

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW112018\
 Data File : VW006959.D
 Acq On : 19 Nov 2018 22:41
 Operator : SY/AP
 Sample : J5981-06
 Misc : 5.46G/5ML/MSVOA W/SOIL
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 DUP-01

Quant Time: Nov 20 04:37:30 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W111718S.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 17 04:45:18 2018
 Response via : Initial Calibration

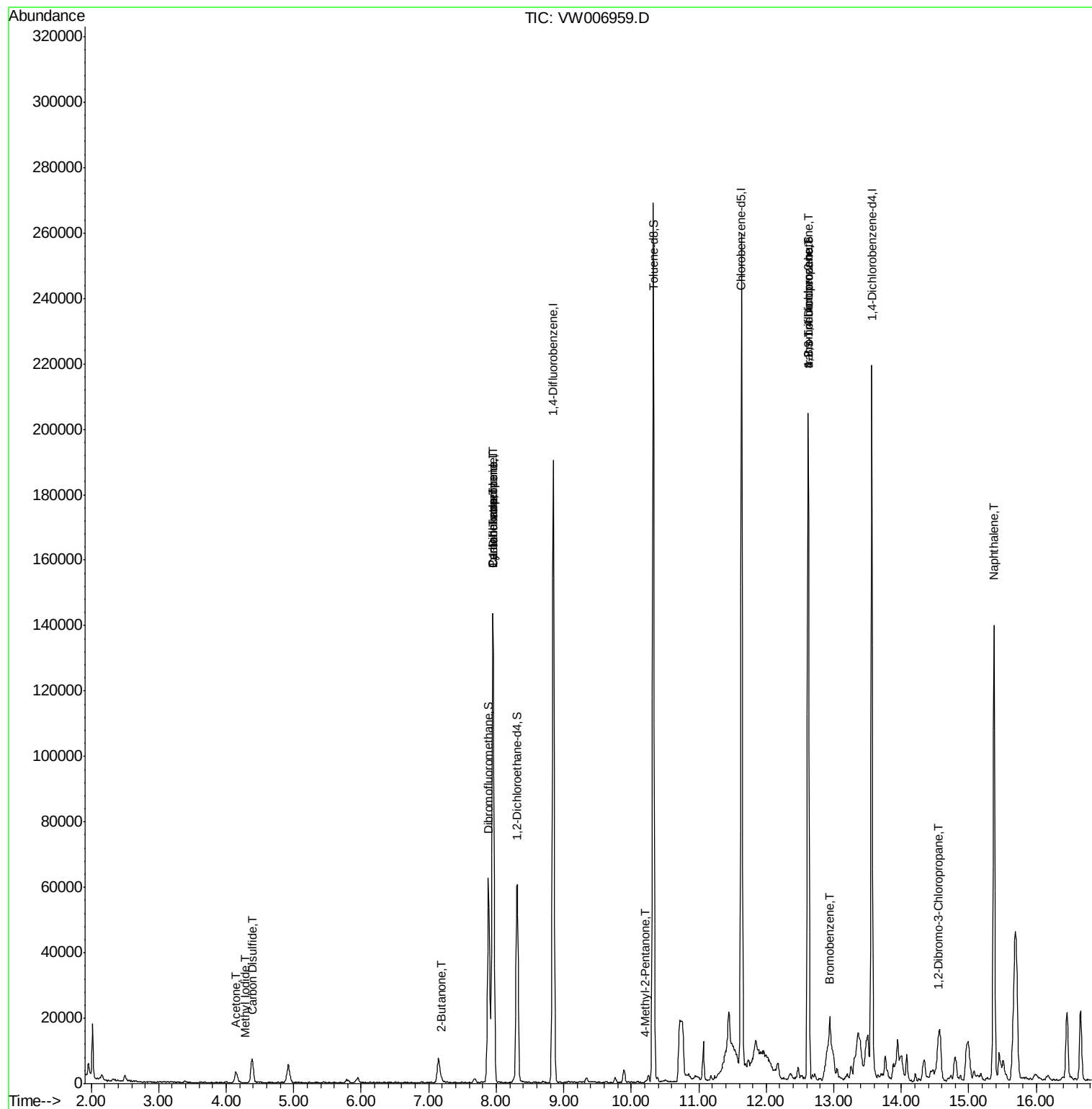
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	105514	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	164905	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	143658	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	57450	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	49670	42.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.48%	
35) Dibromofluoromethane	7.89	113	45730	47.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.72%	
50) Toluene-d8	10.32	98	182934	44.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.18%	
62) 4-Bromofluorobenzene	12.62	95	64919	40.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	80.24%	
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.28	142	116	3.504	ug/l #	41
16) Acetone	4.14	43	6562	36.483	ug/l	97
17) Carbon Disulfide	4.39	76	14883	4.839	ug/l	97
25) 2-Butanone	7.19	43	2162	7.238	ug/l	92
31) Cyclohexane	7.95	56	2277	1.131	ug/l #	8
36) 1,1-Dichloropropene	7.95	75	8188	5.212	ug/l #	48
38) Carbon Tetrachloride	7.95	117	10889	7.053	ug/l #	17
51) 4-Methyl-2-Pentanone	10.22	43	645	1.021	ug/l	92
76) 1,2,3-Trichloropropane	12.62	75	31818	68.918	ug/l #	100
77) Bromobenzene	12.93	156	7948	8.242	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	31818	156.881	ug/l #	10
92) 1,2-Dibromo-3-Chloropropan	14.55	75	789	6.813	ug/l #	5
95) Naphthalene	15.37	128	125955	58.926	ug/l	100

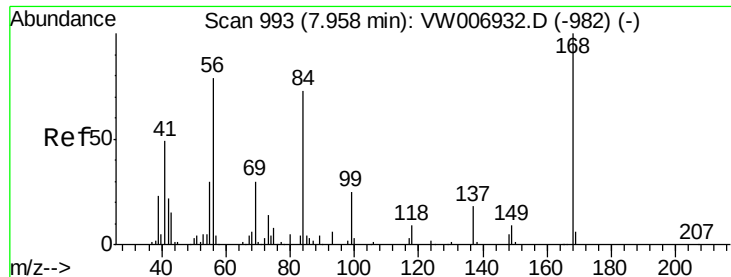
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW006959.D

Acq: 19 Nov 2018 22:41

Instrument :

MSVOA_W

ClientSampled :

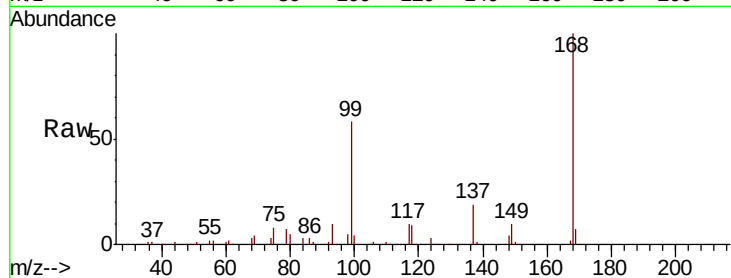
DUP-01

Tot Ion:168 Resp: 105514

Ion Ratio Lower Upper

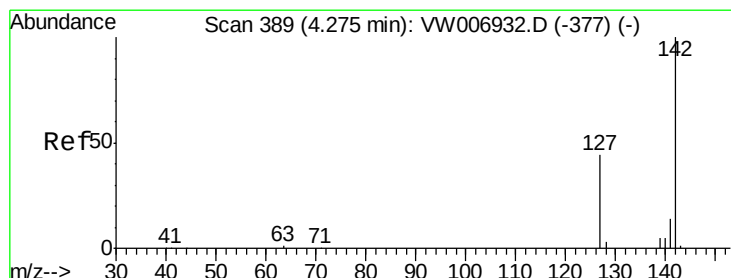
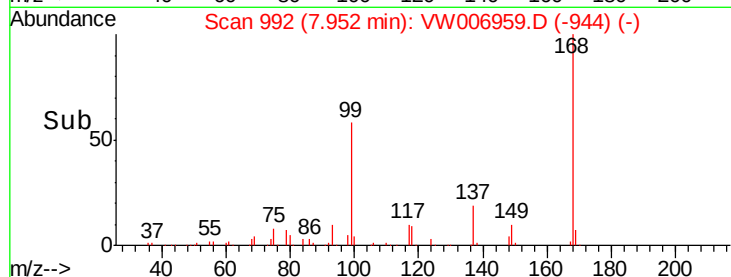
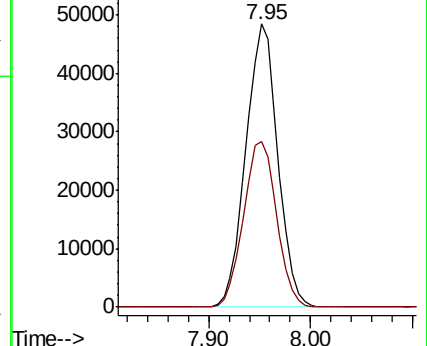
168 100

99 58.5 49.3 73.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): V



#10

Methyl Iodide

Concen: 3.504 ug/l

RT: 4.28 min Scan# 389

Delta R.T. 0.00 min

Lab File: VW006959.D

Acq: 19 Nov 2018 22:41

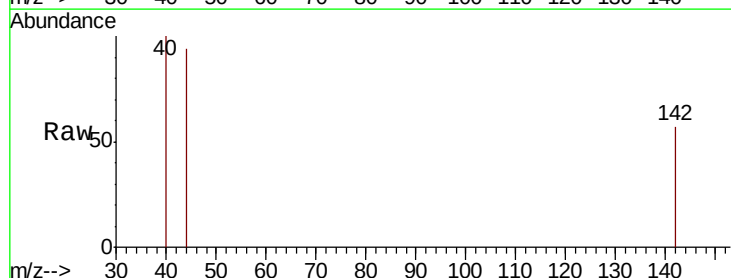
Tgt Ion:142 Resp: 116

Ion Ratio Lower Upper

142 100

127 0.0 34.4 51.6#

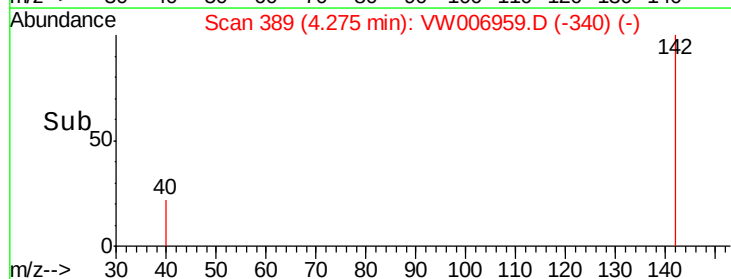
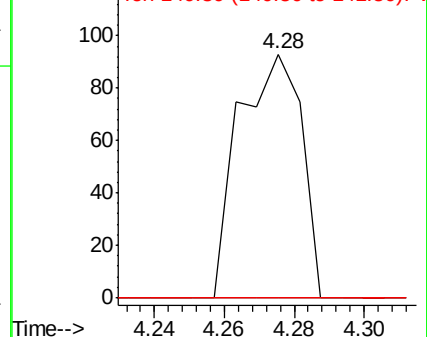
141 0.0 11.5 17.3#

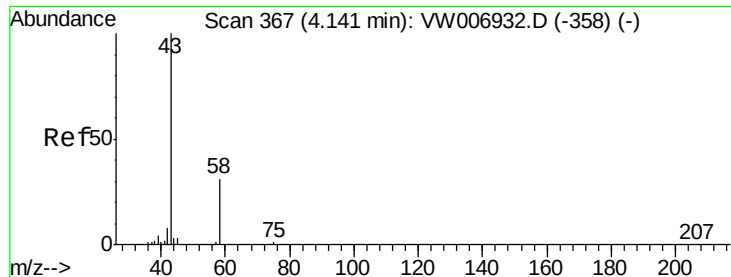


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#16

Acetone

Concen: 36.483 ug/l

RT: 4.14 min Scan# 367

Delta R.T. 0.00 min

Lab File: VW006959.D

Acq: 19 Nov 2018 22:41

Instrument :

MSVOA_W

ClientSampleId :

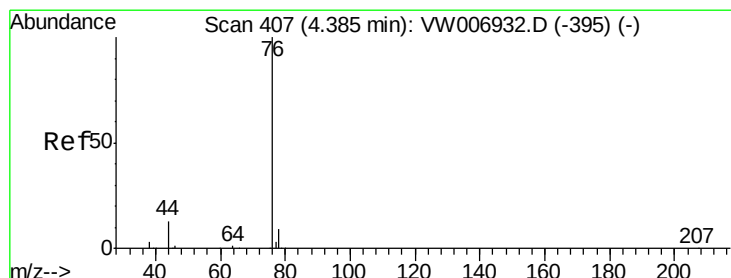
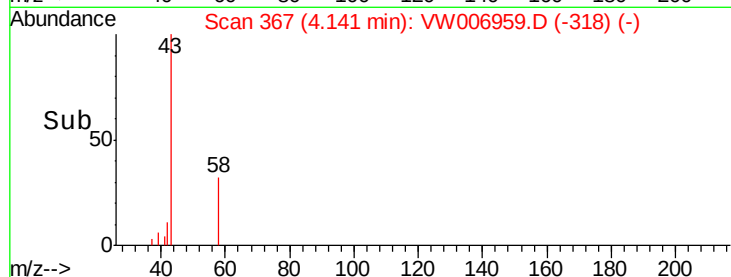
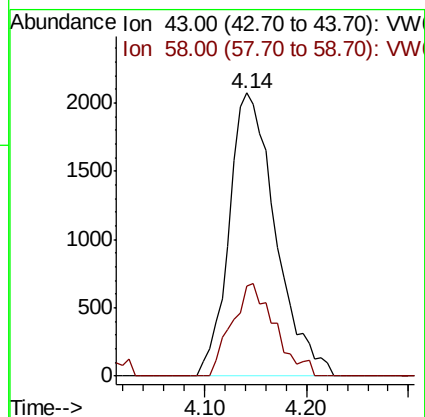
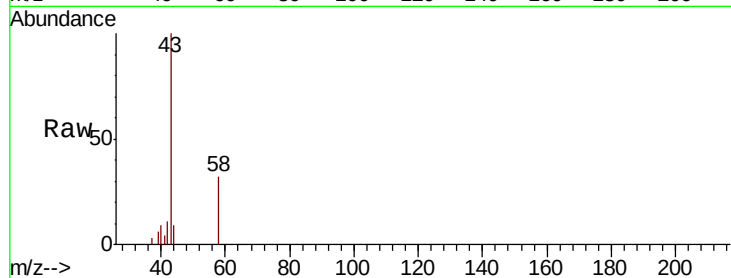
DUP-01

Tot Ion: 43 Resp: 6562

Ion Ratio Lower Upper

43 100

58 31.8 24.2 36.4



#17

Carbon Disulfide

Concen: 4.839 ug/l

RT: 4.39 min Scan# 407

Delta R.T. 0.00 min

Lab File: VW006959.D

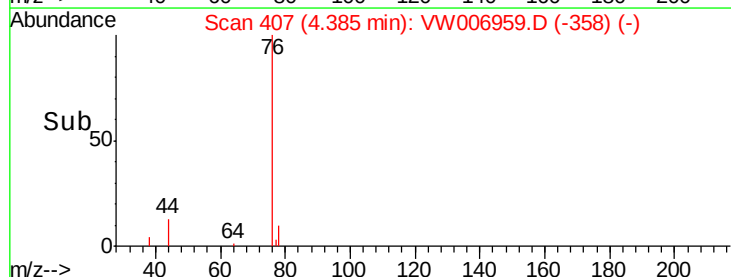
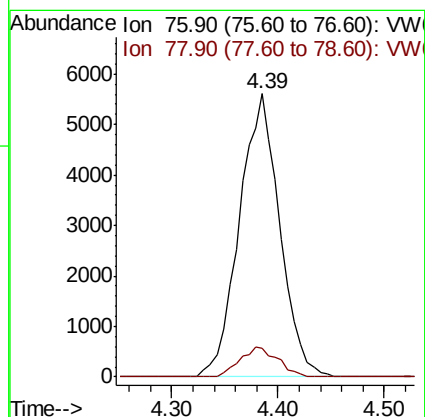
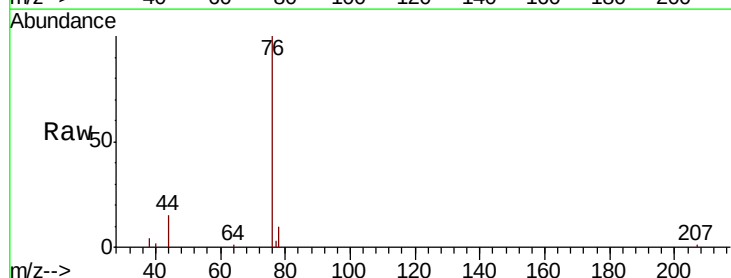
Acq: 19 Nov 2018 22:41

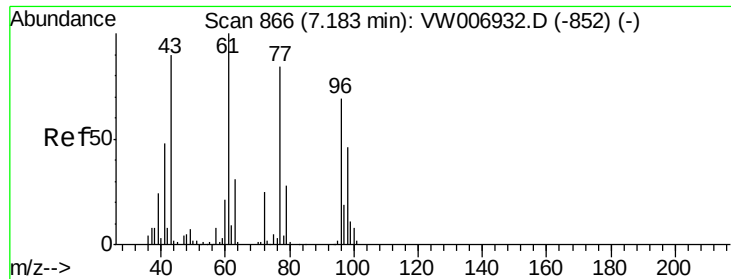
Tgt Ion: 76 Resp: 14883

Ion Ratio Lower Upper

76 100

78 10.1 7.1 10.7

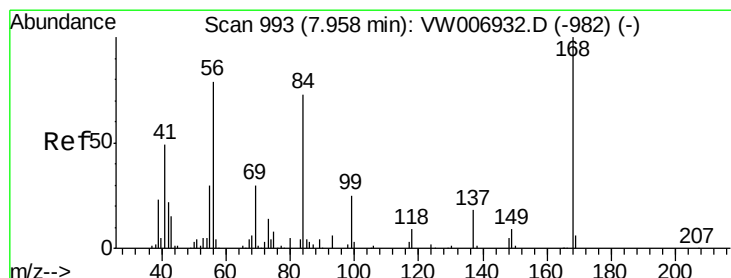
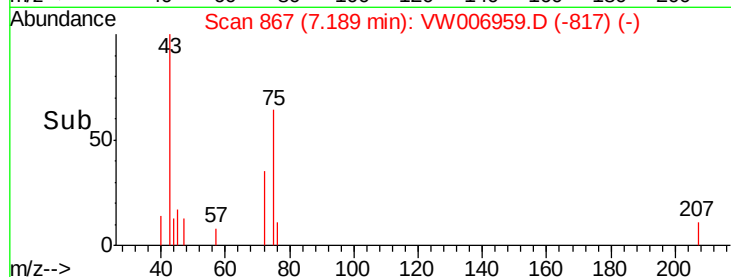
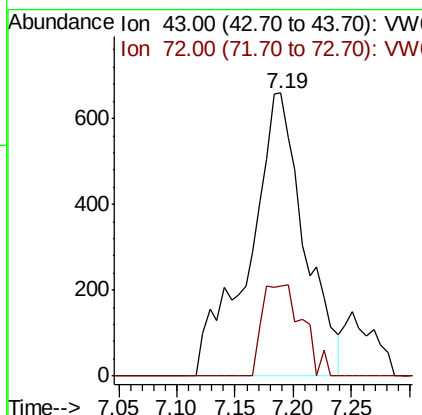
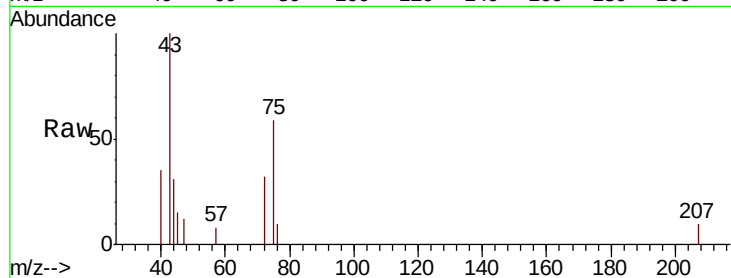




#25
2-Butanone
Concen: 7.238 ug/l
RT: 7.19 min Scan# 867
Delta R.T. 0.01 min
Lab File: VW006959.D
Acq: 19 Nov 2018 22:41

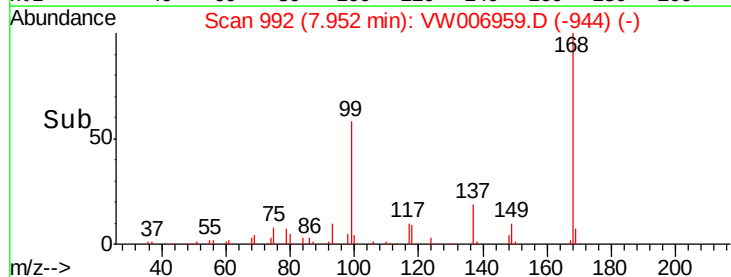
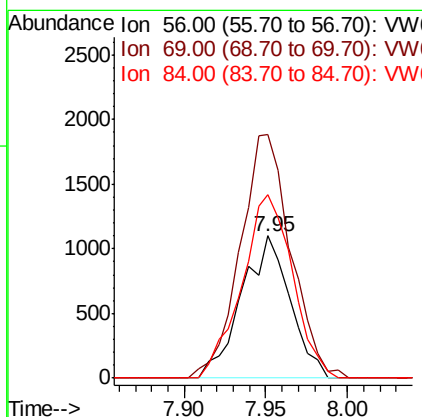
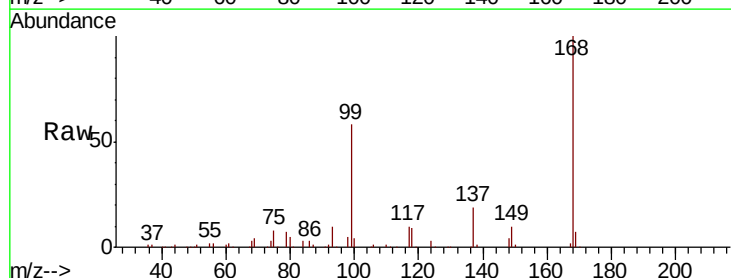
Instrument :
MSVOA_W
ClientSampled :
DUP-01

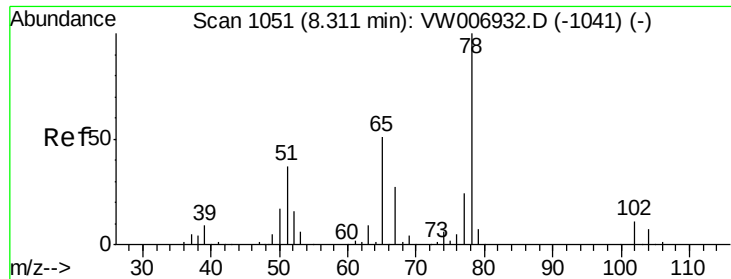
Tot Ion: 43 Resp: 2162
Ion Ratio Lower Upper
43 100
72 31.9 22.1 33.1



#31
Cyclohexane
Concen: 1.131 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.01 min
Lab File: VW006959.D
Acq: 19 Nov 2018 22:41

Tgt Ion: 56 Resp: 2277
Ion Ratio Lower Upper
56 100
69 171.0 30.2 45.2#
84 129.2 73.6 110.4#

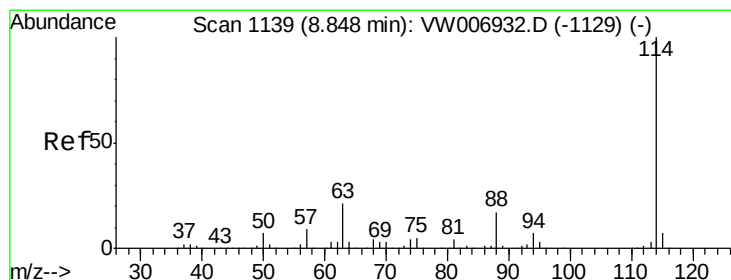
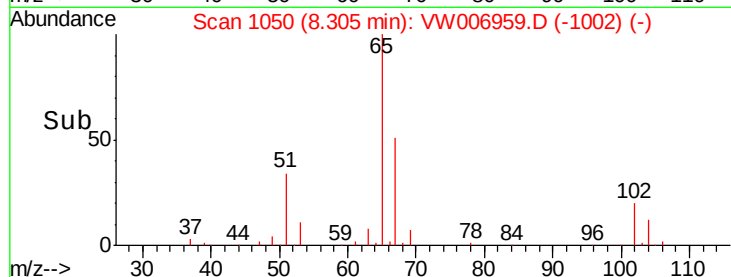
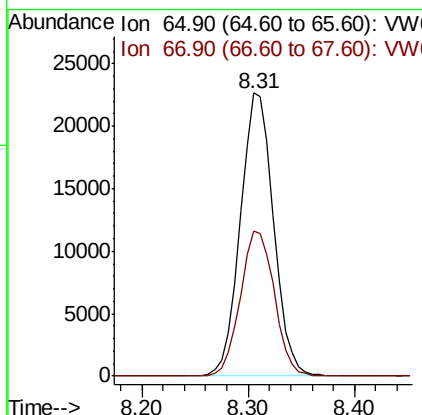
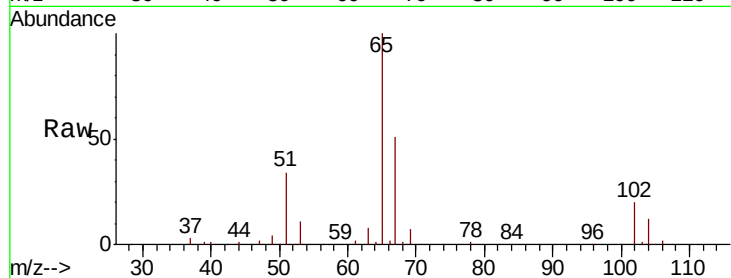




#33
 1,2-Dichloroethane-d4
 Concen: 42.240 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.01 min
 Lab File: VW006959.D
 Acq: 19 Nov 2018 22:41

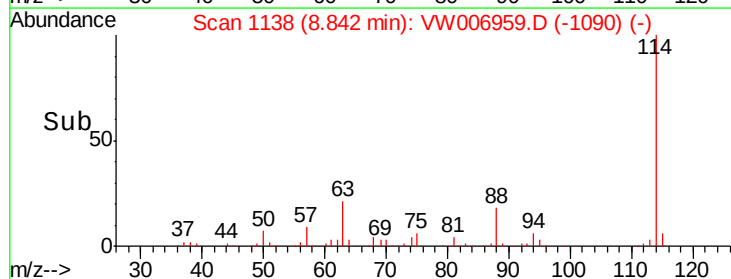
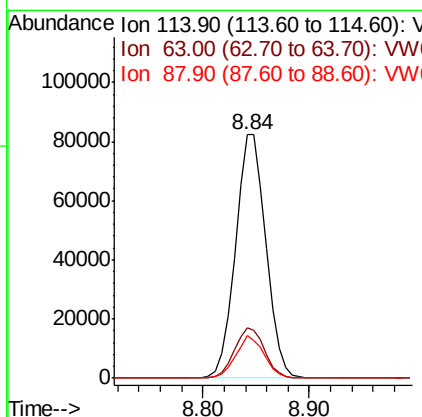
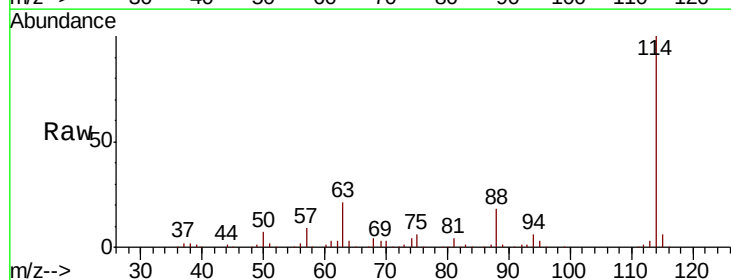
Instrument :
 MSVOA_W
 ClientSampleID :
 DUP-01

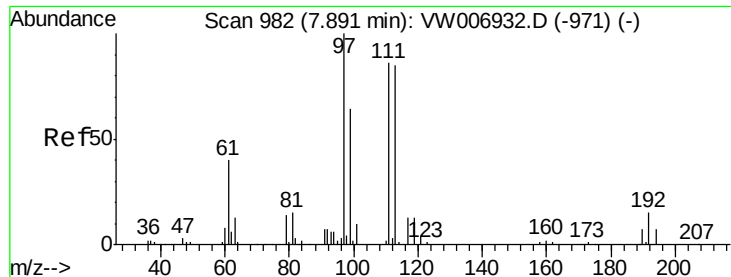
Tot Ion: 65 Resp: 49670
 Ion Ratio Lower Upper
 65 100
 67 52.6 0.0 104.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.01 min
 Lab File: VW006959.D
 Acq: 19 Nov 2018 22:41

Tgt Ion: 114 Resp: 164905
 Ion Ratio Lower Upper
 114 100
 63 20.7 0.0 42.2
 88 17.6 0.0 33.4

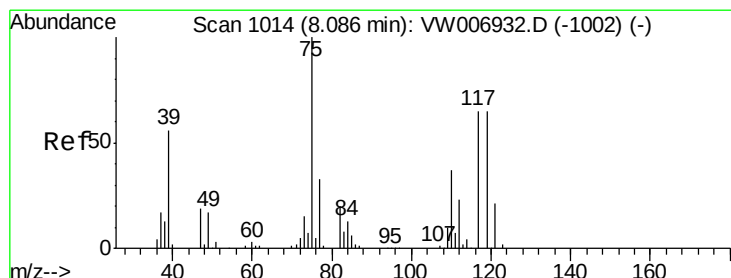
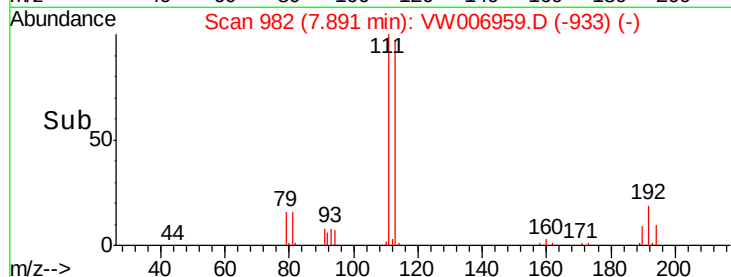
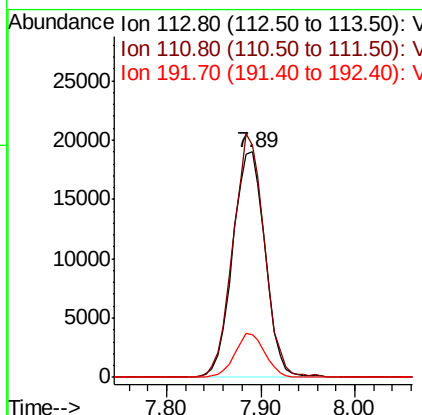
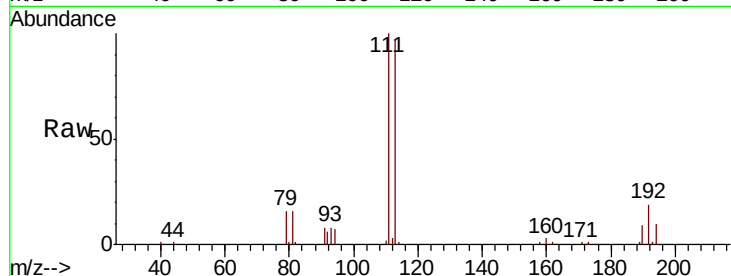




#35
 Dibromofluoromethane
 Concen: 47.360 ug/l
 RT: 7.89 min Scan# 982
 Delta R.T. 0.00 min
 Lab File: VW006959.D
 Acq: 19 Nov 2018 22:41

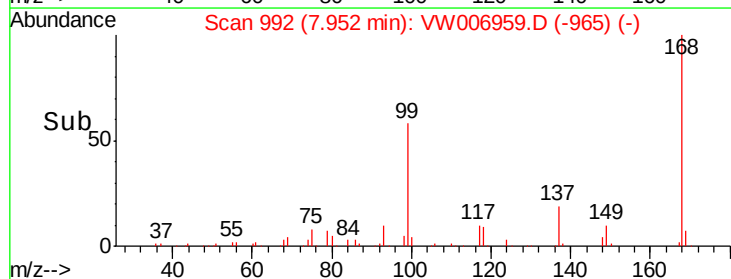
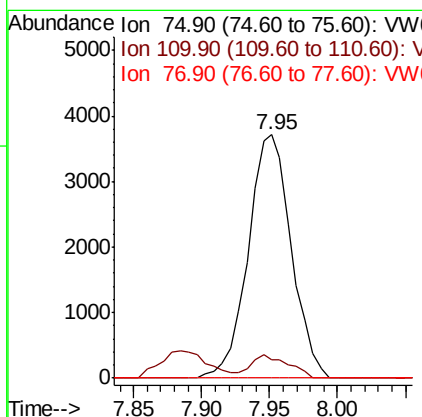
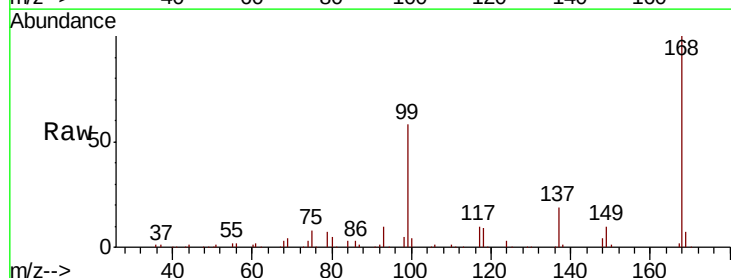
Instrument :
 MSVOA_W
 ClientSampled :
 DUP-01

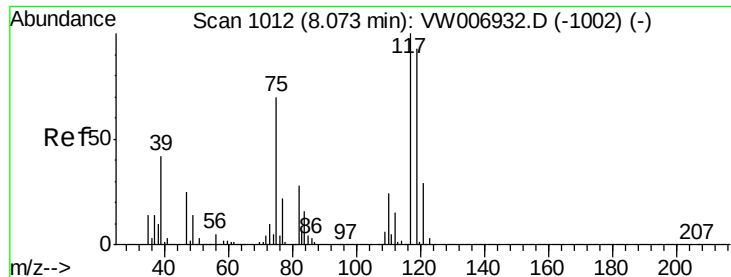
Tot Ion:113 Resp: 45730
 Ion Ratio Lower Upper
 113 100
 111 104.0 81.7 122.5
 192 18.1 13.9 20.9



#36
 1,1-Dichloropropene
 Concen: 5.212 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.13 min
 Lab File: VW006959.D
 Acq: 19 Nov 2018 22:41

Tgt Ion: 75 Resp: 8188
 Ion Ratio Lower Upper
 75 100
 110 8.3 18.1 54.1#
 77 0.0 25.4 38.0#





#38

Carbon Tetrachloride

Concen: 7.053 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.12 min

Lab File: VW006959.D

Acq: 19 Nov 2018 22:41

Instrument :

MSVOA_W

ClientSampleId :

DUP-01

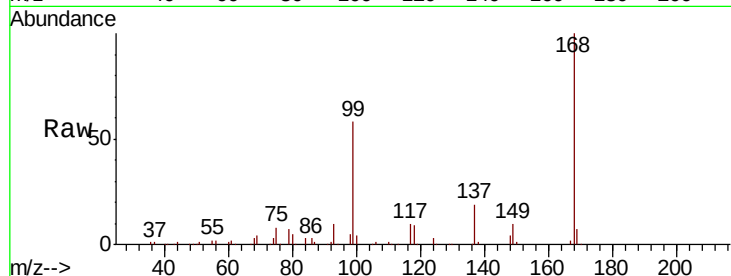
Tot Ion:117 Resp: 10889

Ion Ratio Lower Upper

117 100

119 4.9 74.2 111.4#

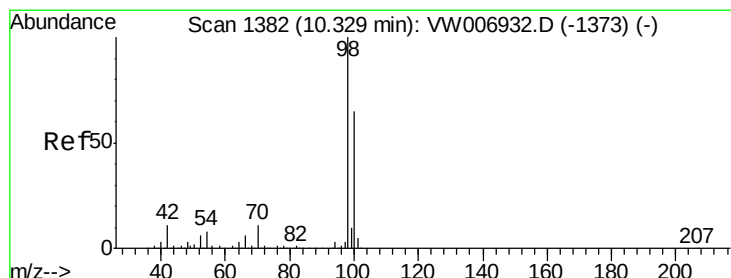
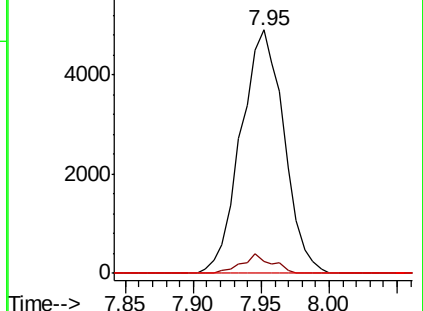
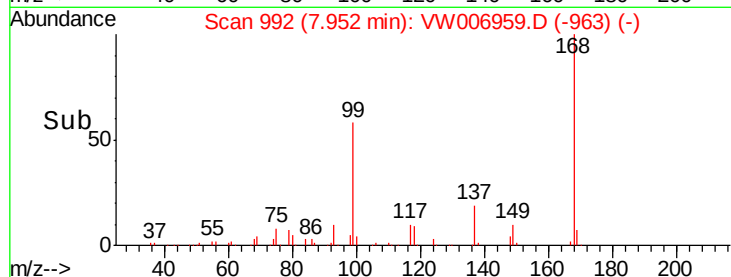
121 0.0 23.5 35.3#



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: 44.086 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.01 min

Lab File: VW006959.D

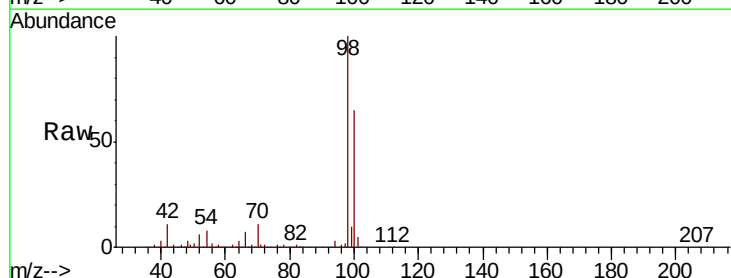
Acq: 19 Nov 2018 22:41

Tgt Ion: 98 Resp: 182934

Ion Ratio Lower Upper

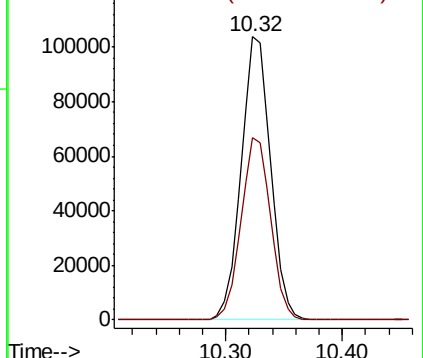
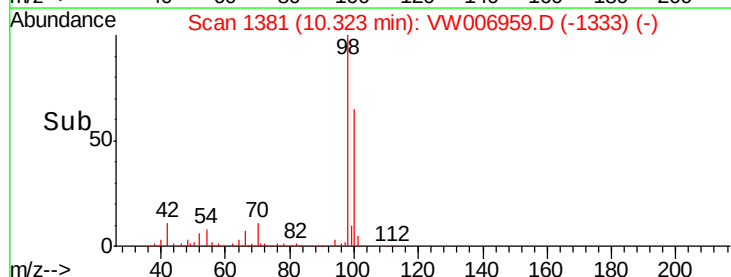
98 100

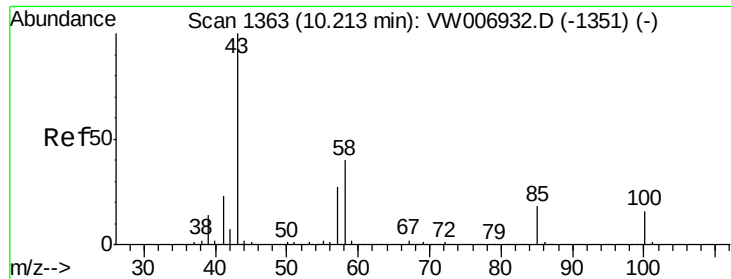
100 64.8 52.3 78.5



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#51

4-Methyl-2-Pentanone

Concen: 1.021 ug/l

RT: 10.22 min Scan# 1364

Delta R.T. 0.01 min

Lab File: VW006959.D

Acq: 19 Nov 2018 22:41

Instrument :

MSVOA_W

ClientSampled :

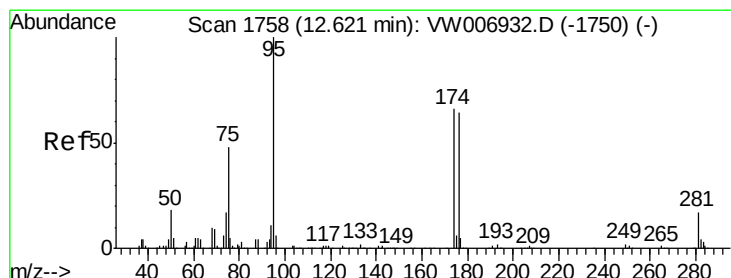
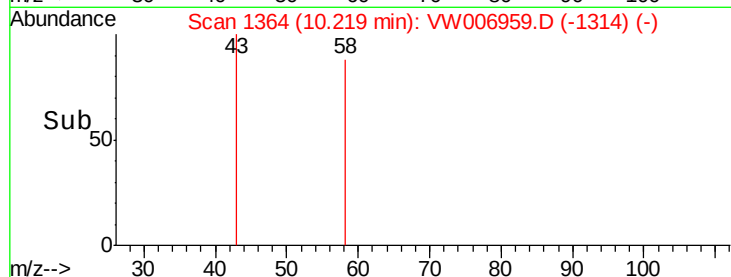
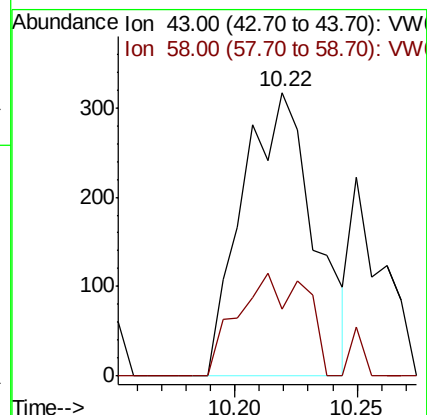
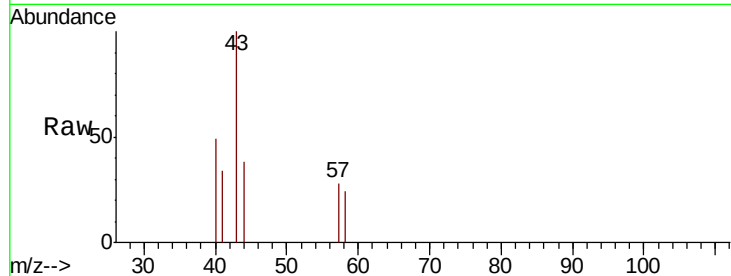
DUP-01

Tot Ion: 43 Resp: 645

Ion Ratio Lower Upper

43 100

58 34.0 31.0 46.4



#62

4-Bromofluorobenzene

Concen: 40.124 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW006959.D

Acq: 19 Nov 2018 22:41

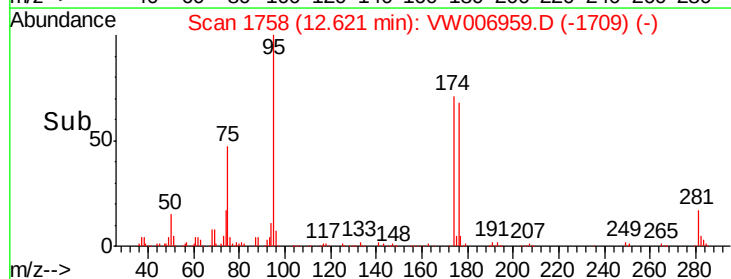
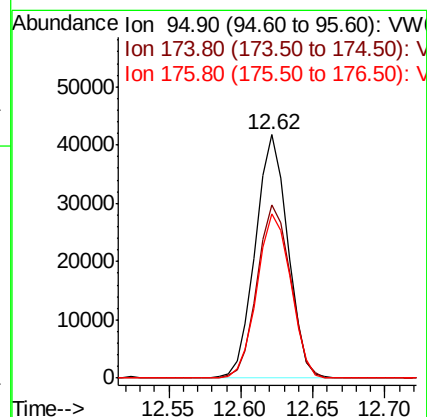
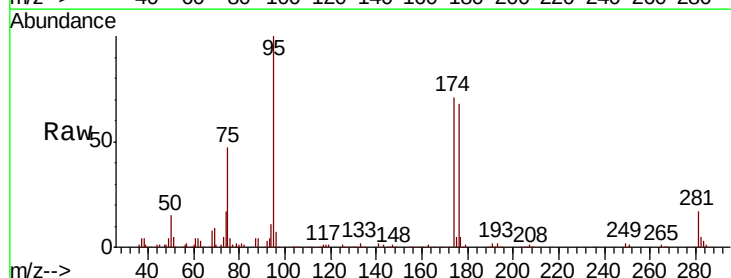
Tgt Ion: 95 Resp: 64919

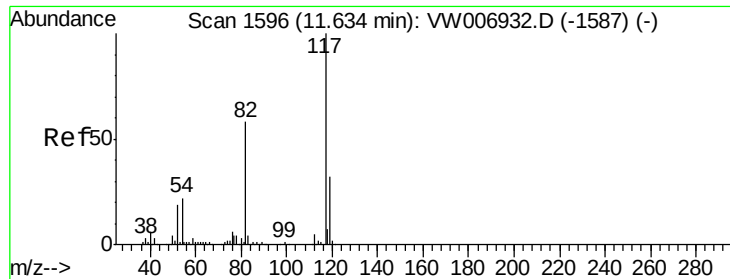
Ion Ratio Lower Upper

95 100

174 73.5 0.0 138.4

176 70.4 0.0 133.4

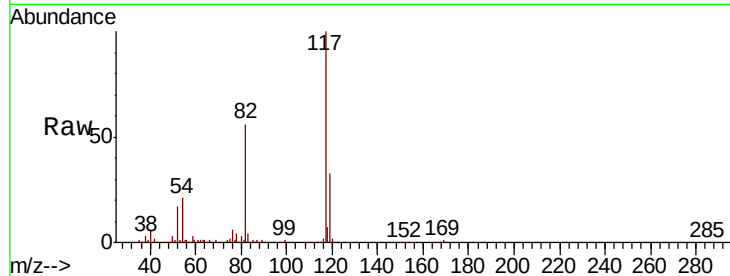




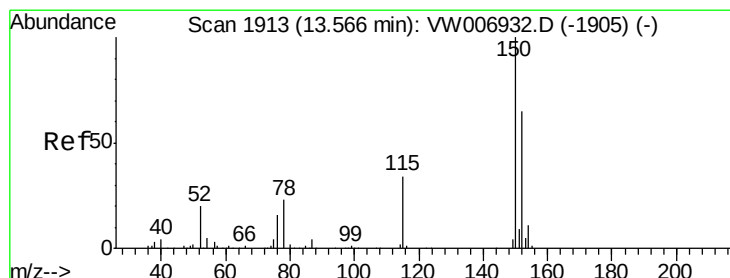
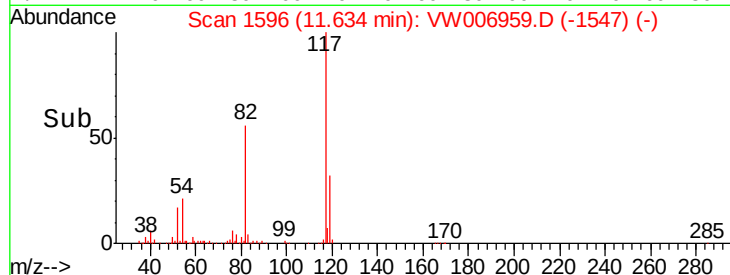
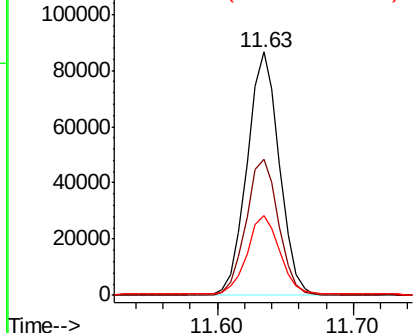
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW006959.D
Acq: 19 Nov 2018 22:41

Instrument :
MSVOA_W
ClientSampled :
DUP-01

Tot Ion:117 Resp: 143658
Ion Ratio Lower Upper
117 100
82 55.8 46.2 69.2
119 32.3 25.5 38.3

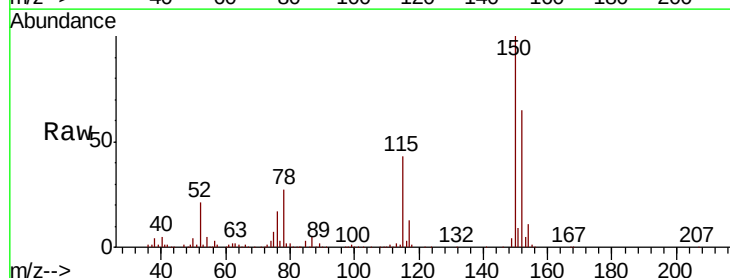


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

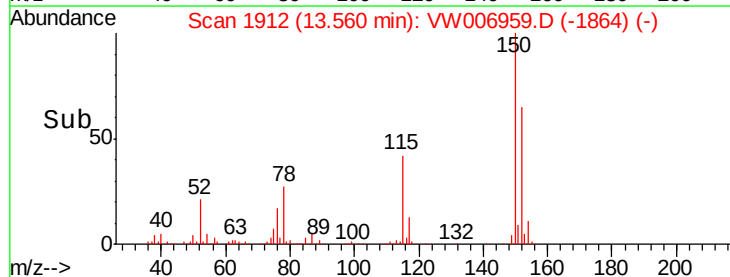
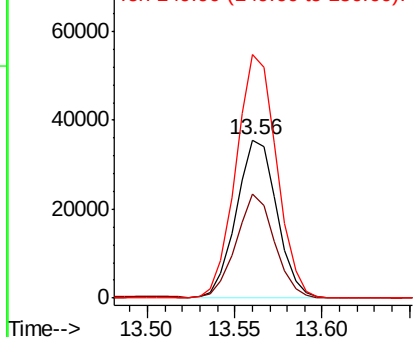


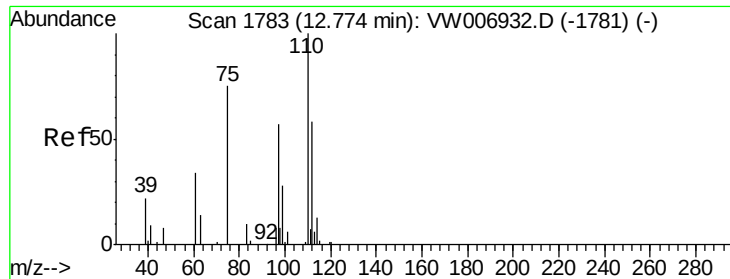
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.01 min
Lab File: VW006959.D
Acq: 19 Nov 2018 22:41

Tgt Ion:152 Resp: 57450
Ion Ratio Lower Upper
152 100
115 62.3 31.6 94.7
150 153.9 0.0 350.0



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: 68.918 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW006959.D

Acq: 19 Nov 2018 22:41

Instrument :

MSVOA_W

ClientSampleId :

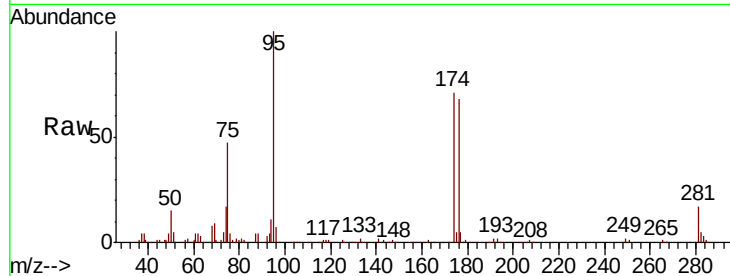
DUP-01

Tot Ion: 75 Resp: 31818

Ion Ratio Lower Upper

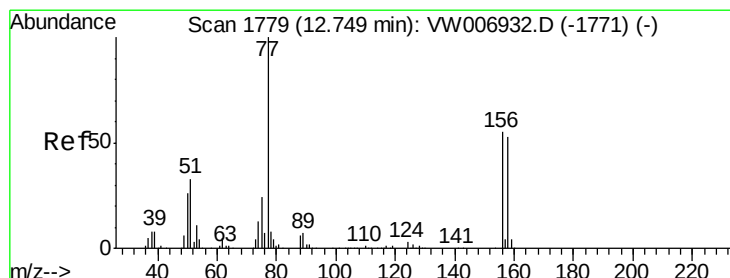
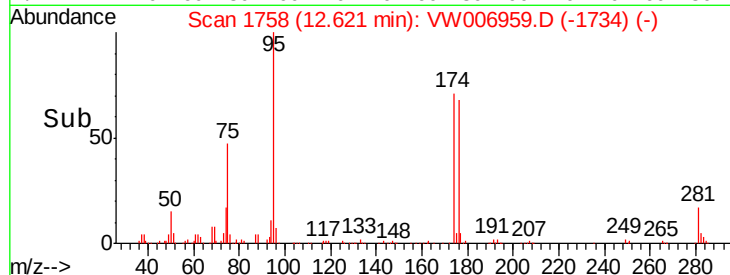
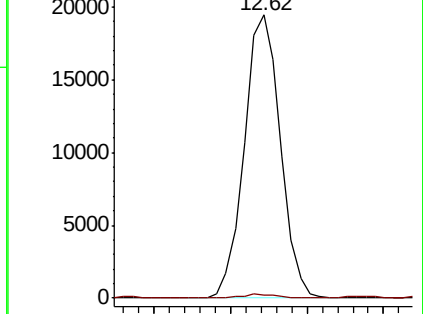
75 100

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



#77

Bromobenzene

Concen: 8.242 ug/l

RT: 12.93 min Scan# 1808

Delta R.T. 0.18 min

Lab File: VW006959.D

Acq: 19 Nov 2018 22:41

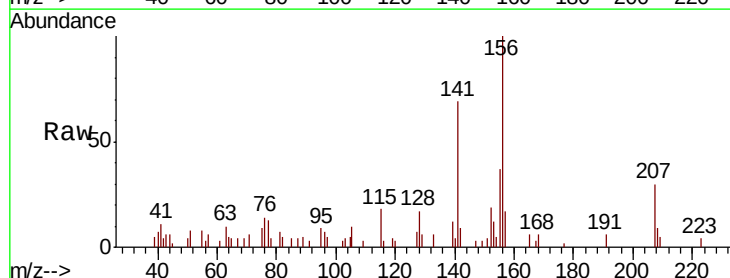
Tgt Ion: 156 Resp: 7948

Ion Ratio Lower Upper

156 100

77 5.2 97.8 293.3#

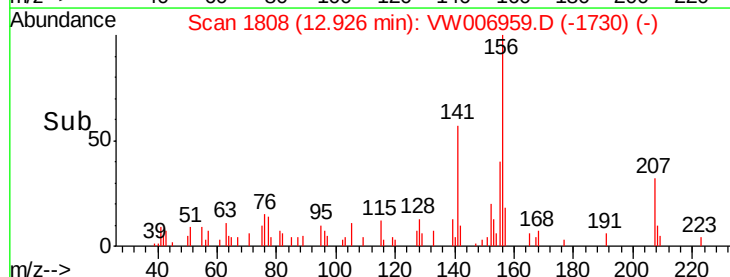
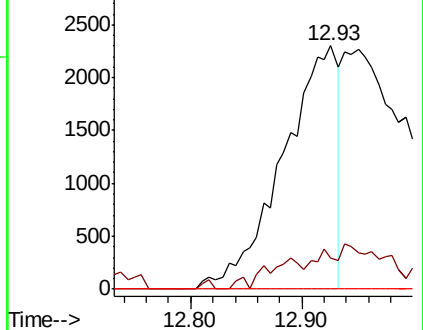
158 0.0 47.9 143.7#

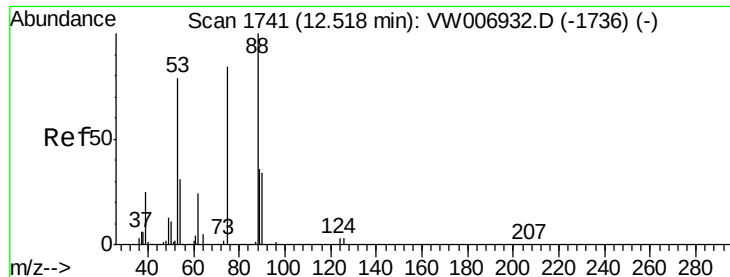


Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V





#81

trans-1,4-Dichloro-2-butene

Concen: 156.881 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW006959.D

Acq: 19 Nov 2018 22:41

Instrument :

MSVOA_W

ClientSampled :

DUP-01

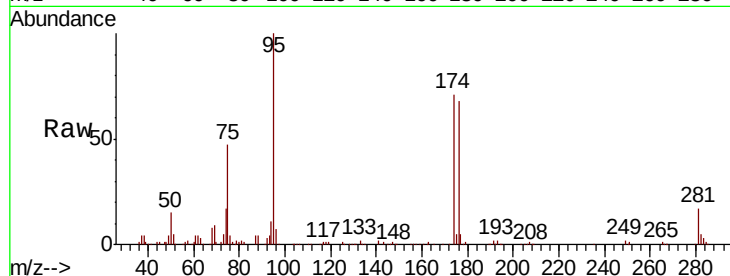
Tot Ion: 75 Resp: 31818

Ion Ratio Lower Upper

75 100

53 0.0 79.3 118.9#

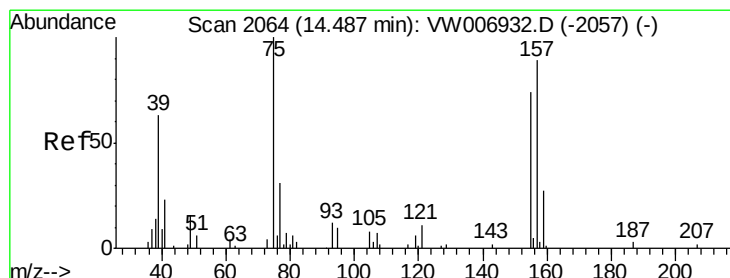
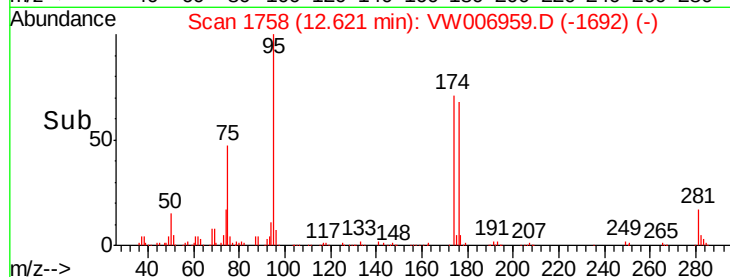
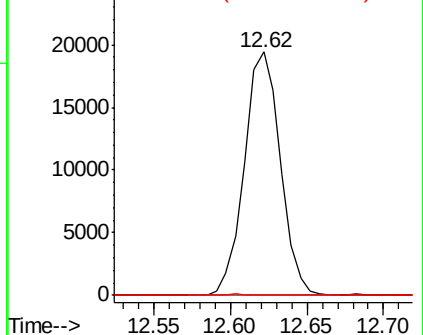
89 0.3 39.5 59.3#



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



#92

1,2-Dibromo-3-Chloropropane

Concen: 6.813 ug/l

RT: 14.55 min Scan# 2074

Delta R.T. 0.06 min

Lab File: VW006959.D

Acq: 19 Nov 2018 22:41

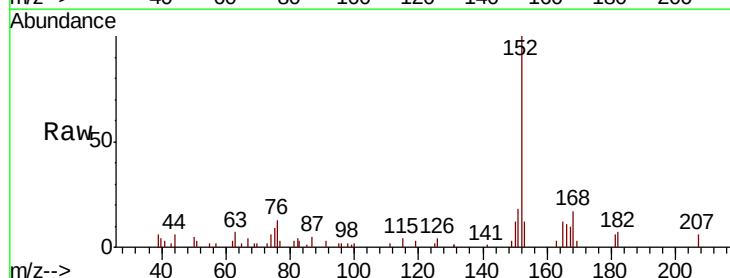
Tgt Ion: 75 Resp: 789

Ion Ratio Lower Upper

75 100

155 0.0 38.6 115.7#

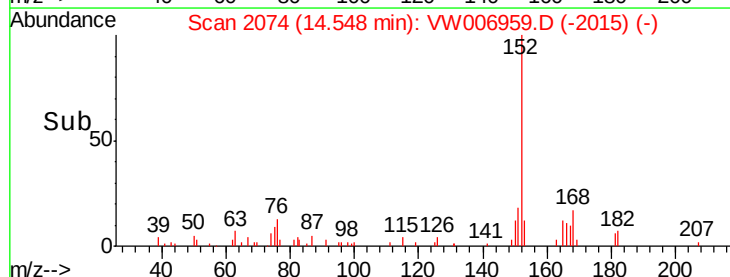
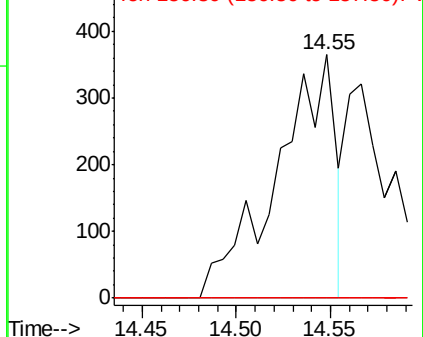
157 0.0 49.7 149.1#

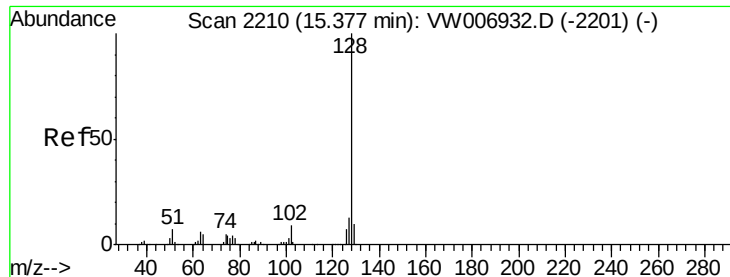


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

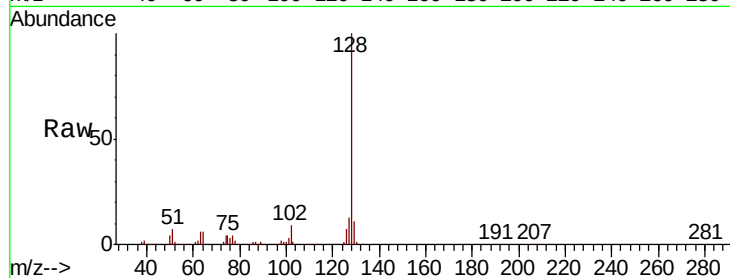




#95
Naphthalene
Concen: 58.926 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. -0.01 min
Lab File: VW006959.D
Acq: 19 Nov 2018 22:41

Instrument :
MSVOA_W
ClientSampleId :
DUP-01

Tot Ion:	128	Resp:	125955
Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.6	15.8
129	10.7	8.5	12.7



Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

