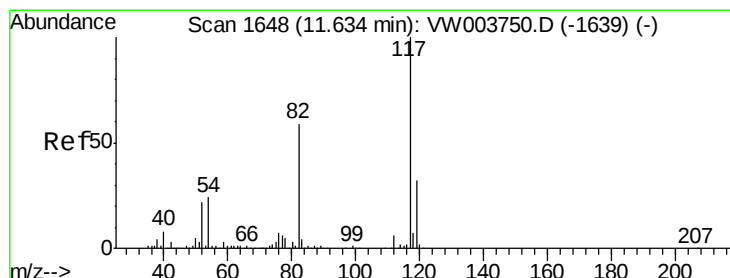
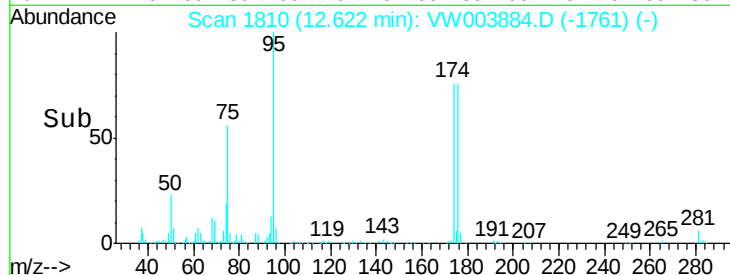
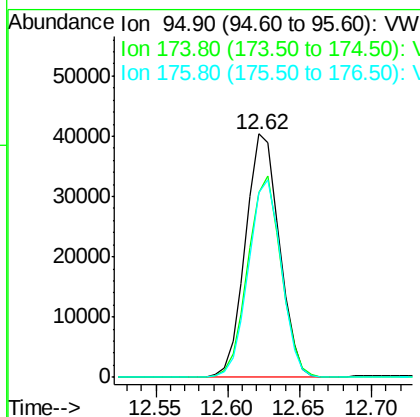
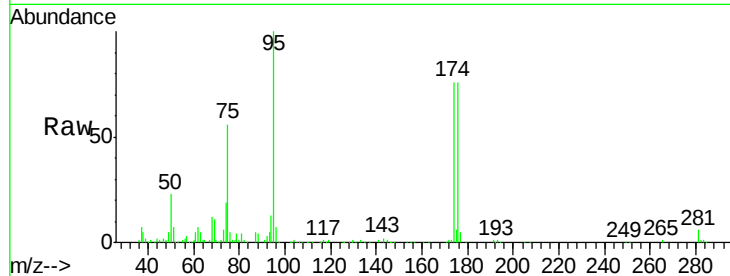




#62
4-Bromofluorobenzene
Concen: 27.708 ug/l
RT: 12.62 min Scan# 1810
Delta R.T. -0.00 min
Lab File: VW003884.D
Acq: 12 Jul 2018 00:26

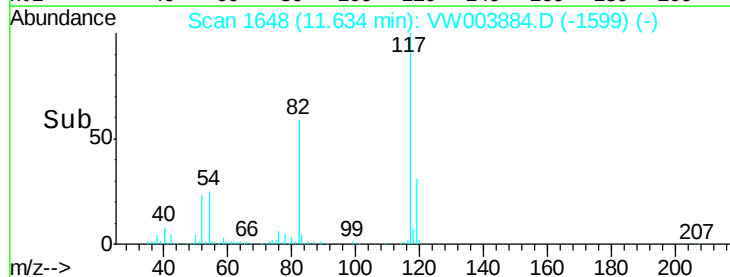
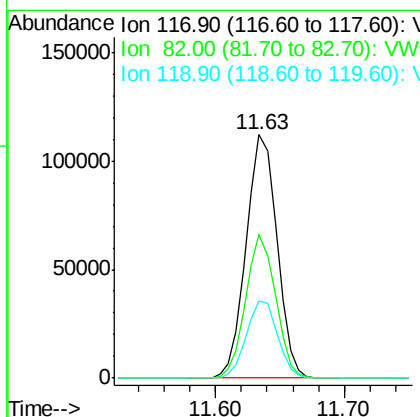
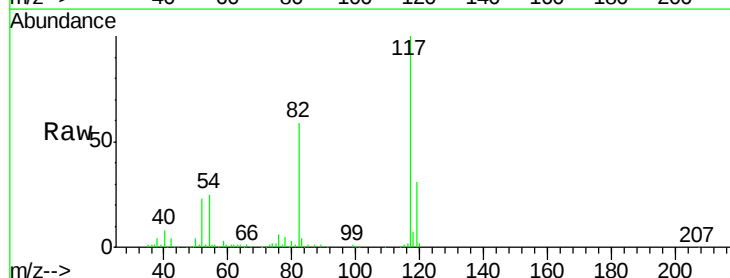
Instrument :
MSVOA_W
ClientSampled :

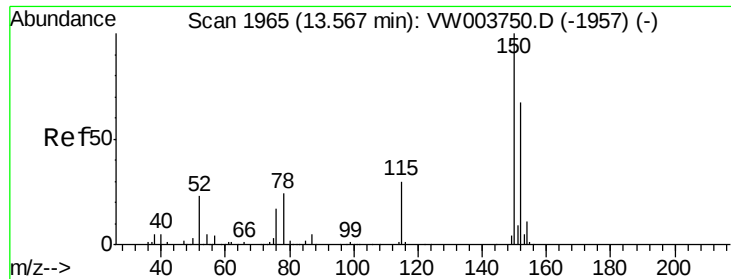
Tot Ion: 95 Resp: 65400
Ion Ratio Lower Upper
95 100
174 81.3 0.0 163.4
176 78.8 0.0 156.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. -0.00 min
Lab File: VW003884.D
Acq: 12 Jul 2018 00:26

Tgt Ion: 117 Resp: 185185
Ion Ratio Lower Upper
117 100
82 59.2 46.9 70.3
119 31.5 25.5 38.3



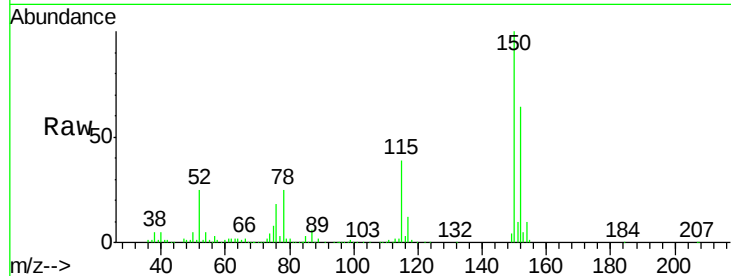


#72

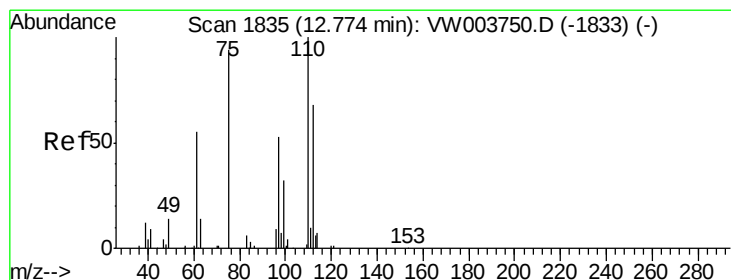
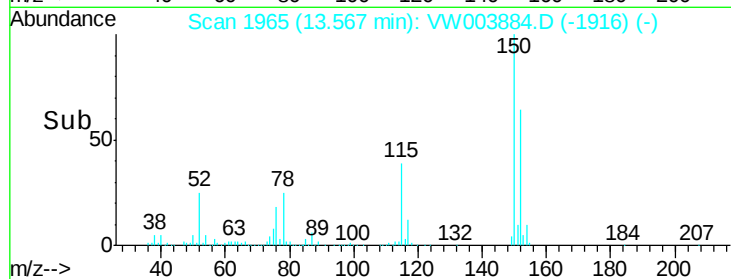
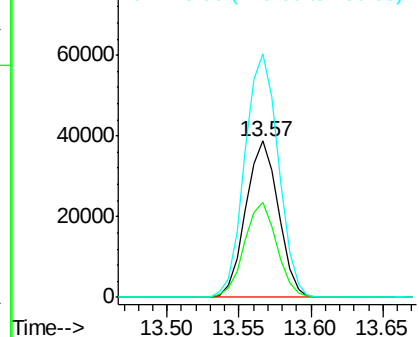
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1965
Delta R.T. -0.00 min
Lab File: VW003884.D
Acq: 12 Jul 2018 00:26

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:152 Resp: 60837
Ion Ratio Lower Upper
152 100
115 60.1 28.9 86.8
150 159.9 0.0 342.4



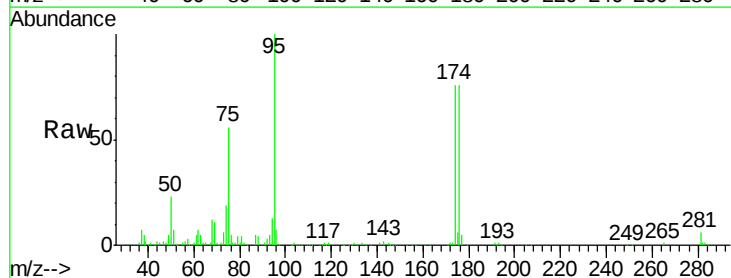
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



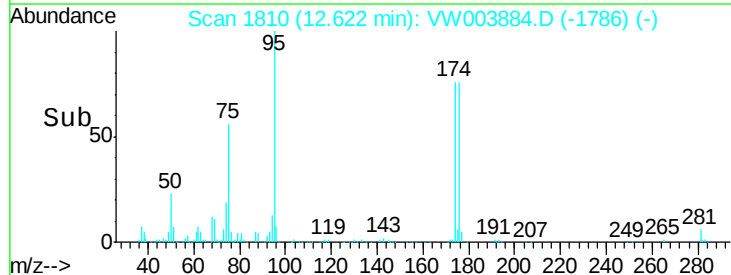
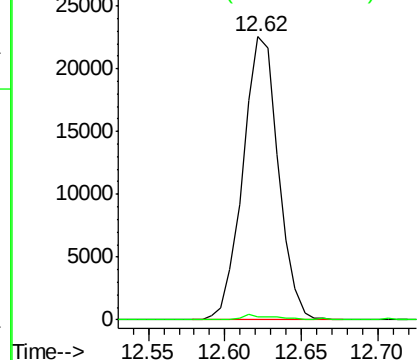
#76

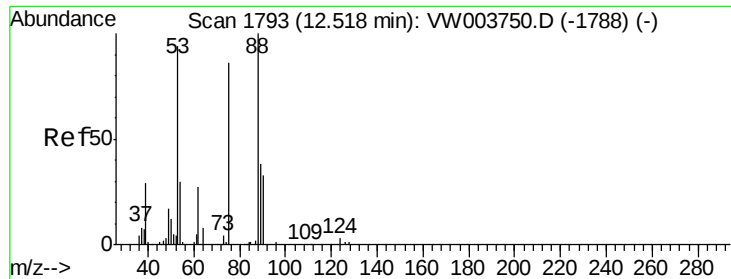
1,2,3-Trichloropropane
Concen: 60.682 ug/l
RT: 12.62 min Scan# 1810
Delta R.T. -0.15 min
Lab File: VW003884.D
Acq: 12 Jul 2018 00:26

Tgt Ion: 75 Resp: 36252
Ion Ratio Lower Upper
75 100
77 1.7 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: 148.443 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. 0.10 min

Lab File: VW003884.D

Acq: 12 Jul 2018 00:26

Instrument :

MSVOA_W

ClientSampleId :

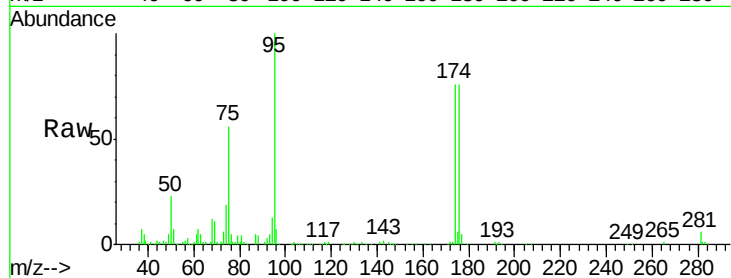
Tot Ion: 75 Resp: 36252

Ion Ratio Lower Upper

75 100

53 0.0 85.0 127.6#

89 0.1 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

