

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW033119\
 Data File : VW009623.D
 Acq On : 31 Mar 2019 20:51
 Operator : SY/VA
 Sample : K2139-05RE
 Misc : 5.16G/5.0ML/MSVOA W/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Apr 01 04:57:59 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	257484	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	424240	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	395518	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	184715	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	121463	41.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	82.50%	
35) Dibromofluoromethane	7.88	113	96210	36.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	72.22%	
50) Toluene-d8	10.32	98	331498	33.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	67.32%	
62) 4-Bromofluorobenzene	12.62	95	109698	29.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	59.72%	

Target Compounds

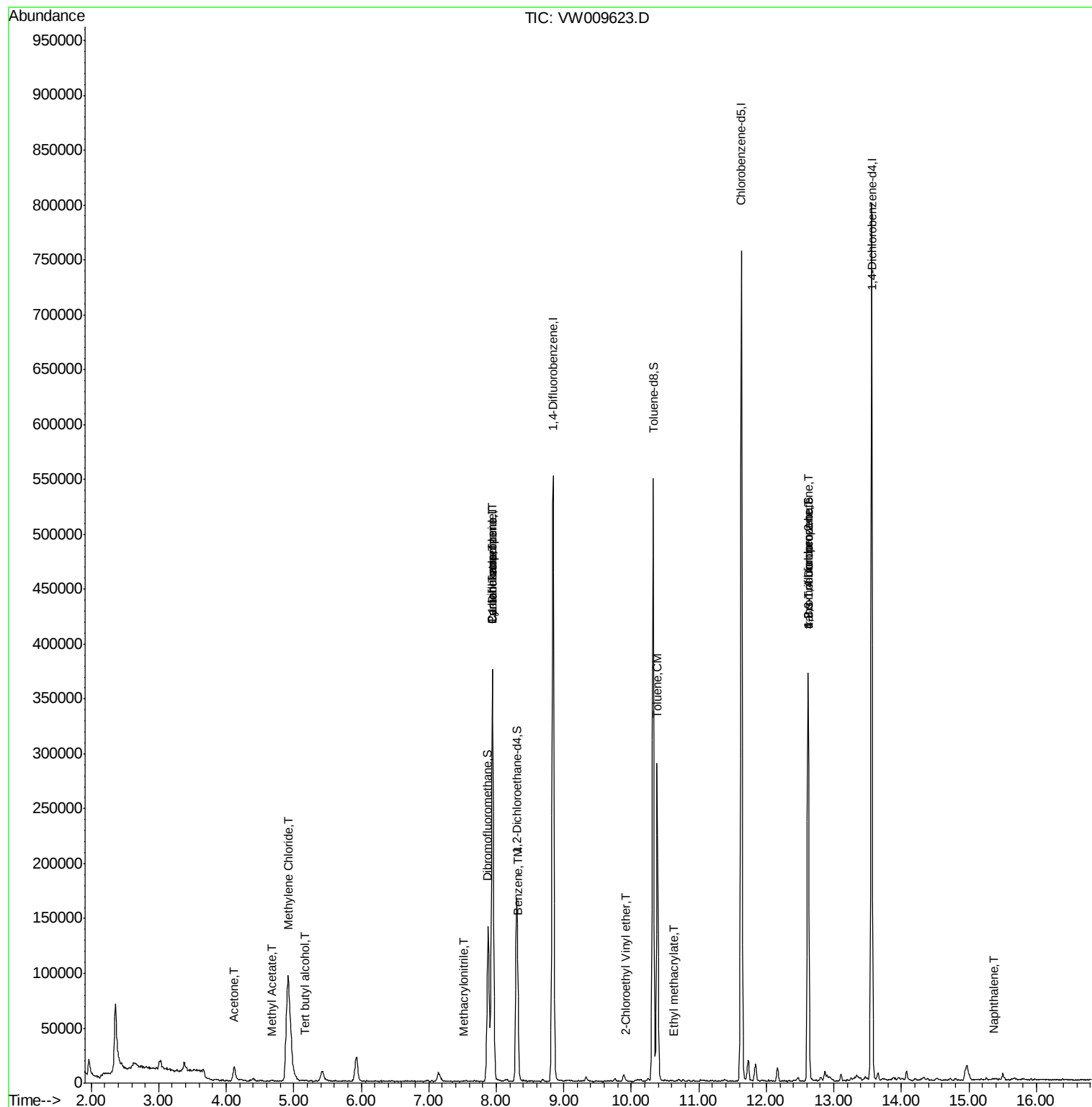
						Qvalue
2) Dichlorodifluoromethane	2.01	85	92	Below Cal	#	41
11) Tert butyl alcohol	5.16	59	899	5.266	ug/l #	70
16) Acetone	4.12	43	22977	34.708	ug/l #	87
18) Methyl Acetate	4.68	43	2513	1.570	ug/l #	76
20) Methylene Chloride	4.92	84	93712	34.912	ug/l #	89
31) Cyclohexane	7.95	56	8270	1.707	ug/l #	43
36) 1,1-Dichloropropene	7.95	75	22602	5.151	ug/l #	51
38) Carbon Tetrachloride	7.95	117	27237	6.058	ug/l #	19
40) Benzene	8.32	78	17885	1.505	ug/l	100
41) Methacrylonitrile	7.52	41	476	4.245	ug/l #	21
52) Toluene	10.38	92	115429	15.508	ug/l	99
56) Ethyl methacrylate	10.63	69	95	3.825	ug/l #	1
58) 2-Chloroethyl Vinyl ether	9.92	63	94	17.076	ug/l #	46
76) 1,2,3-Trichloropropane	12.62	75	62354	35.897	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	62354	83.477	ug/l #	7
95) Naphthalene	15.37	128	873	2.838	ug/l #	93

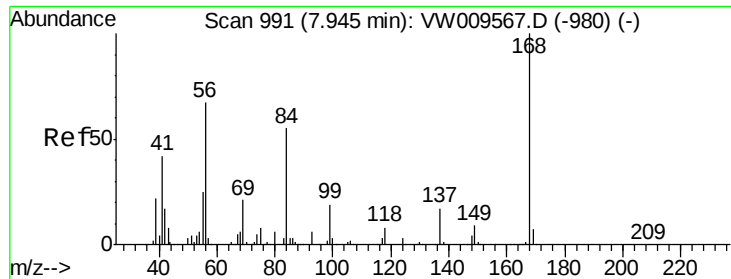
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW033119\
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Quant Title : SW846 8260
QLast Update : Fri Mar 29 13:24:53 2019
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: VW009623.D

Acq: 31 Mar 2019 20:51

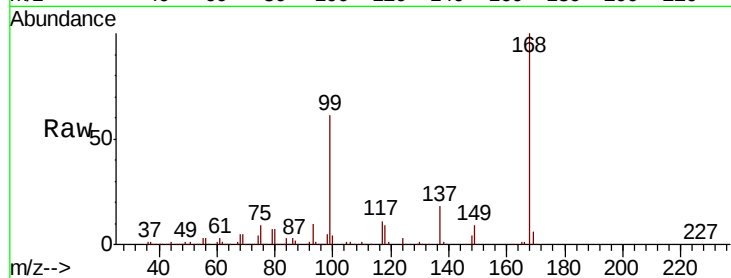
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:168 Resp: 257484

Ion Ratio Lower Upper

168 100

99 60.6 45.4 68.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

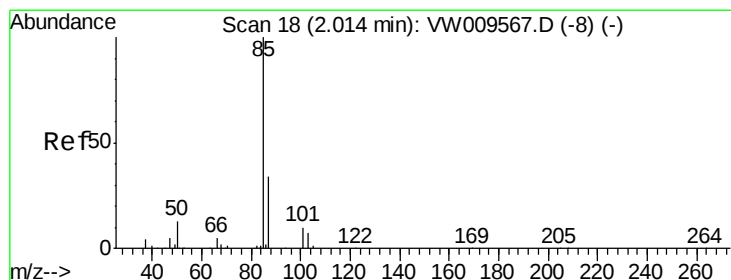
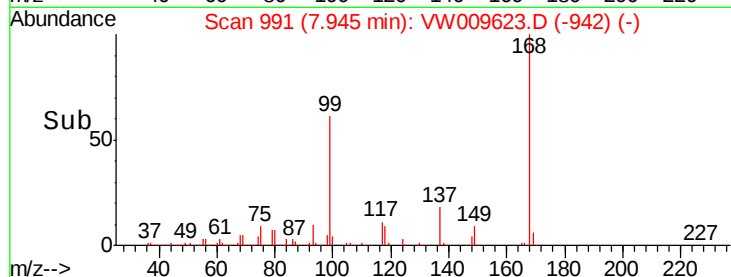
7.95

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW009623.D

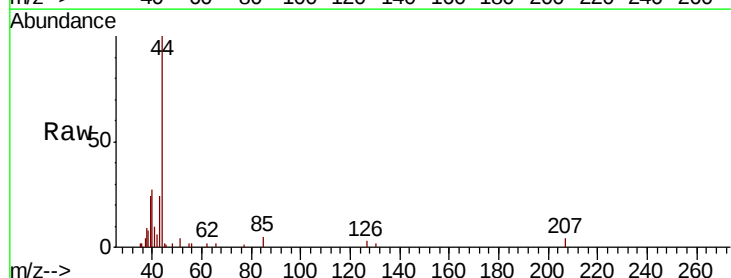
Acq: 31 Mar 2019 20:51

Tgt Ion: 85 Resp: 92

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

200

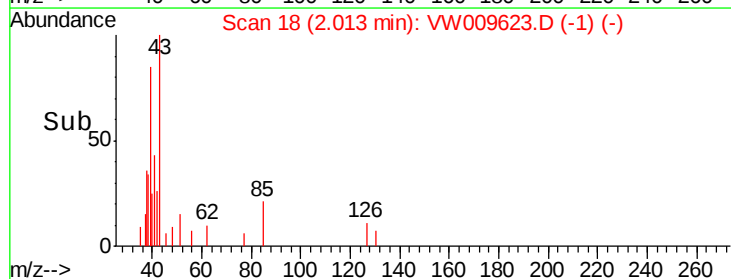
150

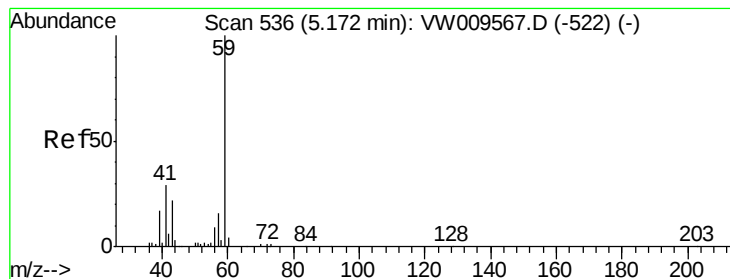
100

50

0

Time-->



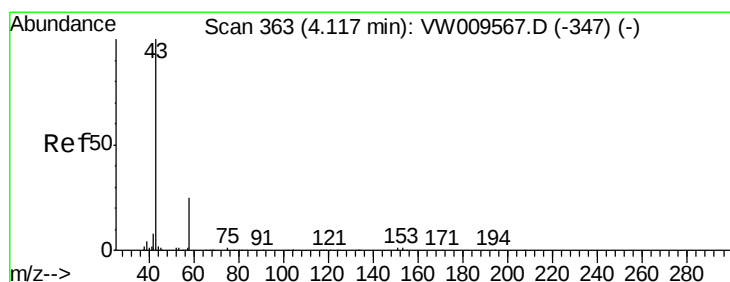
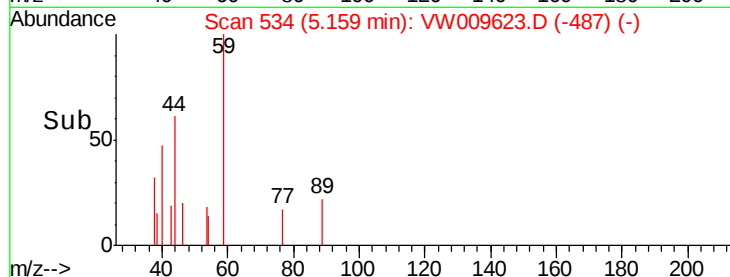
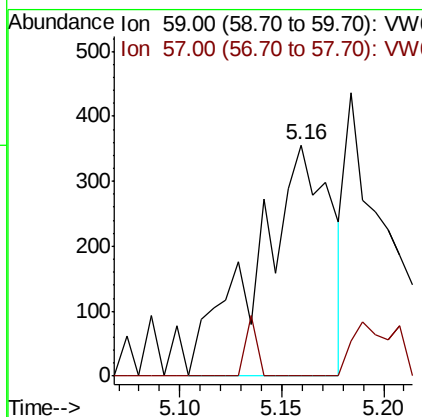
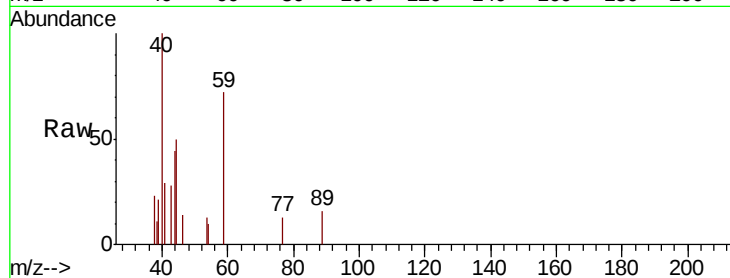


#11

Tert butyl alcohol
Concen: 5.266 ug/l
RT: 5.16 min Scan# 534
Delta R.T. -0.01 min
Lab File: VW009623.D
Acq: 31 Mar 2019 20:51

Instrument :
MSVOA_W
ClientSampled :

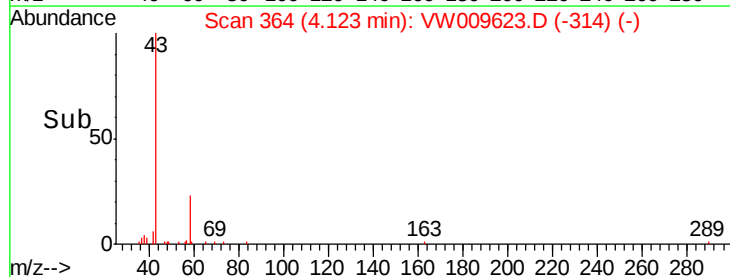
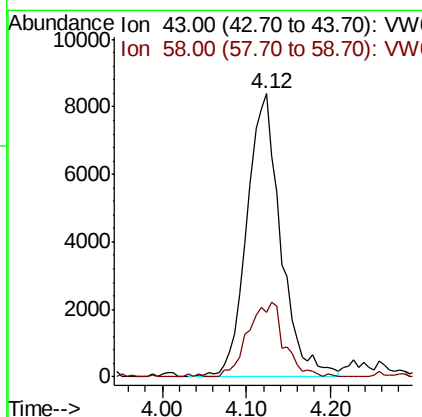
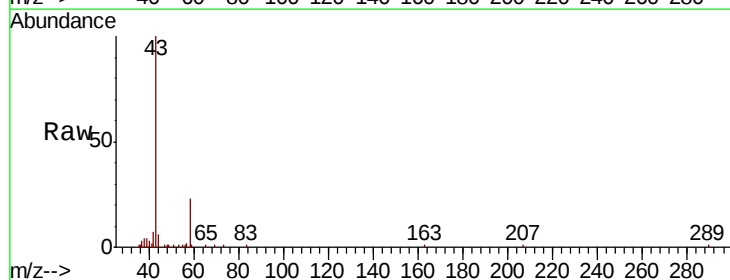
Tot Ion: 59 Resp: 899
Ion Ratio Lower Upper
59 100
57 0.0 9.4 14.0#

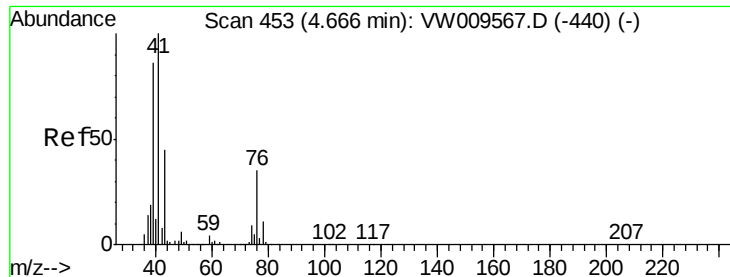


#16

Acetone
Concen: 34.708 ug/l
RT: 4.12 min Scan# 364
Delta R.T. 0.01 min
Lab File: VW009623.D
Acq: 31 Mar 2019 20:51

Tgt Ion: 43 Resp: 22977
Ion Ratio Lower Upper
43 100
58 22.7 23.6 35.4#

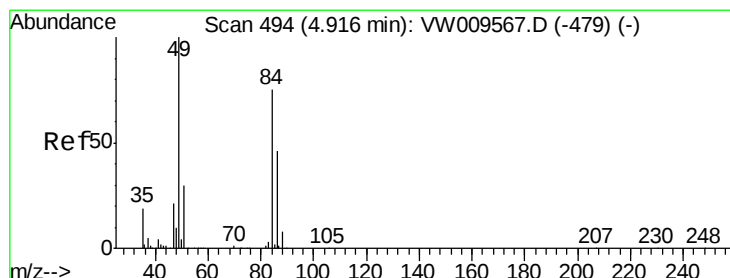
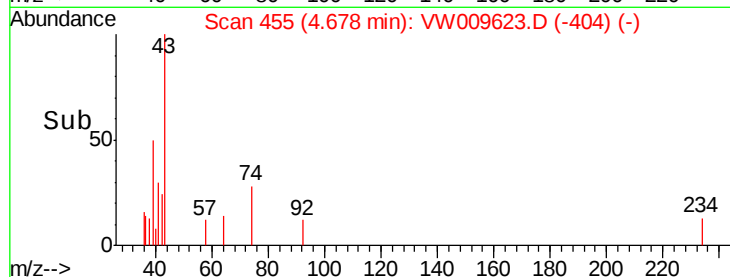
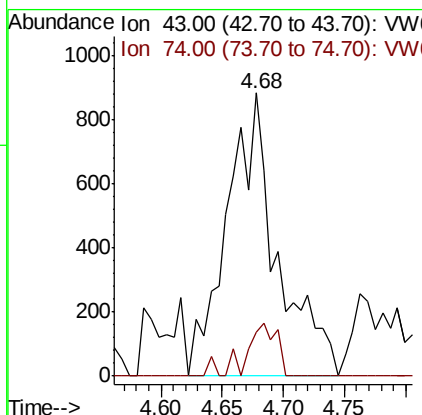
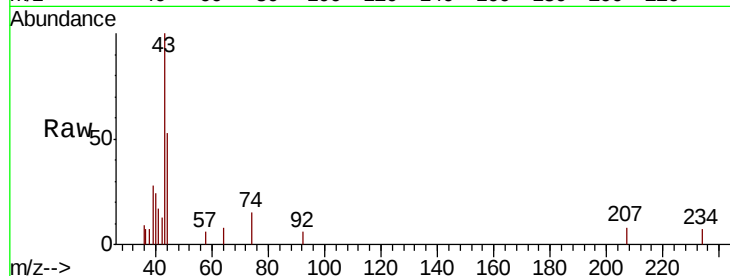




#18
Methvl Acetate
Concen: 1.570 ug/l
RT: 4.68 min Scan# 455
Delta R.T. 0.01 min
Lab File: VW009623.D
Acq: 31 Mar 2019 20:51

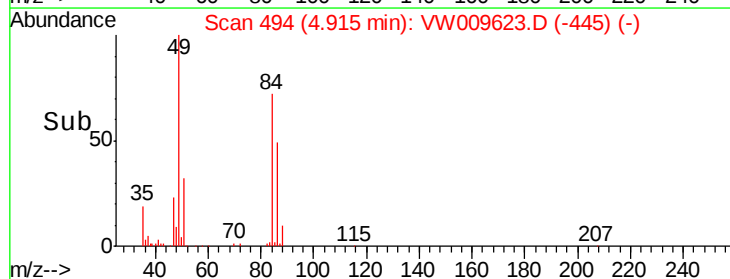
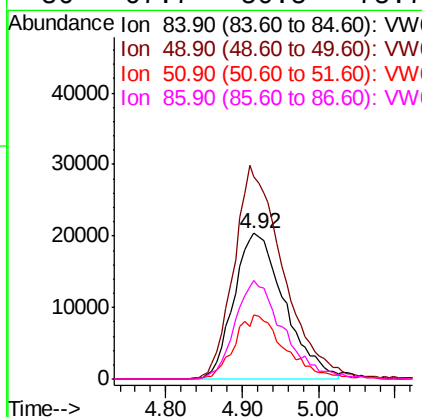
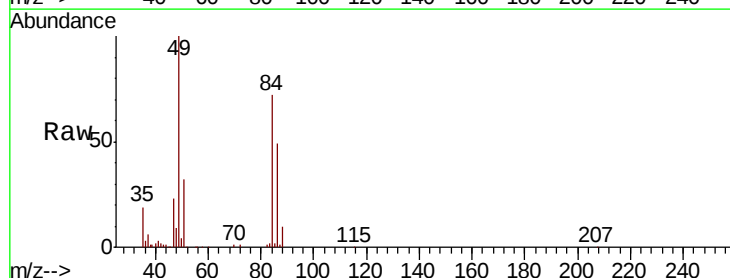
Instrument :
MSVOA_W
ClientSampled :

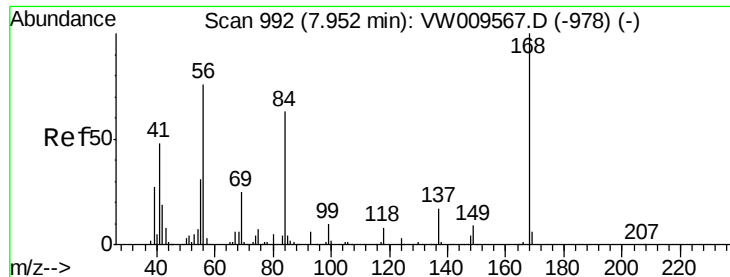
Tot Ion: 43 Resp: 2513
Ion Ratio Lower Upper
43 100
74 10.6 17.7 26.5#



#20
Methylene Chloride
Concen: 34.912 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW009623.D
Acq: 31 Mar 2019 20:51

Tgt Ion: 84 Resp: 93712
Ion Ratio Lower Upper
84 100
49 138.8 99.1 148.7
51 44.4 28.7 43.1#
86 67.7 50.5 75.7

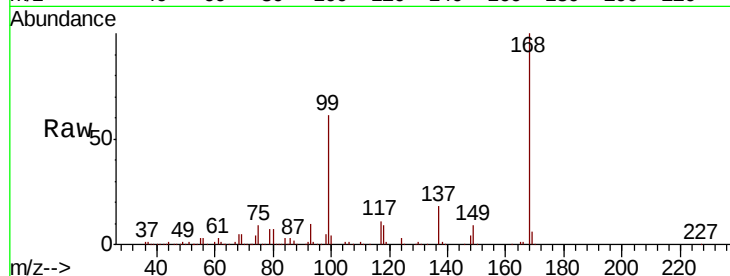




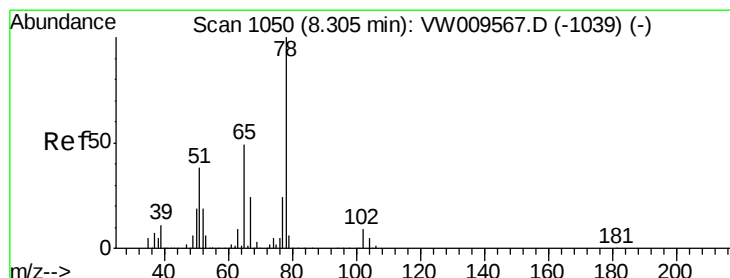
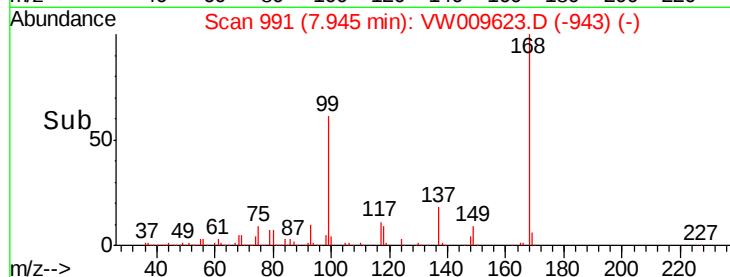
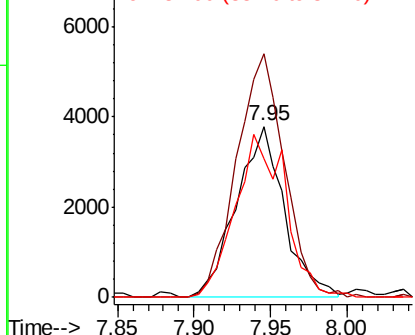
#31
Cyclohexane
Concen: 1.707 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW009623.D
Acq: 31 Mar 2019 20:51

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 56 Resp: 8270
Ion Ratio Lower Upper
56 100
69 142.3 26.1 39.1#
84 81.2 68.6 103.0

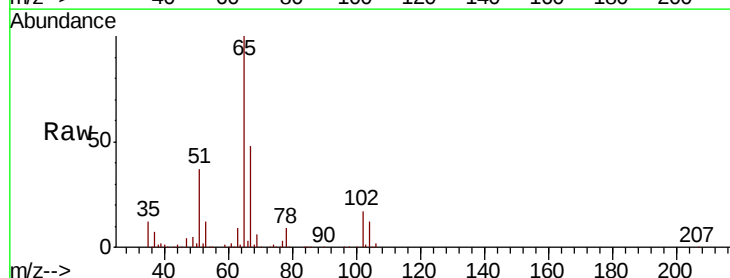


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

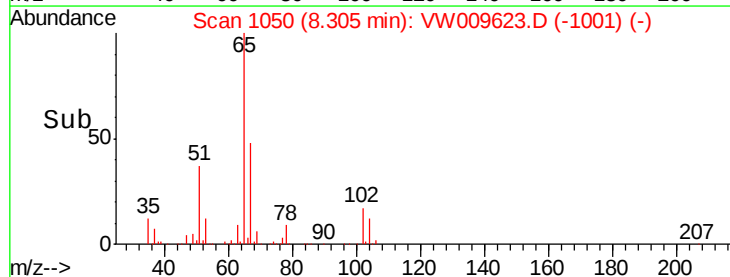
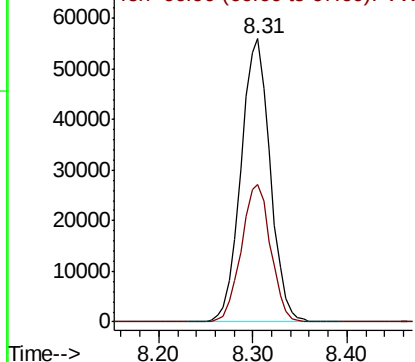


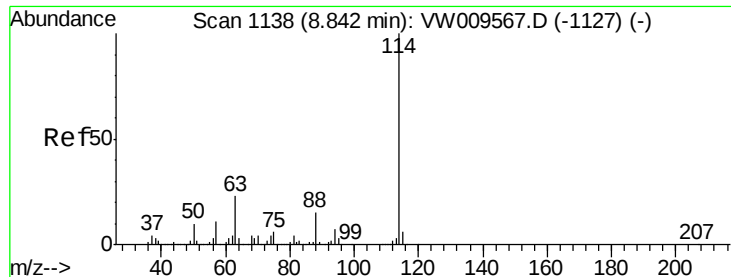
#33
1,2-Dichloroethane-d4
Concen: 41.252 ug/l
RT: 8.31 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VW009623.D
Acq: 31 Mar 2019 20:51

Tgt Ion: 65 Resp: 121463
Ion Ratio Lower Upper
65 100
67 48.6 0.0 102.4



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

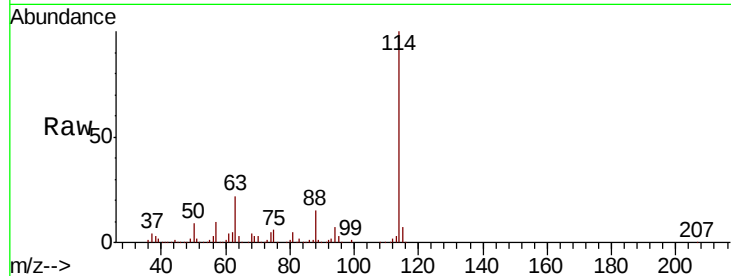




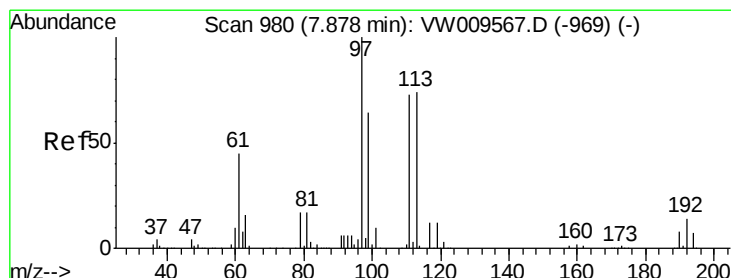
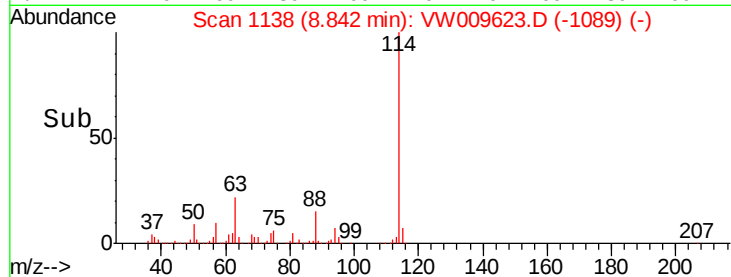
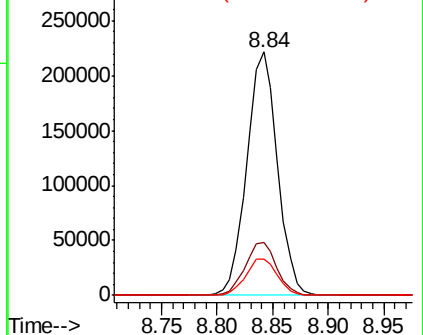
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW009623.D
 Acq: 31 Mar 2019 20:51

Instrument :
 MSVOA_W
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
114	100		
63	21.5	0.0	42.2
88	14.8	0.0	30.8

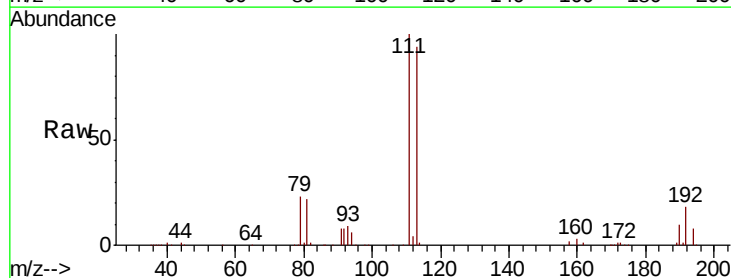


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

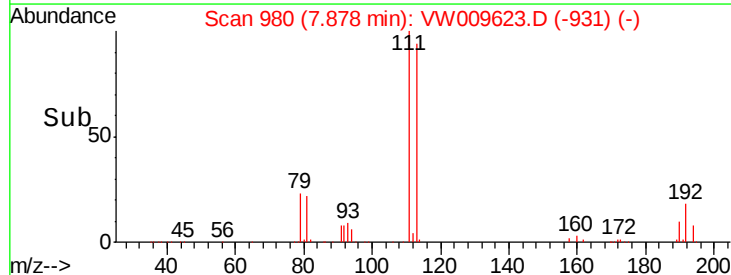
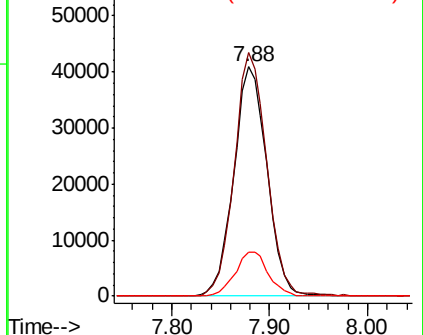


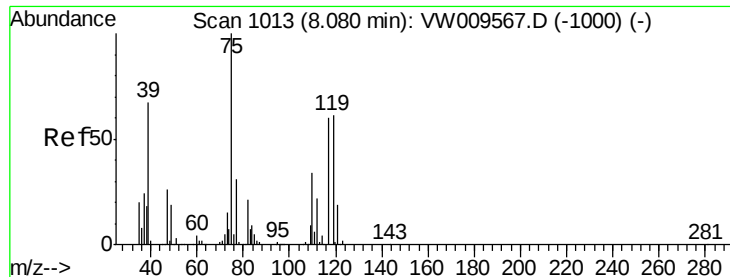
#35
 Dibromofluoromethane
 Concen: 36.107 ug/l
 RT: 7.88 min Scan# 980
 Delta R.T. -0.00 min
 Lab File: VW009623.D
 Acq: 31 Mar 2019 20:51

Tgt Ion	Ratio	Lower	Upper
113	100		
111	104.0	82.6	124.0
192	19.4	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: 5.151 ug/l

RT: 7.95 min Scan# 991

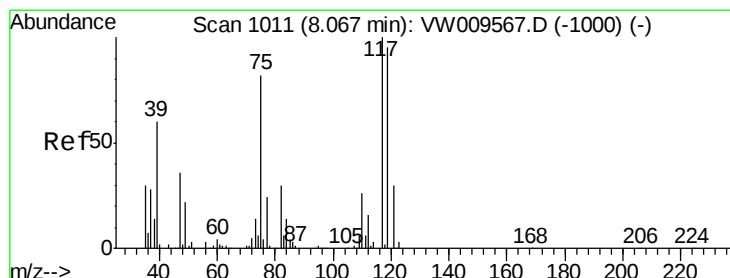
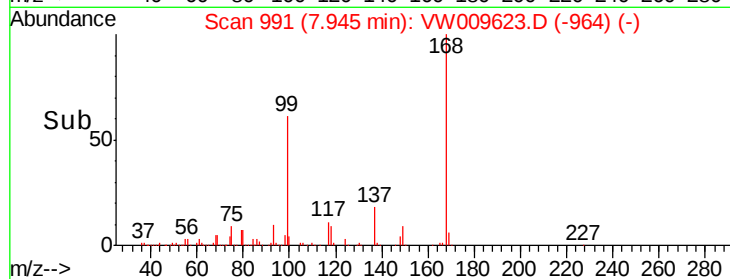
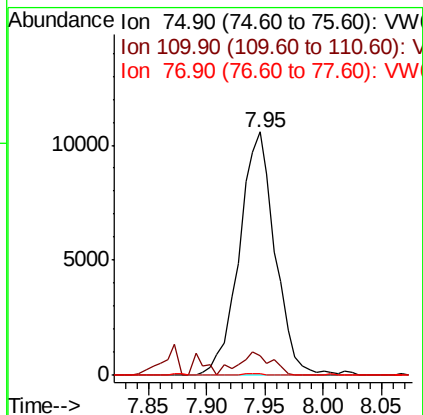
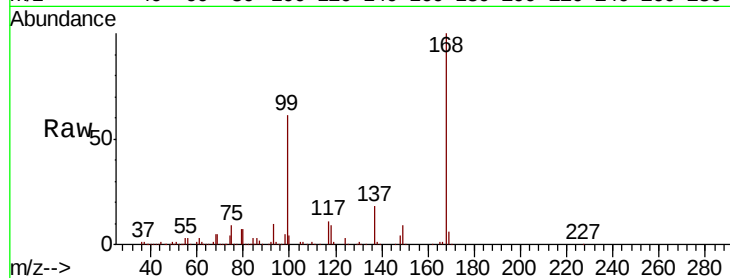
Delta R.T. -0.13 min

Lab File: VW009623.D

Acq: 31 Mar 2019 20:51

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:	75	Resp:	22602
Ion	Ratio	Lower	Upper
75	100		
110	8.9	16.8	50.4#
77	0.0	24.6	36.8#



#38

Carbon Tetrachloride

Concen: 6.058 ug/l

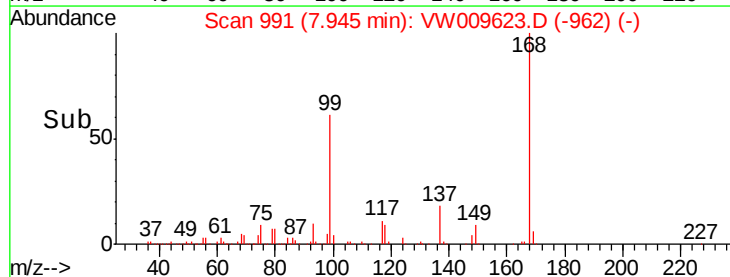
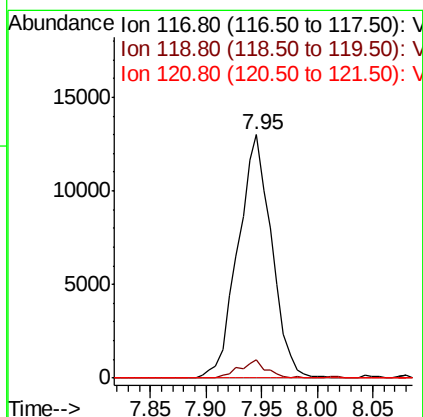
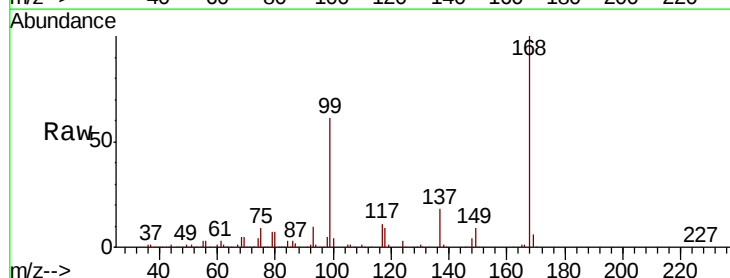
RT: 7.95 min Scan# 991

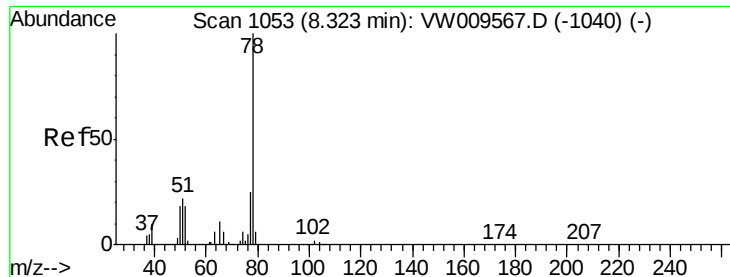
Delta R.T. -0.12 min

Lab File: VW009623.D

Acq: 31 Mar 2019 20:51

Tgt Ion:	117	Resp:	27237
Ion	Ratio	Lower	Upper
117	100		
119	7.6	75.4	113.0#
121	0.0	24.9	37.3#





#40

Benzene

Concen: 1.505 ug/l

RT: 8.32 min Scan# 1053

Delta R.T. -0.00 min

Lab File: VW009623.D

Acq: 31 Mar 2019 20:51

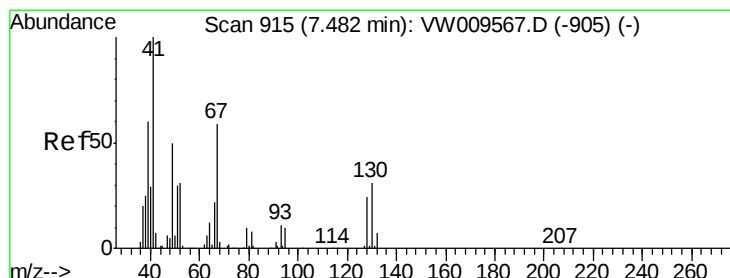
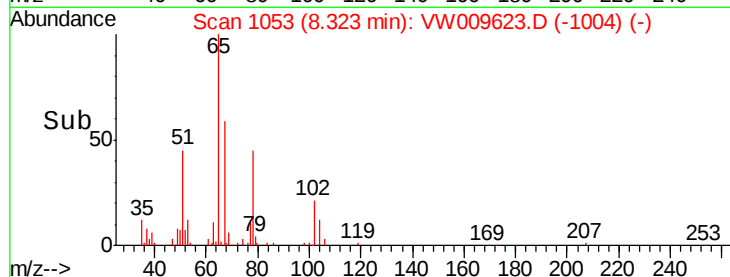
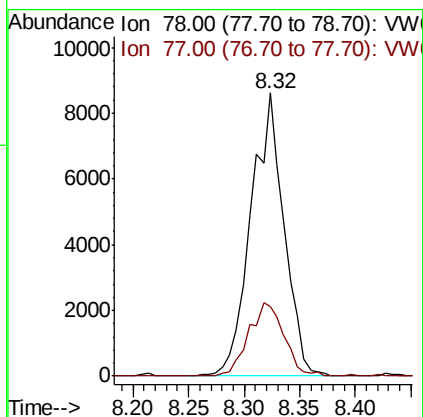
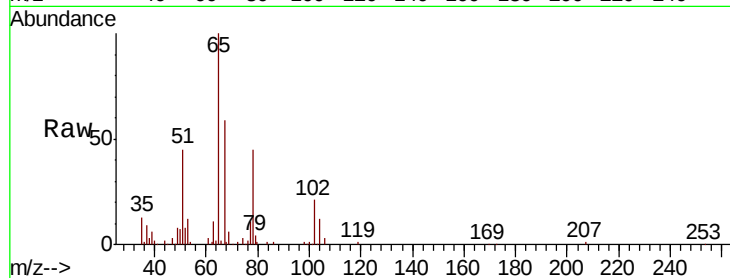
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 78 Resp: 17885

Ion Ratio Lower Upper

78 100

77 24.5 19.8 29.6



#41

Methacrylonitrile

Concen: 4.245 ug/l

RT: 7.52 min Scan# 921

Delta R.T. 0.04 min

Lab File: VW009623.D

Acq: 31 Mar 2019 20:51

Tgt Ion: 41 Resp: 476

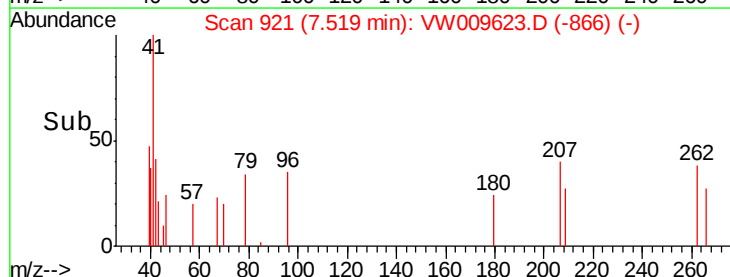
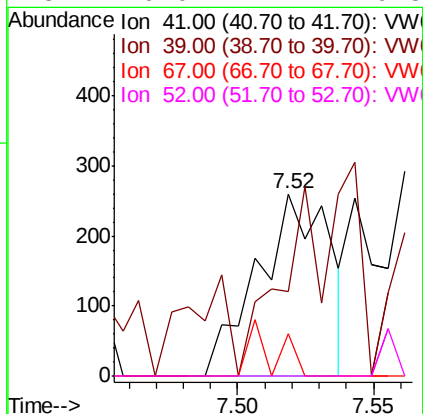
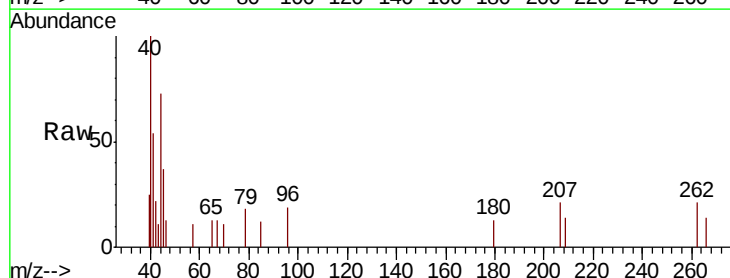
Ion Ratio Lower Upper

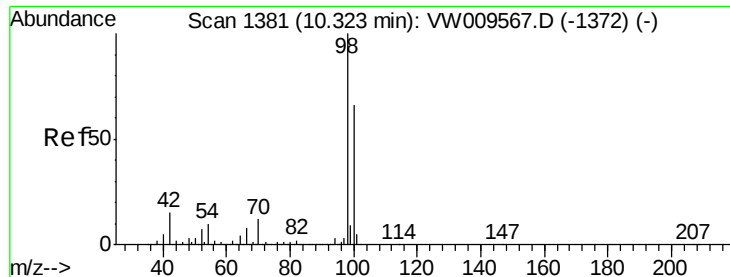
41 100

39 0.0 52.5 78.7#

67 0.0 56.6 84.8#

52 0.0 27.2 40.8#

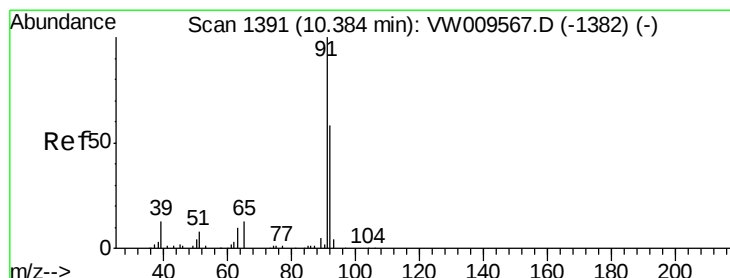
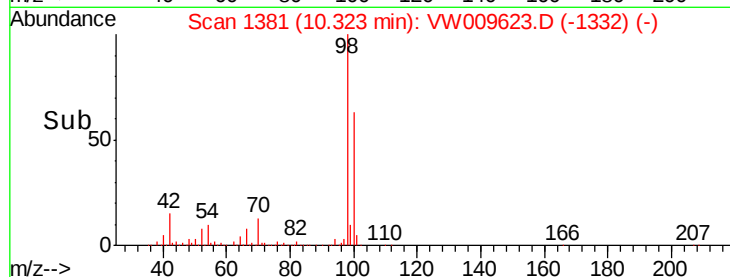
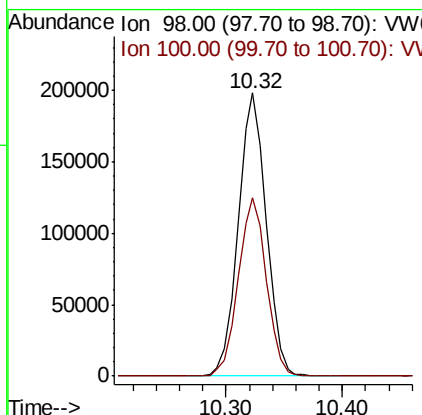
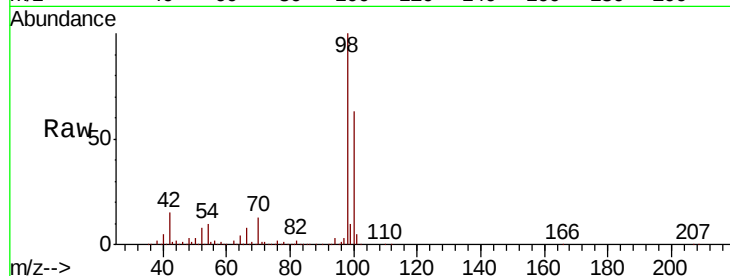




#50
Toluene-d8
Concen: 33.660 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW009623.D
Acq: 31 Mar 2019 20:51

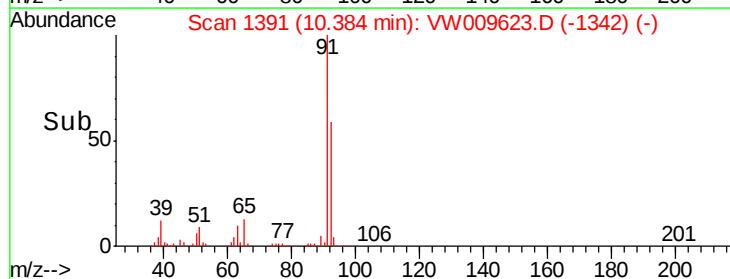
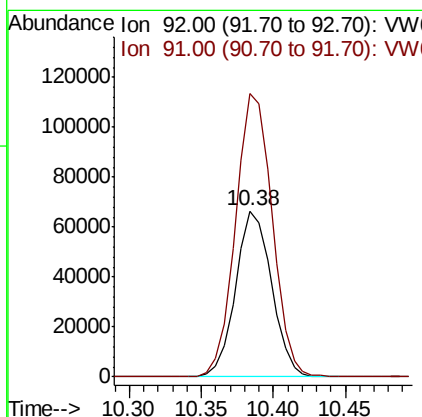
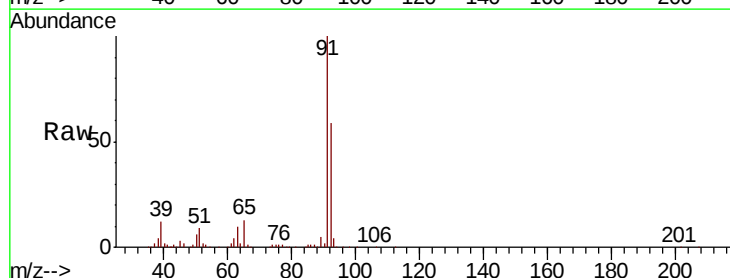
Instrument :
MSVOA_W
ClientSampleId :

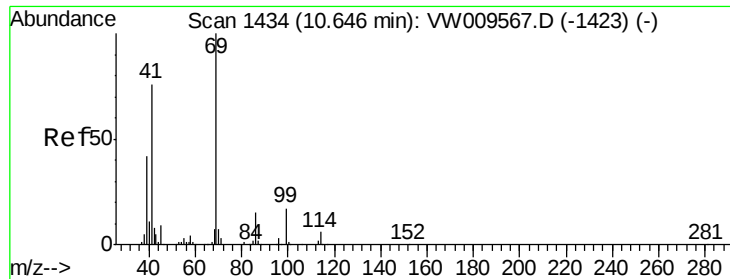
Tot Ion: 98 Resp: 331498
Ion Ratio Lower Upper
98 100
100 63.4 52.6 79.0



#52
Toluene
Concen: 15.508 ug/l
RT: 10.38 min Scan# 1391
Delta R.T. -0.00 min
Lab File: VW009623.D
Acq: 31 Mar 2019 20:51

Tgt Ion: 92 Resp: 115429
Ion Ratio Lower Upper
92 100
91 174.1 140.1 210.1





#56

Ethyl methacrylate

Concen: 3.825 ug/l

RT: 10.63 min Scan# 1432

Delta R.T. -0.01 min

Lab File: VW009623.D

Acq: 31 Mar 2019 20:51

Instrument :

MSVOA_W

ClientSampleId :

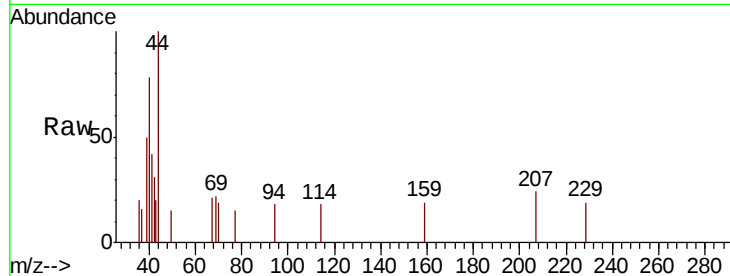
Tot Ion: 69 Resp: 95

Ion Ratio Lower Upper

69 100

41 303.2 59.3 88.9#

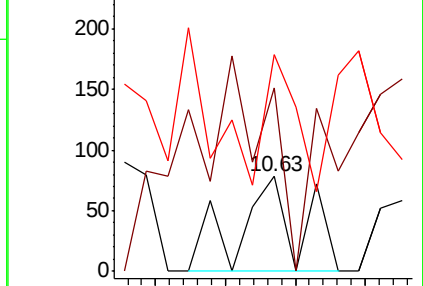
39 0.0 36.2 54.2#



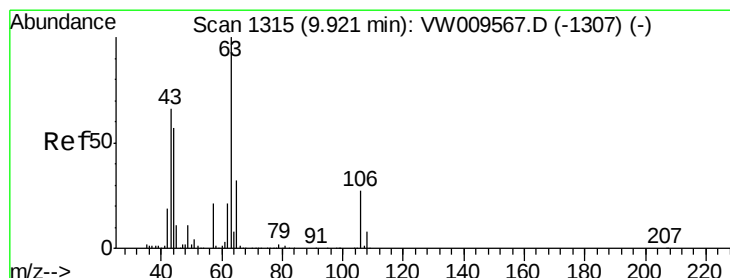
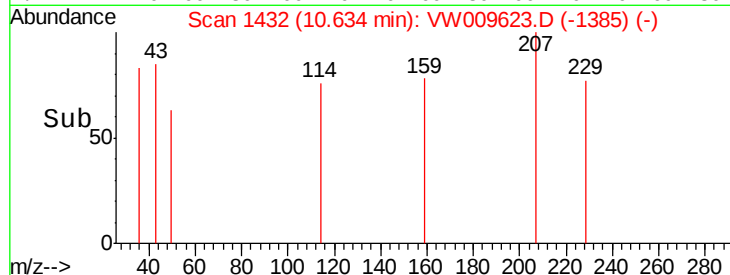
Abundance Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW



Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 17.076 ug/l

RT: 9.92 min Scan# 1315

Delta R.T. 0.00 min

Lab File: VW009623.D

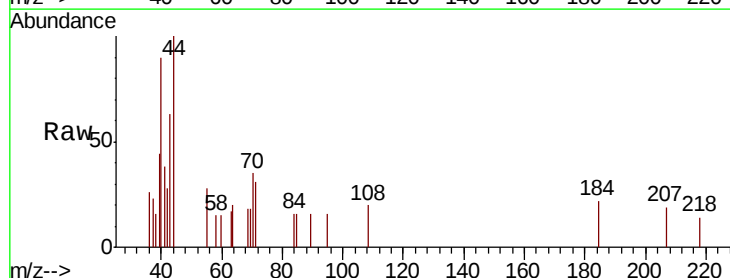
Acq: 31 Mar 2019 20:51

Tgt Ion: 63 Resp: 94

Ion Ratio Lower Upper

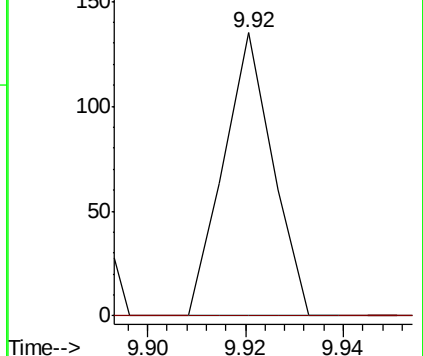
63 100

106 0.0 22.9 34.3#

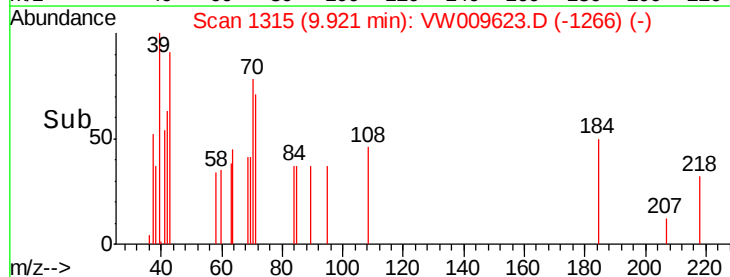


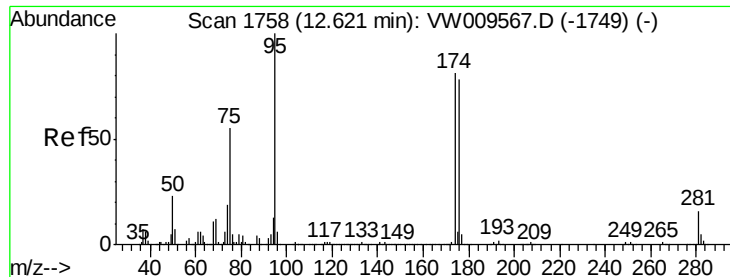
Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 105.90 (105.60 to 106.60): V



Time-->

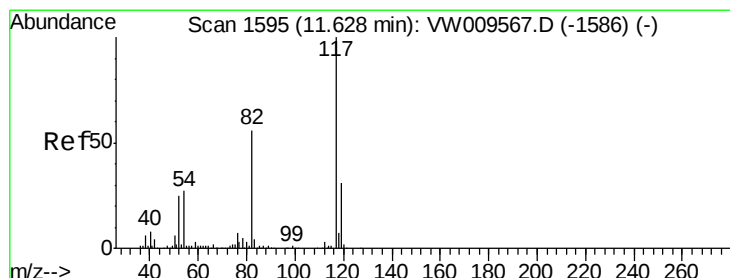
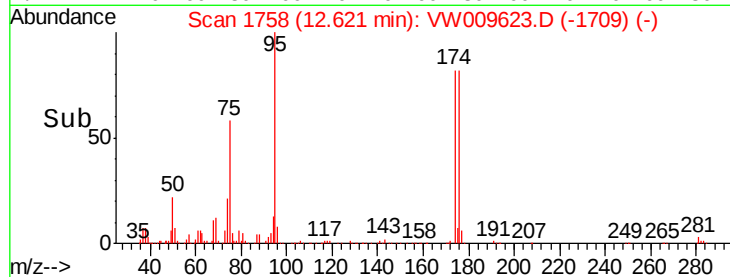
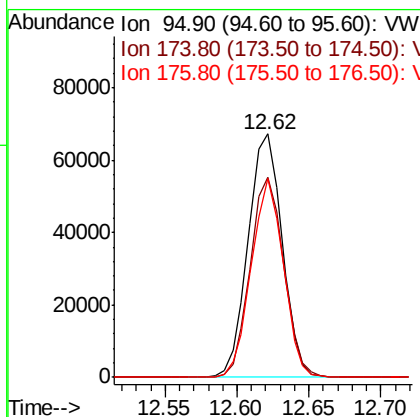
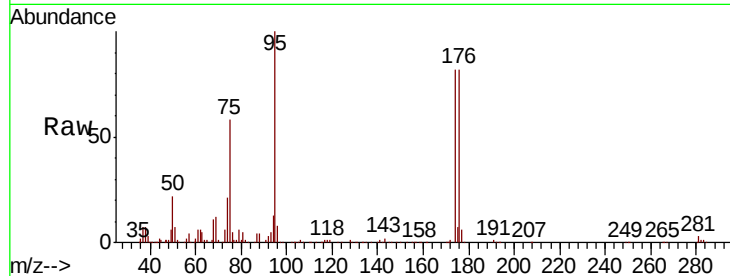




#62
4-Bromofluorobenzene
Concen: 29.858 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.00 min
Lab File: VW009623.D
Acq: 31 Mar 2019 20:51

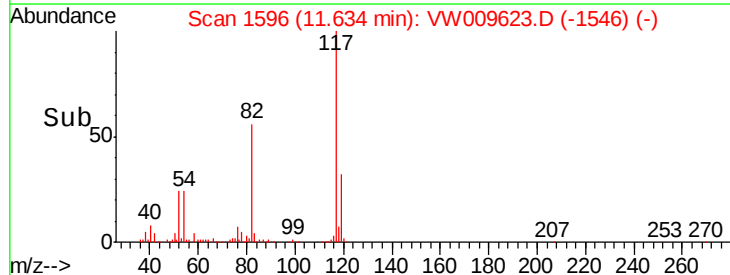
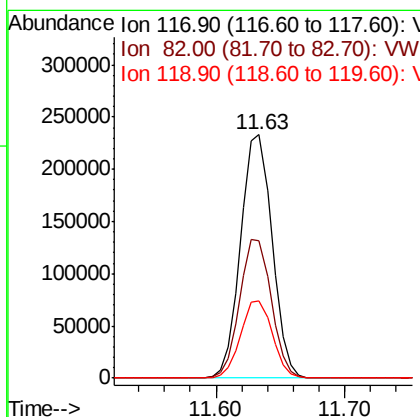
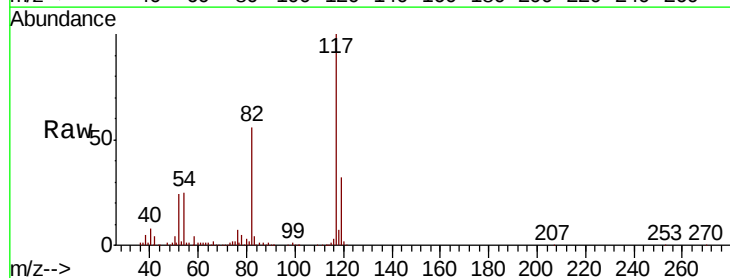
Instrument :
MSVOA_W
ClientSampleId :

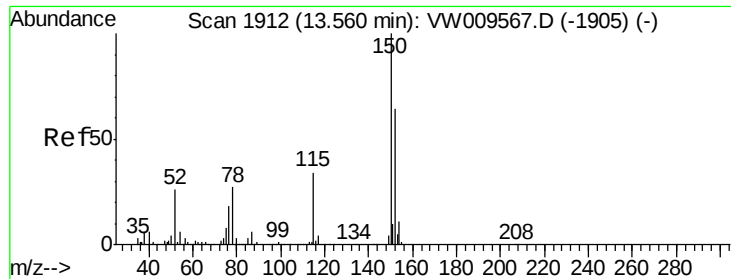
Tot Ion: 95 Resp: 109698
Ion Ratio Lower Upper
95 100
174 81.2 0.0 168.4
176 77.1 0.0 161.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.01 min
Lab File: VW009623.D
Acq: 31 Mar 2019 20:51

Tgt Ion: 117 Resp: 395518
Ion Ratio Lower Upper
117 100
82 56.3 43.6 65.4
119 31.6 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: VW009623.D

Acq: 31 Mar 2019 20:51

Instrument :

MSVOA_W

ClientSampled :

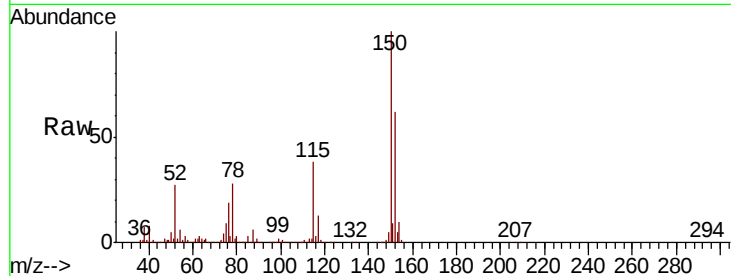
Tot Ion:152 Resp: 184715

Ion Ratio Lower Upper

152 100

115 59.6 29.6 88.8

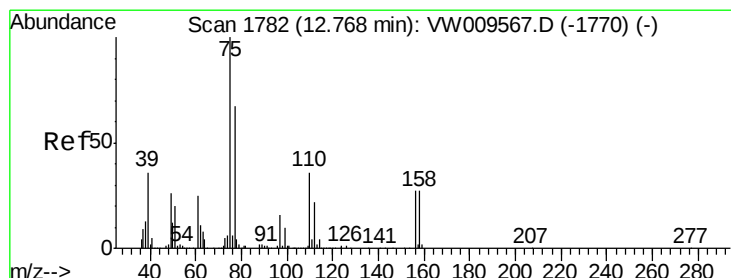
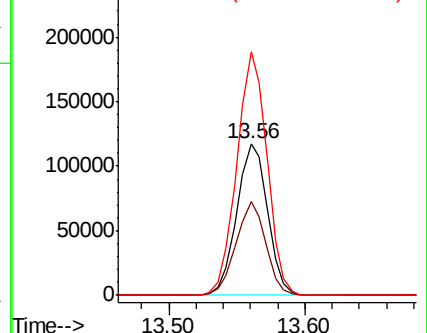
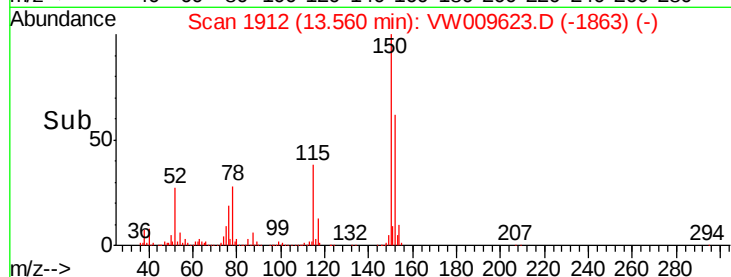
150 157.1 0.0 349.2



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: 35.897 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW009623.D

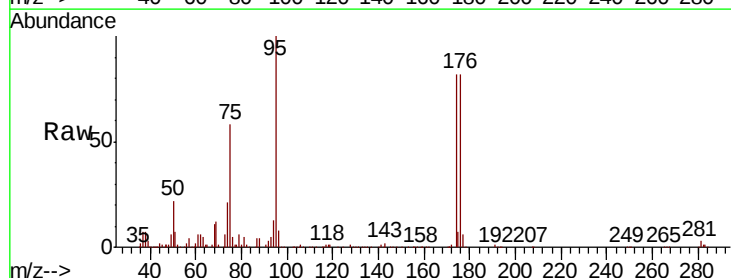
Acq: 31 Mar 2019 20:51

Tgt Ion: 75 Resp: 62354

Ion Ratio Lower Upper

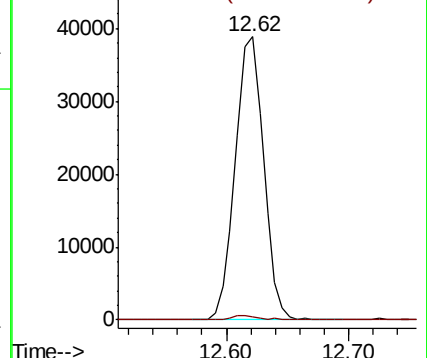
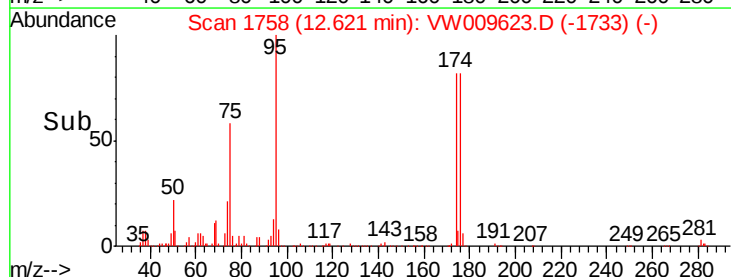
75 100

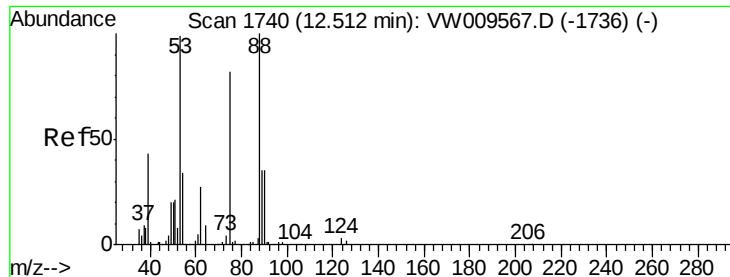
77 1.4 0.0 0.0#



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: 83.477 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW009623.D

Acq: 31 Mar 2019 20:51

Instrument :

MSVOA_W

ClientSampled :

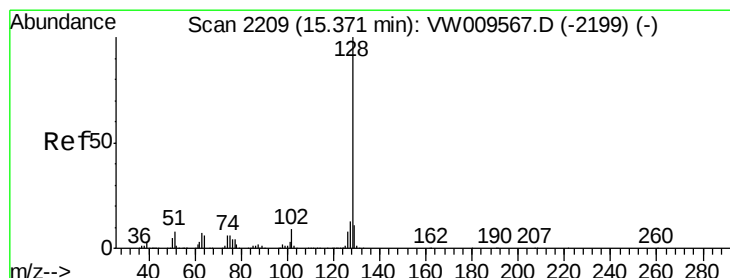
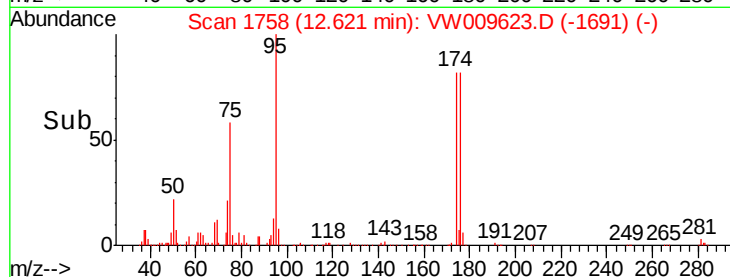
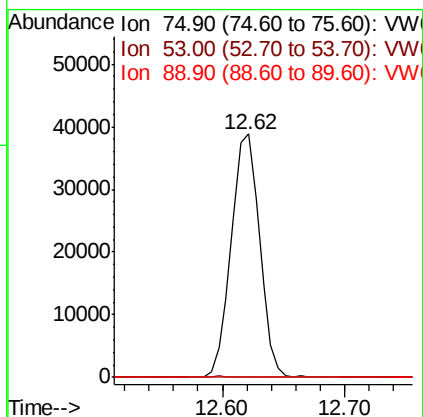
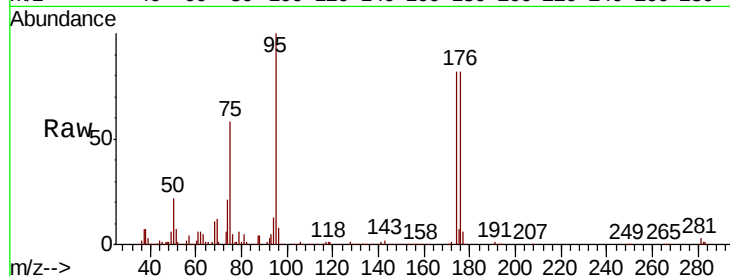
Tot Ion: 75 Resp: 62354

Ion Ratio Lower Upper

75 100

53 0.2 86.7 130.1#

89 0.0 36.4 54.6#



#95

Naphthalene

Concen: 2.838 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW009623.D

Acq: 31 Mar 2019 20:51

Tgt Ion: 128 Resp: 873

Ion Ratio Lower Upper

128 100

127 15.9 10.8 16.2

129 13.9 8.7 13.1#

