

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW033119\
 Data File : VW009621.D
 Acq On : 31 Mar 2019 19:57
 Operator : SY/VA
 Sample : K2173-01
 Misc : 5.71G/5.0ML/MSVOA W/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Apr 01 04:57:31 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	251254	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	438088	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	397373	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	190910	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	121947	42.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.88%	
35) Dibromofluoromethane	7.88	113	36572	13.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	26.58%	
50) Toluene-d8	10.32	98	342058	33.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	67.26%	
62) 4-Bromofluorobenzene	12.62	95	111665	29.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	58.86%	

Target Compounds

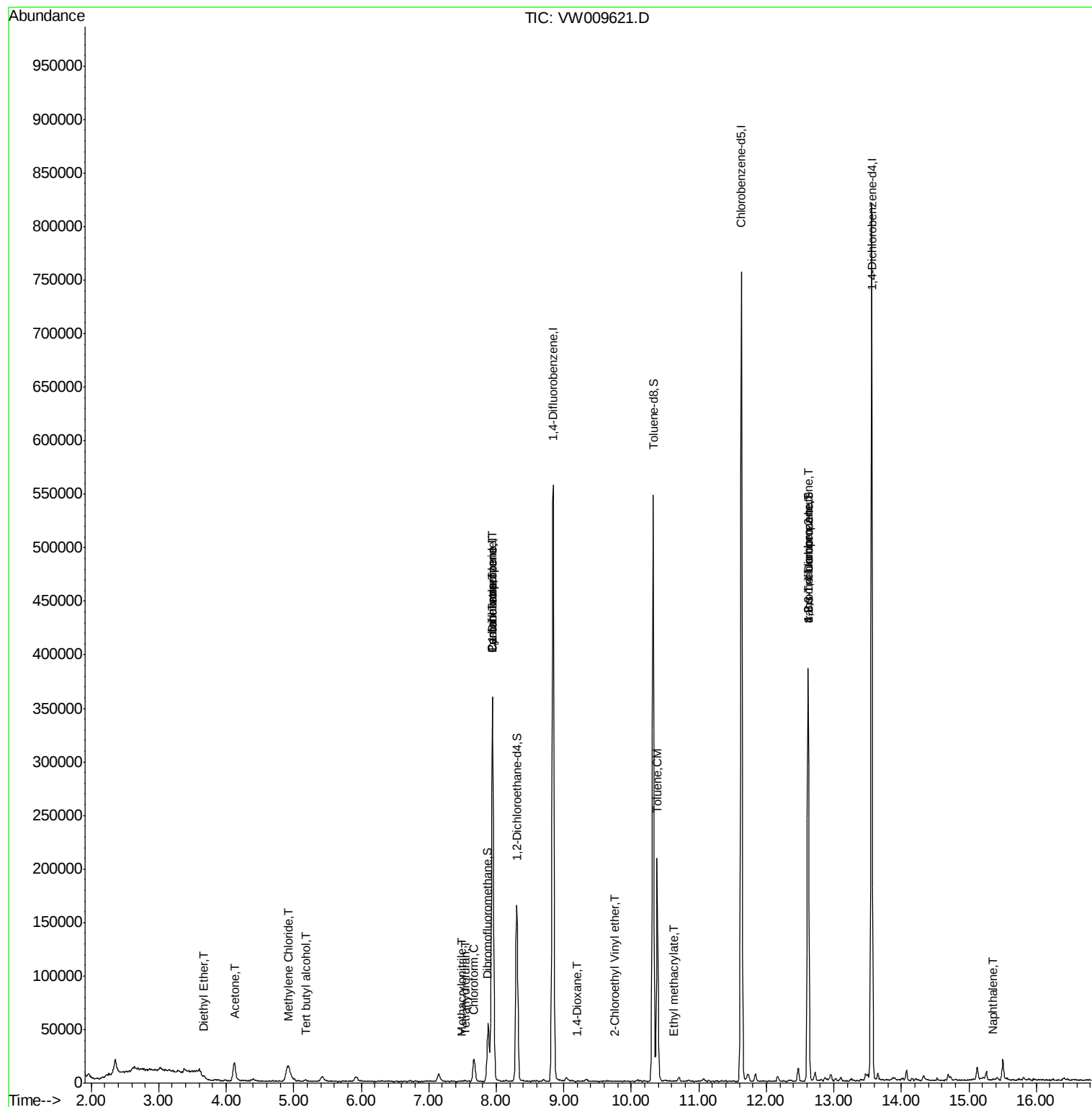
					Qvalue	
2) Dichlorodifluoromethane	2.02	85	72	Below Cal	#	41
8) Diethyl Ether	3.67	74	1708	1.317	ug/l	89
11) Tert butyl alcohol	5.18	59	980	5.883	ug/l	97
16) Acetone	4.12	43	31617	48.943	ug/l #	87
20) Methylene Chloride	4.92	84	14334	1.927	ug/l	87
29) Tetrahydrofuran	7.54	42	961	1.734	ug/l #	54
30) Chloroform	7.67	83	18067	3.460	ug/l	97
31) Cyclohexane	7.95	56	7598	1.607	ug/l #	46
36) 1,1-Dichloropropene	7.95	75	21983	4.851	ug/l #	51
38) Carbon Tetrachloride	7.94	117	26030	5.606	ug/l #	17
41) Methacrylonitrile	7.49	41	91	3.981	ug/l #	28
49) 1,4-Dioxane	9.19	88	72	2.841	ug/l #	59
52) Toluene	10.38	92	81146	10.557	ug/l	100
56) Ethyl methacrylate	10.63	69	48	3.810	ug/l #	1
58) 2-Chloroethyl Vinyl ether	9.74	63	44	17.043	ug/l #	46
76) 1,2,3-Trichloropropane	12.62	75	63199	35.203	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	63199	81.863	ug/l #	7
95) Naphthalene	15.36	128	650	2.805	ug/l #	73

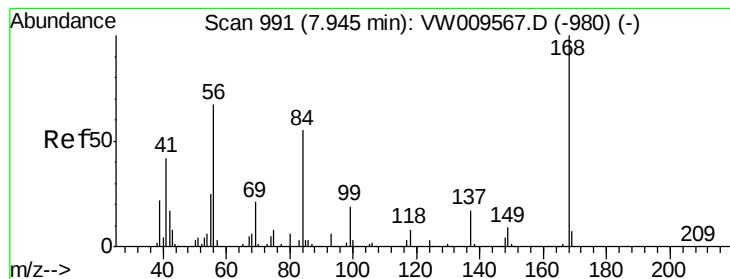
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW033119\
Data File : VW009621.D
Acq On : 31 Mar 2019 19:57
Operator : SY/VA
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Quant Time: Apr 01 04:57:31 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W032919S.M
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: VW009621.D

Acq: 31 Mar 2019 19:57

Instrument :

MSVOA_W

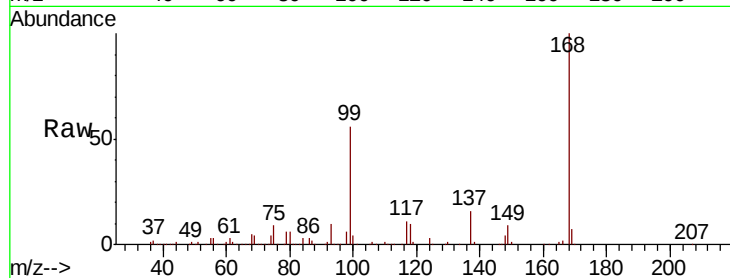
ClientSampled :

Tot Ion:168 Resp: 251254

Ion Ratio Lower Upper

168 100

99 55.8 45.4 68.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

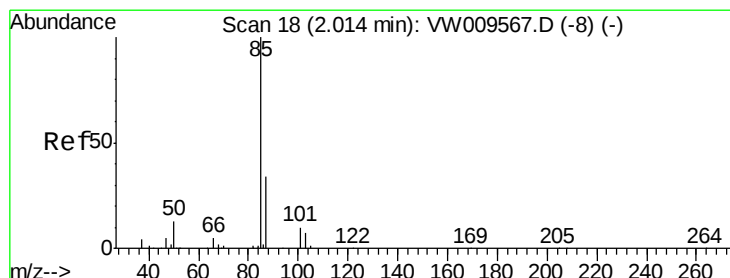
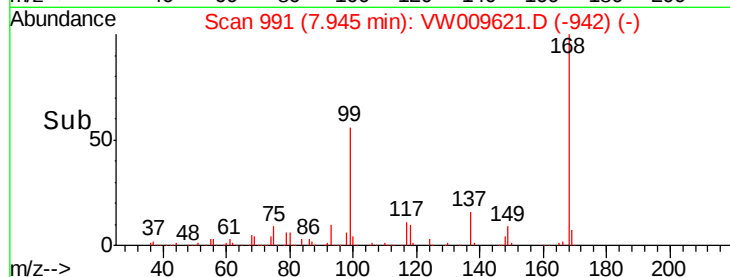
7.95

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 2.02 min Scan# 19

Delta R.T. 0.01 min

Lab File: VW009621.D

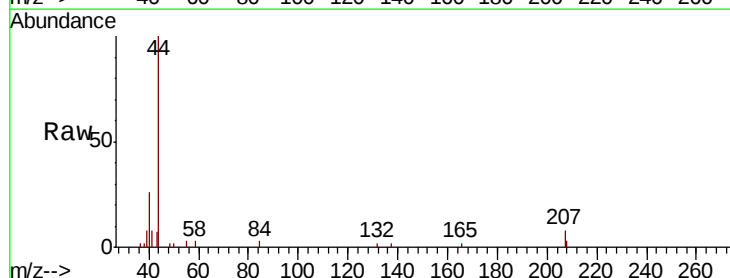
Acq: 31 Mar 2019 19:57

Tgt Ion: 85 Resp: 72

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

80

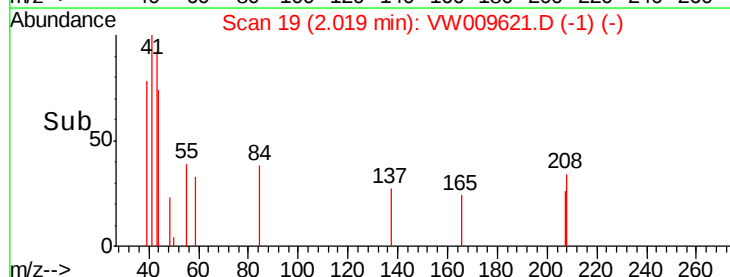
60

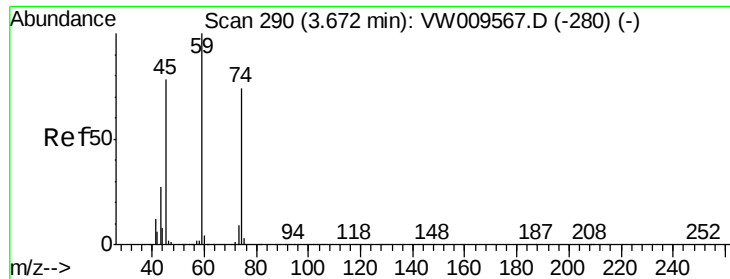
40

20

0

Time-->





#8

Diethyl Ether

Concen: 1.317 ug/l

RT: 3.67 min Scan# 290

Delta R.T. -0.00 min

Lab File: VW009621.D

Acq: 31 Mar 2019 19:57

Instrument :

MSVOA_W

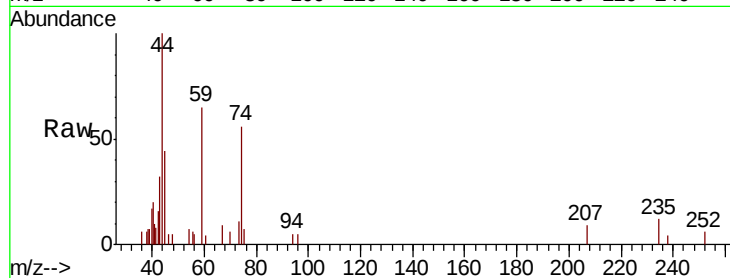
ClientSampleId :

Tot Ion: 74 Resp: 1708

Ion Ratio Lower Upper

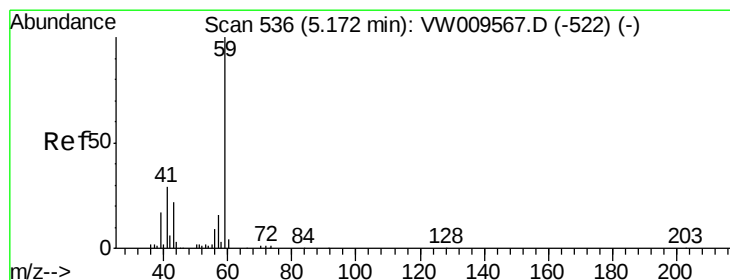
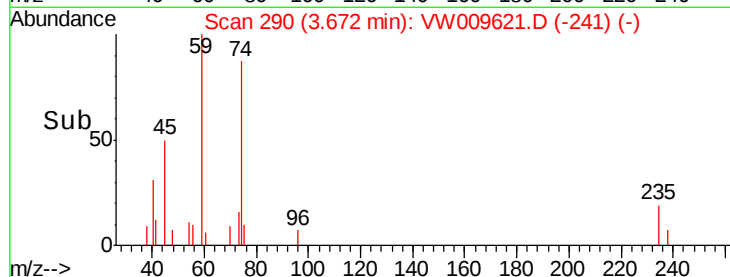
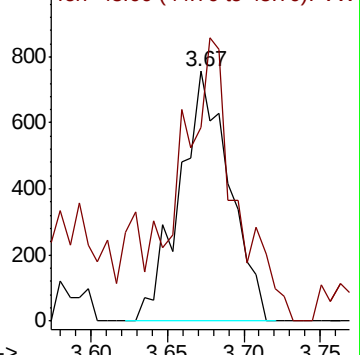
74 100

45 112.5 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: 5.883 ug/l

RT: 5.18 min Scan# 537

Delta R.T. 0.01 min

Lab File: VW009621.D

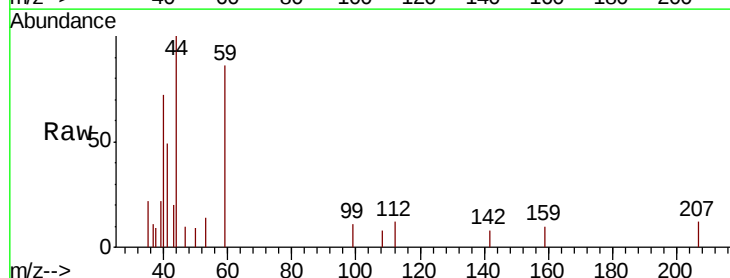
Acq: 31 Mar 2019 19:57

Tgt Ion: 59 Resp: 980

Ion Ratio Lower Upper

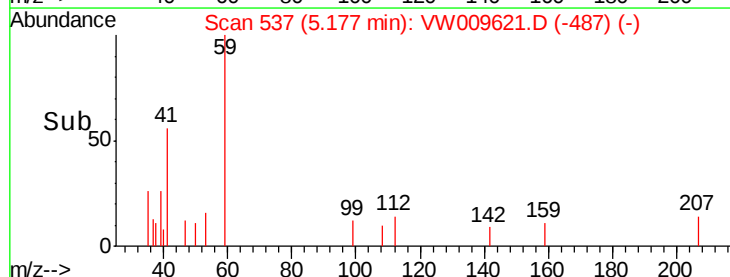
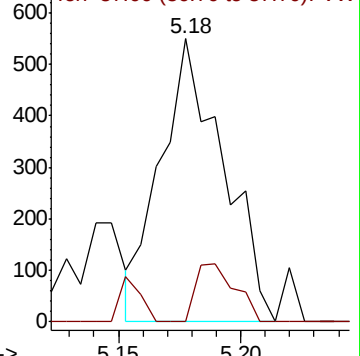
59 100

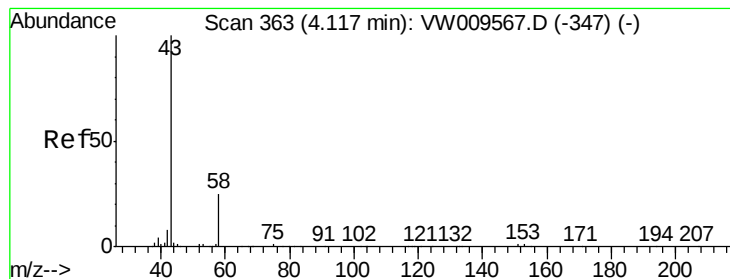
57 12.8 9.4 14.0



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#16

Acetone

Concen: 48.943 ug/l

RT: 4.12 min Scan# 363

Delta R.T. -0.00 min

Lab File: VW009621.D

Acq: 31 Mar 2019 19:57

Instrument :

MSVOA_W

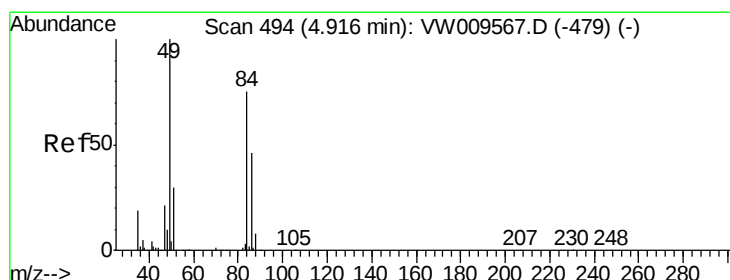
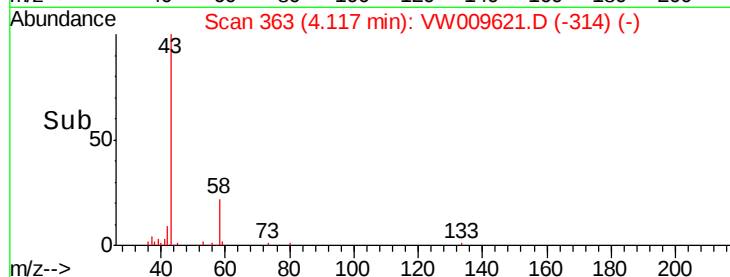
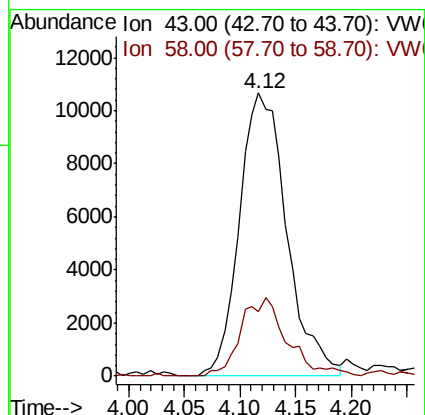
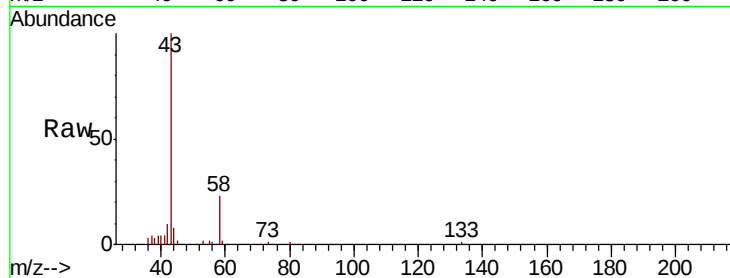
ClientSampleId :

Tot Ion: 43 Resp: 31617

Ion Ratio Lower Upper

43 100

58 22.6 23.6 35.4#



#20

Methylene Chloride

Concen: 1.927 ug/l

RT: 4.92 min Scan# 494

Delta R.T. 0.00 min

Lab File: VW009621.D

Acq: 31 Mar 2019 19:57

Tgt Ion: 84 Resp: 14334

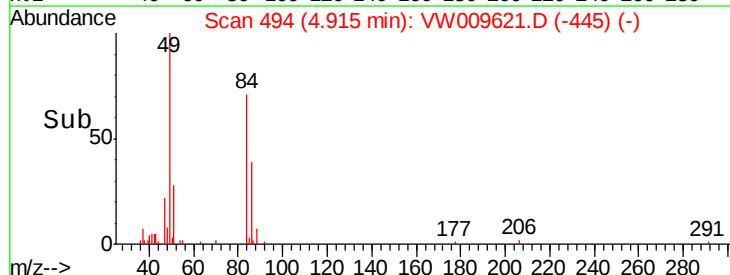
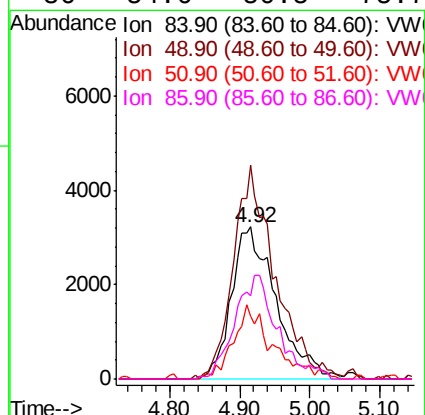
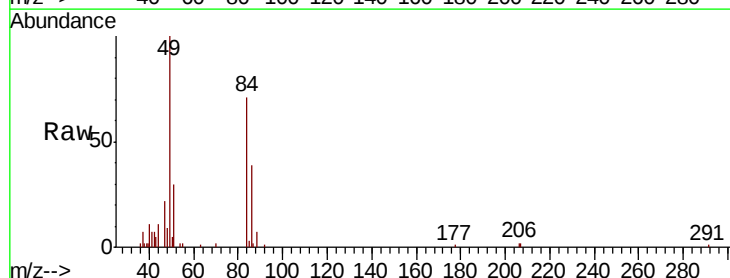
Ion Ratio Lower Upper

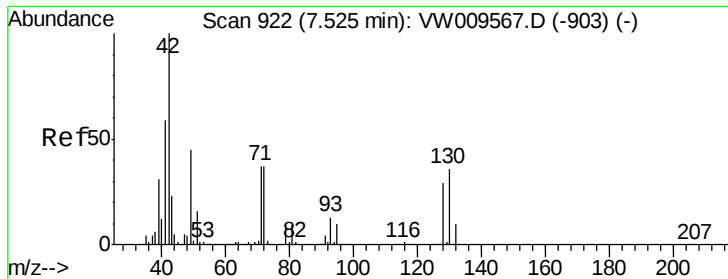
84 100

49 140.4 99.1 148.7

51 41.5 28.7 43.1

86 54.6 50.5 75.7

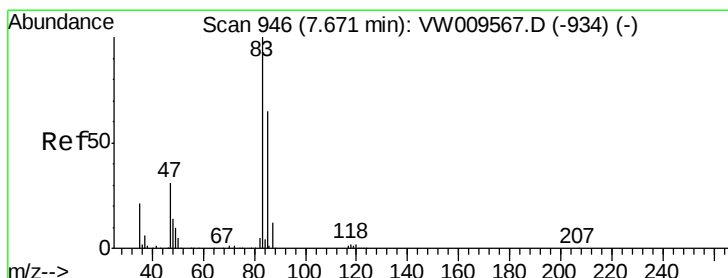
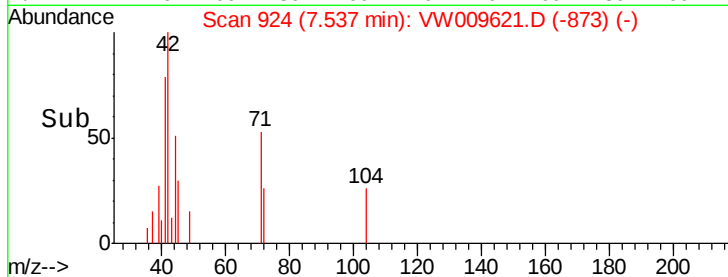
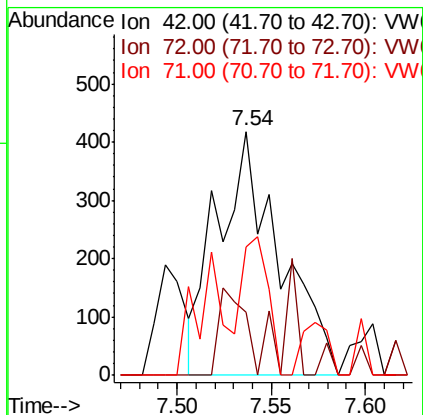
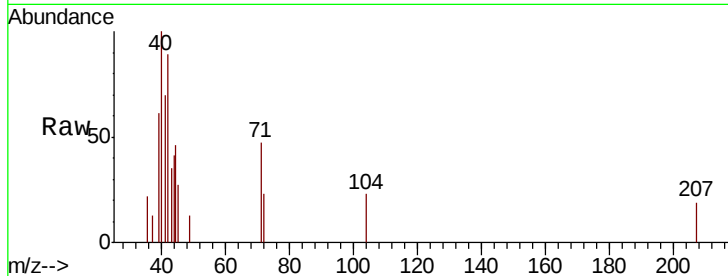




#29
Tetrahydrofuran
Concen: 1.734 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.01 min
Lab File: VW009621.D
Acq: 31 Mar 2019 19:57

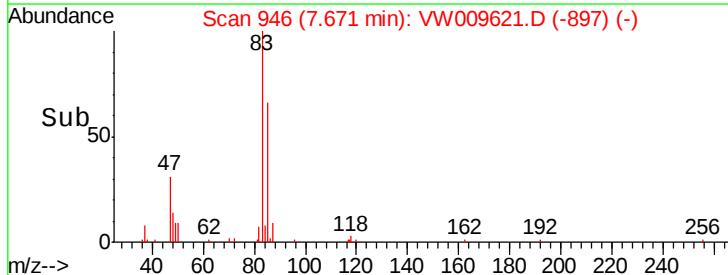
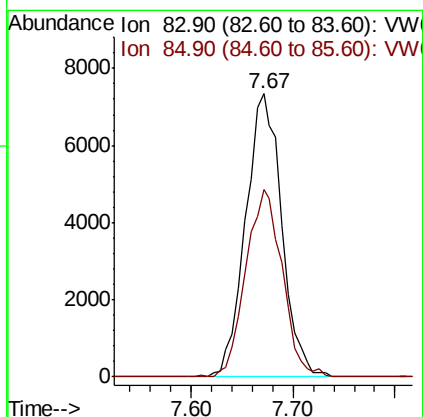
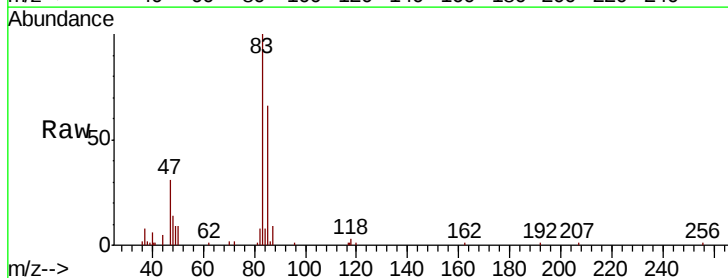
Instrument :
MSVOA_W
ClientSampled :

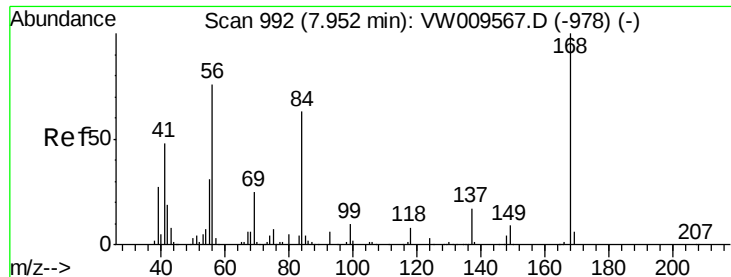
Tot Ion: 42 Resp: 961
Ion Ratio Lower Upper
42 100
72 0.0 32.4 48.6#
71 23.0 30.1 45.1#



#30
Chloroform
Concen: 3.460 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.00 min
Lab File: VW009621.D
Acq: 31 Mar 2019 19:57

Tgt Ion: 83 Resp: 18067
Ion Ratio Lower Upper
83 100
85 66.0 51.0 76.6

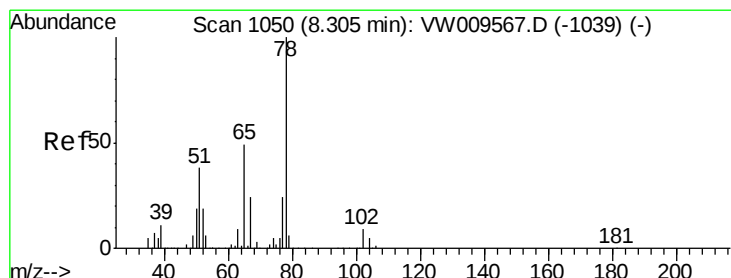
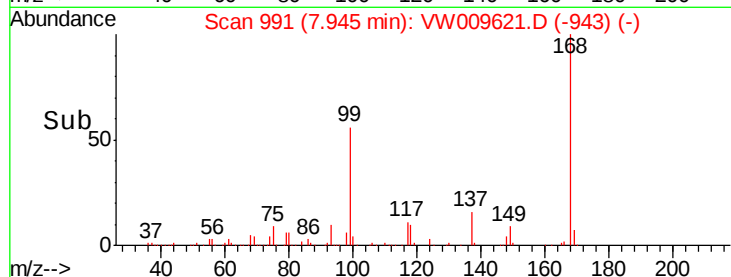
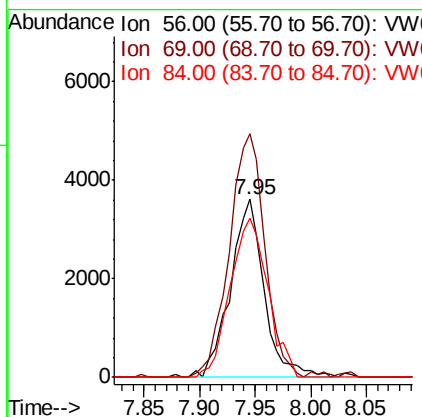
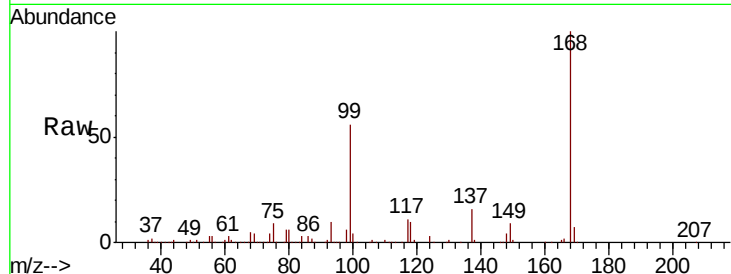




#31
Cyclohexane
Concen: 1.607 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW009621.D
Acq: 31 Mar 2019 19:57

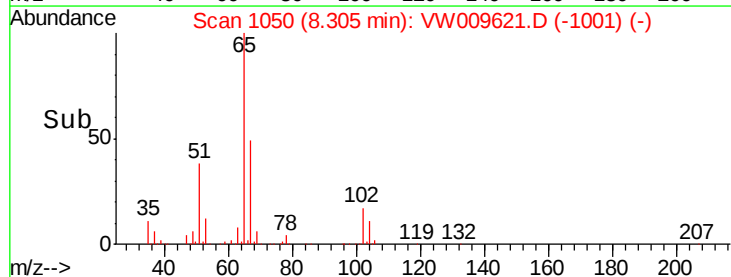
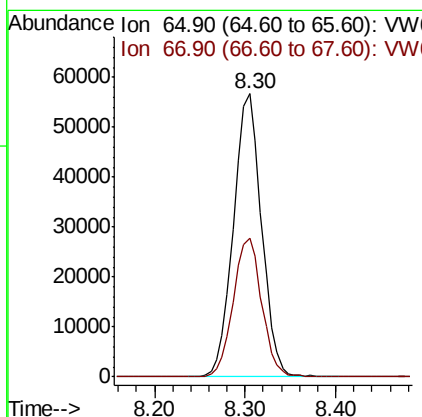
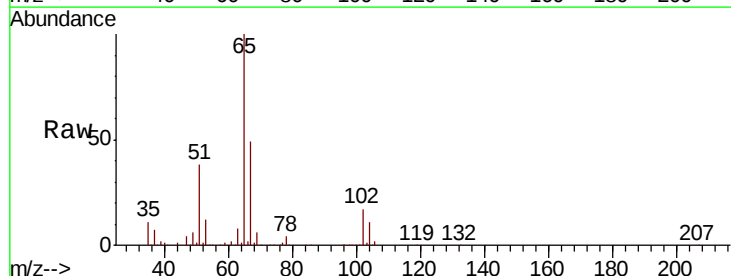
Instrument :
MSVOA_W
ClientSampleId :

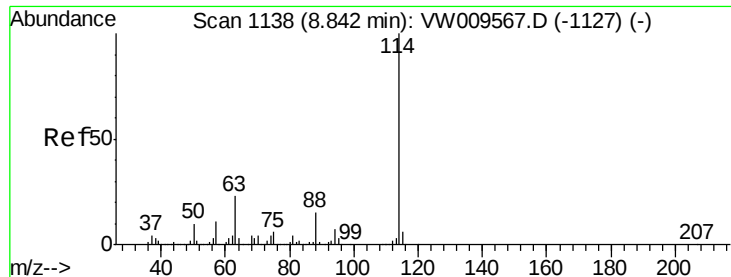
Tot Ion: 56 Resp: 7598
Ion Ratio Lower Upper
56 100
69 136.6 26.1 39.1#
84 89.5 68.6 103.0



#33
1,2-Dichloroethane-d4
Concen: 42.443 ug/l
RT: 8.30 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VW009621.D
Acq: 31 Mar 2019 19:57

Tgt Ion: 65 Resp: 121947
Ion Ratio Lower Upper
65 100
67 49.8 0.0 102.4

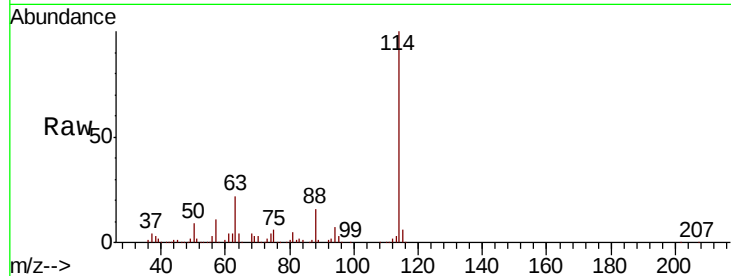




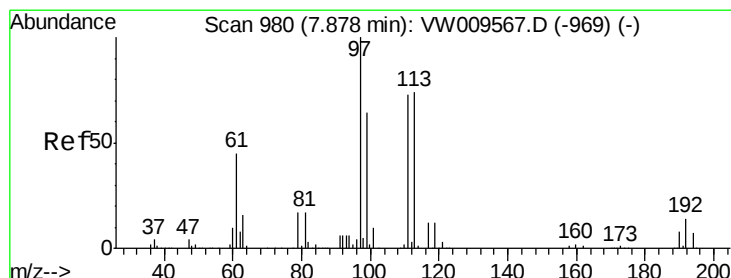
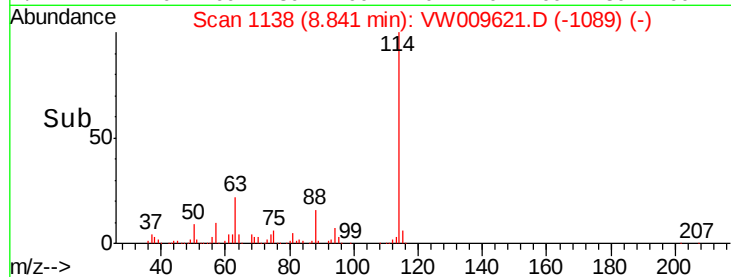
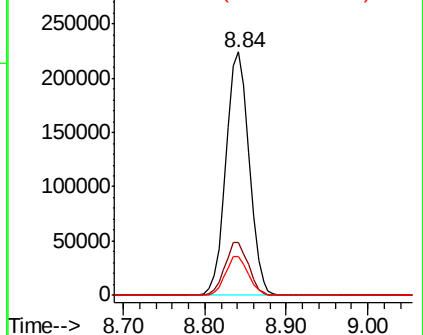
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.84 min Scan# 1138
Delta R.T. -0.00 min
Lab File: VW009621.D
Acq: 31 Mar 2019 19:57

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
114	100		
63	21.9	0.0	42.2
88	15.9	0.0	30.8

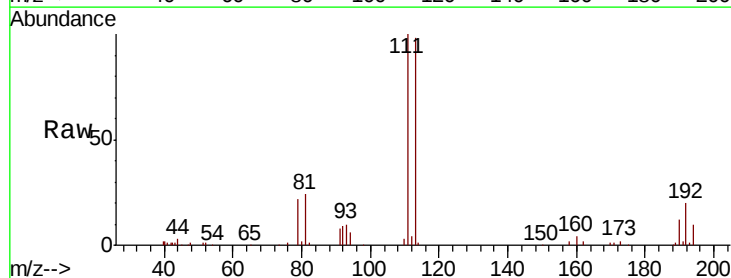


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VW
Ion 87.90 (87.60 to 88.60): VW

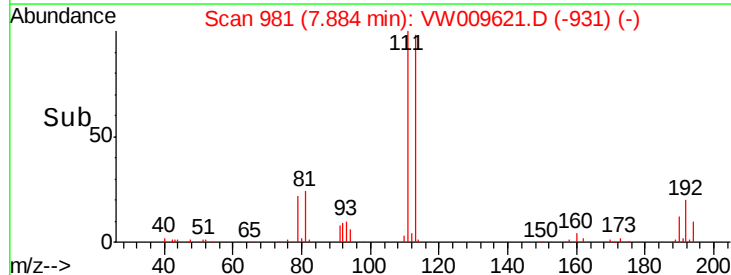
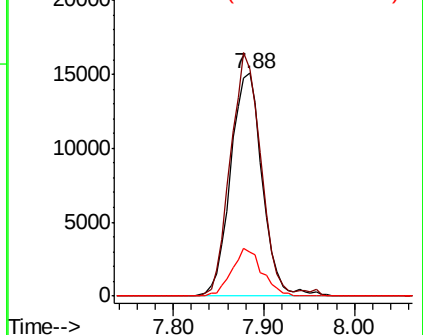


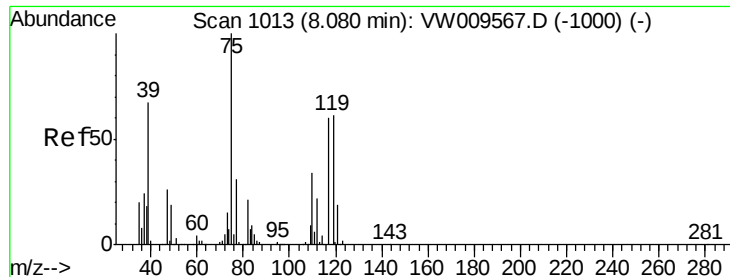
#35
Dibromofluoromethane
Concen: 13.291 ug/l
RT: 7.88 min Scan# 981
Delta R.T. 0.01 min
Lab File: VW009621.D
Acq: 31 Mar 2019 19:57

Tgt Ion	Ratio	Lower	Upper
113	100		
111	104.4	82.6	124.0
192	20.3	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

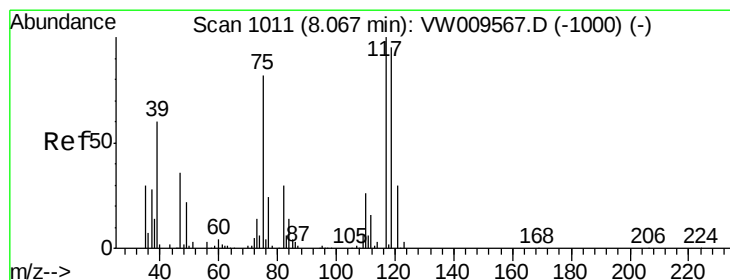
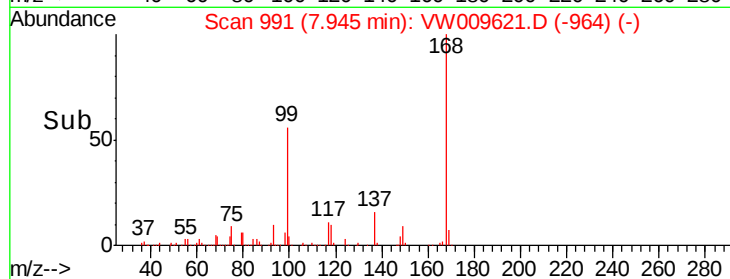
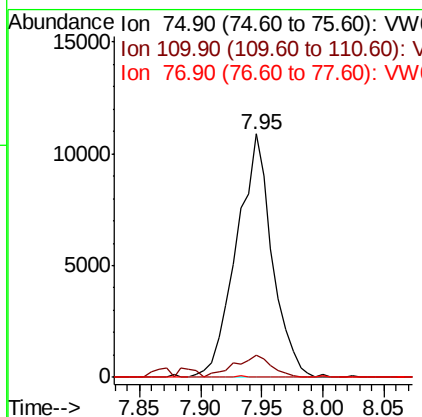
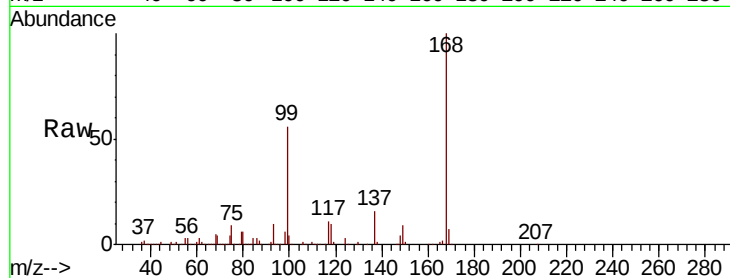




#36
 1,1-Dichloropropene
 Concen: 4.851 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW009621.D
 Acq: 31 Mar 2019 19:57

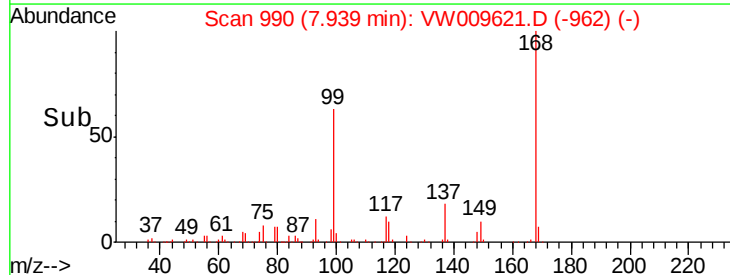
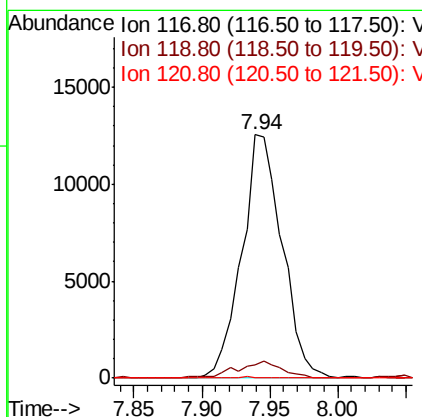
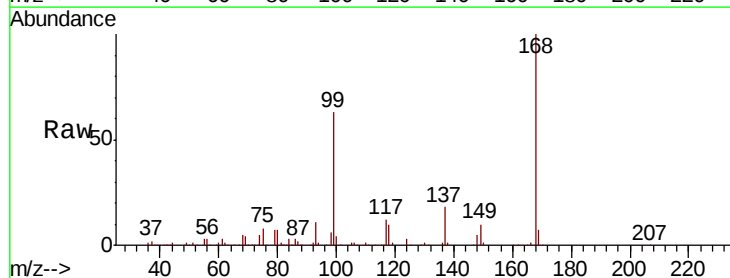
Instrument :
 MSVOA_W
 ClientSampled :

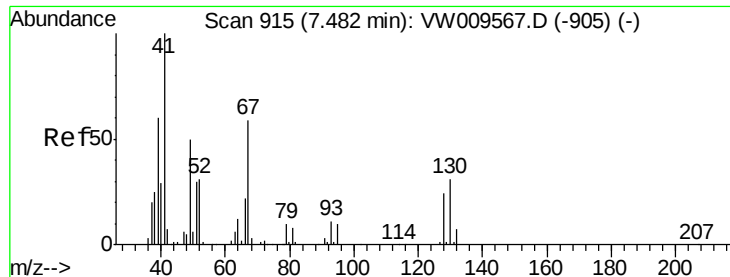
Tot Ion	75	Resp	21983
Ion Ratio	Lower	Upper	
75	100		
110	9.4	16.8	50.4#
77	0.0	24.6	36.8#



#38
 Carbon Tetrachloride
 Concen: 5.606 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.13 min
 Lab File: VW009621.D
 Acq: 31 Mar 2019 19:57

Tgt Ion	117	Resp	26030
Ion Ratio	Lower	Upper	
117	100		
119	5.3	75.4	113.0#
121	0.0	24.9	37.3#

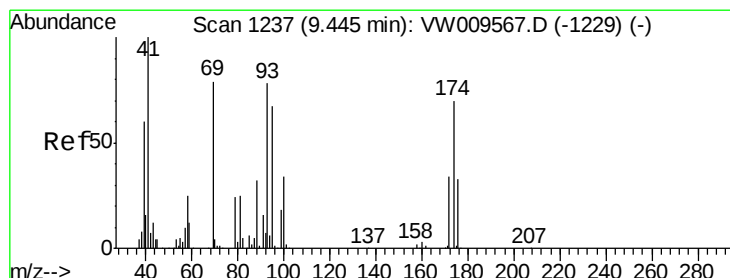
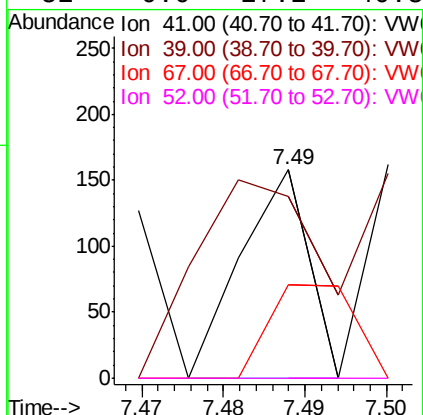
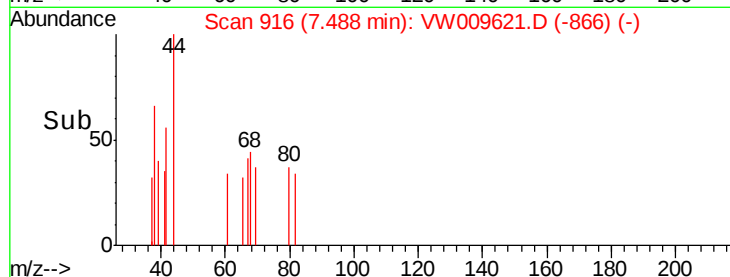
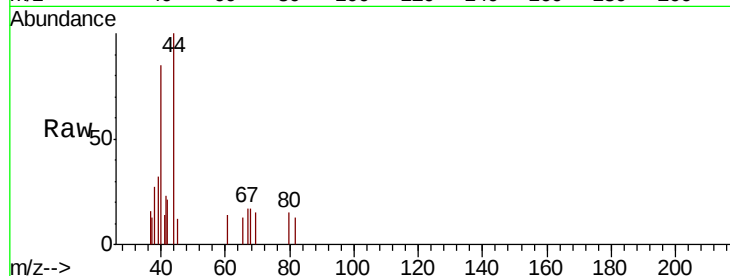




#41
Methacrylonitrile
Concen: 3.981 ug/l
RT: 7.49 min Scan# 916
Delta R.T. 0.01 min
Lab File: VW009621.D
Acq: 31 Mar 2019 19:57

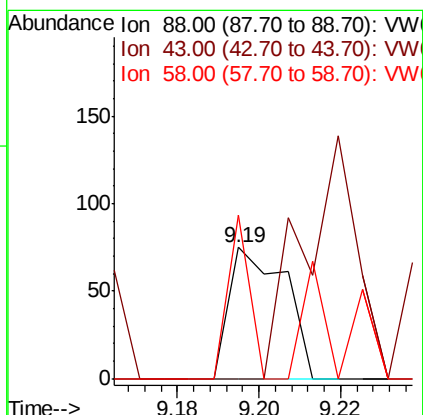
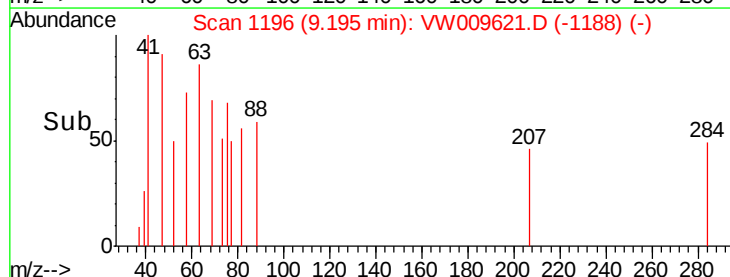
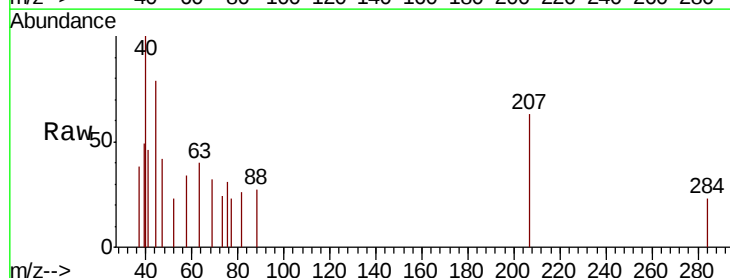
Instrument :
MSVOA_W
ClientSampled :

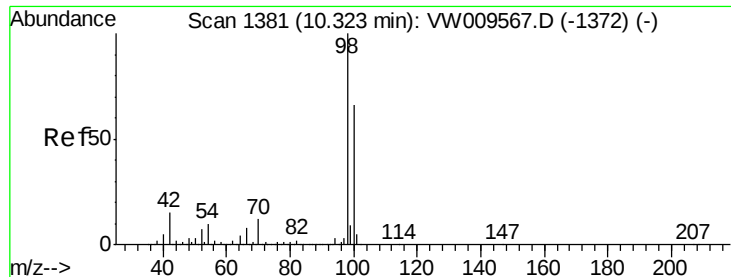
Tot Ion	Ratio	Lower	Upper
41	100		
39	174.7	52.5	78.7#
67	57.1	56.6	84.8
52	0.0	27.2	40.8#



#49
1,4-Dioxane
Concen: 2.841 ug/l
RT: 9.19 min Scan# 1196
Delta R.T. -0.25 min
Lab File: VW009621.D
Acq: 31 Mar 2019 19:57

Tgt Ion	Ratio	Lower	Upper
88	100		
43	0.0	29.7	44.5#
58	47.2	58.1	87.1#





#50

Toluene-d8

Concen: 33.634 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW009621.D

Acq: 31 Mar 2019 19:57

Instrument :

MSVOA_W

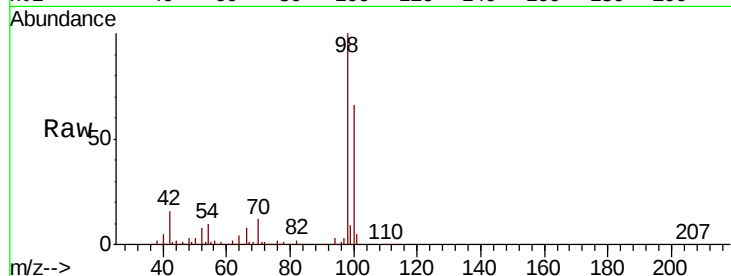
ClientSampleId :

Tot Ion: 98 Resp: 342058

Ion Ratio Lower Upper

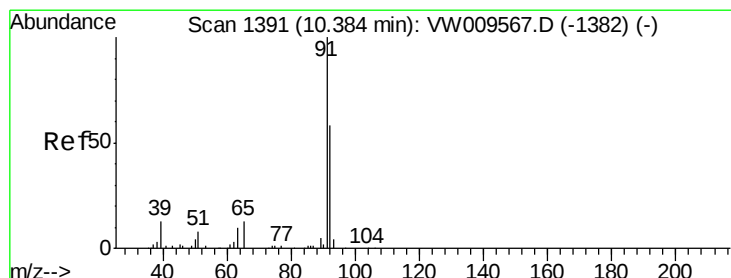
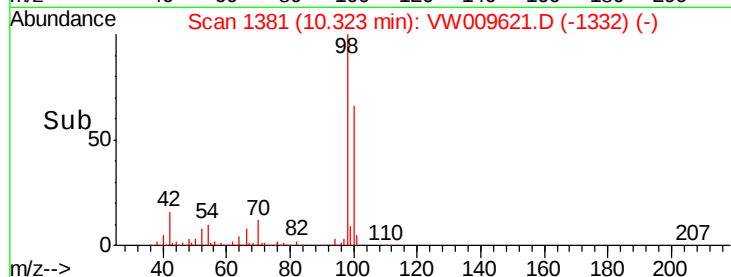
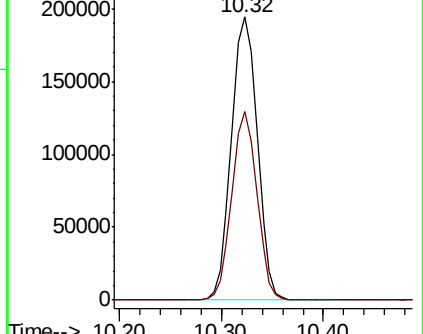
98 100

100 64.6 52.6 79.0



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW



#52

Toluene

Concen: 10.557 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW009621.D

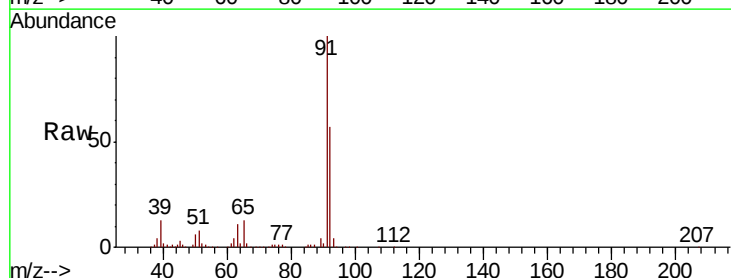
Acq: 31 Mar 2019 19:57

Tgt Ion: 92 Resp: 81146

Ion Ratio Lower Upper

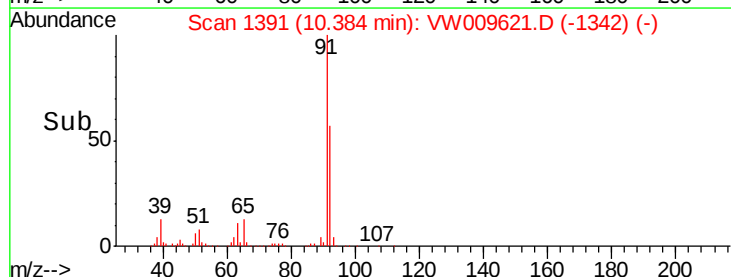
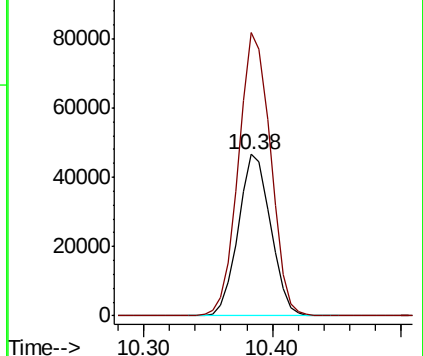
92 100

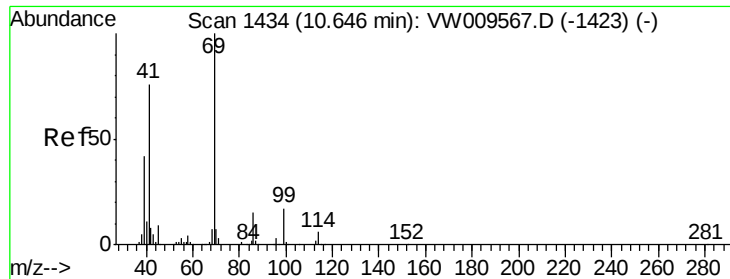
91 174.7 140.1 210.1



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW





#56

Ethyl methacrylate

Concen: 3.810 ug/l

RT: 10.63 min Scan# 1432

Delta R.T. -0.01 min

Lab File: VW009621.D

Acq: 31 Mar 2019 19:57

Instrument :

MSVOA_W

ClientSampled :

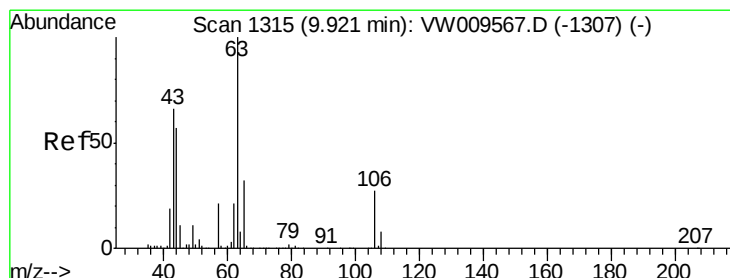
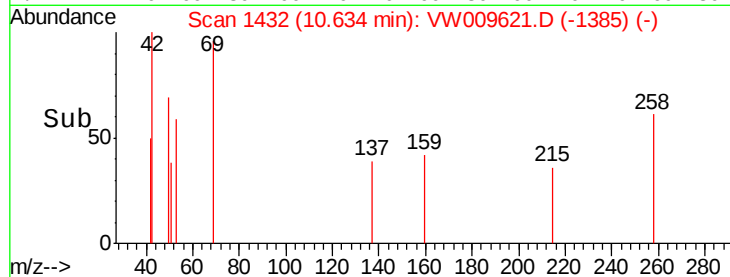
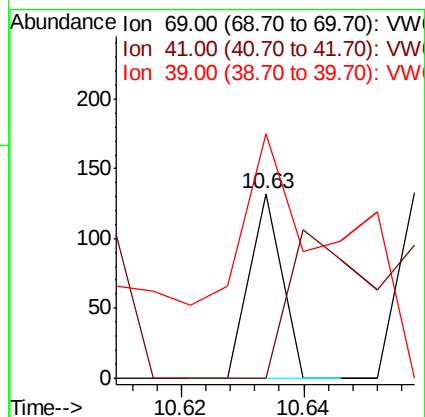
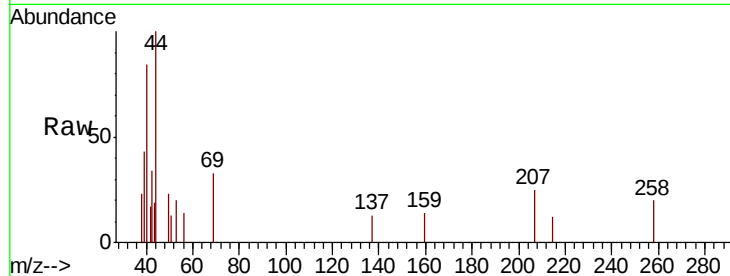
Tot Ion: 69 Resp: 48

Ion Ratio Lower Upper

69 100

41 193.8 59.3 88.9#

39 0.0 36.2 54.2#



#58

2-Chloroethyl Vinyl ether

Concen: 17.043 ug/l

RT: 9.74 min Scan# 1286

Delta R.T. -0.18 min

Lab File: VW009621.D

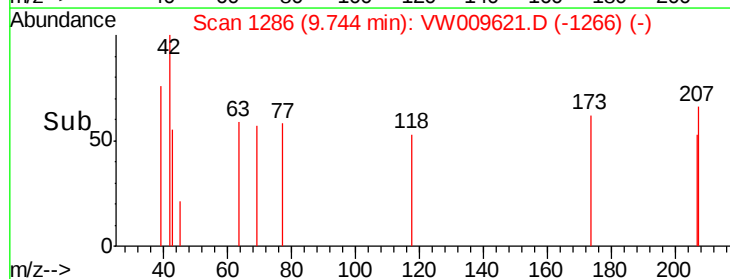
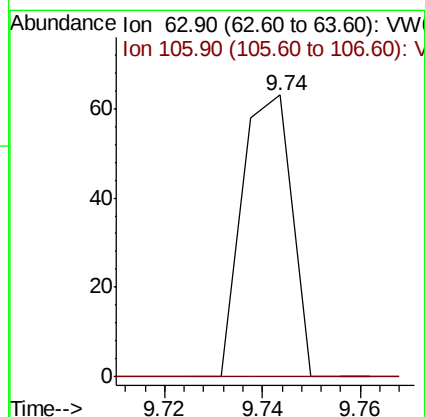
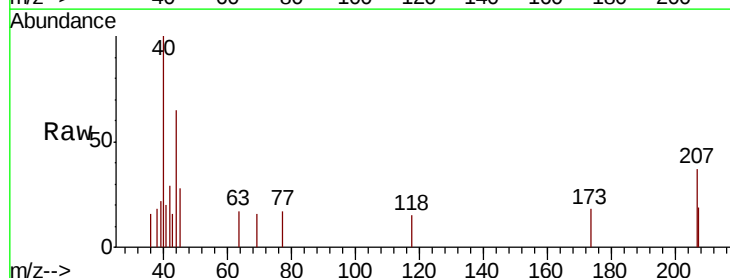
Acq: 31 Mar 2019 19:57

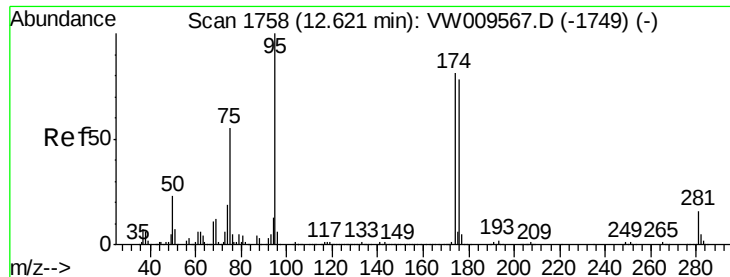
Tgt Ion: 63 Resp: 44

Ion Ratio Lower Upper

63 100

106 0.0 22.9 34.3#





#62

4-Bromofluorobenzene

Concen: 29.432 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW009621.D

Acq: 31 Mar 2019 19:57

Instrument :

MSVOA_W

ClientSampleId :

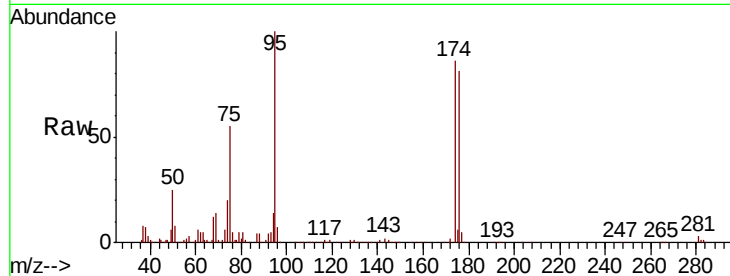
Tot Ion: 95 Resp: 111665

Ion Ratio Lower Upper

95 100

174 82.0 0.0 168.4

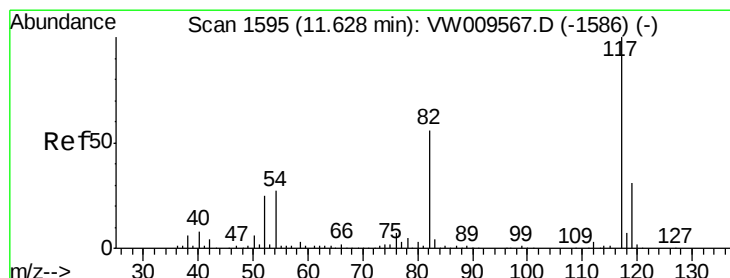
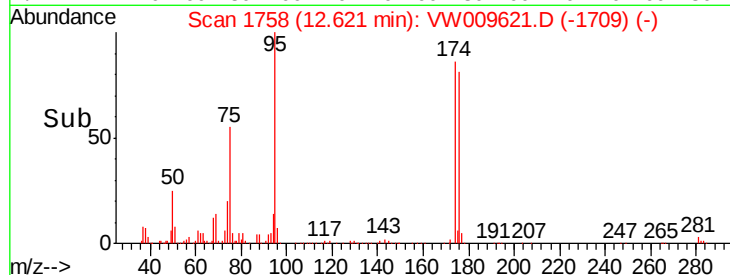
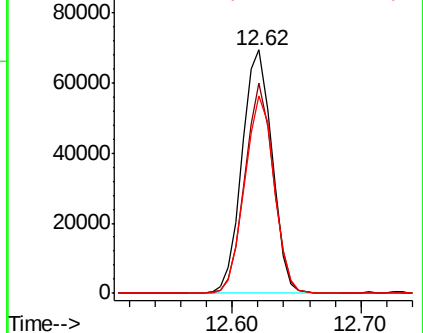
176 79.6 0.0 161.6



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): VW

Ion 175.80 (175.50 to 176.50): VW



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1596

Delta R.T. 0.01 min

Lab File: VW009621.D

Acq: 31 Mar 2019 19:57

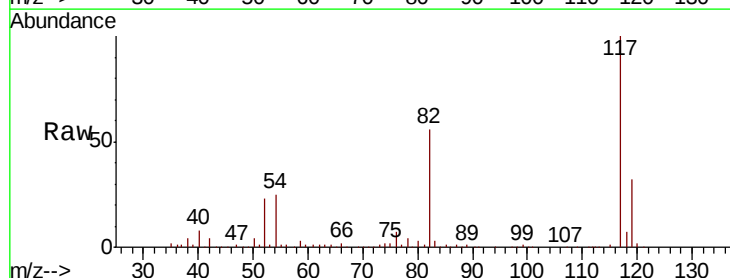
Tgt Ion: 117 Resp: 397373

Ion Ratio Lower Upper

117 100

82 56.1 43.6 65.4

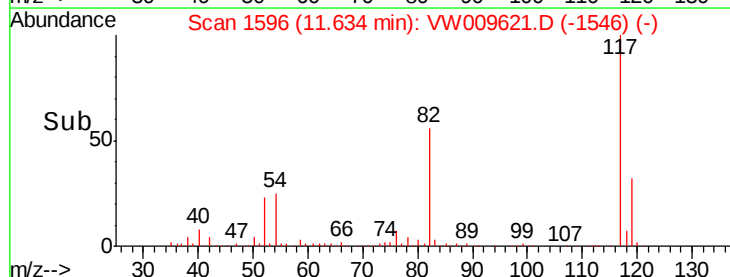
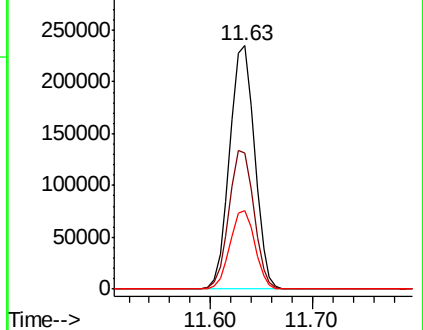
119 32.3 26.0 39.0

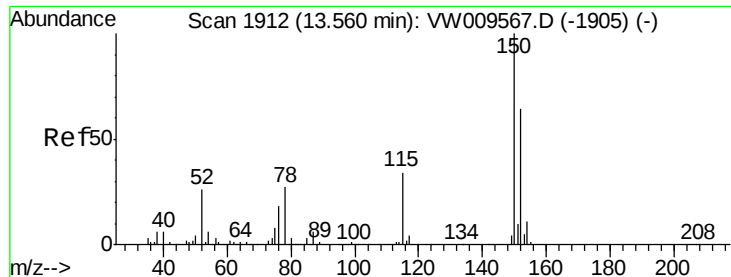


Abundance Ion 116.90 (116.60 to 117.60): VW

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW009621.D

Acq: 31 Mar 2019 19:57

Instrument :

MSVOA_W

ClientSampleId :

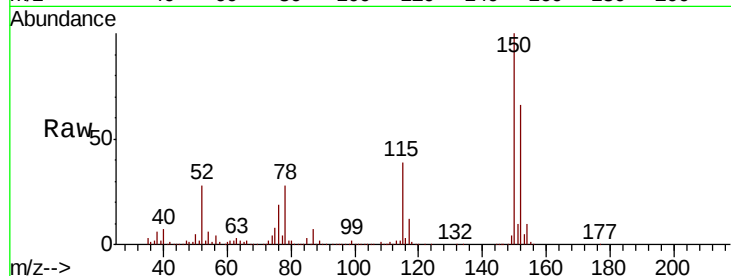
Tot Ion:152 Resp: 190910

Ion Ratio Lower Upper

152 100

115 59.8 29.6 88.8

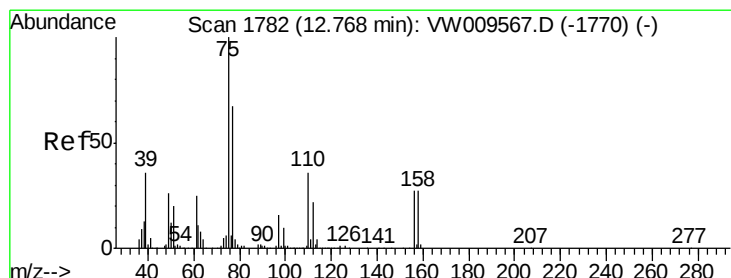
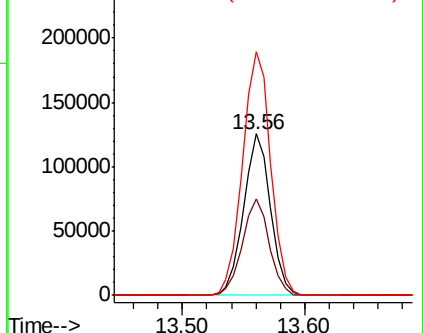
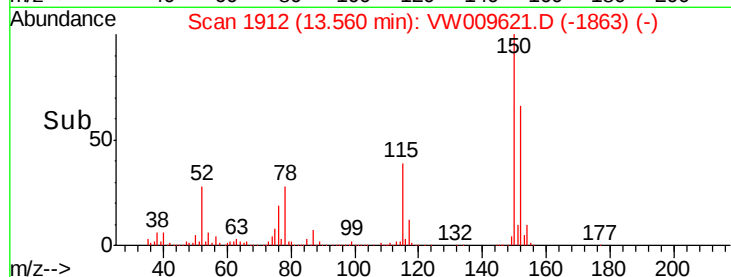
150 157.9 0.0 349.2



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: 35.203 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW009621.D

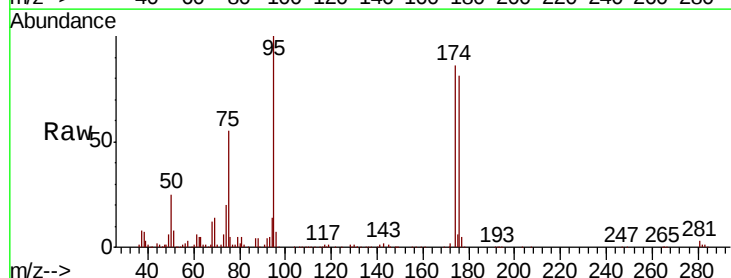
Acq: 31 Mar 2019 19:57

Tgt Ion: 75 Resp: 63199

Ion Ratio Lower Upper

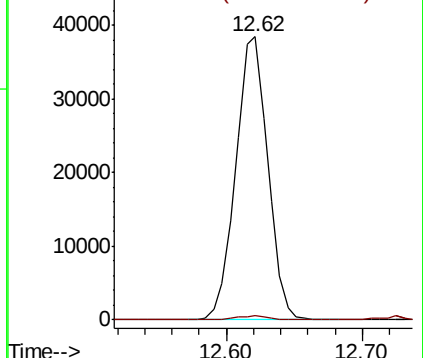
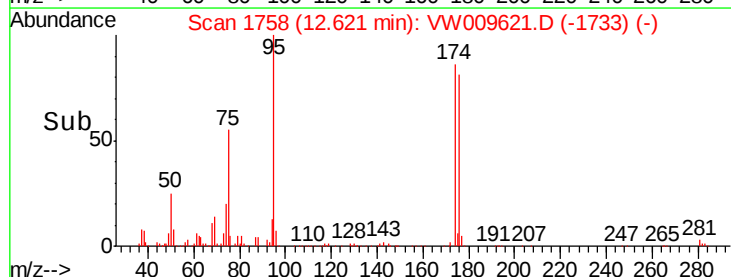
75 100

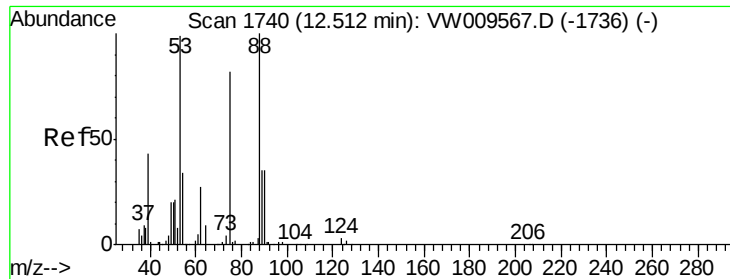
77 1.6 0.0 0.0#



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: 81.863 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW009621.D

Acq: 31 Mar 2019 19:57

Instrument :

MSVOA_W

ClientSampled :

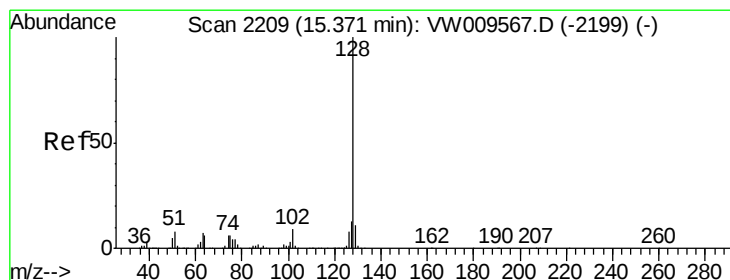
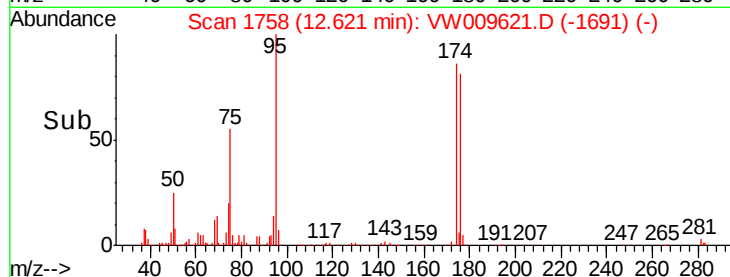
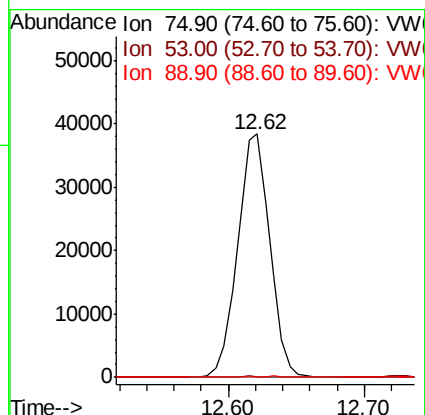
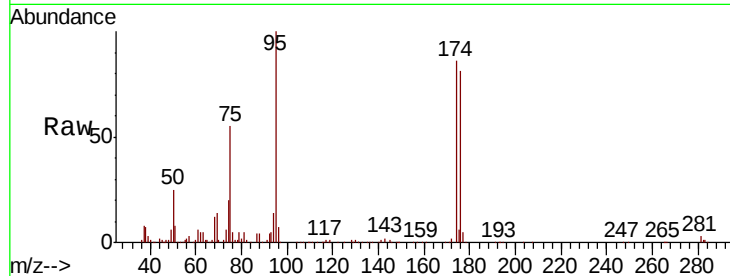
Tot Ion: 75 Resp: 63199

Ion Ratio Lower Upper

75 100

53 0.3 86.7 130.1#

89 0.1 36.4 54.6#



#95

Naphthalene

Concen: 2.805 ug/l

RT: 15.36 min Scan# 2208

Delta R.T. -0.01 min

Lab File: VW009621.D

Acq: 31 Mar 2019 19:57

Tgt Ion: 128 Resp: 650

Ion Ratio Lower Upper

128 100

127 0.0 10.8 16.2#

129 3.7 8.7 13.1#

