

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW033119\
 Data File : VW009619.D
 Acq On : 31 Mar 2019 19:03
 Operator : SY/VA
 Sample : K2138-17
 Misc : 5.26G/5.0ML/MSVOA W/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Apr 01 04:57:04 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	256697	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	429652	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	391362	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	181412	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	121501	41.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	82.78%	
35) Dibromofluoromethane	7.88	113	98575	36.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	73.06%	
50) Toluene-d8	10.32	98	337343	33.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	67.64%	
62) 4-Bromofluorobenzene	12.62	95	108758	29.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	58.46%	

Target Compounds

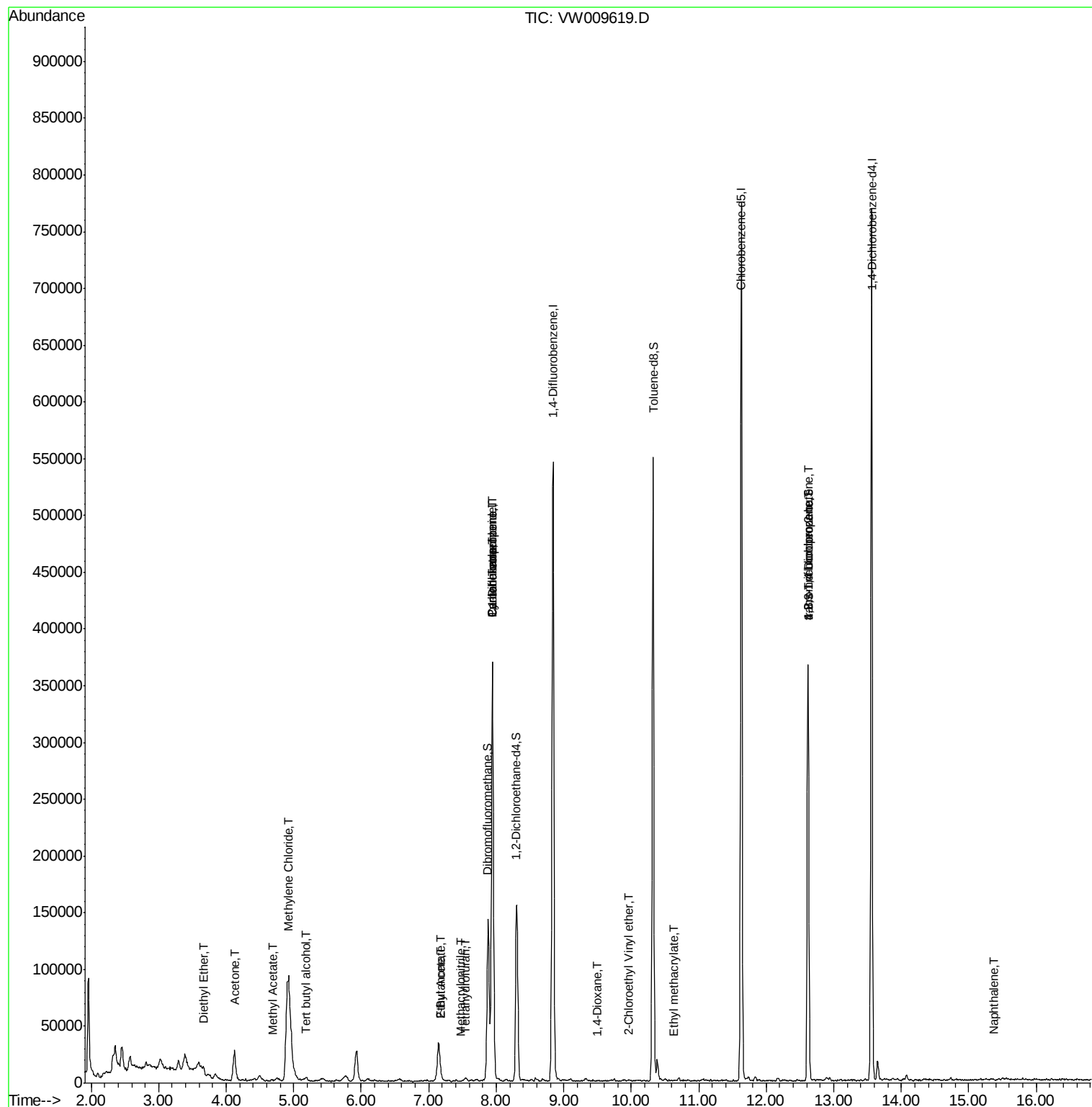
						Qvalue
2) Dichlorodifluoromethane	2.01	85	95	Below Cal	#	41
8) Diethyl Ether	3.67	74	2333	1.761	ug/l	100
11) Tert butyl alcohol	5.18	59	4896	28.767	ug/l #	80
16) Acetone	4.12	43	41158	62.362	ug/l	100
18) Methyl Acetate	4.69	43	2419	1.516	ug/l #	71
20) Methylene Chloride	4.93	84	96289	36.111	ug/l	92
25) 2-Butanone	7.18	43	5763	6.319	ug/l	95
29) Tetrahydrofuran	7.55	42	850	1.501	ug/l #	83
31) Cyclohexane	7.94	56	7806	1.616	ug/l #	39
36) 1,1-Dichloropropene	7.95	75	22050	4.962	ug/l #	51
37) Ethyl Acetate	7.18	43	5763	2.730	ug/l #	72
38) Carbon Tetrachloride	7.95	117	26830	5.892	ug/l #	17
41) Methacrylonitrile	7.47	41	166	4.033	ug/l #	46
49) 1,4-Dioxane	9.50	88	42	1.690	ug/l #	1
56) Ethyl methacrylate	10.62	69	101	3.826	ug/l #	9
58) 2-Chloroethyl Vinyl ether	9.97	63	73	17.062	ug/l	97
76) 1,2,3-Trichloropropane	12.62	75	62479	36.624	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	62479	85.167	ug/l #	7
95) Naphthalene	15.37	128	516	2.792	ug/l #	69

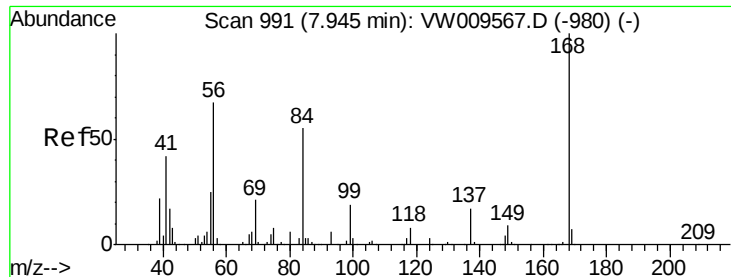
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW009619.D

Acq: 31 Mar 2019 19:03

Instrument :

MSVOA_W

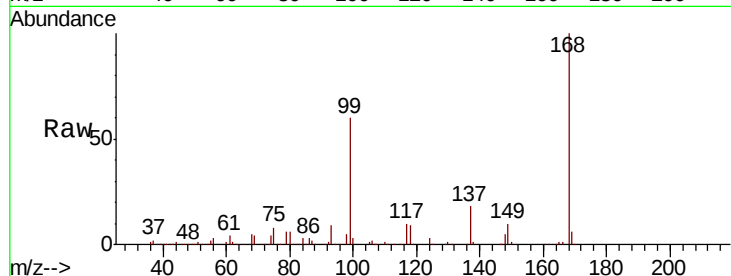
ClientSampled :

Tot Ion:168 Resp: 256697

Ion Ratio Lower Upper

168 100

99 59.5 45.4 68.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

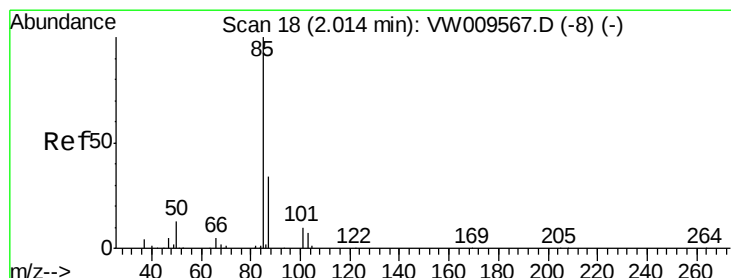
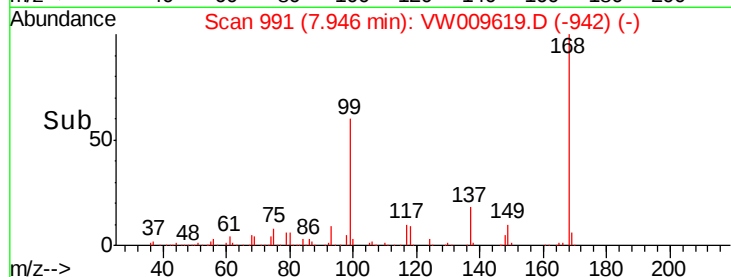
7.95

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW009619.D

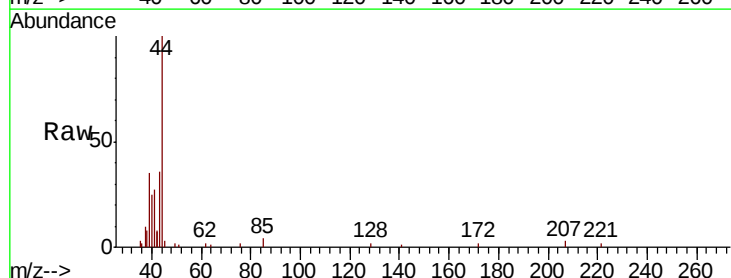
Acq: 31 Mar 2019 19:03

Tgt Ion: 85 Resp: 95

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

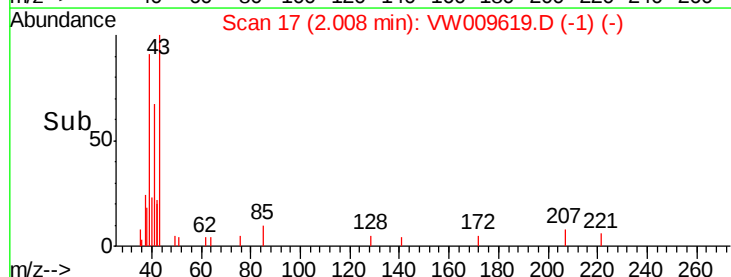
150

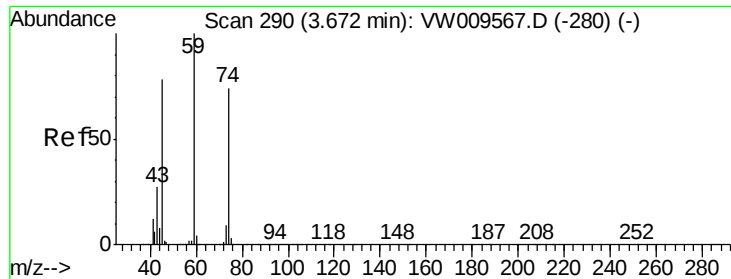
100

50

0

Time-->





#8

Diethyl Ether

Concen: 1.761 ug/l

RT: 3.67 min Scan# 290

Delta R.T. 0.00 min

Lab File: VW009619.D

Acq: 31 Mar 2019 19:03

Instrument :

MSVOA_W

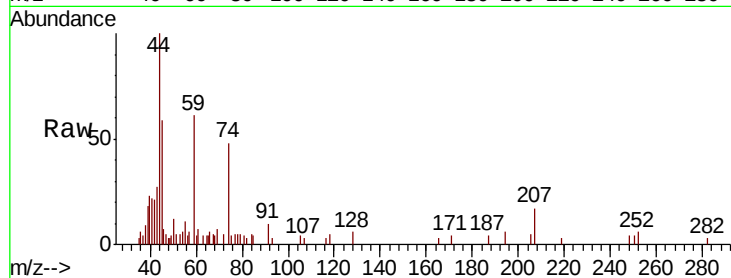
ClientSampleId :

Tot Ion: 74 Resp: 2333

Ion Ratio Lower Upper

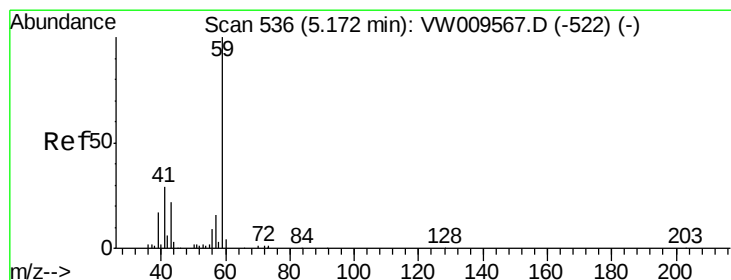
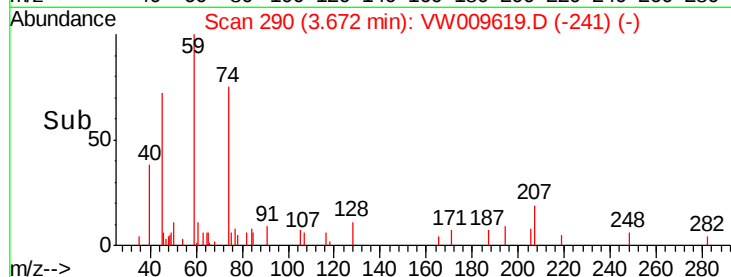
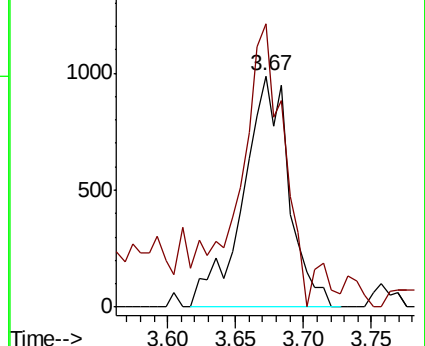
74 100

45 101.1 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: 28.767 ug/l

RT: 5.18 min Scan# 537

Delta R.T. 0.01 min

Lab File: VW009619.D

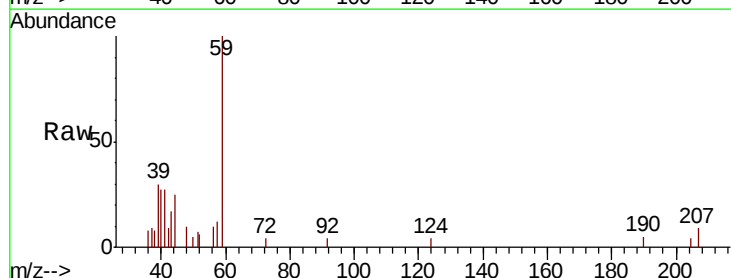
Acq: 31 Mar 2019 19:03

Tgt Ion: 59 Resp: 4896

Ion Ratio Lower Upper

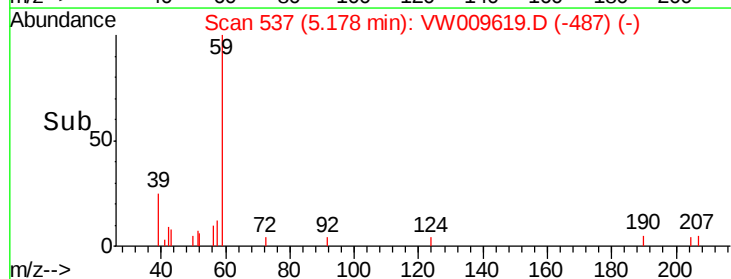
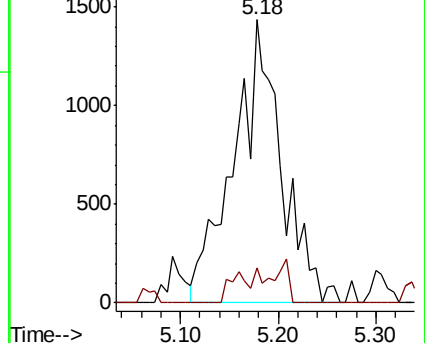
59 100

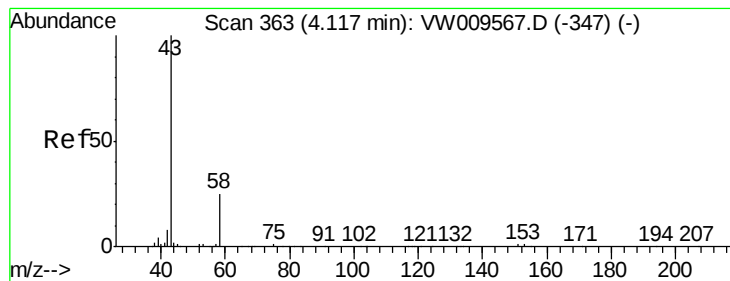
57 3.8 9.4 14.0#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#16

Acetone

Concen: 62.362 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW009619.D

Acq: 31 Mar 2019 19:03

Instrument :

MSVOA_W

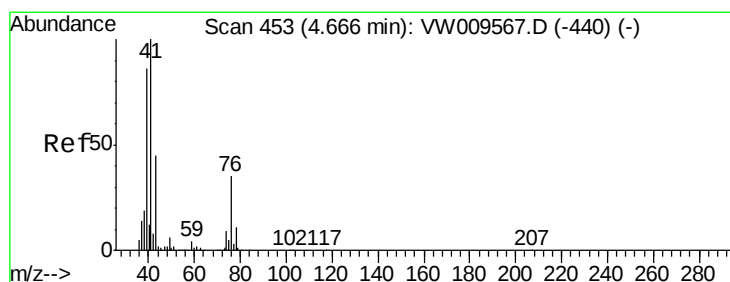
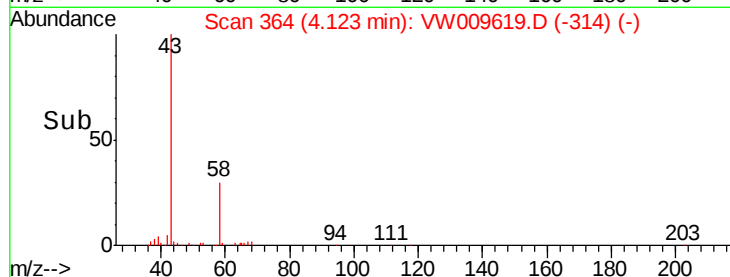
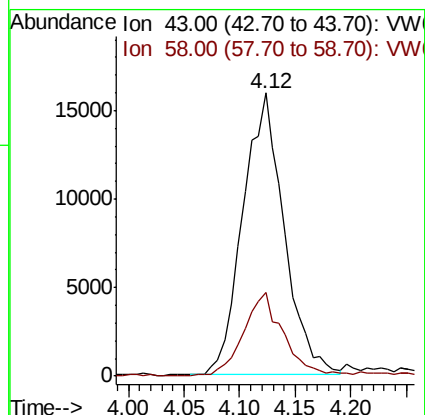
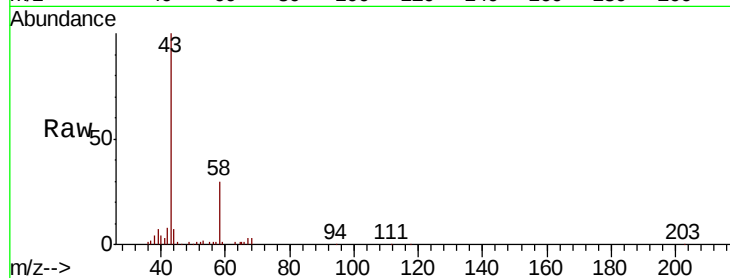
ClientSampleId :

Tot Ion: 43 Resp: 41158

Ion Ratio Lower Upper

43 100

58 29.7 23.6 35.4



#18

Methyl Acetate

Concen: 1.516 ug/l

RT: 4.69 min Scan# 457

Delta R.T. 0.02 min

Lab File: VW009619.D

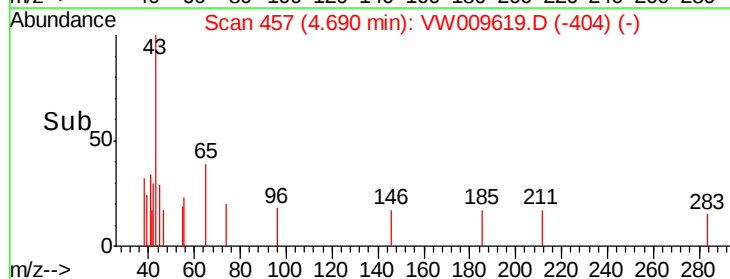
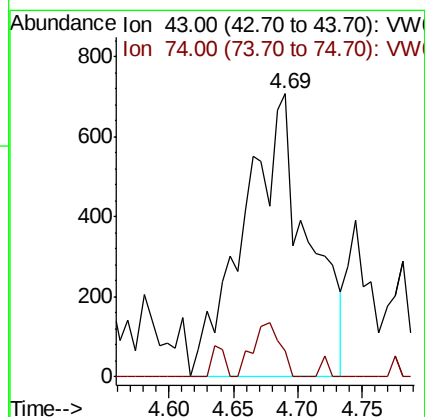
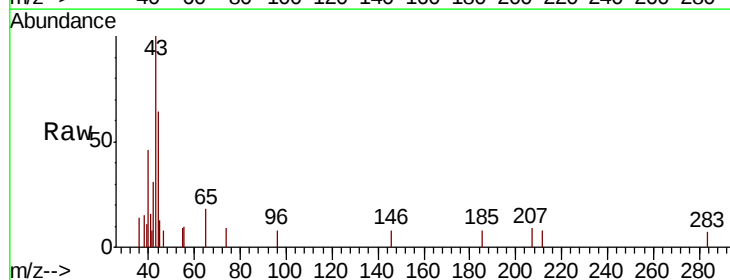
Acq: 31 Mar 2019 19:03

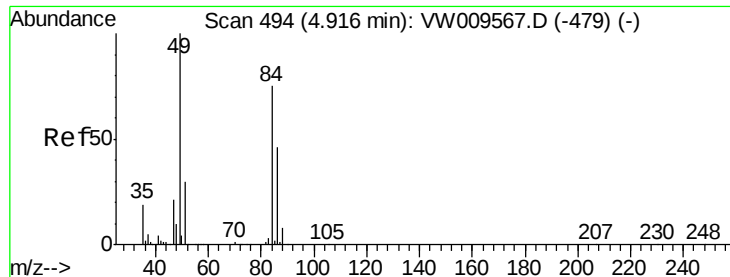
Tgt Ion: 43 Resp: 2419

Ion Ratio Lower Upper

43 100

74 8.2 17.7 26.5#

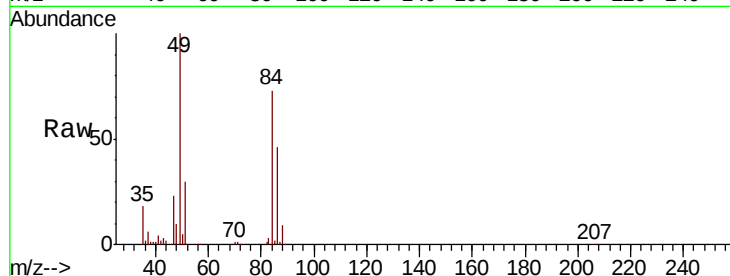




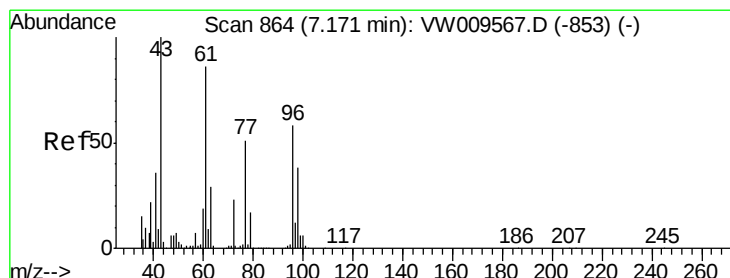
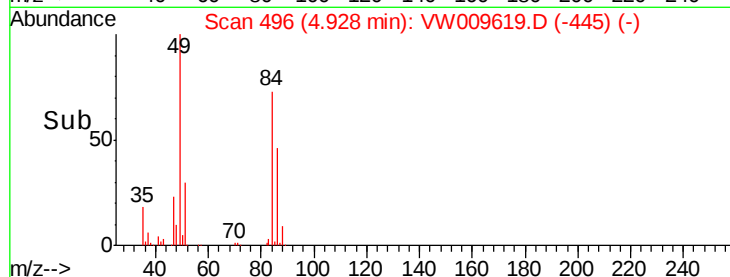
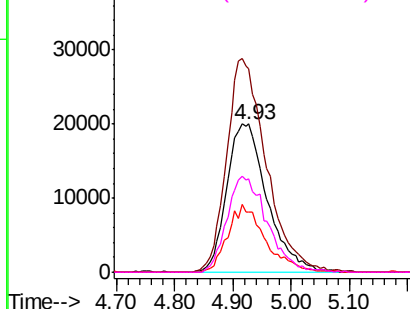
#20
Methvlene Chloride
Concen: 36.111 ug/l
RT: 4.93 min Scan# 496
Delta R.T. 0.01 min
Lab File: VW009619.D
Acq: 31 Mar 2019 19:03

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 84 Resp: 96289
Ion Ratio Lower Upper
84 100
49 137.2 99.1 148.7
51 40.6 28.7 43.1
86 63.1 50.5 75.7

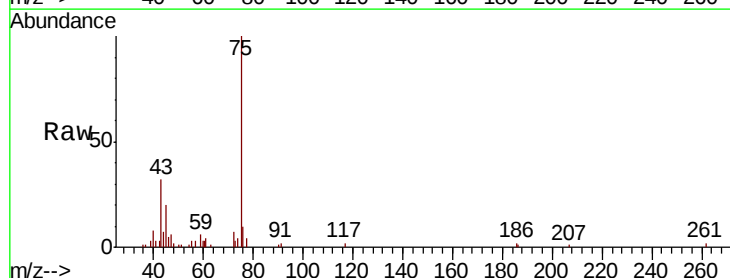


Abundance Ion 83.90 (83.60 to 84.60): VW
Ion 48.90 (48.60 to 49.60): VW
Ion 50.90 (50.60 to 51.60): VW
Ion 85.90 (85.60 to 86.60): VW

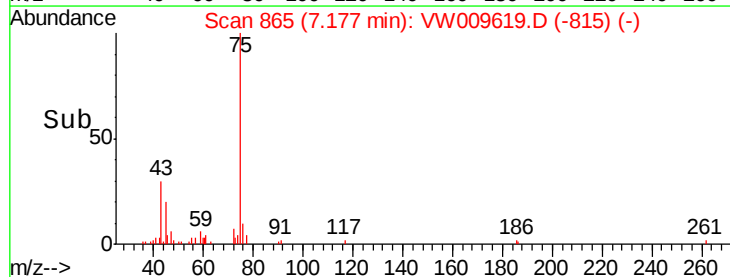
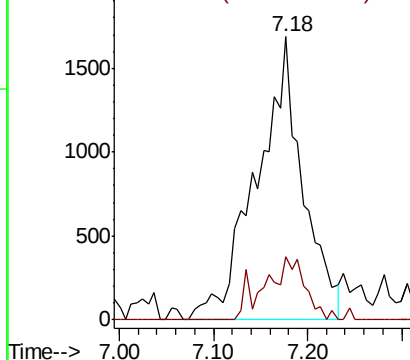


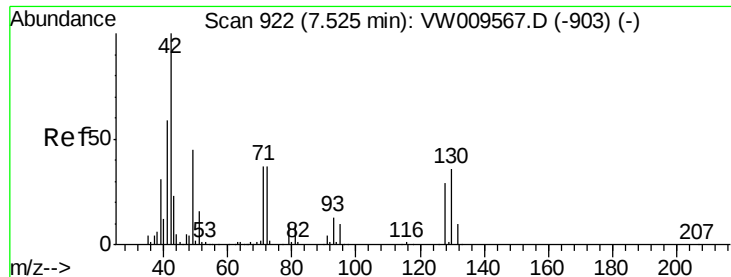
#25
2-Butanone
Concen: 6.319 ug/l
RT: 7.18 min Scan# 865
Delta R.T. 0.01 min
Lab File: VW009619.D
Acq: 31 Mar 2019 19:03

Tgt Ion: 43 Resp: 5763
Ion Ratio Lower Upper
43 100
72 22.4 20.0 30.0



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 72.00 (71.70 to 72.70): VW

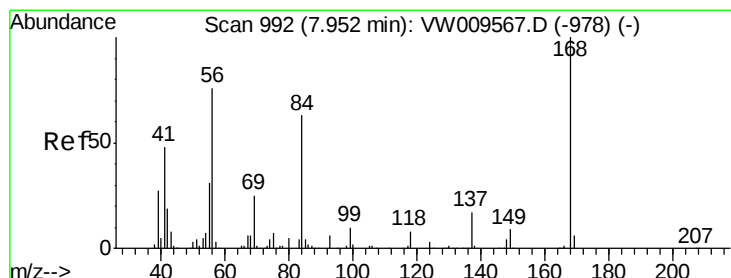
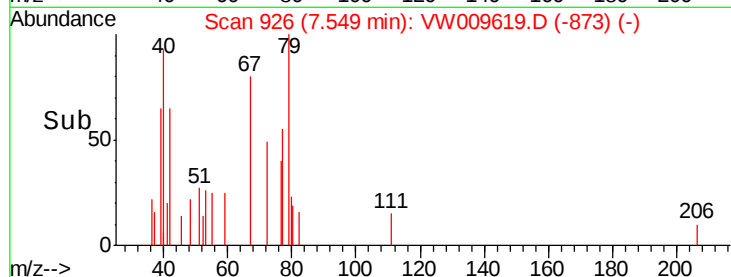
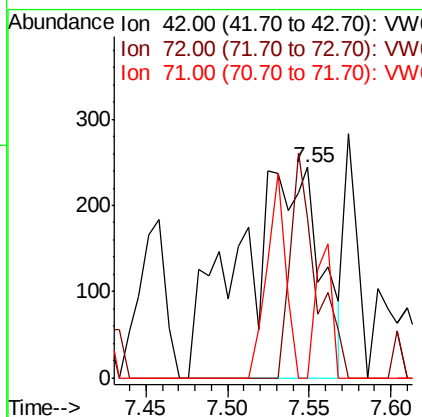
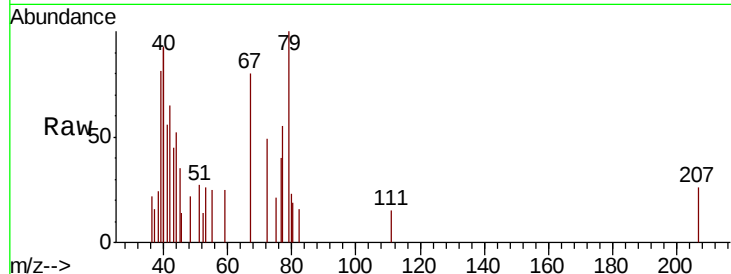




#29
Tetrahydrofuran
Concen: 1.501 ug/l
RT: 7.55 min Scan# 926
Delta R.T. 0.02 min
Lab File: VW009619.D
Acq: 31 Mar 2019 19:03

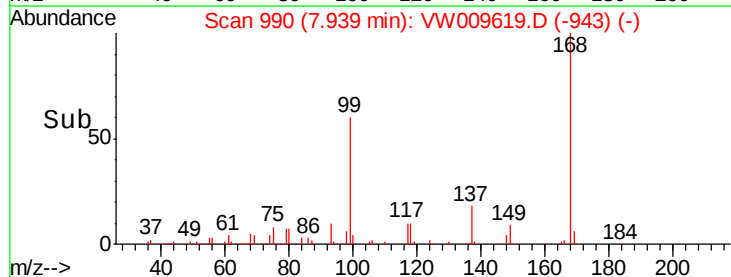
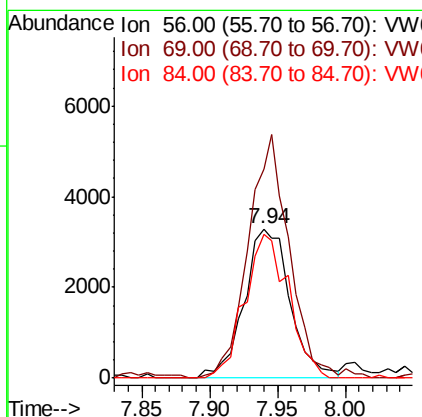
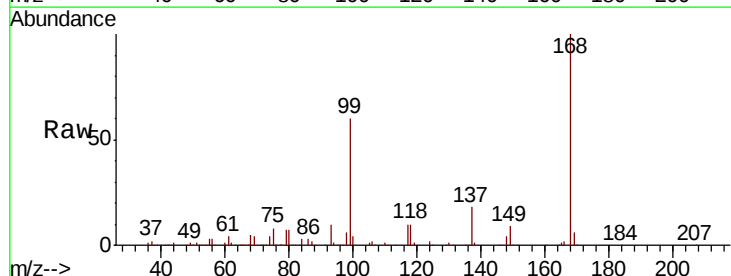
Instrument :
MSVOA_W
ClientSampled :

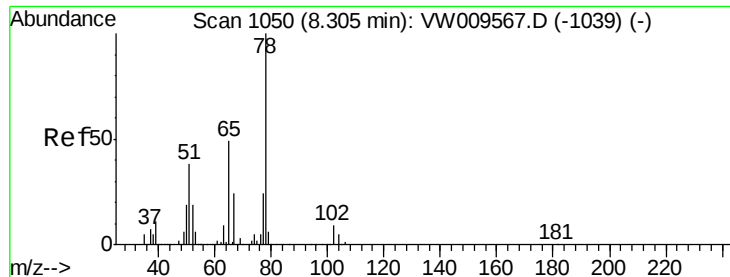
Tot Ion: 42 Resp: 850
Ion Ratio Lower Upper
42 100
72 34.1 32.4 48.6
71 22.5 30.1 45.1#



#31
Cyclohexane
Concen: 1.616 ug/l
RT: 7.94 min Scan# 990
Delta R.T. -0.01 min
Lab File: VW009619.D
Acq: 31 Mar 2019 19:03

Tgt Ion: 56 Resp: 7806
Ion Ratio Lower Upper
56 100
69 140.1 26.1 39.1#
84 96.6 68.6 103.0

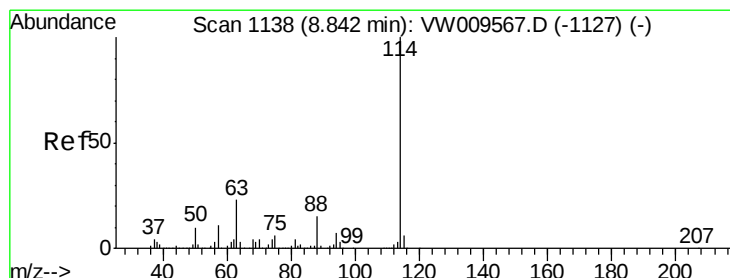
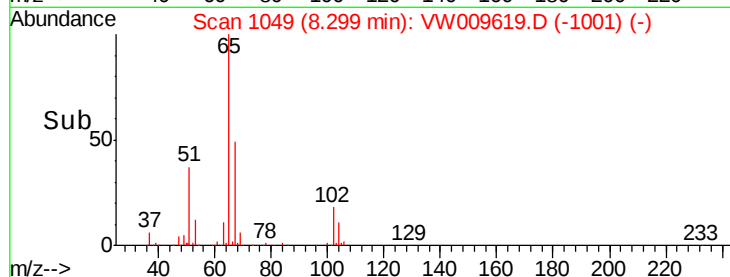
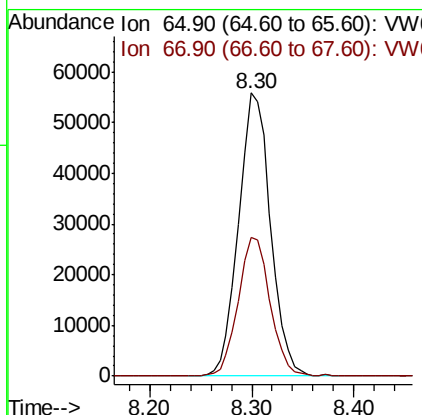
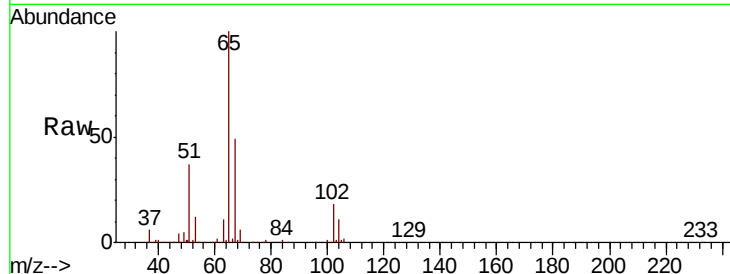




#33
 1,2-Dichloroethane-d4
 Concen: 41.391 ug/l
 RT: 8.30 min Scan# 1049
 Delta R.T. -0.01 min
 Lab File: VW009619.D
 Acq: 31 Mar 2019 19:03

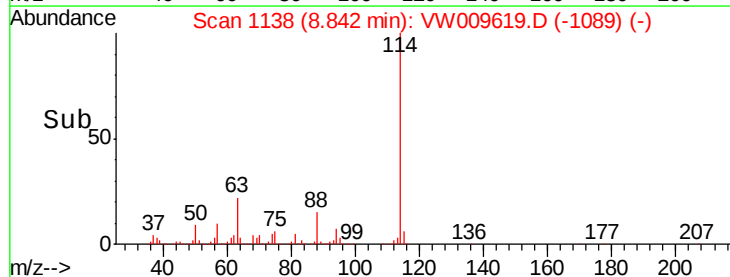
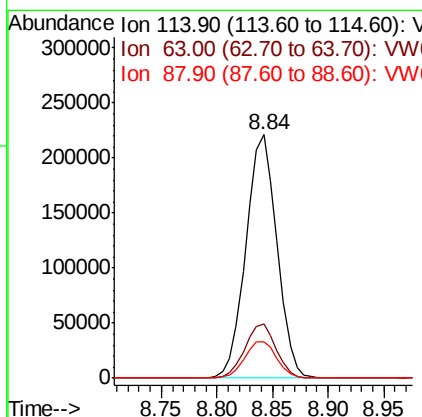
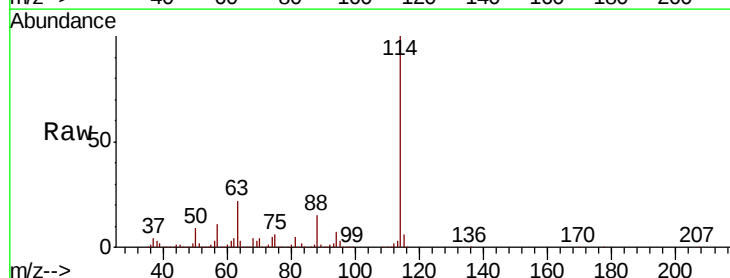
Instrument :
 MSVOA_W
 ClientSampleId :

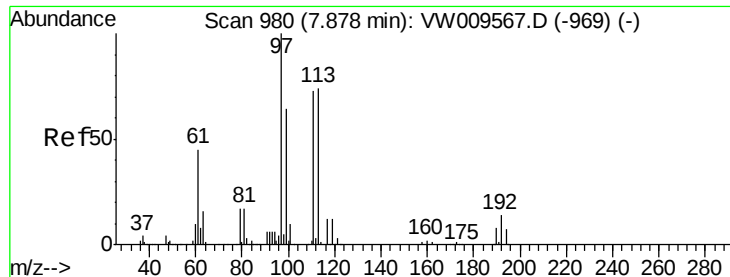
Tot Ion: 65 Resp: 121501
 Ion Ratio Lower Upper
 65 100
 67 49.1 0.0 102.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW009619.D
 Acq: 31 Mar 2019 19:03

Tgt Ion: 114 Resp: 429652
 Ion Ratio Lower Upper
 114 100
 63 22.2 0.0 42.2
 88 14.8 0.0 30.8

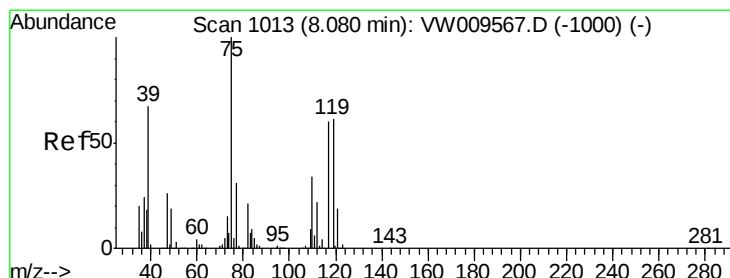
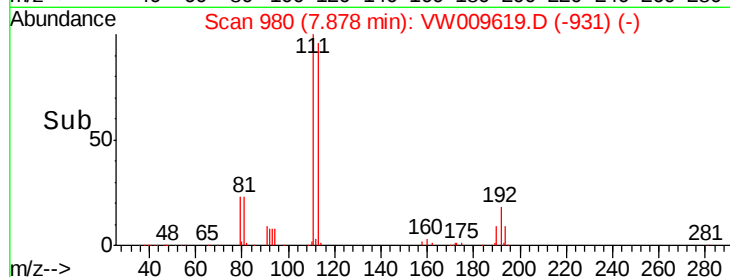
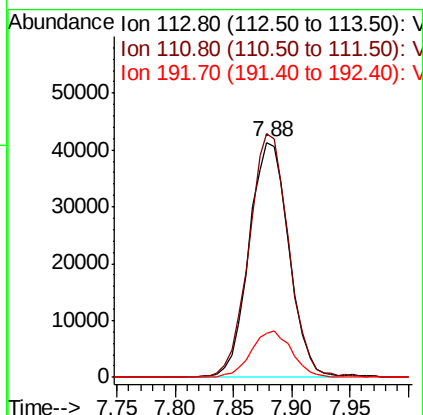
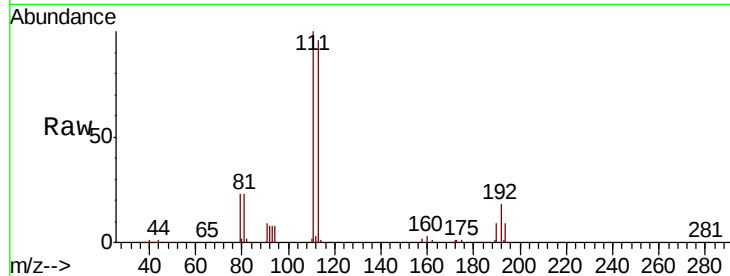




#35
Dibromofluoromethane
Concen: 36.529 ug/l
RT: 7.88 min Scan# 980
Delta R.T. 0.00 min
Lab File: VW009619.D
Acq: 31 Mar 2019 19:03

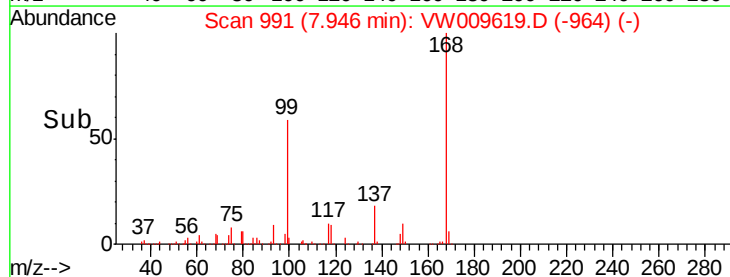
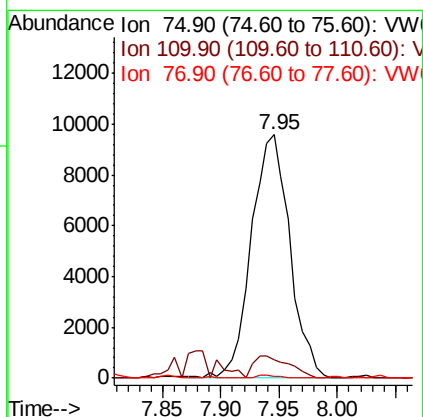
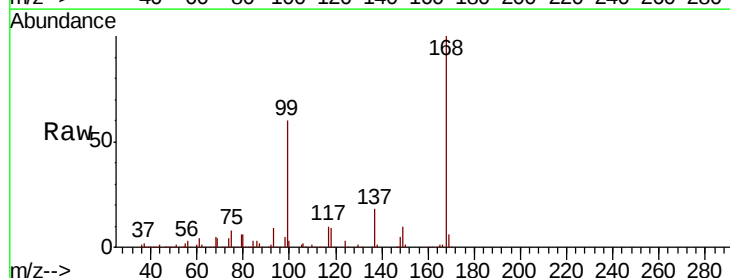
Instrument :
MSVOA_W
ClientSampleId :

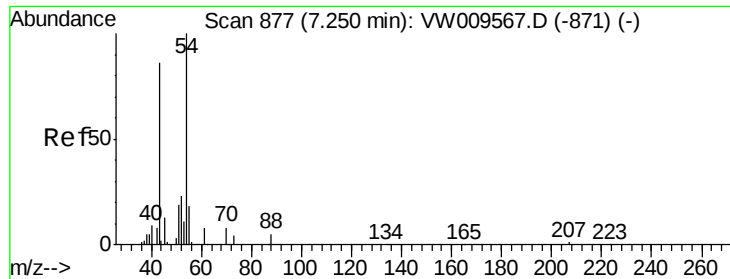
Tot Ion:113 Resp: 98575
Ion Ratio Lower Upper
113 100
111 103.5 82.6 124.0
192 20.0 16.4 24.6



#36
1,1-Dichloropropene
Concen: 4.962 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.13 min
Lab File: VW009619.D
Acq: 31 Mar 2019 19:03

Tgt Ion: 75 Resp: 22050
Ion Ratio Lower Upper
75 100
110 8.5 16.8 50.4#
77 0.6 24.6 36.8#

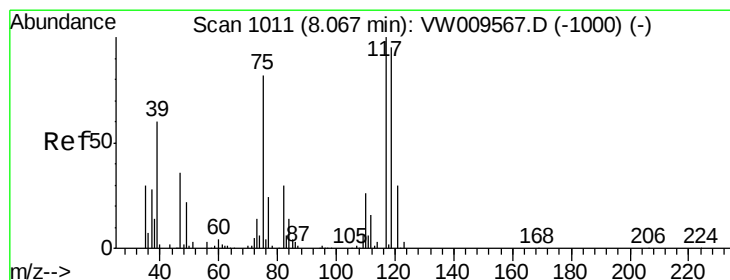
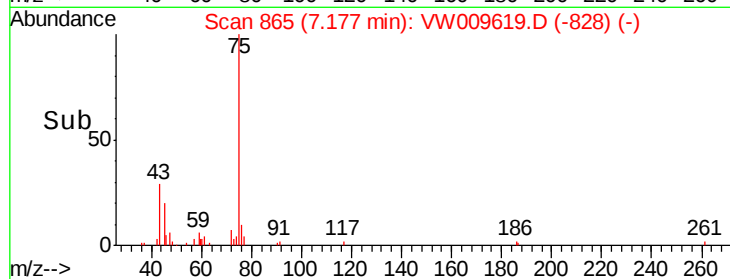
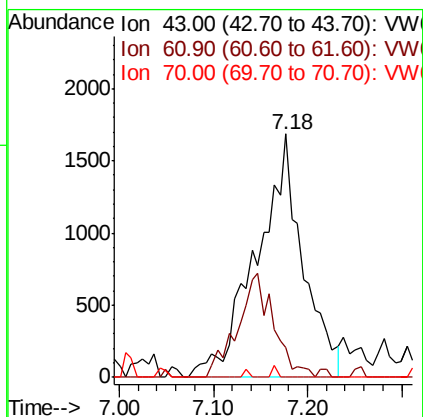
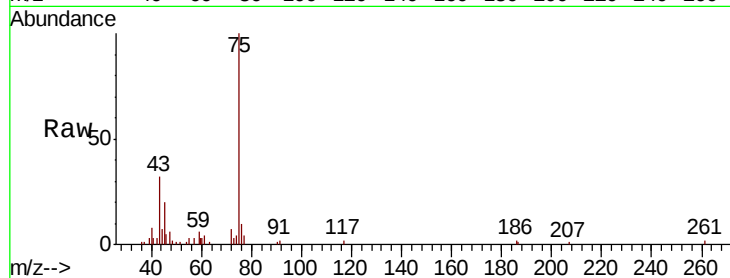




#37
Ethyl Acetate
Concen: 2.730 ug/l
RT: 7.18 min Scan# 865
Delta R.T. -0.07 min
Lab File: VW009619.D
Acq: 31 Mar 2019 19:03

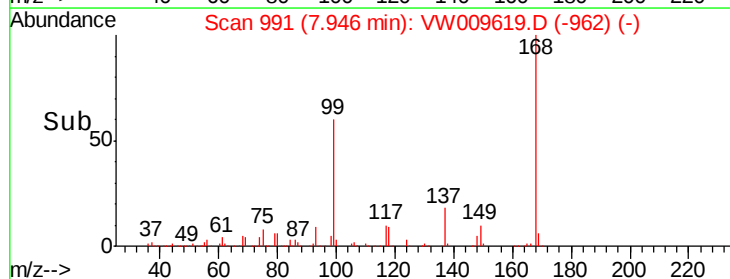
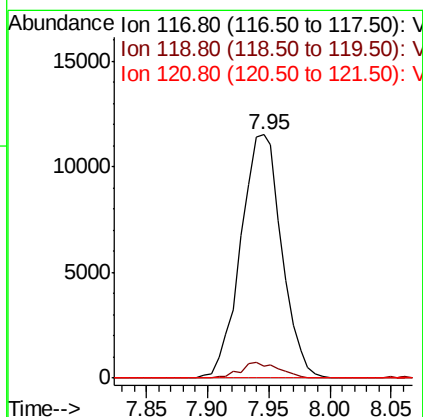
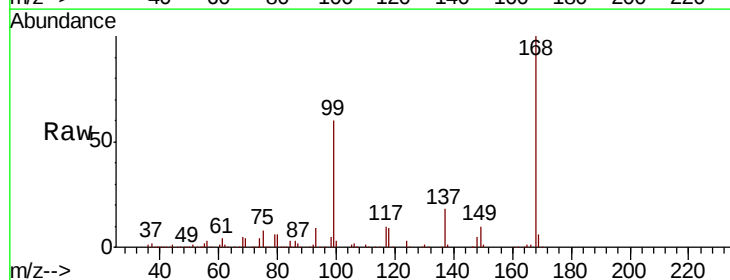
Instrument :
MSVOA_W
ClientSampleId :

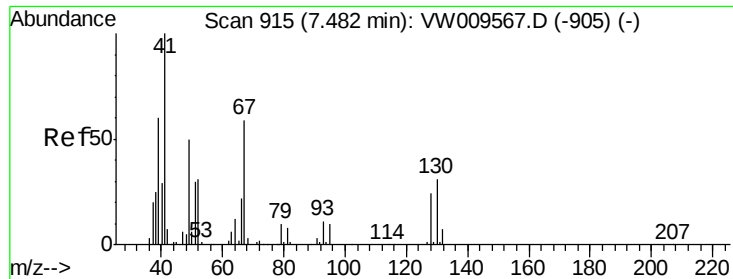
Tot Ion: 43 Resp: 5763
Ion Ratio Lower Upper
43 100
61 0.0 10.0 15.0#
70 0.5 7.3 10.9#



#38
Carbon Tetrachloride
Concen: 5.892 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.12 min
Lab File: VW009619.D
Acq: 31 Mar 2019 19:03

Tgt Ion: 117 Resp: 26830
Ion Ratio Lower Upper
117 100
119 4.9 75.4 113.0#
121 0.0 24.9 37.3#

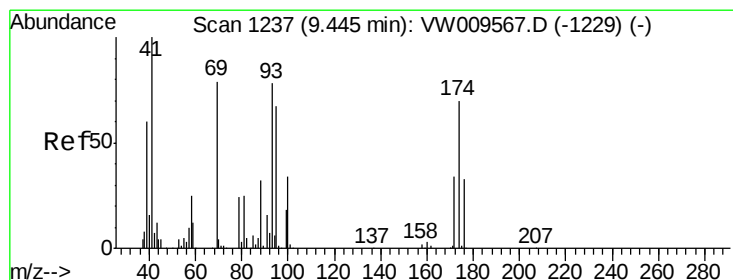
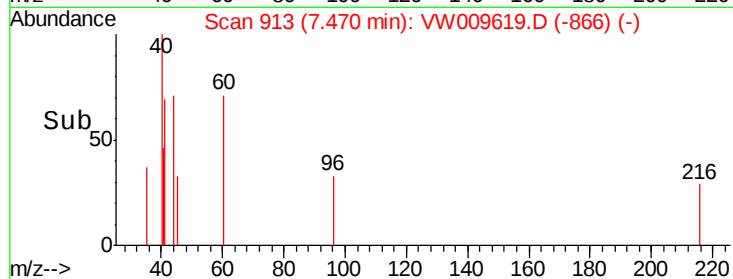
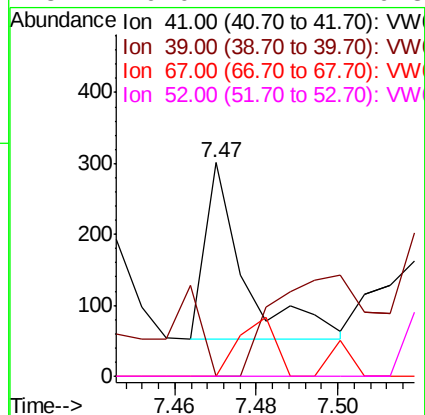
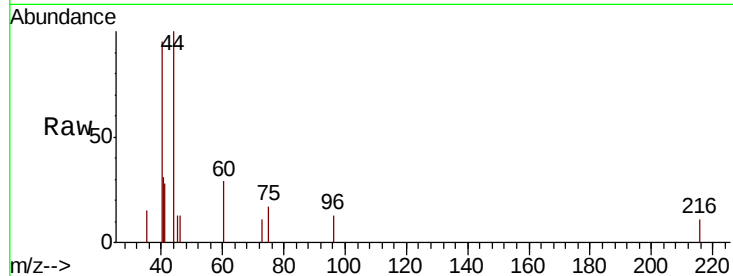




#41
Methacrylonitrile
Concen: 4.033 ug/l
RT: 7.47 min Scan# 913
Delta R.T. -0.01 min
Lab File: VW009619.D
Acq: 31 Mar 2019 19:03

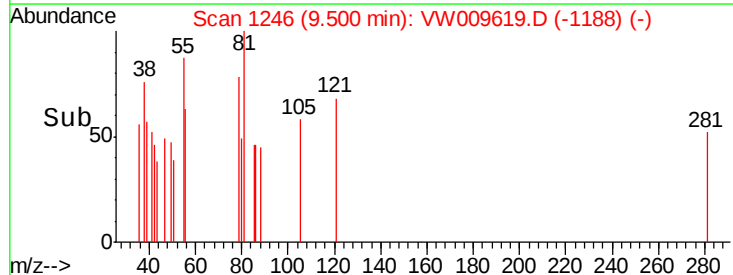
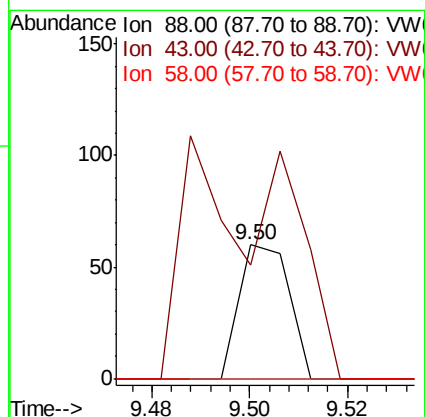
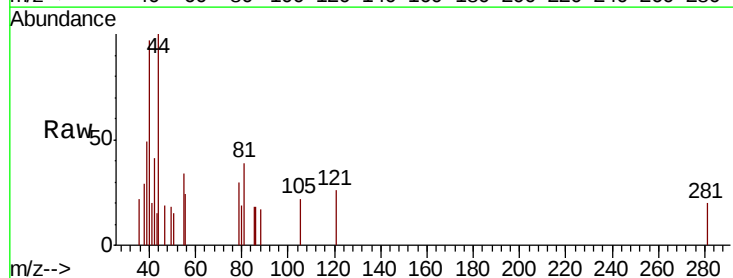
Instrument :
MSVOA_W
ClientSampled :

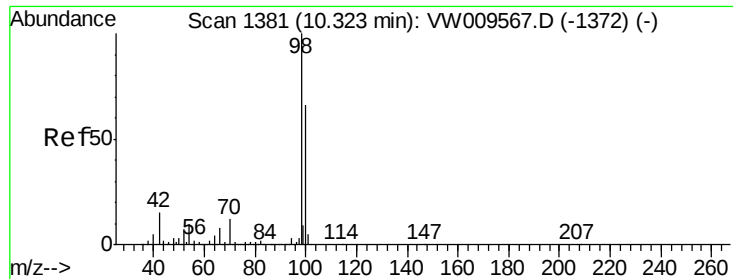
Tot Ion:	41	Resp:	166
Ion	Ratio	Lower	Upper
41	100		
39	51.8	52.5	78.7#
67	0.0	56.6	84.8#
52	0.0	27.2	40.8#



#49
1,4-Dioxane
Concen: 1.690 ug/l
RT: 9.50 min Scan# 1246
Delta R.T. 0.05 min
Lab File: VW009619.D
Acq: 31 Mar 2019 19:03

Tgt Ion:	88	Resp:	42
Ion	Ratio	Lower	Upper
88	100		
43	202.4	29.7	44.5#
58	0.0	58.1	87.1#

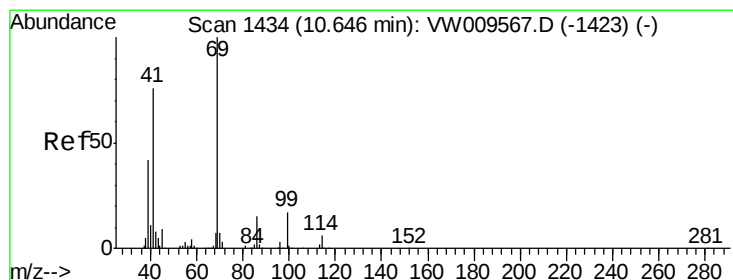
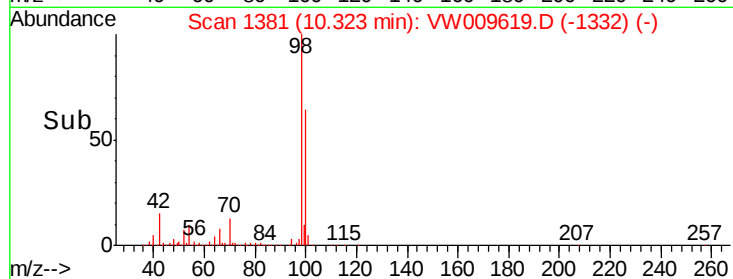
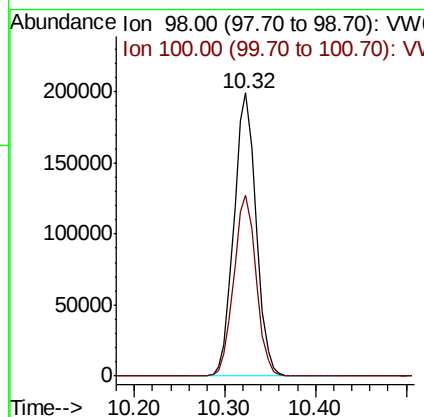
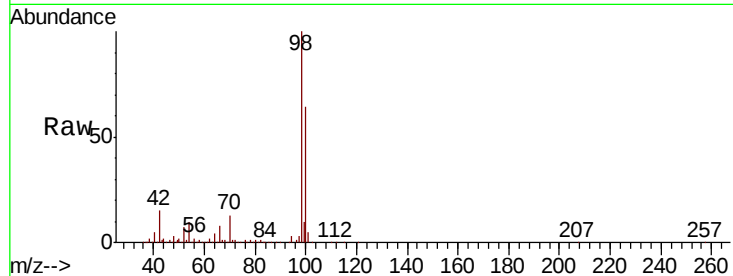




#50
Toluene-d8
Concen: 33.822 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW009619.D
Acq: 31 Mar 2019 19:03

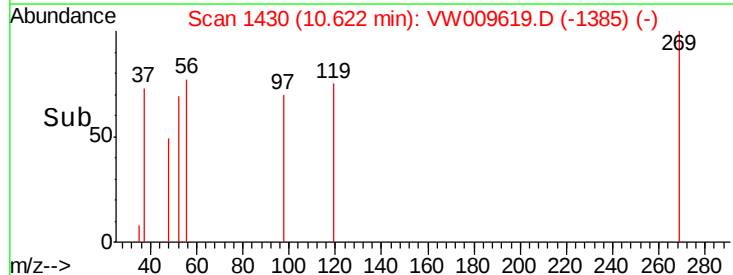
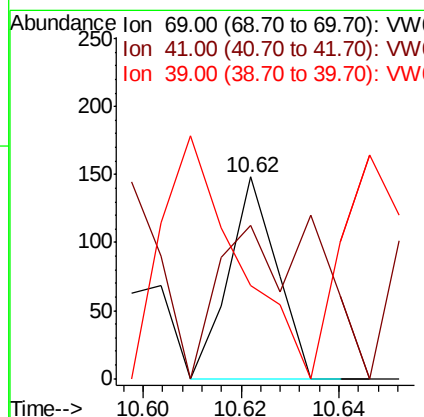
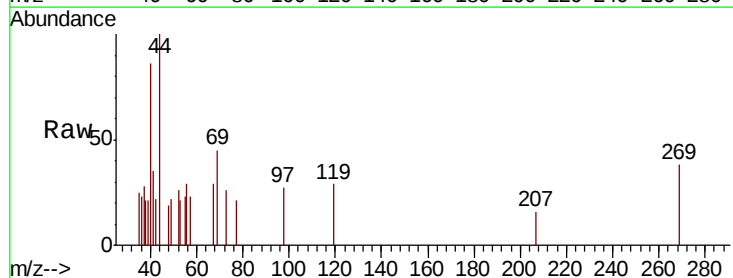
Instrument :
MSVOA_W
ClientSampled :

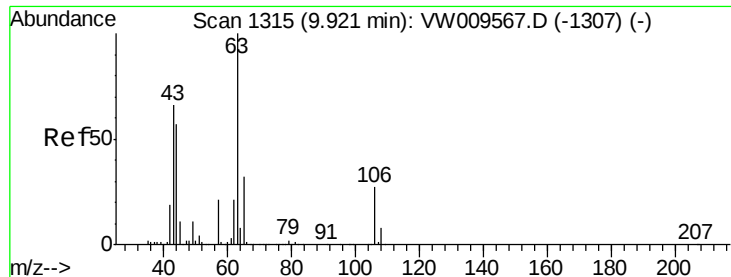
Tot Ion: 98 Resp: 337343
Ion Ratio Lower Upper
98 100
100 64.3 52.6 79.0



#56
Ethyl methacrylate
Concen: 3.826 ug/l
RT: 10.62 min Scan# 1430
Delta R.T. -0.02 min
Lab File: VW009619.D
Acq: 31 Mar 2019 19:03

Tgt Ion: 69 Resp: 101
Ion Ratio Lower Upper
69 100
41 162.4 59.3 88.9#
39 0.0 36.2 54.2#

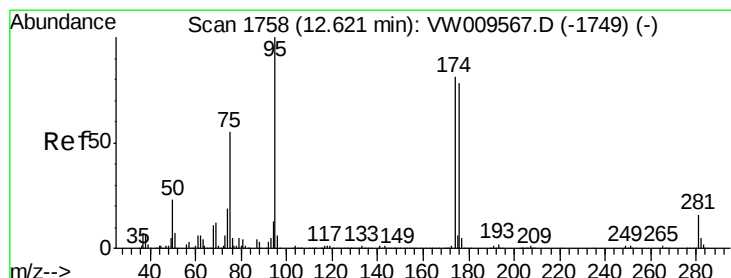
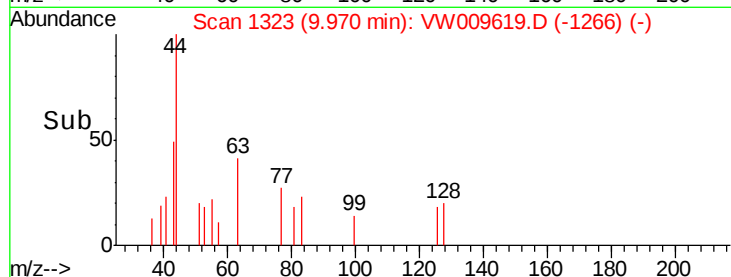
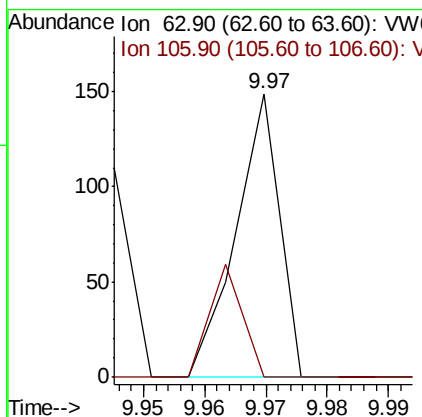
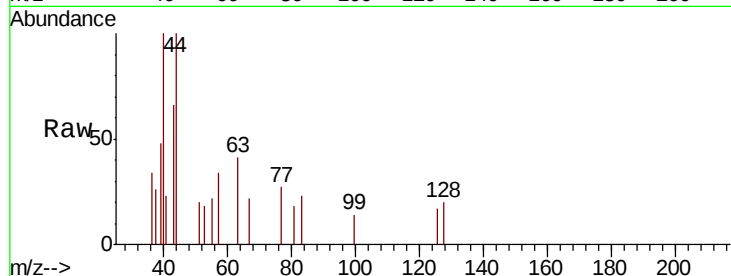




#58
 2-Chloroethyl Vinyl ether
 Concen: 17.062 ug/l
 RT: 9.97 min Scan# 1323
 Delta R.T. 0.05 min
 Lab File: VW009619.D
 Acq: 31 Mar 2019 19:03

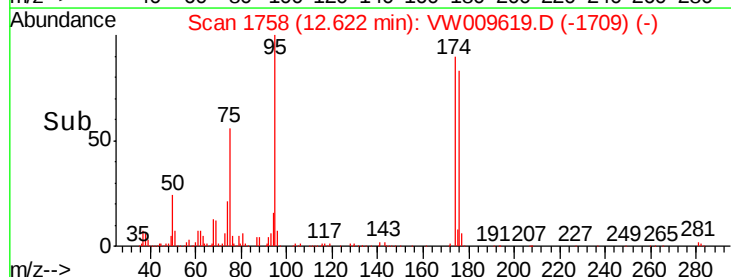
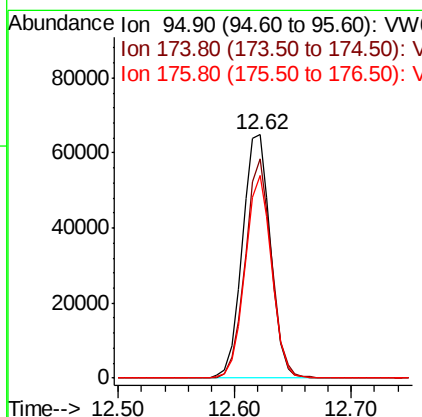
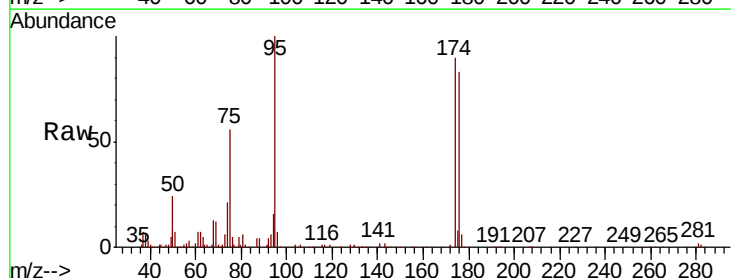
Instrument :
 MSVOA_W
 ClientSampleId :

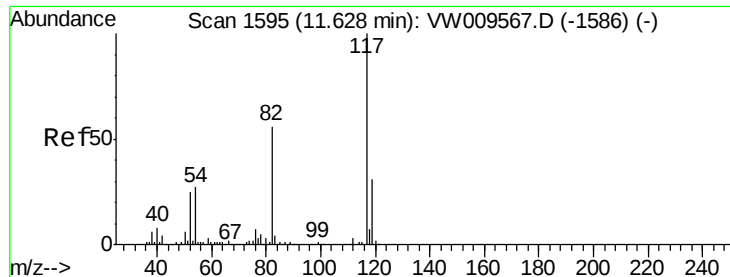
Tot Ion: 63 Resp: 73
 Ion Ratio Lower Upper
 63 100
 106 30.1 22.9 34.3



#62
 4-Bromofluorobenzene
 Concen: 29.229 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.00 min
 Lab File: VW009619.D
 Acq: 31 Mar 2019 19:03

Tgt Ion: 95 Resp: 108758
 Ion Ratio Lower Upper
 95 100
 174 84.7 0.0 168.4
 176 78.9 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: VW009619.D

Acq: 31 Mar 2019 19:03

Instrument :

MSVOA_W

ClientSampleId :

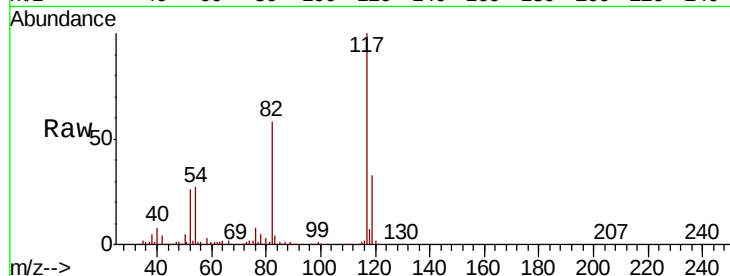
Tot Ion:117 Resp: 391362

Ion Ratio Lower Upper

117 100

82 58.4 43.6 65.4

119 32.6 26.0 39.0

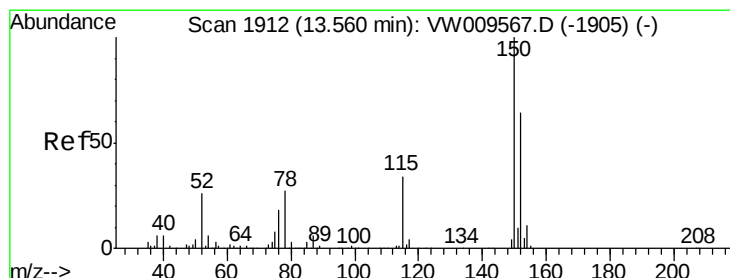
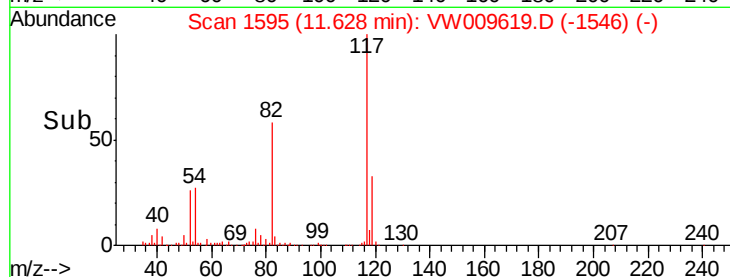
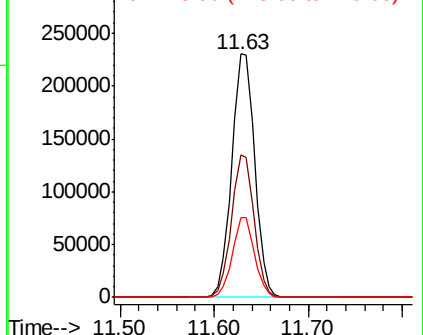


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW009619.D

Acq: 31 Mar 2019 19:03

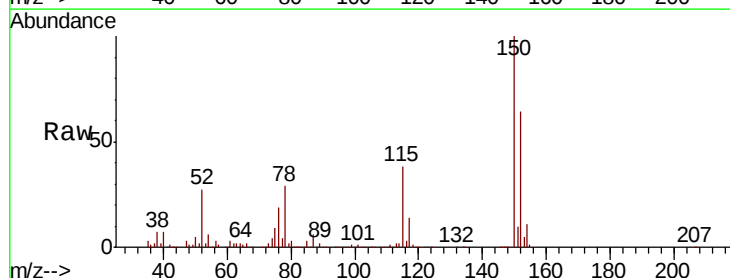
Tgt Ion:152 Resp: 181412

Ion Ratio Lower Upper

152 100

115 59.1 29.6 88.8

150 156.8 0.0 349.2

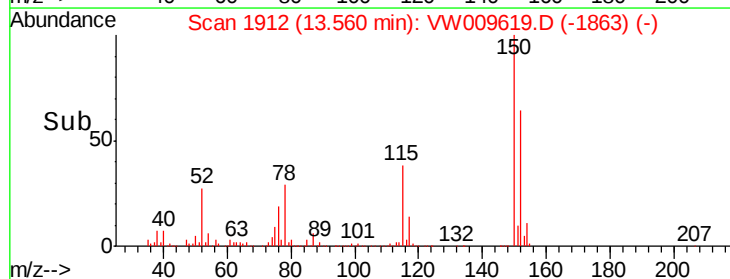
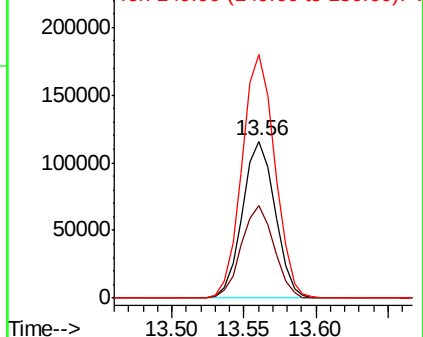


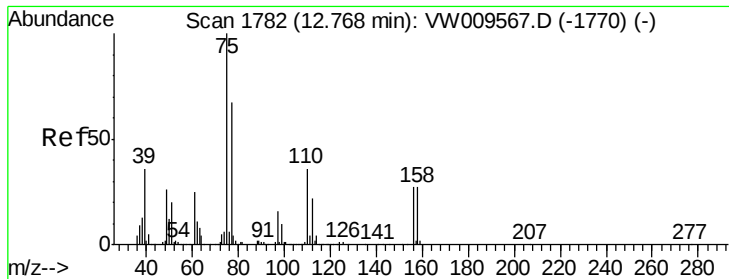
Abundance

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

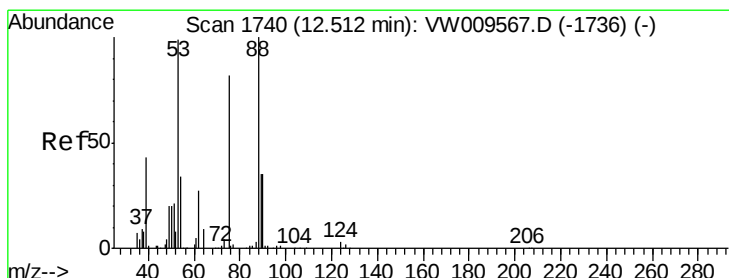
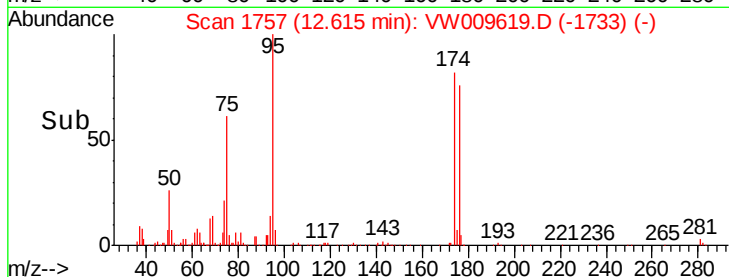
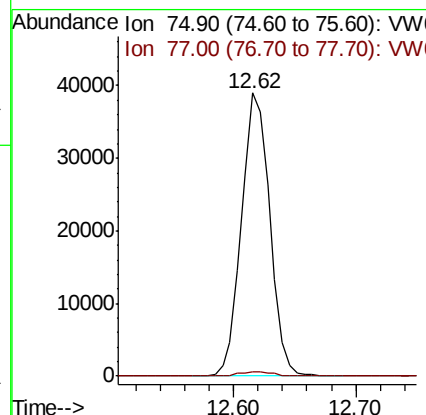
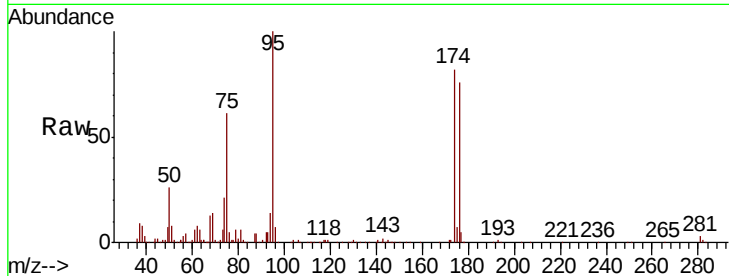




#76
 1,2,3-Trichloropropane
 Concen: 36.624 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.15 min
 Lab File: VW009619.D
 Acq: 31 Mar 2019 19:03

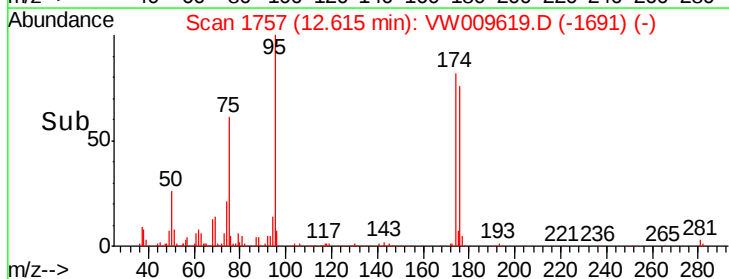
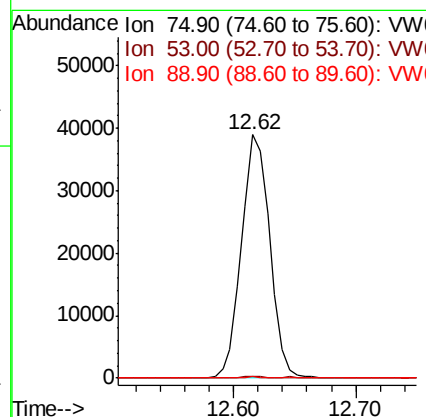
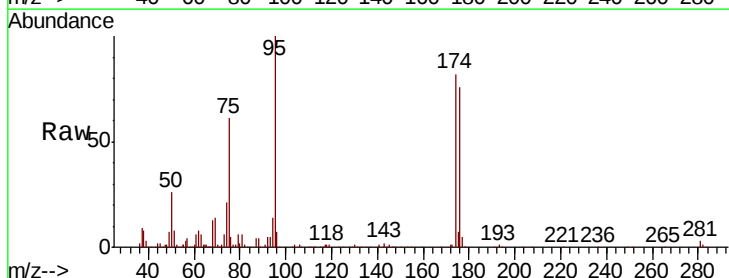
Instrument :
 MSVOA_W
 ClientSampleId :

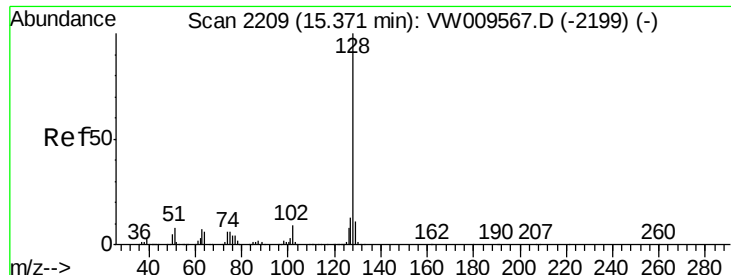
Tot Ion: 75 Resp: 62479
 Ion Ratio Lower Upper
 75 100
 77 1.8 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 85.167 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.10 min
 Lab File: VW009619.D
 Acq: 31 Mar 2019 19:03

Tgt Ion: 75 Resp: 62479
 Ion Ratio Lower Upper
 75 100
 53 0.5 86.7 130.1#
 89 0.1 36.4 54.6#





#95
Naphthalene
Concen: 2.792 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW009619.D
Acq: 31 Mar 2019 19:03

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:128 Resp: 516
Ion Ratio Lower Upper
128 100
127 0.0 10.8 16.2#
129 0.0 8.7 13.1#

