

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW033119\
 Data File : VW009607.D
 Acq On : 31 Mar 2019 13:38
 Operator : SY/VA
 Sample : K2125-03RE
 Misc : 4.44G/5.0ML/MSVOA W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Apr 01 04:53:29 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

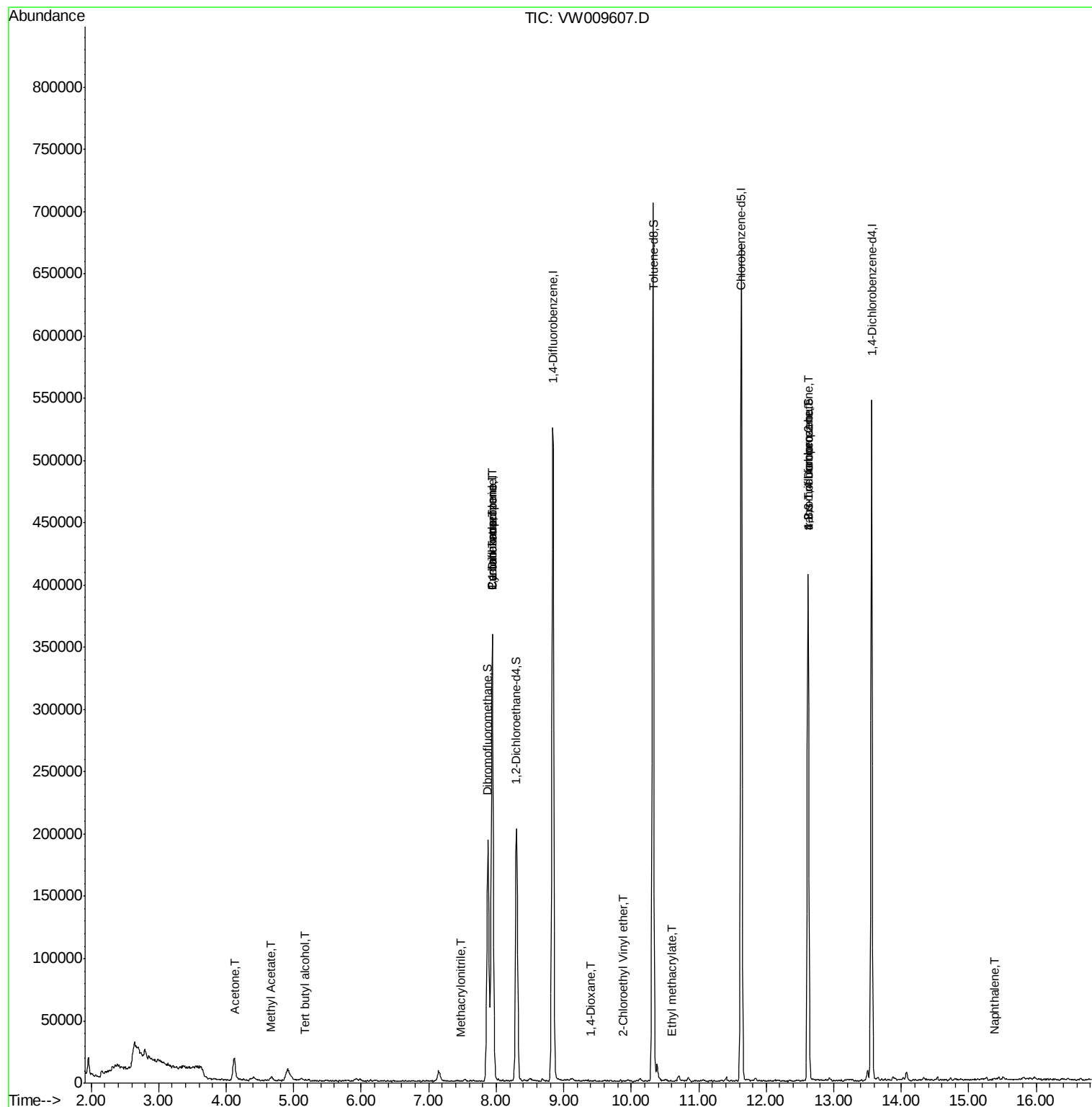
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.94	168	250933	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	405328	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	346202	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	128151	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	159163	55.47	ug/l	0.00
Spiked Amount 50.000			Recovery	=	110.94%	
35) Dibromofluoromethane	7.88	113	129595	50.91	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.82%	
50) Toluene-d8	10.32	98	439231	46.68	ug/l	0.00
Spiked Amount 50.000			Recovery	=	93.36%	
62) 4-Bromofluorobenzene	12.62	95	118139	33.66	ug/l	0.00
Spiked Amount 50.000			Recovery	=	67.32%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.01	85	45	Below Cal	#	65
11) Tert butyl alcohol	5.18	59	647	3.889	ug/l #	71
16) Acetone	4.12	43	31829	49.335	ug/l	98
18) Methyl Acetate	4.67	43	5674	3.638	ug/l #	80
20) Methylene Chloride	4.91	84	8544	Below Cal		96
31) Cyclohexane	7.93	56	7187	1.522	ug/l #	53
36) 1,1-Dichloropropene	7.94	75	22513	5.370	ug/l #	51
38) Carbon Tetrachloride	7.94	117	26146	6.086	ug/l #	16
41) Methacrylonitrile	7.48	41	48	3.956	ug/l #	1
49) 1,4-Dioxane	9.40	88	90	3.838	ug/l #	19
56) Ethyl methacrylate	10.61	69	52	3.813	ug/l #	1
58) 2-Chloroethyl Vinyl ether	9.88	63	19	17.029	ug/l #	46
76) 1,2,3-Trichloropropane	12.62	75	68857	57.137	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	68857	132.871	ug/l #	7
95) Naphthalene	15.38	128	1048	2.922	ug/l #	79

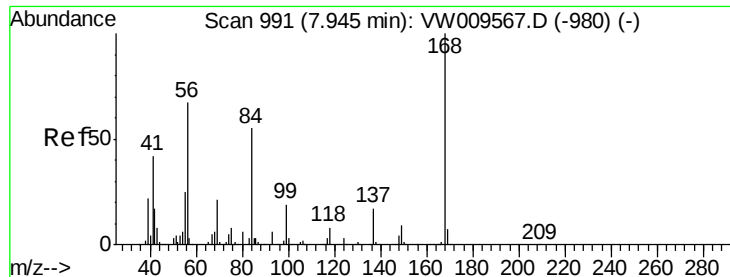
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.01 min

Lab File: VW009607.D

Acq: 31 Mar 2019 13:38

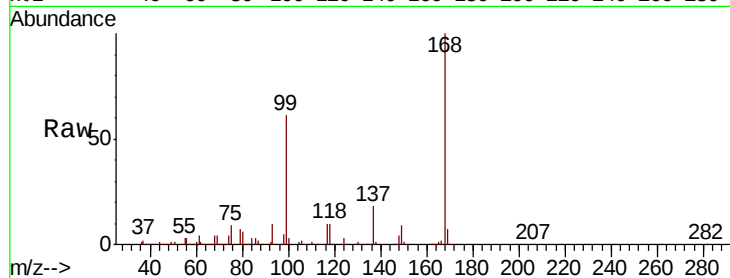
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:168 Resp: 250933

Ion Ratio Lower Upper

168 100

99 60.7 45.4 68.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.94

120000

100000

80000

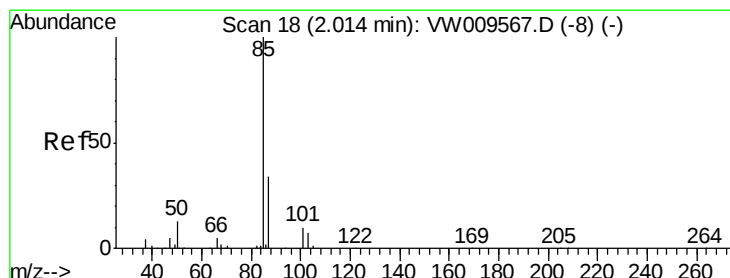
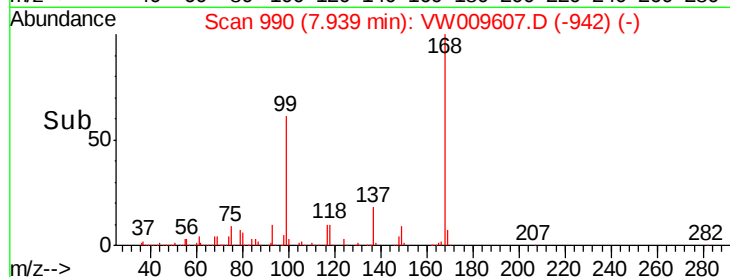
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW009607.D

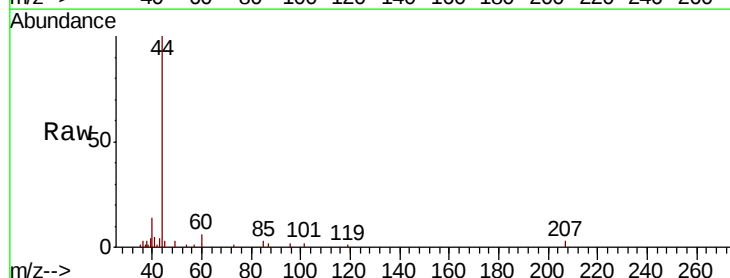
Acq: 31 Mar 2019 13:38

Tgt Ion: 85 Resp: 45

Ion Ratio Lower Upper

85 100

87 53.2 16.7 50.1#



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

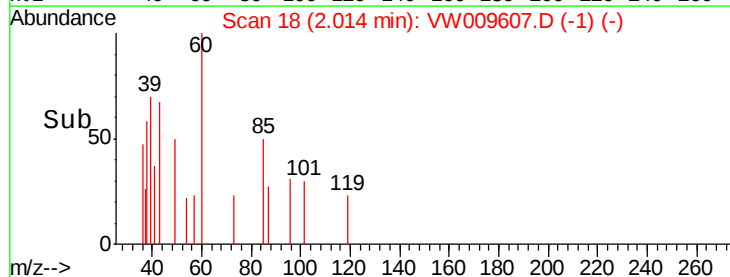
2.01

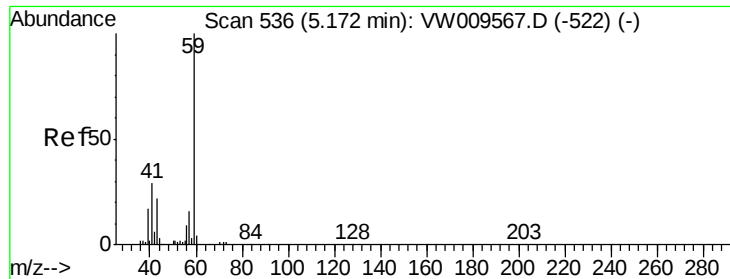
100

50

0

Time-->



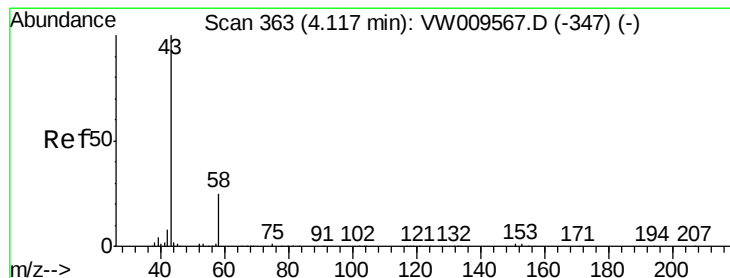
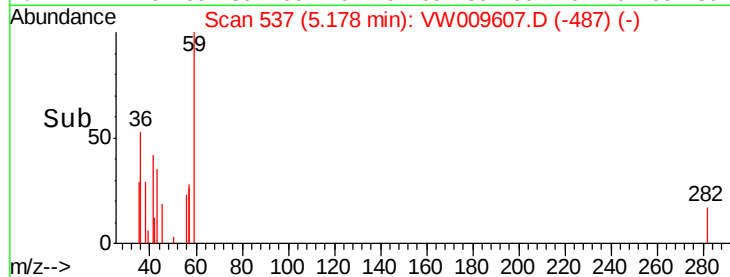
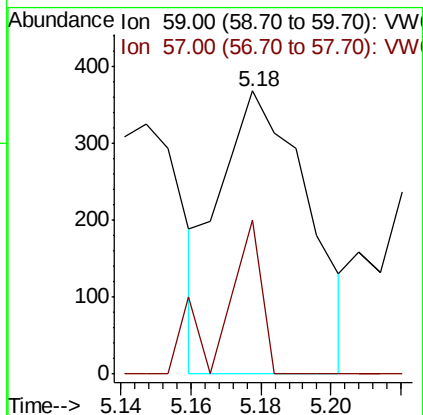
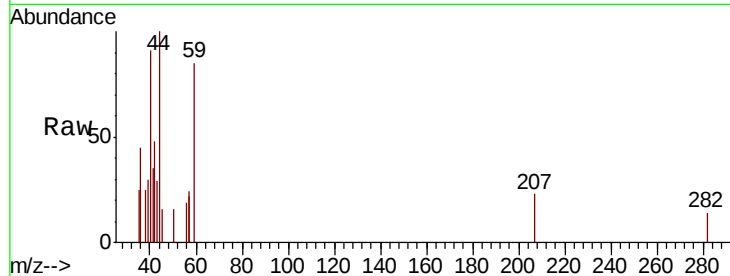


#11

Tert butyl alcohol
 Concen: 3.889 ug/l
 RT: 5.18 min Scan# 537
 Delta R.T. 0.01 min
 Lab File: VW009607.D
 Acq: 31 Mar 2019 13:38

Instrument :
 MSVOA_W
 ClientSampleId :

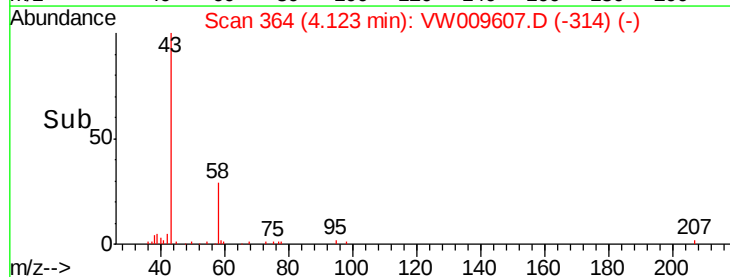
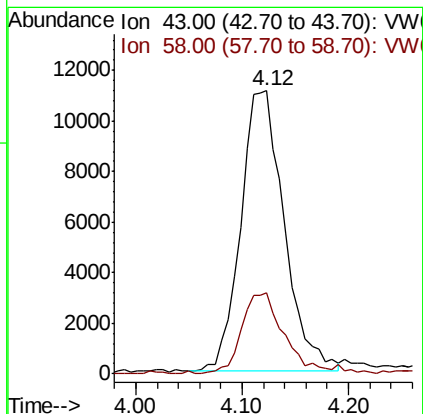
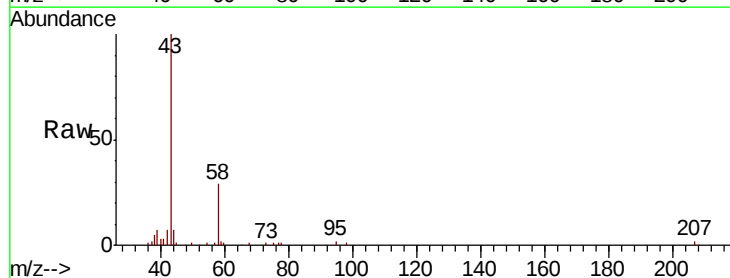
Tot Ion: 59 Resp: 647
 Ion Ratio Lower Upper
 59 100
 57 22.9 9.4 14.0#

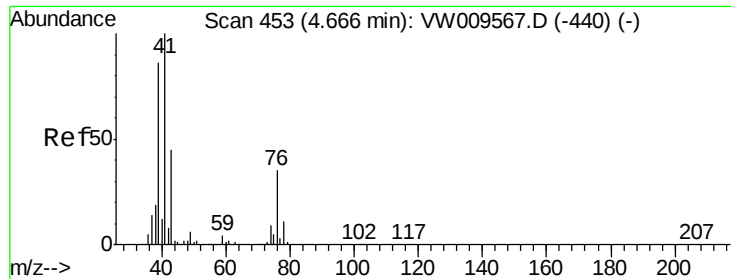


#16

Acetone
 Concen: 49.335 ug/l
 RT: 4.12 min Scan# 364
 Delta R.T. 0.01 min
 Lab File: VW009607.D
 Acq: 31 Mar 2019 13:38

Tgt Ion: 43 Resp: 31829
 Ion Ratio Lower Upper
 43 100
 58 28.2 23.6 35.4

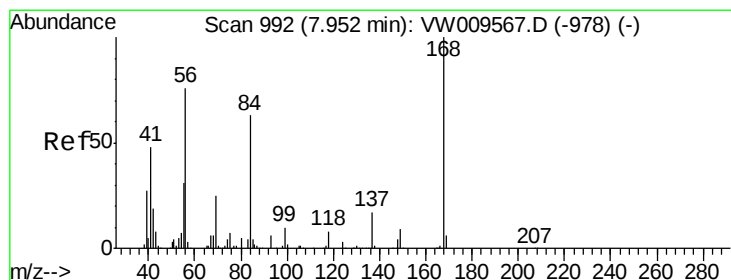
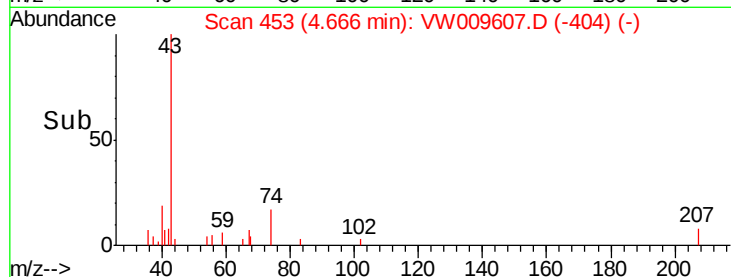
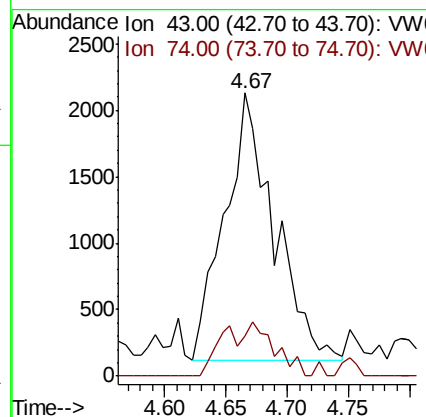
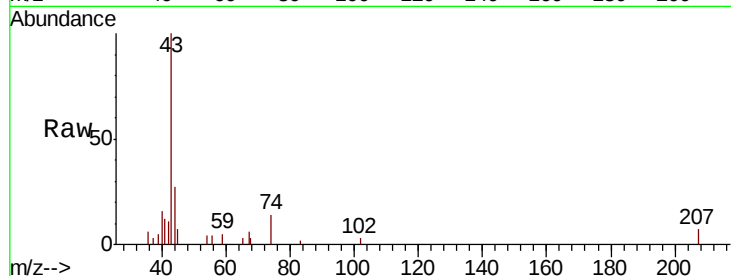




#18
Methyl Acetate
Concen: 3.638 ug/l
RT: 4.67 min Scan# 453
Delta R.T. -0.00 min
Lab File: VW009607.D
Acq: 31 Mar 2019 13:38

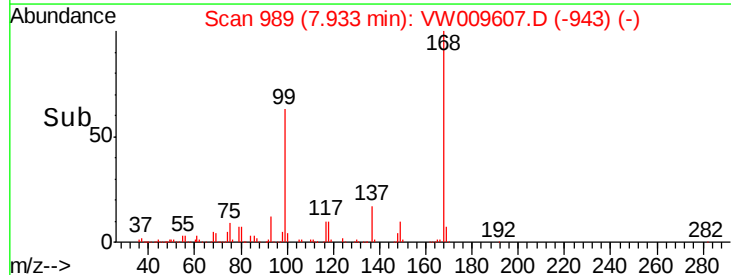
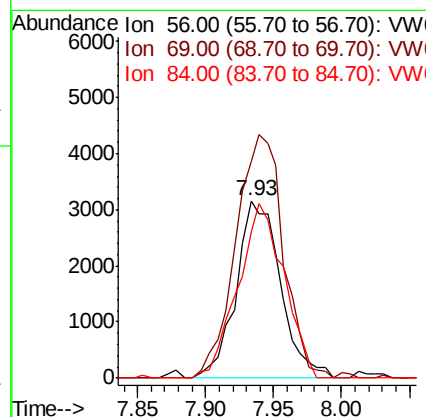
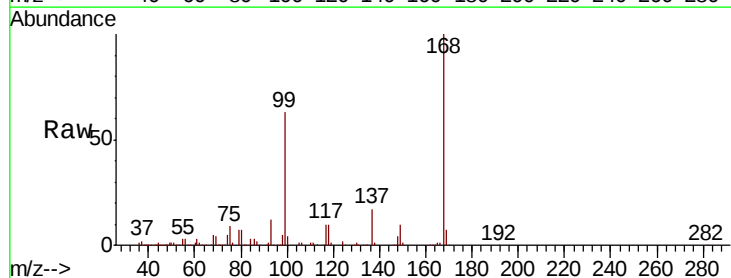
Instrument :
MSVOA_W
ClientSampled :

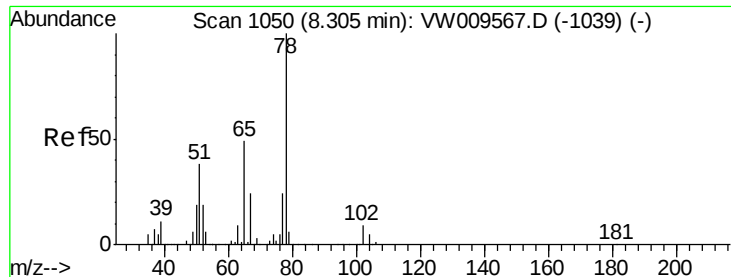
Tot Ion: 43 Resp: 5674
Ion Ratio Lower Upper
43 100
74 12.4 17.7 26.5#



#31
Cyclohexane
Concen: 1.522 ug/l
RT: 7.93 min Scan# 989
Delta R.T. -0.02 min
Lab File: VW009607.D
Acq: 31 Mar 2019 13:38

Tgt Ion: 56 Resp: 7187
Ion Ratio Lower Upper
56 100
69 122.1 26.1 39.1#
84 82.4 68.6 103.0

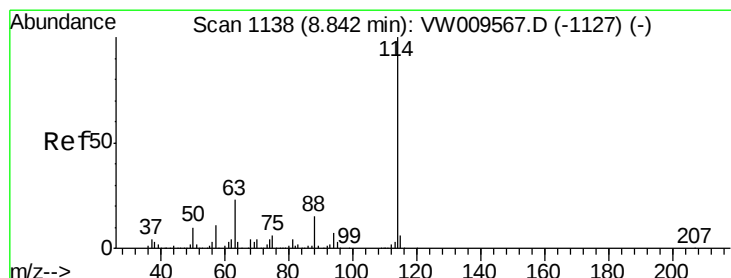
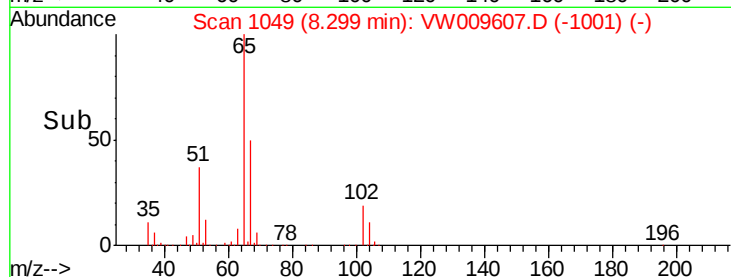
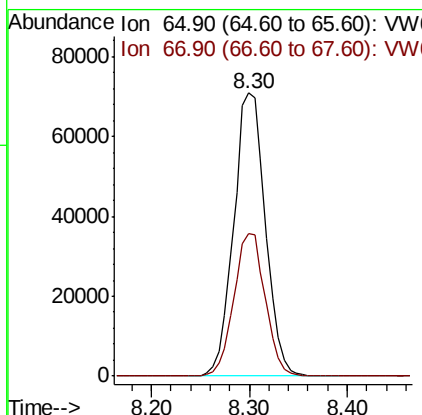
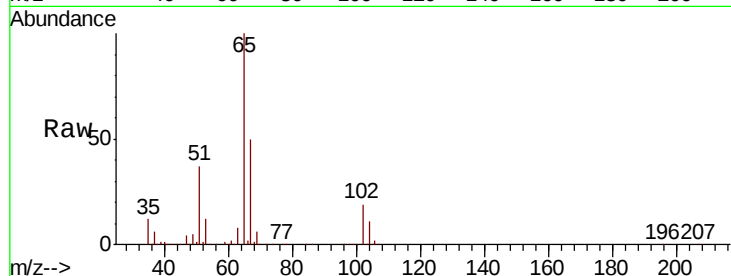




#33
 1,2-Dichloroethane-d4
 Concen: 55.467 ug/l
 RT: 8.30 min Scan# 1049
 Delta R.T. -0.01 min
 Lab File: VW009607.D
 Acq: 31 Mar 2019 13:38

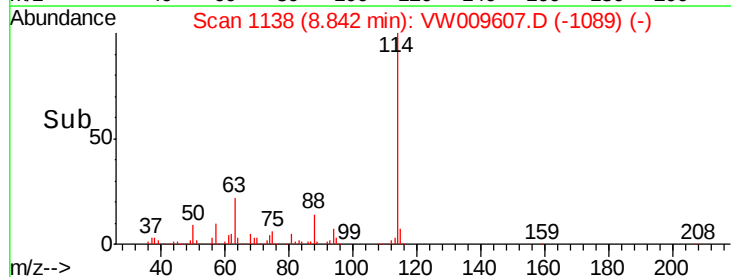
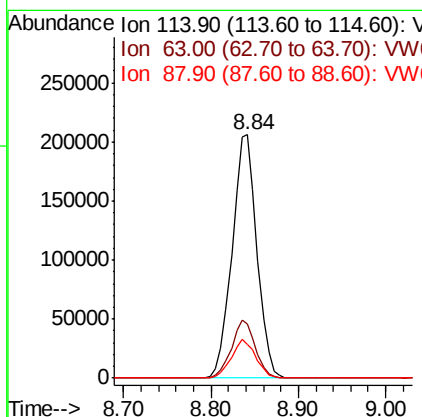
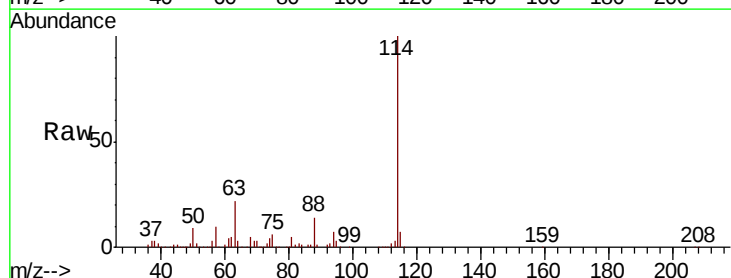
Instrument :
 MSVOA_W
 ClientSampleId :

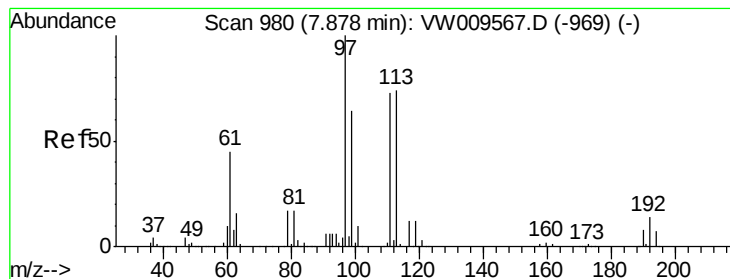
Tot Ion: 65 Resp: 159163
 Ion Ratio Lower Upper
 65 100
 67 49.7 0.0 102.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW009607.D
 Acq: 31 Mar 2019 13:38

Tgt Ion: 114 Resp: 405328
 Ion Ratio Lower Upper
 114 100
 63 22.3 0.0 42.2
 88 14.1 0.0 30.8





#35

Dibromofluoromethane

Concen: 50.906 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.00 min

Lab File: VW009607.D

Acq: 31 Mar 2019 13:38

Instrument :
MSVOA_W
ClientSampleId :

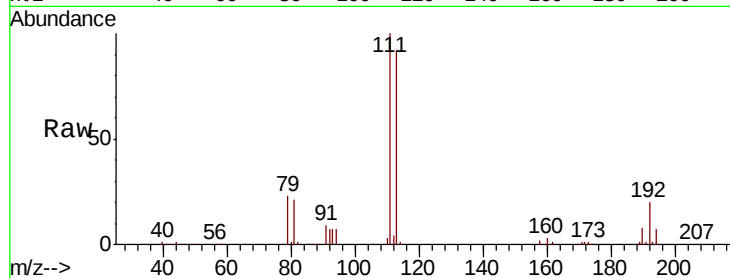
Tot Ion:113 Resp: 129595

Ion Ratio Lower Upper

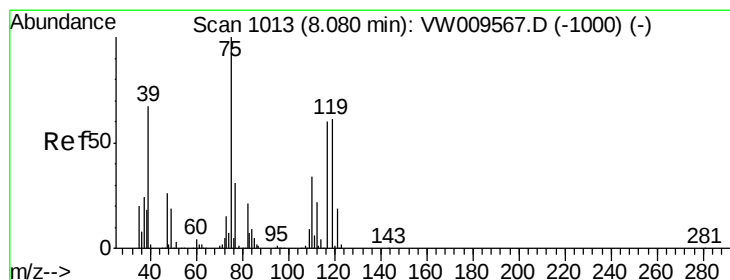
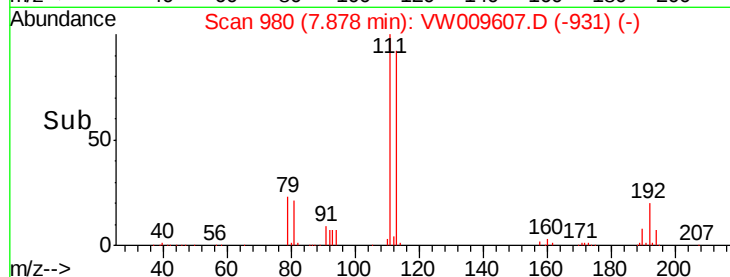
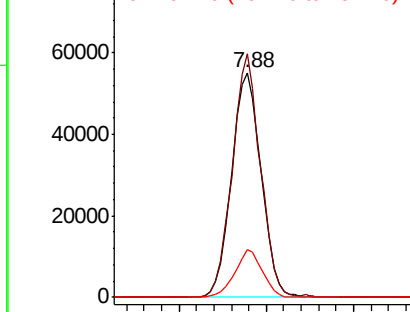
113 100

111 103.3 82.6 124.0

192 20.0 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: 5.370 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.14 min

Lab File: VW009607.D

Acq: 31 Mar 2019 13:38

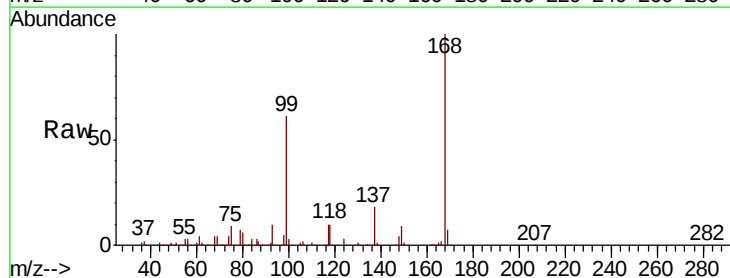
Tgt Ion: 75 Resp: 22513

Ion Ratio Lower Upper

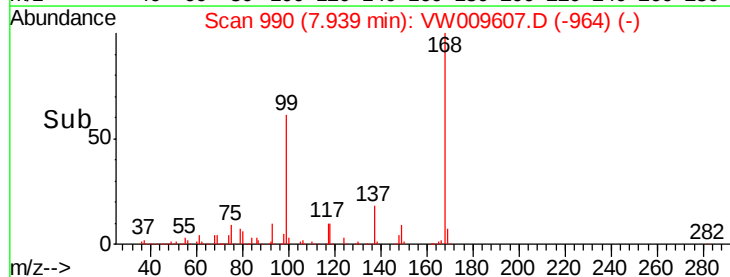
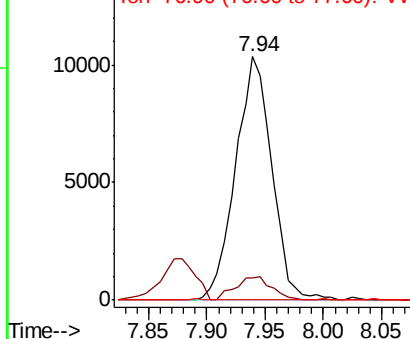
75 100

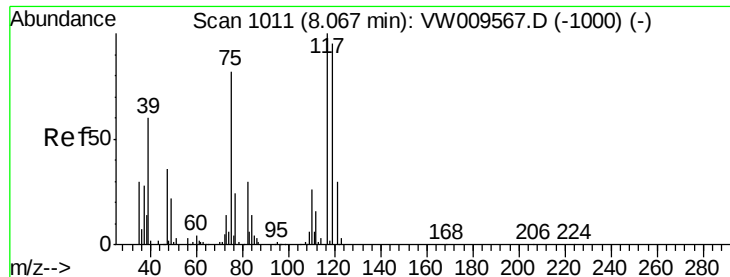
110 9.5 16.8 50.4#

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: 6.086 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.13 min

Lab File: VW009607.D

Acq: 31 Mar 2019 13:38

Instrument :

MSVOA_W

ClientSampleId :

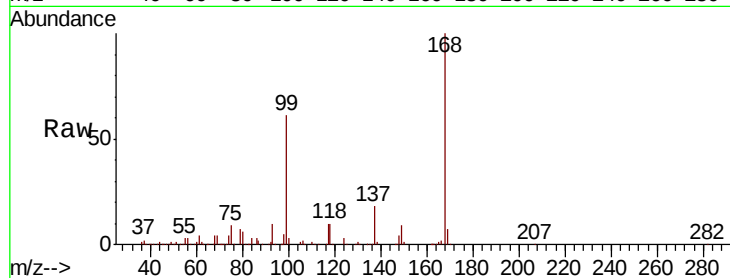
Tot Ion:117 Resp: 26146

Ion Ratio Lower Upper

117 100

119 4.7 75.4 113.0#

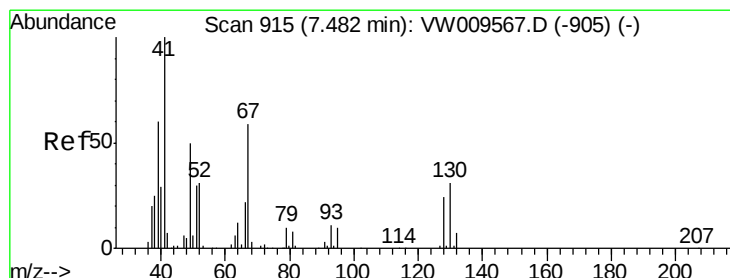
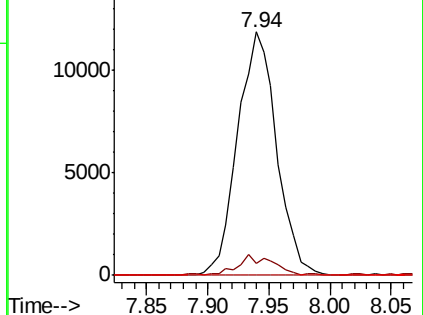
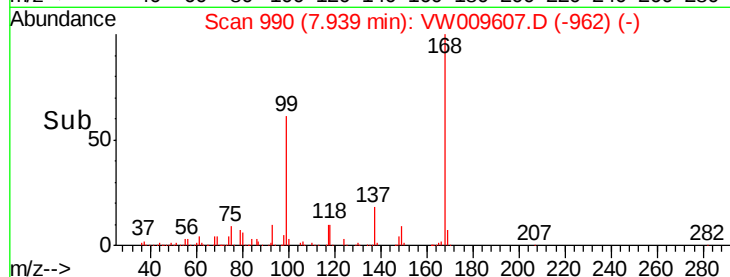
121 0.0 24.9 37.3#



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



#41

Methacrylonitrile

Concen: 3.956 ug/l

RT: 7.48 min Scan# 914

Delta R.T. -0.01 min

Lab File: VW009607.D

Acq: 31 Mar 2019 13:38

Tgt Ion: 41 Resp: 48

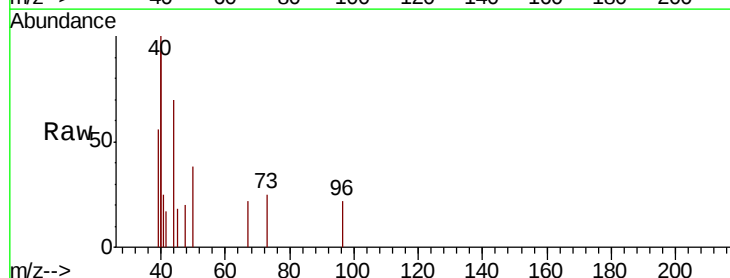
Ion Ratio Lower Upper

41 100

39 291.7 52.5 78.7#

67 54.2 56.6 84.8#

52 0.0 27.2 40.8#

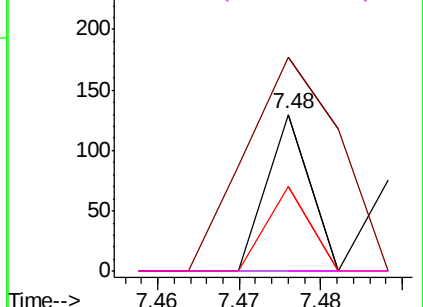
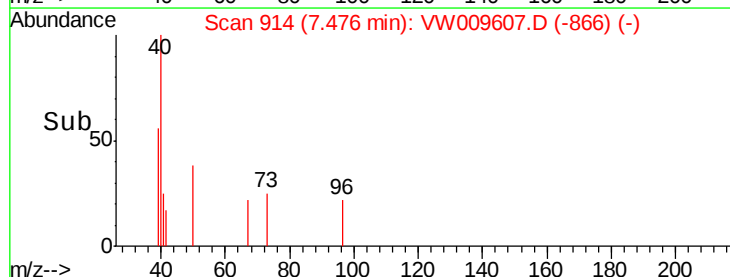


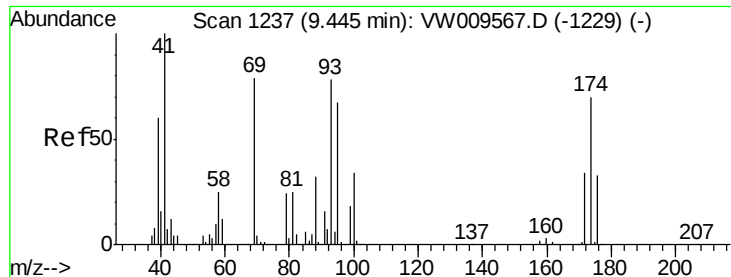
Abundance Ion 41.00 (40.70 to 41.70): VW

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

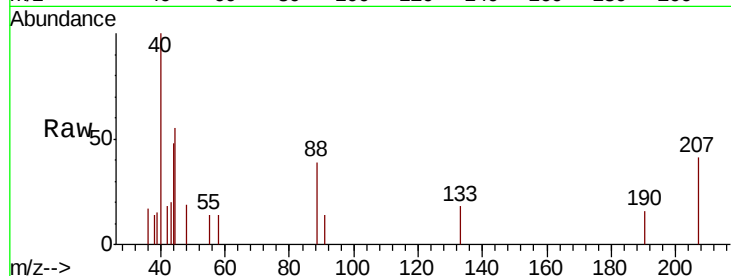




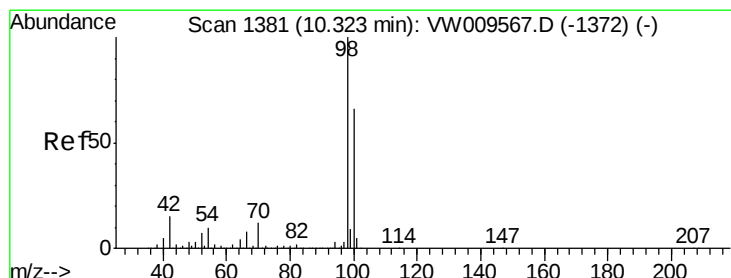
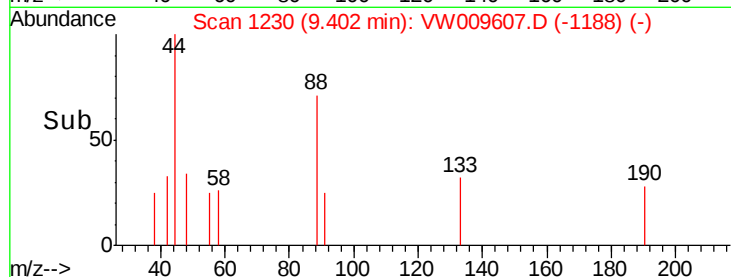
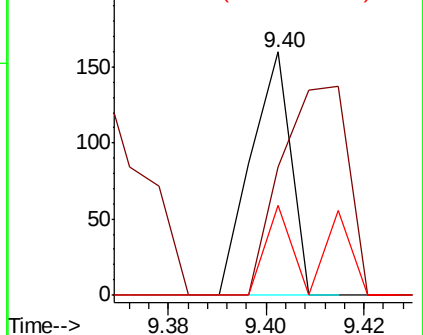
#49
 1,4-Dioxane
 Concen: 3.838 ug/l
 RT: 9.40 min Scan# 1230
 Delta R.T. -0.04 min
 Lab File: VW009607.D
 Acq: 31 Mar 2019 13:38

Instrument :
 MSVOA_W
 ClientSampled :

Tot Ion: 88 Resp: 90
 Ion Ratio Lower Upper
 88 100
 43 144.4 29.7 44.5#
 58 46.7 58.1 87.1#

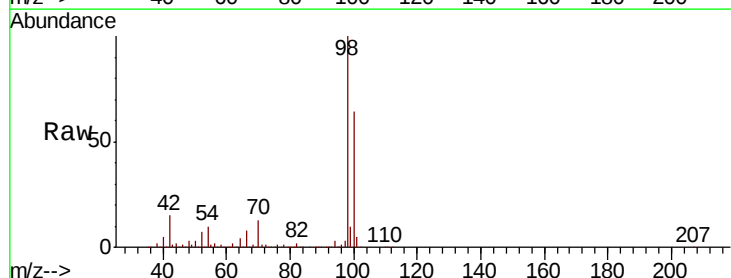


Abundance Ion 88.00 (87.70 to 88.70): VW
 Ion 43.00 (42.70 to 43.70): VW
 Ion 58.00 (57.70 to 58.70): VW

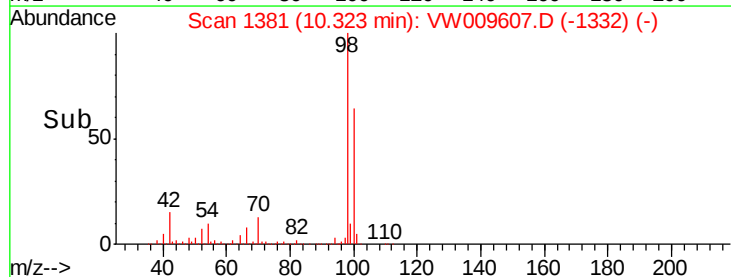
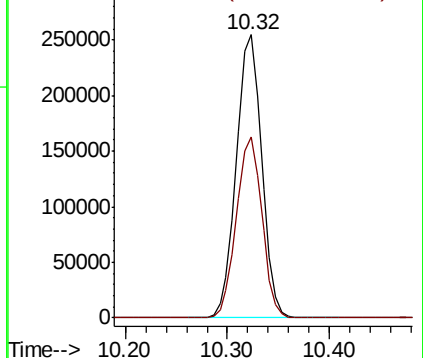


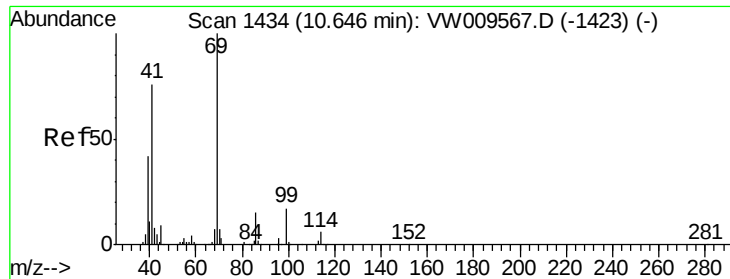
#50
 Toluene-d8
 Concen: 46.680 ug/l
 RT: 10.32 min Scan# 1381
 Delta R.T. -0.00 min
 Lab File: VW009607.D
 Acq: 31 Mar 2019 13:38

Tgt Ion: 98 Resp: 439231
 Ion Ratio Lower Upper
 98 100
 100 64.0 52.6 79.0



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





#56

Ethyl methacrylate

Concen: 3.813 ug/l

RT: 10.61 min Scan# 1428

Delta R.T. -0.04 min

Lab File: VW009607.D

Acq: 31 Mar 2019 13:38

Instrument :

MSVOA_W

ClientSampled :

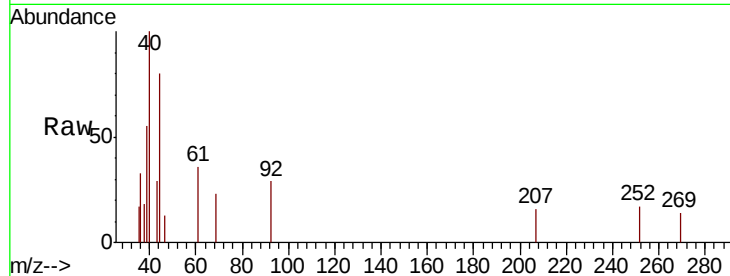
Tot Ion: 69 Resp: 52

Ion Ratio Lower Upper

69 100

41 282.7 59.3 88.9#

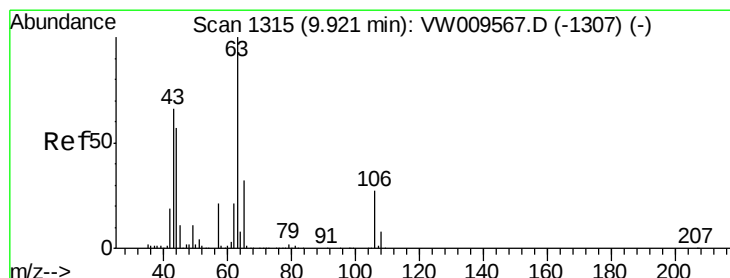
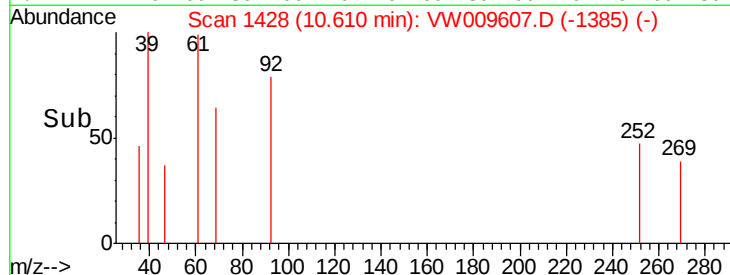
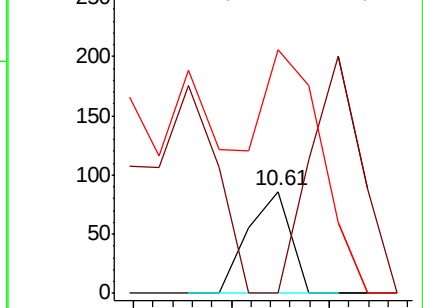
39 311.5 36.2 54.2#



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: 17.029 ug/l

RT: 9.88 min Scan# 1309

Delta R.T. -0.04 min

Lab File: VW009607.D

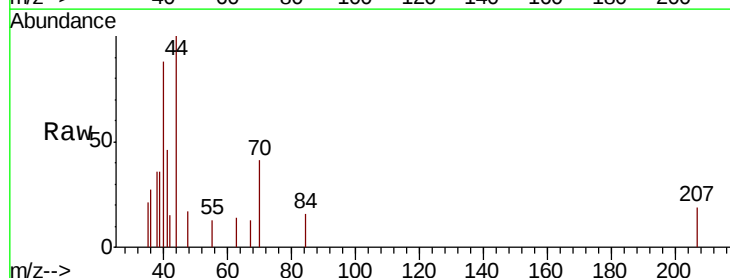
Acq: 31 Mar 2019 13:38

Tgt Ion: 63 Resp: 19

Ion Ratio Lower Upper

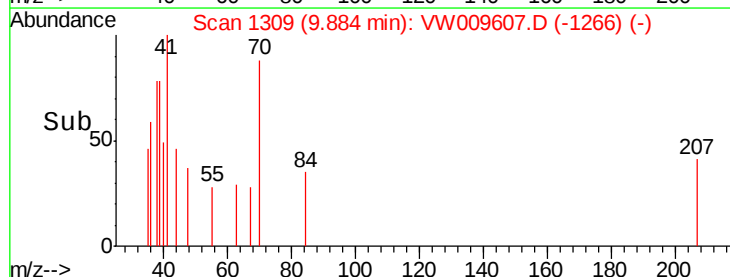
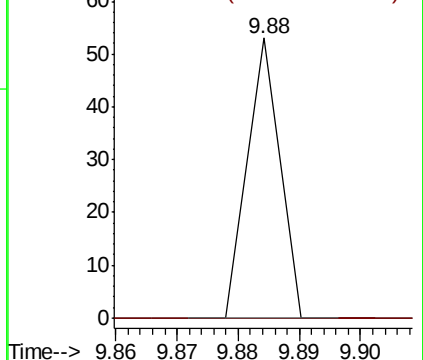
63 100

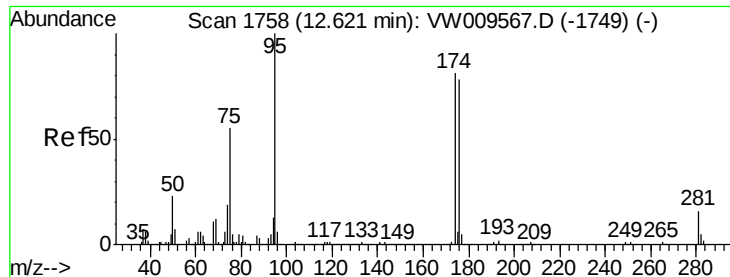
106 0.0 22.9 34.3#



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 105.90 (105.60 to 106.60): V

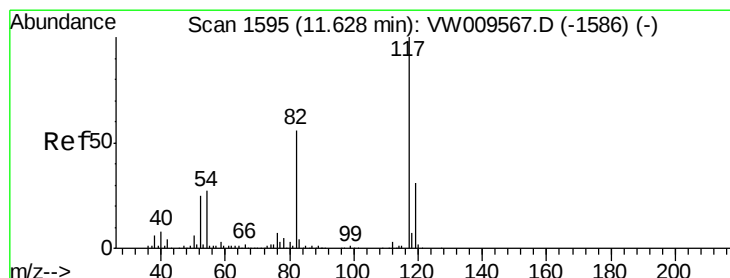
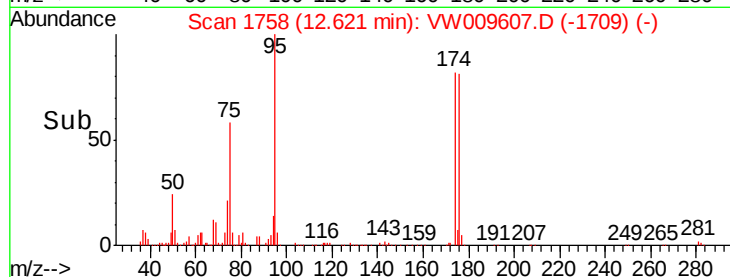
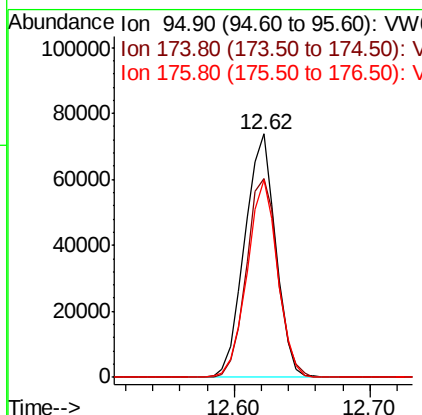
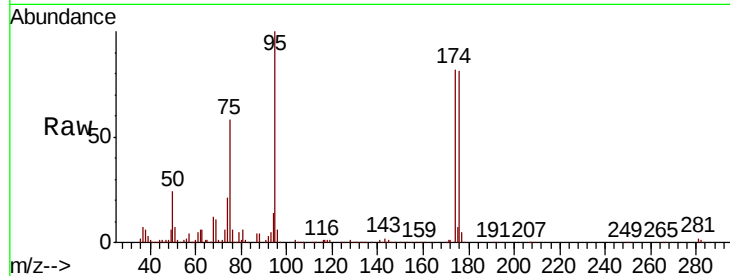




#62
4-Bromofluorobenzene
Concen: 33.655 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.00 min
Lab File: VW009607.D
Acq: 31 Mar 2019 13:38

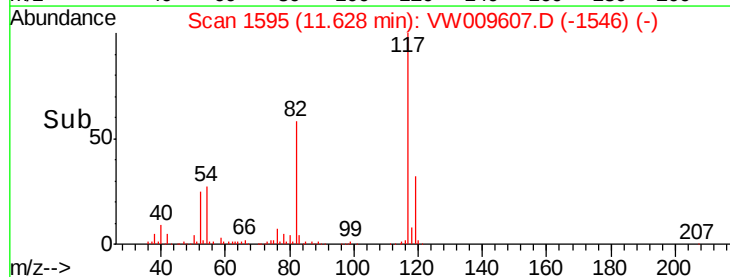
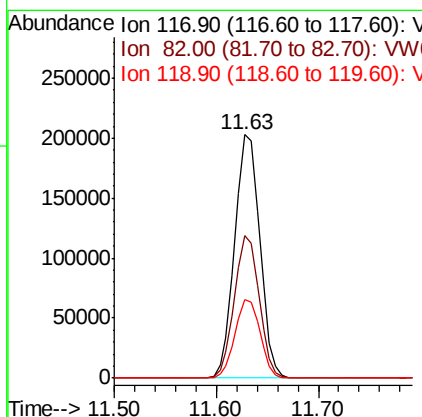
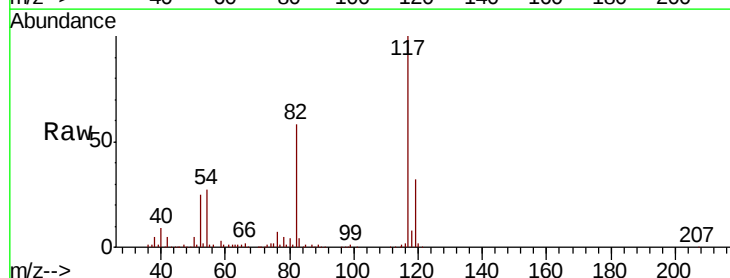
Instrument :
MSVOA_W
ClientSampleId :

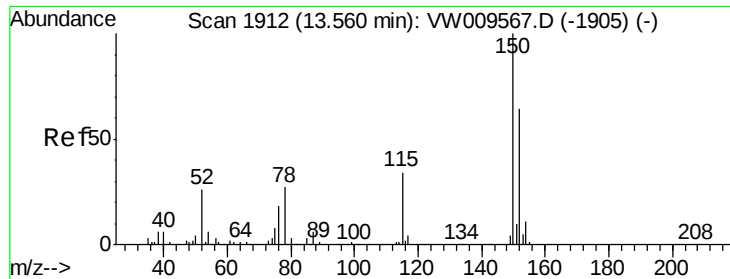
Tot Ion: 95 Resp: 118139
Ion Ratio Lower Upper
95 100
174 83.0 0.0 168.4
176 79.5 0.0 161.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VW009607.D
Acq: 31 Mar 2019 13:38

Tgt Ion: 117 Resp: 346202
Ion Ratio Lower Upper
117 100
82 58.4 43.6 65.4
119 32.3 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: VW009607.D

Acq: 31 Mar 2019 13:38

Instrument :

MSVOA_W

ClientSampleId :

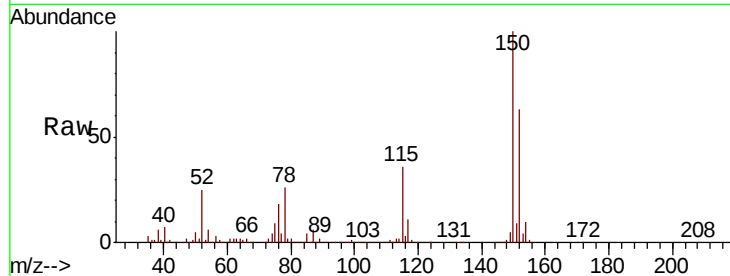
Tot Ion:152 Resp: 128151

Ion Ratio Lower Upper

152 100

115 60.3 29.6 88.8

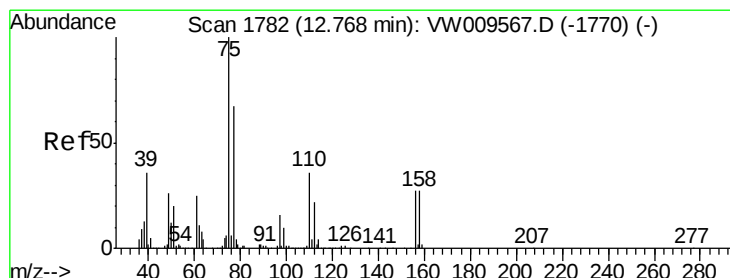
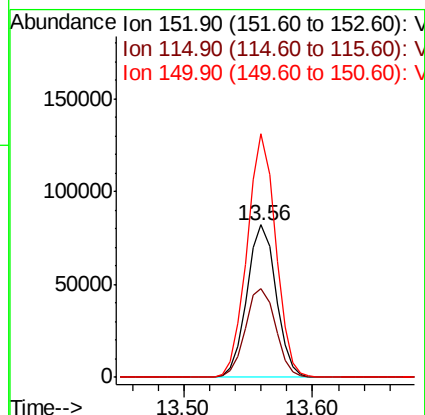
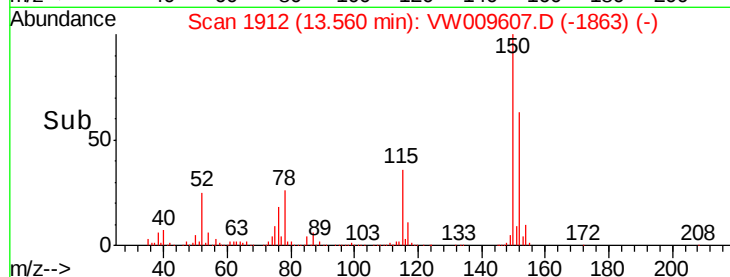
150 156.6 0.0 349.2



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: 57.137 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW009607.D

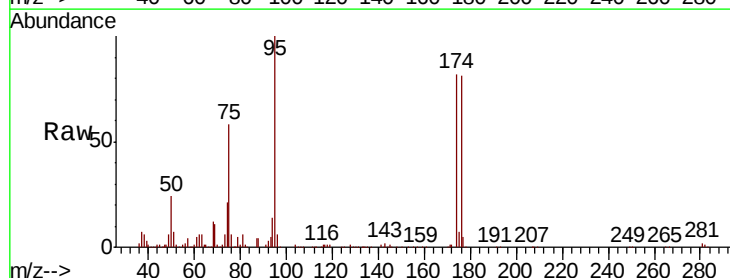
Acq: 31 Mar 2019 13:38

Tgt Ion: 75 Resp: 68857

Ion Ratio Lower Upper

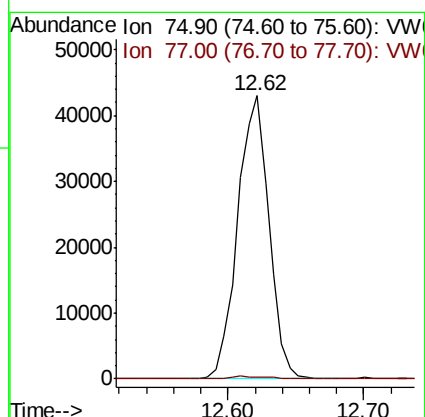
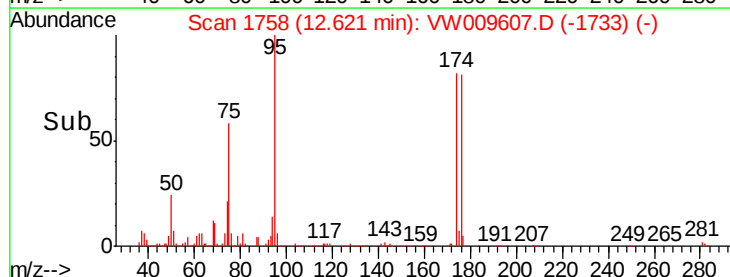
75 100

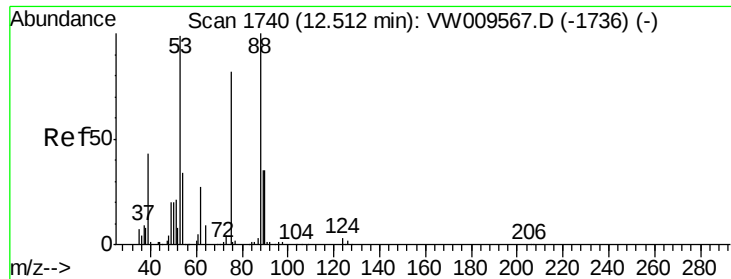
77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW

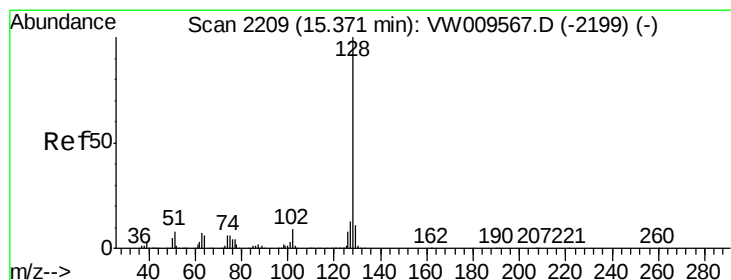
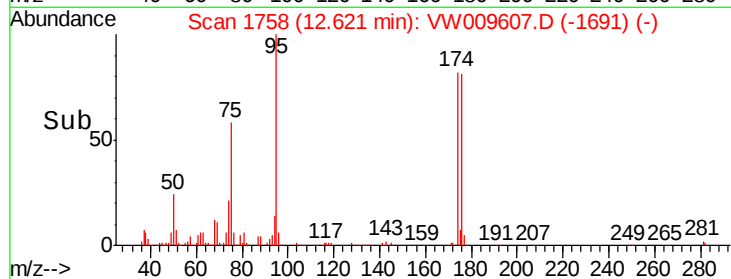
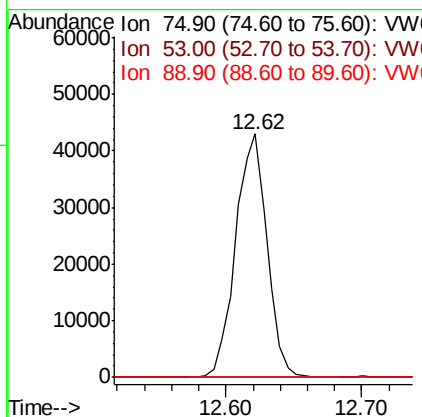
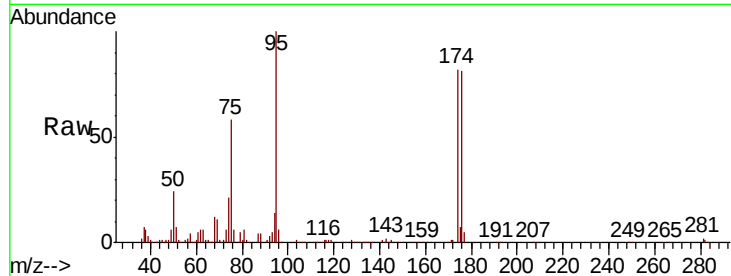




#81
trans-1,4-Dichloro-2-butene
Concen: 132.871 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.11 min
Lab File: VW009607.D
Acq: 31 Mar 2019 13:38

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 75 Resp: 68857
Ion Ratio Lower Upper
75 100
53 0.3 86.7 130.1#
89 0.0 36.4 54.6#



#95
Naphthalene
Concen: 2.922 ug/l
RT: 15.38 min Scan# 2211
Delta R.T. 0.01 min
Lab File: VW009607.D
Acq: 31 Mar 2019 13:38

Tgt Ion: 128 Resp: 1048
Ion Ratio Lower Upper
128 100
127 5.1 10.8 16.2#
129 2.8 8.7 13.1#

