

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW112018\
 Data File : VW006966.D
 Acq On : 20 Nov 2018 01:39
 Operator : SY/AP
 Sample : J5993-01
 Misc : 5.05G/5ML/MSVOA W/SOIL
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 20180925-WCC-1-COMPOSITE

Quant Time: Nov 20 04:39:49 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	97769	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	153119	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	131857	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	47164	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	52436	48.12	ug/l	0.00
Spiked Amount			Recovery	=	96.24%	
35) Dibromofluoromethane	7.88	113	45658	50.93	ug/l	0.00
Spiked Amount			Recovery	=	101.86%	
50) Toluene-d8	10.32	98	177867	46.16	ug/l	0.00
Spiked Amount			Recovery	=	92.32%	
62) 4-Bromofluorobenzene	12.62	95	60900	40.54	ug/l	0.00
Spiked Amount			Recovery	=	81.08%	

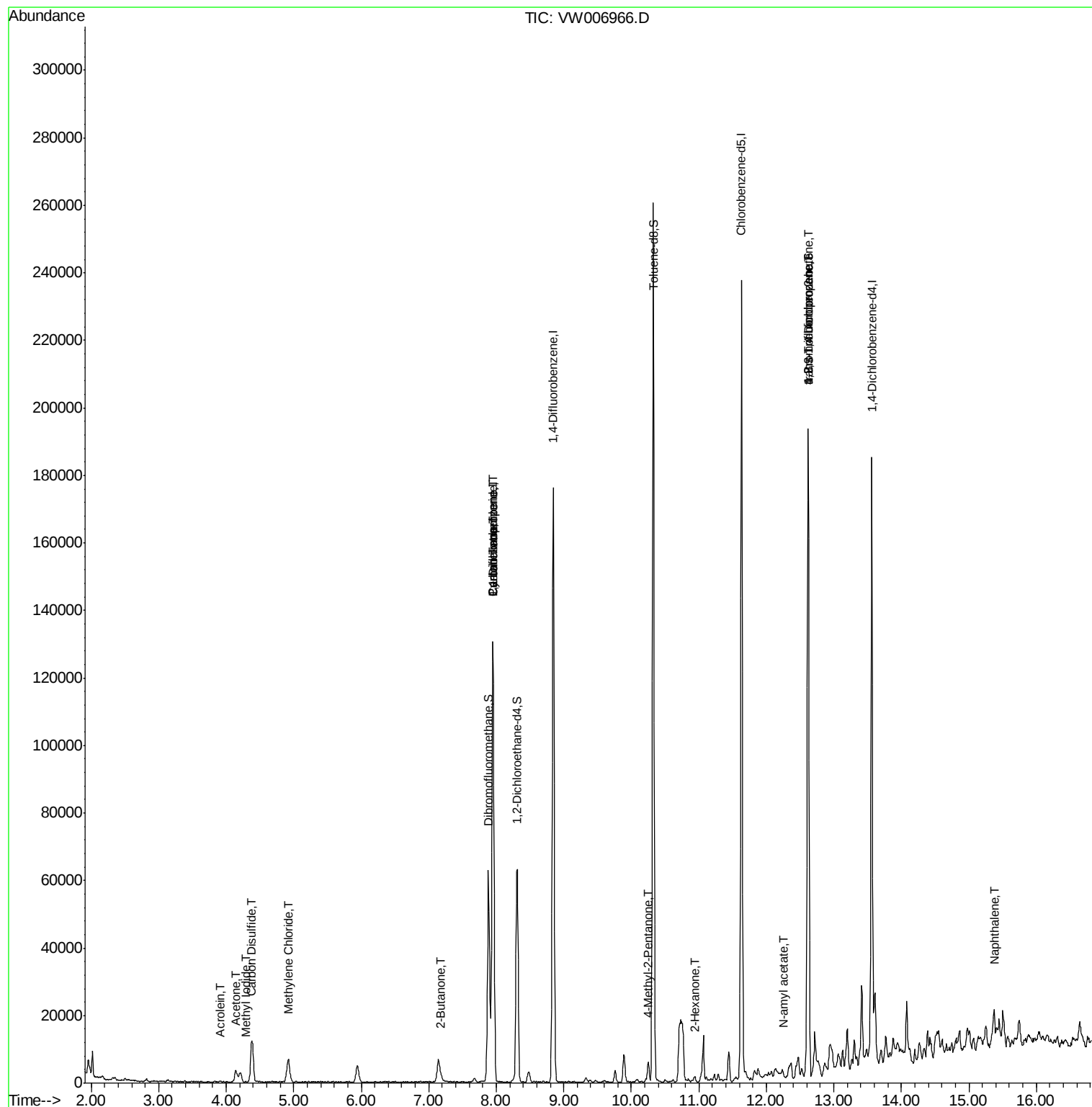
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	4.28	142	31	3.447	ug/l #	41
13) Acrolein	3.92	56	276	3.672	ug/l #	14
16) Acetone	4.15	43	6801	40.807	ug/l	96
17) Carbon Disulfide	4.38	76	26760	9.391	ug/l	98
20) Methylene Chloride	4.92	84	5295	1.328	ug/l #	95
25) 2-Butanone	7.18	43	2676	9.668	ug/l	92
31) Cyclohexane	7.95	56	2089	1.120	ug/l #	28
36) 1,1-Dichloropropene	7.95	75	7378	5.058	ug/l #	49
38) Carbon Tetrachloride	7.95	117	10107	7.050	ug/l #	18
51) 4-Methyl-2-Pentanone	10.26	43	739	1.260	ug/l	92
59) 2-Hexanone	10.94	43	669	1.704	ug/l #	25
74) N-amyl acetate	12.26	43	1019	1.363	ug/l #	44
76) 1,2,3-Trichloropropane	12.62	75	29639	78.199	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	29639	178.009	ug/l #	10
95) Naphthalene	15.38	128	10680	6.086	ug/l #	92

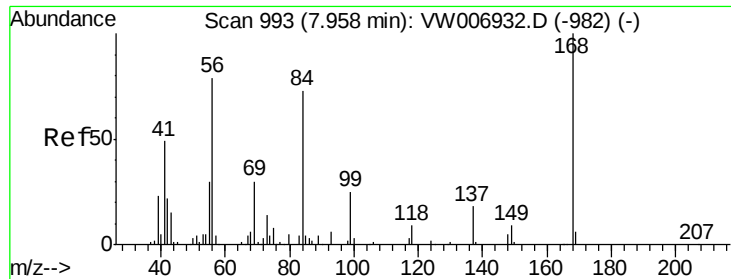
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW006966.D

Acq: 20 Nov 2018 01:39

Instrument :

MSVOA_W

ClientSampleId :

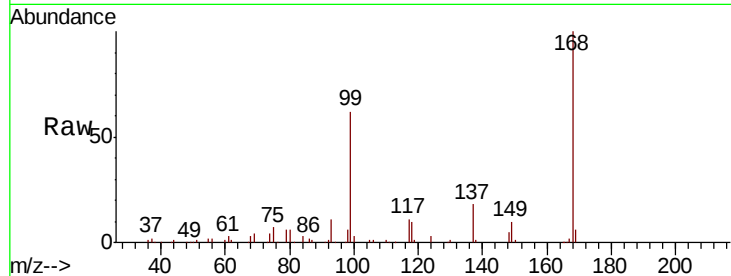
20180925-WCC-1-COMPOSITE

Tot Ion:168 Resp: 97769

Ion Ratio Lower Upper

168 100

99 62.2 49.3 73.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): V

7.95

40000

30000

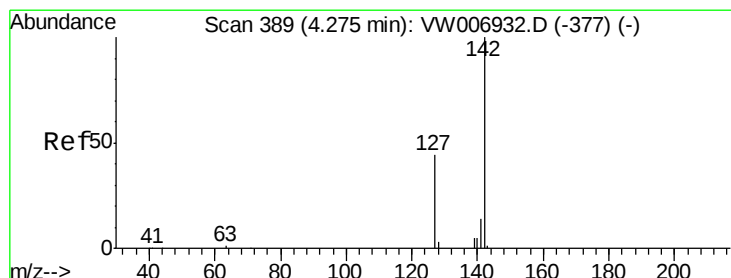
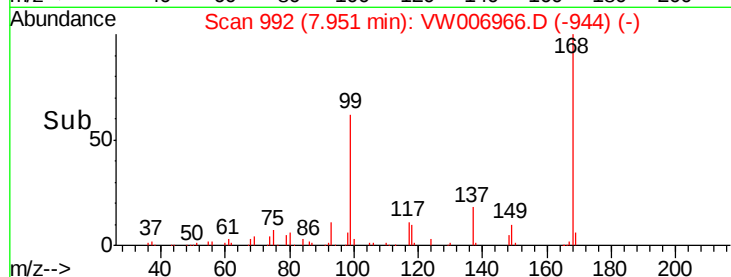
20000

10000

0

7.85 7.90 7.95 8.00 8.05

Time-->



#10

Methyl Iodide

Concen: 3.447 ug/l

RT: 4.28 min Scan# 390

Delta R.T. 0.01 min

Lab File: VW006966.D

Acq: 20 Nov 2018 01:39

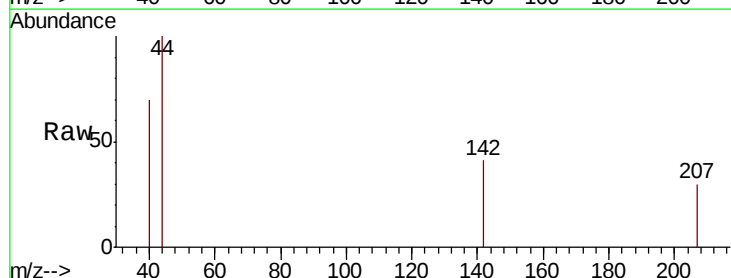
Tgt Ion:142 Resp: 31

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

4.28

100

80

60

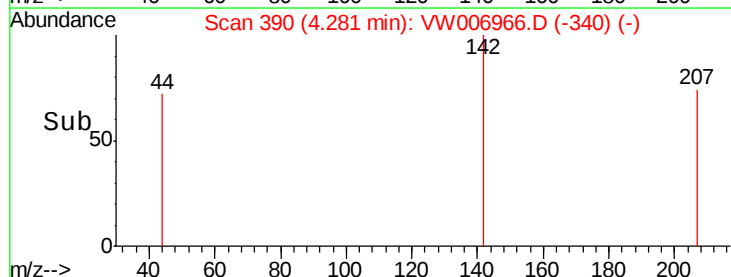
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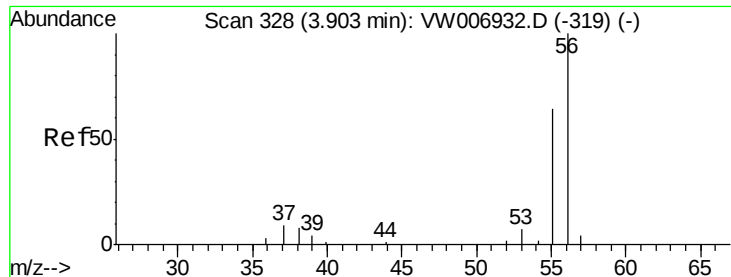
20

0

4.26 4.27 4.28 4.29 4.30

Time-->





#13

Acrolein

Concen: 3.672 ug/l

RT: 3.92 min Scan# 331

Delta R.T. 0.02 min

Lab File: VW006966.D

Acq: 20 Nov 2018 01:39

Instrument :

MSVOA_W

ClientSampleId :

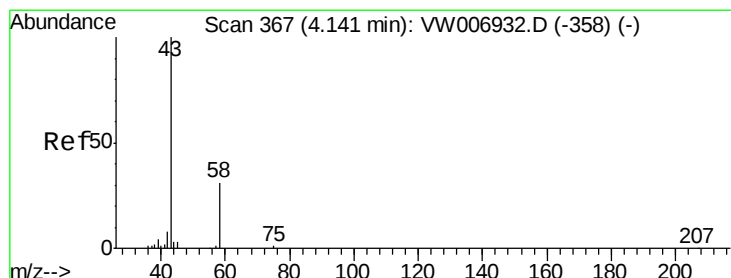
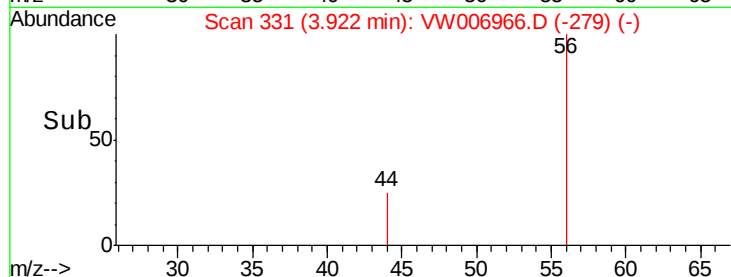
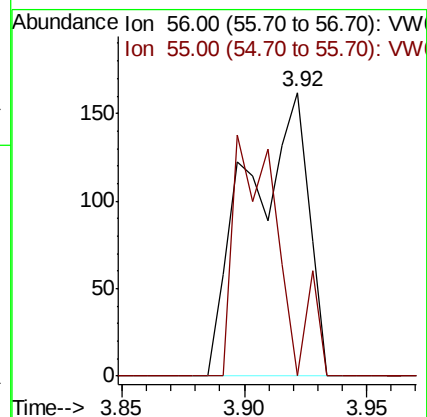
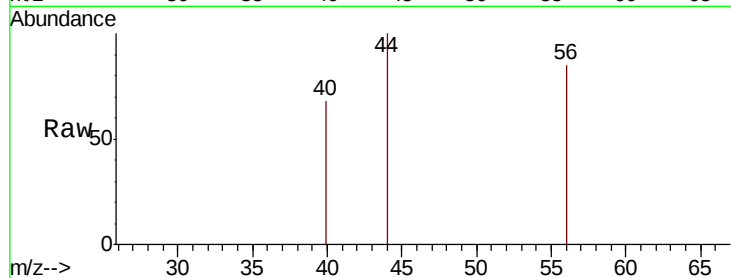
20180925-WCC-1-COMPOSITE

Tot Ion: 56 Resp: 276

Ion Ratio Lower Upper

56 100

55 0.0 56.5 84.7#



#16

Acetone

Concen: 40.807 ug/l

RT: 4.15 min Scan# 368

Delta R.T. 0.01 min

Lab File: VW006966.D

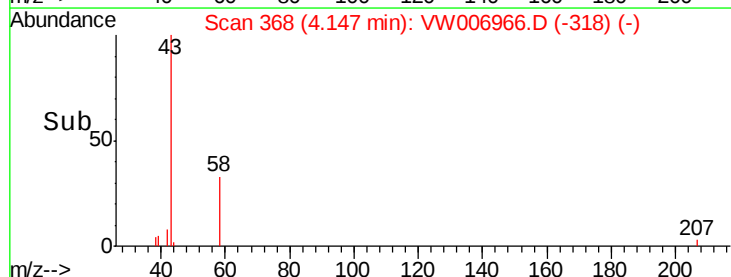
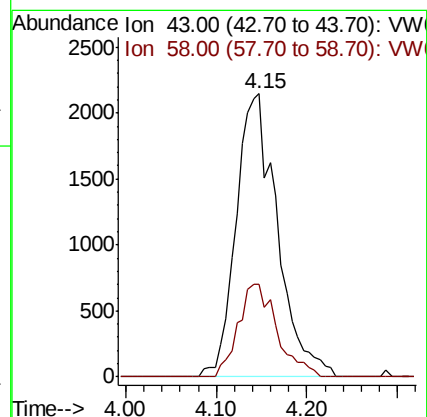
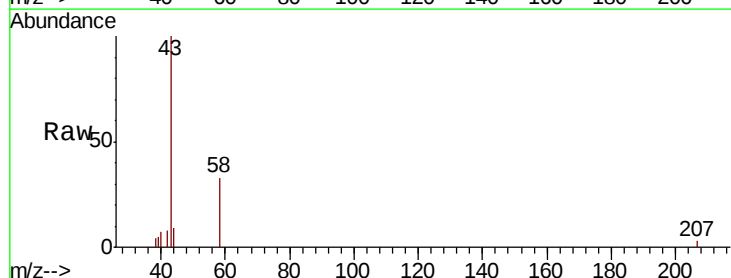
Acq: 20 Nov 2018 01:39

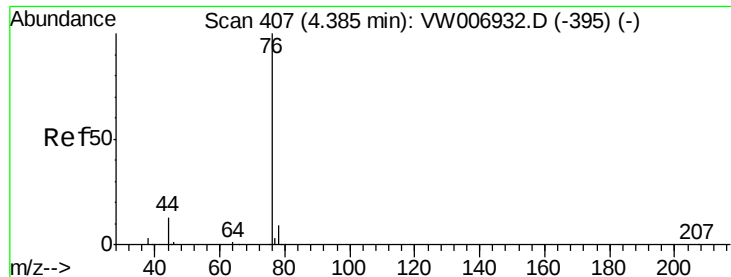
Tgt Ion: 43 Resp: 6801

Ion Ratio Lower Upper

43 100

58 32.5 24.2 36.4





#17

Carbon Disulfide

Concen: 9.391 ug/l

RT: 4.38 min Scan# 406

Delta R.T. -0.01 min

Lab File: VW006966.D

Acq: 20 Nov 2018 01:39

Instrument :

MSVOA_W

ClientSampleId :

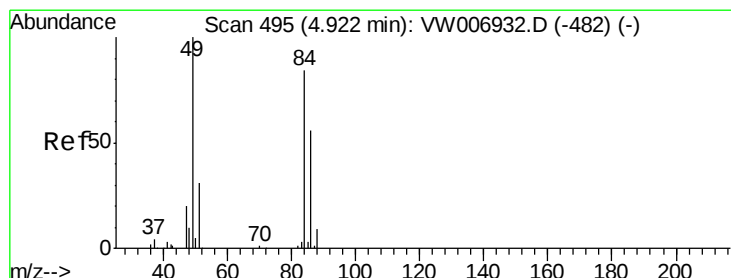
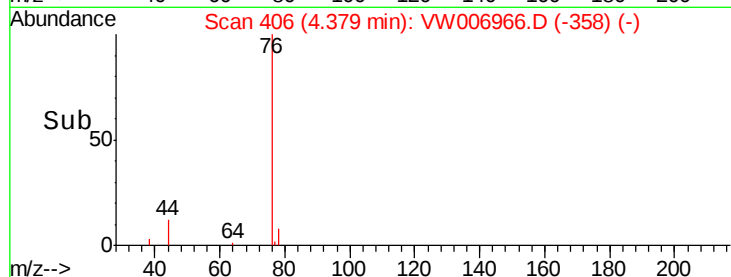
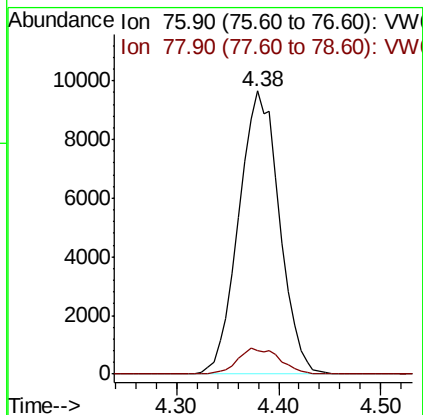
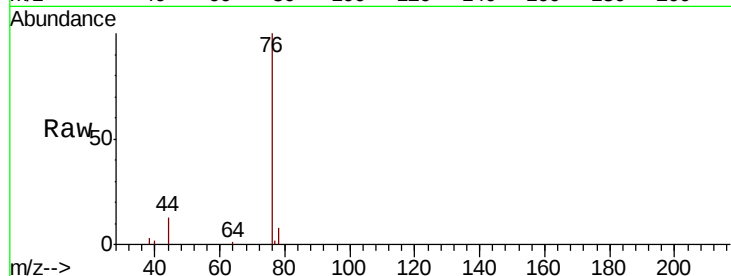
20180925-WCC-1-COMPOSITE

Tot Ion: 76 Resp: 26760

Ion Ratio Lower Upper

76 100

78 8.3 7.1 10.7



#20

Methylene Chloride

Concen: 1.328 ug/l

RT: 4.92 min Scan# 495

Delta R.T. 0.00 min

Lab File: VW006966.D

Acq: 20 Nov 2018 01:39

Tgt Ion: 84 Resp: 5295

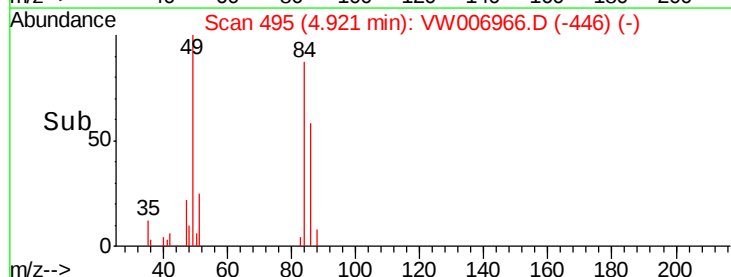
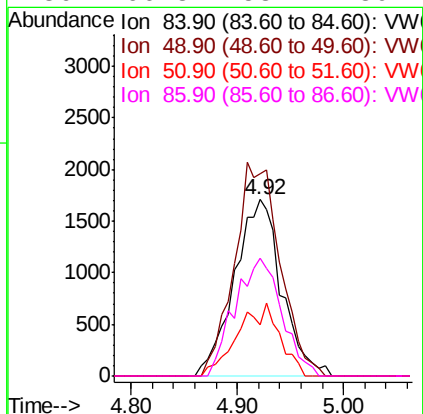
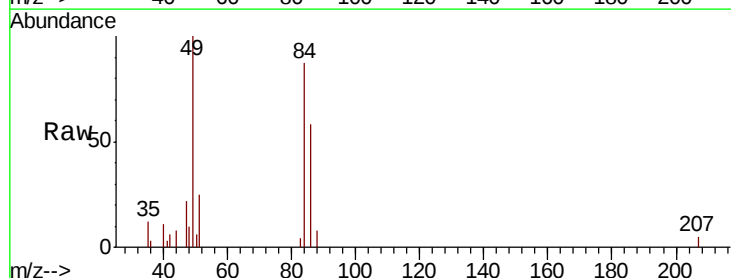
Ion Ratio Lower Upper

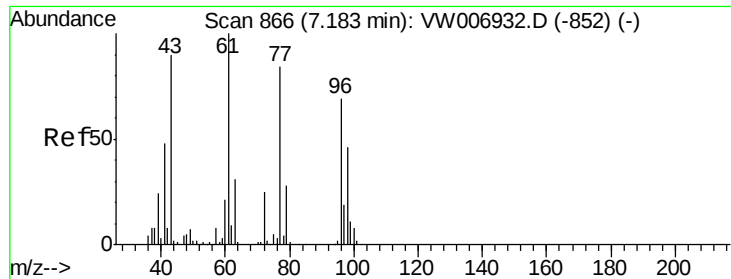
84 100

49 114.6 95.4 143.2

51 28.9 29.5 44.3#

86 66.8 53.4 80.2





#25

2-Butanone

Concen: 9.668 ug/l

RT: 7.18 min Scan# 866

Delta R.T. -0.00 min

Lab File: VW006966.D

Acq: 20 Nov 2018 01:39

Instrument :

MSVOA_W

ClientSampleId :

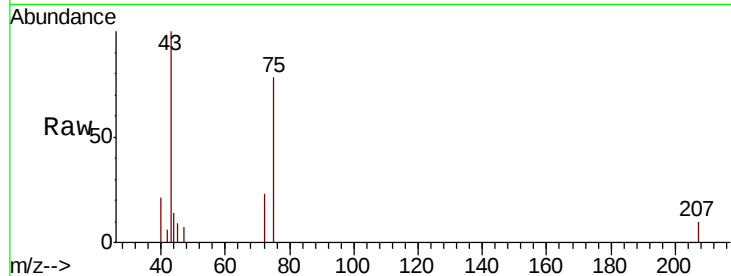
20180925-WCC-1-COMPOSITE

Tot Ion: 43 Resp: 2676

Ion Ratio Lower Upper

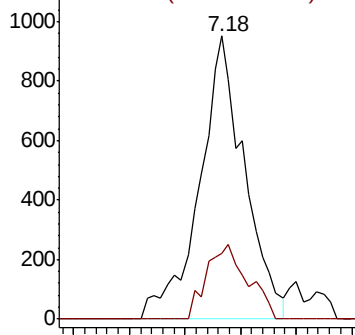
43 100

72 23.3 22.1 33.1

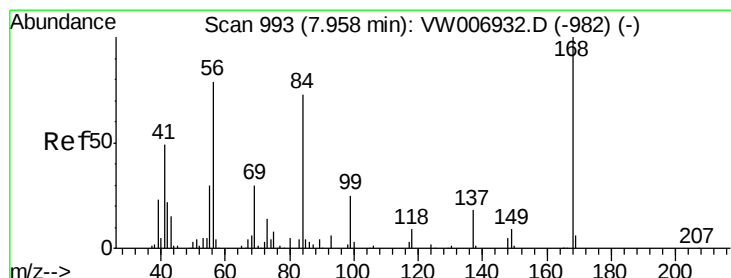
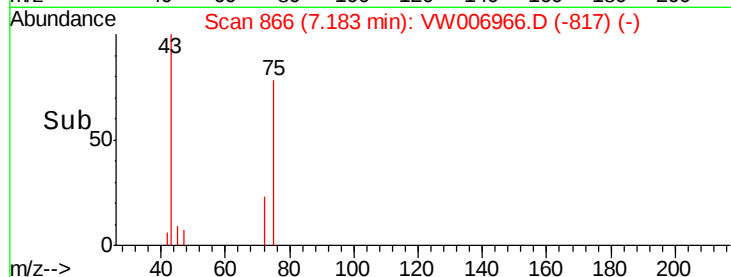


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



Time-->



#31

Cyclohexane

Concen: 1.120 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW006966.D

Acq: 20 Nov 2018 01:39

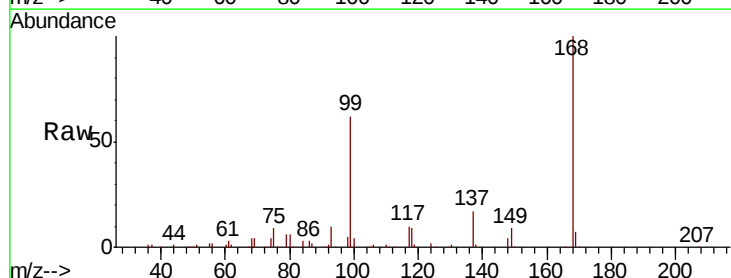
Tgt Ion: 56 Resp: 2089

Ion Ratio Lower Upper

56 100

69 148.3 30.2 45.2#

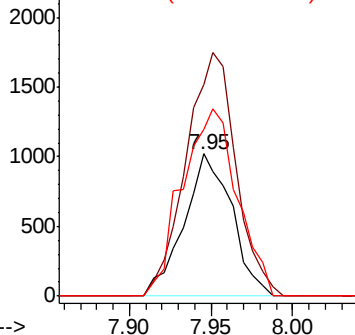
84 117.5 73.6 110.4#



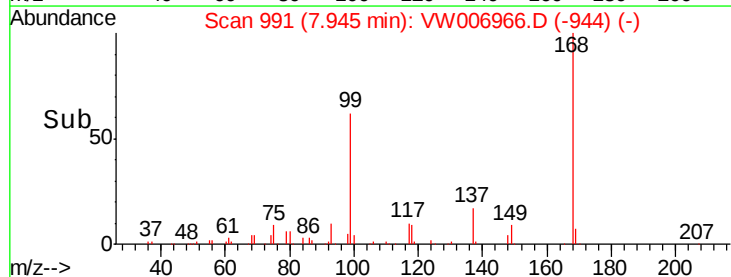
Abundance Ion 56.00 (55.70 to 56.70): VW

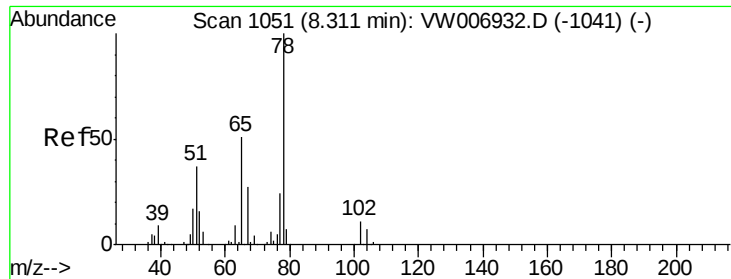
Ion 69.00 (68.70 to 69.70): VW

Ion 84.00 (83.70 to 84.70): VW



Time-->





#33

1,2-Dichloroethane-d4

Concen: 48.125 ug/l

RT: 8.31 min Scan# 1051

Delta R.T. -0.00 min

Lab File: VW006966.D

Acq: 20 Nov 2018 01:39

Instrument :

MSVOA_W

ClientSampleId :

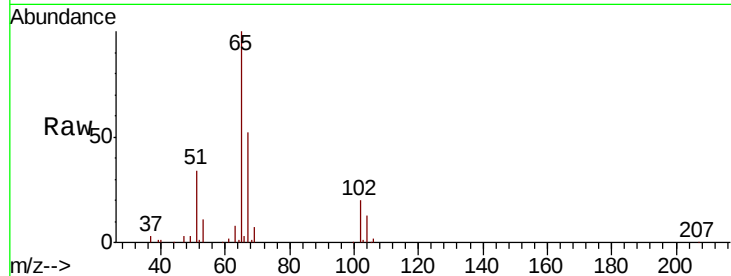
20180925-WCC-1-COMPOSITE

Tot Ion: 65 Resp: 52436

Ion Ratio Lower Upper

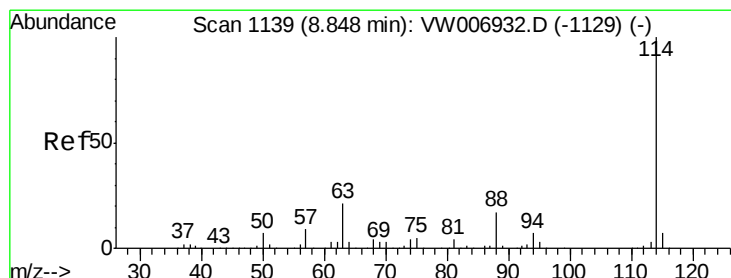
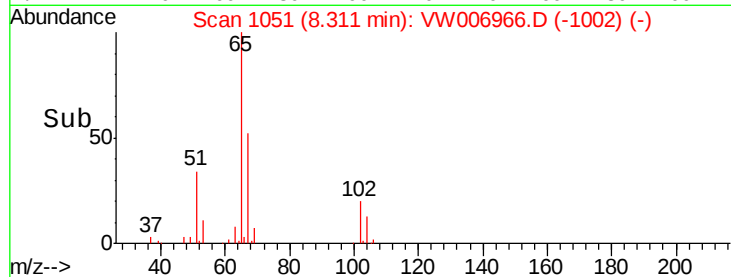
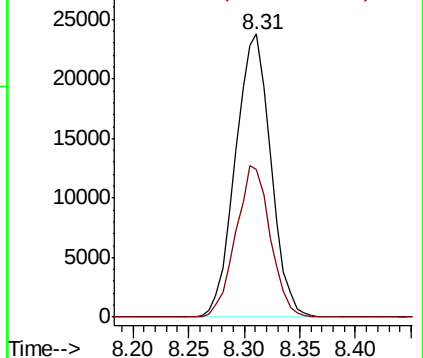
65 100

67 52.0 0.0 104.0



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: 8.84 min Scan# 1138

Delta R.T. -0.01 min

Lab File: VW006966.D

Acq: 20 Nov 2018 01:39

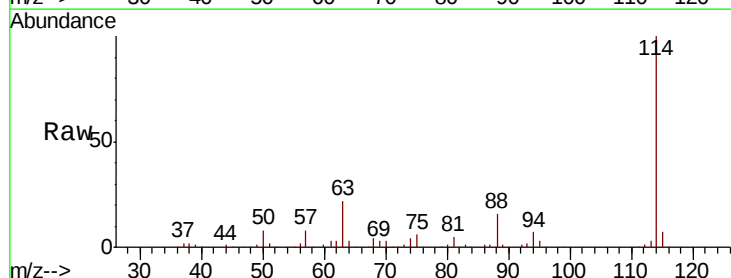
Tgt Ion: 114 Resp: 153119

Ion Ratio Lower Upper

114 100

63 21.9 0.0 42.2

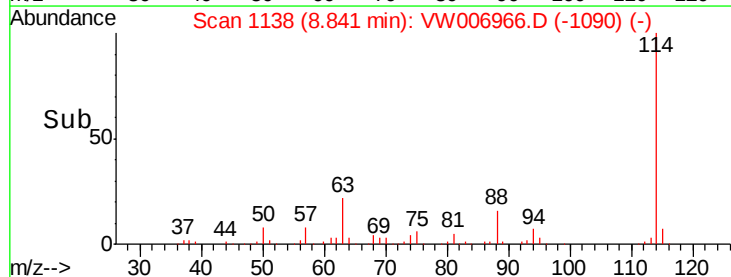
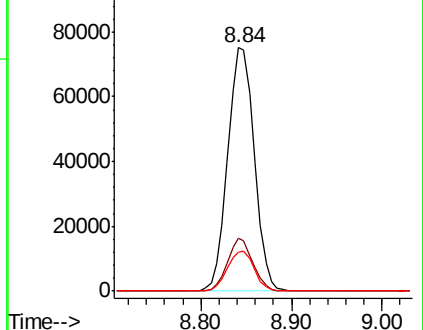
88 16.0 0.0 33.4

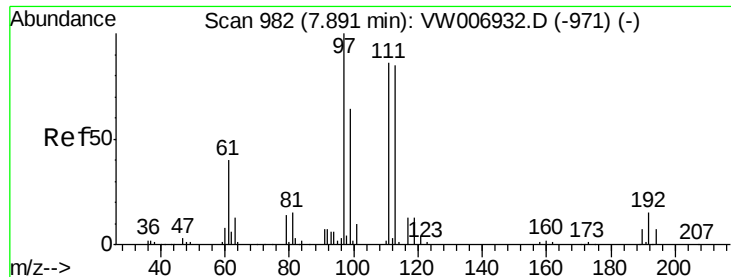


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW

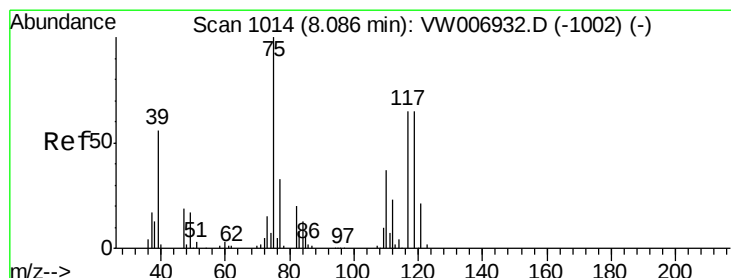
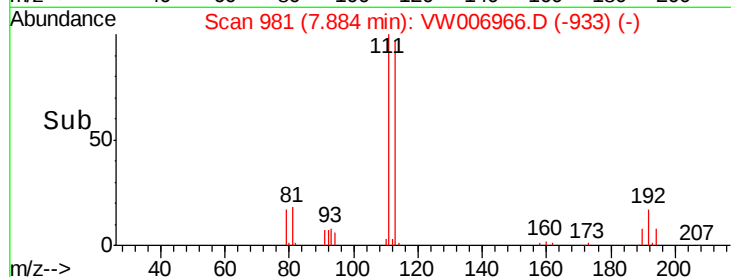
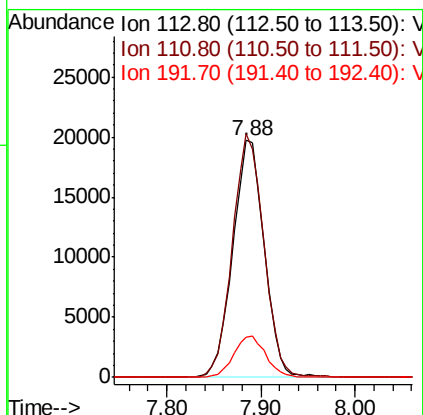
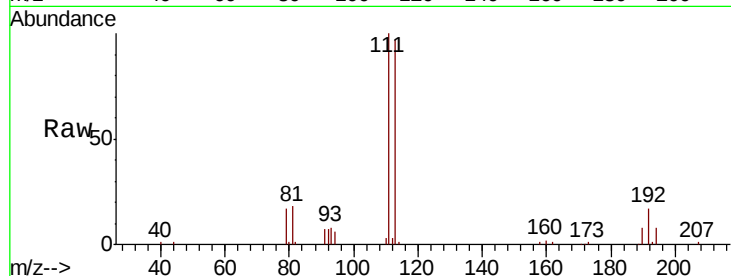




#35
 Dibromofluoromethane
 Concen: 50.926 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.01 min
 Lab File: VW006966.D
 Acq: 20 Nov 2018 01:39

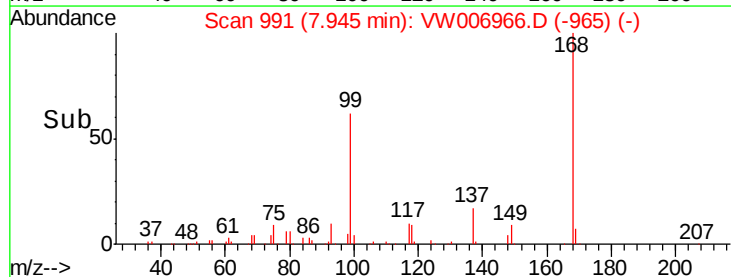
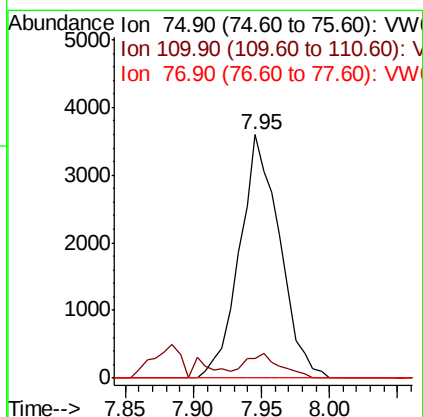
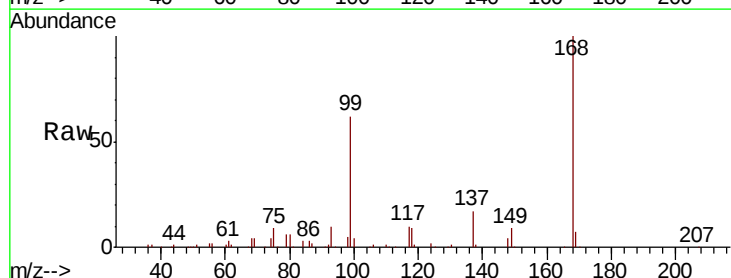
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 20180925-WCC-1-COMPOSITE

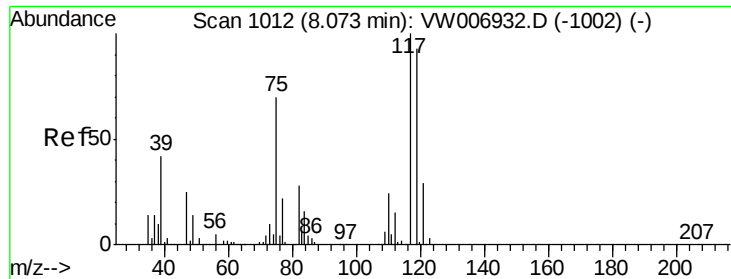
Tot Ion:113 Resp: 45658
 Ion Ratio Lower Upper
 113 100
 111 102.5 81.7 122.5
 192 17.7 13.9 20.9



#36
 1,1-Dichloropropene
 Concen: 5.058 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.14 min
 Lab File: VW006966.D
 Acq: 20 Nov 2018 01:39

Tgt Ion: 75 Resp: 7378
 Ion Ratio Lower Upper
 75 100
 110 9.0 18.1 54.1#
 77 0.0 25.4 38.0#

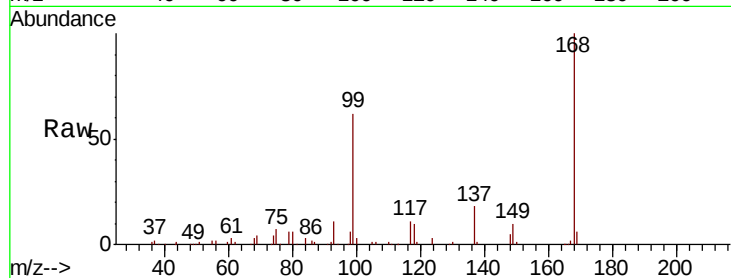




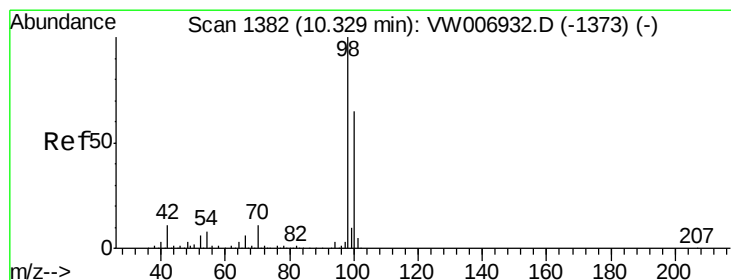
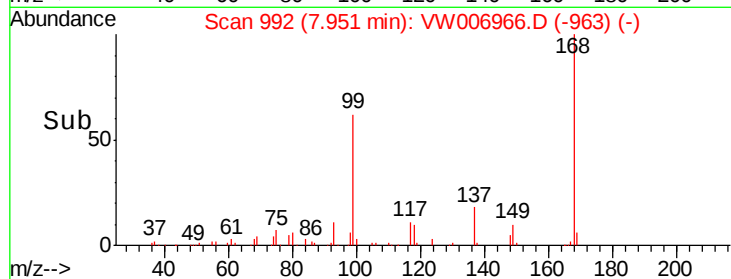
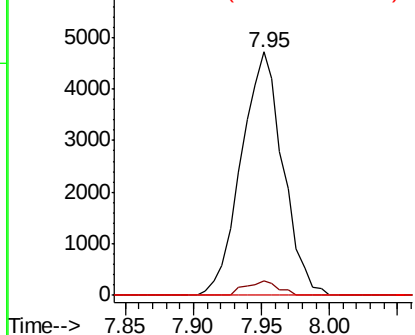
#38
Carbon Tetrachloride
Concen: 7.050 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.12 min
Lab File: VW006966.D
Acq: 20 Nov 2018 01:39

Instrument :
MSVOA_W
ClientSampleId :
20180925-WCC-1-COMPOSITE

Tot Ion:117 Resp: 10107
Ion Ratio Lower Upper
117 100
119 6.1 74.2 111.4#
121 0.0 23.5 35.3#

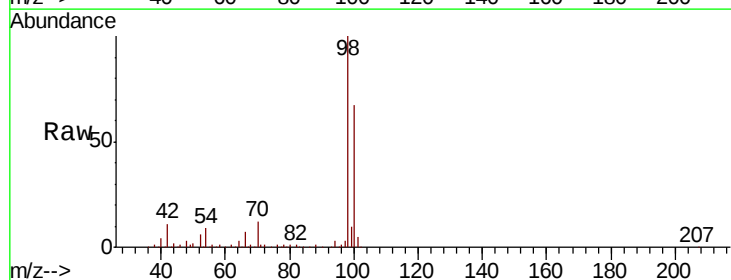


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

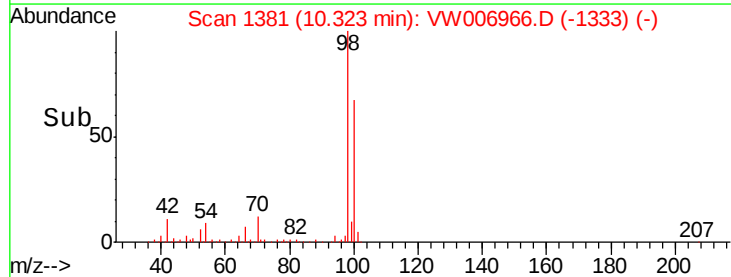
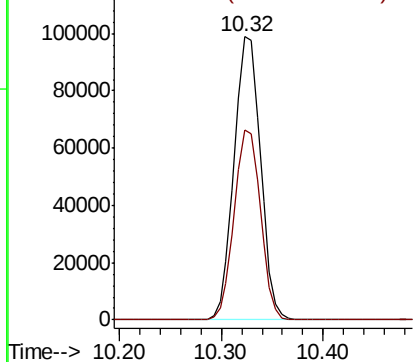


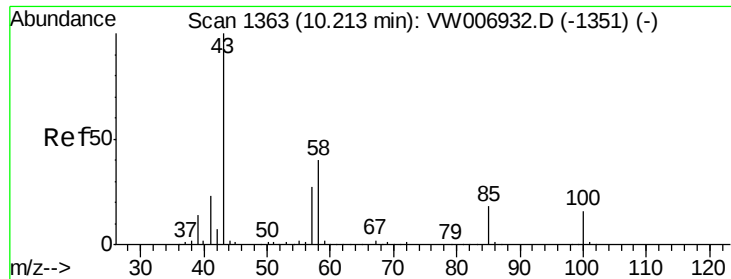
#50
Toluene-d8
Concen: 46.165 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.01 min
Lab File: VW006966.D
Acq: 20 Nov 2018 01:39

Tgt Ion: 98 Resp: 177867
Ion Ratio Lower Upper
98 100
100 66.6 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: 1.260 ug/l

RT: 10.26 min Scan# 1370

Delta R.T. 0.04 min

Lab File: VW006966.D

Acq: 20 Nov 2018 01:39

Instrument :

MSVOA_W

ClientSampleId :

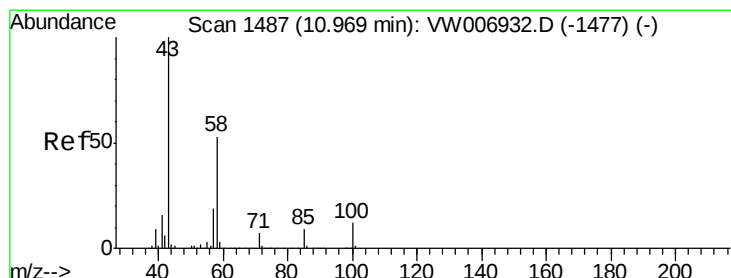
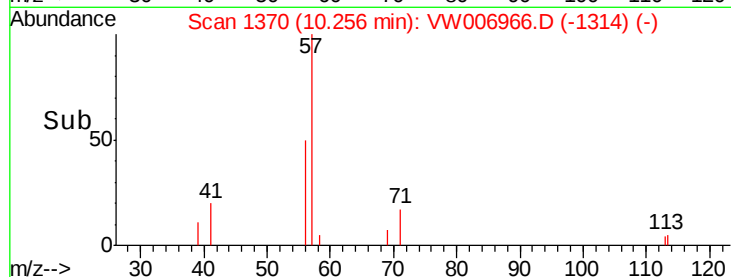
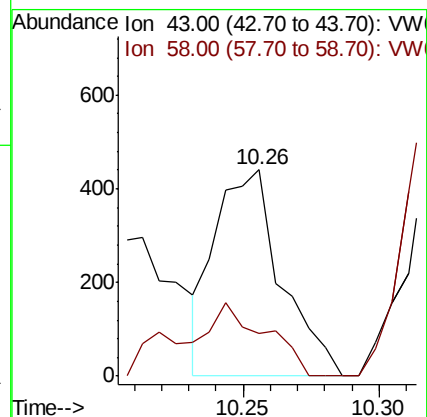
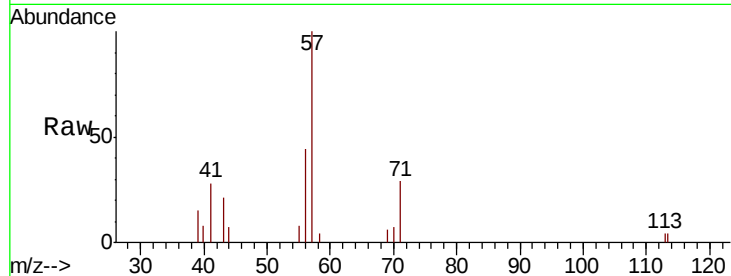
20180925-WCC-1-COMPOSITE

Tot Ion: 43 Resp: 739

Ion Ratio Lower Upper

43 100

58 33.6 31.0 46.4



#59

2-Hexanone

Concen: 1.704 ug/l

RT: 10.94 min Scan# 1482

Delta R.T. -0.03 min

Lab File: VW006966.D

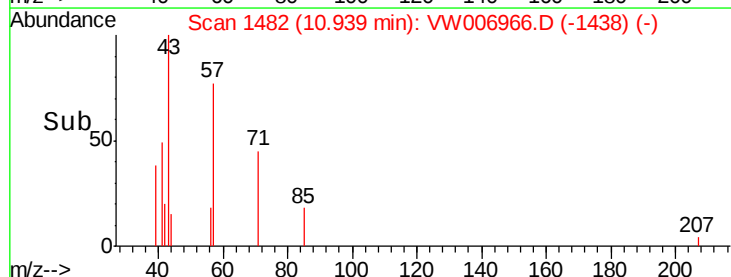
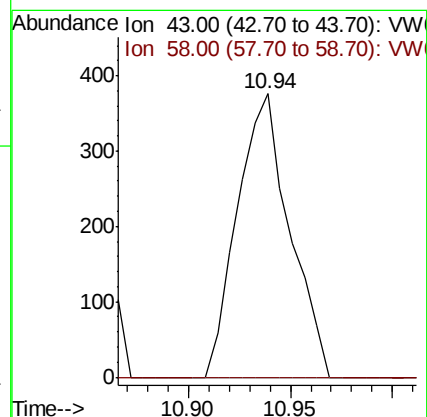
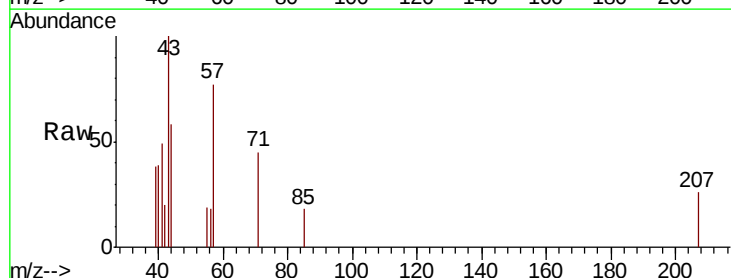
Acq: 20 Nov 2018 01:39

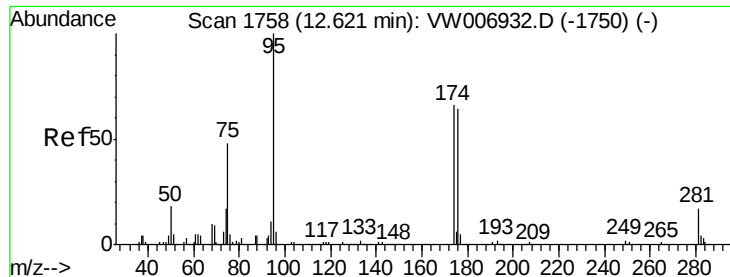
Tgt Ion: 43 Resp: 669

Ion Ratio Lower Upper

43 100

58 0.0 26.8 80.4#





#62

4-Bromofluorobenzene

Concen: 40.537 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW006966.D

Acq: 20 Nov 2018 01:39

Instrument :

MSVOA_W

ClientSampleId :

20180925-WCC-1-COMPOSITE

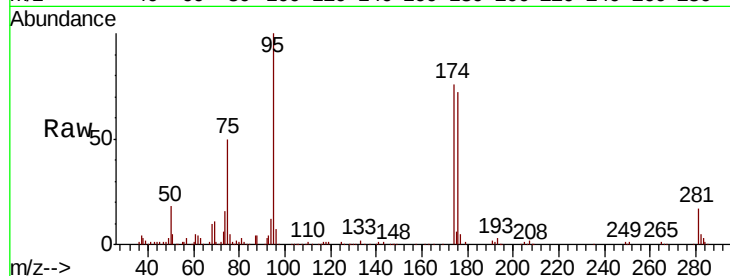
Tot Ion: 95 Resp: 60900

Ion Ratio Lower Upper

95 100

174 74.9 0.0 138.4

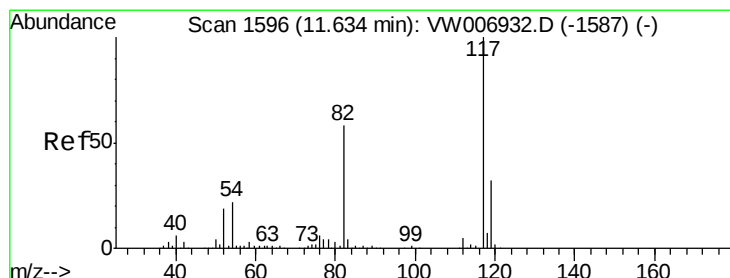
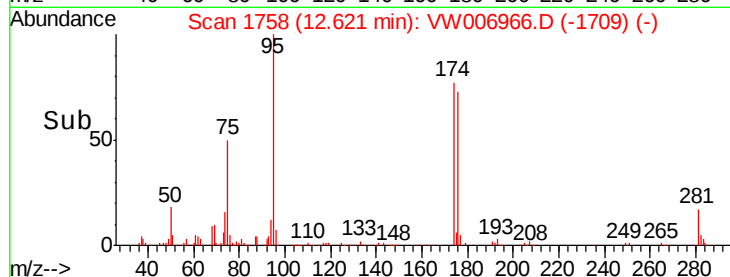
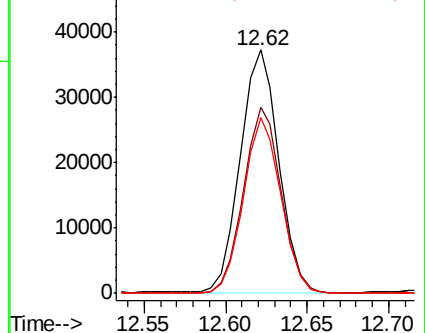
176 70.6 0.0 133.4



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: 50.000 ug/l

RT: 11.63 min Scan# 1596

Delta R.T. -0.00 min

Lab File: VW006966.D

Acq: 20 Nov 2018 01:39

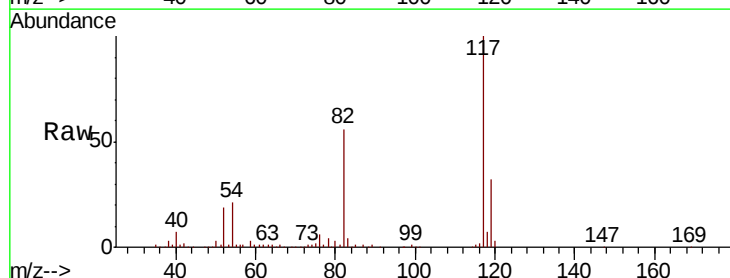
Tgt Ion: 117 Resp: 131857

Ion Ratio Lower Upper

117 100

82 56.0 46.2 69.2

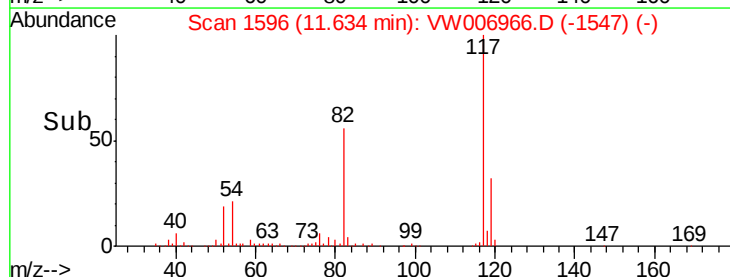
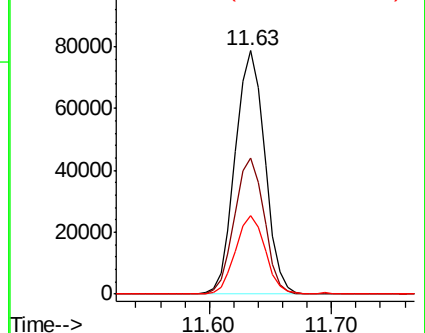
119 32.0 25.5 38.3

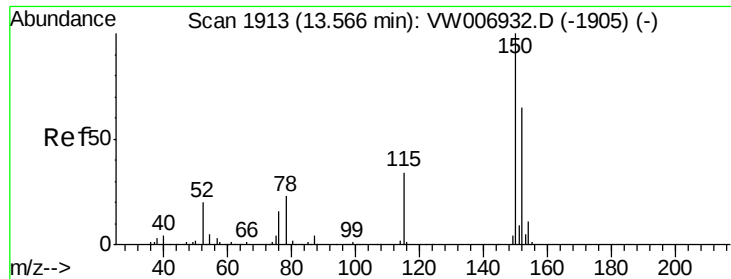


Abundance Ion 116.90 (116.60 to 117.60): VW

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.01 min

Lab File: VW006966.D

Acq: 20 Nov 2018 01:39

Instrument :

MSVOA_W

ClientSampleId :

20180925-WCC-1-COMPOSITE

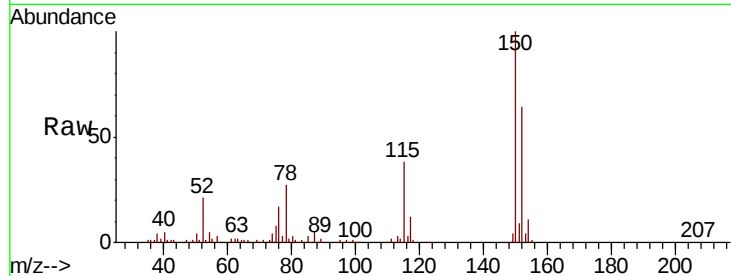
Tot Ion:152 Resp: 47164

Ion Ratio Lower Upper

152 100

115 61.4 31.6 94.7

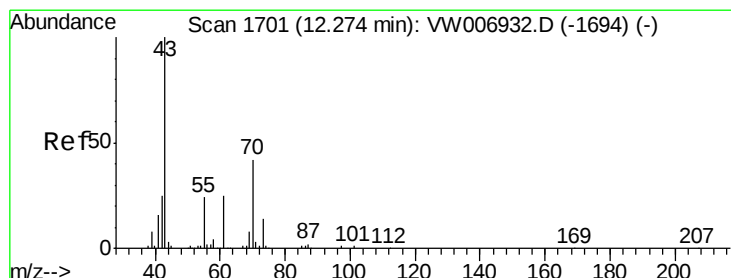
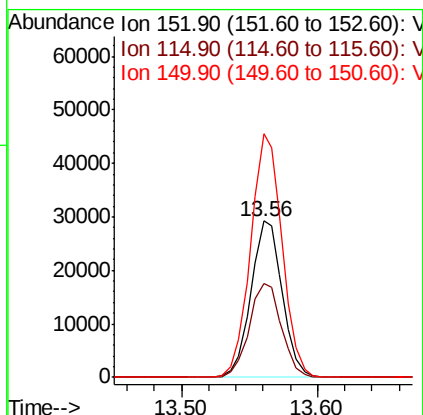
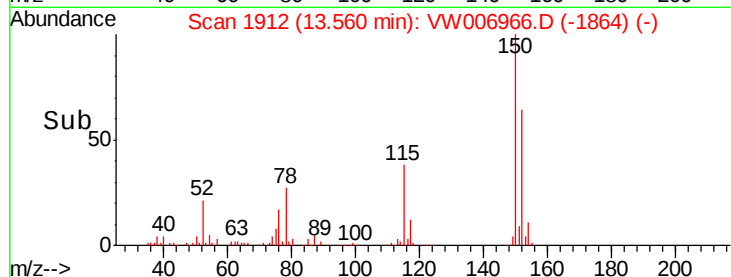
150 155.8 0.0 350.0



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



#74

N-ethyl acetate

Concen: 1.363 ug/l

RT: 12.26 min Scan# 1698

Delta R.T. -0.02 min

Lab File: VW006966.D

Acq: 20 Nov 2018 01:39

Tgt Ion: 43 Resp: 1019

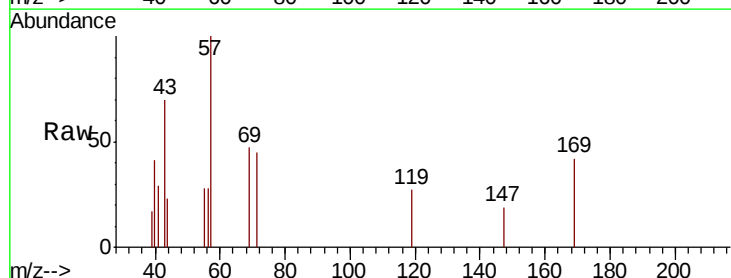
Ion Ratio Lower Upper

43 100

70 2.6 34.2 51.4#

55 0.0 19.5 29.3#

61 0.0 19.7 29.5#

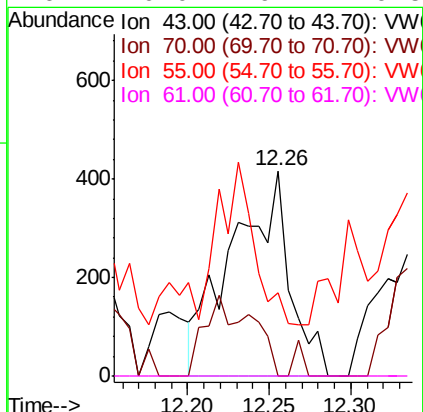
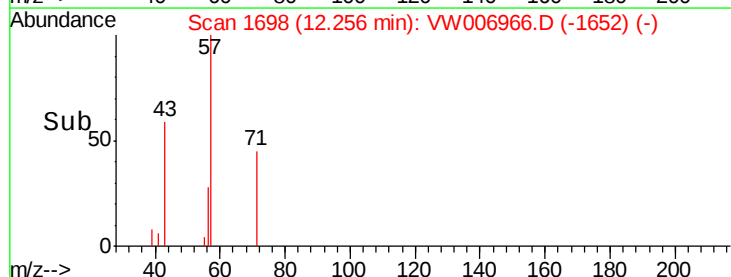


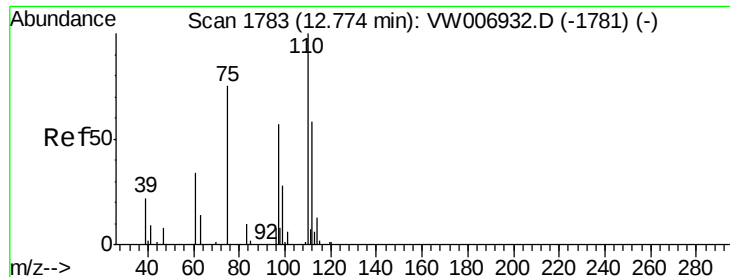
Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW

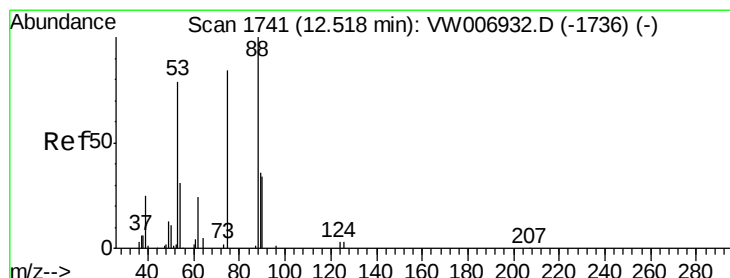
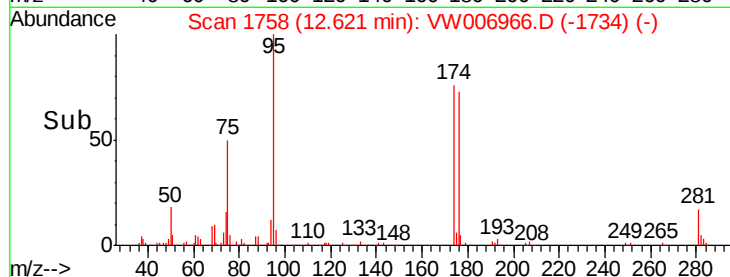
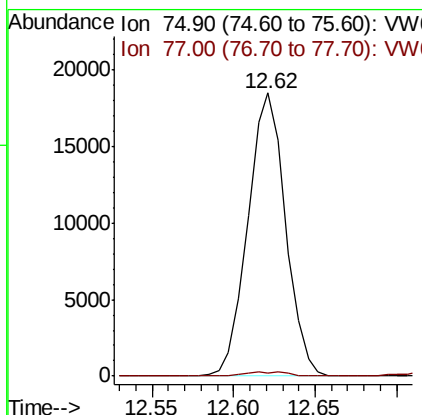
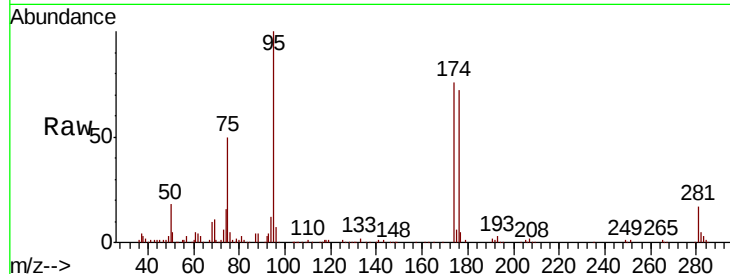




#76
 1,2,3-Trichloropropane
 Concen: 78.199 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.15 min
 Lab File: VW006966.D
 Acq: 20 Nov 2018 01:39

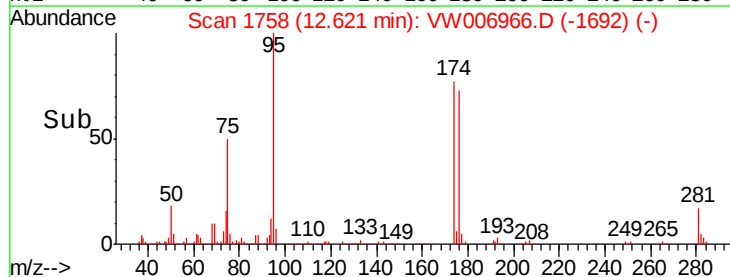
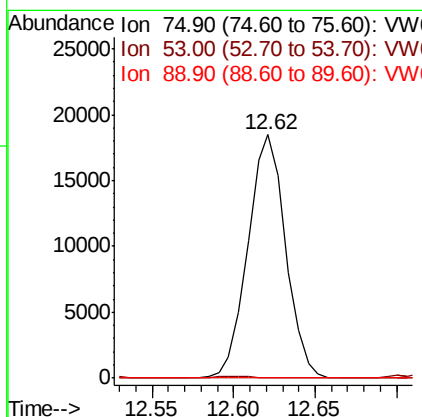
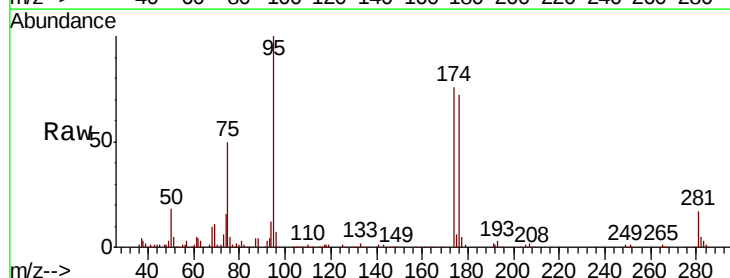
Instrument :
 MSVOA_W
 ClientSampleId :
 20180925-WCC-1-COMPOSITE

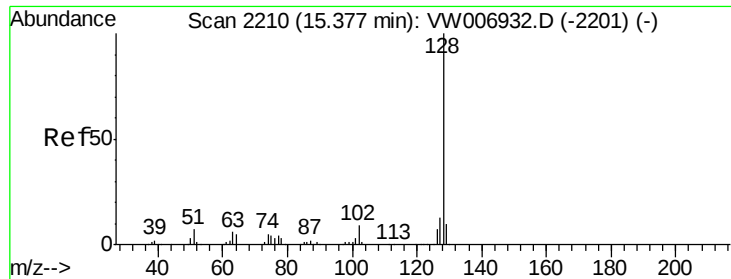
Tot Ion: 75 Resp: 29639
 Ion Ratio Lower Upper
 75 100
 77 1.8 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 178.009 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.10 min
 Lab File: VW006966.D
 Acq: 20 Nov 2018 01:39

Tgt Ion: 75 Resp: 29639
 Ion Ratio Lower Upper
 75 100
 53 0.0 79.3 118.9#
 89 0.0 39.5 59.3#

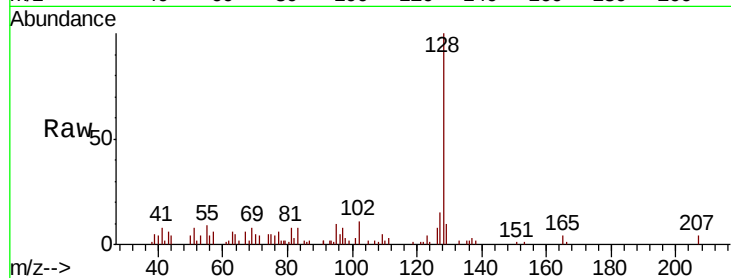




#95
Naphthalene
Concen: 6.086 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. -0.00 min
Lab File: VW006966.D
Acq: 20 Nov 2018 01:39

Instrument :
MSVOA_W
ClientSampleId :
20180925-WCC-1-COMPOSITE

Tot Ion	Ratio	Lower	Upper
128	100		
127	16.5	10.6	15.8#
129	13.2	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

