

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW040419\
 Data File : VW009697.D
 Acq On : 04 Apr 2019 15:33
 Operator : SY/VA
 Sample : K2221-05
 Misc : 5.22G/5ML/MSVOA_W/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 S10B(10)

Quant Time: Apr 05 05:45:35 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W032919S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 29 13:24:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	300971	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	514878	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	456701	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	204960	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	145523	42.28	ug/l	0.00
Spiked Amount						
			Recovery	=	84.56%	
35) Dibromofluoromethane	7.88	113	118529	36.65	ug/l	0.00
Spiked Amount						
			Recovery	=	73.30%	
50) Toluene-d8	10.32	98	404606	33.85	ug/l	0.00
Spiked Amount						
			Recovery	=	67.70%	
62) 4-Bromofluorobenzene	12.62	95	129503	29.04	ug/l	0.00
Spiked Amount						
			Recovery	=	58.08%	

Target Compounds

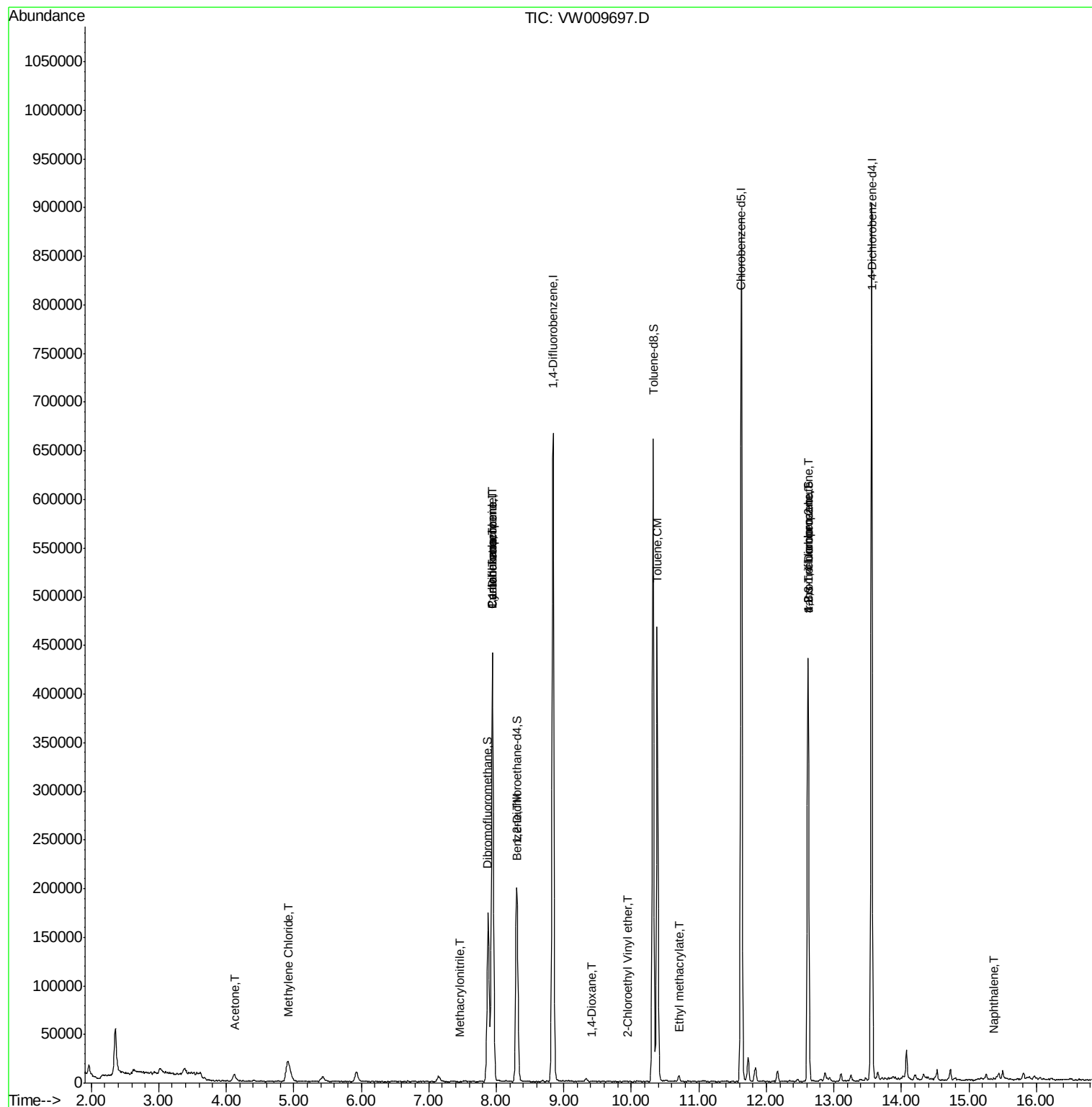
					Qvalue
2) Dichlorodifluoromethane	2.00	85	63	Below Cal	# 41
16) Acetone	4.13	43	13272	17.151	ug/l 91
20) Methylene Chloride	4.92	84	20229	3.019	ug/l # 86
31) Cyclohexane	7.95	56	8539	1.508	ug/l # 26
36) 1,1-Dichloropropene	7.95	75	26864	5.044	ug/l # 50
38) Carbon Tetrachloride	7.95	117	32239	5.908	ug/l # 17
40) Benzene	8.32	78	25639	1.777	ug/l 95
41) Methacrylonitrile	7.46	41	116	3.986	ug/l # 1
49) 1,4-Dioxane	9.41	88	51	1.712	ug/l # 14
52) Toluene	10.38	92	188947	20.916	ug/l 96
56) Ethyl methacrylate	10.72	69	19	3.801	ug/l # 1
58) 2-Chloroethyl Vinyl ether	9.94	63	20	17.027	ug/l # 46
76) 1,2,3-Trichloropropane	12.62	75	73521	38.145	ug/l # 100
81) trans-1,4-Dichloro-2-buten	12.62	75	73521	88.705	ug/l # 7
95) Naphthalene	15.36	128	1151	2.859	ug/l # 77

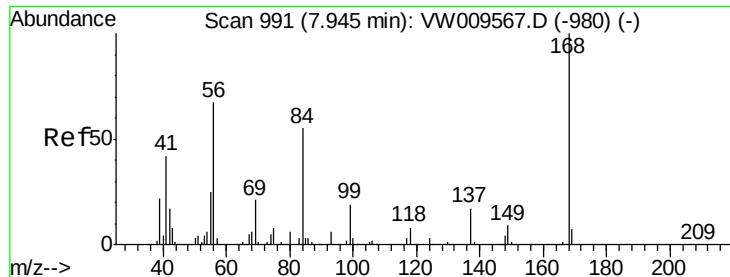
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW009697.D

Acq: 04 Apr 2019 15:33

Instrument :

MSVOA_W

ClientSampleId :

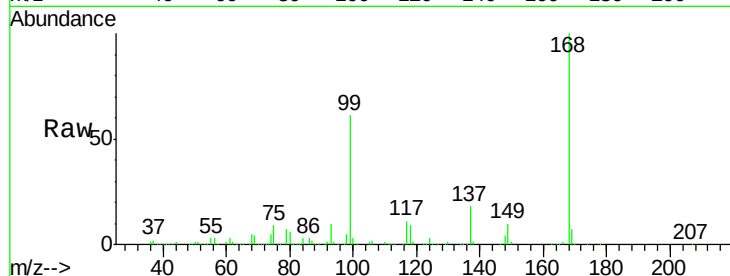
S10B(10)

Tgt Ion:168 Resp: 300971

Ion Ratio Lower Upper

168 100

99 61.0 45.4 68.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

150000

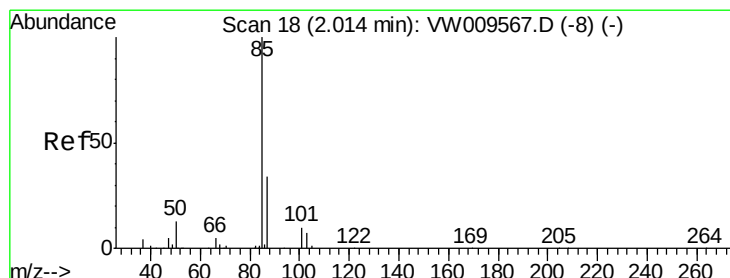
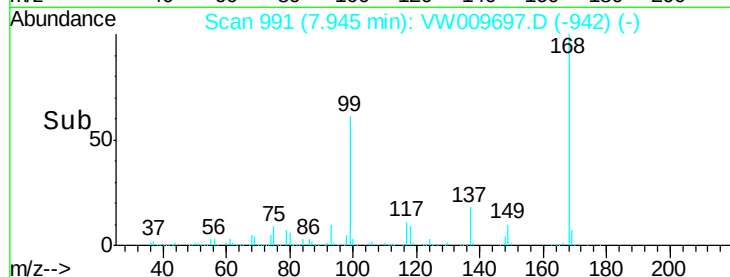
100000

50000

0

7.90 8.00

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 2.00 min Scan# 16

Delta R.T. -0.01 min

Lab File: VW009697.D

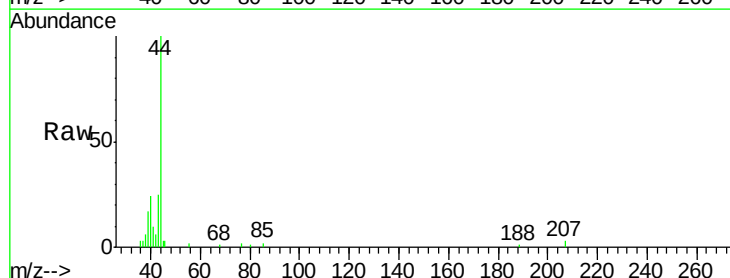
Acq: 04 Apr 2019 15:33

Tgt Ion: 85 Resp: 63

Ion Ratio Lower Upper

85 100

87 0.0 16.7 50.1#



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.00

120

100

80

60

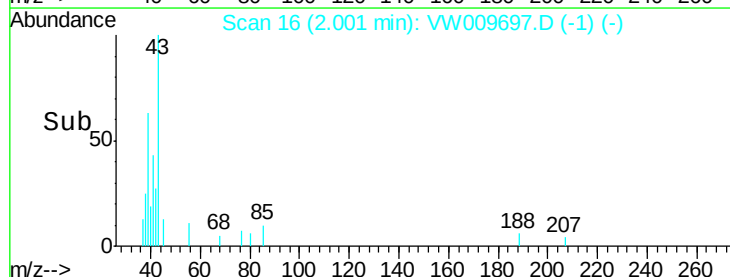
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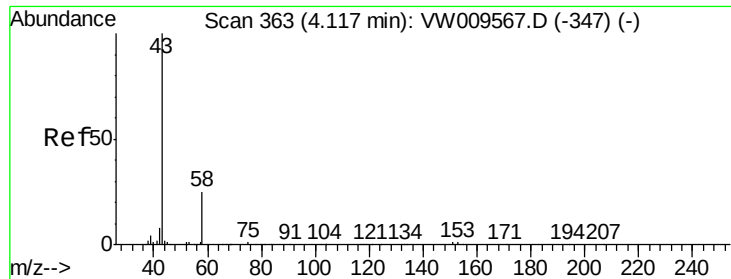
20

0

1.98 1.99 2.00 2.01

Time-->





#16

Acetone

Concen: 17.151 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW009697.D

Acq: 04 Apr 2019 15:33

Instrument :

MSVOA_W

ClientSampleId :

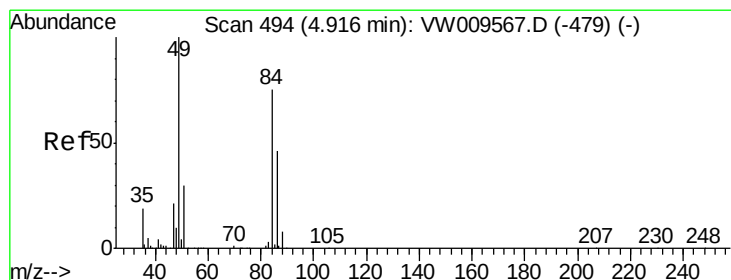
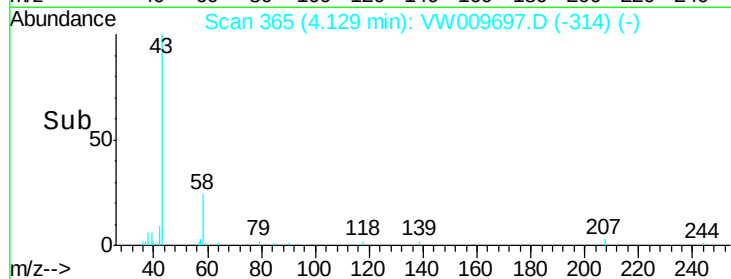
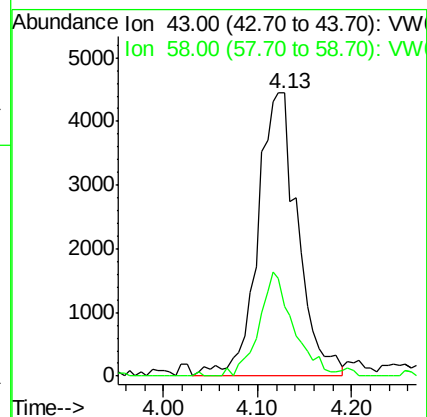
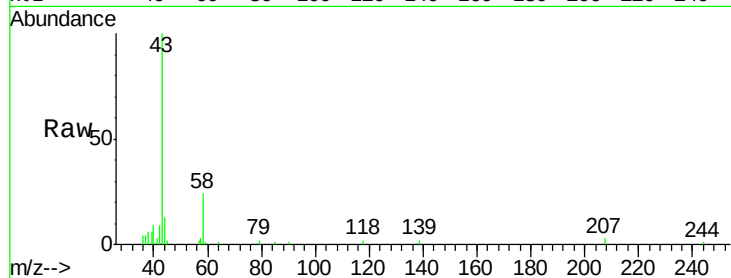
S10B(10)

Tgt Ion: 43 Resp: 13272

Ion Ratio Lower Upper

43 100

58 24.4 23.6 35.4



#20

Methylene Chloride

Concen: 3.019 ug/l

RT: 4.92 min Scan# 494

Delta R.T. 0.00 min

Lab File: VW009697.D

Acq: 04 Apr 2019 15:33

Tgt Ion: 84 Resp: 20229

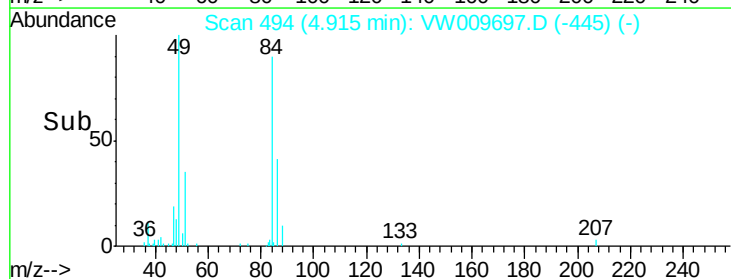
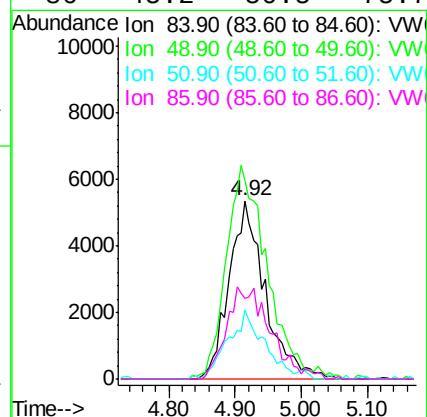
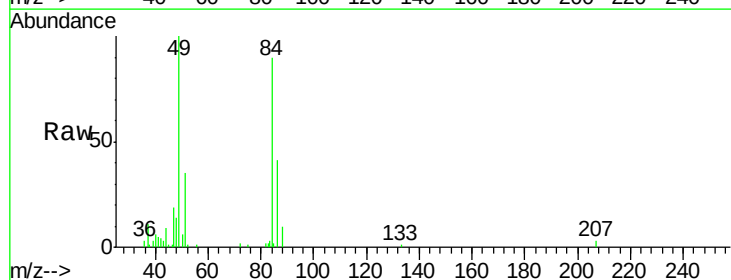
Ion Ratio Lower Upper

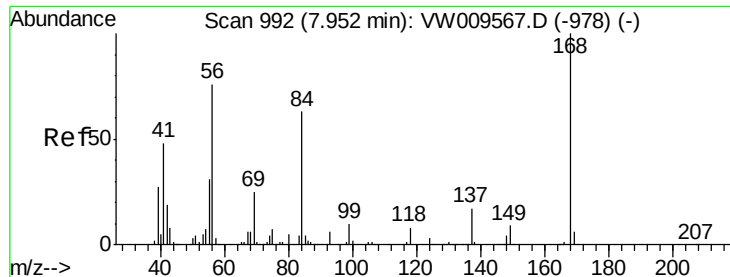
84 100

49 110.3 99.1 148.7

51 39.0 28.7 43.1

86 45.2 50.5 75.7#

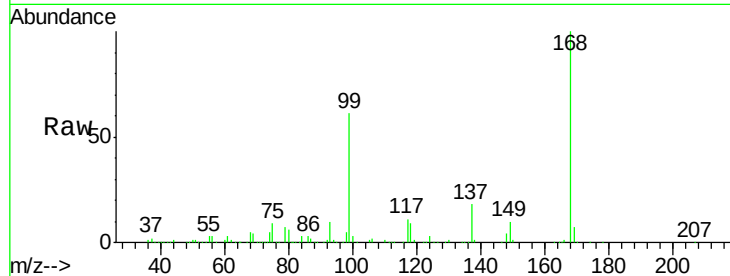




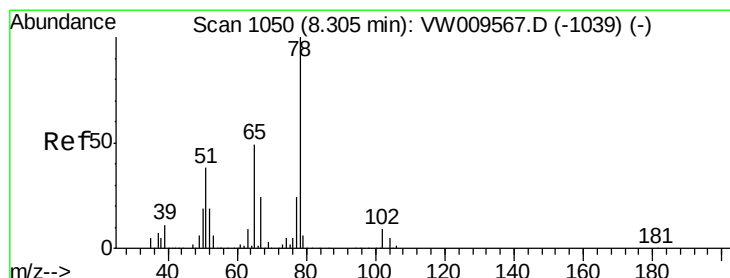
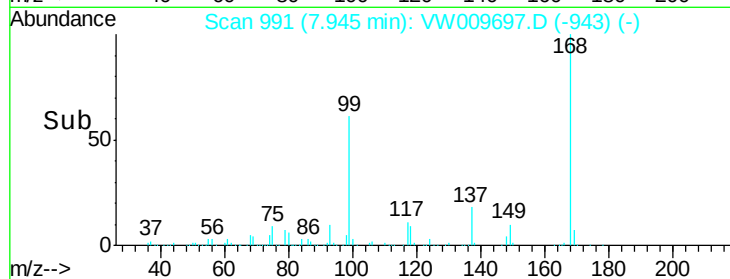
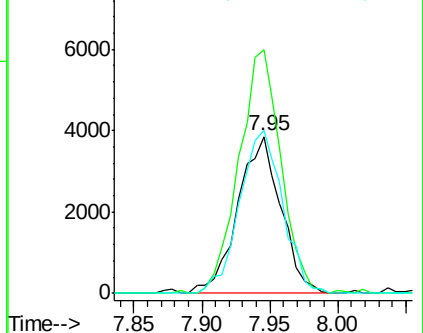
#31
Cyclohexane
Concen: 1.508 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW009697.D
Acq: 04 Apr 2019 15:33

Instrument :
MSVOA_W
ClientSampleId :
S10B(10)

Tgt Ion: 56 Resp: 8539
Ion Ratio Lower Upper
56 100
69 155.1 26.1 39.1#
84 103.6 68.6 103.0#

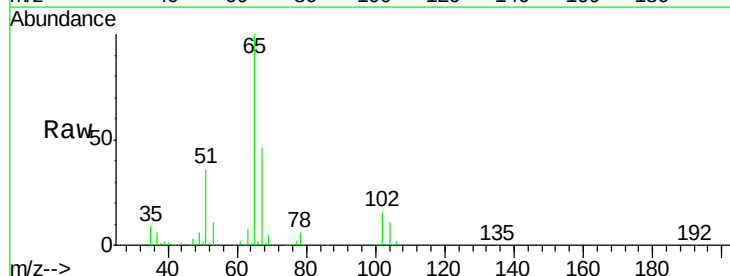


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

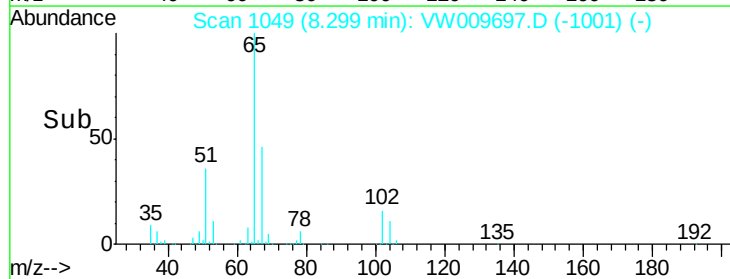
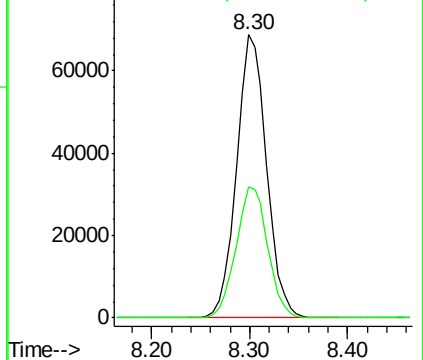


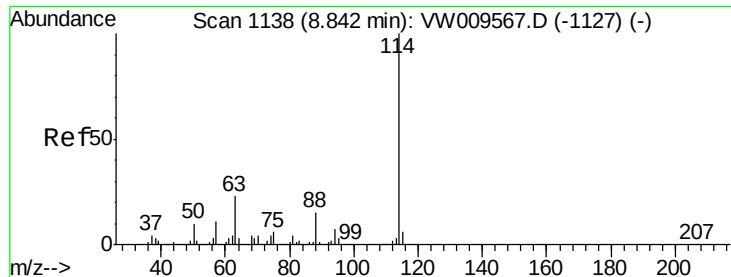
#33
1,2-Dichloroethane-d4
Concen: 42.282 ug/l
RT: 8.30 min Scan# 1049
Delta R.T. -0.01 min
Lab File: VW009697.D
Acq: 04 Apr 2019 15:33

Tgt Ion: 65 Resp: 145523
Ion Ratio Lower Upper
65 100
67 49.1 0.0 102.4



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

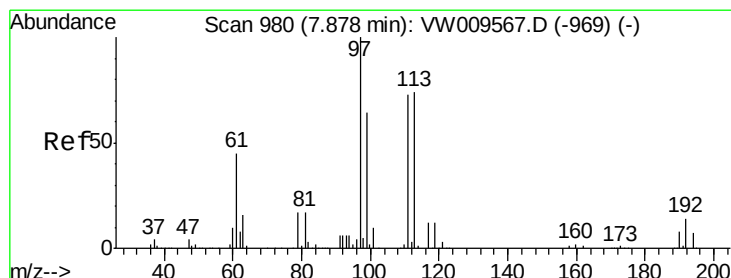
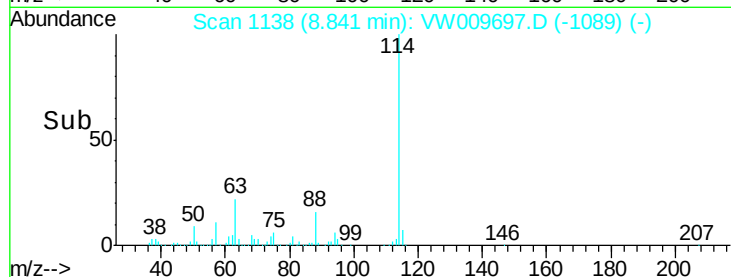
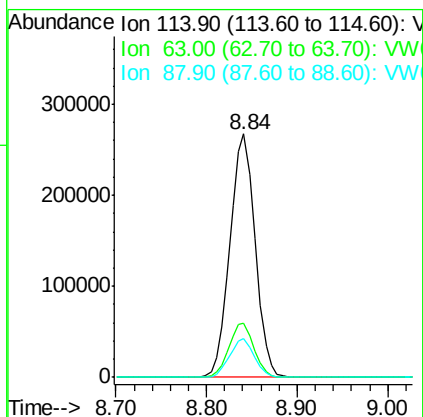
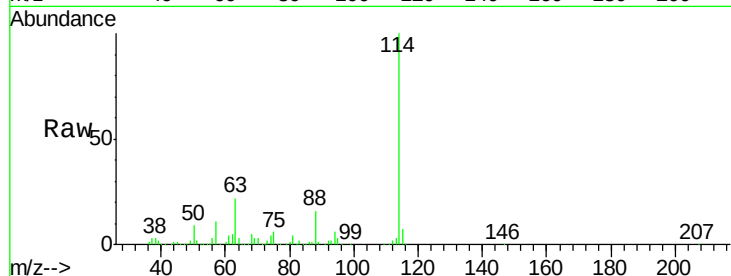




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW009697.D
 Acq: 04 Apr 2019 15:33

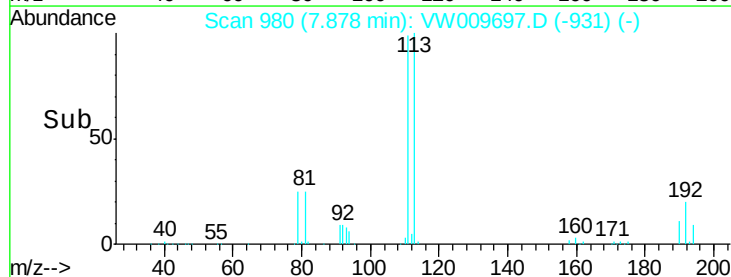
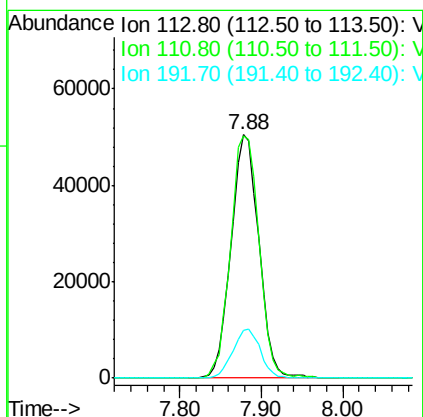
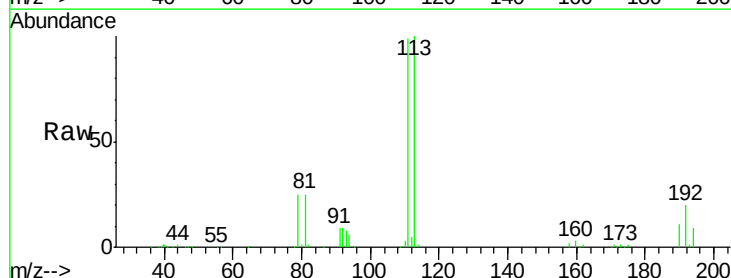
Instrument :
 MSVOA_W
 ClientSampleId :
 S10B(10)

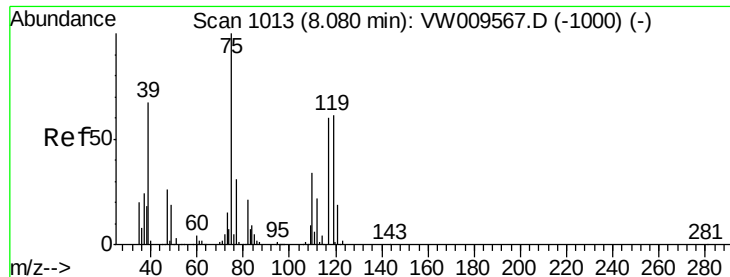
Tgt Ion:114 Resp: 514878
 Ion Ratio Lower Upper
 114 100
 63 22.1 0.0 42.2
 88 15.8 0.0 30.8



#35
 Dibromofluoromethane
 Concen: 36.653 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.00 min
 Lab File: VW009697.D
 Acq: 04 Apr 2019 15:33

Tgt Ion:113 Resp: 118529
 Ion Ratio Lower Upper
 113 100
 111 101.4 82.6 124.0
 192 19.7 16.4 24.6





#36

1,1-Dichloropropene

Concen: 5.044 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW009697.D

Acq: 04 Apr 2019 15:33

Instrument :

MSVOA_W

ClientSampleId :

S10B(10)

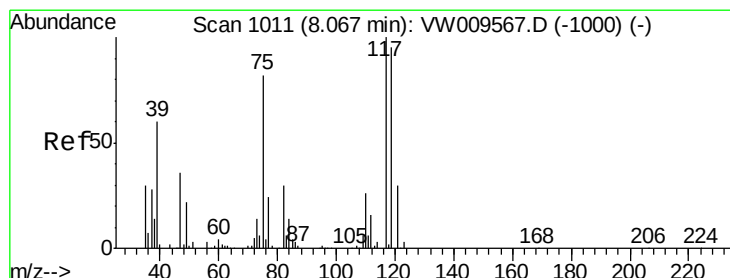
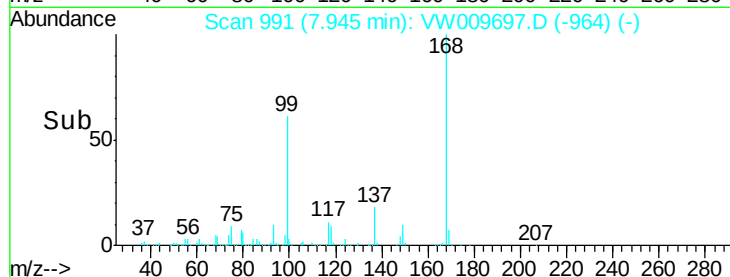
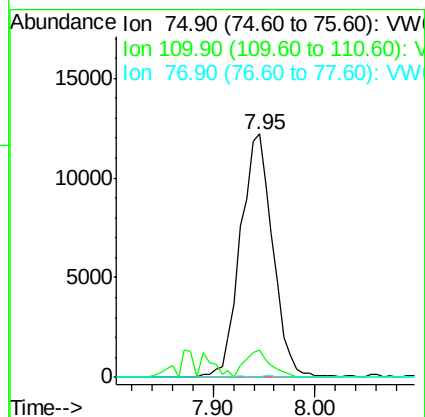
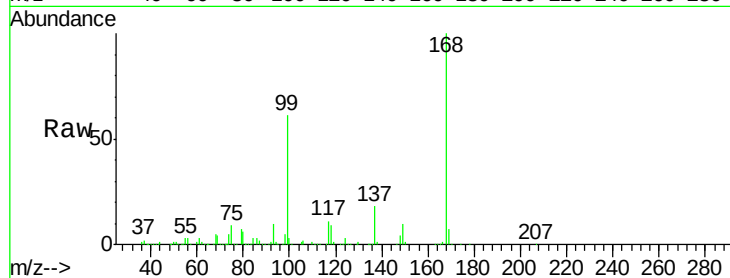
Tgt Ion: 75 Resp: 26864

Ion Ratio Lower Upper

75 100

110 8.8 16.8 50.4#

77 0.0 24.6 36.8#



#38

Carbon Tetrachloride

Concen: 5.908 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW009697.D

Acq: 04 Apr 2019 15:33

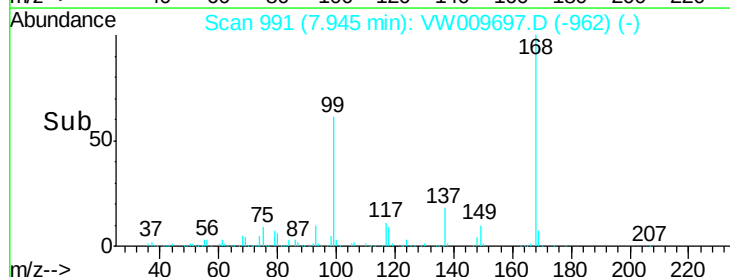
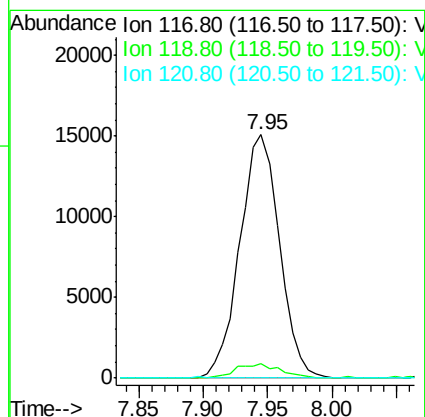
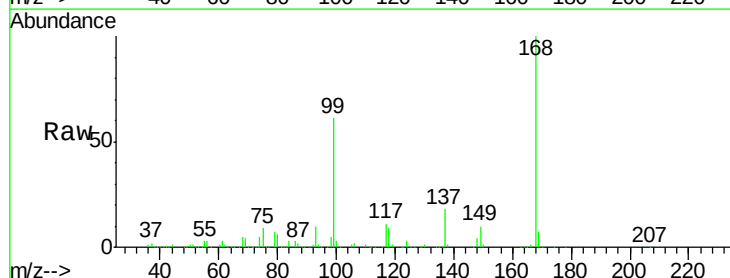
Tgt Ion: 117 Resp: 32239

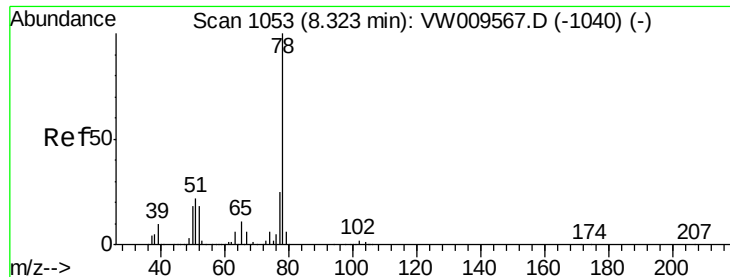
Ion Ratio Lower Upper

117 100

119 5.9 75.4 113.0#

121 0.0 24.9 37.3#





#40

Benzene

Concen: 1.777 ug/l

RT: 8.32 min Scan# 1052

Delta R.T. -0.01 min

Lab File: VW009697.D

Acq: 04 Apr 2019 15:33

Instrument :

MSVOA_W

ClientSampleId :

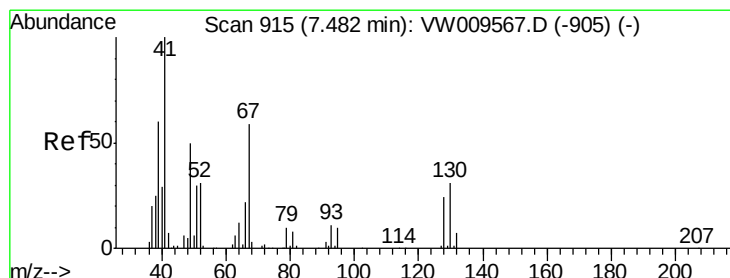
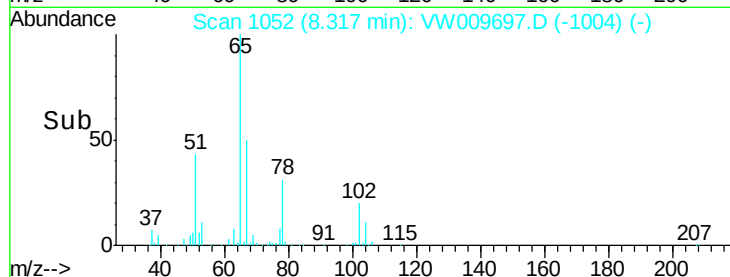
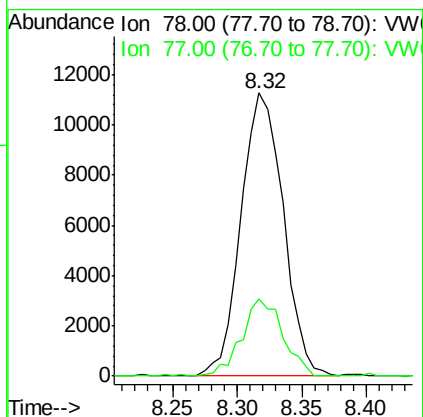
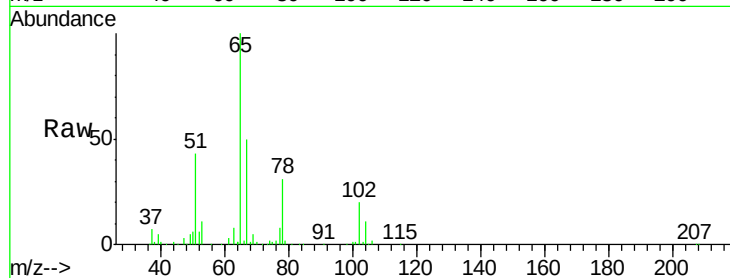
S10B(10)

Tgt Ion: 78 Resp: 25639

Ion Ratio Lower Upper

78 100

77 27.2 19.8 29.6



#41

Methacrylonitrile

Concen: 3.986 ug/l

RT: 7.46 min Scan# 912

Delta R.T. -0.02 min

Lab File: VW009697.D

Acq: 04 Apr 2019 15:33

Tgt Ion: 41 Resp: 116

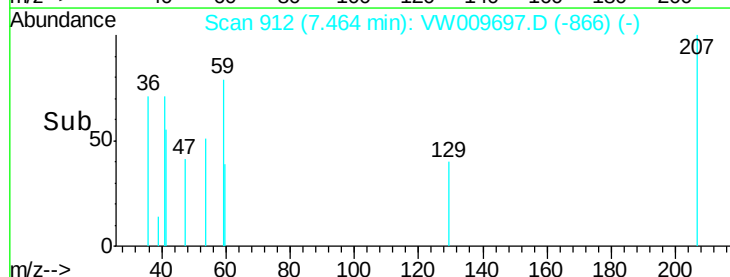
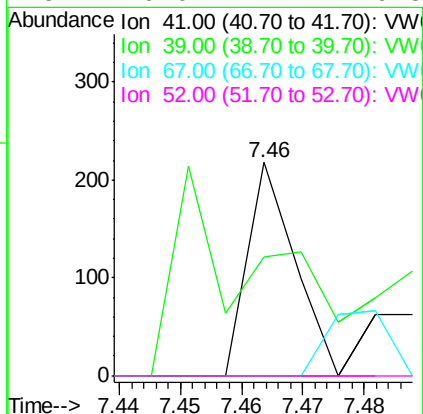
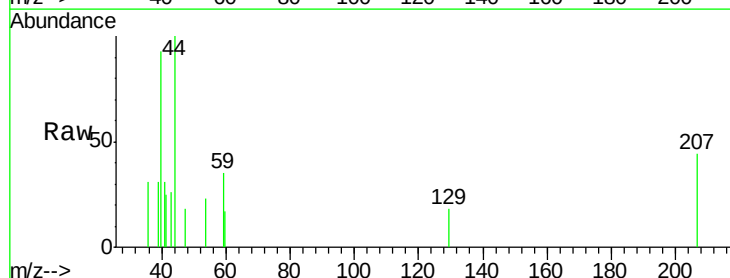
Ion Ratio Lower Upper

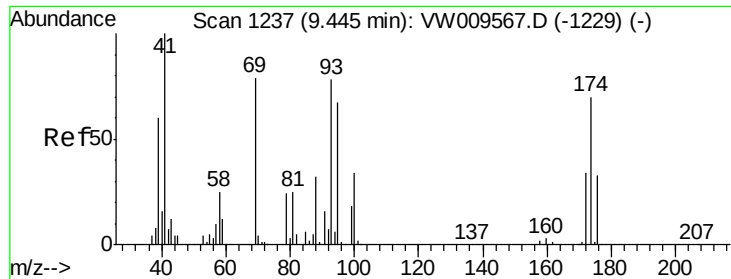
41 100

39 182.8 52.5 78.7#

67 0.0 56.6 84.8#

52 0.0 27.2 40.8#





#49

1,4-Dioxane

Concen: 1.712 ug/l

RT: 9.41 min Scan# 1232

Delta R.T. -0.03 min

Lab File: VW009697.D

Acq: 04 Apr 2019 15:33

Instrument :

MSVOA_W

ClientSampleId :

S10B(10)

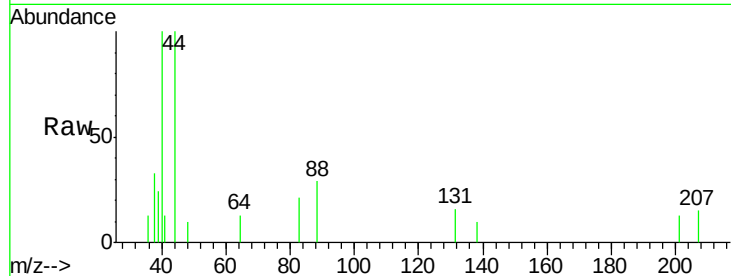
Tgt Ion: 88 Resp: 51

Ion Ratio Lower Upper

88 100

43 88.2 29.7 44.5#

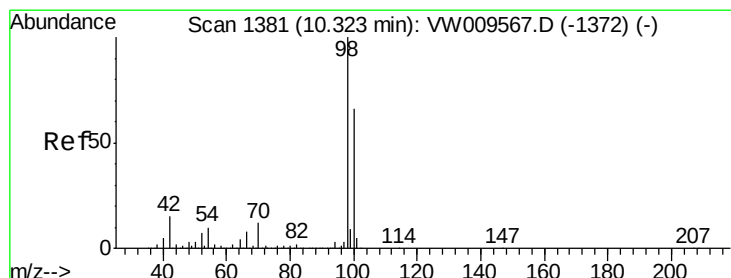
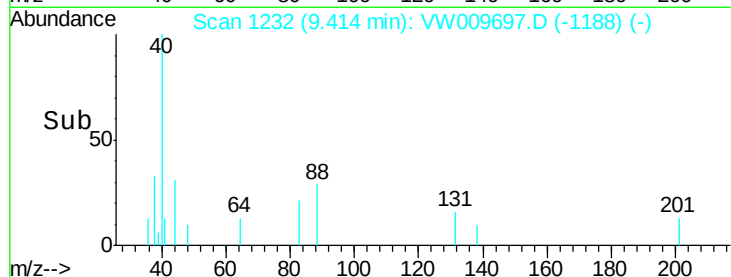
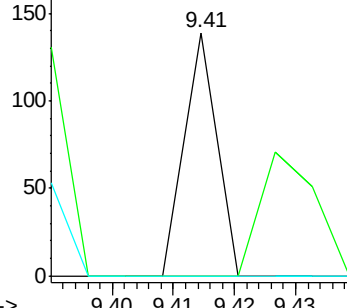
58 0.0 58.1 87.1#



Abundance Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#50

Toluene-d8

Concen: 33.851 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW009697.D

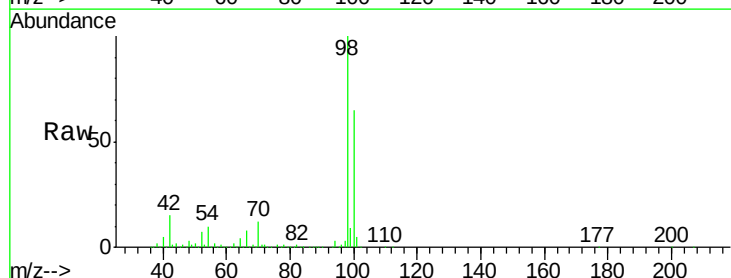
Acq: 04 Apr 2019 15:33

Tgt Ion: 98 Resp: 404606

Ion Ratio Lower Upper

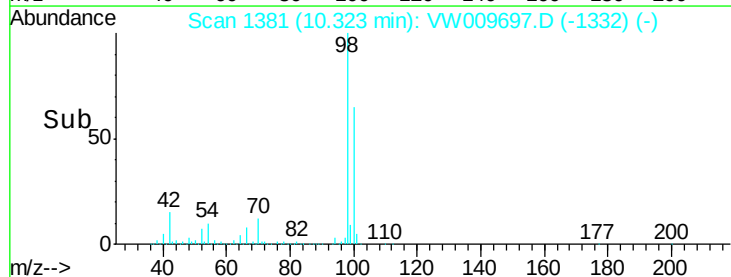
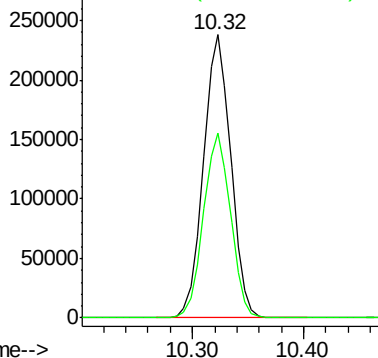
98 100

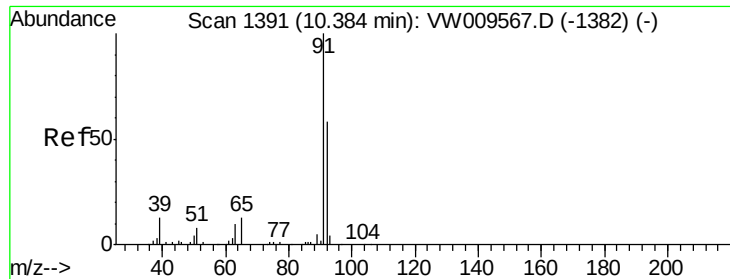
100 64.6 52.6 79.0



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#52

Toluene

Concen: 20.916 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW009697.D

Acq: 04 Apr 2019 15:33

Instrument :

MSVOA_W

ClientSampled :

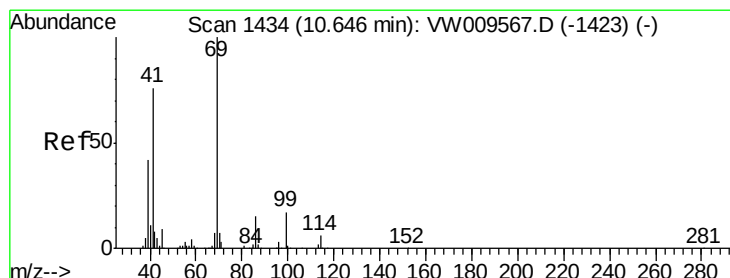
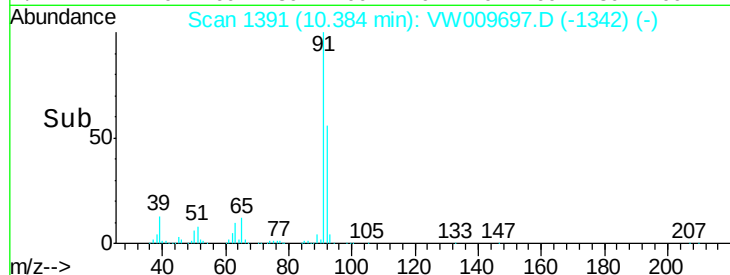
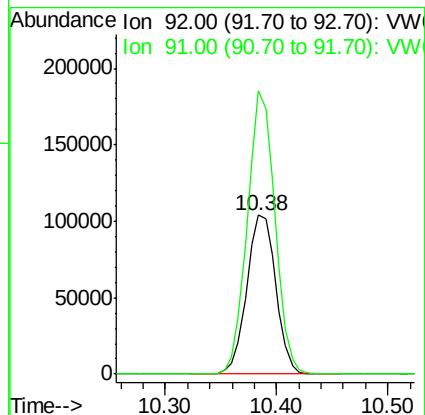
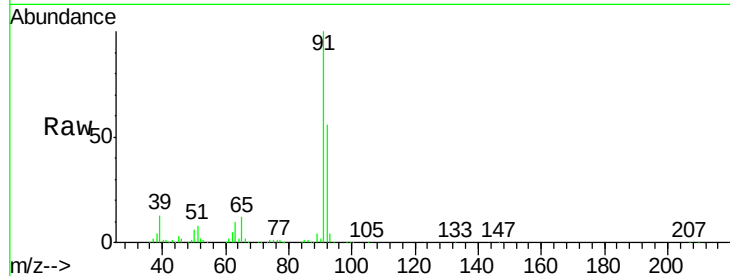
S10B(10)

Tgt Ion: 92 Resp: 188947

Ion Ratio Lower Upper

92 100

91 169.9 140.1 210.1



#56

Ethyl methacrylate

Concen: 3.801 ug/l

RT: 10.72 min Scan# 1446

Delta R.T. 0.07 min

Lab File: VW009697.D

Acq: 04 Apr 2019 15:33

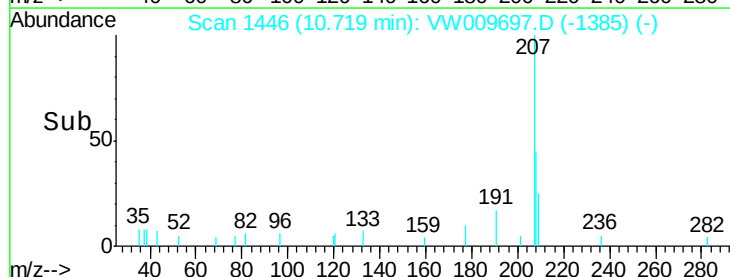
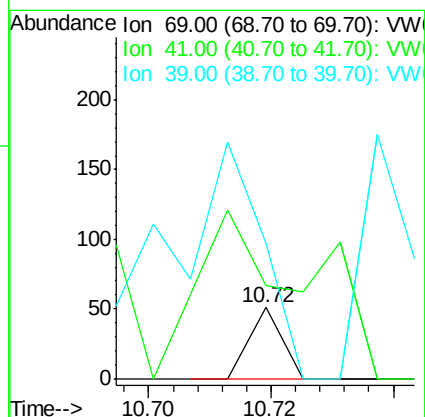
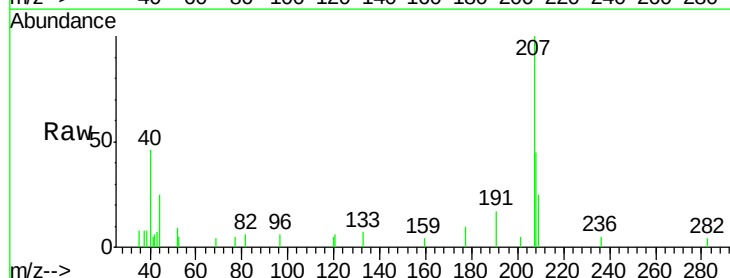
Tgt Ion: 69 Resp: 19

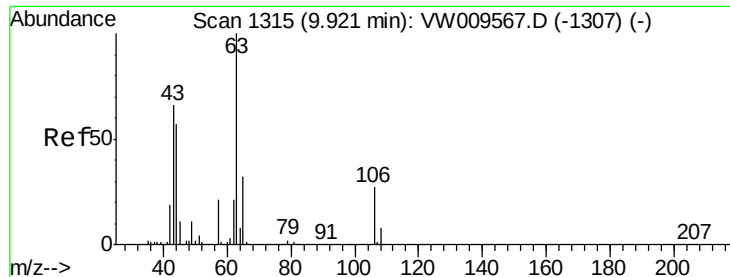
Ion Ratio Lower Upper

69 100

41 784.2 59.3 88.9#

39 0.0 36.2 54.2#

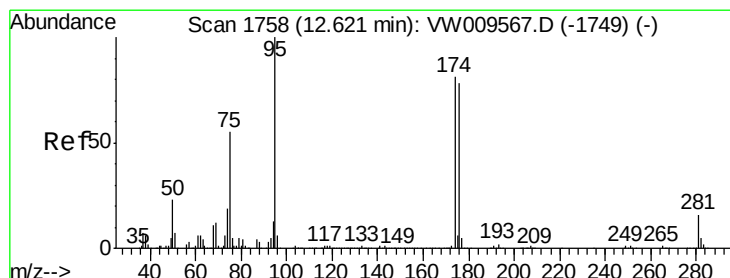
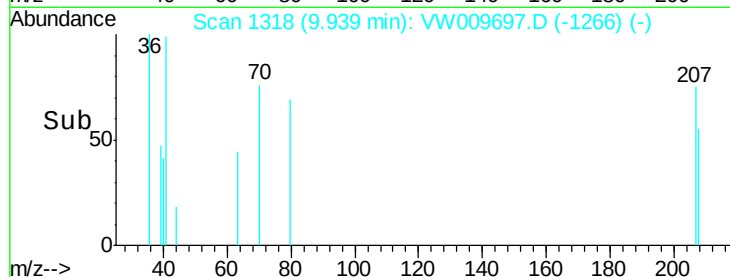
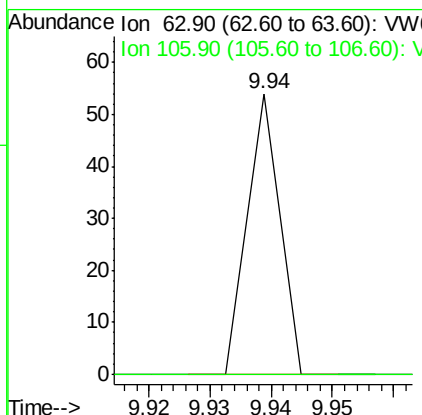
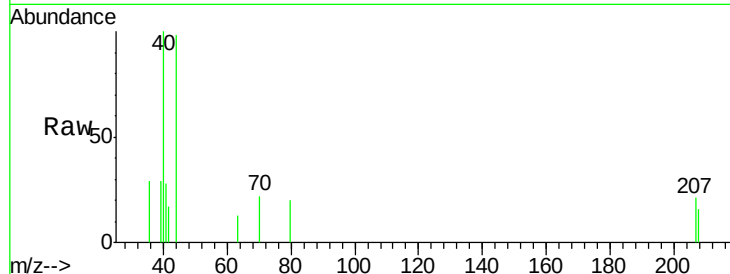




#58
 2-Chloroethyl Vinyl ether
 Concen: 17.027 ug/l
 RT: 9.94 min Scan# 1318
 Delta R.T. 0.02 min
 Lab File: VW009697.D
 Acq: 04 Apr 2019 15:33

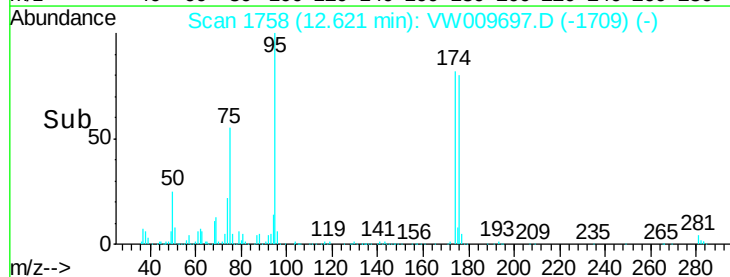
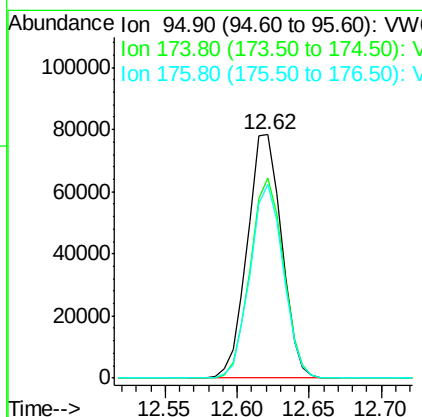
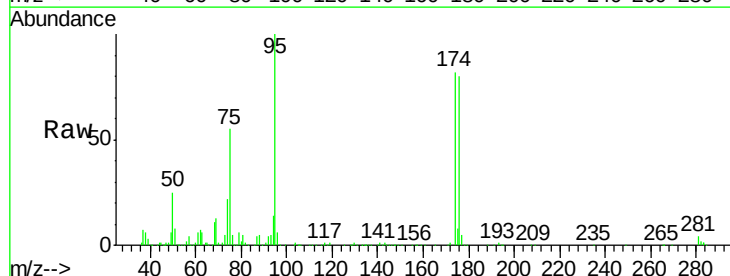
Instrument :
 MSVOA_W
 ClientSampleId :
 S10B(10)

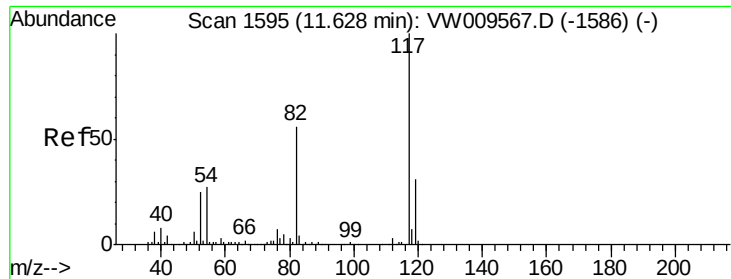
Tgt Ion: 63 Resp: 20
 Ion Ratio Lower Upper
 63 100
 106 0.0 22.9 34.3#



#62
 4-Bromofluorobenzene
 Concen: 29.043 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.00 min
 Lab File: VW009697.D
 Acq: 04 Apr 2019 15:33

Tgt Ion: 95 Resp: 129503
 Ion Ratio Lower Upper
 95 100
 174 79.9 0.0 168.4
 176 76.7 0.0 161.6

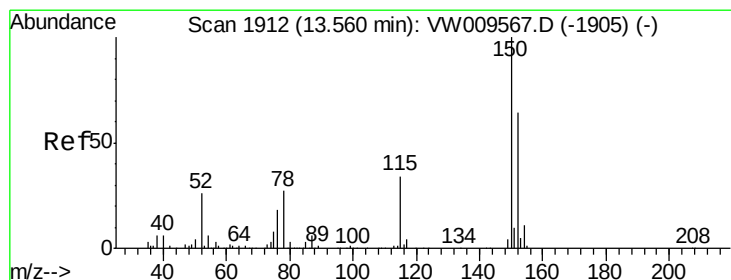
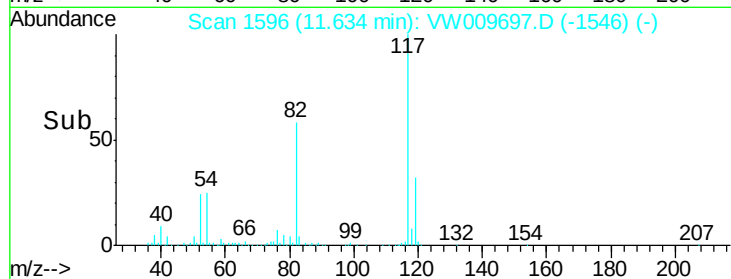
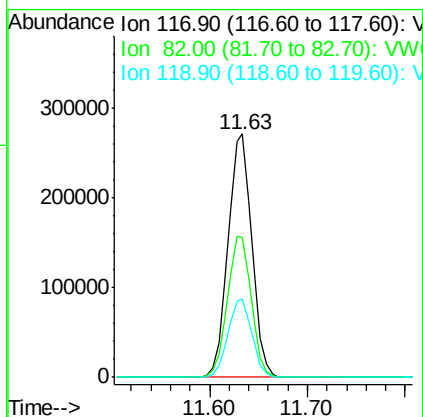
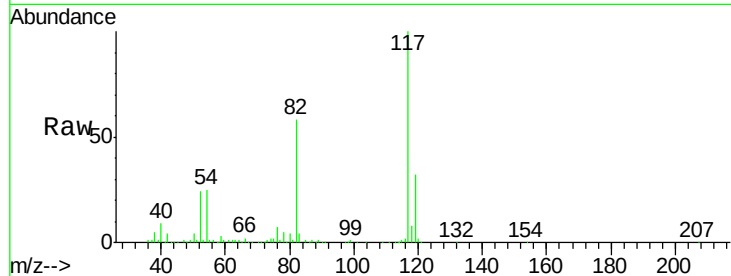




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.01 min
Lab File: VW009697.D
Acq: 04 Apr 2019 15:33

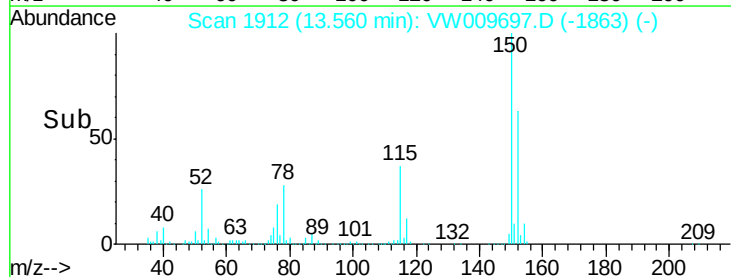
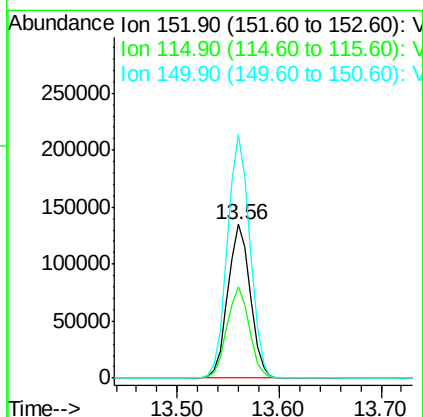
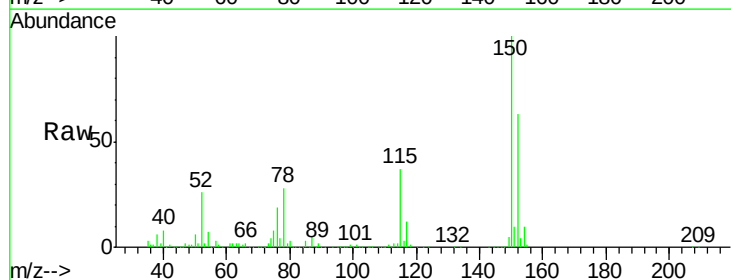
Instrument :
MSVOA_W
ClientSampleId :
S10B(10)

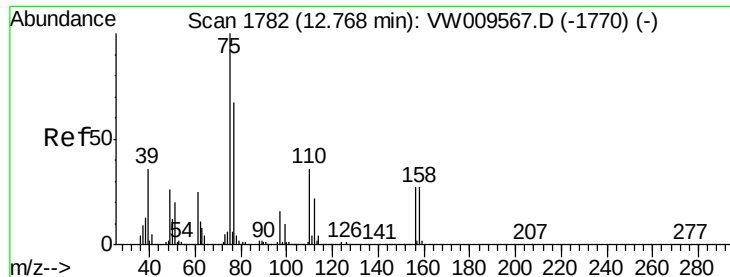
Tgt Ion:117 Resp: 456701
Ion Ratio Lower Upper
117 100
82 57.6 43.6 65.4
119 32.4 26.0 39.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW009697.D
Acq: 04 Apr 2019 15:33

Tgt Ion:152 Resp: 204960
Ion Ratio Lower Upper
152 100
115 58.9 29.6 88.8
150 158.6 0.0 349.2





#76

1,2,3-Trichloropropane

Concen: 38.145 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW009697.D

Acq: 04 Apr 2019 15:33

Instrument :

MSVOA_W

ClientSampleId :

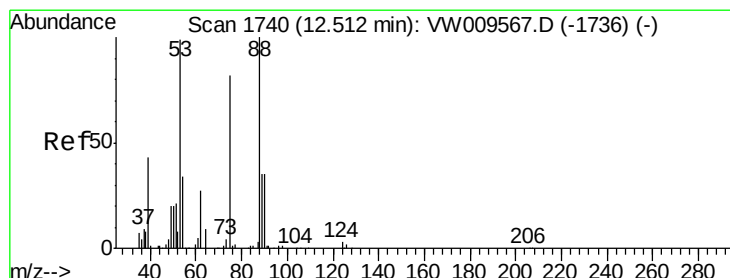
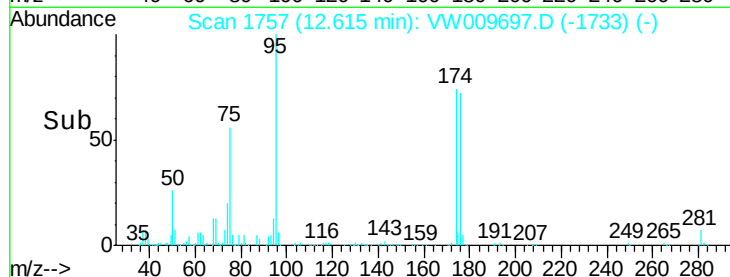
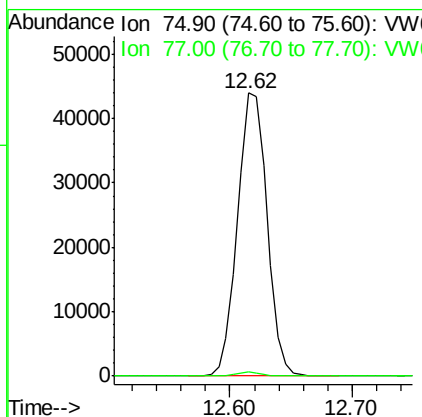
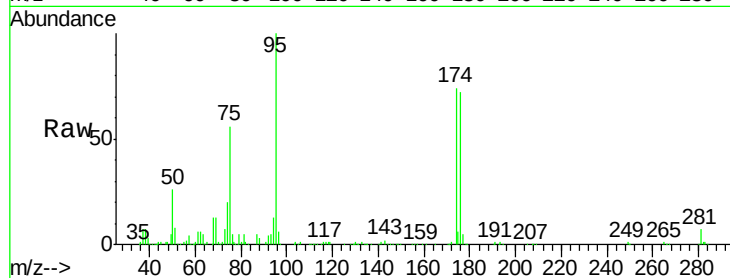
S10B(10)

Tgt Ion: 75 Resp: 73521

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 88.705 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW009697.D

Acq: 04 Apr 2019 15:33

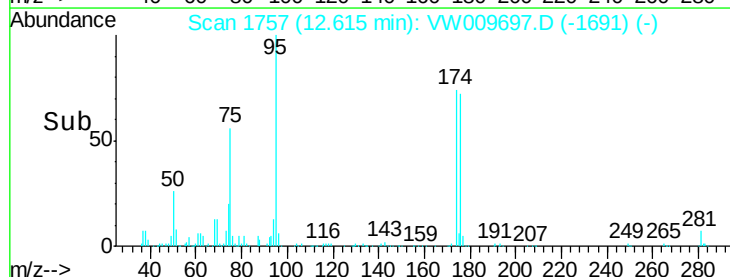
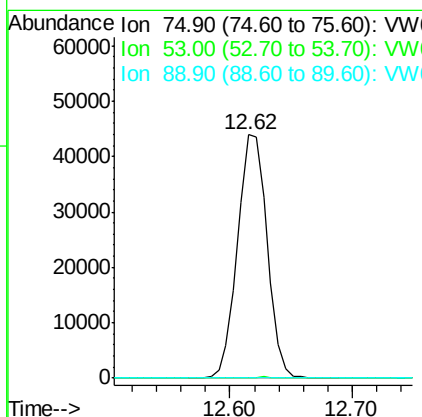
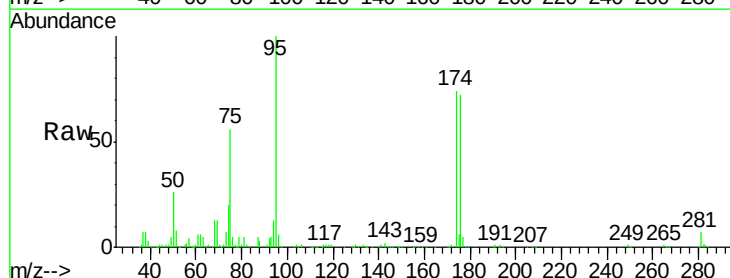
Tgt Ion: 75 Resp: 73521

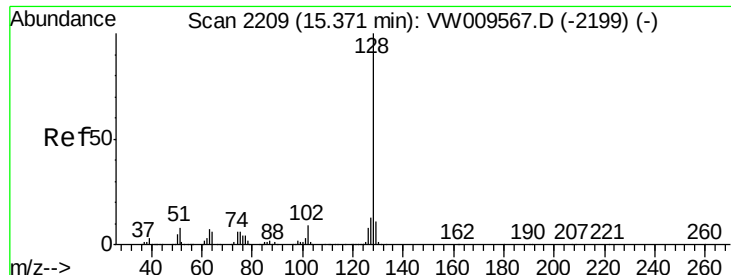
Ion Ratio Lower Upper

75 100

53 0.4 86.7 130.1#

89 0.0 36.4 54.6#





#95
Naphthalene
Concen: 2.859 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. -0.01 min
Lab File: VW009697.D
Acq: 04 Apr 2019 15:33

Instrument :
MSVOA_W
ClientSampleId :
S10B(10)

Tgt Ion	Ratio	Lower	Upper
128	100		
127	3.5	10.8	16.2#
129	2.7	8.7	13.1#

