

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW040419\
 Data File : VW009698.D
 Acq On : 04 Apr 2019 16:00
 Operator : SY/VA
 Sample : K2221-07
 Misc : 4.84G/5ML/MSVOA_W/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 S2B(10)

Quant Time: Apr 05 05:45:47 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

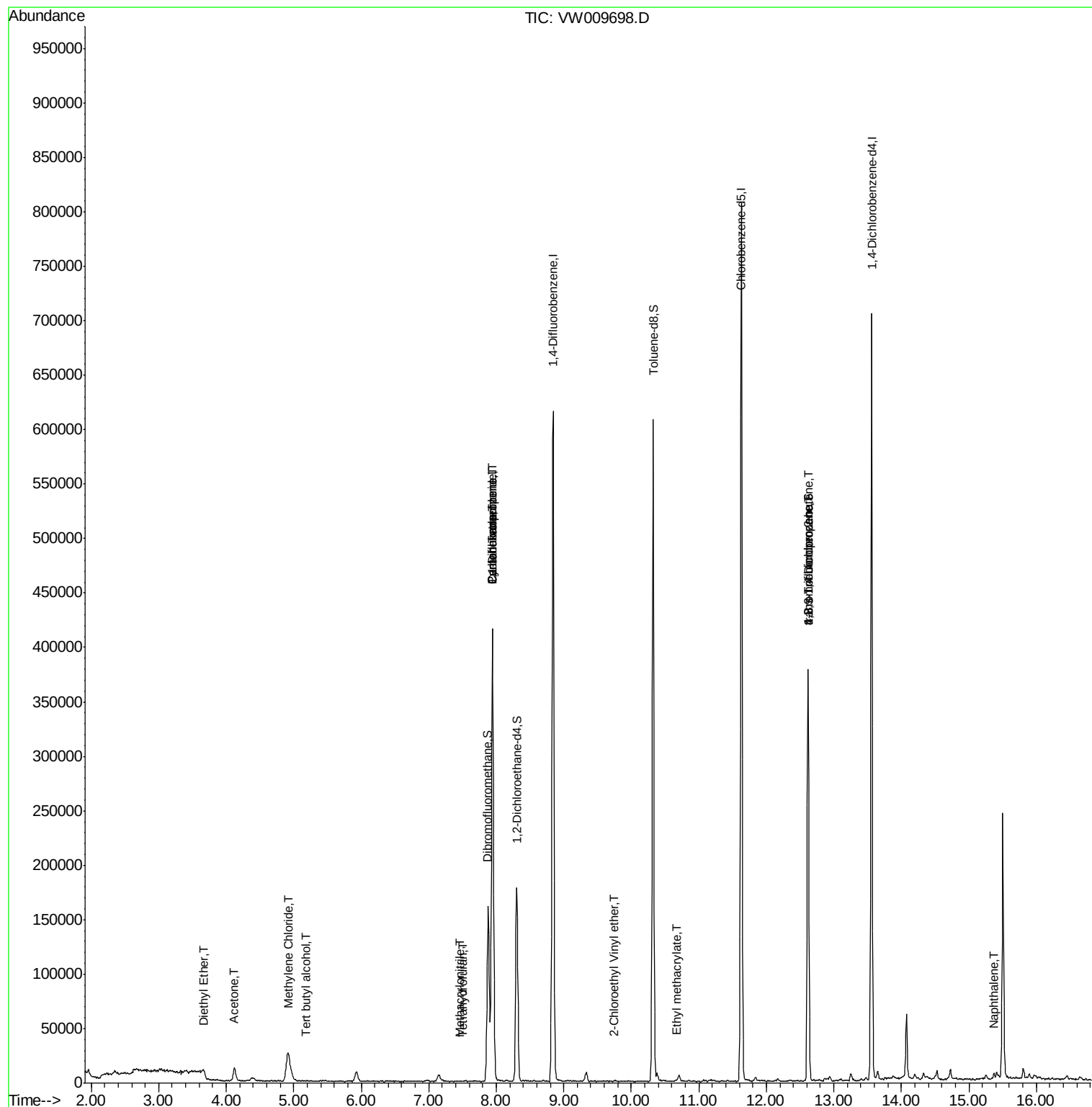
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	284738	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	478171	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	414860	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	161735	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	138894	42.66	ug/l	0.00
Spiked Amount 50.000			Recovery	=	85.32%	
35) Dibromofluoromethane	7.88	113	111575	37.15	ug/l	0.00
Spiked Amount 50.000			Recovery	=	74.30%	
50) Toluene-d8	10.32	98	369184	33.26	ug/l	0.00
Spiked Amount 50.000			Recovery	=	66.52%	
62) 4-Bromofluorobenzene	12.62	95	110337	26.64	ug/l	0.00
Spiked Amount 50.000			Recovery	=	53.28%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.02	85	104	Below Cal	#	41
8) Diethyl Ether	3.68	74	2402	1.634	ug/l	83
11) Tert butyl alcohol	5.18	59	368	1.949	ug/l #	70
16) Acetone	4.12	43	21385	29.211	ug/l	91
20) Methylene Chloride	4.92	84	24796	5.155	ug/l	98
29) Tetrahydrofuran	7.51	42	649	1.033	ug/l #	42
31) Cyclohexane	7.95	56	8856	1.653	ug/l #	19
36) 1,1-Dichloropropene	7.95	75	24958	5.046	ug/l #	52
38) Carbon Tetrachloride	7.95	117	29865	5.893	ug/l #	17
41) Methacrylonitrile	7.46	41	55	3.955	ug/l #	21
56) Ethyl methacrylate	10.67	69	335	3.885	ug/l #	19
58) 2-Chloroethyl Vinyl ether	9.74	63	180	17.117	ug/l #	46
76) 1,2,3-Trichloropropane	12.62	75	63026	41.439	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	63026	96.365	ug/l #	7
95) Naphthalene	15.38	128	3927	3.315	ug/l #	85

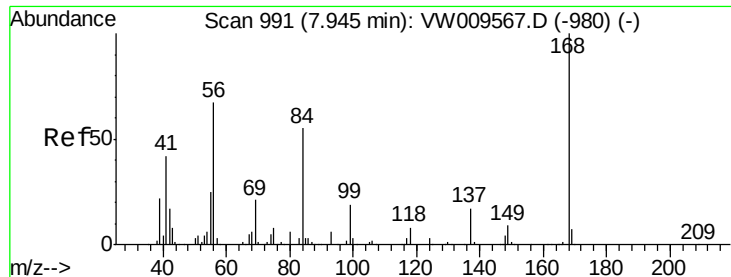
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW009698.D

Acq: 04 Apr 2019 16:00

Instrument :

MSVOA_W

ClientSampleId :

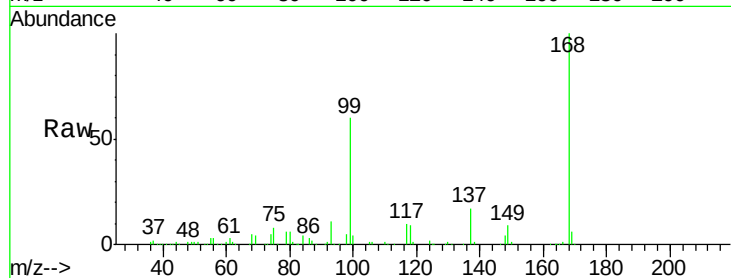
S2B(10)

Tgt Ion:168 Resp: 284738

Ion Ratio Lower Upper

168 100

99 59.6 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

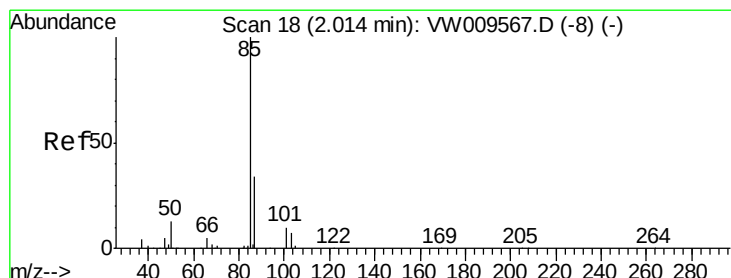
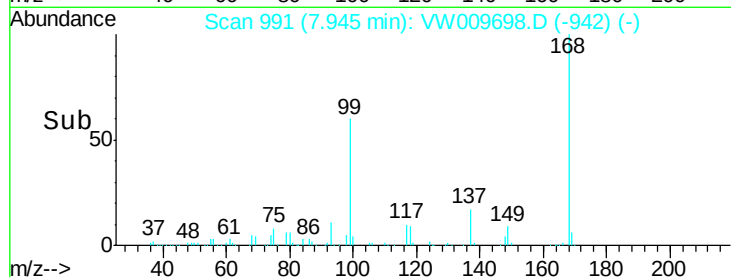
150000

100000

50000

0

Time--> 7.80 7.90 8.00



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 2.02 min Scan# 19

Delta R.T. 0.01 min

Lab File: VW009698.D

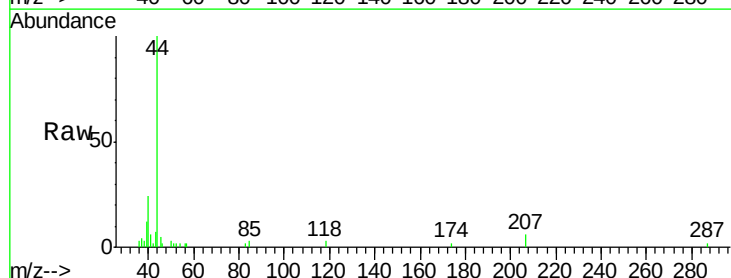
Acq: 04 Apr 2019 16:00

Tgt Ion: 85 Resp: 104

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

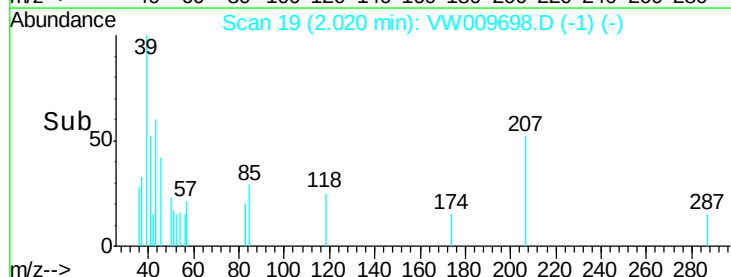
2.02

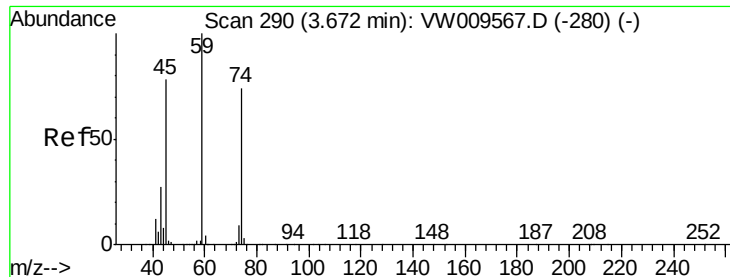
100

50

0

Time--> 2.00 2.02 2.04





#8

Diethyl Ether

Concen: 1.634 ug/l

RT: 3.68 min Scan# 291

Delta R.T. 0.01 min

Lab File: VW009698.D

Acq: 04 Apr 2019 16:00

Instrument :

MSVOA_W

ClientSampled :

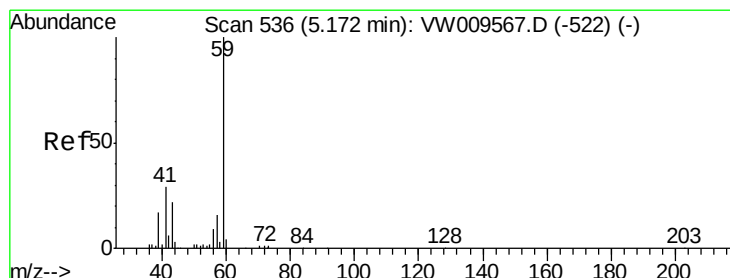
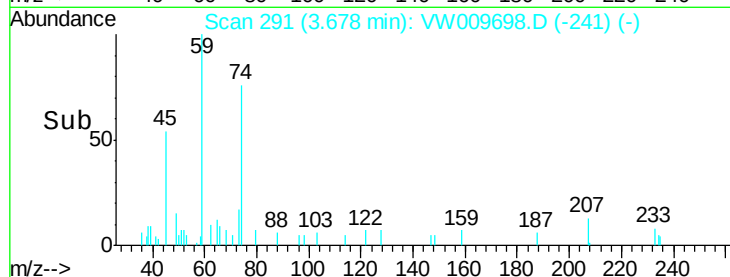
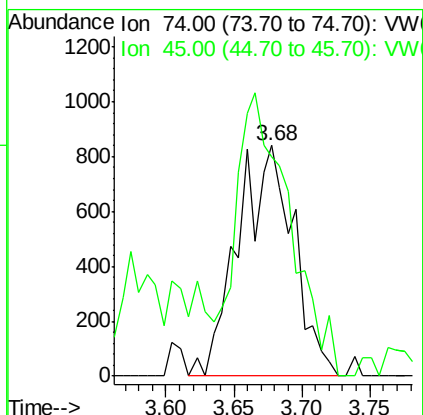
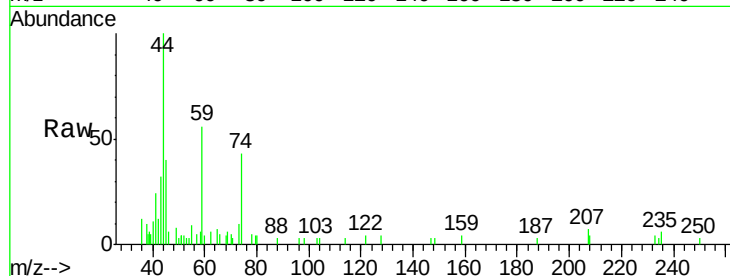
S2B(10)

Tgt Ion: 74 Resp: 2402

Ion Ratio Lower Upper

74 100

45 117.9 50.6 151.9



#11

Tert butyl alcohol

Concen: 1.949 ug/l

RT: 5.18 min Scan# 537

Delta R.T. 0.01 min

Lab File: VW009698.D

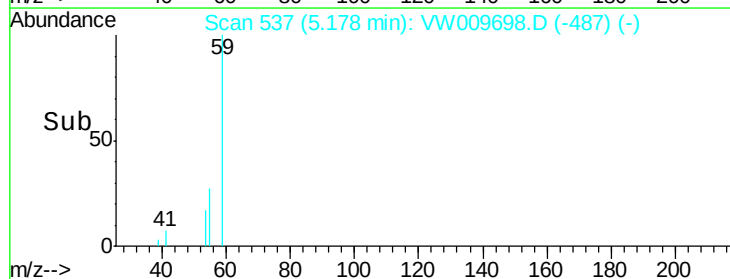
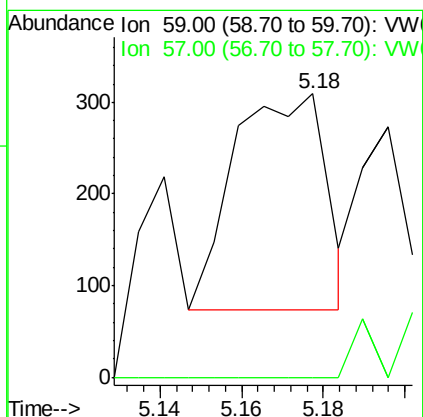
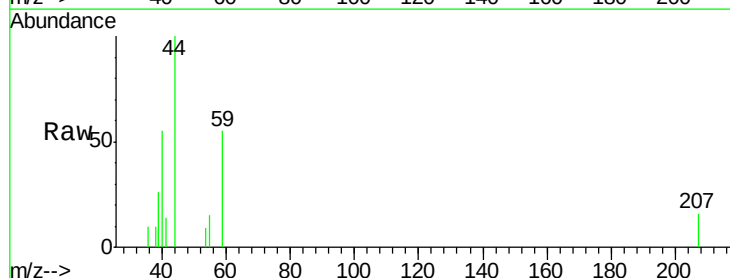
Acq: 04 Apr 2019 16:00

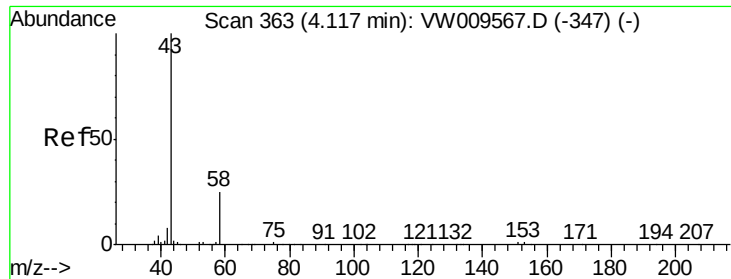
Tgt Ion: 59 Resp: 368

Ion Ratio Lower Upper

59 100

57 0.0 9.4 14.0#





#16

Acetone

Concen: 29.211 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW009698.D

Acq: 04 Apr 2019 16:00

Instrument :

MSVOA_W

ClientSampleId :

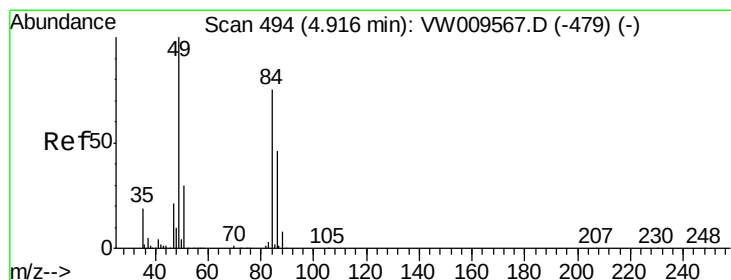
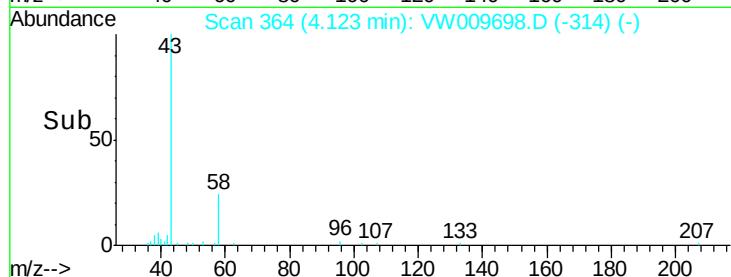
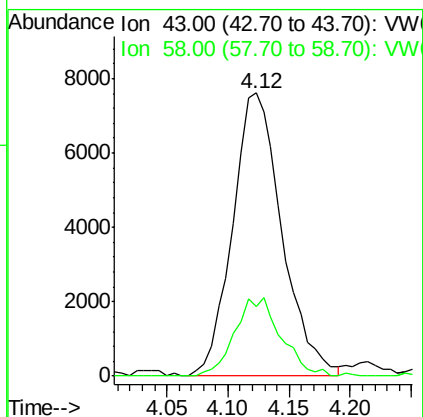
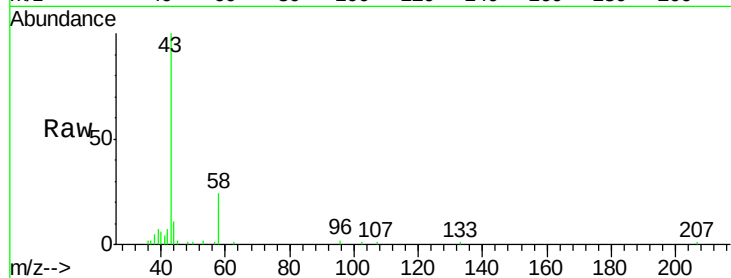
S2B(10)

Tgt Ion: 43 Resp: 21385

Ion Ratio Lower Upper

43 100

58 24.4 23.6 35.4



#20

Methylene Chloride

Concen: 5.155 ug/l

RT: 4.92 min Scan# 494

Delta R.T. 0.00 min

Lab File: VW009698.D

Acq: 04 Apr 2019 16:00

Tgt Ion: 84 Resp: 24796

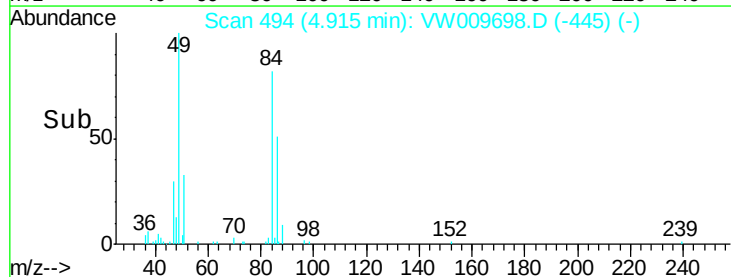
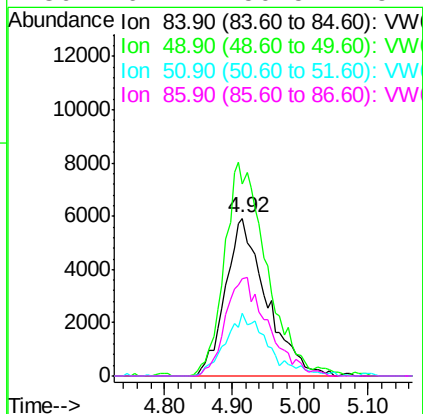
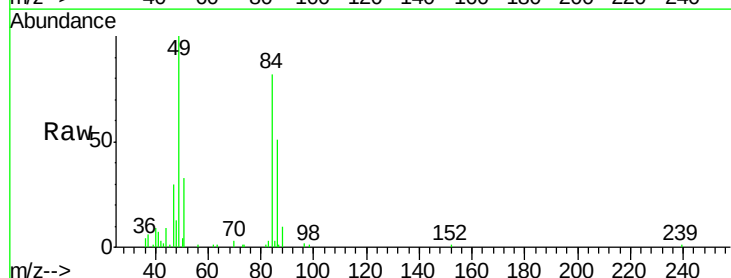
Ion Ratio Lower Upper

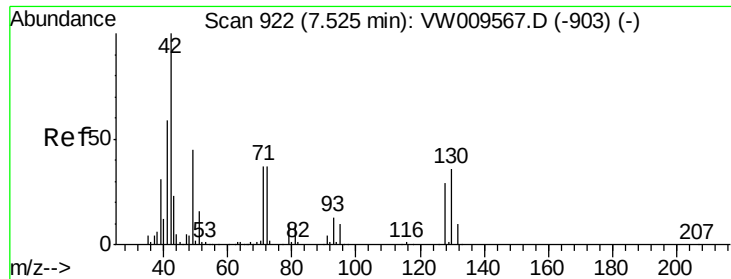
84 100

49 121.8 99.1 148.7

51 39.9 28.7 43.1

86 62.1 50.5 75.7

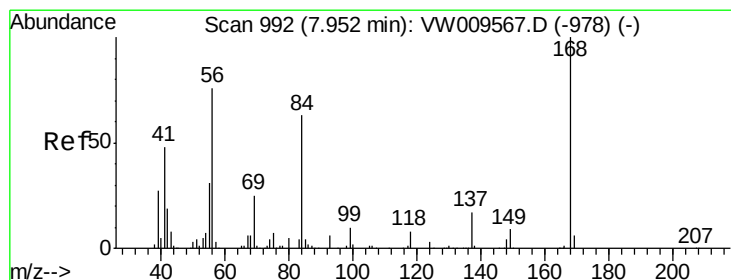
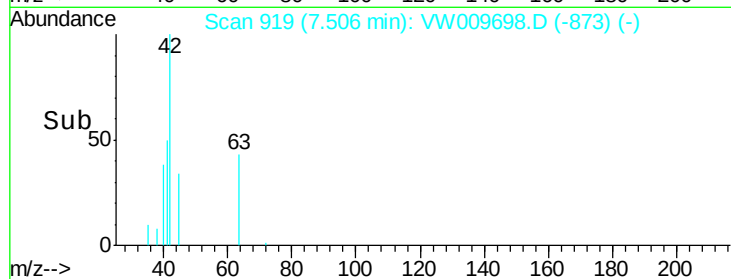
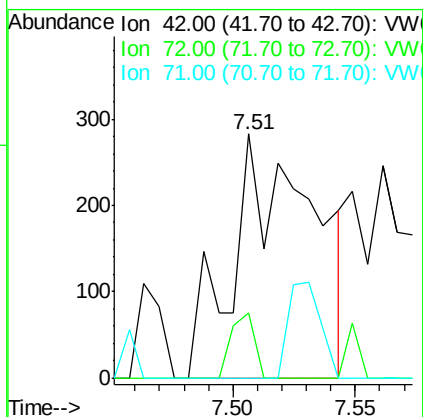
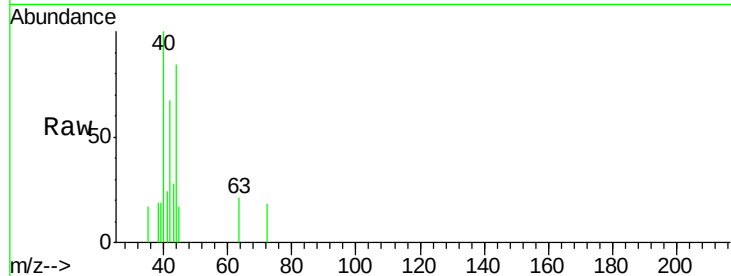




#29
Tetrahydrofuran
Concen: 1.033 ug/l
RT: 7.51 min Scan# 919
Delta R.T. -0.02 min
Lab File: VW009698.D
Acq: 04 Apr 2019 16:00

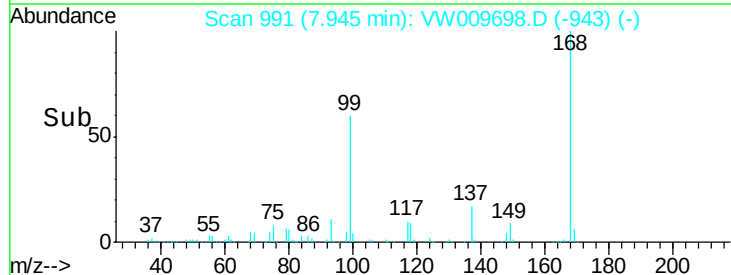
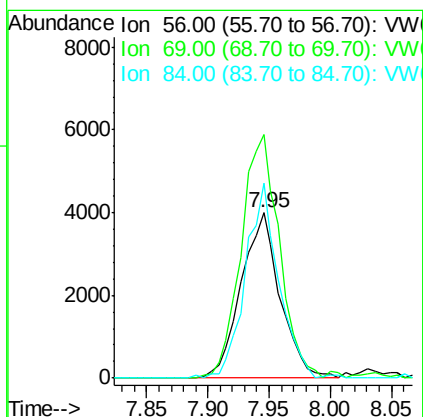
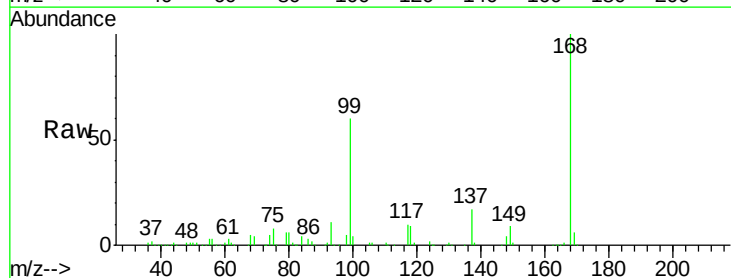
Instrument :
MSVOA_W
ClientSampled :
S2B(10)

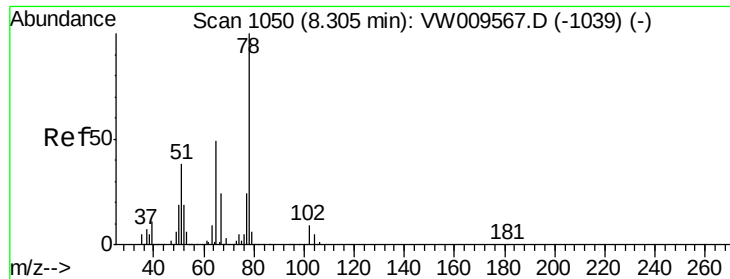
Tgt Ion: 42 Resp: 649
Ion Ratio Lower Upper
42 100
72 7.7 32.4 48.6#
71 0.0 30.1 45.1#



#31
Cyclohexane
Concen: 1.653 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW009698.D
Acq: 04 Apr 2019 16:00

Tgt Ion: 56 Resp: 8856
Ion Ratio Lower Upper
56 100
69 147.2 26.1 39.1#
84 117.7 68.6 103.0#

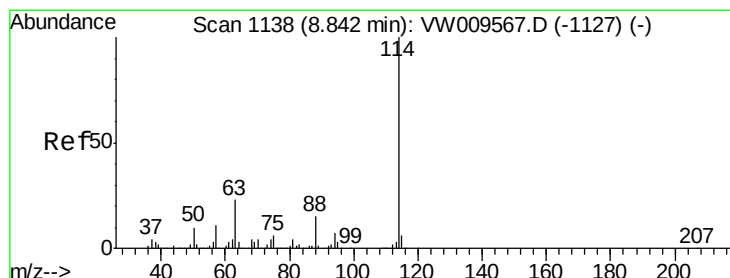
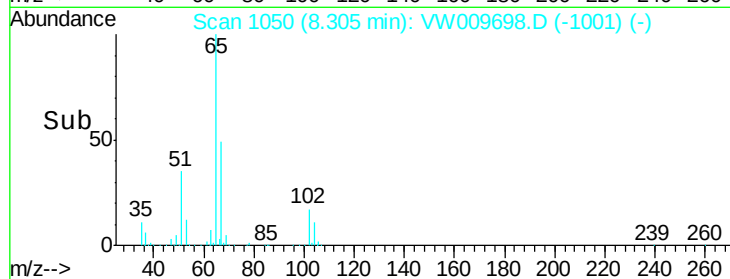
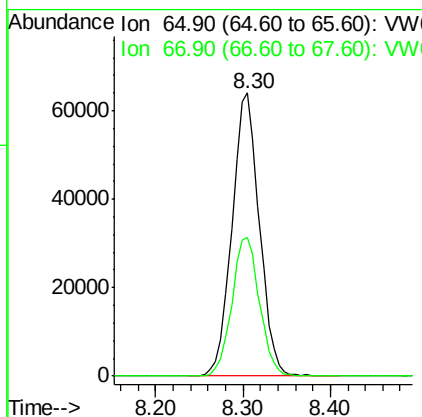
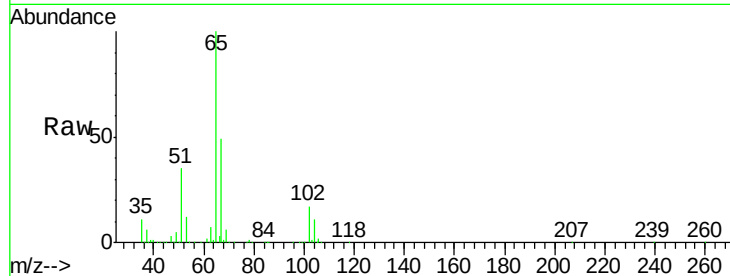




#33
 1,2-Dichloroethane-d4
 Concen: 42.657 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW009698.D
 Acq: 04 Apr 2019 16:00

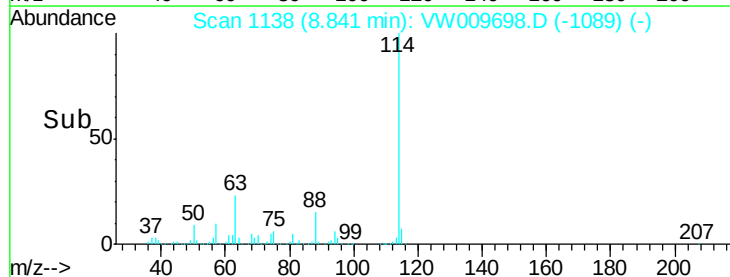
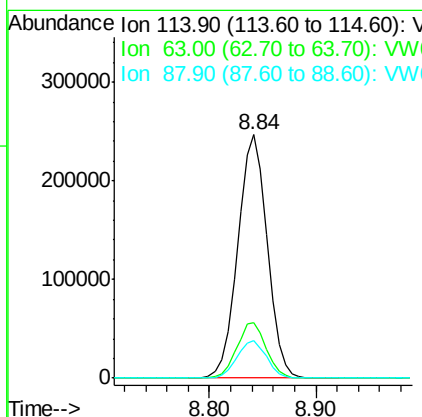
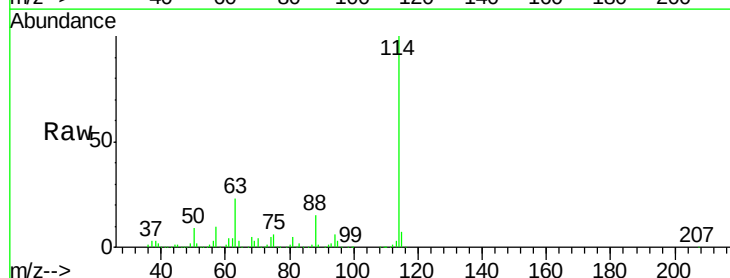
Instrument :
 MSVOA_W
 ClientSampleId :
 S2B(10)

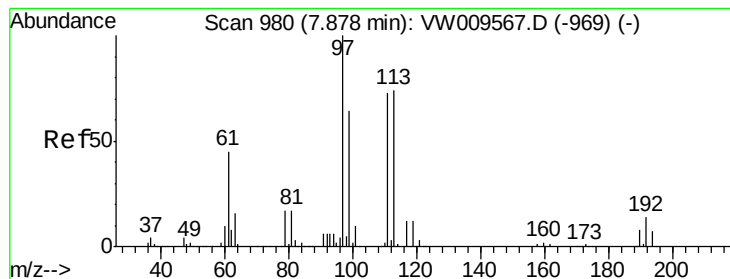
Tgt Ion: 65 Resp: 138894
 Ion Ratio Lower Upper
 65 100
 67 49.6 0.0 102.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW009698.D
 Acq: 04 Apr 2019 16:00

Tgt Ion: 114 Resp: 478171
 Ion Ratio Lower Upper
 114 100
 63 22.8 0.0 42.2
 88 15.3 0.0 30.8





#35

Dibromofluoromethane

Concen: 37.151 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.01 min

Lab File: VW009698.D

Acq: 04 Apr 2019 16:00

Instrument :

MSVOA_W

ClientSampleId :

S2B(10)

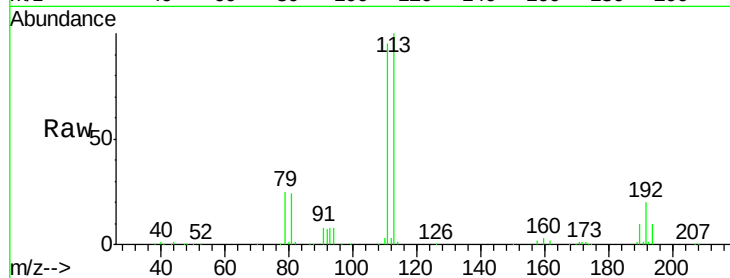
Tgt Ion:113 Resp: 111575

Ion Ratio Lower Upper

113 100

111 100.9 82.6 124.0

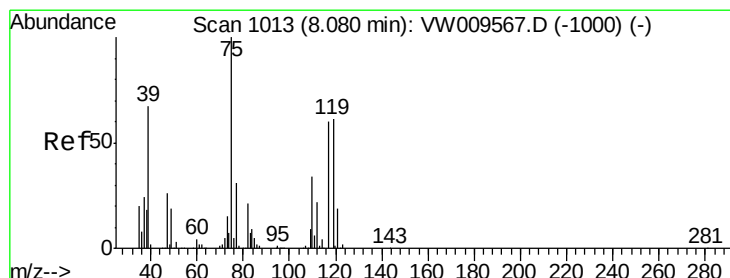
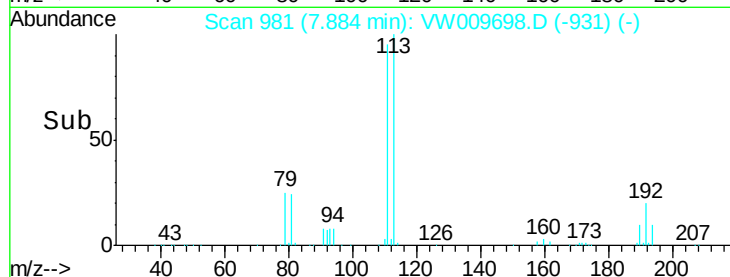
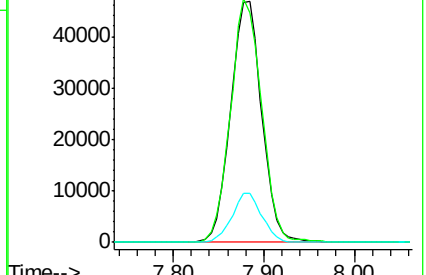
192 19.6 16.4 24.6



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 5.046 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW009698.D

Acq: 04 Apr 2019 16:00

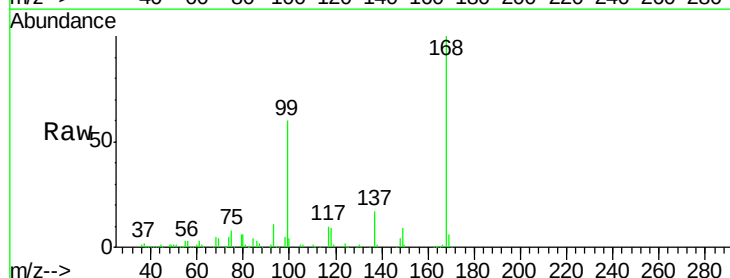
Tgt Ion: 75 Resp: 24958

Ion Ratio Lower Upper

75 100

110 9.3 16.8 50.4#

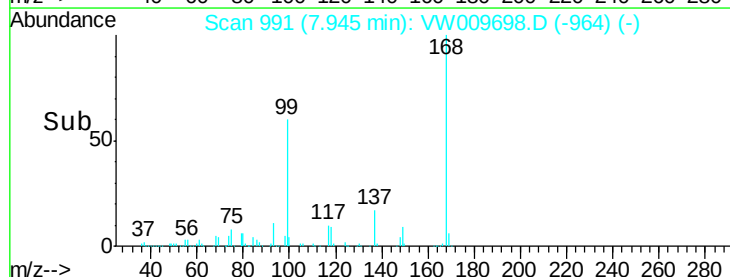
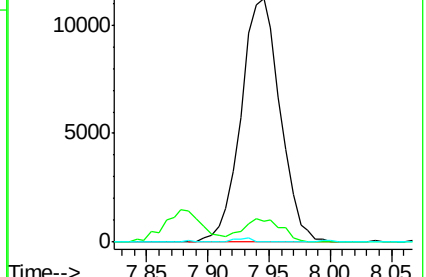
77 0.6 24.6 36.8#

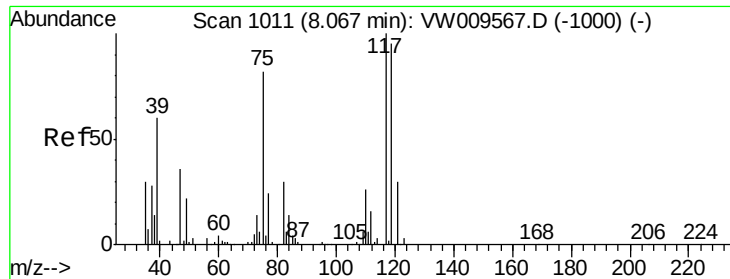


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

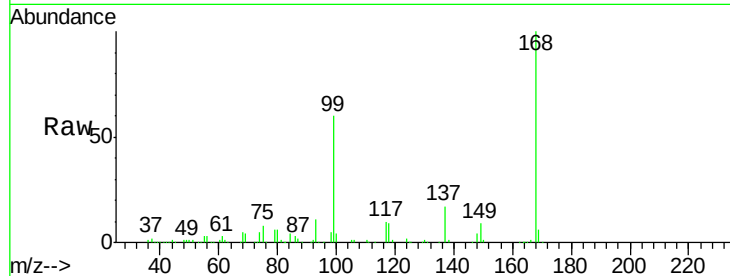




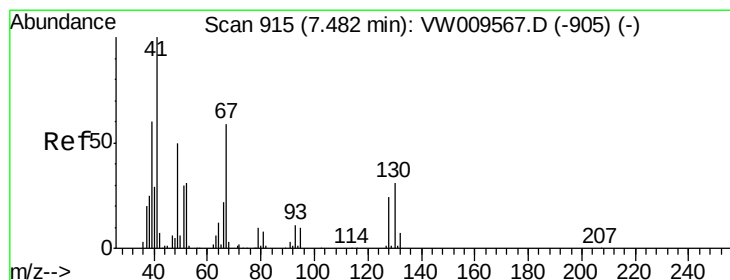
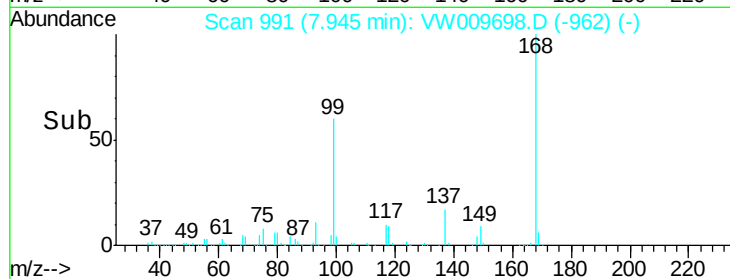
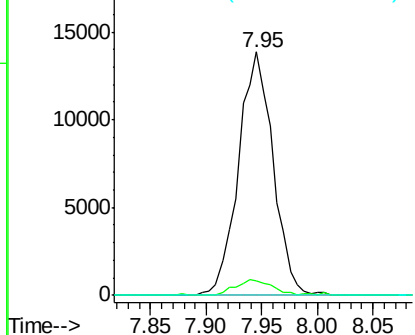
#38
Carbon Tetrachloride
Concen: 5.893 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.12 min
Lab File: VW009698.D
Acq: 04 Apr 2019 16:00

Instrument :
MSVOA_W
ClientSampled :
S2B(10)

Tgt Ion: 117 Resp: 29865
Ion Ratio Lower Upper
117 100
119 5.9 75.4 113.0#
121 0.0 24.9 37.3#

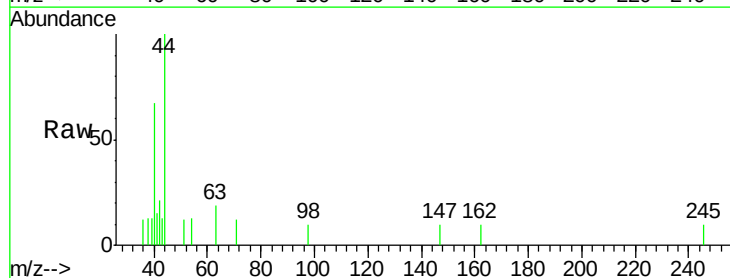


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

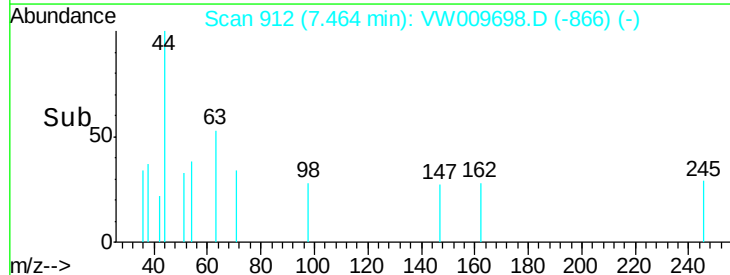
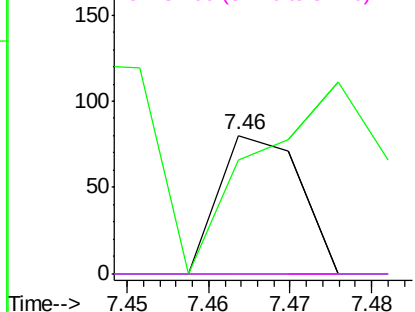


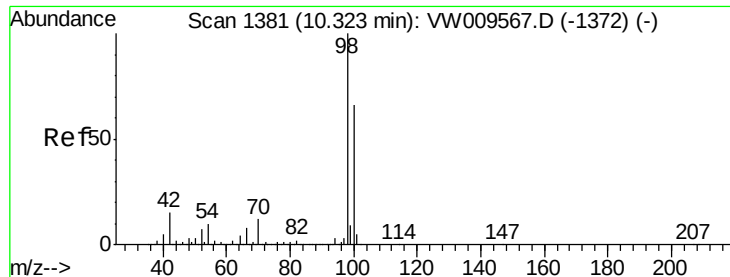
#41
Methacrylonitrile
Concen: 3.955 ug/l
RT: 7.46 min Scan# 912
Delta R.T. -0.02 min
Lab File: VW009698.D
Acq: 04 Apr 2019 16:00

Tgt Ion: 41 Resp: 55
Ion Ratio Lower Upper
41 100
39 0.0 52.5 78.7#
67 0.0 56.6 84.8#
52 0.0 27.2 40.8#



Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW





#50

Toluene-d8

Concen: 33.258 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW009698.D

Acq: 04 Apr 2019 16:00

Instrument :

MSVOA_W

ClientSampleId :

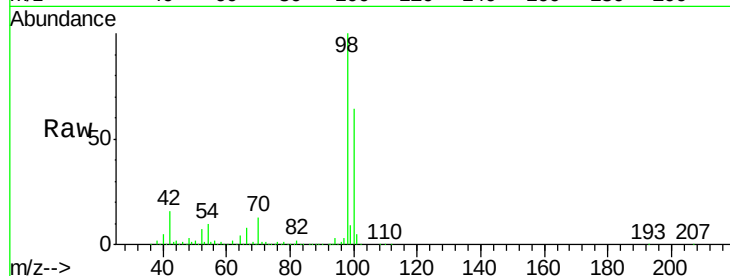
S2B(10)

Tgt Ion: 98 Resp: 369184

Ion Ratio Lower Upper

98 100

100 64.8 52.6 79.0



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

10.32

250000

200000

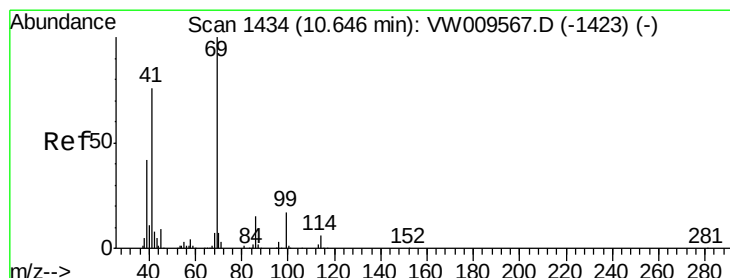
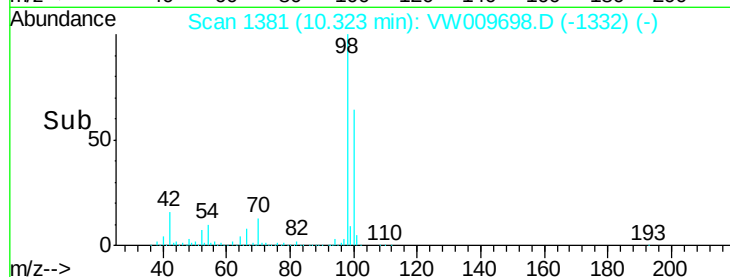
150000

100000

50000

0

Time-->



#56

Ethyl methacrylate

Concen: 3.885 ug/l

RT: 10.67 min Scan# 1438

Delta R.T. 0.02 min

Lab File: VW009698.D

Acq: 04 Apr 2019 16:00

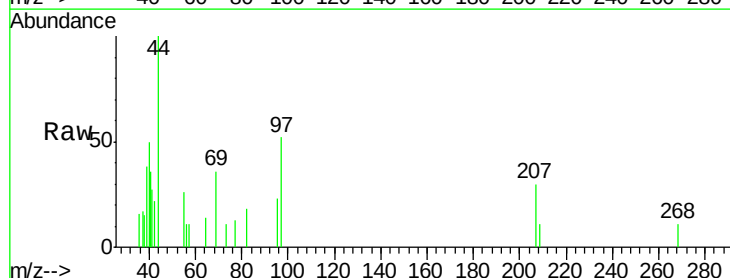
Tgt Ion: 69 Resp: 335

Ion Ratio Lower Upper

69 100

41 109.0 59.3 88.9#

39 140.6 36.2 54.2#



Abundance Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

400

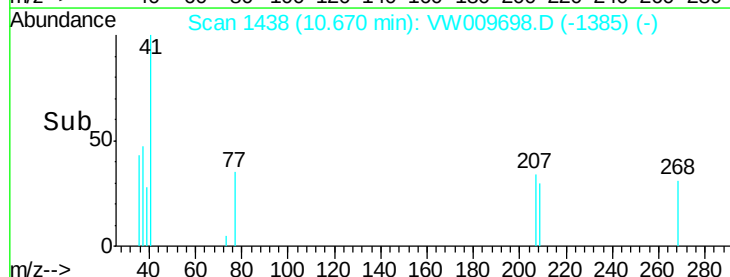
300

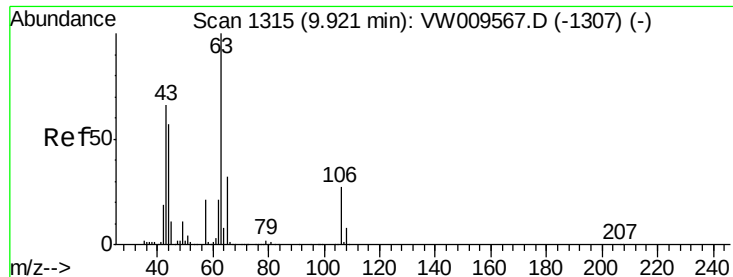
200

100

0

Time-->

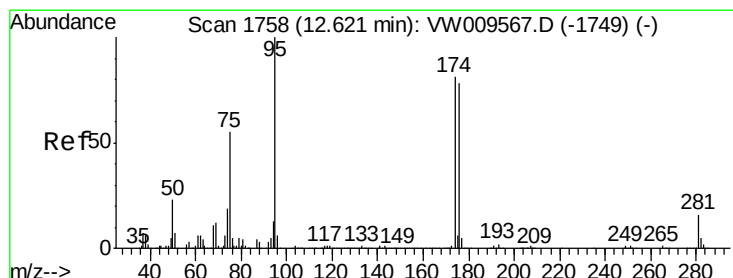
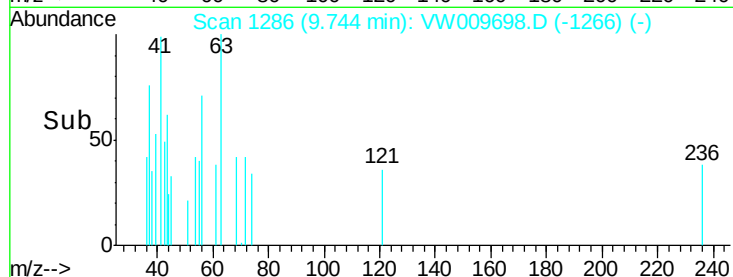
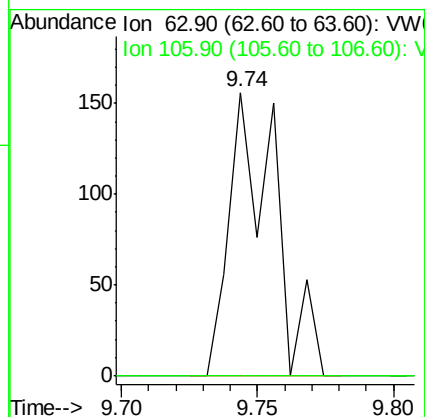
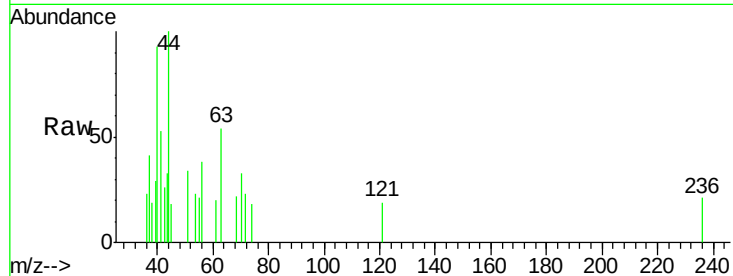




#58
 2-Chloroethyl Vinyl ether
 Concen: 17.117 ug/l
 RT: 9.74 min Scan# 1286
 Delta R.T. -0.18 min
 Lab File: VW009698.D
 Acq: 04 Apr 2019 16:00

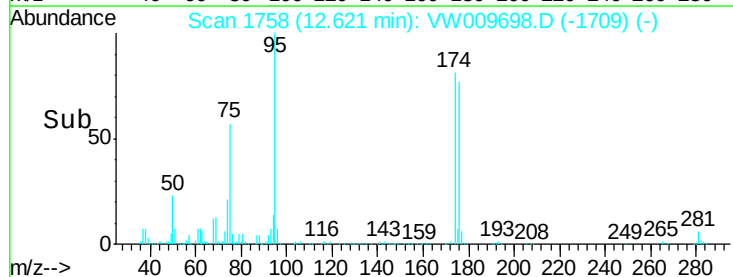
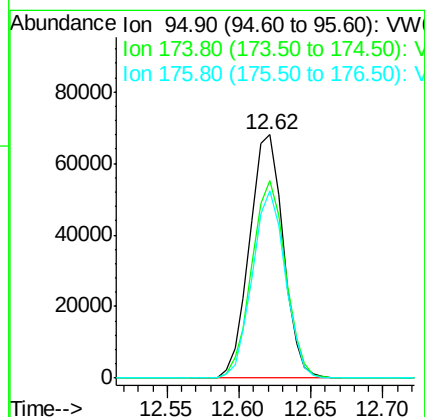
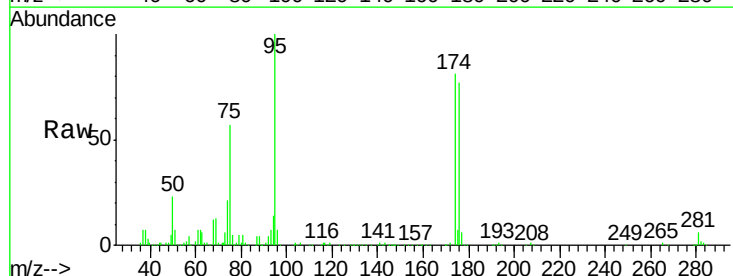
Instrument :
 MSVOA_W
 ClientSampleId :
 S2B(10)

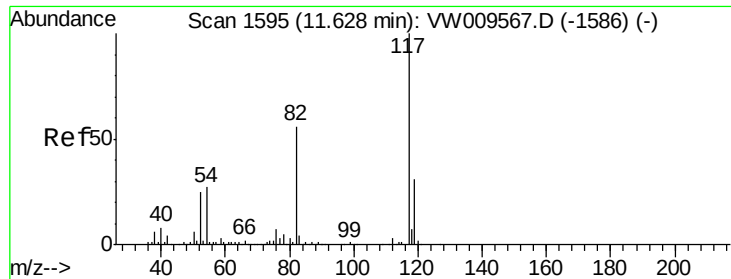
Tgt Ion: 63 Resp: 180
 Ion Ratio Lower Upper
 63 100
 106 0.0 22.9 34.3#



#62
 4-Bromofluorobenzene
 Concen: 26.644 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.00 min
 Lab File: VW009698.D
 Acq: 04 Apr 2019 16:00

Tgt Ion: 95 Resp: 110337
 Ion Ratio Lower Upper
 95 100
 174 81.0 0.0 168.4
 176 75.1 0.0 161.6

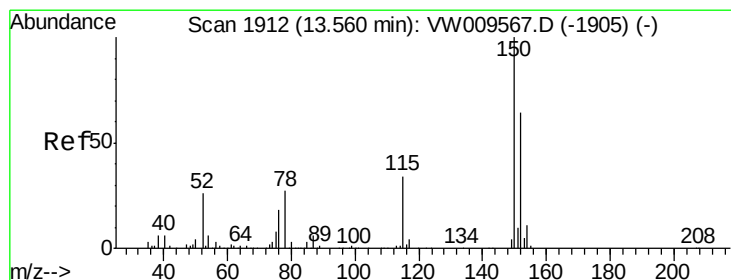
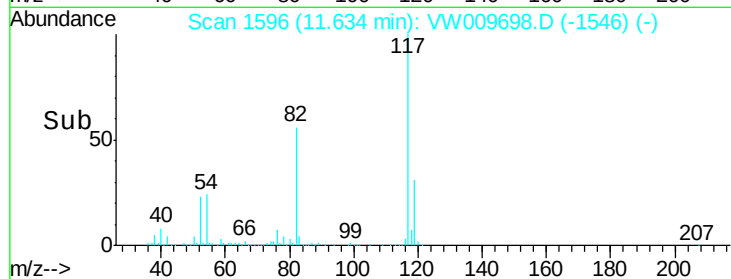
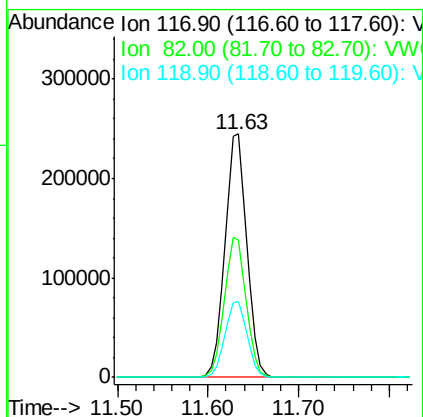
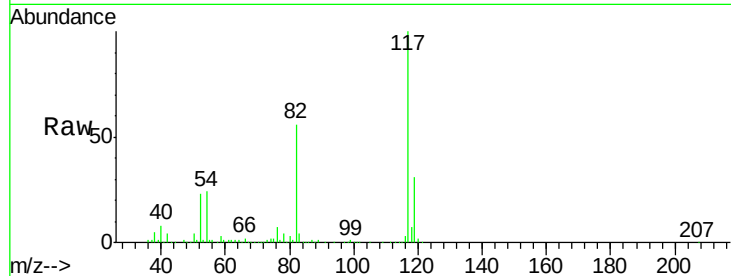




#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.63 min Scan# 1596
 Delta R.T. 0.01 min
 Lab File: VW009698.D
 Acq: 04 Apr 2019 16:00

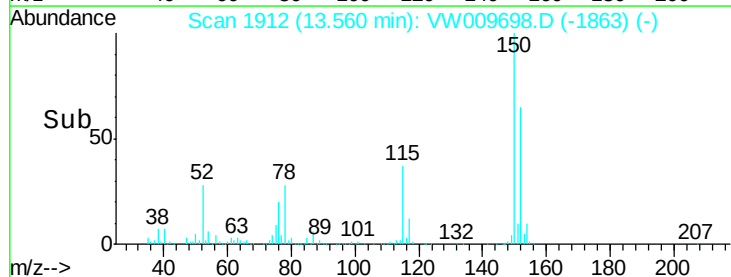
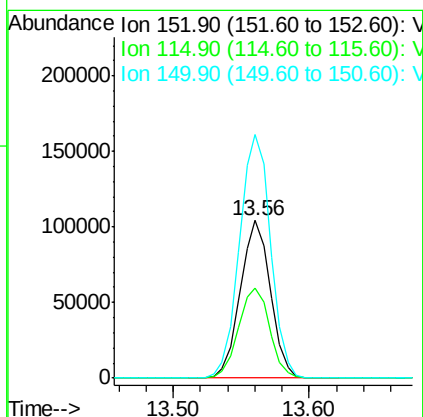
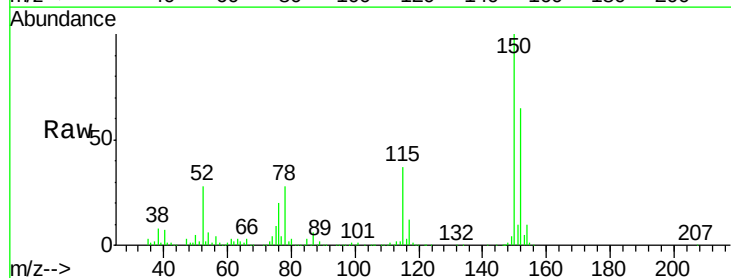
Instrument :
 MSVOA_W
 ClientSampleId :
 S2B(10)

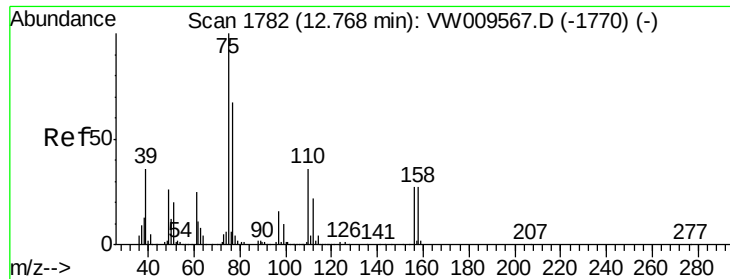
Tgt Ion:117 Resp: 414860
 Ion Ratio Lower Upper
 117 100
 82 56.4 43.6 65.4
 119 31.4 26.0 39.0



#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.56 min Scan# 1912
 Delta R.T. -0.00 min
 Lab File: VW009698.D
 Acq: 04 Apr 2019 16:00

Tgt Ion:152 Resp: 161735
 Ion Ratio Lower Upper
 152 100
 115 59.0 29.6 88.8
 150 158.8 0.0 349.2





#76

1,2,3-Trichloropropane

Concen: 41.439 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW009698.D

Acq: 04 Apr 2019 16:00

Instrument :

MSVOA_W

ClientSampleId :

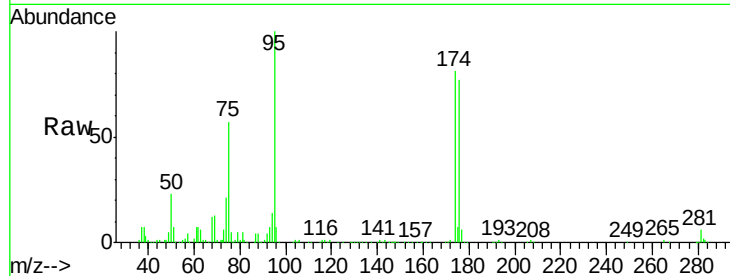
S2B(10)

Tgt Ion: 75 Resp: 63026

Ion Ratio Lower Upper

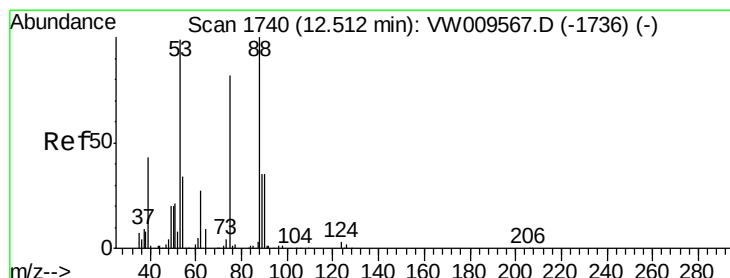
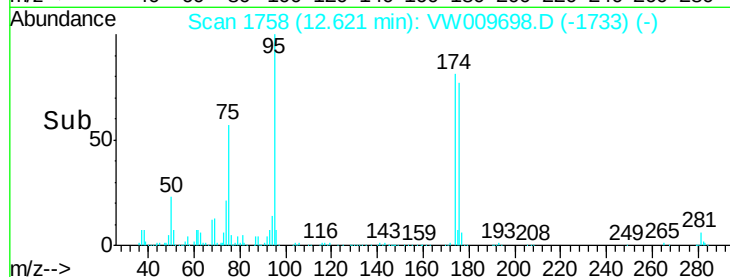
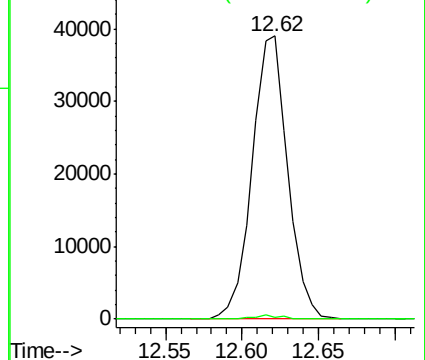
75 100

77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW



#81

trans-1,4-Dichloro-2-butene

Concen: 96.365 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW009698.D

Acq: 04 Apr 2019 16:00

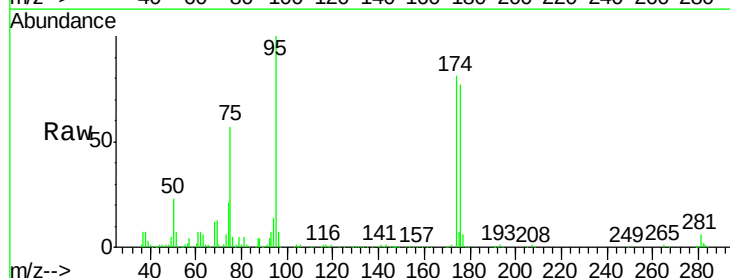
Tgt Ion: 75 Resp: 63026

Ion Ratio Lower Upper

75 100

53 0.4 86.7 130.1#

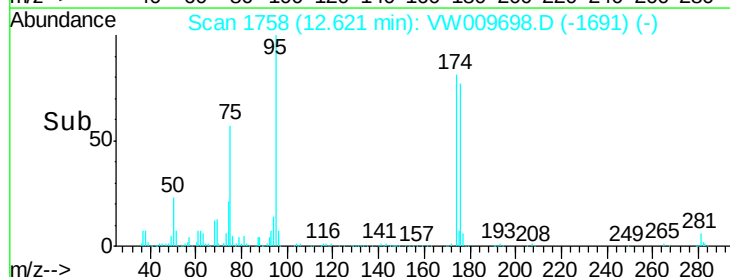
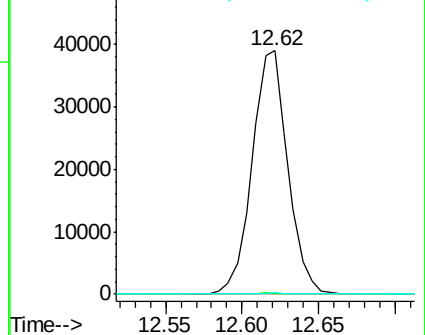
89 0.3 36.4 54.6#

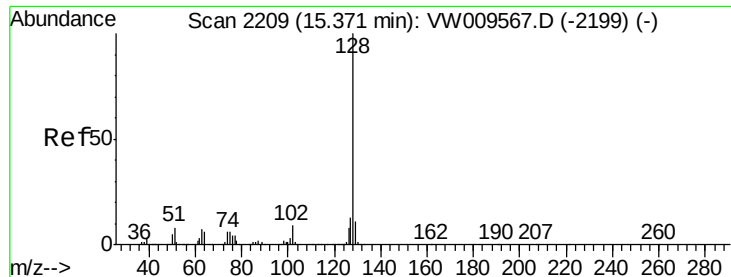


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW





#95
Naphthalene
Concen: 3.315 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. 0.01 min
Lab File: VW009698.D
Acq: 04 Apr 2019 16:00

Instrument :
MSVOA_W
ClientSampleId :
S2B(10)

Tgt Ion:128 Resp: 3927
Ion Ratio Lower Upper
128 100
127 23.8 10.8 16.2#
129 11.2 8.7 13.1

