

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW072318\
 Data File : VW004145.D
 Acq On : 23 Jul 2018 18:39
 Operator : SY/AP
 Sample : J4026-03
 Misc : 5.02G/5ML/MSVOA W/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jul 24 04:45:48 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	163154	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	288783	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	233183	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	96808	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	43247	23.71	ug/l	0.00
Spiked Amount						
				Recovery	=	47.42%
35) Dibromofluoromethane	7.88	113	38305	20.67	ug/l	0.00
Spiked Amount						
				Recovery	=	41.34%
50) Toluene-d8	10.33	98	99679	13.86	ug/l	0.00
Spiked Amount						
				Recovery	=	27.72%
62) 4-Bromofluorobenzene	12.62	95	29746	11.47	ug/l	0.00
Spiked Amount						
				Recovery	=	22.94%

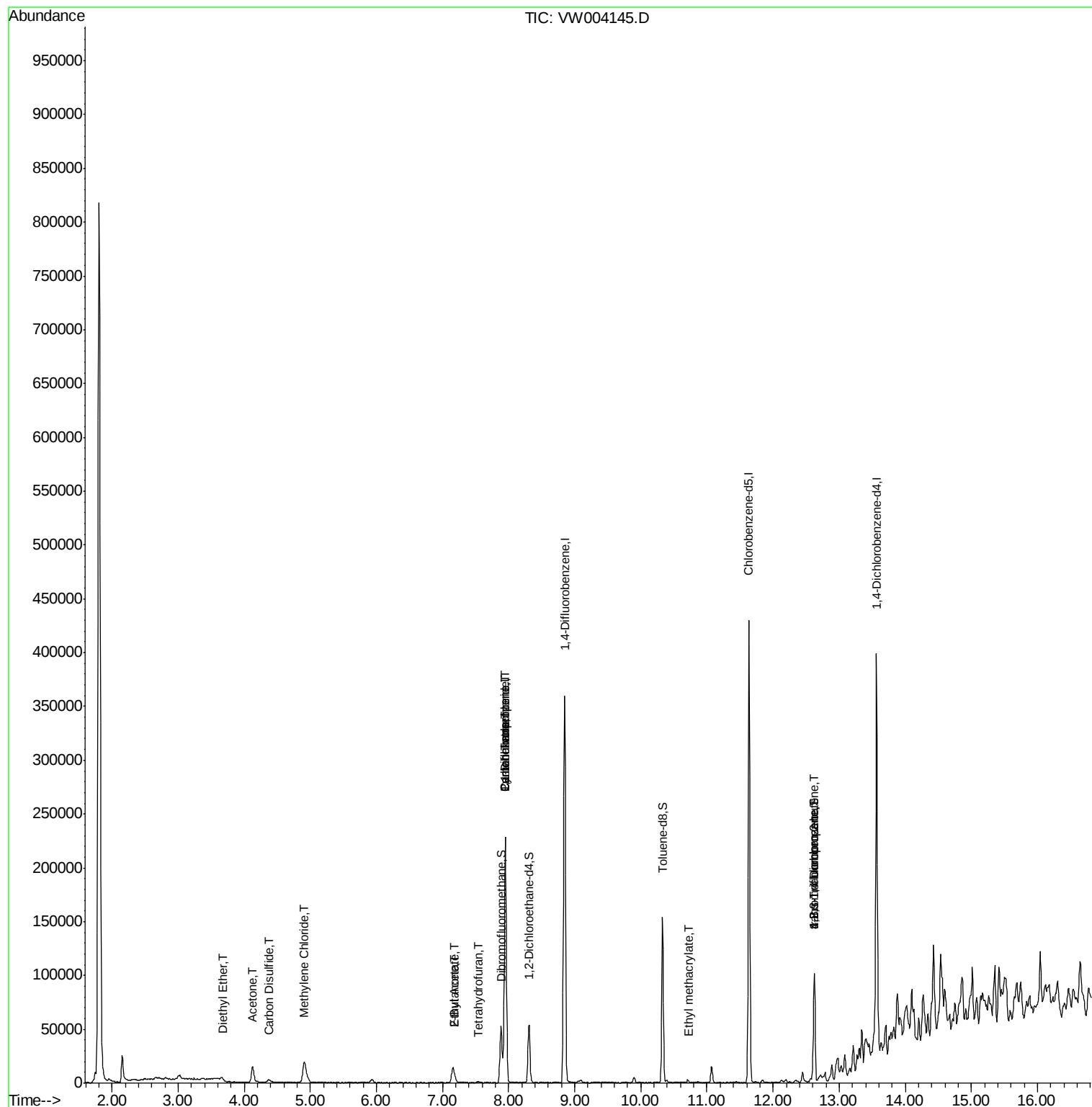
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.68	74	880	1.089	ug/l #	46
16) Acetone	4.13	43	25368	57.886	ug/l	99
17) Carbon Disulfide	4.37	76	5973	1.207	ug/l #	85
20) Methylene Chloride	4.92	84	17414	1.353	ug/l	98
25) 2-Butanone	7.18	43	7186	12.185	ug/l #	83
29) Tetrahydrofuran	7.54	42	460	1.252	ug/l	96
31) Cyclohexane	7.95	56	4502	1.488	ug/l #	34
36) 1,1-Dichloropropene	7.95	75	14259	4.799	ug/l #	49
37) Ethyl Acetate	7.18	43	7186	5.014	ug/l #	70
38) Carbon Tetrachloride	7.95	117	16849	6.069	ug/l #	19
56) Ethyl methacrylate	10.73	69	26	2.957	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	15802	16.442	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	15802	36.369	ug/l #	12

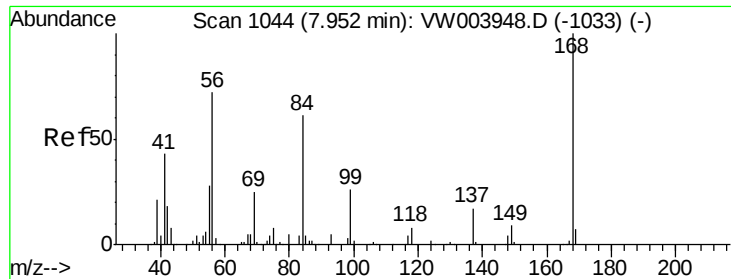
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW072318\
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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: VW004145.D

Acq: 23 Jul 2018 18:39

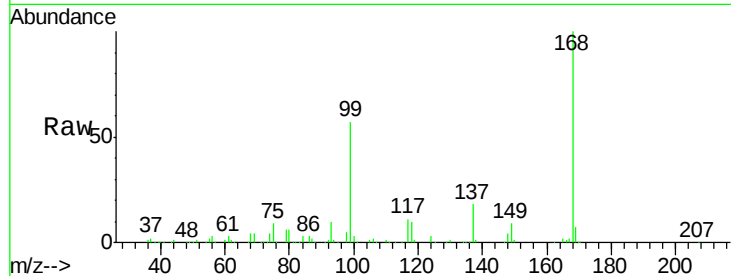
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:168 Resp: 163154

Ion Ratio Lower Upper

168 100

99 57.2 43.8 65.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

80000

60000

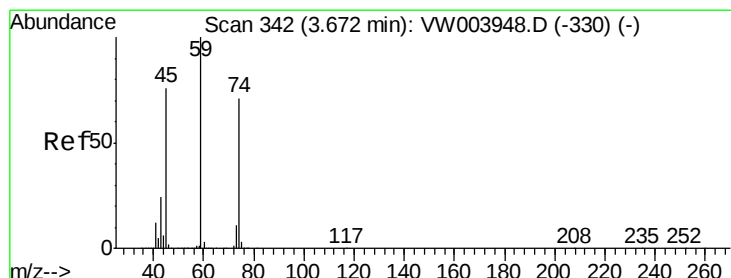
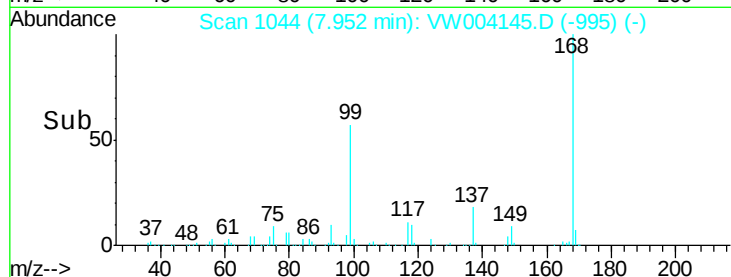
40000

20000

0

7.85 7.90 7.95 8.00 8.05

Time-->



#8

Diethyl Ether

Concen: 1.089 ug/l

RT: 3.68 min Scan# 343

Delta R.T. 0.01 min

Lab File: VW004145.D

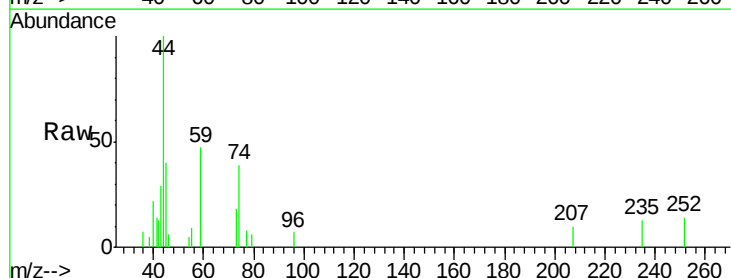
Acq: 23 Jul 2018 18:39

Tgt Ion: 74 Resp: 880

Ion Ratio Lower Upper

74 100

45 164.0 53.8 161.4#



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

3.68

500

400

300

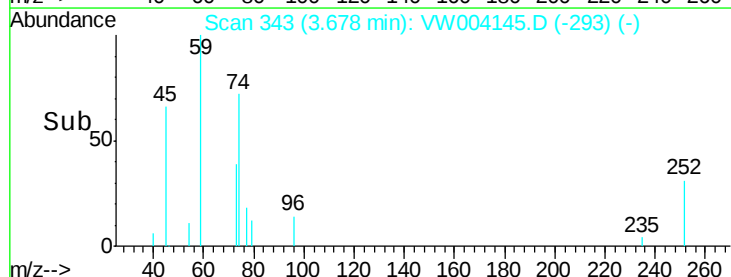
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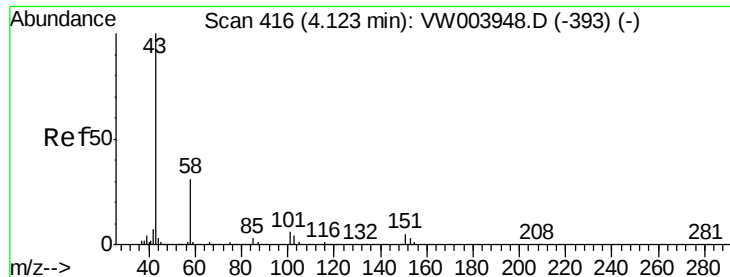
100

0

3.60 3.65 3.70

Time-->





#16

Acetone

Concen: 57.886 ug/l

RT: 4.13 min Scan# 417

Delta R.T. 0.01 min

Lab File: VW004145.D

Acq: 23 Jul 2018 18:39

Instrument :

MSVOA_W

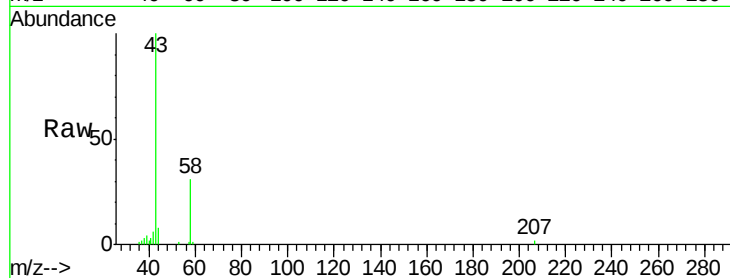
ClientSampleId :

Tot Ion: 43 Resp: 25368

Ion Ratio Lower Upper

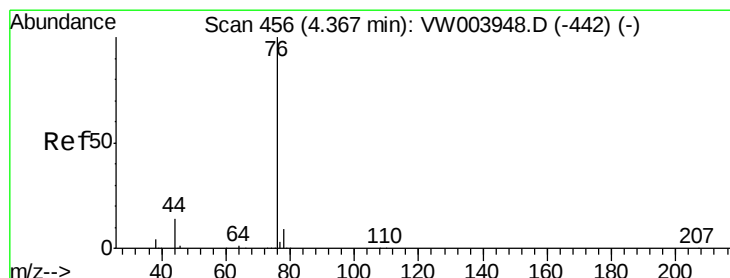
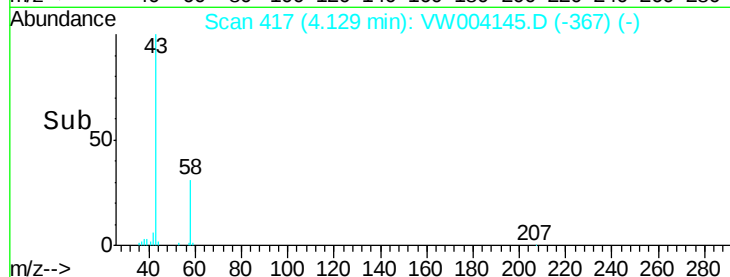
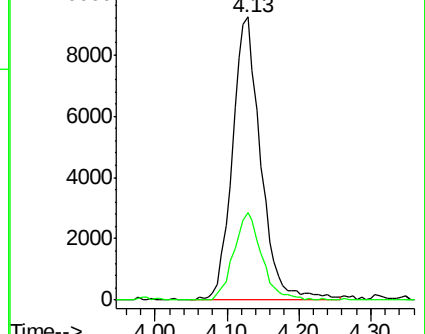
43 100

58 31.0 24.5 36.7



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#17

Carbon Disulfide

Concen: 1.207 ug/l

RT: 4.37 min Scan# 457

Delta R.T. 0.01 min

Lab File: VW004145.D

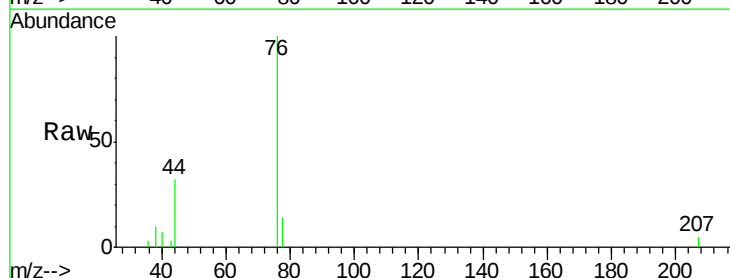
Acq: 23 Jul 2018 18:39

Tgt Ion: 76 Resp: 5973

Ion Ratio Lower Upper

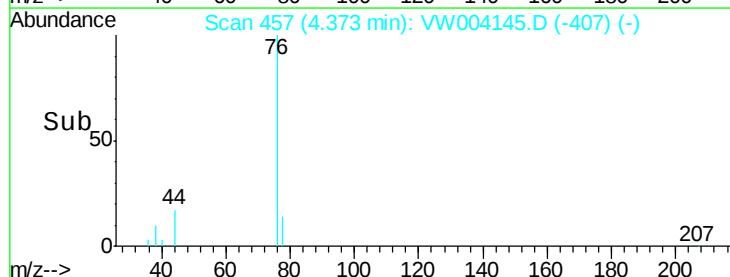
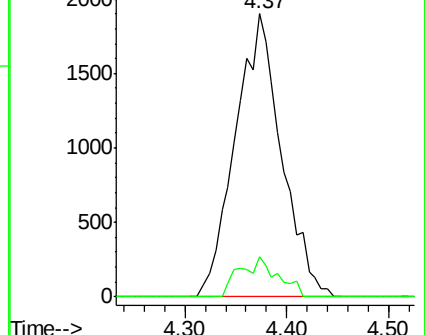
76 100

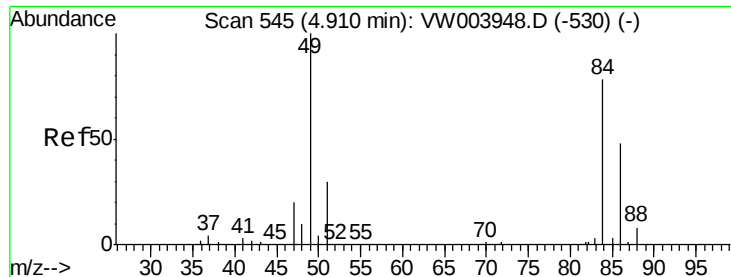
78 14.4 7.1 10.7#



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW

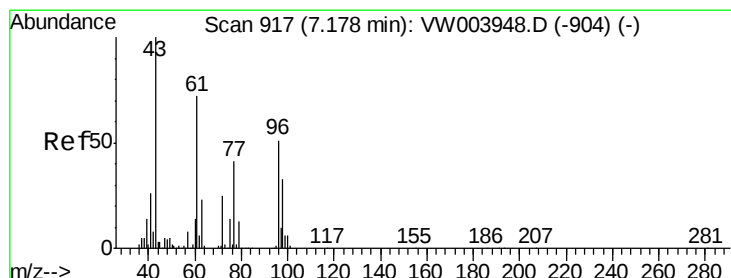
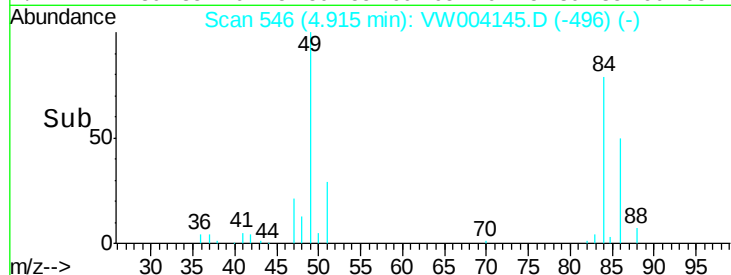
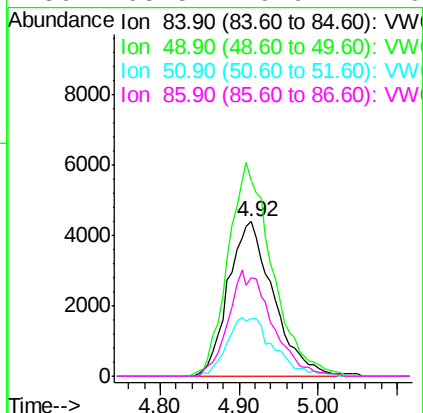
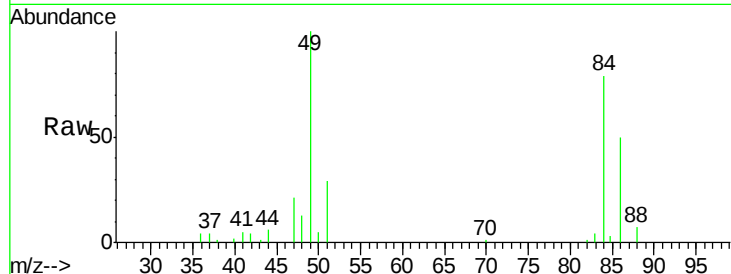




#20
Methvlene Chloride
Concen: 1.353 ug/l
RT: 4.92 min Scan# 546
Delta R.T. 0.01 min
Lab File: VW004145.D
Acq: 23 Jul 2018 18:39

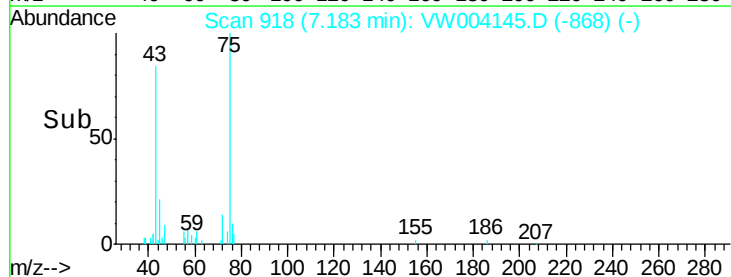
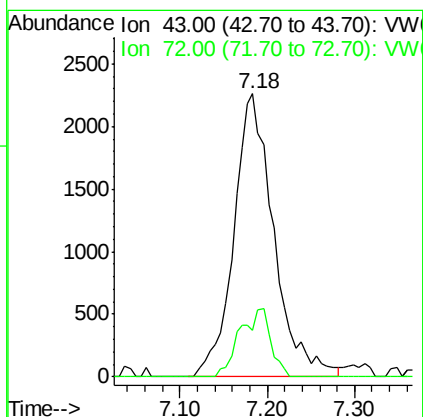
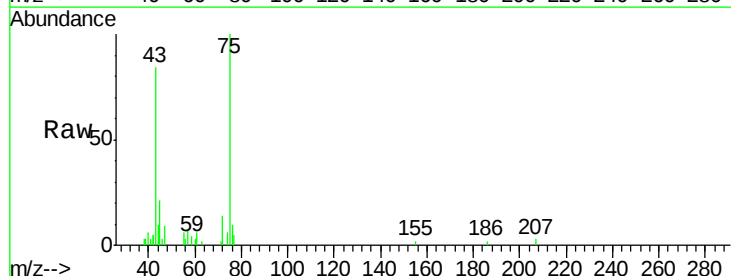
Instrument :
MSVOA_W
ClientSampleId :

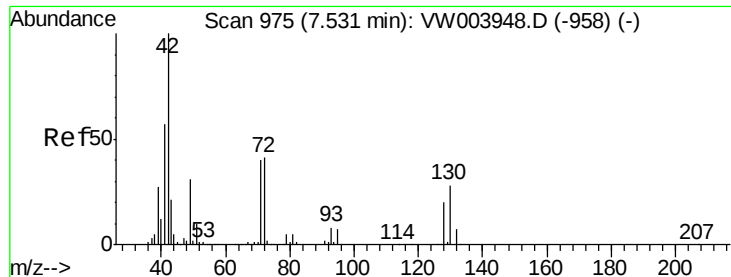
Tot Ion: 84 Resp: 17414
Ion Ratio Lower Upper
84 100
49 126.6 102.9 154.3
51 37.2 30.9 46.3
86 63.5 49.9 74.9



#25
2-Butanone
Concen: 12.185 ug/l
RT: 7.18 min Scan# 918
Delta R.T. 0.01 min
Lab File: VW004145.D
Acq: 23 Jul 2018 18:39

Tgt Ion: 43 Resp: 7186
Ion Ratio Lower Upper
43 100
72 16.5 19.8 29.6#

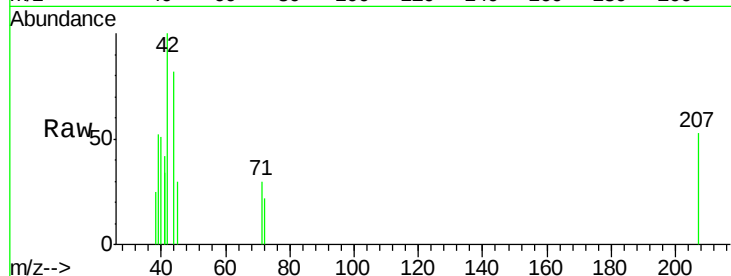




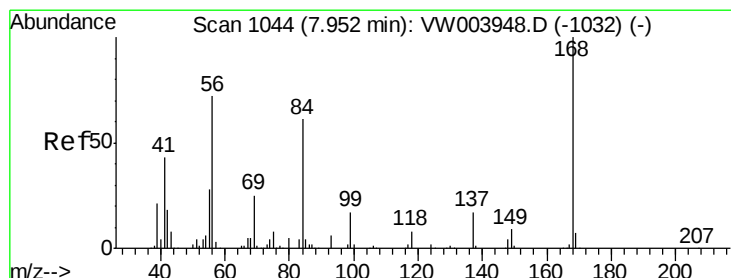
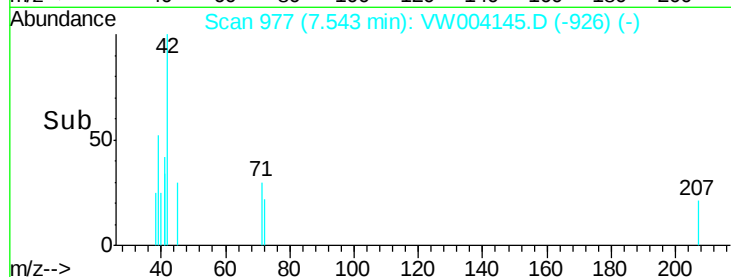
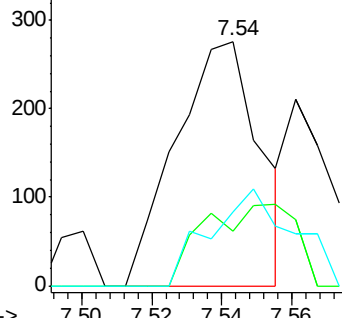
#29
Tetrahydrofuran
Concen: 1.252 ug/l
RT: 7.54 min Scan# 977
Delta R.T. 0.01 min
Lab File: VW004145.D
Acq: 23 Jul 2018 18:39

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 42 Resp: 460
Ion Ratio Lower Upper
42 100
72 36.5 32.6 48.8
71 39.1 30.5 45.7

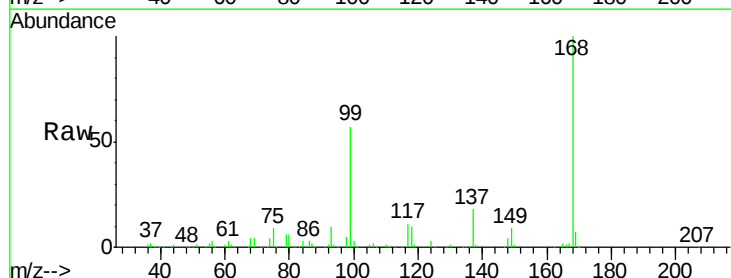


Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW

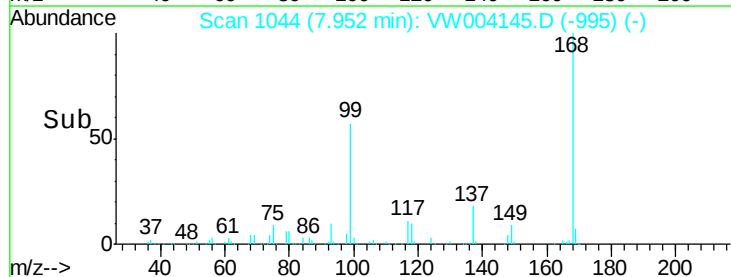
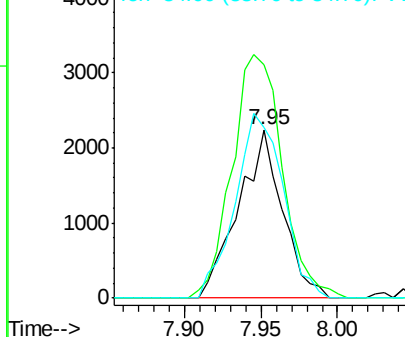


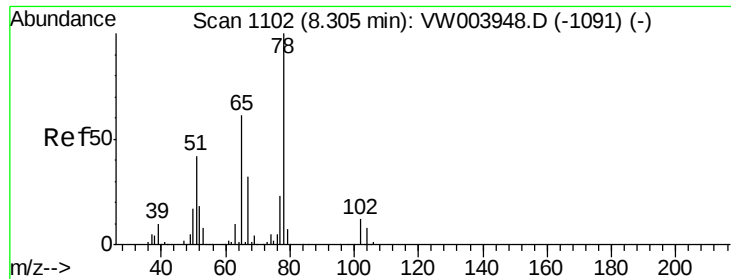
#31
Cyclohexane
Concen: 1.488 ug/l
RT: 7.95 min Scan# 1044
Delta R.T. -0.00 min
Lab File: VW004145.D
Acq: 23 Jul 2018 18:39

Tgt Ion: 56 Resp: 4502
Ion Ratio Lower Upper
56 100
69 138.5 27.8 41.8#
84 101.5 67.2 100.8#



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

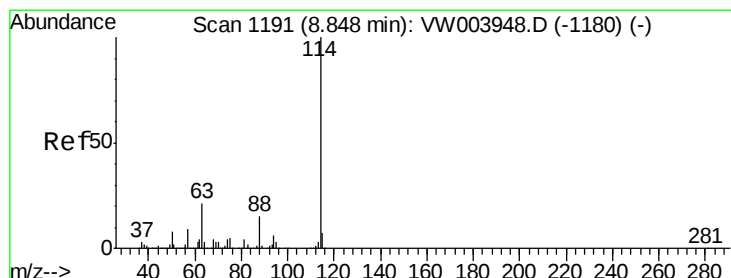
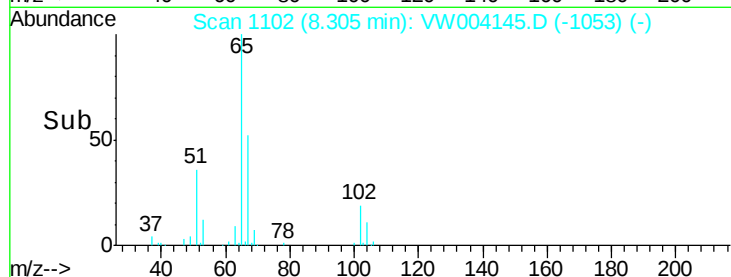
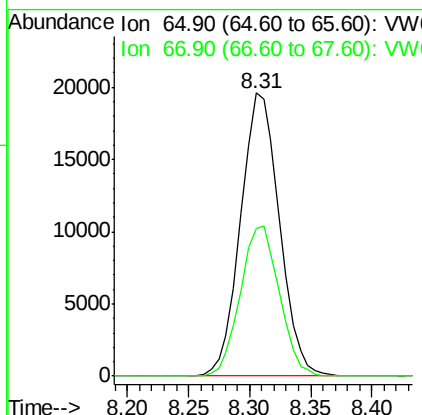
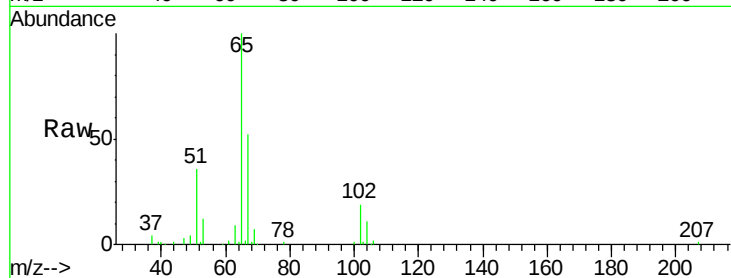




#33
 1,2-Dichloroethane-d4
 Concen: 23.713 ug/l
 RT: 8.31 min Scan# 1102
 Delta R.T. -0.00 min
 Lab File: VW004145.D
 Acq: 23 Jul 2018 18:39

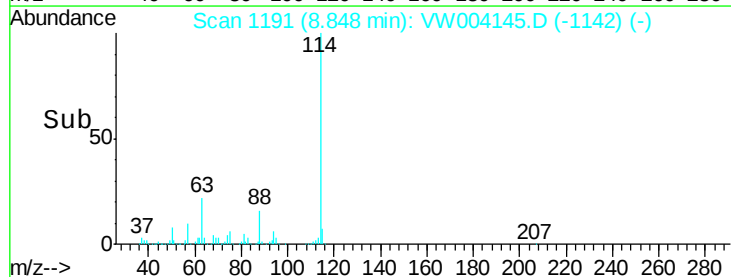
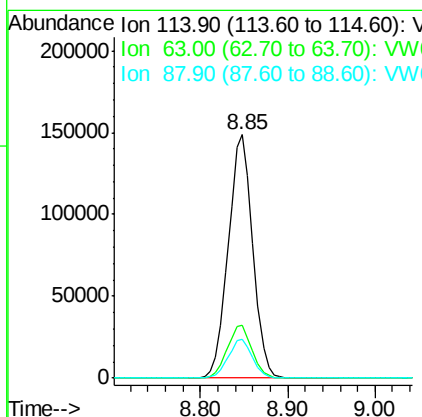
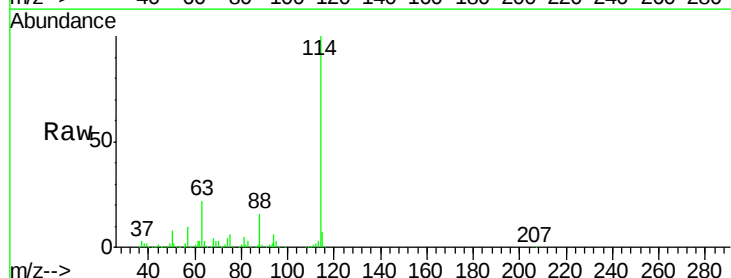
Instrument :
 MSVOA_W
 ClientSampled :

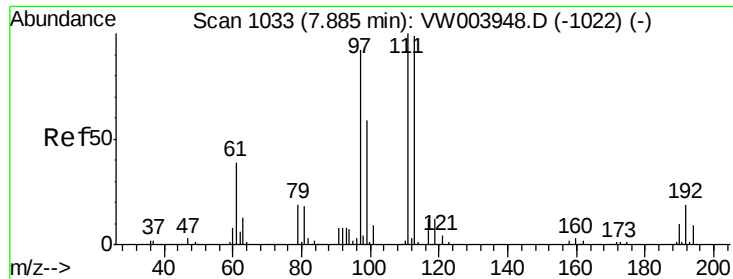
Tot Ion: 65 Resp: 43247
 Ion Ratio Lower Upper
 65 100
 67 53.4 0.0 105.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1191
 Delta R.T. -0.00 min
 Lab File: VW004145.D
 Acq: 23 Jul 2018 18:39

Tgt Ion: 114 Resp: 288783
 Ion Ratio Lower Upper
 114 100
 63 21.6 0.0 42.8
 88 16.0 0.0 30.4

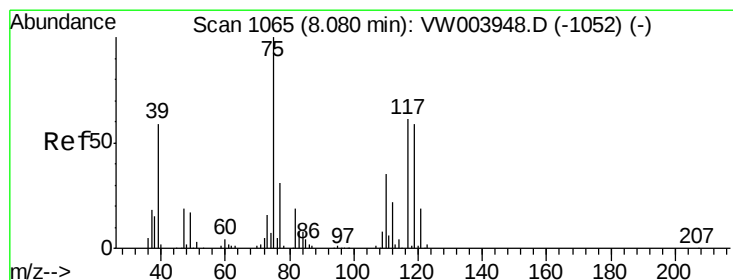
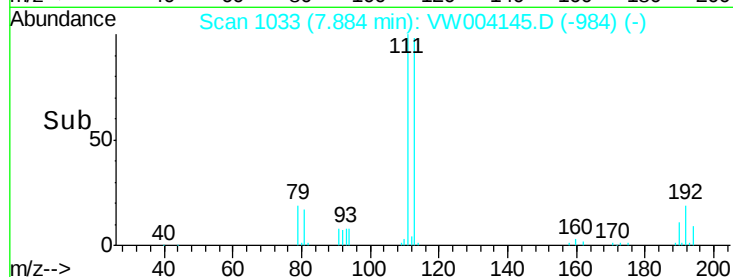
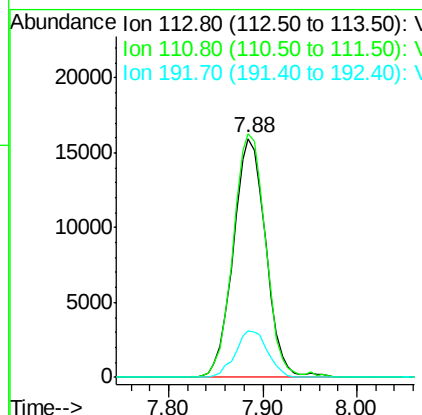
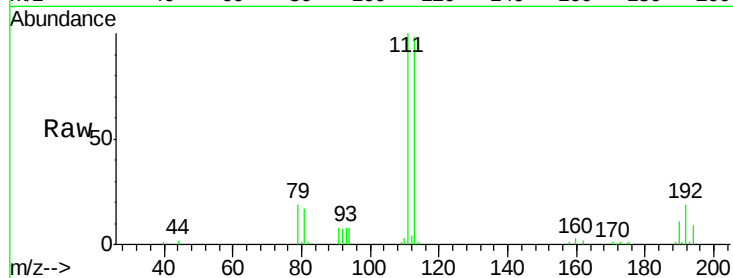




#35
 Dibromofluoromethane
 Concen: 20.673 ug/l
 RT: 7.88 min Scan# 1033
 Delta R.T. -0.00 min
 Lab File: VW004145.D
 Acq: 23 Jul 2018 18:39

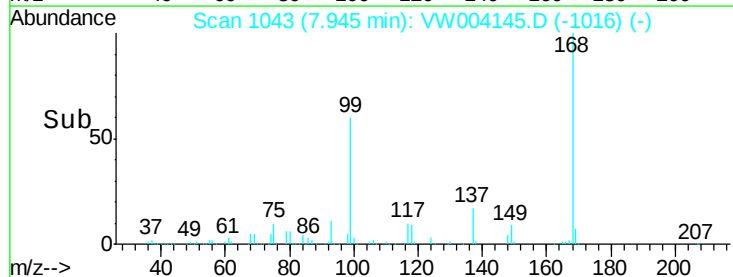
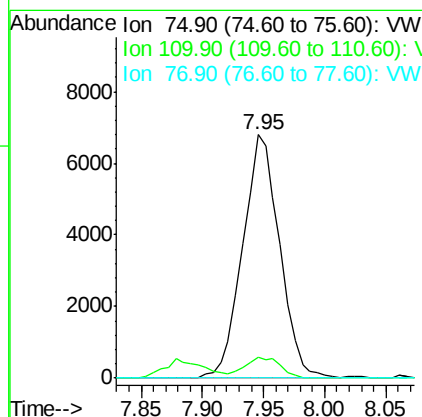
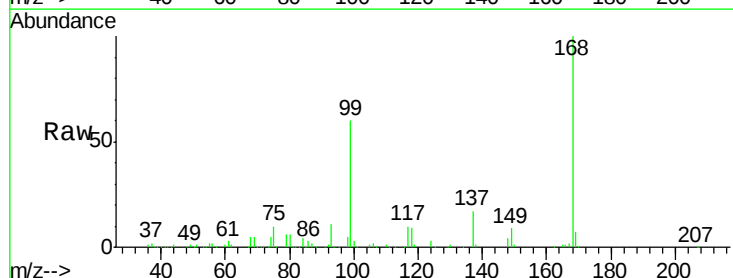
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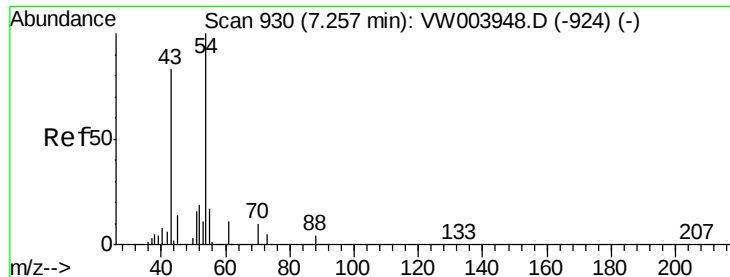
Tot Ion:113 Resp: 38305
 Ion Ratio Lower Upper
 113 100
 111 101.4 81.3 121.9
 192 19.3 15.8 23.6



#36
 1,1-Dichloropropene
 Concen: 4.799 ug/l
 RT: 7.95 min Scan# 1043
 Delta R.T. -0.13 min
 Lab File: VW004145.D
 Acq: 23 Jul 2018 18:39

Tgt Ion: 75 Resp: 14259
 Ion Ratio Lower Upper
 75 100
 110 8.1 17.0 51.0#
 77 0.0 24.9 37.3#





#37

Ethyl Acetate

Concen: 5.014 ug/l

RT: 7.18 min Scan# 918

Delta R.T. -0.07 min

Lab File: VW004145.D

Acq: 23 Jul 2018 18:39

Instrument :
MSVOA_W
ClientSampleId :

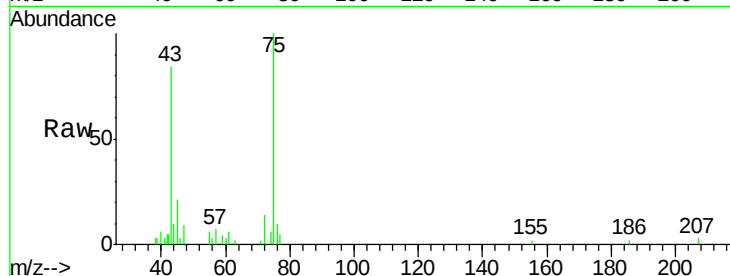
Tot Ion: 43 Resp: 7186

Ion Ratio Lower Upper

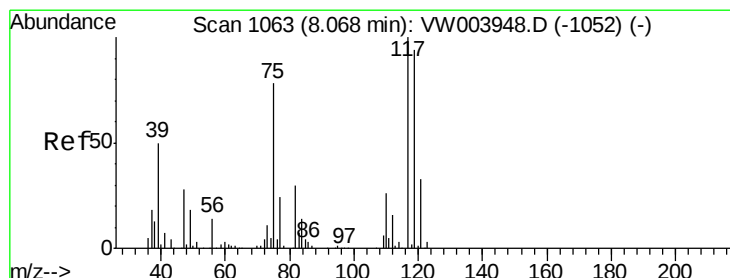
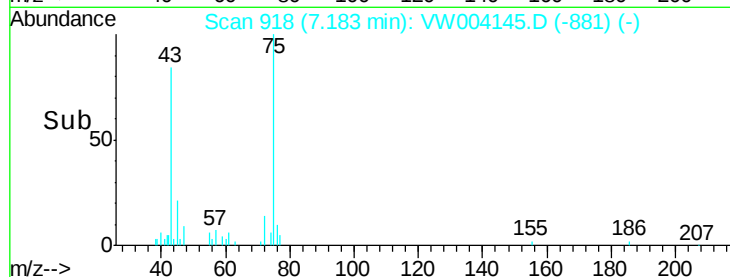
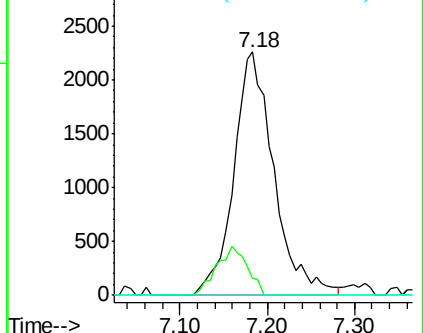
43 100

61 0.0 10.7 16.1#

70 0.0 7.7 11.5#



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 70.00 (69.70 to 70.70): VW



#38

Carbon Tetrachloride

Concen: 6.069 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.12 min

Lab File: VW004145.D

Acq: 23 Jul 2018 18:39

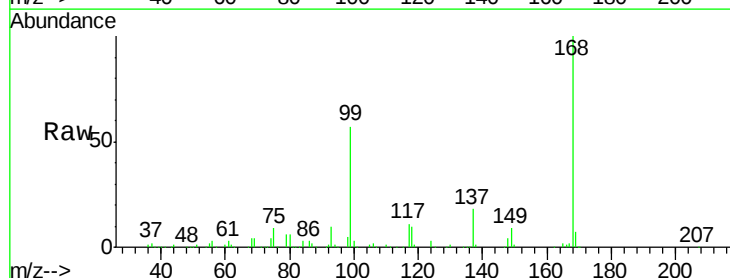
Tgt Ion: 117 Resp: 16849

Ion Ratio Lower Upper

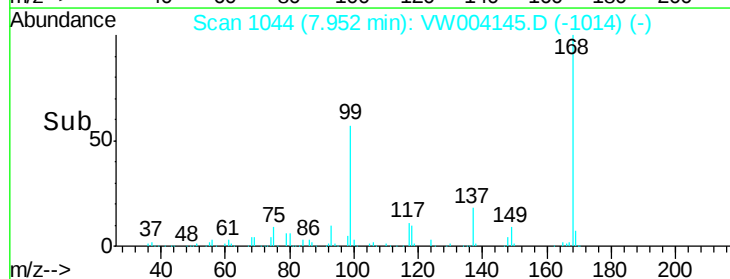
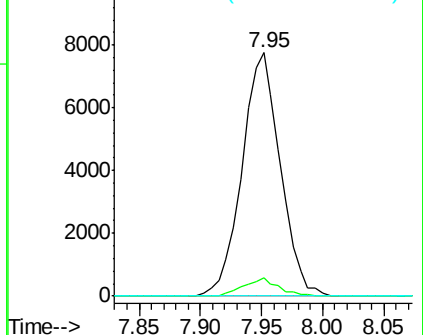
117 100

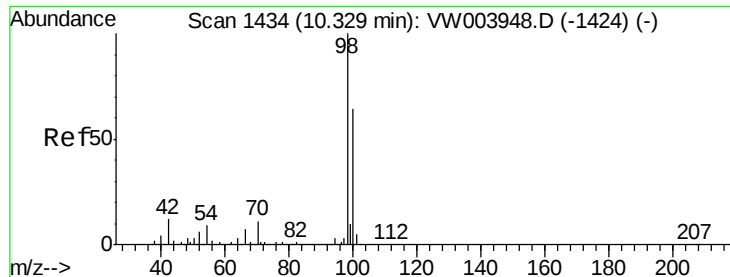
119 7.7 75.3 112.9#

121 0.0 26.0 39.0#



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: 13.864 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. -0.00 min

Lab File: VW004145.D

Acq: 23 Jul 2018 18:39

Instrument :

MSVOA_W

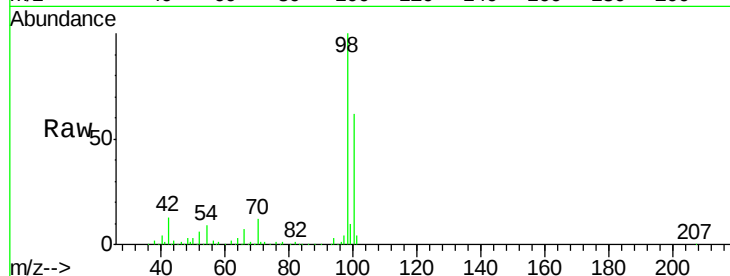
ClientSampled :

Tot Ion: 98 Resp: 99679

Ion Ratio Lower Upper

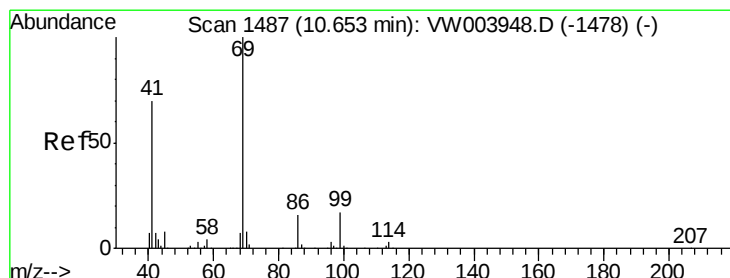
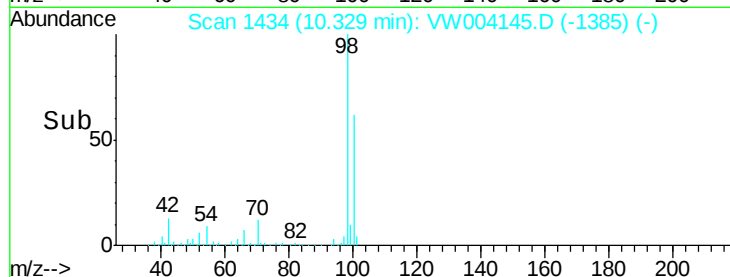
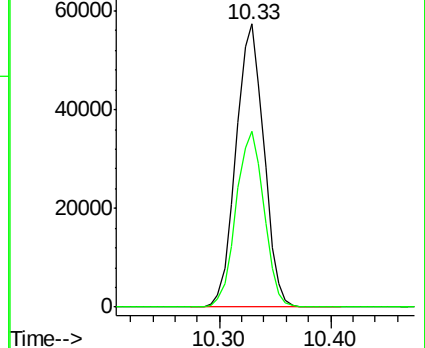
98 100

100 62.2 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW



#56

Ethyl methacrylate

Concen: 2.957 ug/l

RT: 10.73 min Scan# 1499

Delta R.T. 0.07 min

Lab File: VW004145.D

Acq: 23 Jul 2018 18:39

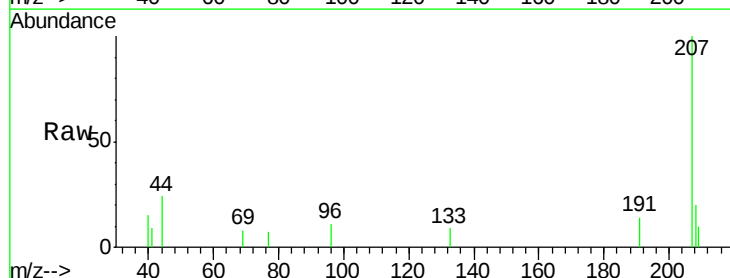
Tgt Ion: 69 Resp: 26

Ion Ratio Lower Upper

69 100

41 192.3 56.5 84.7#

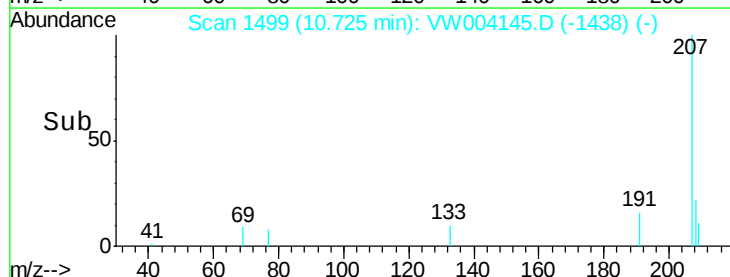
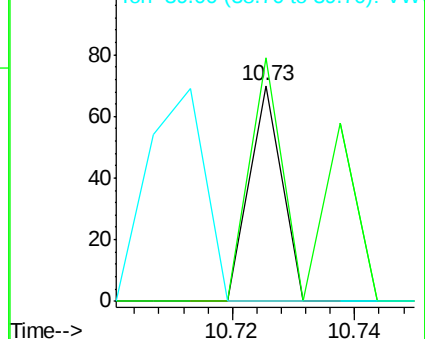
39 173.1 30.2 45.4#

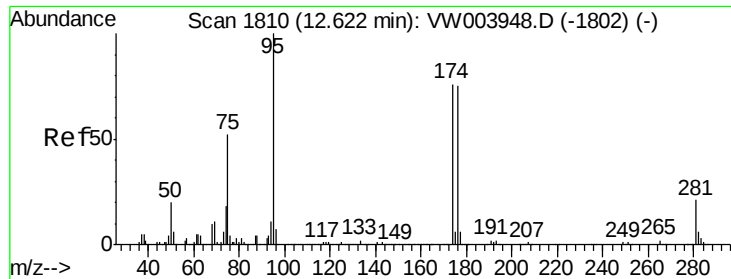


Abundance Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW





#62

4-Bromofluorobenzene

Concen: 11.473 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. -0.00 min

Lab File: VW004145.D

Acq: 23 Jul 2018 18:39

Instrument :

MSVOA_W

ClientSampleId :

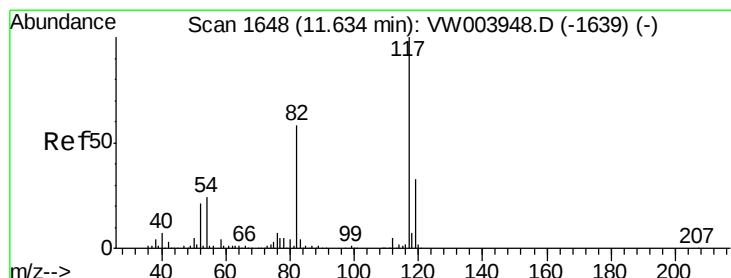
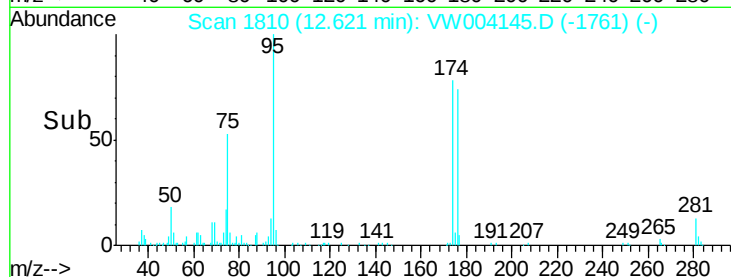
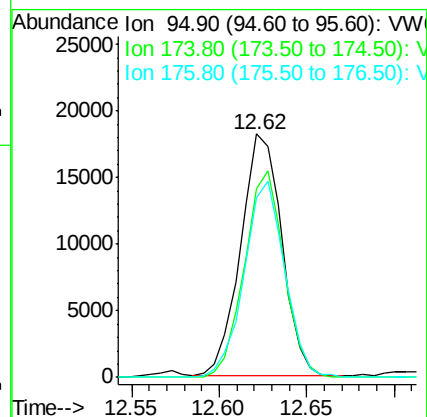
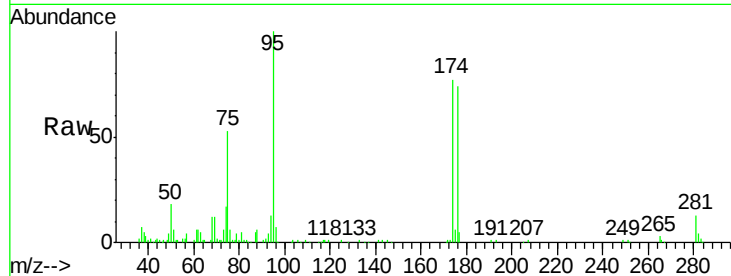
Tot Ion: 95 Resp: 29746

Ion Ratio Lower Upper

95 100

174 81.9 0.0 160.2

176 79.7 0.0 155.8



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1648

Delta R.T. -0.00 min

Lab File: VW004145.D

Acq: 23 Jul 2018 18:39

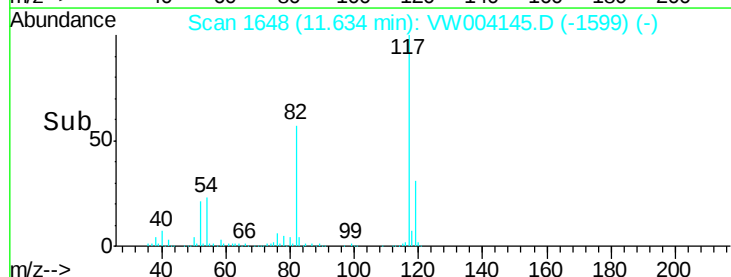
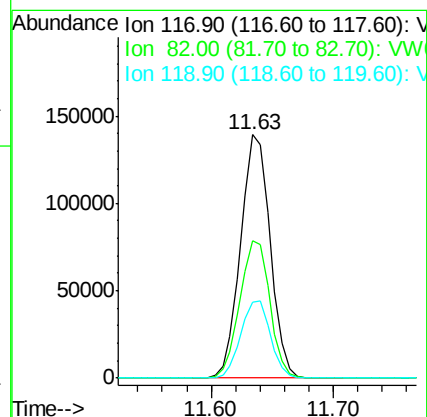
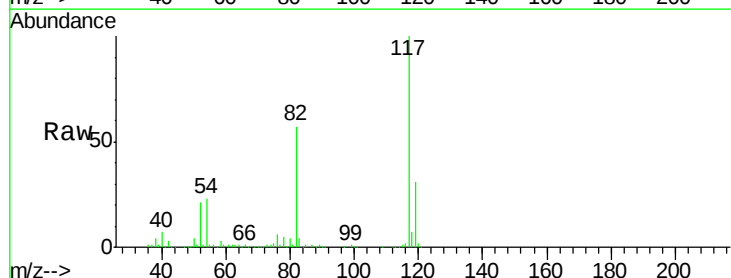
Tgt Ion: 117 Resp: 233183

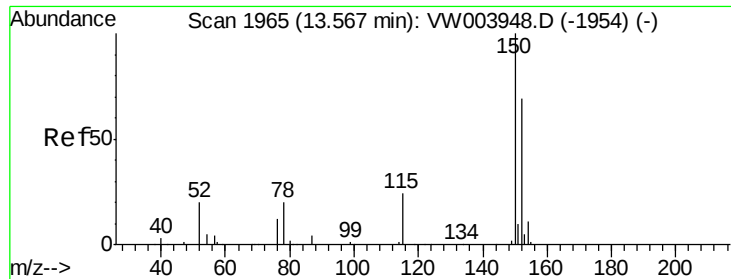
Ion Ratio Lower Upper

117 100

82 56.5 46.5 69.7

119 31.1 26.2 39.2



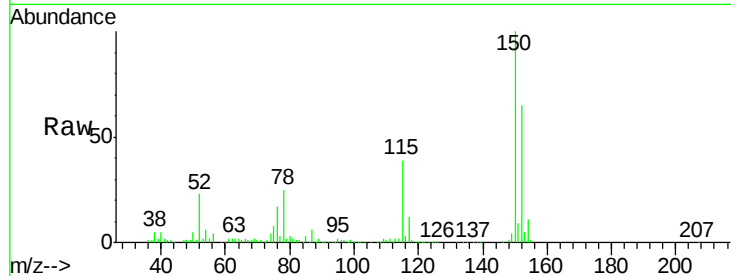


#72

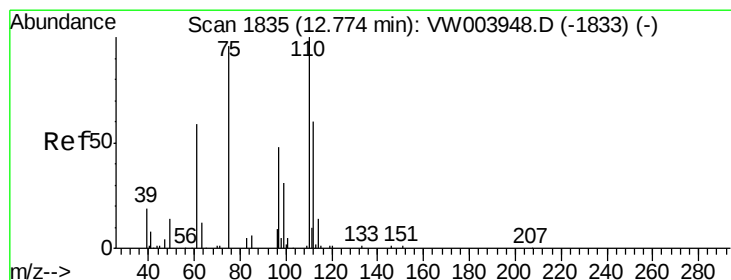
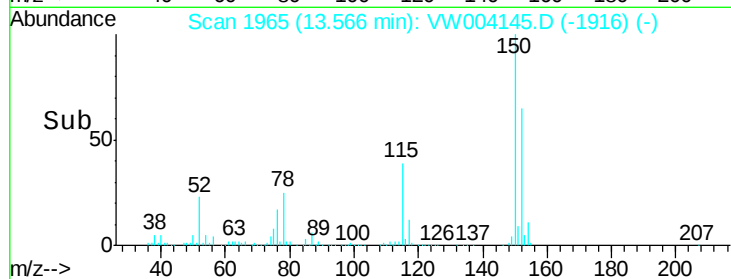
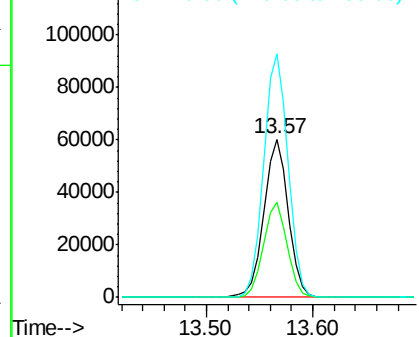
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1965
Delta R.T. -0.00 min
Lab File: VW004145.D
Acq: 23 Jul 2018 18:39

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:152 Resp: 96808
Ion Ratio Lower Upper
152 100
115 58.4 29.2 87.6
150 153.3 0.0 345.2



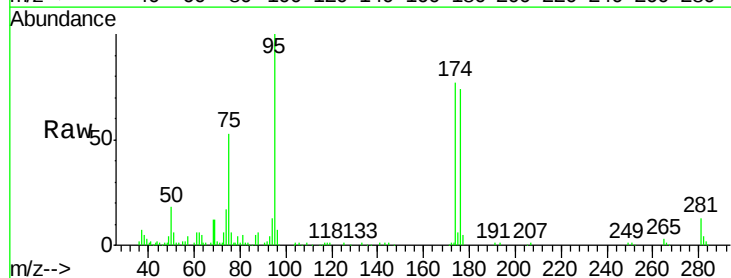
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



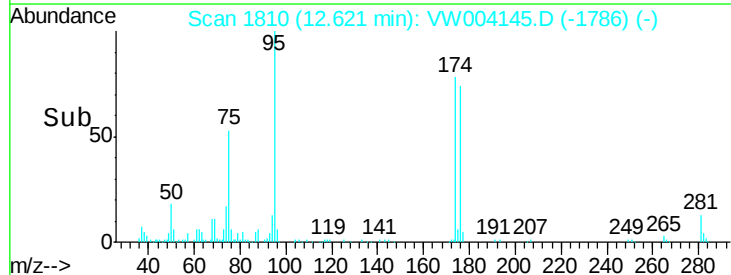
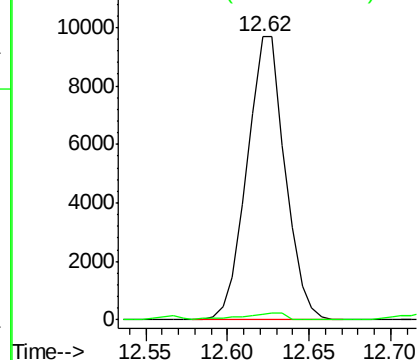
#76

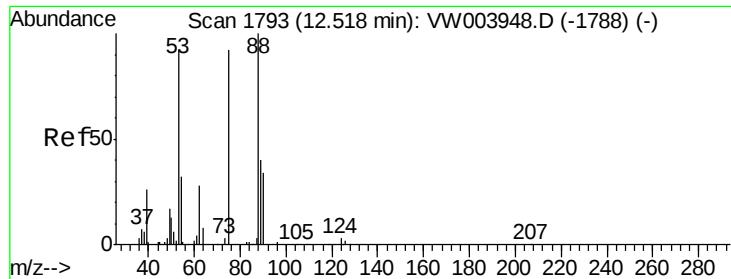
1,2,3-Trichloropropane
Concen: 16.442 ug/l
RT: 12.62 min Scan# 1810
Delta R.T. -0.15 min
Lab File: VW004145.D
Acq: 23 Jul 2018 18:39

Tgt Ion: 75 Resp: 15802
Ion Ratio Lower Upper
75 100
77 2.9 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: 36.369 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. 0.10 min

Lab File: VW004145.D

Acq: 23 Jul 2018 18:39

Instrument :

MSVOA_W

ClientSampleId :

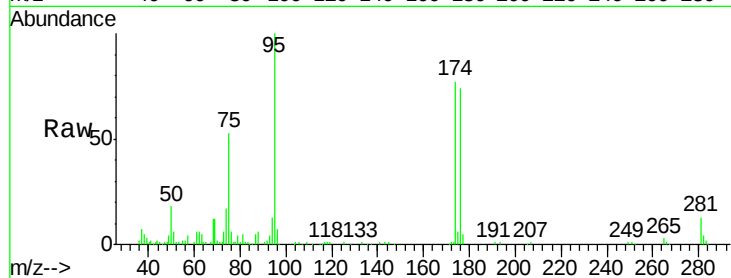
Tot Ion: 75 Resp: 15802

Ion Ratio Lower Upper

75 100

53 1.8 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

