

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW071618\
 Data File : VW003967.D
 Acq On : 16 Jul 2018 22:20
 Operator : VA/AP
 Sample : J3829-05
 Misc : 6.77G/5ML/MSVOA W/SOIL
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jul 17 05:52:54 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

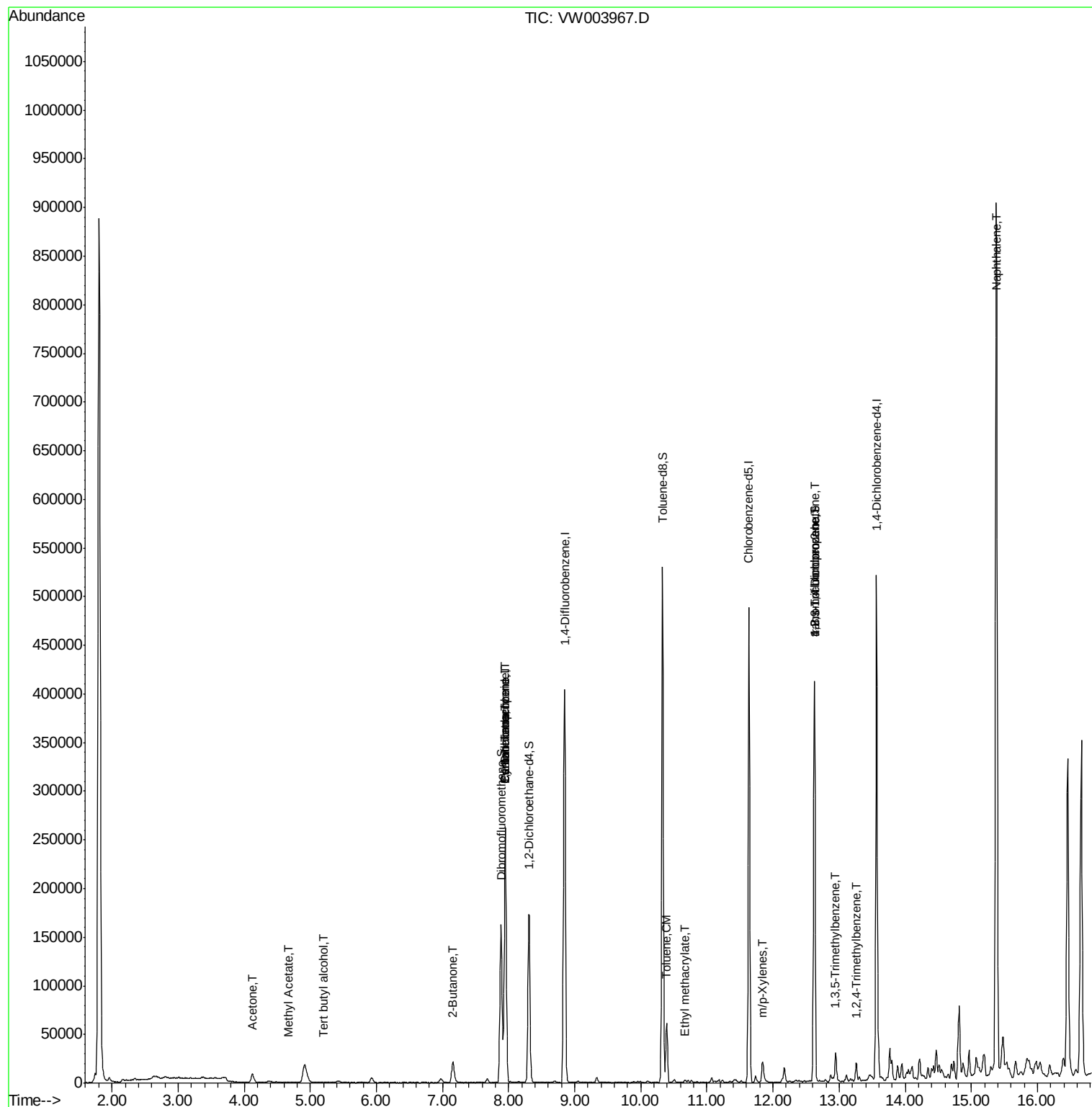
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	187867	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	326878	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	261579	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	128098	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	136625	65.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	130.12%	
35) Dibromofluoromethane	7.88	113	114045	54.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.76%	
50) Toluene-d8	10.33	98	335998	41.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	82.58%	
62) 4-Bromofluorobenzene	12.62	95	132449	45.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.26%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.20	59	1309	9.030	ug/l #	72
16) Acetone	4.13	43	15847	31.404	ug/l	90
18) Methyl Acetate	4.67	43	1274	1.052	ug/l #	83
20) Methylene Chloride	4.91	84	17485	Below Cal		98
25) 2-Butanone	7.15	43	1480	2.179	ug/l #	51
31) Cyclohexane	7.95	56	5543	1.591	ug/l #	44
36) 1,1-Dichloropropene	7.95	75	15798	4.697	ug/l #	50
38) Carbon Tetrachloride	7.95	117	18928	6.023	ug/l #	18
52) Toluene	10.39	92	24043	4.167	ug/l	98
56) Ethyl methacrylate	10.68	69	250	3.041	ug/l #	1
68) m/p-Xylenes	11.84	106	5328	1.427	ug/l	98
76) 1,2,3-Trichloropropane	12.62	75	70036	55.072	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.95	105	10507	1.379	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.62	75	70036	121.818	ug/l #	11
84) 1,2,4-Trimethylbenzene	13.26	105	9958	1.271	ug/l	99
95) Naphthalene	15.38	128	745905	149.292	ug/l	100

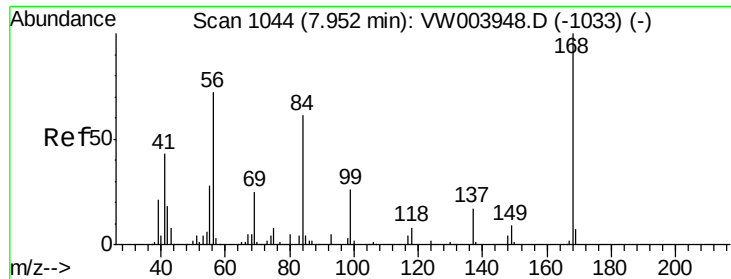
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW071618\
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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: VW003967.D

Acq: 16 Jul 2018 22:20

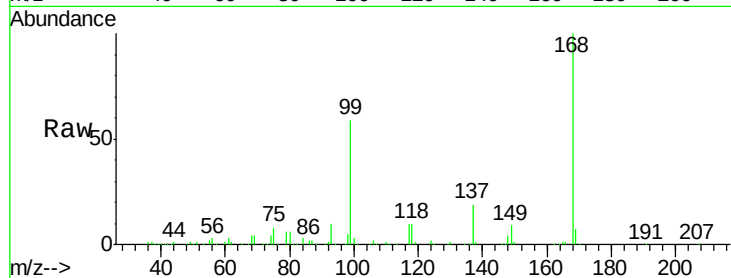
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:168 Resp: 187867

Ion Ratio Lower Upper

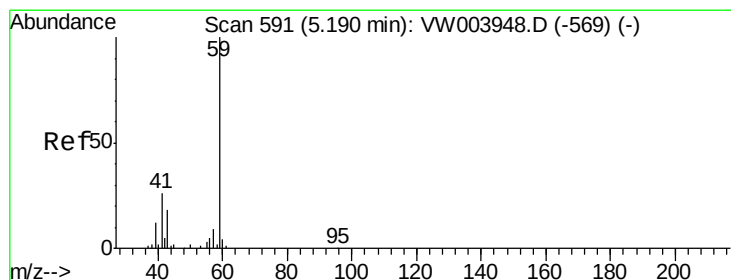
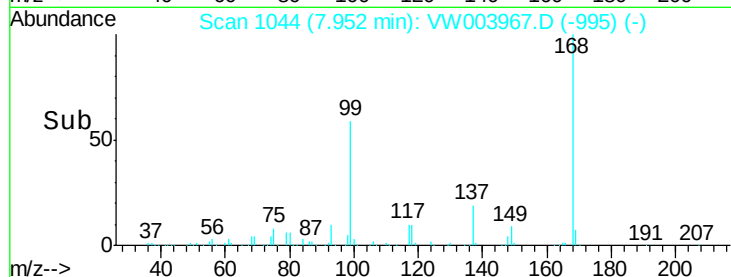
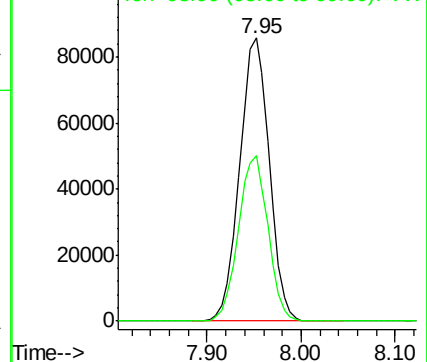
168 100

99 58.6 43.8 65.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: 9.030 ug/l

RT: 5.20 min Scan# 592

Delta R.T. 0.01 min

Lab File: VW003967.D

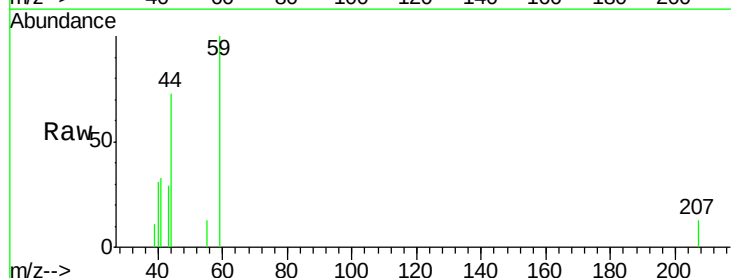
Acq: 16 Jul 2018 22:20

Tgt Ion: 59 Resp: 1309

Ion Ratio Lower Upper

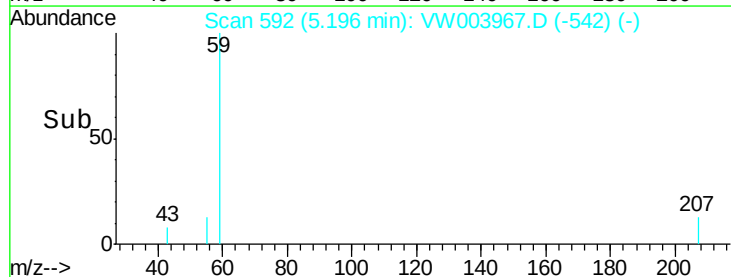
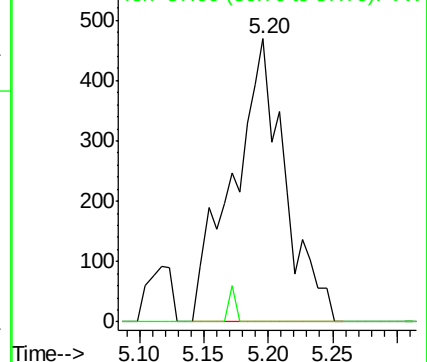
59 100

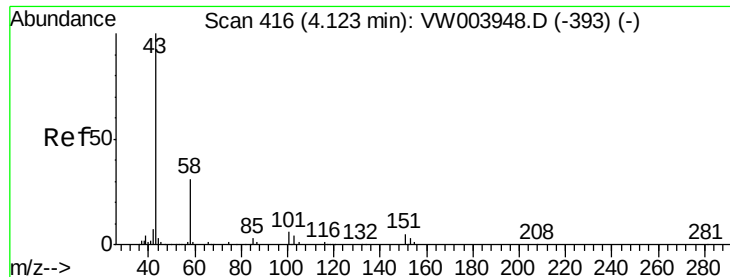
57 0.0 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#16

Acetone

Concen: 31.404 ug/l

RT: 4.13 min Scan# 417

Delta R.T. 0.01 min

Lab File: VW003967.D

Acq: 16 Jul 2018 22:20

Instrument :

MSVOA_W

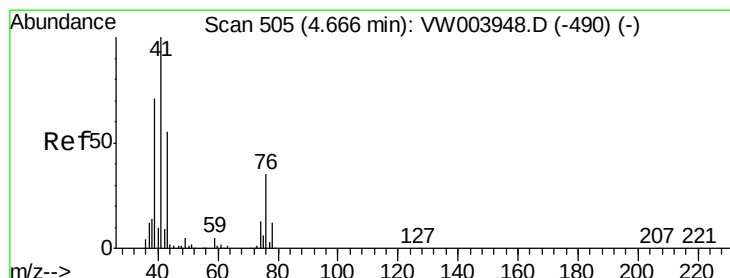
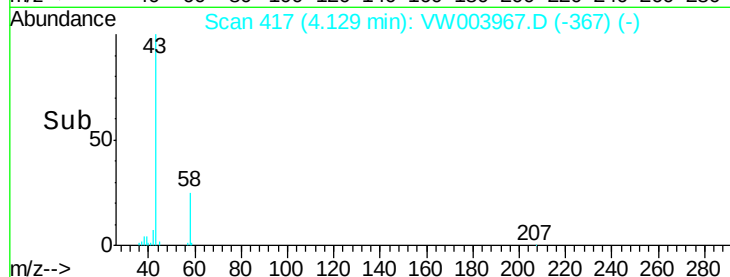
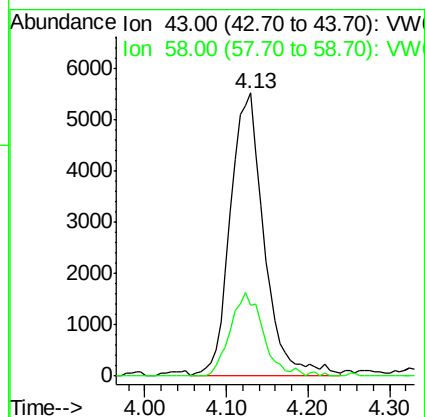
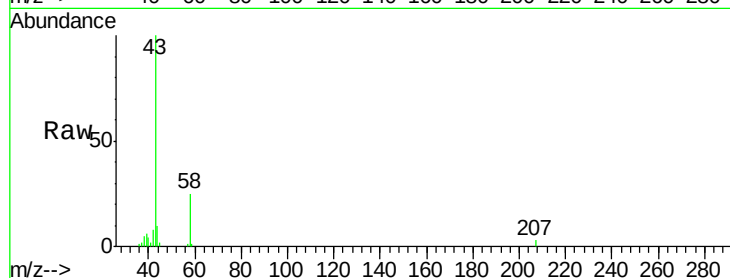
ClientSampled :

Tot Ion: 43 Resp: 15847

Ion Ratio Lower Upper

43 100

58 25.0 24.5 36.7



#18

Methyl Acetate

Concen: 1.052 ug/l

RT: 4.67 min Scan# 505

Delta R.T. 0.00 min

Lab File: VW003967.D

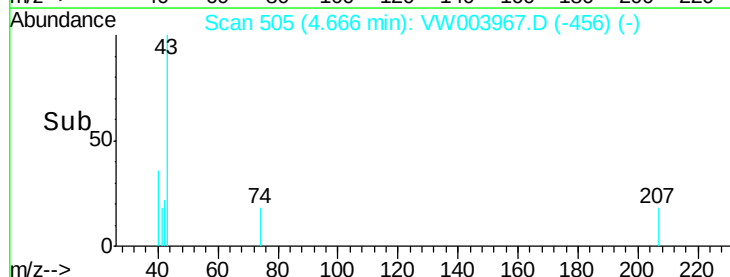
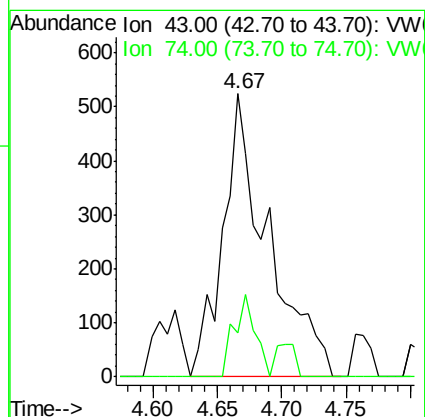
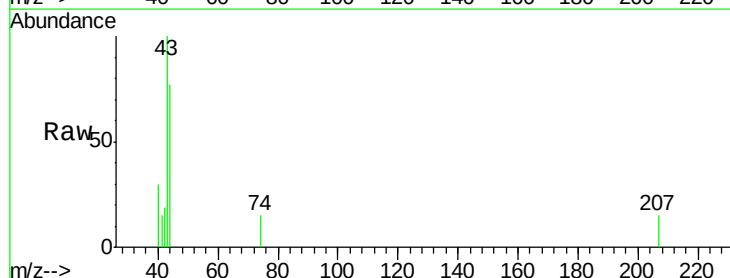
Acq: 16 Jul 2018 22:20

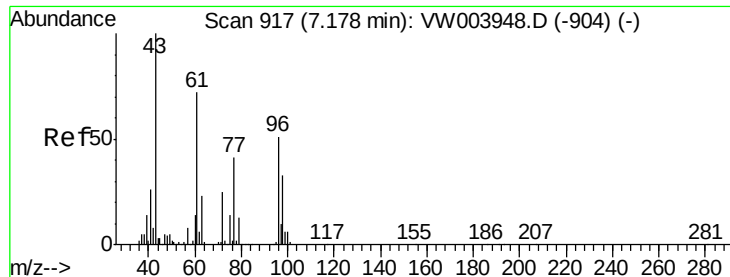
Tgt Ion: 43 Resp: 1274

Ion Ratio Lower Upper

43 100

74 13.8 17.7 26.5#

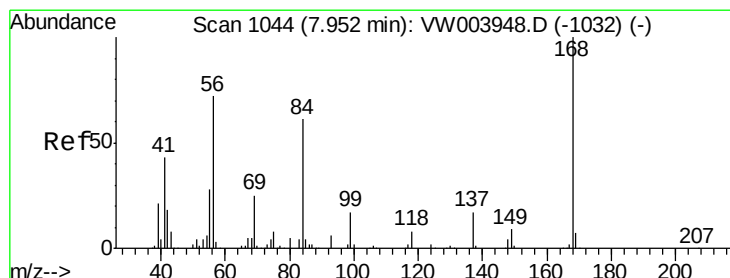
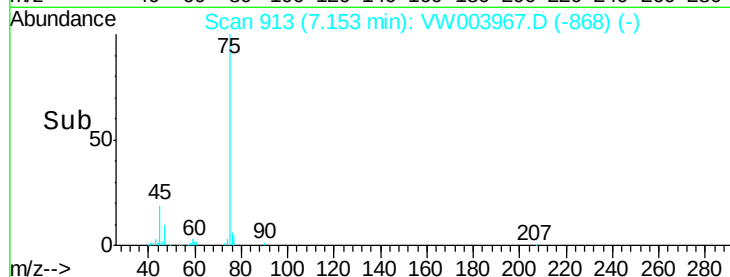
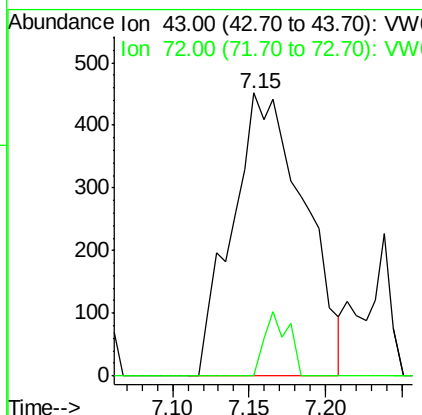
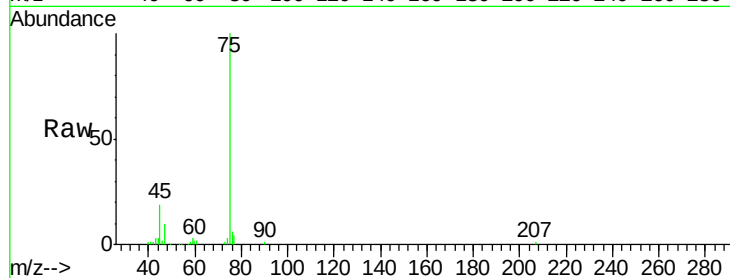




#25
2-Butanone
Concen: 2.179 ug/l
RT: 7.15 min Scan# 913
Delta R.T. -0.02 min
Lab File: VW003967.D
Acq: 16 Jul 2018 22:20

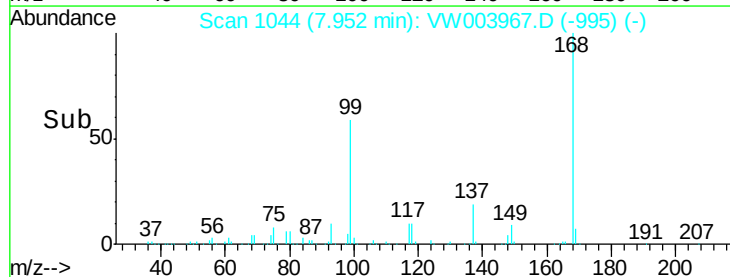
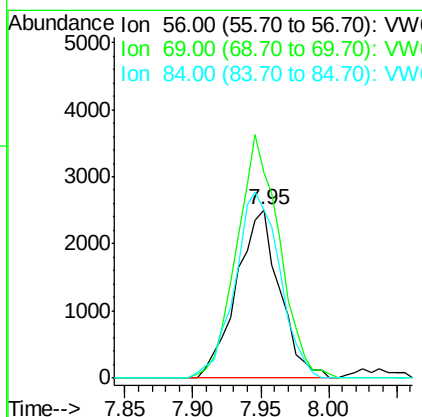
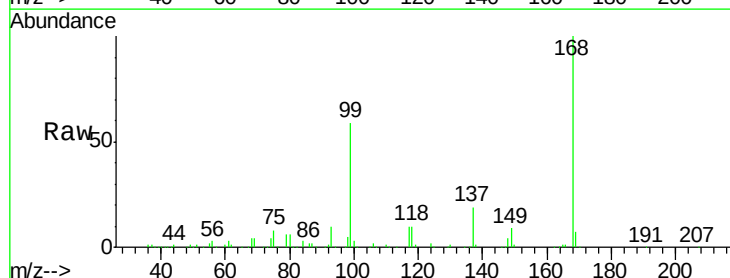
Instrument :
MSVOA_W
ClientSampled :

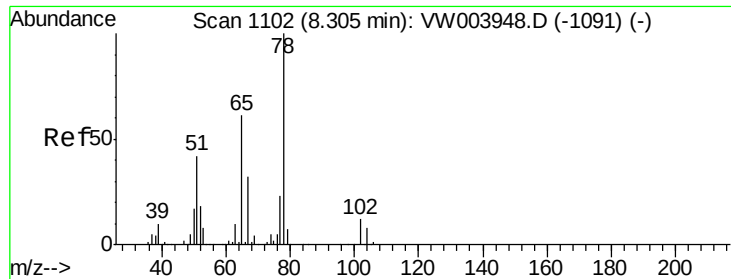
Tot Ion: 43 Resp: 1480
Ion Ratio Lower Upper
43 100
72 0.0 19.8 29.6#



#31
Cyclohexane
Concen: 1.591 ug/l
RT: 7.95 min Scan# 1044
Delta R.T. 0.00 min
Lab File: VW003967.D
Acq: 16 Jul 2018 22:20

Tgt Ion: 56 Resp: 5543
Ion Ratio Lower Upper
56 100
69 122.1 27.8 41.8#
84 99.8 67.2 100.8

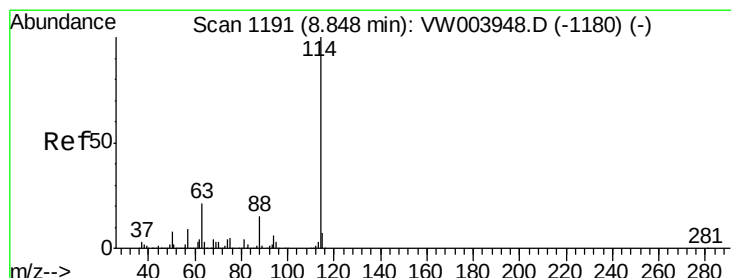
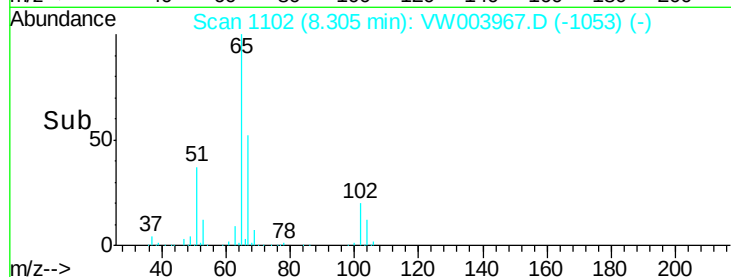
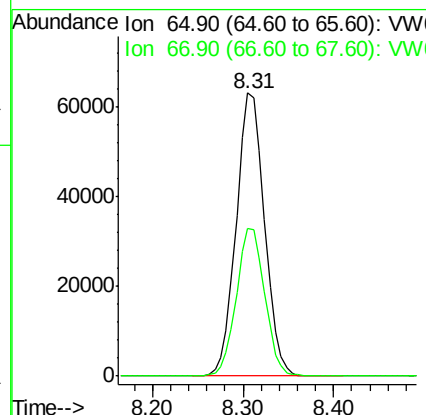
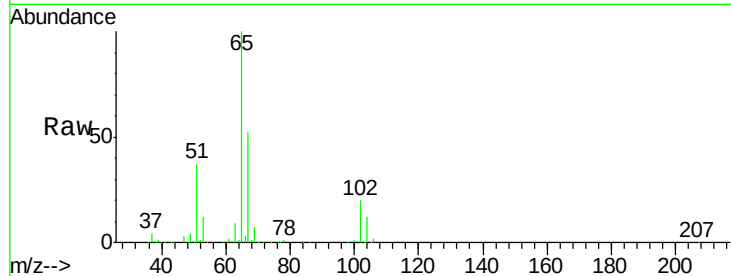




#33
 1,2-Dichloroethane-d4
 Concen: 65.060 ug/l
 RT: 8.31 min Scan# 1102
 Delta R.T. 0.00 min
 Lab File: VW003967.D
 Acq: 16 Jul 2018 22:20

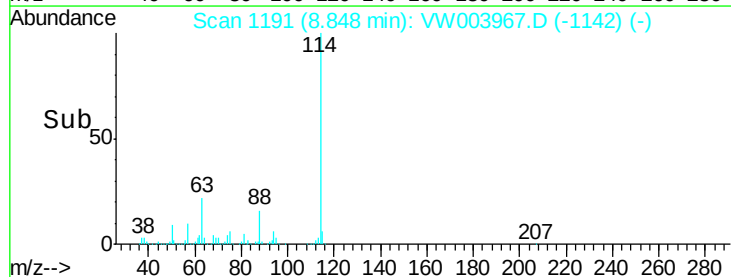
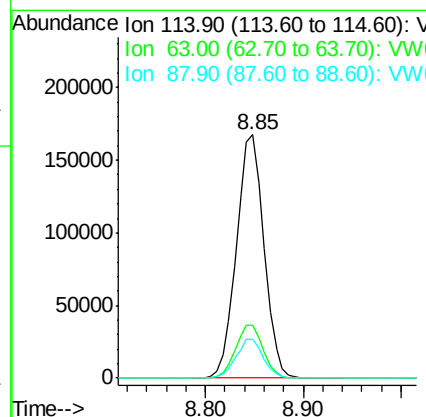
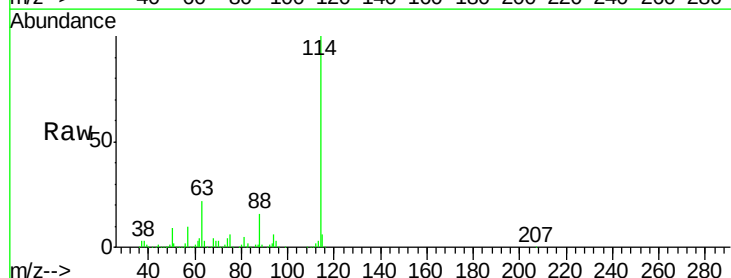
Instrument :
 MSVOA_W
 ClientSampleId :

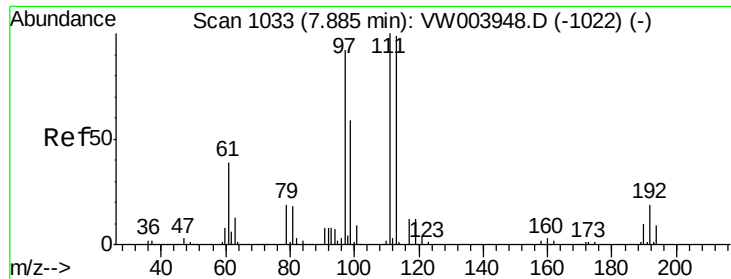
Tot Ion: 65 Resp: 136625
 Ion Ratio Lower Upper
 65 100
 67 52.4 0.0 105.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1191
 Delta R.T. 0.00 min
 Lab File: VW003967.D
 Acq: 16 Jul 2018 22:20

Tgt Ion: 114 Resp: 326878
 Ion Ratio Lower Upper
 114 100
 63 21.5 0.0 42.8
 88 16.0 0.0 30.4

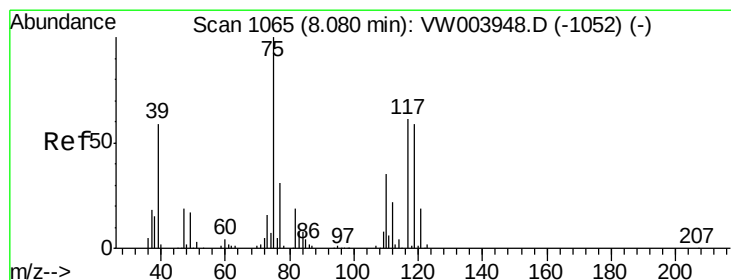
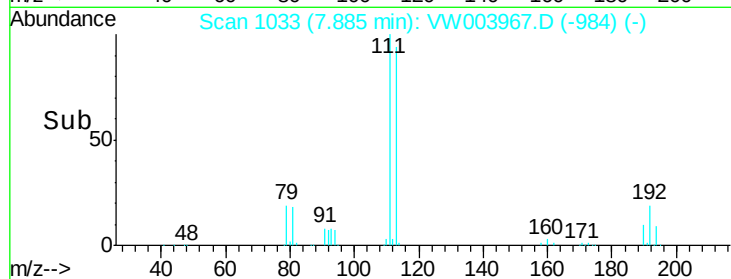
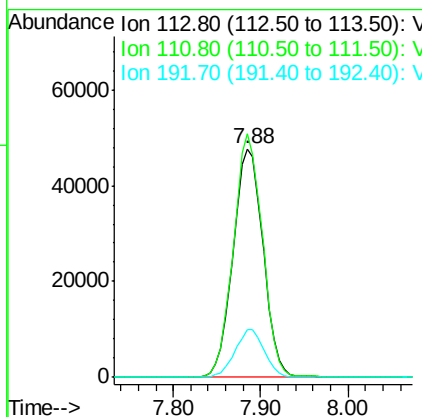
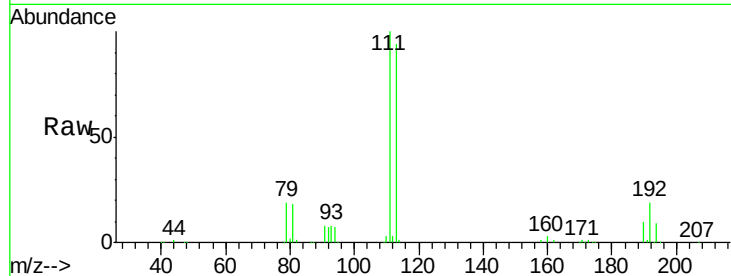




#35
 Dibromofluoromethane
 Concen: 54.376 ug/l
 RT: 7.88 min Scan# 1033
 Delta R.T. 0.00 min
 Lab File: VW003967.D
 Acq: 16 Jul 2018 22:20

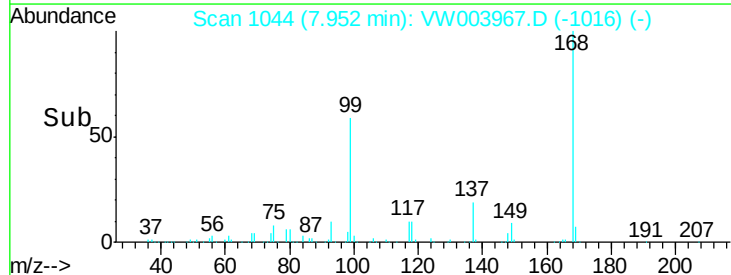
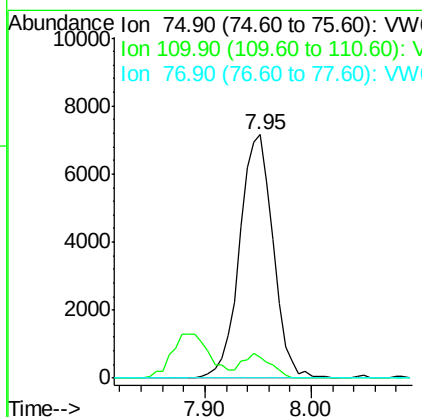
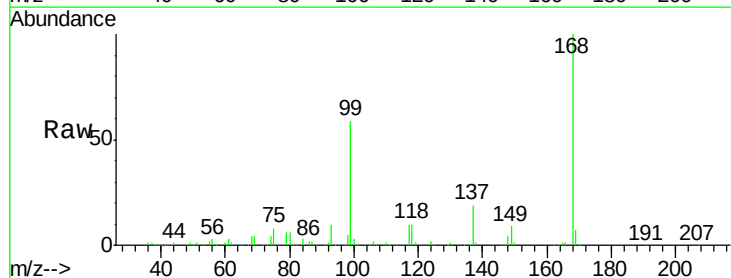
Instrument :
 MSVOA_W
 ClientSampleId :

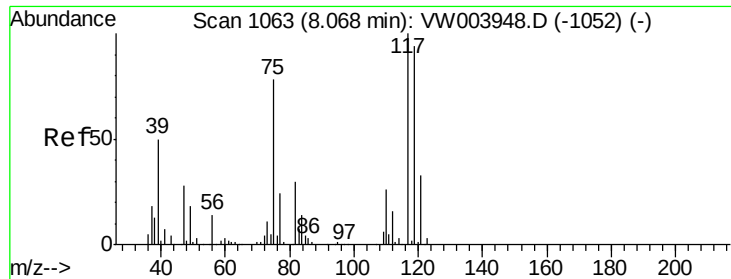
Tot Ion:113 Resp: 114045
 Ion Ratio Lower Upper
 113 100
 111 103.2 81.3 121.9
 192 20.5 15.8 23.6



#36
 1,1-Dichloropropene
 Concen: 4.697 ug/l
 RT: 7.95 min Scan# 1044
 Delta R.T. -0.13 min
 Lab File: VW003967.D
 Acq: 16 Jul 2018 22:20

Tgt Ion: 75 Resp: 15798
 Ion Ratio Lower Upper
 75 100
 110 8.9 17.0 51.0#
 77 0.0 24.9 37.3#

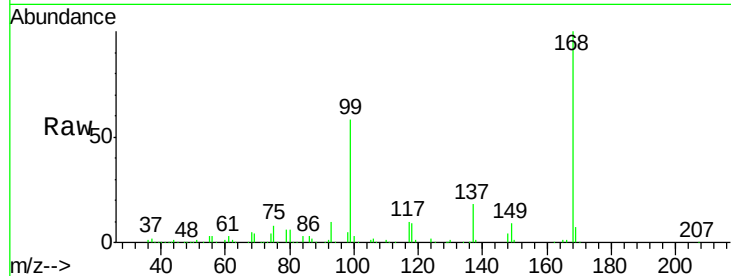




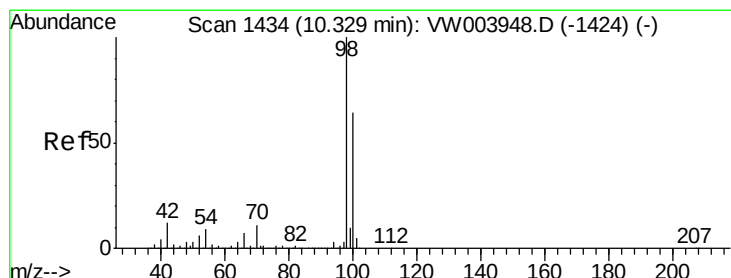
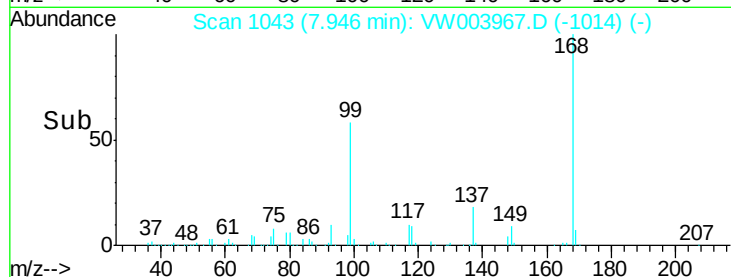
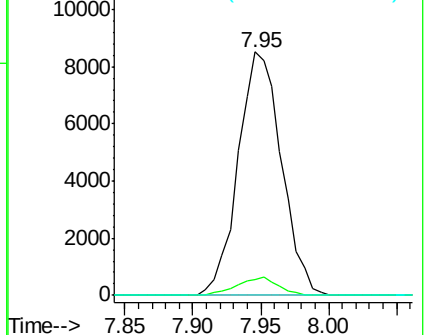
#38
Carbon Tetrachloride
Concen: 6.023 ug/l
RT: 7.95 min Scan# 1043
Delta R.T. -0.12 min
Lab File: VW003967.D
Acq: 16 Jul 2018 22:20

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:117 Resp: 18928
Ion Ratio Lower Upper
117 100
119 6.3 75.3 112.9#
121 0.0 26.0 39.0#

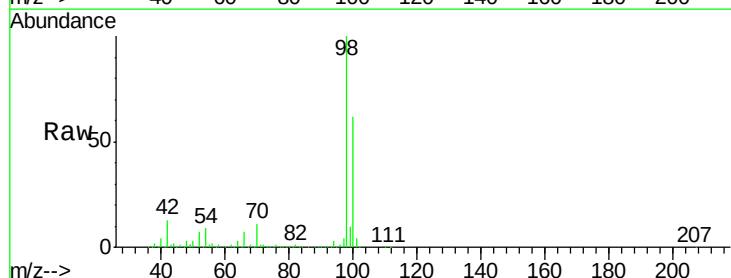


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

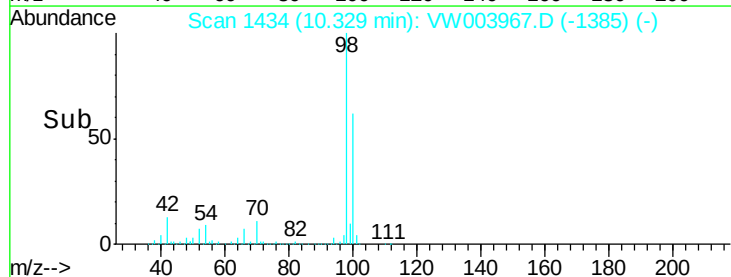
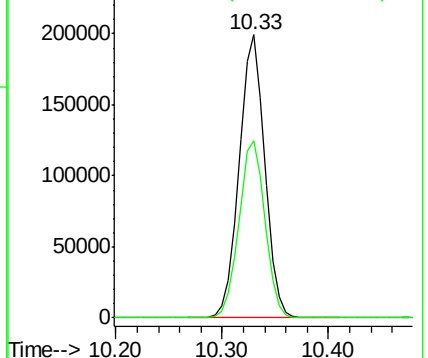


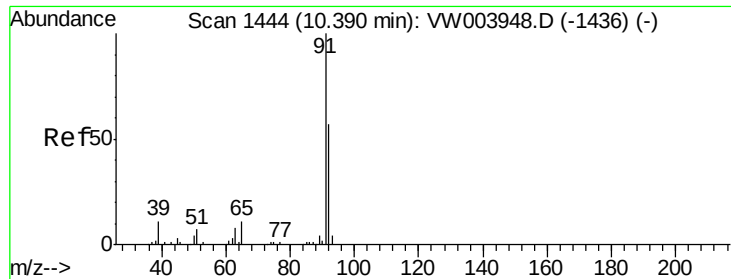
#50
Toluene-d8
Concen: 41.287 ug/l
RT: 10.33 min Scan# 1434
Delta R.T. 0.00 min
Lab File: VW003967.D
Acq: 16 Jul 2018 22:20

Tgt Ion: 98 Resp: 335998
Ion Ratio Lower Upper
98 100
100 63.8 51.2 76.8



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





#52

Toluene

Concen: 4.167 ug/l

RT: 10.39 min Scan# 1444

Delta R.T. 0.00 min

Lab File: VW003967.D

Acq: 16 Jul 2018 22:20

Instrument :

MSVOA_W

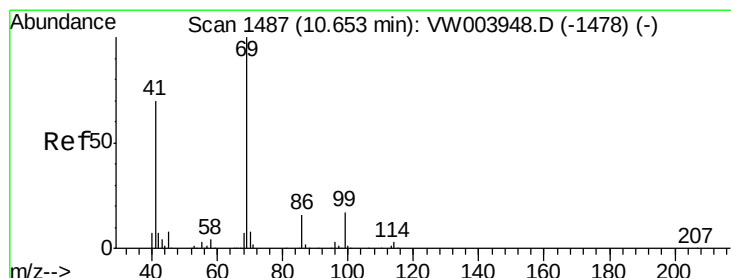
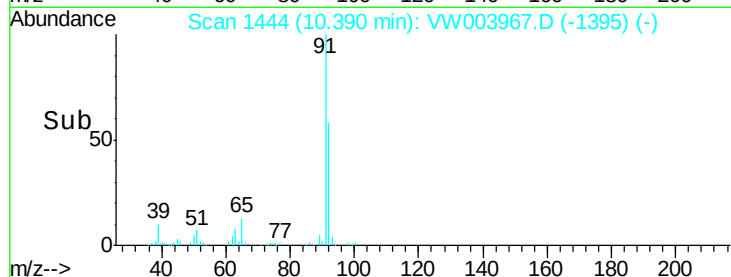
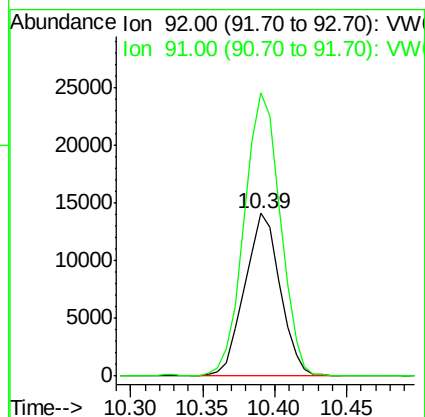
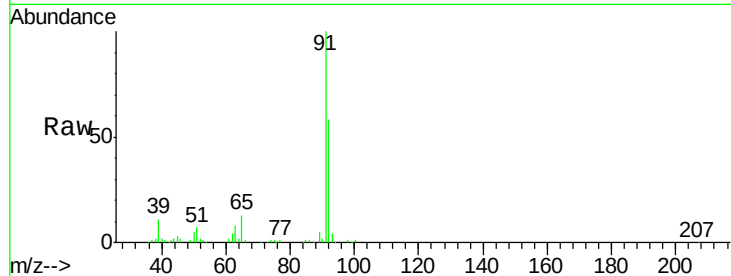
ClientSampled :

Tot Ion: 92 Resp: 24043

Ion Ratio Lower Upper

92 100

91 177.5 139.6 209.4



#56

Ethyl methacrylate

Concen: 3.041 ug/l

RT: 10.68 min Scan# 1491

Delta R.T. 0.03 min

Lab File: VW003967.D

Acq: 16 Jul 2018 22:20

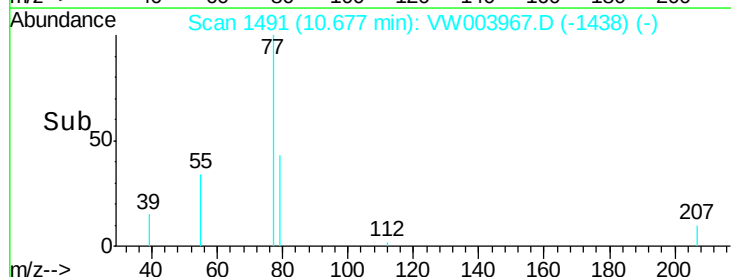
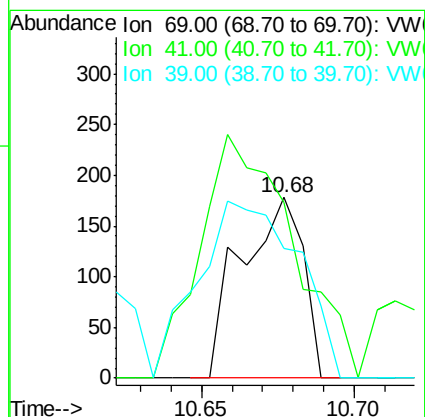
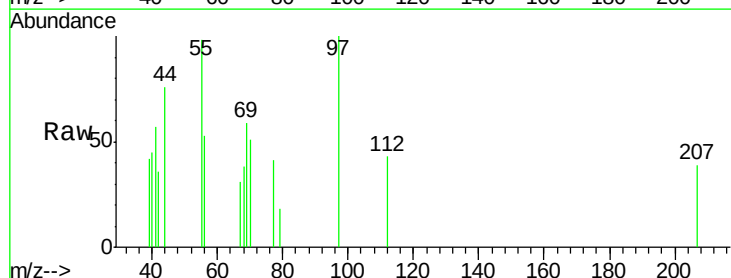
Tgt Ion: 69 Resp: 250

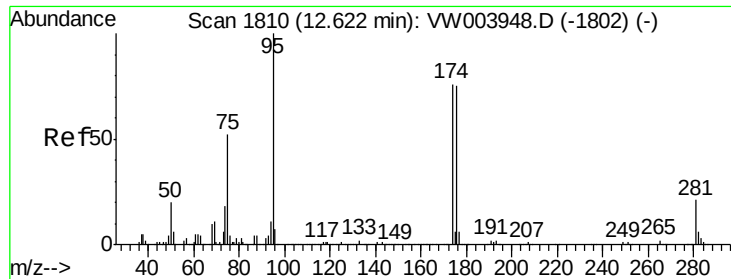
Ion Ratio Lower Upper

69 100

41 201.2 56.5 84.7#

39 159.2 30.2 45.4#

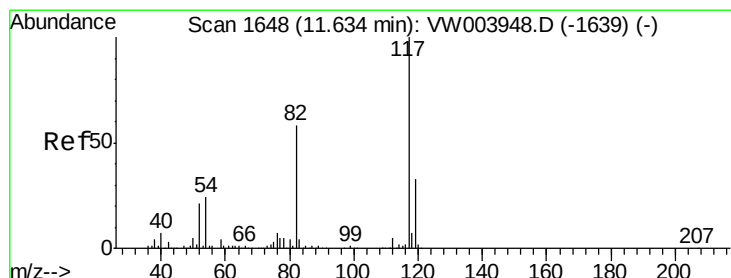
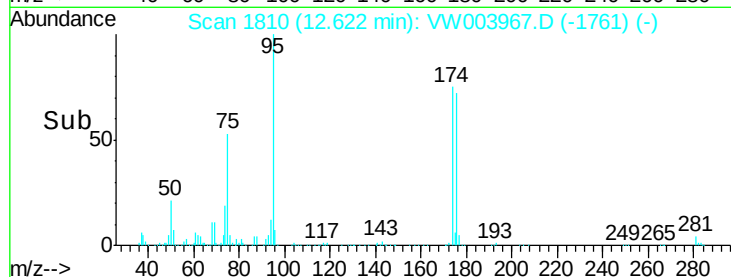
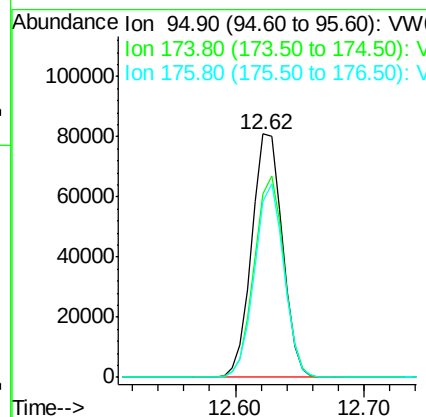
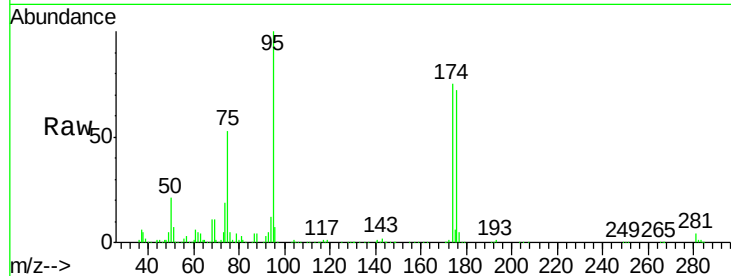




#62
4-Bromofluorobenzene
Concen: 45.133 ug/l
RT: 12.62 min Scan# 1810
Delta R.T. 0.00 min
Lab File: VW003967.D
Acq: 16 Jul 2018 22:20

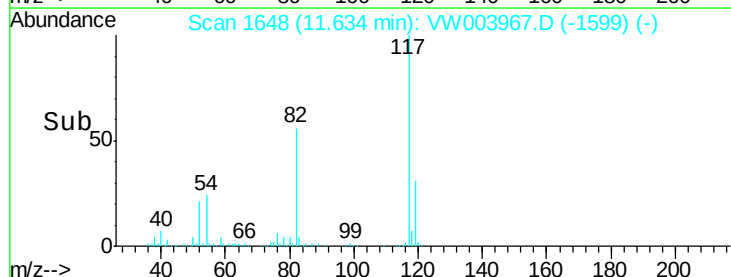
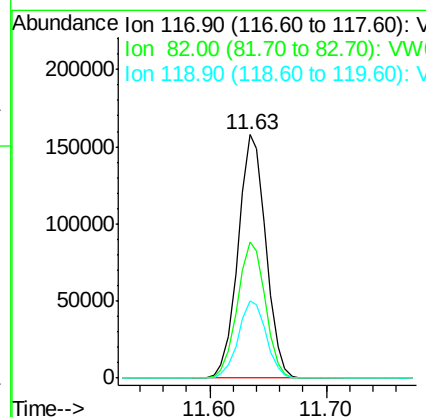
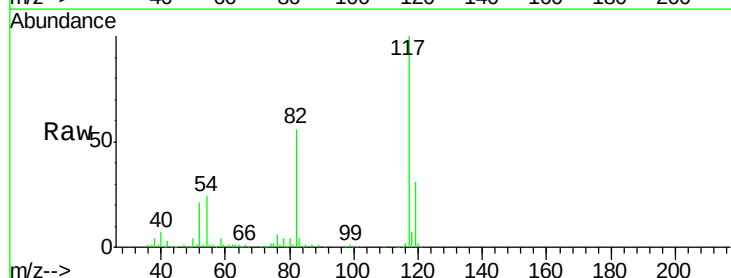
Instrument :
MSVOA_W
ClientSampleId :

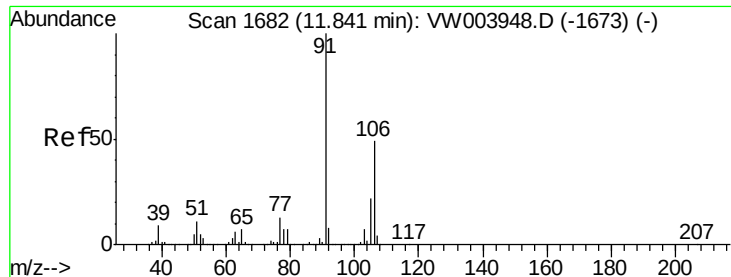
Tot Ion: 95 Resp: 132449
Ion Ratio Lower Upper
95 100
174 80.6 0.0 160.2
176 76.5 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. 0.00 min
Lab File: VW003967.D
Acq: 16 Jul 2018 22:20

Tgt Ion: 117 Resp: 261579
Ion Ratio Lower Upper
117 100
82 55.8 46.5 69.7
119 31.5 26.2 39.2

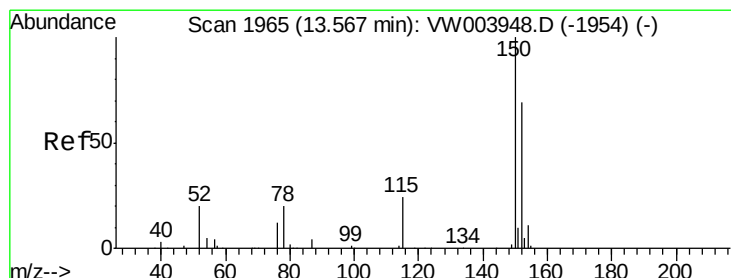
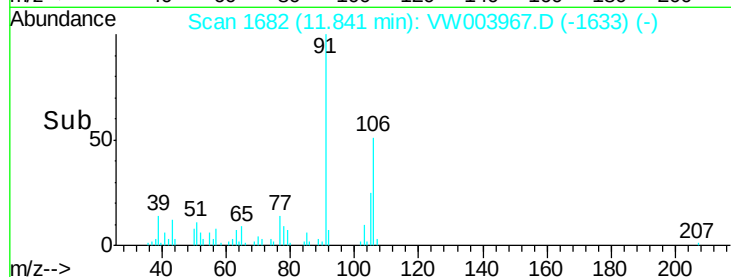
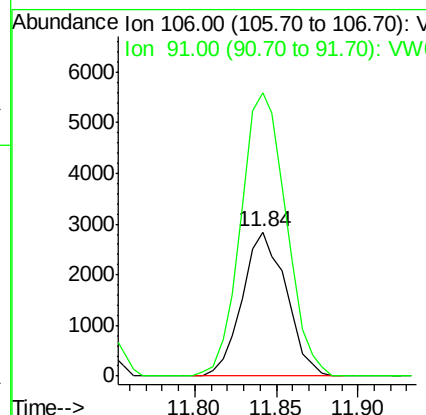
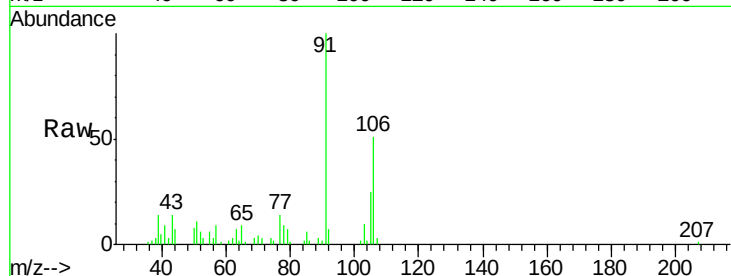




#68
m/p-Xvlenes
Concen: 1.427 ug/l
RT: 11.84 min Scan# 1682
Delta R.T. 0.00 min
Lab File: VW003967.D
Acq: 16 Jul 2018 22:20

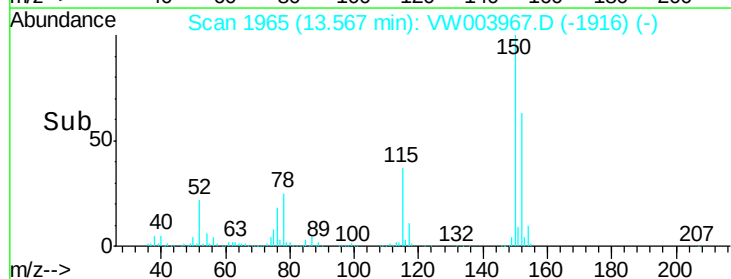
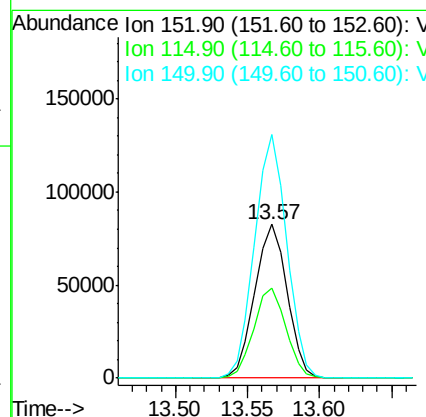
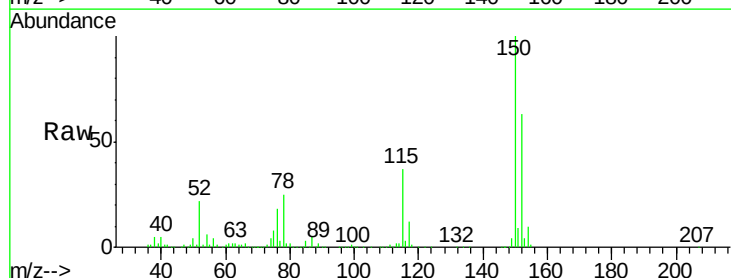
Instrument :
MSVOA_W
ClientSampleId :

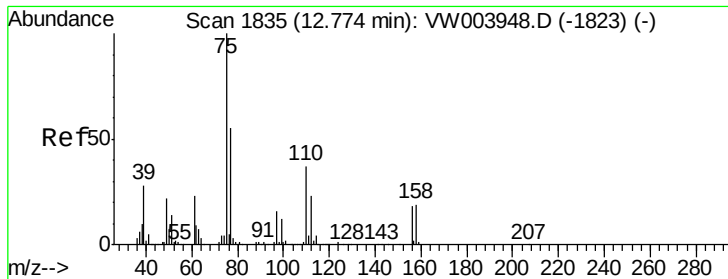
Tot Ion:106 Resp: 5328
Ion Ratio Lower Upper
106 100
91 202.5 164.2 246.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1965
Delta R.T. 0.00 min
Lab File: VW003967.D
Acq: 16 Jul 2018 22:20

Tgt Ion:152 Resp: 128098
Ion Ratio Lower Upper
152 100
115 58.7 29.2 87.6
150 157.3 0.0 345.2





#76

1,2,3-Trichloropropane

Concen: 55.072 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. -0.15 min

Lab File: VW003967.D

Acq: 16 Jul 2018 22:20

Instrument :

MSVOA_W

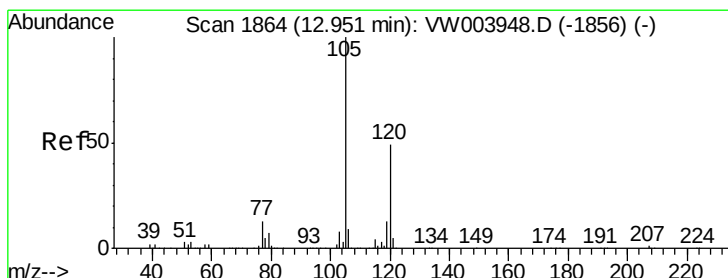
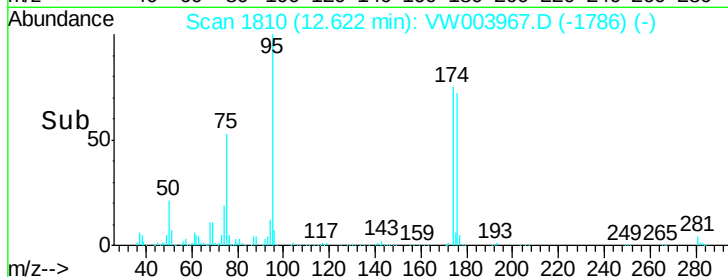
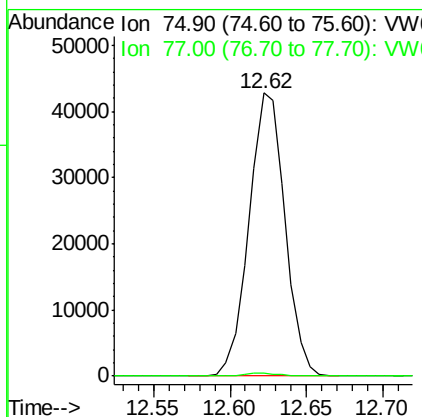
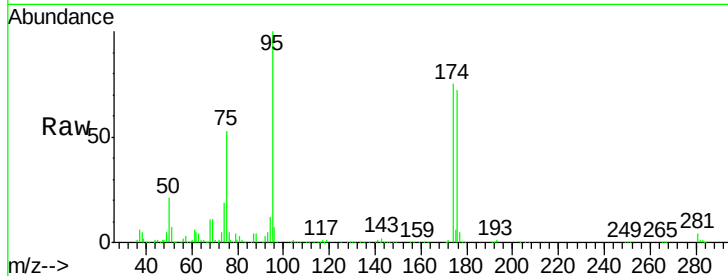
ClientSampleId :

Tot Ion: 75 Resp: 70036

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#



#80

1,3,5-Trimethylbenzene

Concen: 1.379 ug/l

RT: 12.95 min Scan# 1864

Delta R.T. 0.00 min

Lab File: VW003967.D

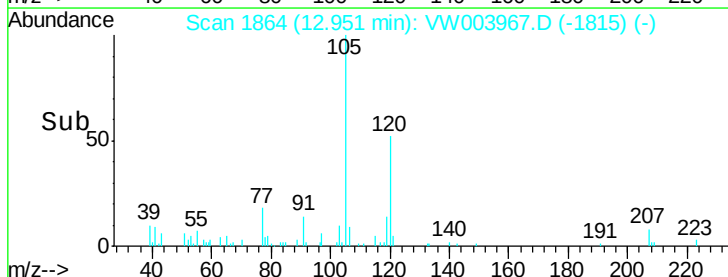
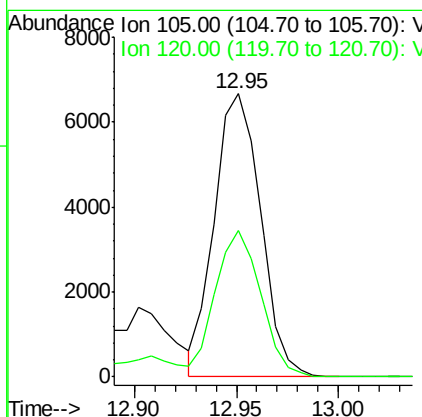
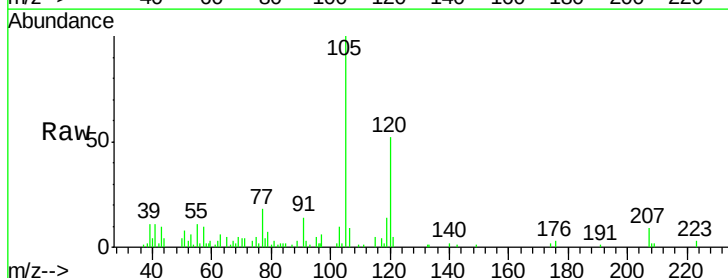
Acq: 16 Jul 2018 22:20

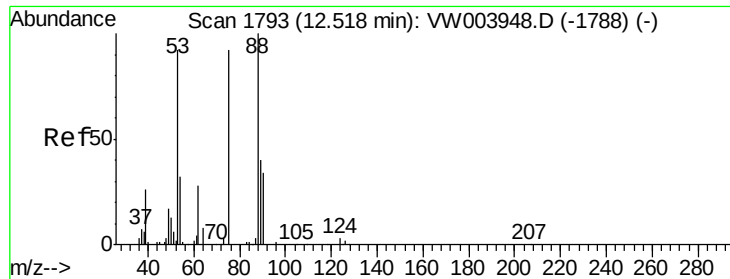
Tgt Ion:105 Resp: 10507

Ion Ratio Lower Upper

105 100

120 50.7 24.4 73.2

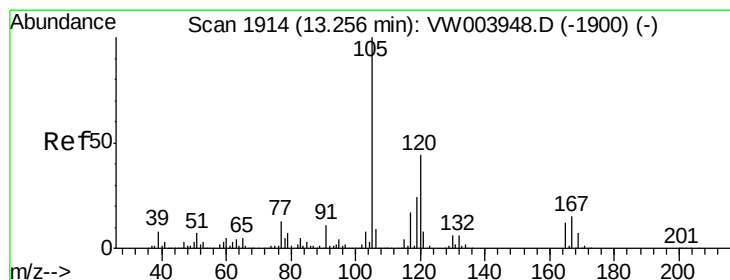
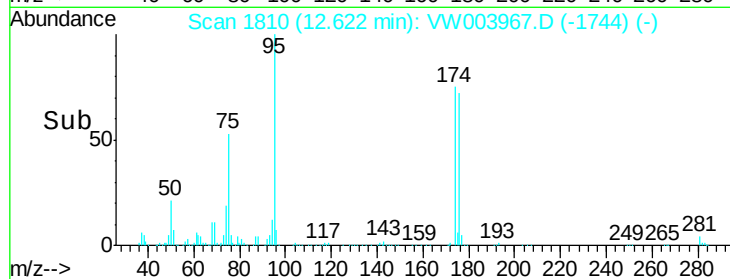
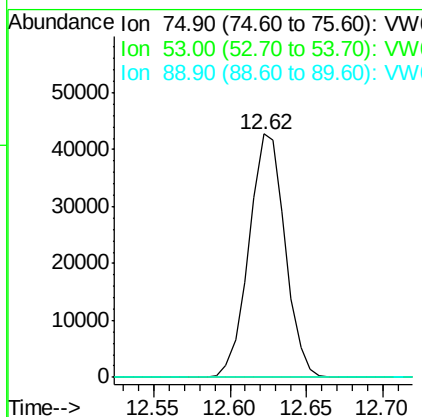
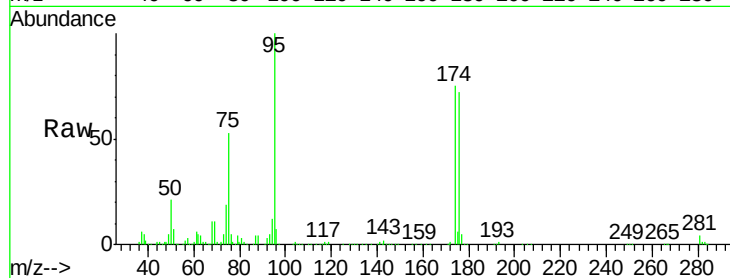




#81
trans-1,4-Dichloro-2-butene
Concen: 121.818 ug/l
RT: 12.62 min Scan# 1810
Delta R.T. 0.10 min
Lab File: VW003967.D
Acq: 16 Jul 2018 22:20

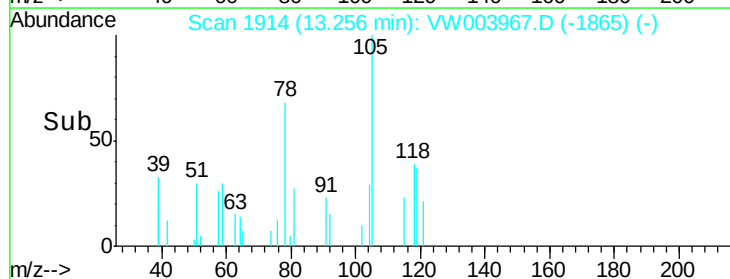
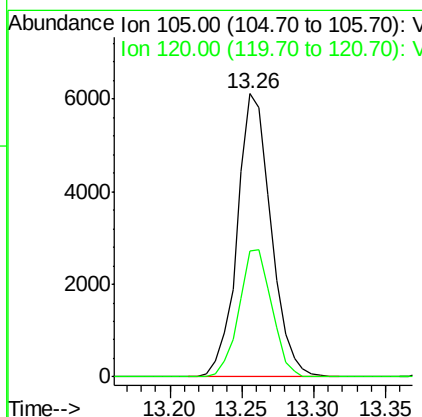
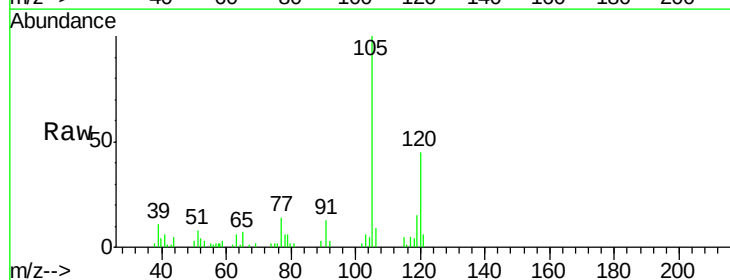
Instrument :
MSVOA_W
ClientSampled :

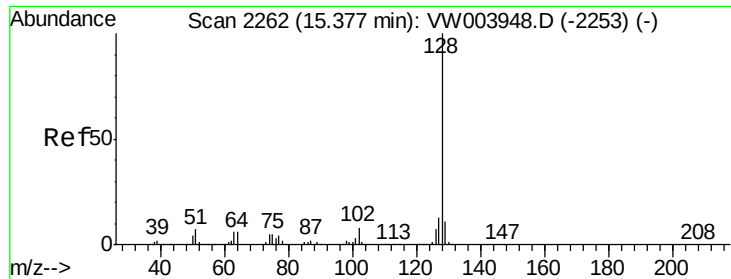
Tot Ion: 75 Resp: 70036
Ion Ratio Lower Upper
75 100
53 0.1 77.6 116.4#
89 0.0 36.6 54.8#



#84
1,2,4-Trimethylbenzene
Concen: 1.271 ug/l
RT: 13.26 min Scan# 1914
Delta R.T. 0.00 min
Lab File: VW003967.D
Acq: 16 Jul 2018 22:20

Tgt Ion:105 Resp: 9958
Ion Ratio Lower Upper
105 100
120 43.5 22.1 66.1





#95

Naphthalene

Concen: 149.292 ug/l

RT: 15.38 min Scan# 2262

Delta R.T. 0.00 min

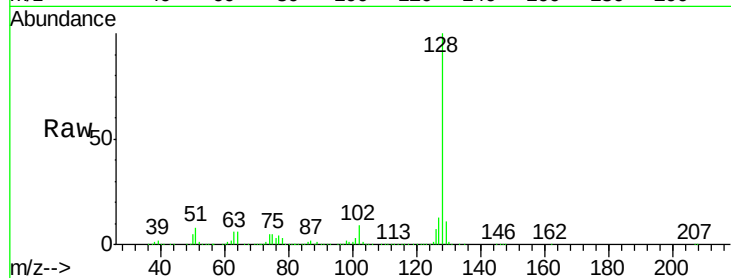
Lab File: VW003967.D

Acq: 16 Jul 2018 22:20

Instrument :

MSVOA_W

ClientSampleId :



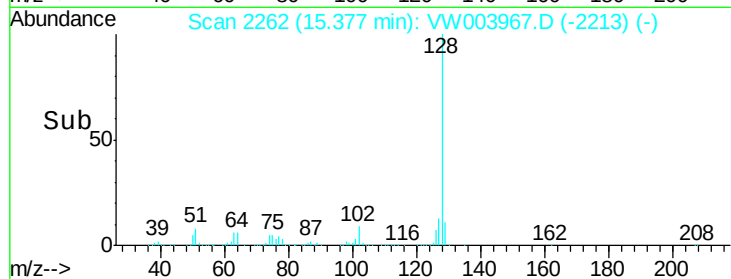
Tot Ion:128 Resp: 745905

Ion Ratio Lower Upper

128 100

127 13.3 10.7 16.1

129 11.1 8.7 13.1



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

