

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW033119\
 Data File : VW009616.D
 Acq On : 31 Mar 2019 17:42
 Operator : SY/VA
 Sample : K2138-11
 Misc : 5.06G/5.0ML/MSVOA W/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Apr 01 04:56:23 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	256496	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	427997	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	390468	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	176787	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	78089	26.62	ug/l	0.00
Spiked Amount						
			Recovery	=	53.24%	
35) Dibromofluoromethane	7.88	113	62560	23.27	ug/l	0.00
Spiked Amount						
			Recovery	=	46.54%	
50) Toluene-d8	10.32	98	212902	21.43	ug/l	0.00
Spiked Amount						
			Recovery	=	42.86%	
62) 4-Bromofluorobenzene	12.62	95	68244	18.41	ug/l	0.00
Spiked Amount						
			Recovery	=	36.82%	

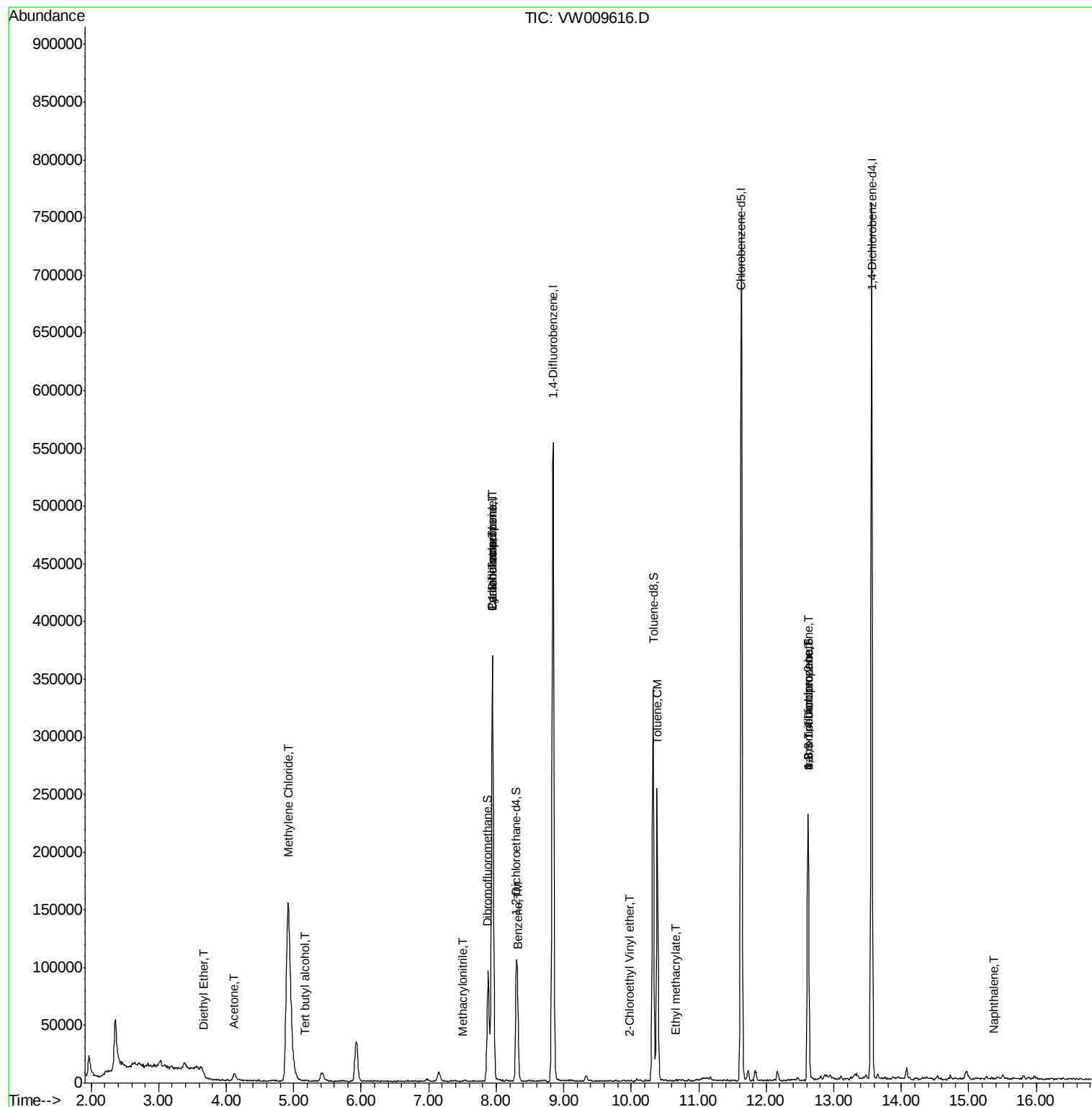
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.00	85	23	Below Cal	#	41
8) Diethyl Ether	3.68	74	1735	1.310	ug/l	73
11) Tert butyl alcohol	5.17	59	305	1.793	ug/l #	70
16) Acetone	4.12	43	12576	19.070	ug/l #	81
20) Methylene Chloride	4.92	84	157279	61.699	ug/l	92
31) Cyclohexane	7.95	56	8950	1.855	ug/l #	43
36) 1,1-Dichloropropene	7.95	75	22833	5.158	ug/l #	52
38) Carbon Tetrachloride	7.95	117	26625	5.870	ug/l #	18
40) Benzene	8.32	78	14396	1.201	ug/l	94
41) Methacrylonitrile	7.49	41	268	4.102	ug/l #	34
52) Toluene	10.38	92	99256	13.218	ug/l	100
56) Ethyl methacrylate	10.65	69	128	3.834	ug/l #	1
58) 2-Chloroethyl Vinyl ether	9.98	63	30	17.035	ug/l #	28
76) 1,2,3-Trichloropropane	12.62	75	38686	23.270	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	38686	54.114	ug/l #	7
95) Naphthalene	15.36	128	699	2.819	ug/l #	72

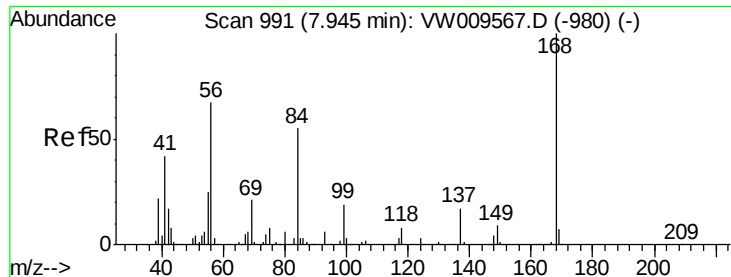
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW033119\
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QLast Update : Fri Mar 29 13:24:53 2019
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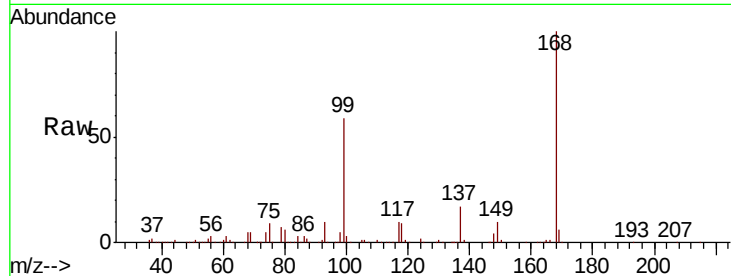


#1

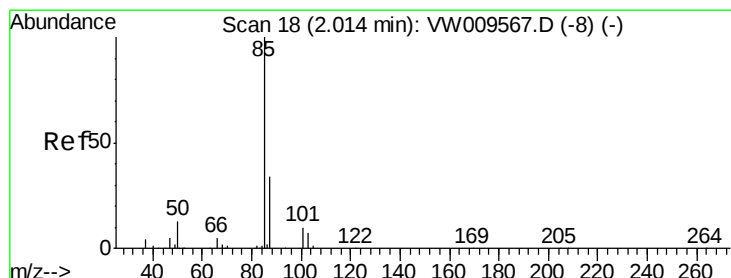
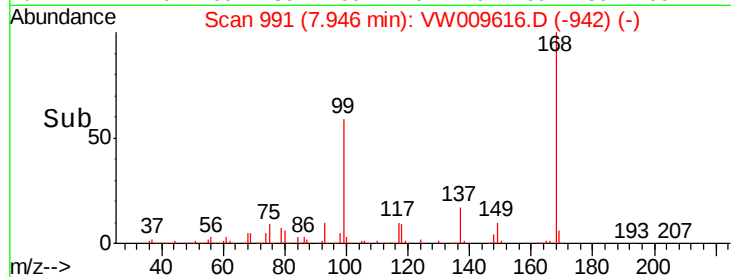
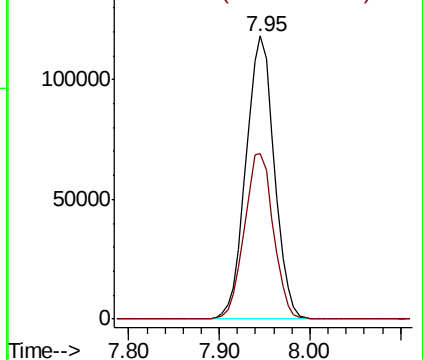
Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. 0.00 min
 Lab File: VW009616.D
 Acq: 31 Mar 2019 17:42

Instrument :
 MSVOA_W
 ClientSampled :

Tot Ion:168 Resp: 256496
 Ion Ratio Lower Upper
 168 100
 99 58.6 45.4 68.0



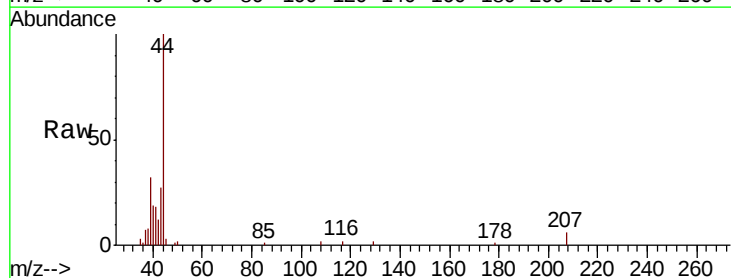
Abundance Ion 167.90 (167.60 to 168.60): V
 Ion 98.90 (98.60 to 99.60): VW



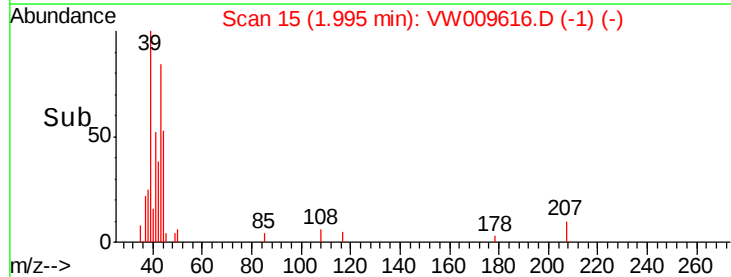
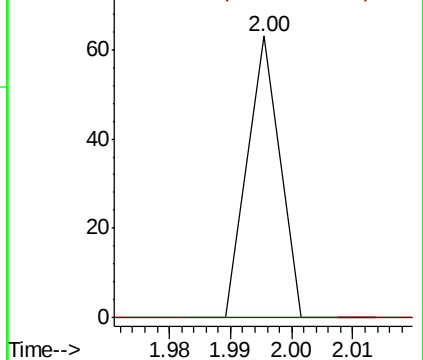
#2

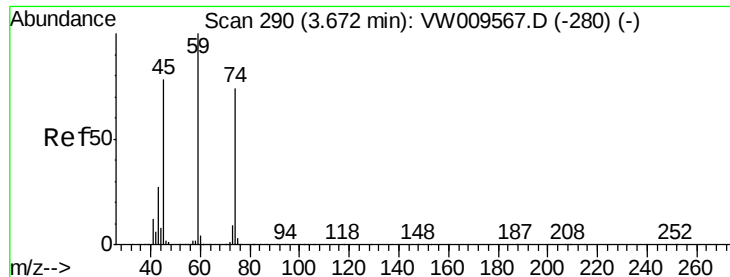
Dichlorodifluoromethane
 Concen: Below Cal
 RT: 2.00 min Scan# 15
 Delta R.T. -0.02 min
 Lab File: VW009616.D
 Acq: 31 Mar 2019 17:42

Tgt Ion: 85 Resp: 23
 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





#8

Diethyl Ether

Concen: 1.310 ug/l

RT: 3.68 min Scan# 291

Delta R.T. 0.01 min

Lab File: VW009616.D

Acq: 31 Mar 2019 17:42

Instrument :

MSVOA_W

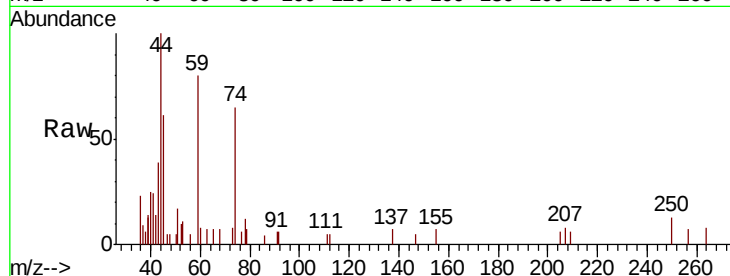
ClientSampled :

Tot Ion: 74 Resp: 1735

Ion Ratio Lower Upper

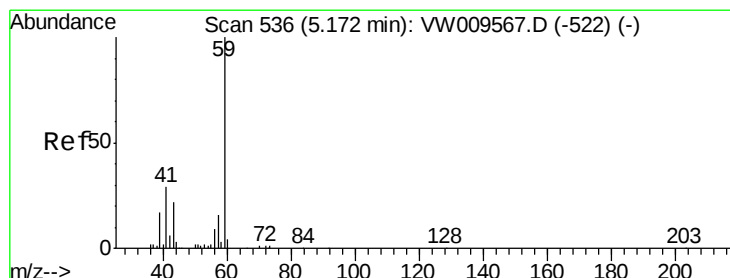
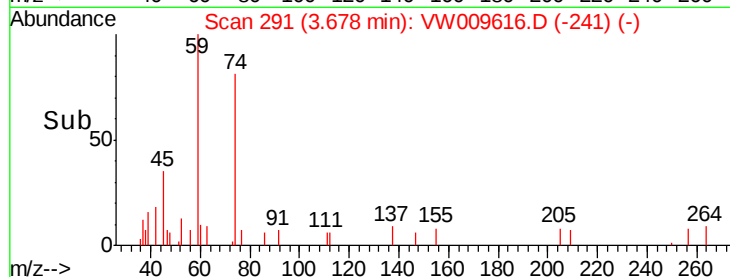
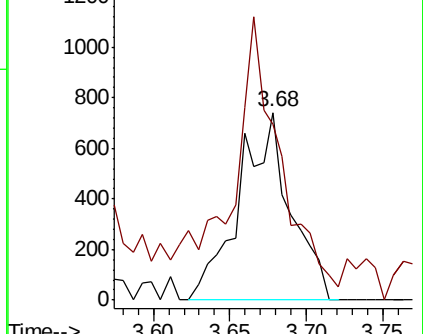
74 100

45 128.6 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: 1.793 ug/l

RT: 5.17 min Scan# 535

Delta R.T. -0.01 min

Lab File: VW009616.D

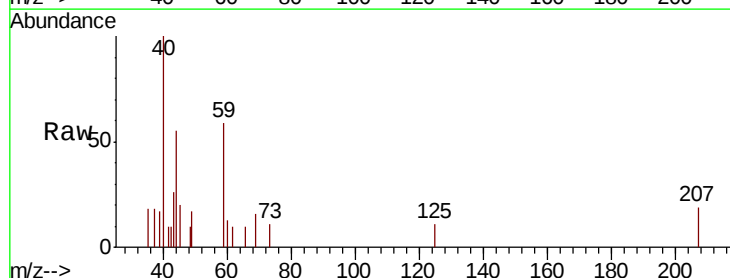
Acq: 31 Mar 2019 17:42

Tgt Ion: 59 Resp: 305

Ion Ratio Lower Upper

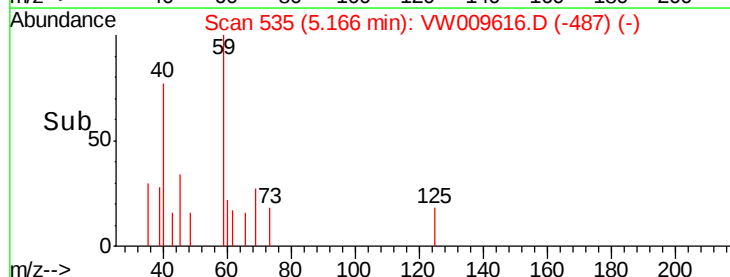
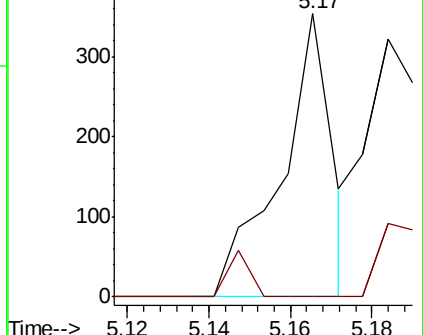
59 100

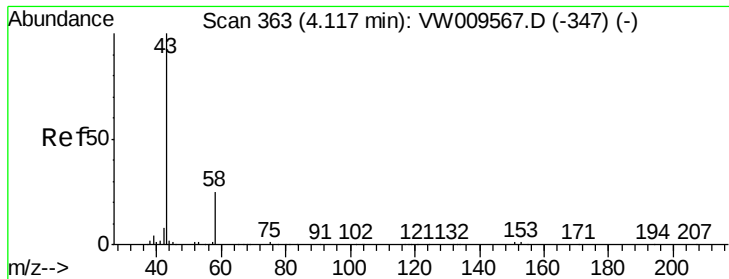
57 0.0 9.4 14.0#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

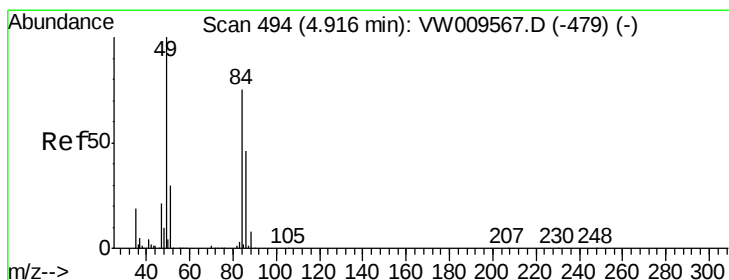
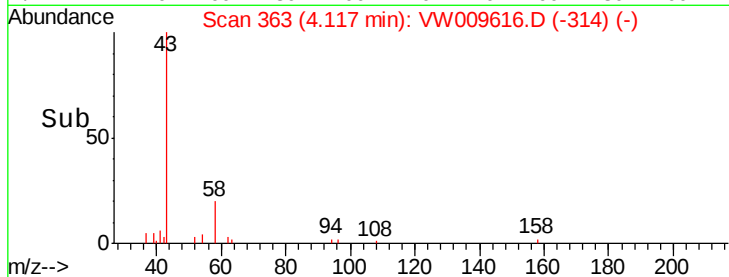
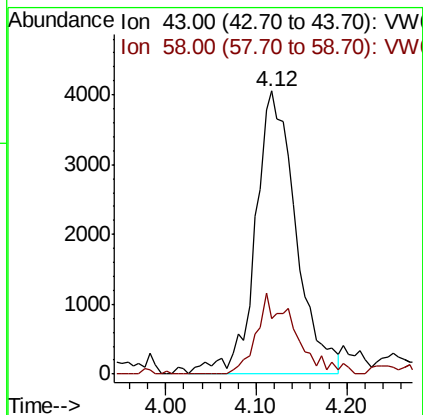
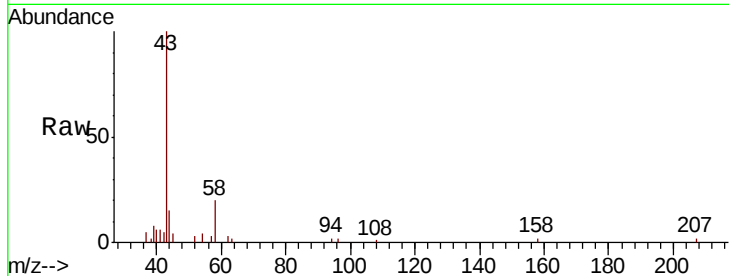




#16
Acetone
Concen: 19.070 ug/l
RT: 4.12 min Scan# 363
Delta R.T. 0.00 min
Lab File: VW009616.D
Acq: 31 Mar 2019 17:42

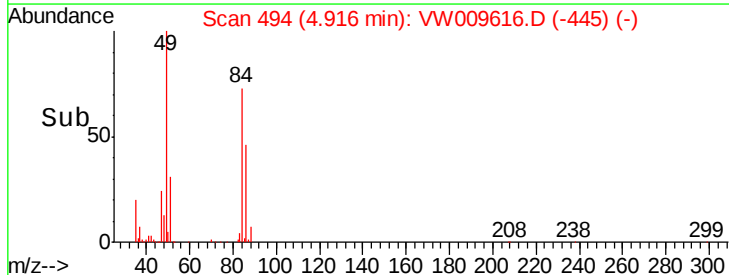
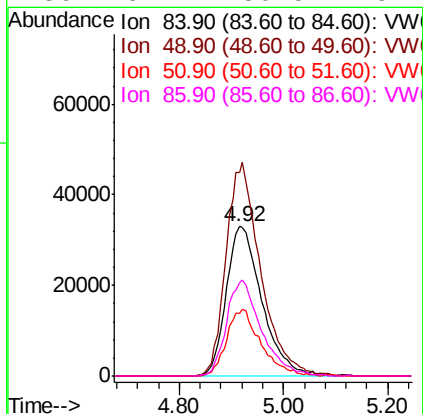
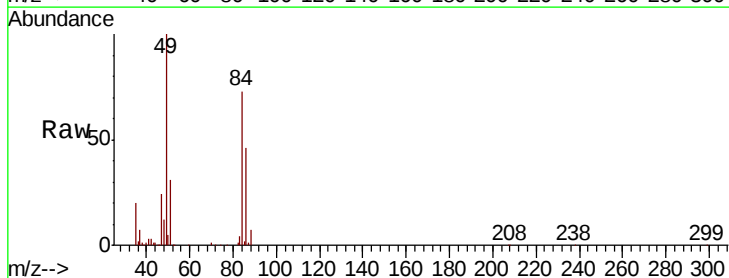
Instrument :
MSVOA_W
ClientSampled :

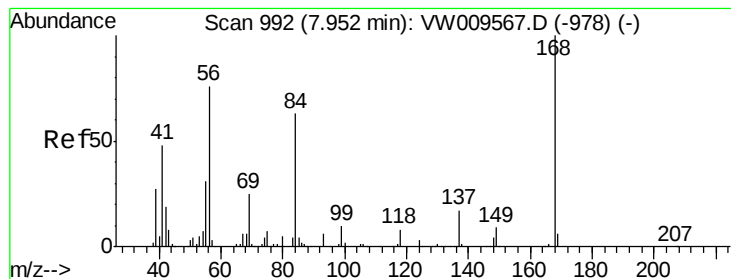
Tot Ion: 43 Resp: 12576
Ion Ratio Lower Upper
43 100
58 19.5 23.6 35.4#



#20
Methylene Chloride
Concen: 61.699 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW009616.D
Acq: 31 Mar 2019 17:42

Tgt Ion: 84 Resp: 157279
Ion Ratio Lower Upper
84 100
49 136.6 99.1 148.7
51 42.0 28.7 43.1
86 62.7 50.5 75.7





#31

Cyclohexane

Concen: 1.855 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW009616.D

Acq: 31 Mar 2019 17:42

Instrument :

MSVOA_W

ClientSampled :

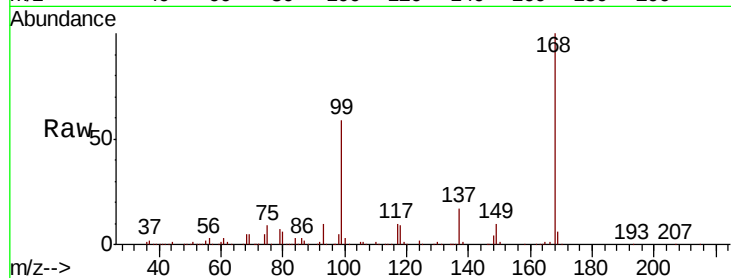
Tot Ion: 56 Resp: 8950

Ion Ratio Lower Upper

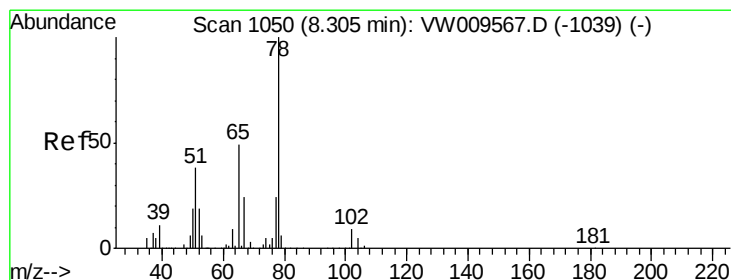
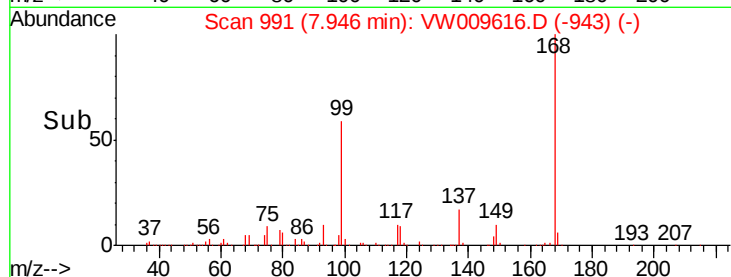
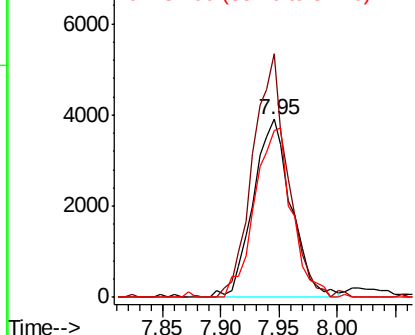
56 100

69 136.6 26.1 39.1#

84 93.9 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: 26.623 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW009616.D

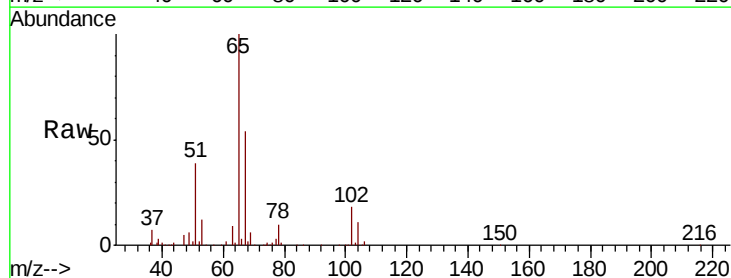
Acq: 31 Mar 2019 17:42

Tgt Ion: 65 Resp: 78089

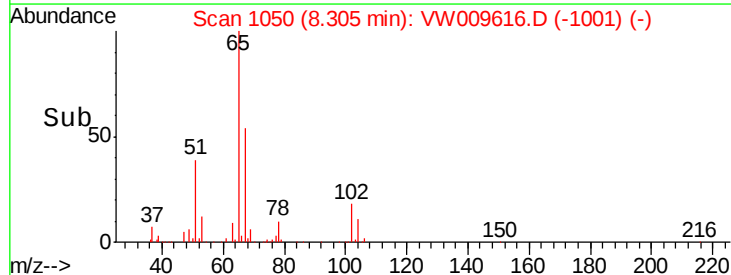
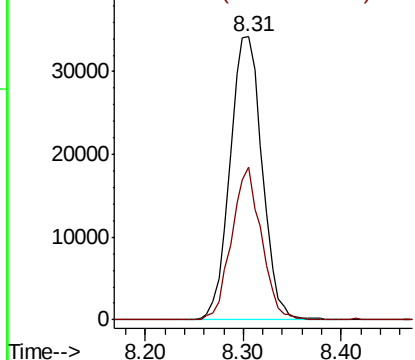
Ion Ratio Lower Upper

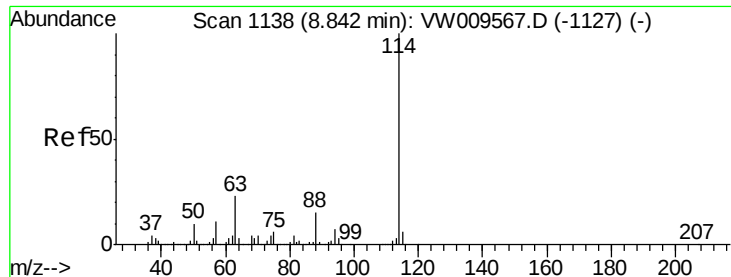
65 100

67 49.9 0.0 102.4



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

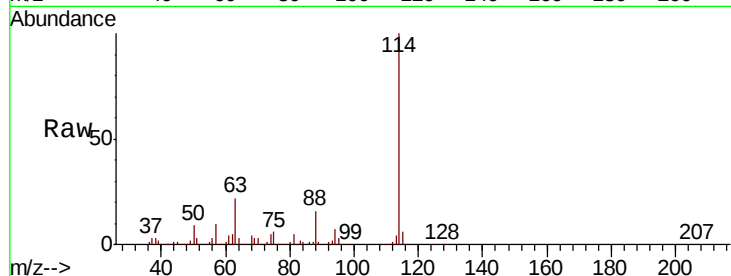




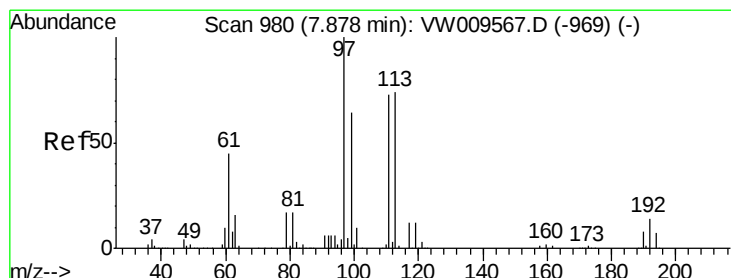
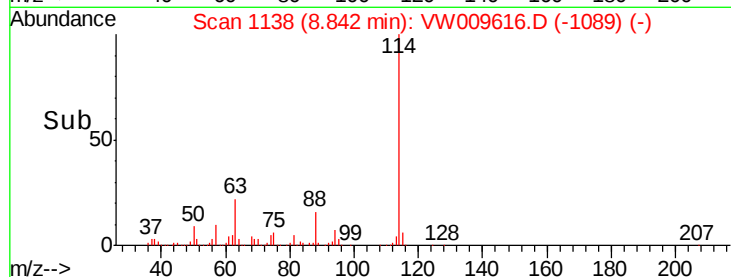
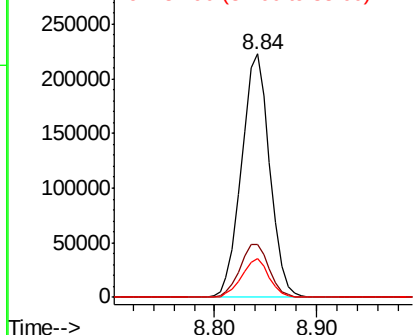
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.84 min Scan# 1138
Delta R.T. 0.00 min
Lab File: VW009616.D
Acq: 31 Mar 2019 17:42

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
114	100		
63	21.9	0.0	42.2
88	16.1	0.0	30.8

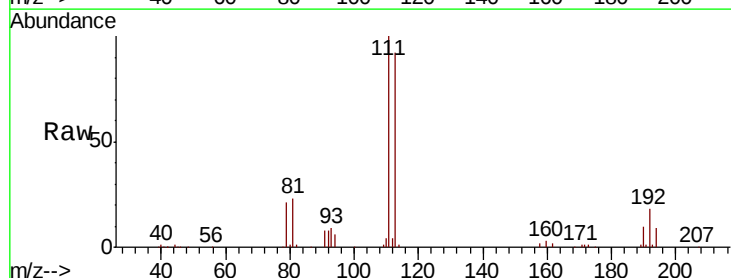


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VW
Ion 87.90 (87.60 to 88.60): VW

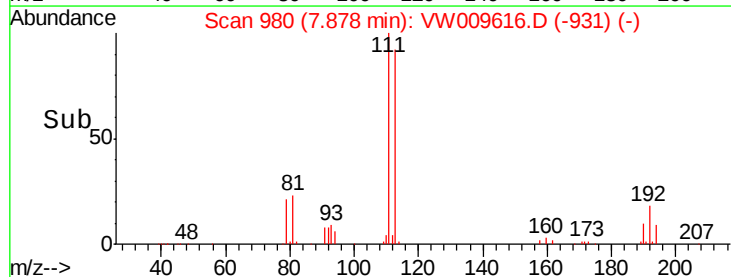
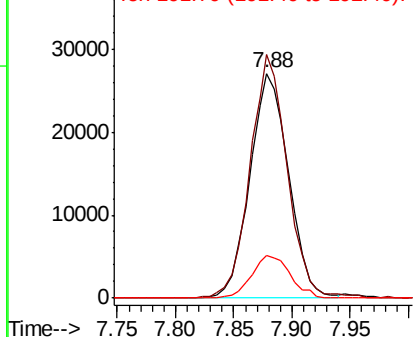


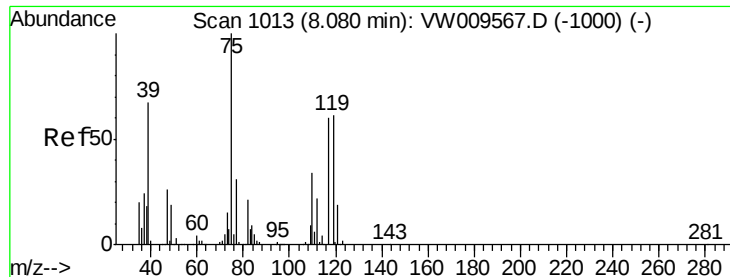
#35
Dibromofluoromethane
Concen: 23.272 ug/l
RT: 7.88 min Scan# 980
Delta R.T. 0.00 min
Lab File: VW009616.D
Acq: 31 Mar 2019 17:42

Tgt Ion	Ratio	Lower	Upper
113	100		
111	104.3	82.6	124.0
192	19.2	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: 5.158 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.13 min

Lab File: VW009616.D

Acq: 31 Mar 2019 17:42

Instrument :

MSVOA_W

ClientSampled :

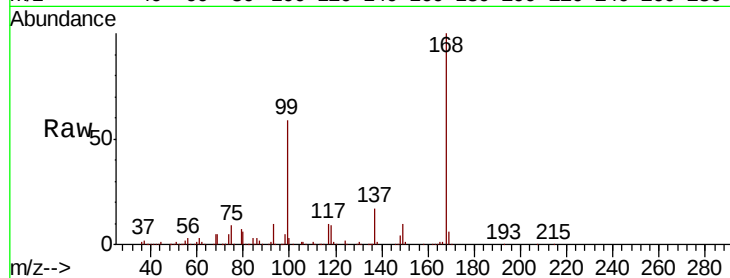
Tot Ion: 75 Resp: 22833

Ion Ratio Lower Upper

75 100

110 9.4 16.8 50.4#

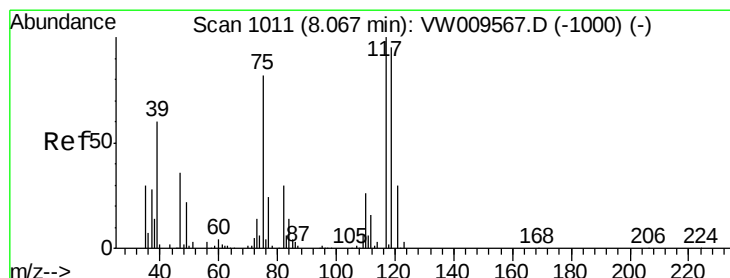
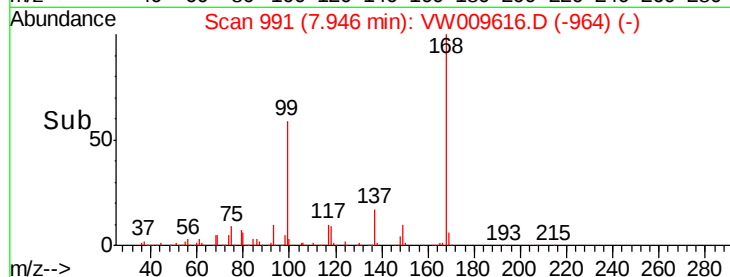
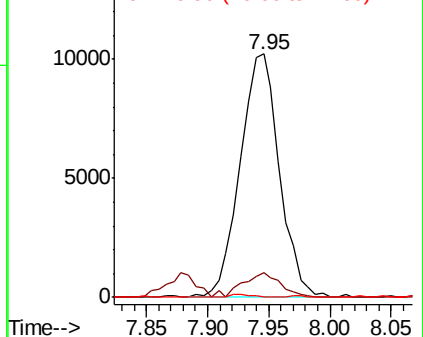
77 0.6 24.6 36.8#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW



#38

Carbon Tetrachloride

Concen: 5.870 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW009616.D

Acq: 31 Mar 2019 17:42

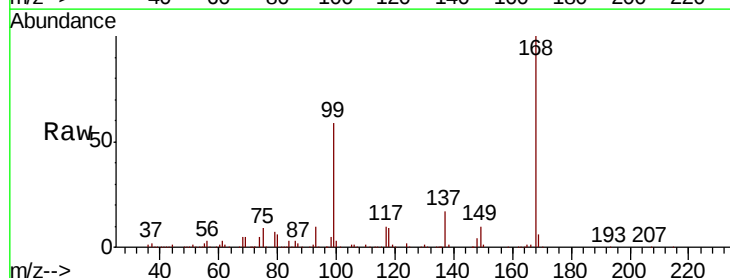
Tgt Ion: 117 Resp: 26625

Ion Ratio Lower Upper

117 100

119 7.0 75.4 113.0#

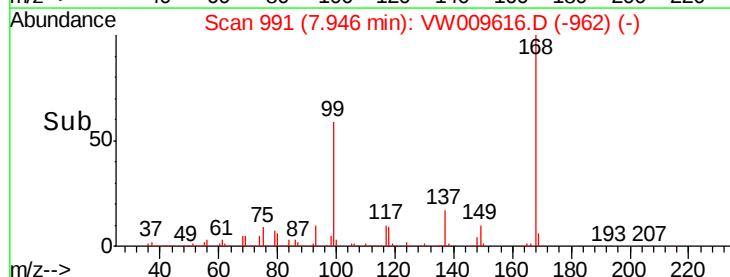
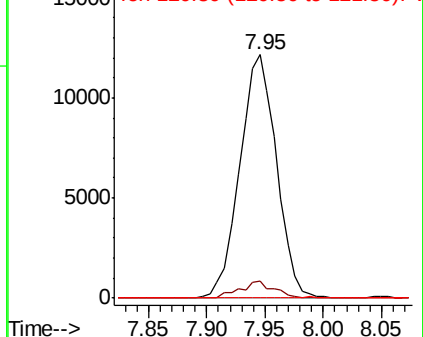
121 0.0 24.9 37.3#

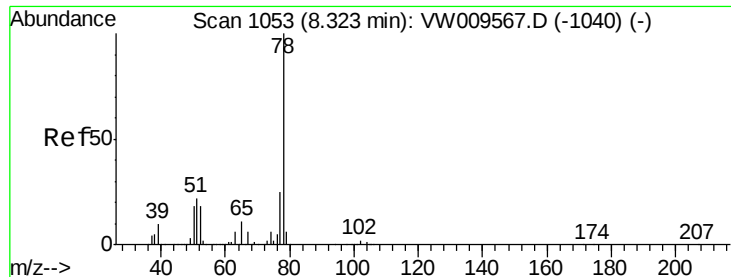


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#40

Benzene

Concen: 1.201 ug/l

RT: 8.32 min Scan# 1053

Delta R.T. 0.00 min

Lab File: VW009616.D

Acq: 31 Mar 2019 17:42

Instrument :

MSVOA_W

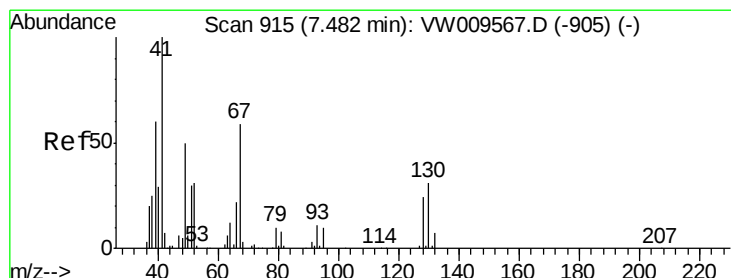
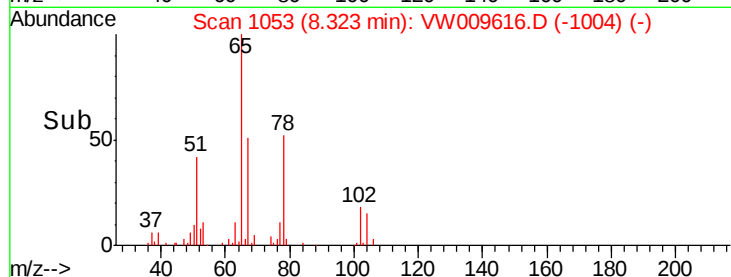
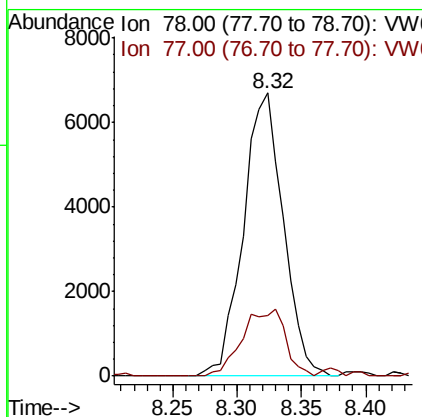
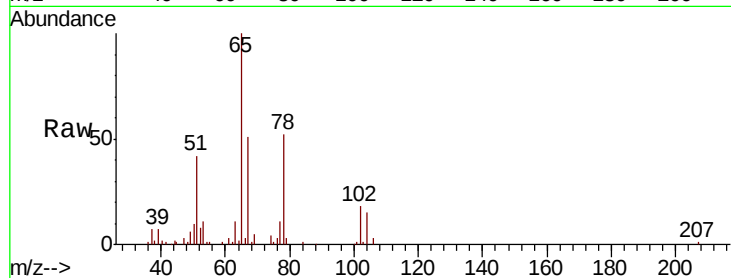
ClientSampled :

Tot Ion: 78 Resp: 14396

Ion Ratio Lower Upper

78 100

77 21.6 19.8 29.6



#41

Methacrylonitrile

Concen: 4.102 ug/l

RT: 7.49 min Scan# 917

Delta R.T. 0.01 min

Lab File: VW009616.D

Acq: 31 Mar 2019 17:42

Tgt Ion: 41 Resp: 268

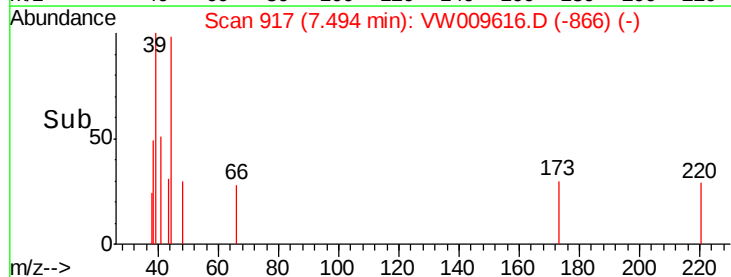
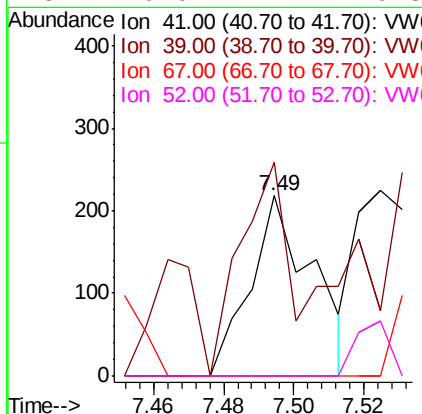
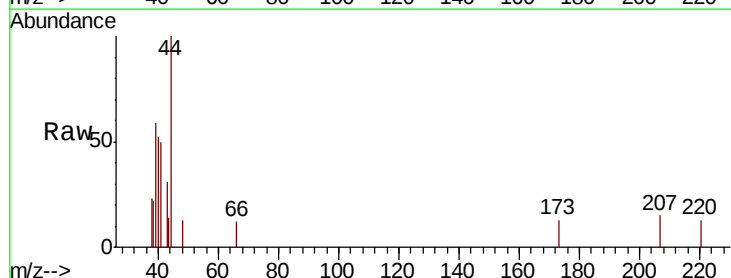
Ion Ratio Lower Upper

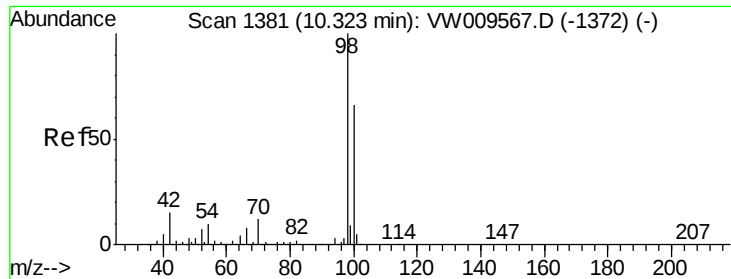
41 100

39 104.1 52.5 78.7#

67 0.0 56.6 84.8#

52 0.0 27.2 40.8#

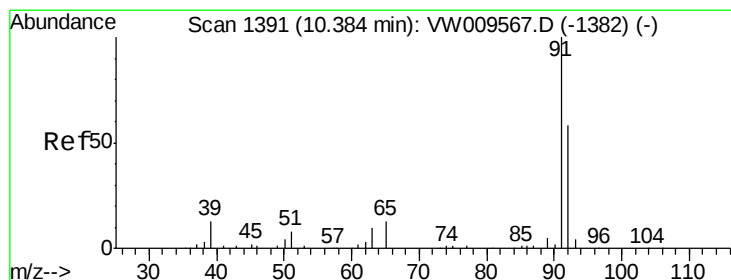
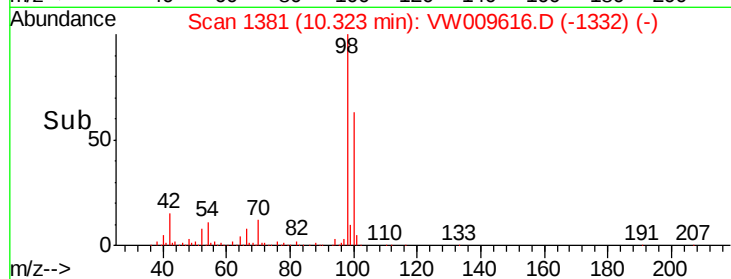
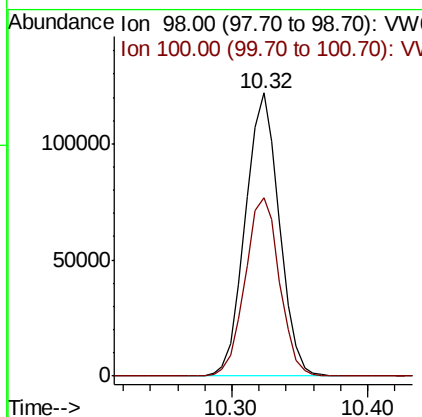
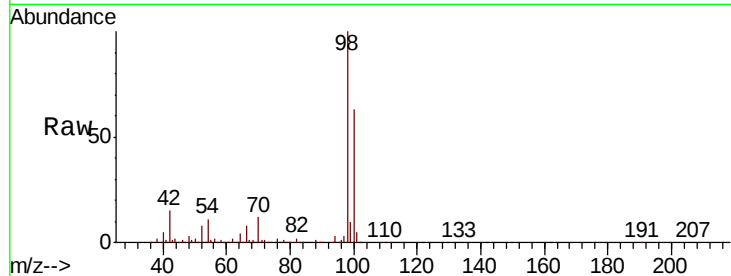




#50
Toluene-d8
Concen: 21.428 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW009616.D
Acq: 31 Mar 2019 17:42

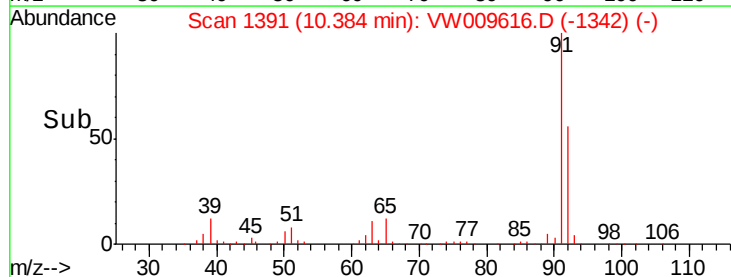
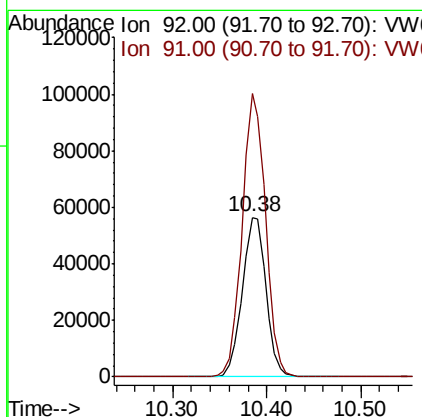
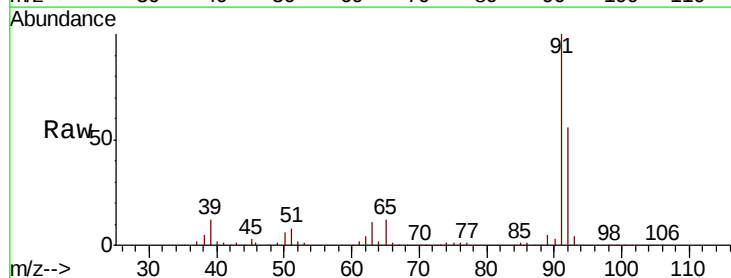
Instrument :
MSVOA_W
ClientSampleId :

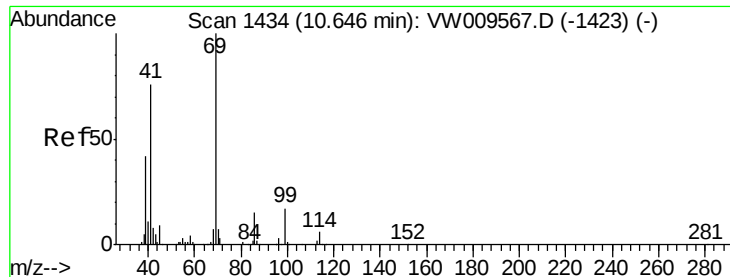
Tot Ion: 98 Resp: 212902
Ion Ratio Lower Upper
98 100
100 63.9 52.6 79.0



#52
Toluene
Concen: 13.218 ug/l
RT: 10.38 min Scan# 1391
Delta R.T. 0.00 min
Lab File: VW009616.D
Acq: 31 Mar 2019 17:42

Tgt Ion: 92 Resp: 99256
Ion Ratio Lower Upper
92 100
91 174.9 140.1 210.1





#56

Ethyl methacrylate

Concen: 3.834 ug/l

RT: 10.65 min Scan# 1434

Delta R.T. 0.00 min

Lab File: VW009616.D

Acq: 31 Mar 2019 17:42

Instrument :

MSVOA_W

ClientSampled :

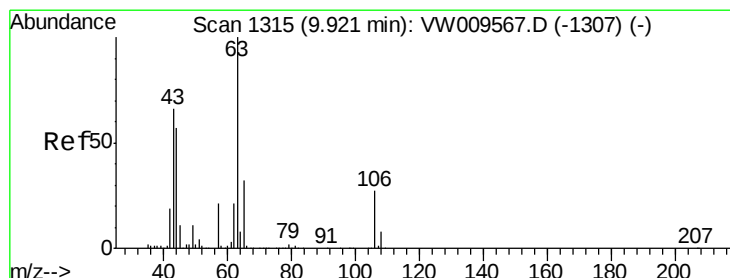
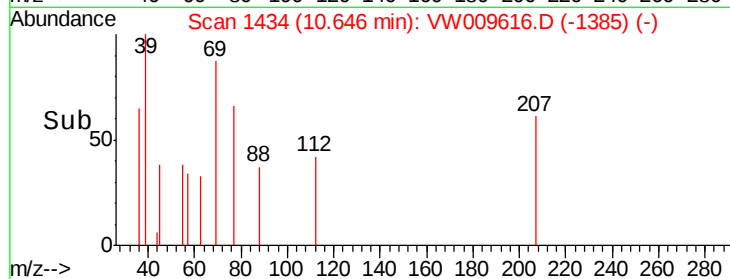
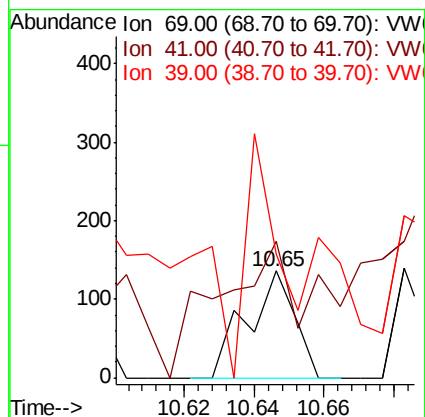
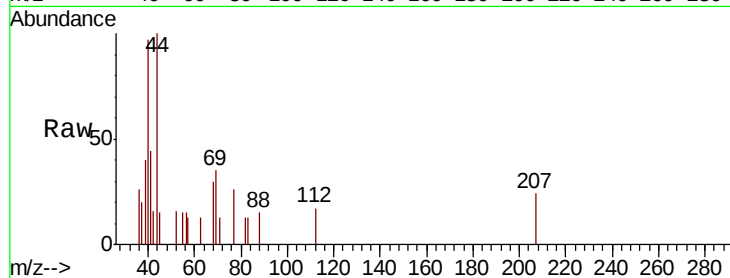
Tot Ion: 69 Resp: 128

Ion Ratio Lower Upper

69 100

41 193.0 59.3 88.9#

39 0.0 36.2 54.2#



#58

2-Chloroethyl Vinyl ether

Concen: 17.035 ug/l

RT: 9.98 min Scan# 1324

Delta R.T. 0.06 min

Lab File: VW009616.D

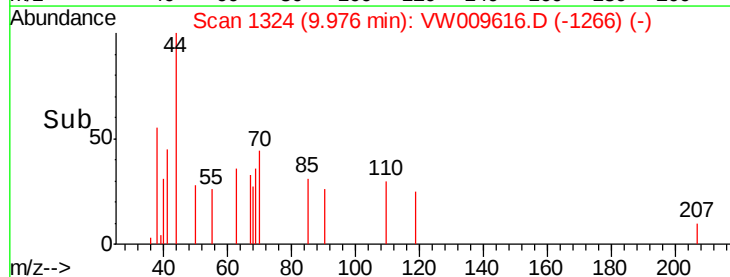
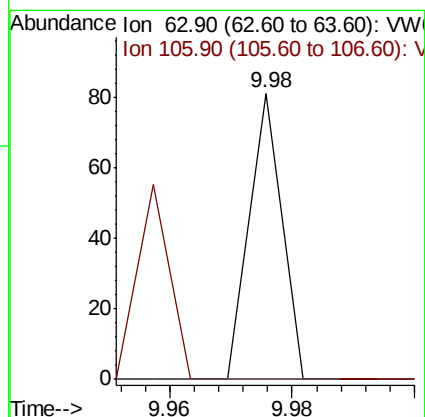
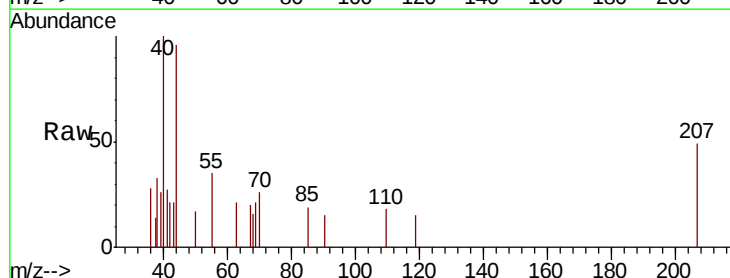
Acq: 31 Mar 2019 17:42

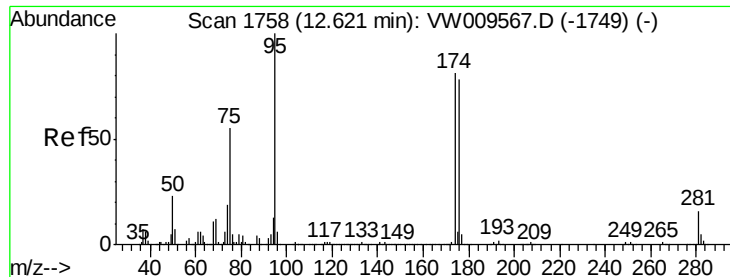
Tgt Ion: 63 Resp: 30

Ion Ratio Lower Upper

63 100

106 66.7 22.9 34.3#

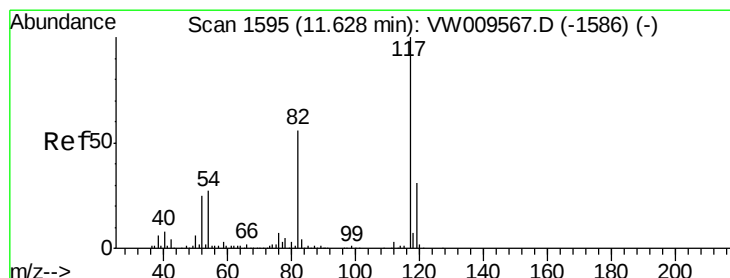
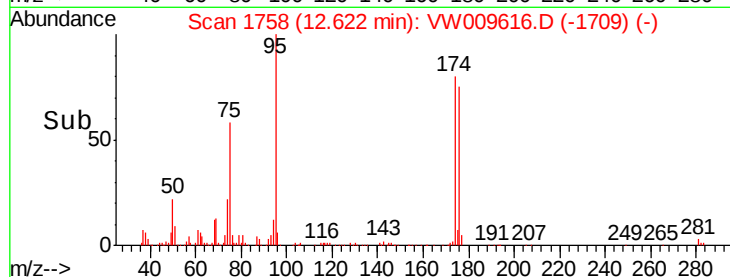
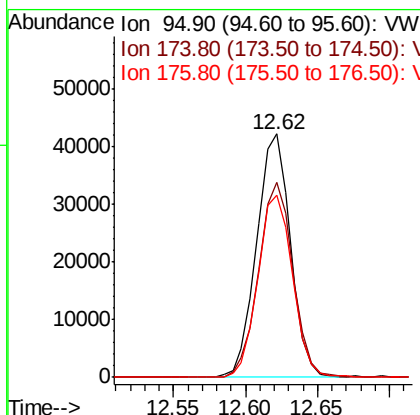
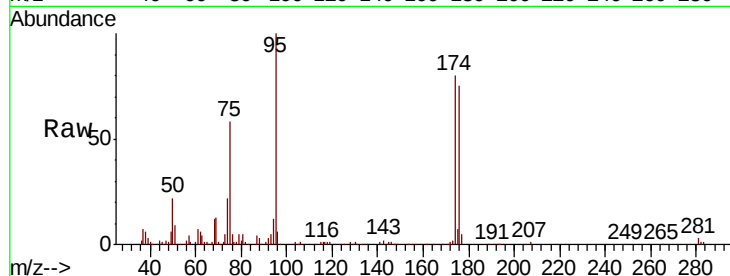




#62
4-Bromofluorobenzene
Concen: 18.412 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.00 min
Lab File: VW009616.D
Acq: 31 Mar 2019 17:42

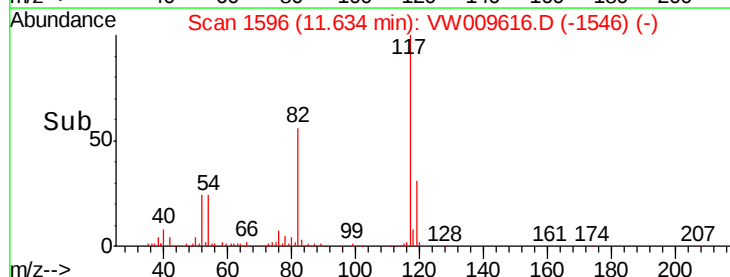
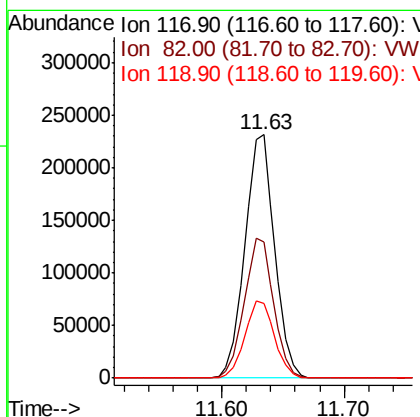
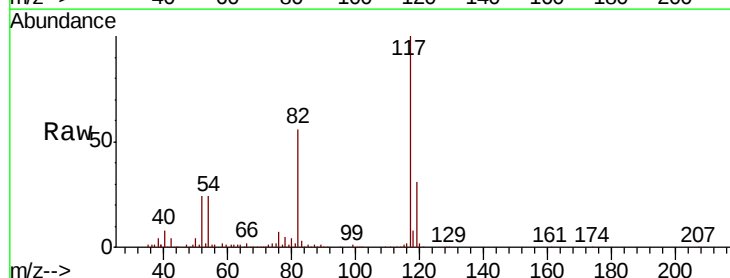
Instrument :
MSVOA_W
ClientSampled :

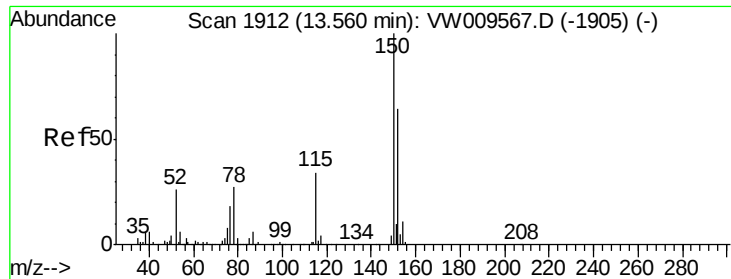
Tot Ion: 95 Resp: 68244
Ion Ratio Lower Upper
95 100
174 81.5 0.0 168.4
176 76.8 0.0 161.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.01 min
Lab File: VW009616.D
Acq: 31 Mar 2019 17:42

Tgt Ion: 117 Resp: 390468
Ion Ratio Lower Upper
117 100
82 55.7 43.6 65.4
119 30.8 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: VW009616.D

Acq: 31 Mar 2019 17:42

Instrument :

MSVOA_W

ClientSampleId :

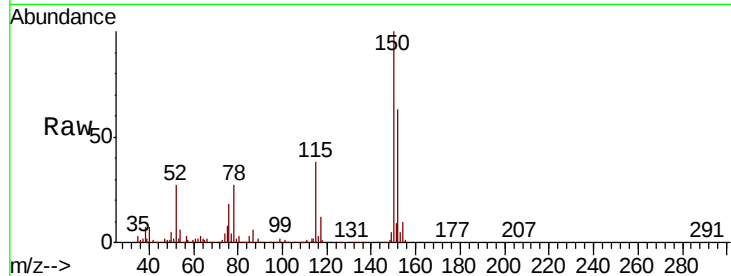
Tot Ion:152 Resp: 176787

Ion Ratio Lower Upper

152 100

115 58.8 29.6 88.8

150 157.5 0.0 349.2

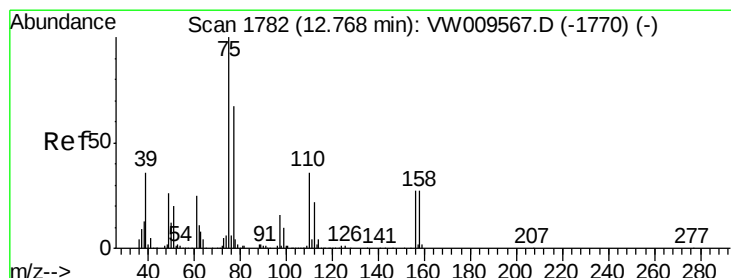
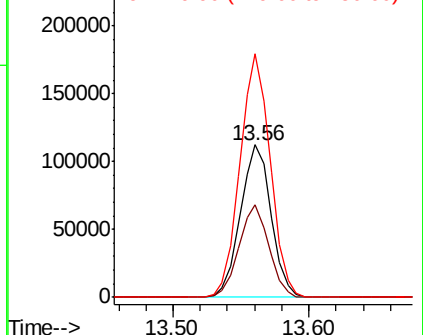
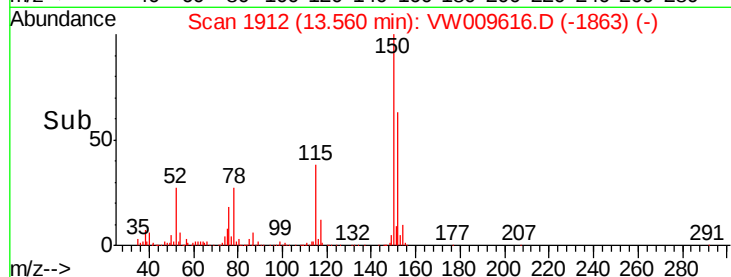


Abundance

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: 23.270 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW009616.D

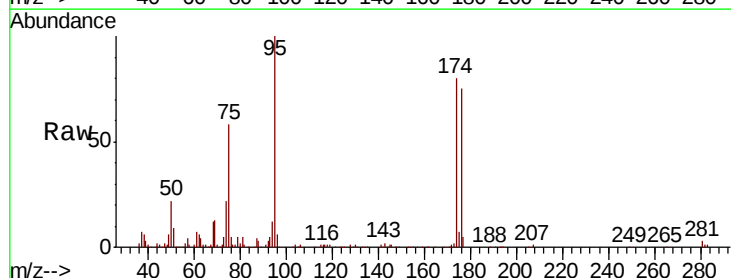
Acq: 31 Mar 2019 17:42

Tgt Ion: 75 Resp: 38686

Ion Ratio Lower Upper

75 100

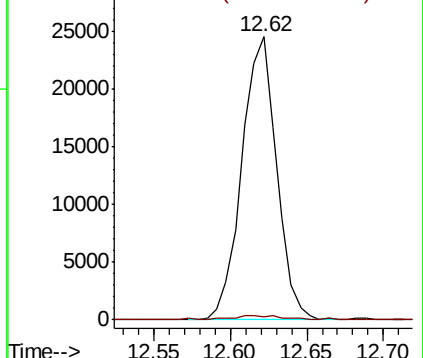
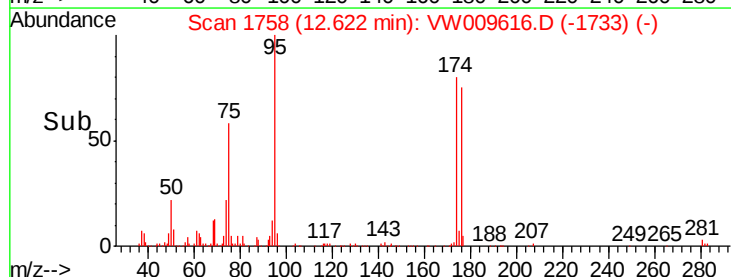
77 2.2 0.0 0.0#

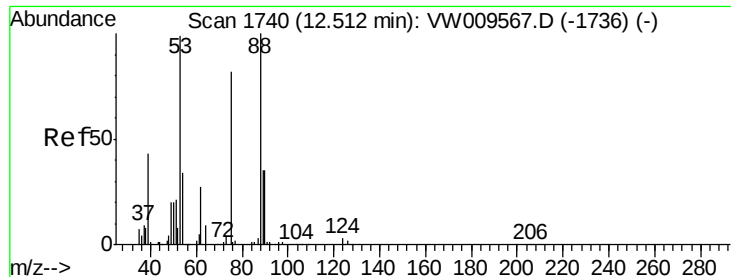


Abundance

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: 54.114 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW009616.D

Acq: 31 Mar 2019 17:42

Instrument :

MSVOA_W

ClientSampleId :

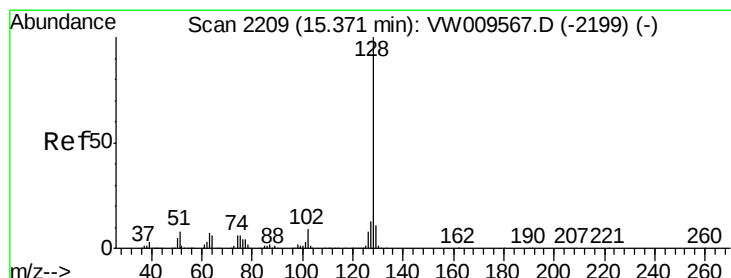
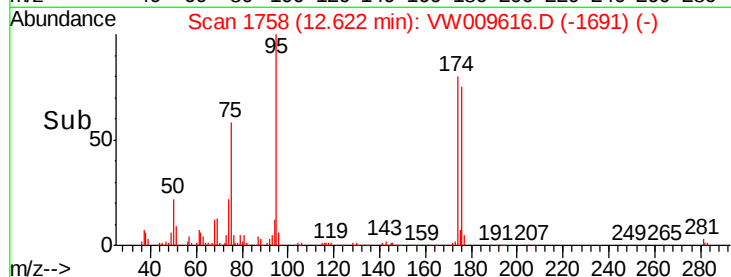
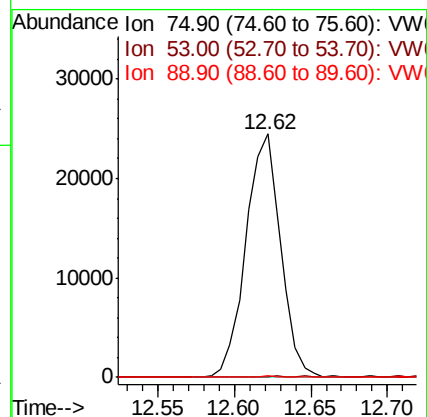
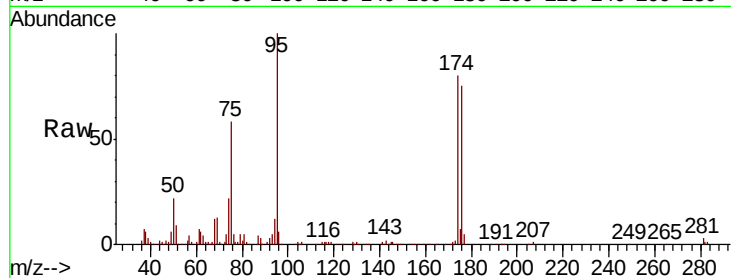
Tot Ion: 75 Resp: 38686

Ion Ratio Lower Upper

75 100

53 0.3 86.7 130.1#

89 0.4 36.4 54.6#



#95

Naphthalene

Concen: 2.819 ug/l

RT: 15.36 min Scan# 2208

Delta R.T. -0.01 min

Lab File: VW009616.D

Acq: 31 Mar 2019 17:42

Tgt Ion: 128 Resp: 699

Ion Ratio Lower Upper

128 100

127 2.7 10.8 16.2#

129 0.0 8.7 13.1#

