

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW032919\
 Data File : VW009578.D
 Acq On : 29 Mar 2019 18:15
 Operator : SY/VA
 Sample : K2139-05
 Misc : 5.71G/5ML/MSVOA_W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 S7B(8)

Quant Time: Mar 30 04:28:24 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	241689	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	410621	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	371603	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	162021	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	179792	65.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	130.10%	
35) Dibromofluoromethane	7.88	113	146184	56.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.36%	
50) Toluene-d8	10.32	98	504187	52.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.78%	
62) 4-Bromofluorobenzene	12.62	95	161327	45.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.74%	

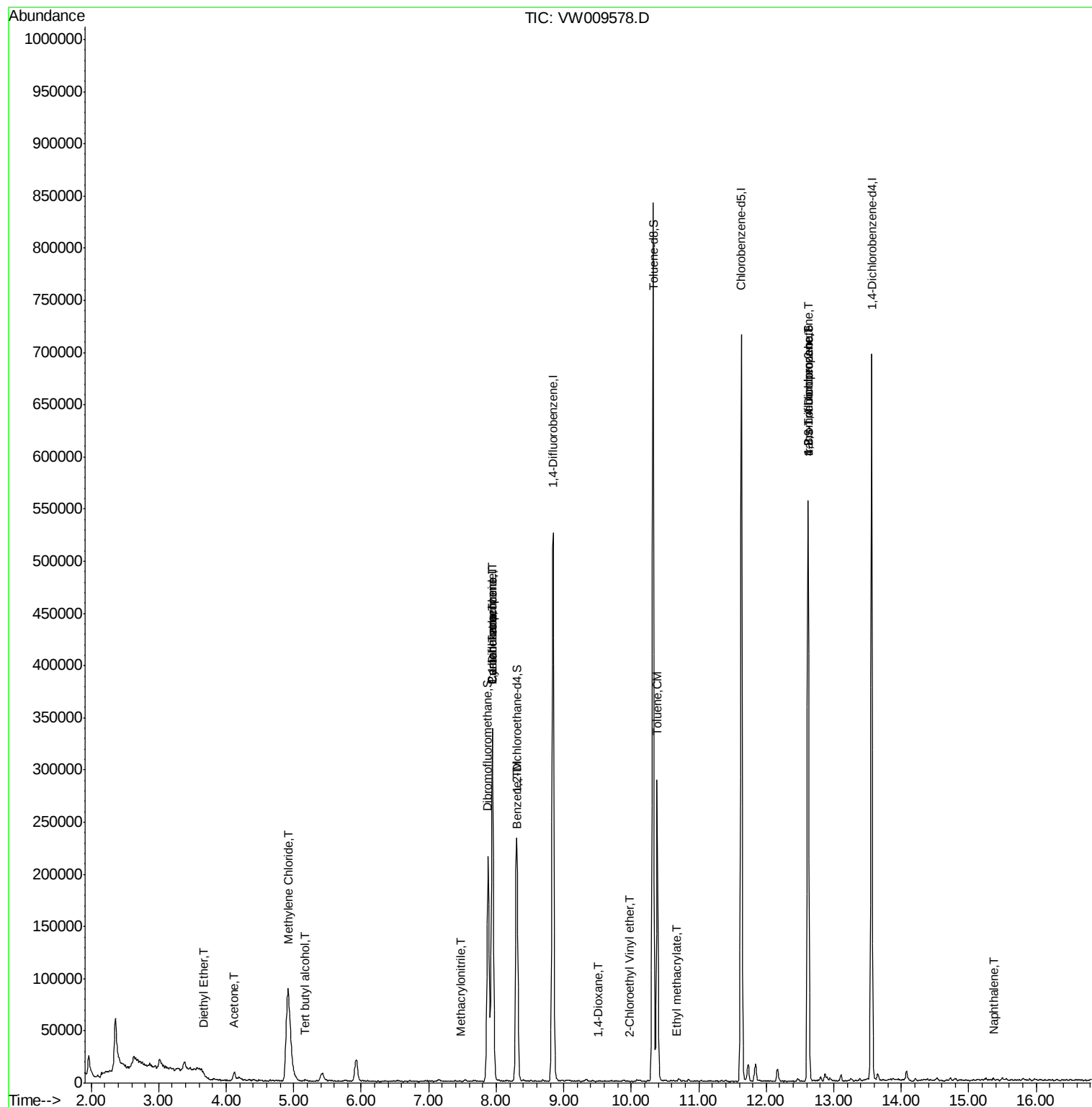
Target Compounds			Qvalue			
2) Dichlorodifluoromethane	2.01	85	60	Below Cal	#	41
8) Diethyl Ether	3.67	74	2006	1.608	ug/l	86
11) Tert butyl alcohol	5.17	59	885	5.523	ug/l #	70
16) Acetone	4.12	43	15094	24.290	ug/l	91
20) Methylene Chloride	4.92	84	88725	35.251	ug/l	96
31) Cyclohexane	7.95	56	8051	1.771	ug/l #	52
36) 1,1-Dichloropropene	7.95	75	20666	4.866	ug/l #	52
38) Carbon Tetrachloride	7.94	117	26061	5.988	ug/l #	19
40) Benzene	8.32	78	13764	1.196	ug/l	94
41) Methacrylonitrile	7.48	41	92	3.986	ug/l #	26
49) 1,4-Dioxane	9.50	88	57	2.399	ug/l #	22
52) Toluene	10.38	92	113350	15.734	ug/l	100
56) Ethyl methacrylate	10.67	69	79	3.821	ug/l #	9
58) 2-Chloroethyl Vinyl ether	9.97	63	44	17.045	ug/l #	46
76) 1,2,3-Trichloropropane	12.62	75	93828	61.582	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	93828	143.208	ug/l #	7
95) Naphthalene	15.38	128	1435	2.938	ug/l #	86

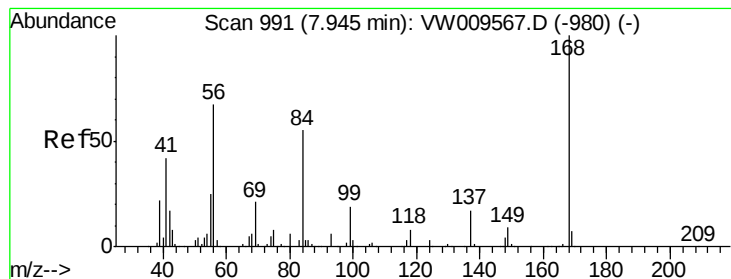
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW009578.D

Acq: 29 Mar 2019 18:15

Instrument :

MSVOA_W

ClientSampleId :

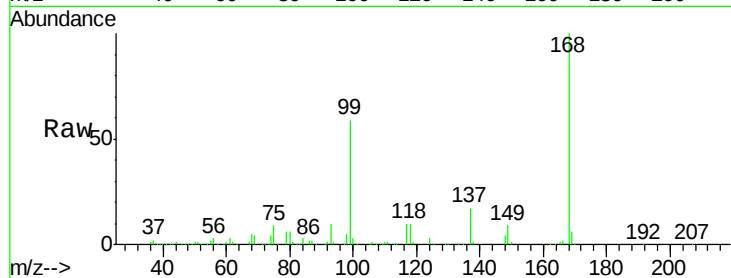
S7B(8)

Tgt Ion:168 Resp: 241689

Ion Ratio Lower Upper

168 100

99 58.9 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

120000

100000

80000

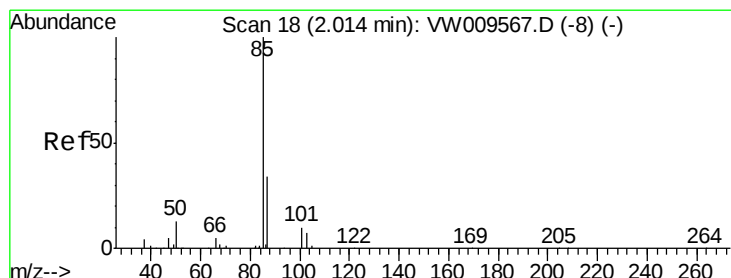
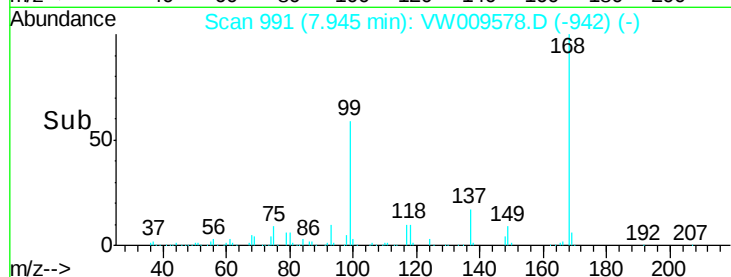
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW009578.D

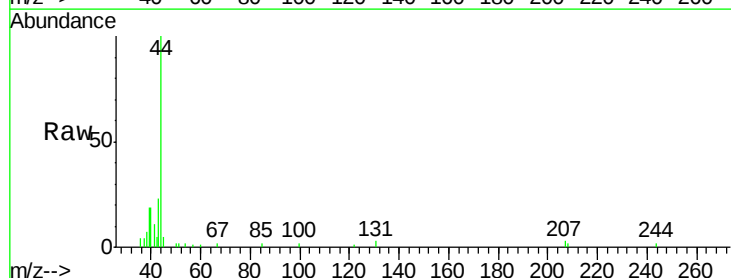
Acq: 29 Mar 2019 18:15

Tgt Ion: 85 Resp: 60

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

2.01

100

80

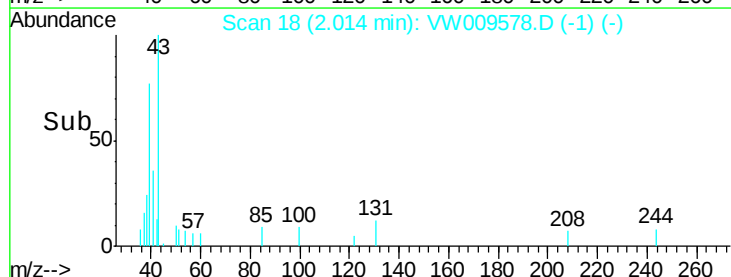
60

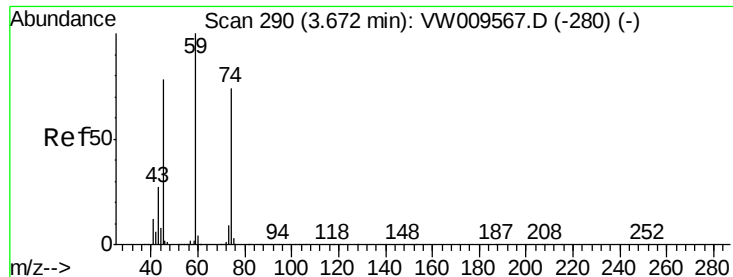
40

20

0

Time-->





#8

Diethyl Ether

Concen: 1.608 ug/l

RT: 3.67 min Scan# 289

Delta R.T. -0.01 min

Lab File: VW009578.D

Acq: 29 Mar 2019 18:15

Instrument :

MSVOA_W

ClientSampled :

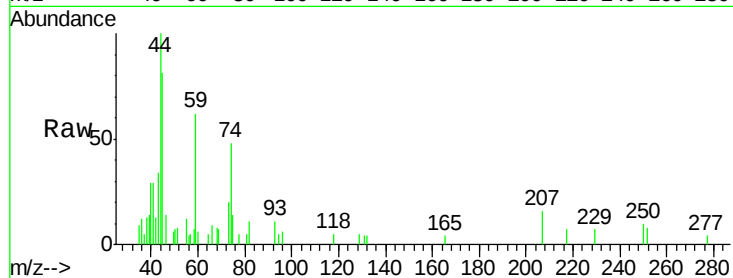
S7B(8)

Tgt Ion: 74 Resp: 2006

Ion Ratio Lower Upper

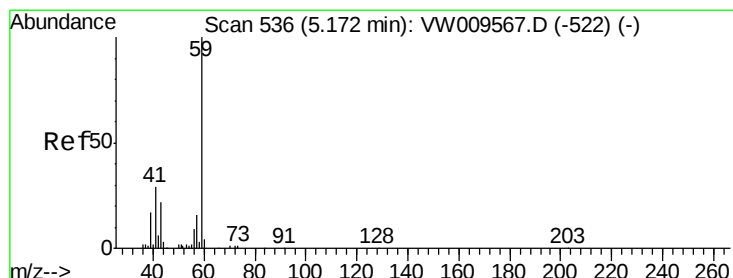
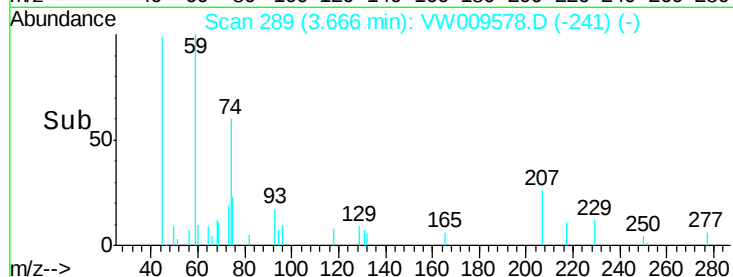
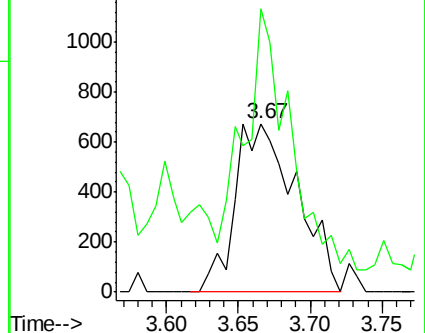
74 100

45 115.0 50.6 151.9



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW



#11

Tert butyl alcohol

Concen: 5.523 ug/l

RT: 5.17 min Scan# 536

Delta R.T. -0.00 min

Lab File: VW009578.D

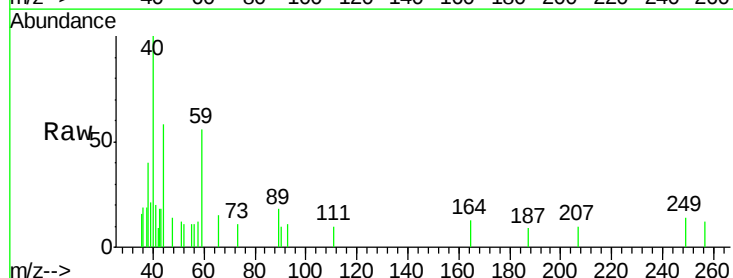
Acq: 29 Mar 2019 18:15

Tgt Ion: 59 Resp: 885

Ion Ratio Lower Upper

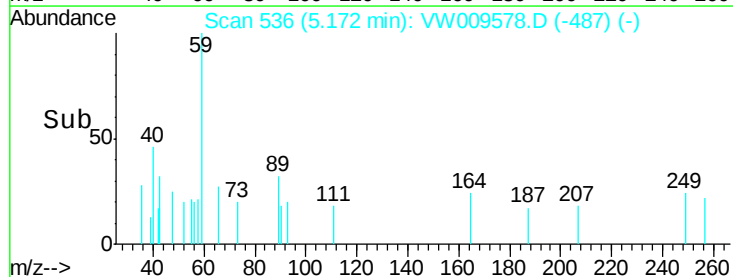
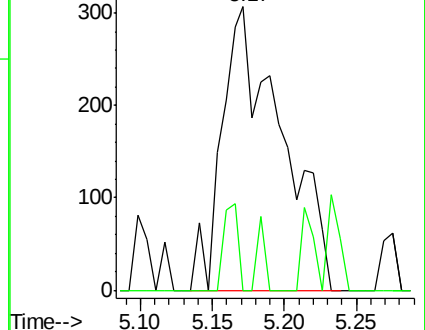
59 100

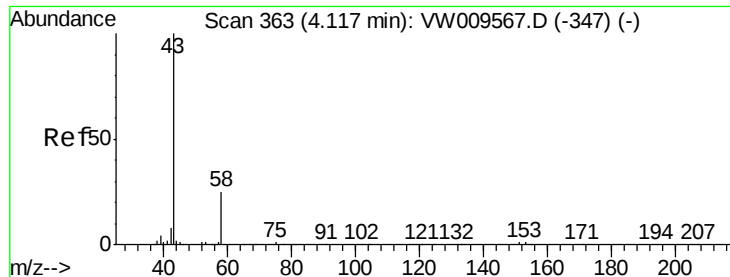
57 0.0 9.4 14.0#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

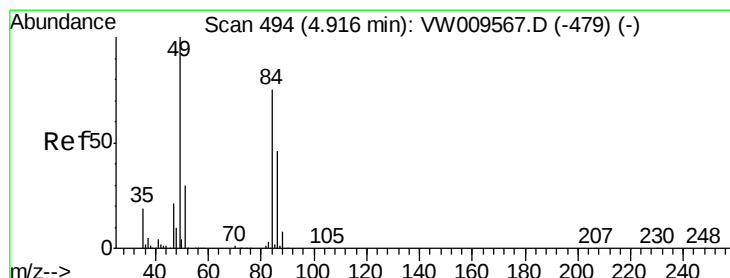
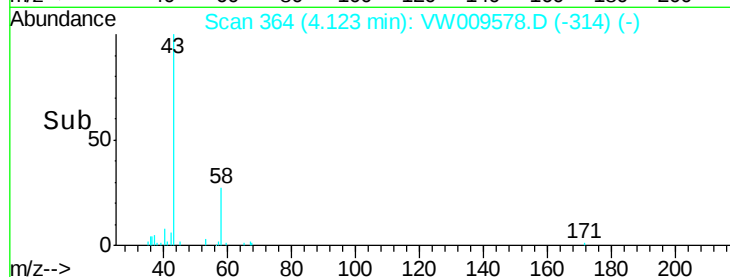
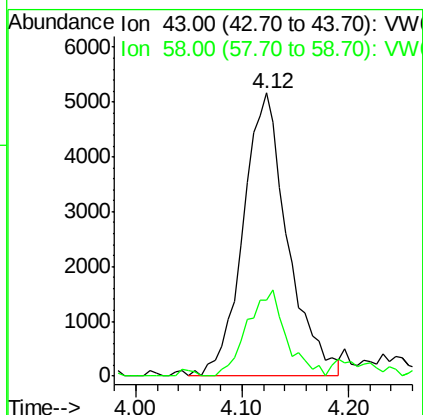
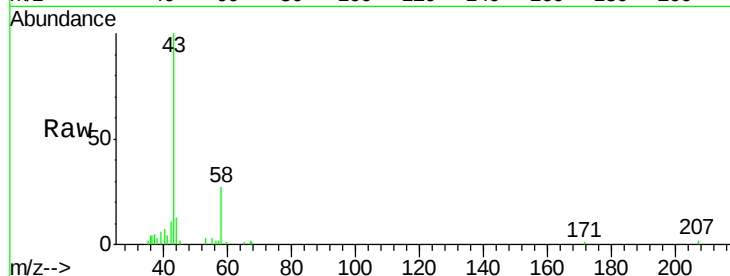




#16
Acetone
Concen: 24.290 ug/l
RT: 4.12 min Scan# 364
Delta R.T. 0.01 min
Lab File: VW009578.D
Acq: 29 Mar 2019 18:15

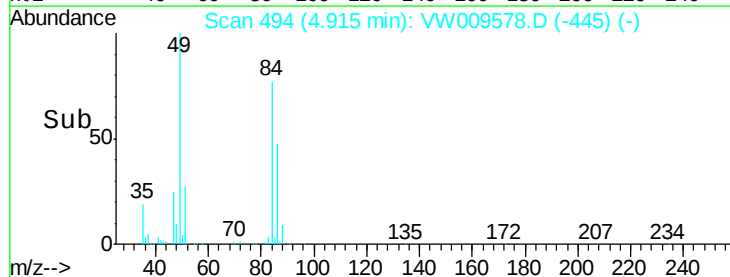
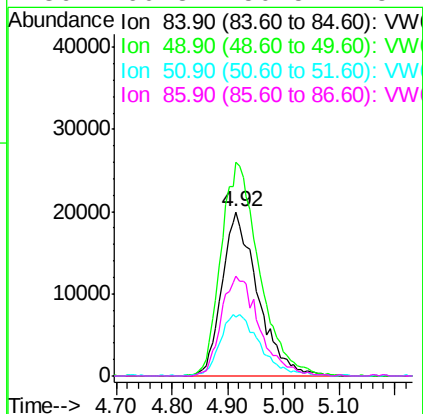
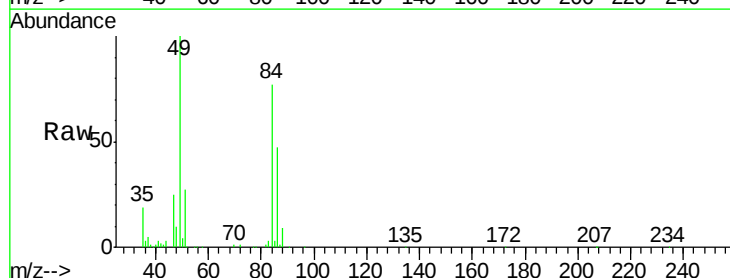
Instrument :
MSVOA_W
ClientSampleId :
S7B(8)

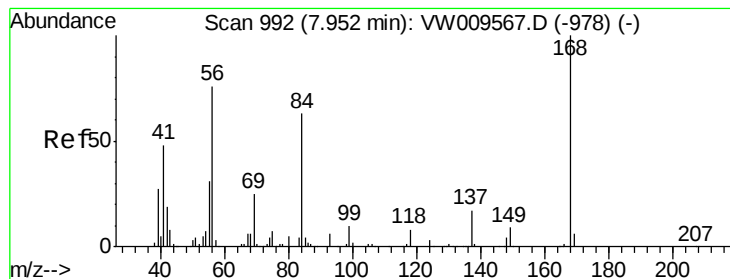
Tgt Ion: 43 Resp: 15094
Ion Ratio Lower Upper
43 100
58 24.8 23.6 35.4



#20
Methylene Chloride
Concen: 35.251 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW009578.D
Acq: 29 Mar 2019 18:15

Tgt Ion: 84 Resp: 88725
Ion Ratio Lower Upper
84 100
49 129.5 99.1 148.7
51 35.4 28.7 43.1
86 60.8 50.5 75.7





#31

Cyclohexane

Concen: 1.771 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW009578.D

Acq: 29 Mar 2019 18:15

Instrument :

MSVOA_W

ClientSampleId :

S7B(8)

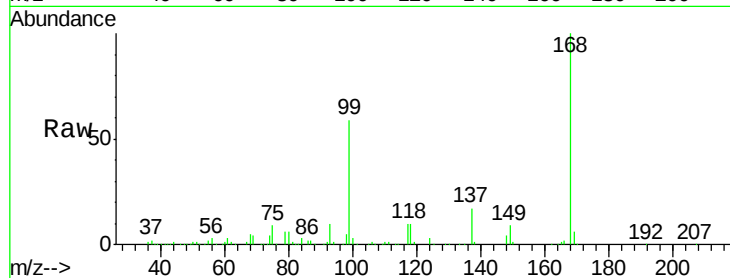
Tgt Ion: 56 Resp: 8051

Ion Ratio Lower Upper

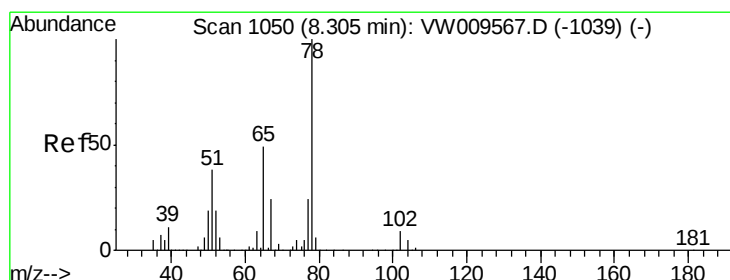
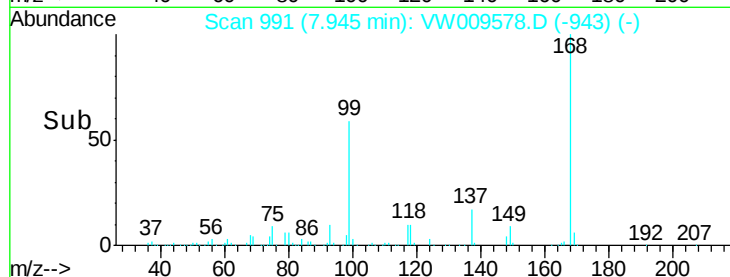
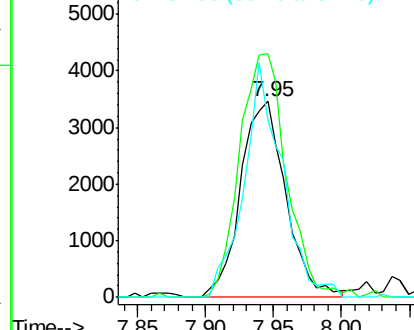
56 100

69 124.2 26.1 39.1#

84 90.0 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: 65.052 ug/l

RT: 8.30 min Scan# 1049

Delta R.T. -0.01 min

Lab File: VW009578.D

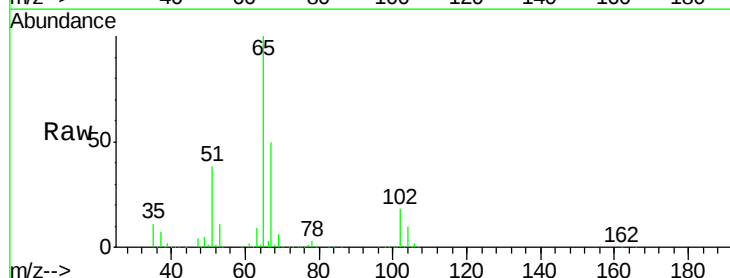
Acq: 29 Mar 2019 18:15

Tgt Ion: 65 Resp: 179792

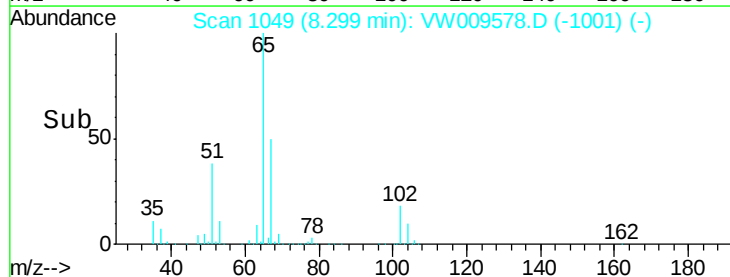
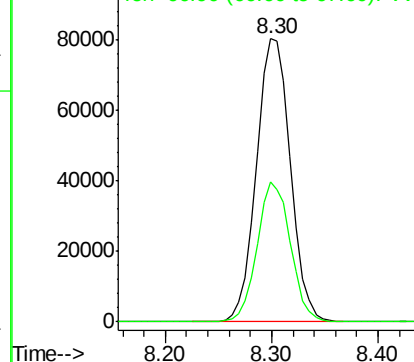
Ion Ratio Lower Upper

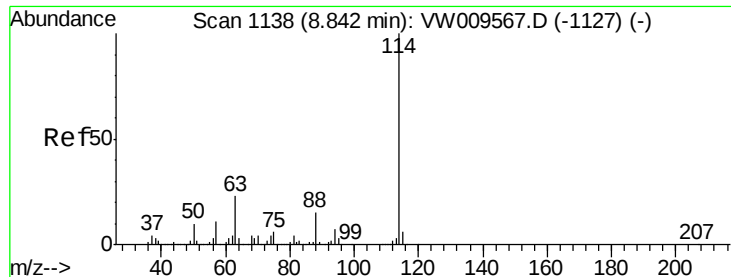
65 100

67 48.4 0.0 102.4



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

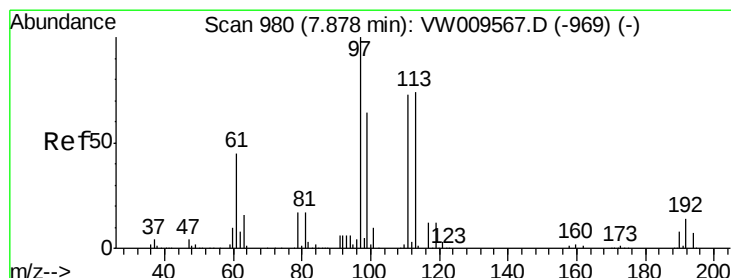
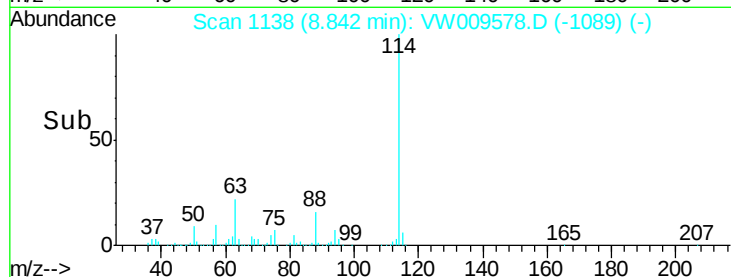
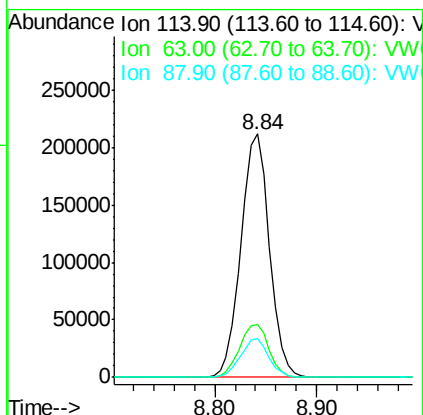
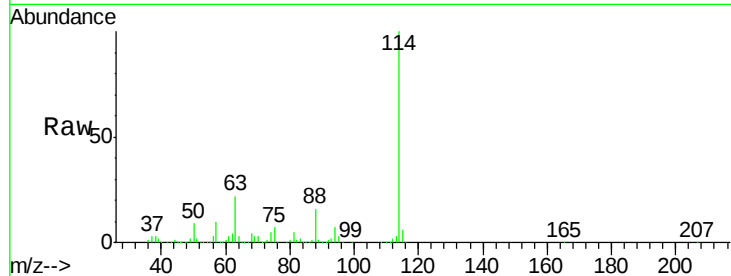




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW009578.D
 Acq: 29 Mar 2019 18:15

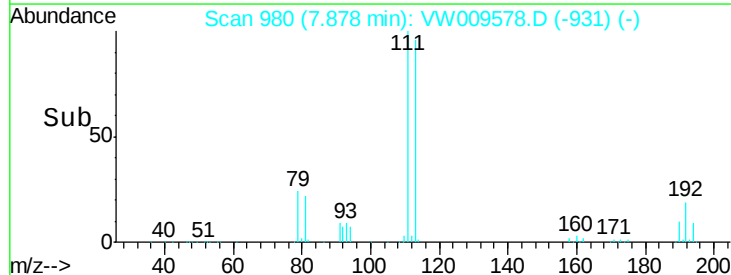
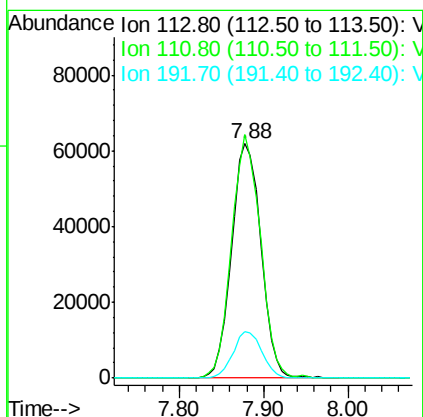
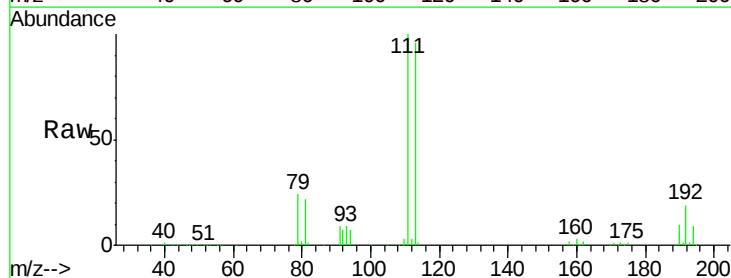
Instrument :
 MSVOA_W
 ClientSampleId :
 S7B(8)

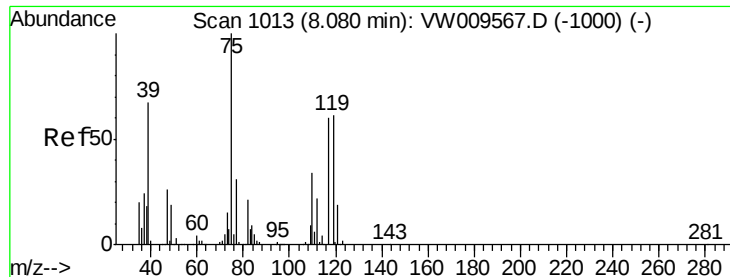
Tgt Ion:114 Resp: 410621
 Ion Ratio Lower Upper
 114 100
 63 21.9 0.0 42.2
 88 16.1 0.0 30.8



#35
 Dibromofluoromethane
 Concen: 56.682 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.00 min
 Lab File: VW009578.D
 Acq: 29 Mar 2019 18:15

Tgt Ion:113 Resp: 146184
 Ion Ratio Lower Upper
 113 100
 111 102.0 82.6 124.0
 192 19.7 16.4 24.6





#36

1,1-Dichloropropene

Concen: 4.866 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW009578.D

Acq: 29 Mar 2019 18:15

Instrument :

MSVOA_W

ClientSampleId :

S7B(8)

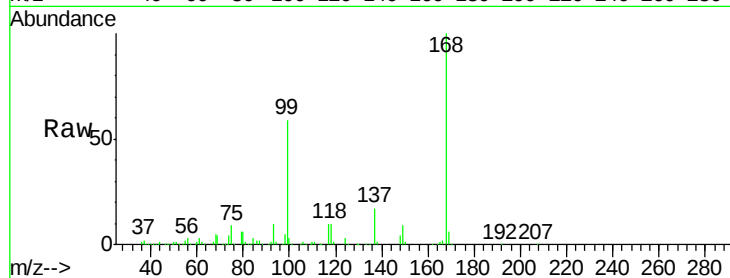
Tgt Ion: 75 Resp: 20666

Ion Ratio Lower Upper

75 100

110 10.7 16.8 50.4#

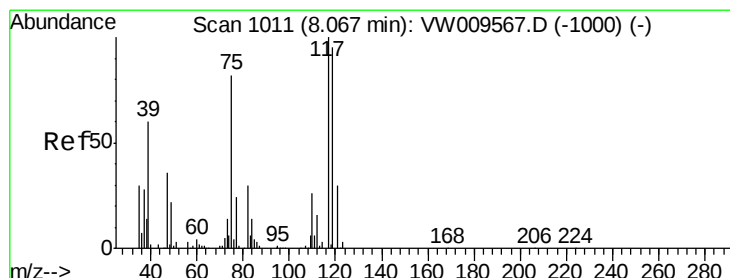
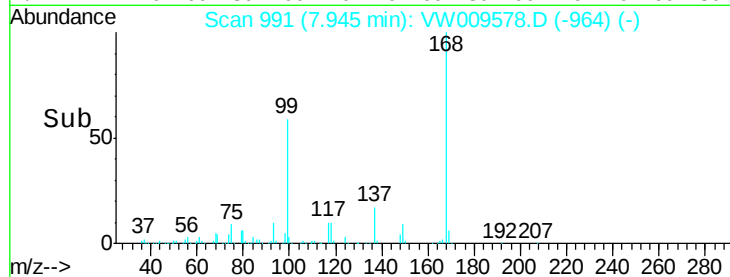
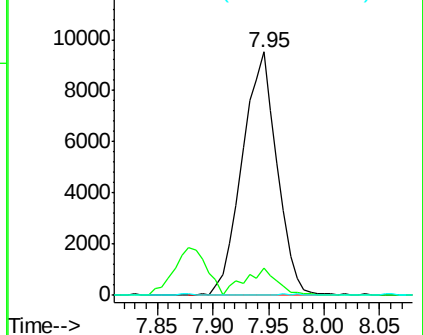
77 0.0 24.6 36.8#



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: 5.988 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.13 min

Lab File: VW009578.D

Acq: 29 Mar 2019 18:15

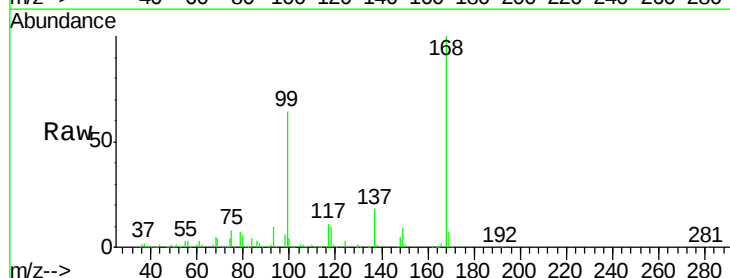
Tgt Ion: 117 Resp: 26061

Ion Ratio Lower Upper

117 100

119 7.7 75.4 113.0#

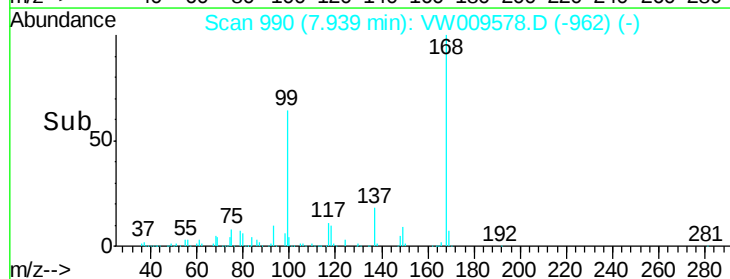
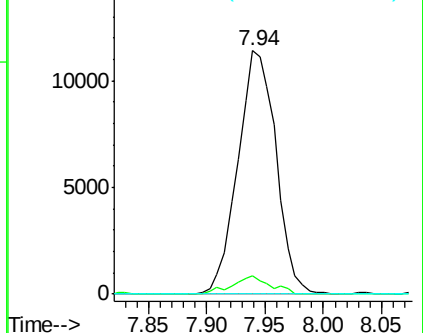
121 0.0 24.9 37.3#

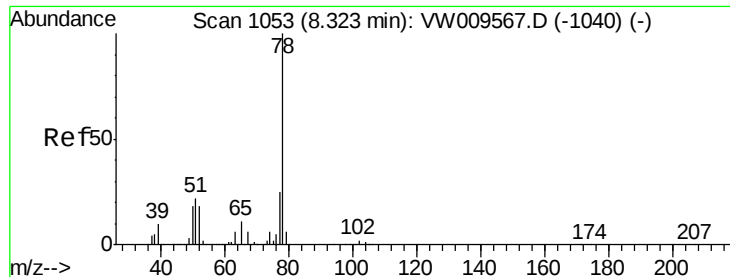


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#40

Benzene

Concen: 1.196 ug/l

RT: 8.32 min Scan# 1052

Delta R.T. -0.01 min

Lab File: VW009578.D

Acq: 29 Mar 2019 18:15

Instrument :

MSVOA_W

ClientSampled :

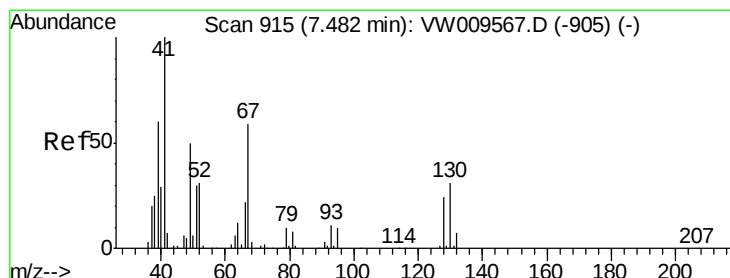
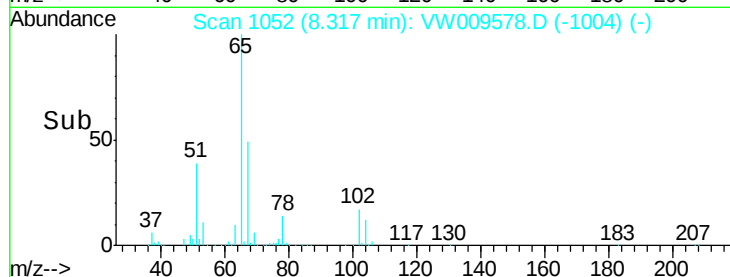
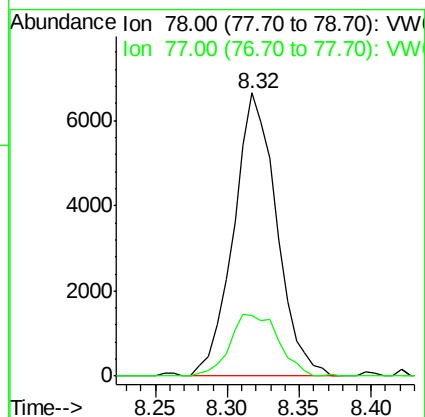
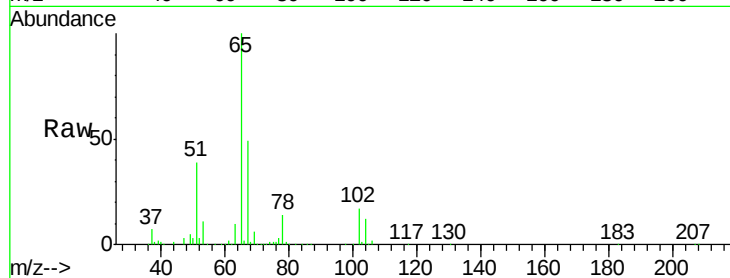
S7B(8)

Tgt Ion: 78 Resp: 13764

Ion Ratio Lower Upper

78 100

77 21.5 19.8 29.6



#41

Methacrylonitrile

Concen: 3.986 ug/l

RT: 7.48 min Scan# 915

Delta R.T. 0.00 min

Lab File: VW009578.D

Acq: 29 Mar 2019 18:15

Tgt Ion: 41 Resp: 92

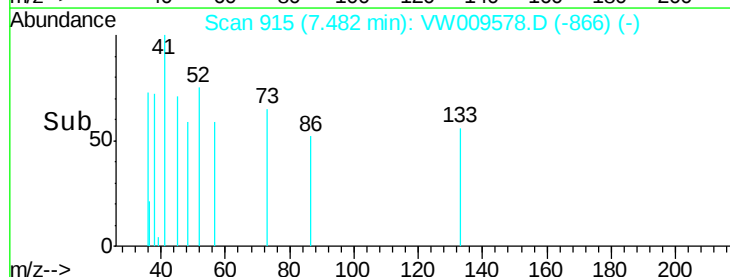
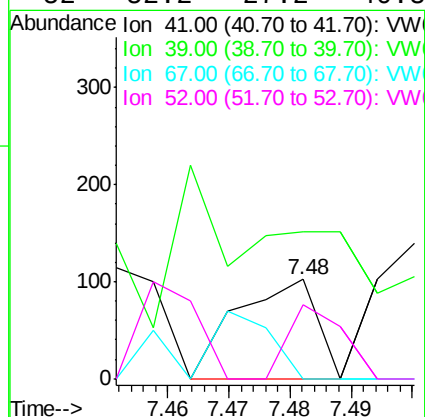
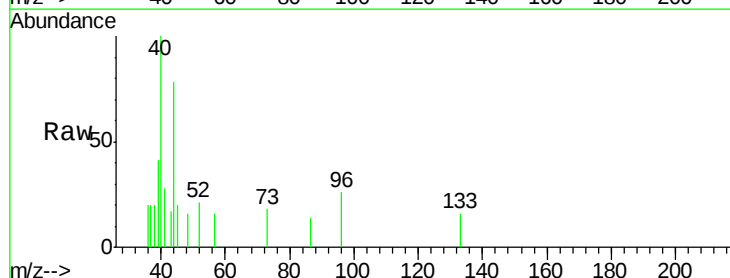
Ion Ratio Lower Upper

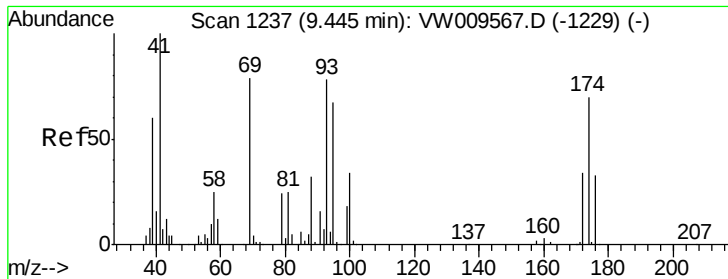
41 100

39 0.0 52.5 78.7#

67 0.0 56.6 84.8#

52 52.2 27.2 40.8#





#49

1,4-Dioxane

Concen: 2.399 ug/l

RT: 9.50 min Scan# 1246

Delta R.T. 0.05 min

Lab File: VW009578.D

Acq: 29 Mar 2019 18:15

Instrument :

MSVOA_W

ClientSampleId :

S7B(8)

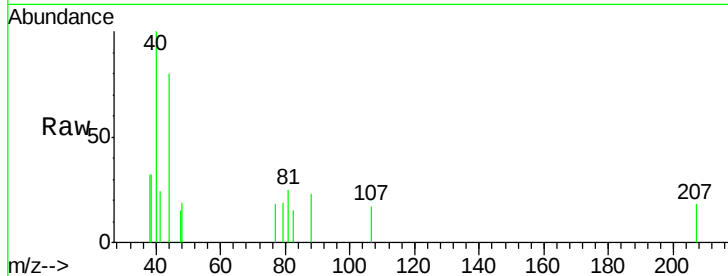
Tgt Ion: 88 Resp: 57

Ion Ratio Lower Upper

88 100

43 0.0 29.7 44.5#

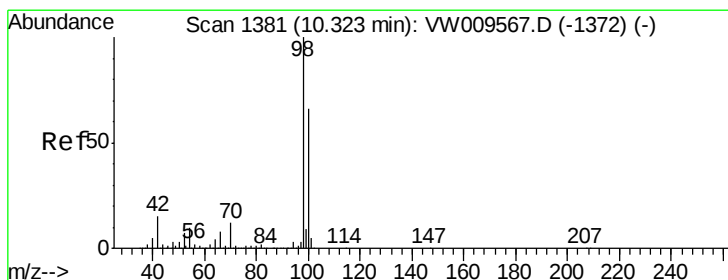
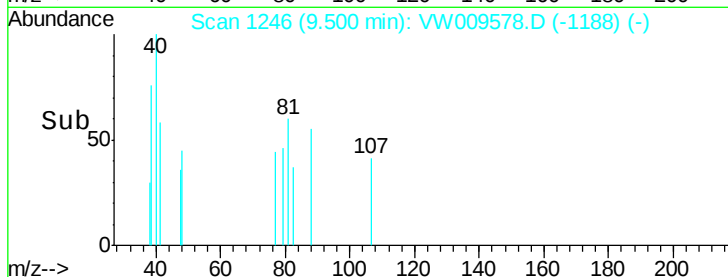
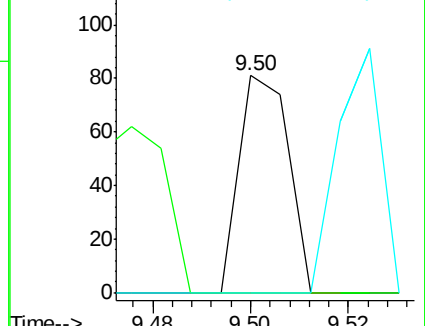
58 0.0 58.1 87.1#



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: 52.892 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW009578.D

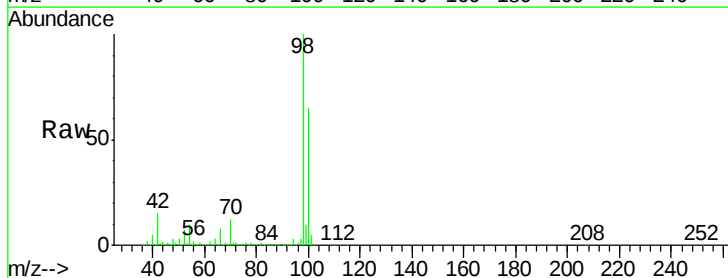
Acq: 29 Mar 2019 18:15

Tgt Ion: 98 Resp: 504187

Ion Ratio Lower Upper

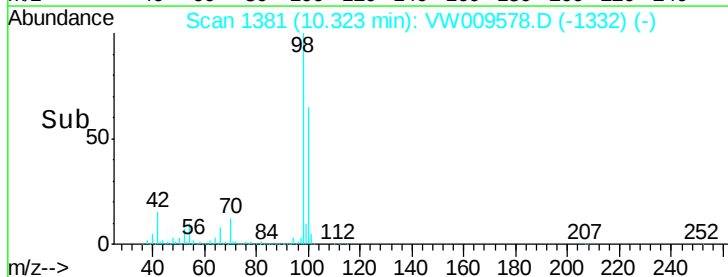
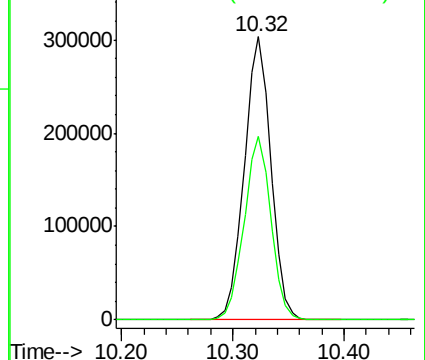
98 100

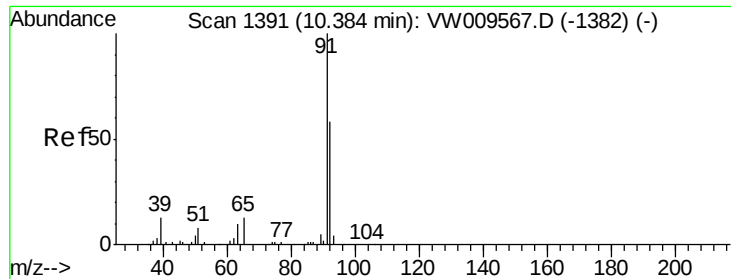
100 64.8 52.6 79.0



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#52

Toluene

Concen: 15.734 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW009578.D

Acq: 29 Mar 2019 18:15

Instrument :

MSVOA_W

ClientSampleId :

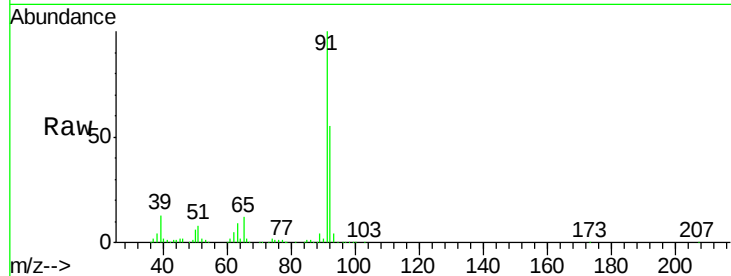
S7B(8)

Tgt Ion: 92 Resp: 113350

Ion Ratio Lower Upper

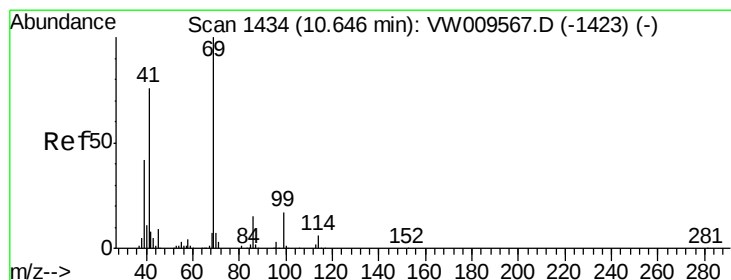
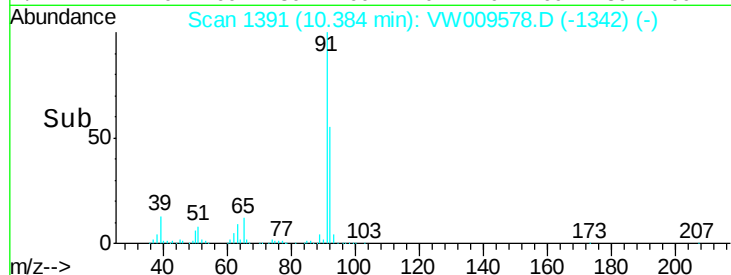
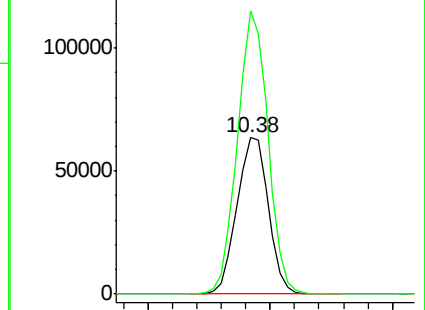
92 100

91 175.0 140.1 210.1



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW



#56

Ethyl methacrylate

Concen: 3.821 ug/l

RT: 10.67 min Scan# 1438

Delta R.T. 0.02 min

Lab File: VW009578.D

Acq: 29 Mar 2019 18:15

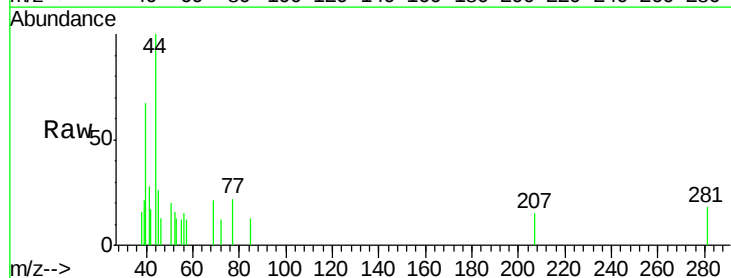
Tgt Ion: 69 Resp: 79

Ion Ratio Lower Upper

69 100

41 162.0 59.3 88.9#

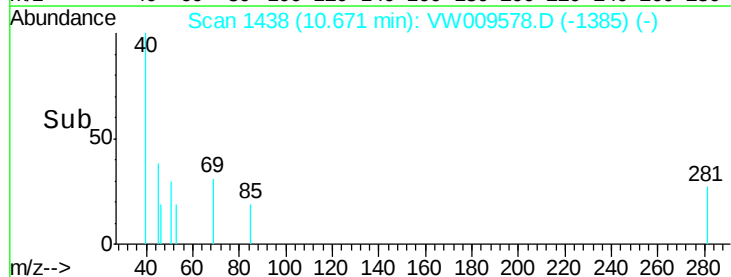
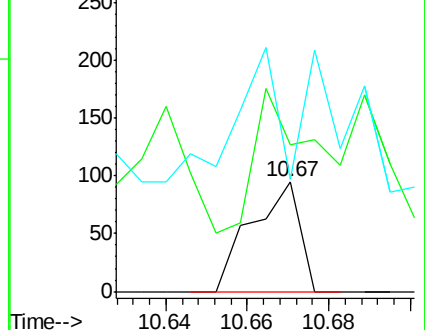
39 0.0 36.2 54.2#

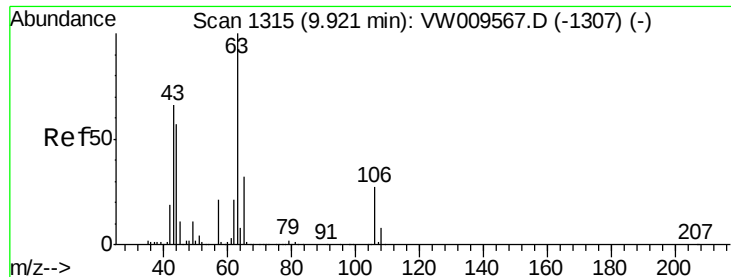


Abundance Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

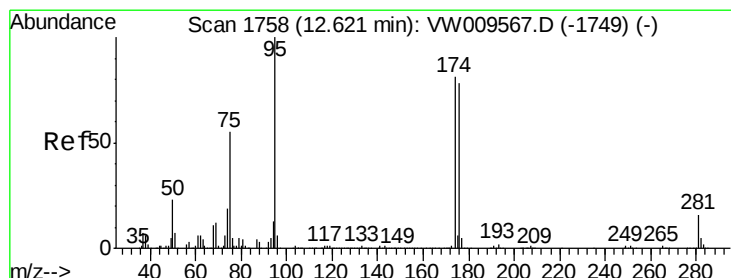
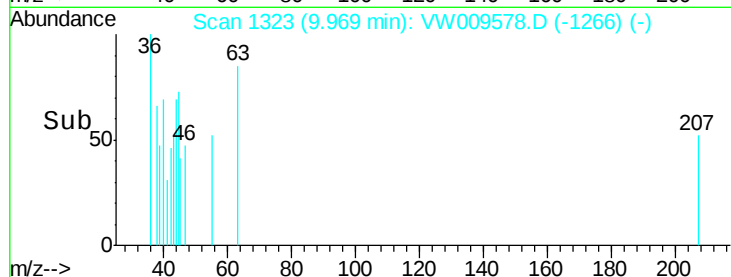
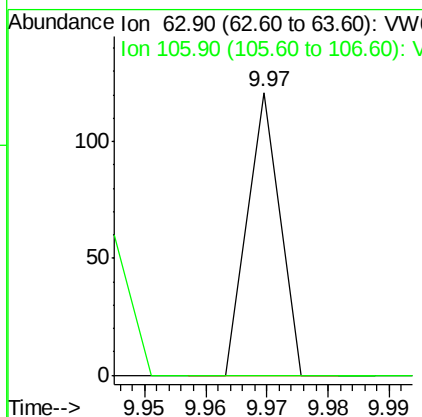
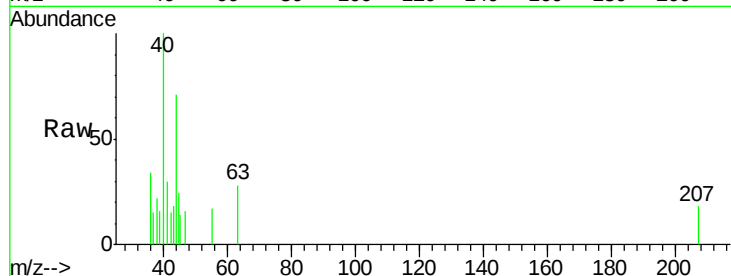




#58
 2-Chloroethyl Vinyl ether
 Concen: 17.045 ug/l
 RT: 9.97 min Scan# 1323
 Delta R.T. 0.05 min
 Lab File: VW009578.D
 Acq: 29 Mar 2019 18:15

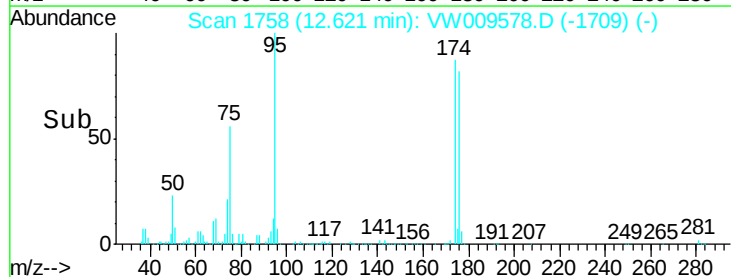
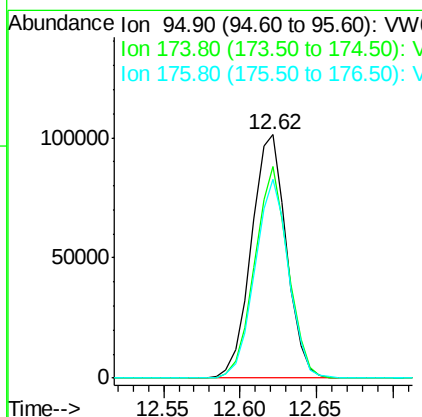
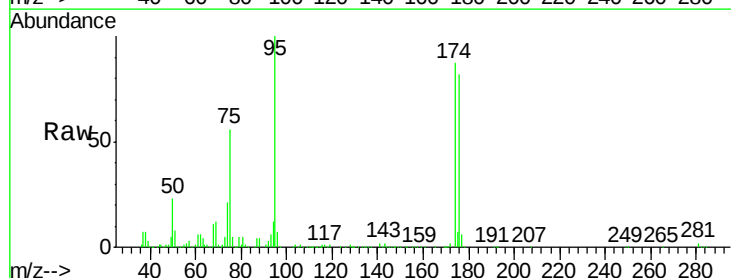
Instrument :
 MSVOA_W
 ClientSampleId :
 S7B(8)

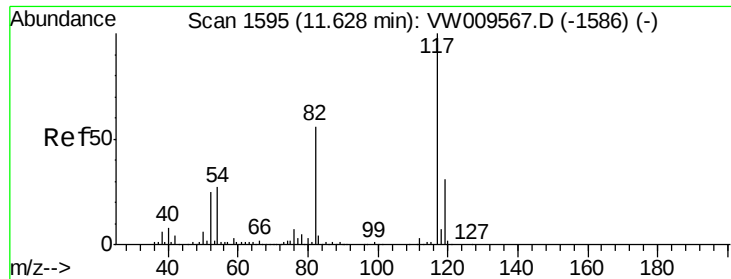
Tgt Ion: 63 Resp: 44
 Ion Ratio Lower Upper
 63 100
 106 0.0 22.9 34.3#



#62
 4-Bromofluorobenzene
 Concen: 45.366 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.00 min
 Lab File: VW009578.D
 Acq: 29 Mar 2019 18:15

Tgt Ion: 95 Resp: 161327
 Ion Ratio Lower Upper
 95 100
 174 83.1 0.0 168.4
 176 78.9 0.0 161.6

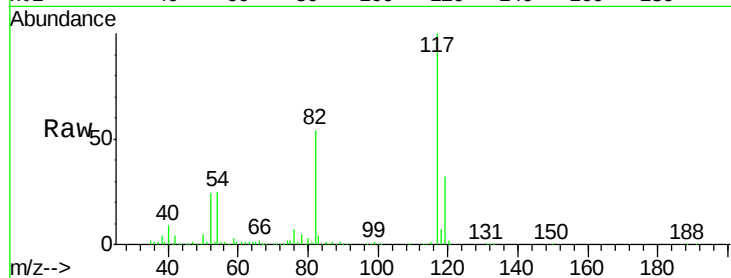




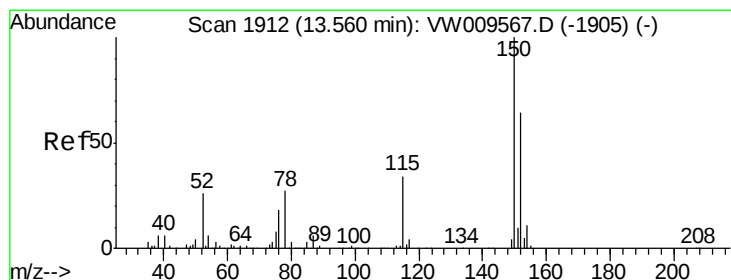
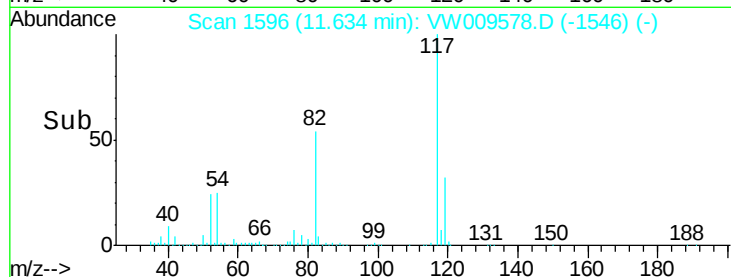
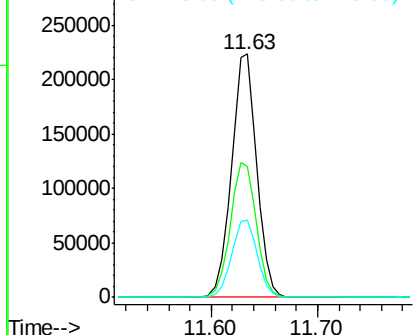
#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.63 min Scan# 1596
 Delta R.T. 0.01 min
 Lab File: VW009578.D
 Acq: 29 Mar 2019 18:15

Instrument :
 MSVOA_W
 ClientSampleId :
 S7B(8)

Tgt Ion:117 Resp: 371603
 Ion Ratio Lower Upper
 117 100
 82 53.9 43.6 65.4
 119 31.6 26.0 39.0

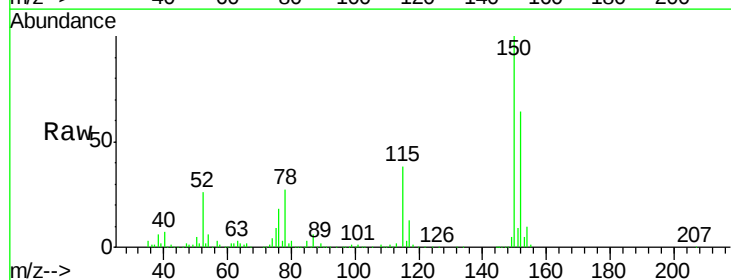


Abundance Ion 116.90 (116.60 to 117.60): V
 Ion 82.00 (81.70 to 82.70): V
 Ion 118.90 (118.60 to 119.60): V

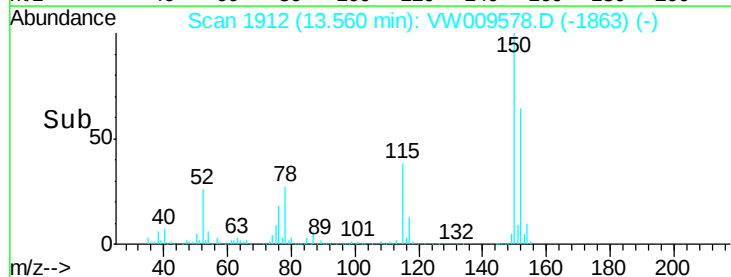
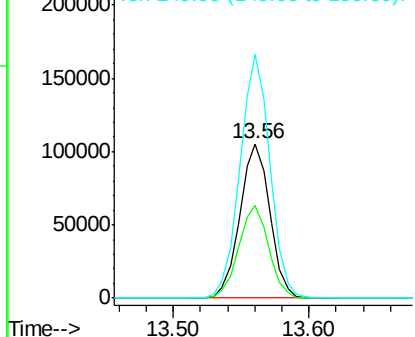


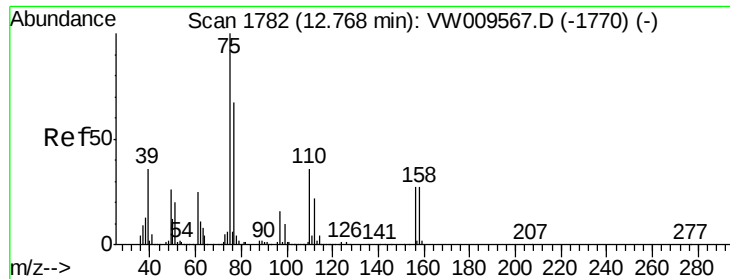
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.56 min Scan# 1912
 Delta R.T. -0.00 min
 Lab File: VW009578.D
 Acq: 29 Mar 2019 18:15

Tgt Ion:152 Resp: 162021
 Ion Ratio Lower Upper
 152 100
 115 59.8 29.6 88.8
 150 157.6 0.0 349.2



Abundance Ion 151.90 (151.60 to 152.60): V
 Ion 114.90 (114.60 to 115.60): V
 Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 61.582 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW009578.D

Acq: 29 Mar 2019 18:15

Instrument :

MSVOA_W

ClientSampleId :

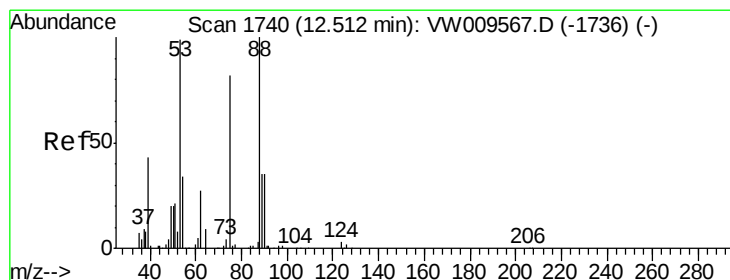
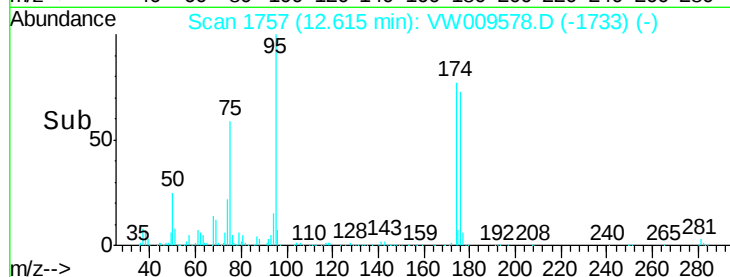
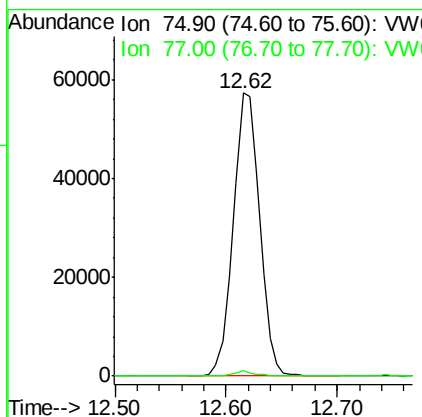
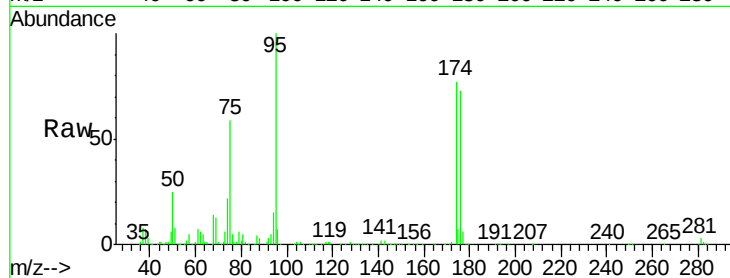
S7B(8)

Tgt Ion: 75 Resp: 93828

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 143.208 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW009578.D

Acq: 29 Mar 2019 18:15

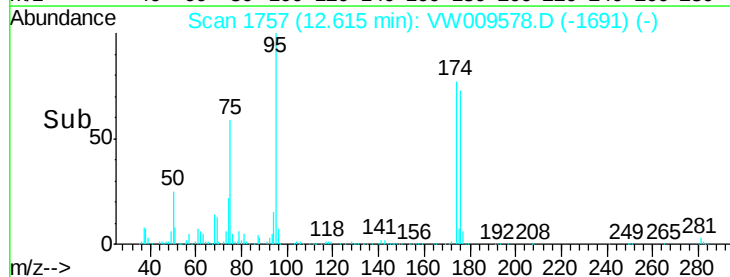
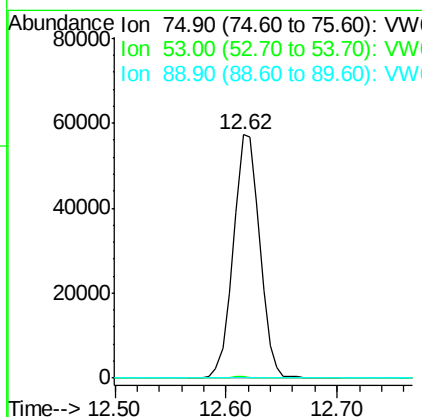
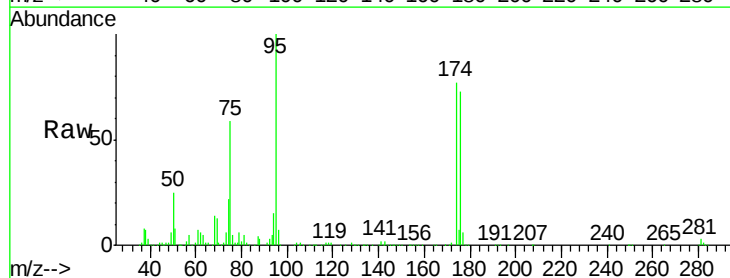
Tgt Ion: 75 Resp: 93828

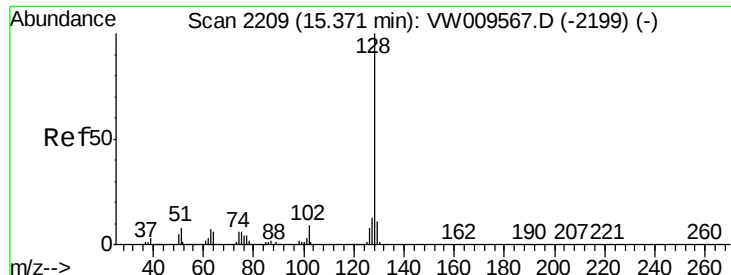
Ion Ratio Lower Upper

75 100

53 0.4 86.7 130.1#

89 0.0 36.4 54.6#

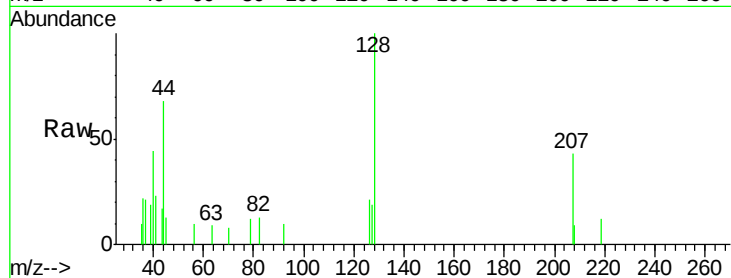




#95
 Naphthalene
 Concen: 2.938 ug/l
 RT: 15.38 min Scan# 2210
 Delta R.T. 0.01 min
 Lab File: VW009578.D
 Acq: 29 Mar 2019 18:15

Instrument :
 MSVOA_W
 ClientSampleId :
 S7B(8)

Tgt Ion	Ratio	Lower	Upper
128	100		
127	6.1	10.8	16.2#
129	7.7	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

