

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW062019\
 Data File : VW010902.D
 Acq On : 20 Jun 2019 19:56
 Operator : SY/VA
 Sample : K3447-09
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jun 21 07:49:12 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W060419S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 05 03:21:19 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	180797	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	292536	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	235902	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	89400	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	99777	46.82	ug/l	0.00
Spiked Amount			Recovery	=	93.64%	
35) Dibromofluoromethane	7.88	113	80002	50.38	ug/l	0.00
Spiked Amount			Recovery	=	100.76%	
50) Toluene-d8	10.32	98	356726	51.23	ug/l	0.00
Spiked Amount			Recovery	=	102.46%	
62) 4-Bromofluorobenzene	12.62	95	108641	42.88	ug/l	0.00
Spiked Amount			Recovery	=	85.76%	

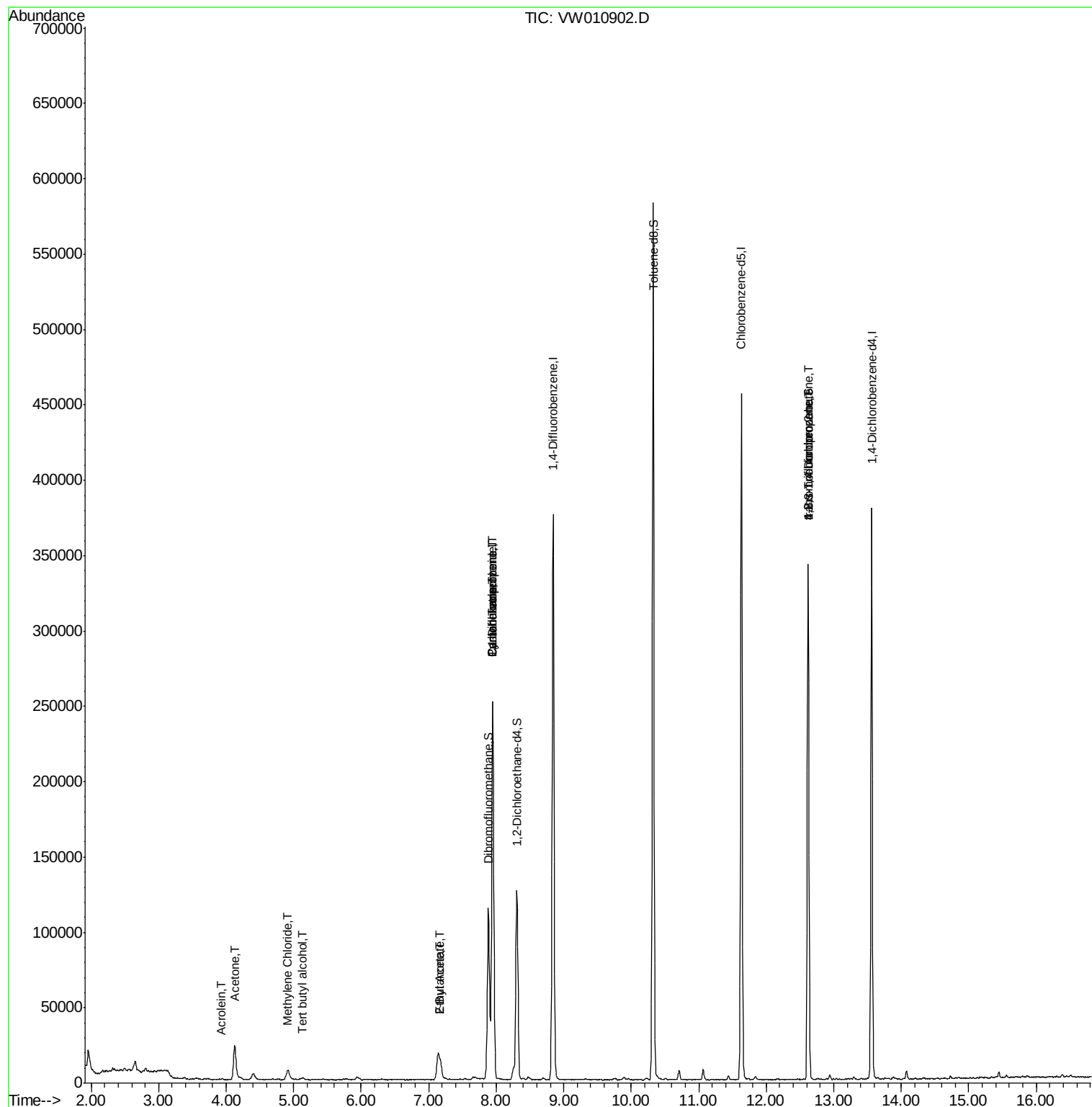
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.13	59	955	5.501	ug/l #	77
13) Acrolein	3.92	56	235	3.313	ug/l #	79
16) Acetone	4.12	43	42392	74.242	ug/l	93
20) Methylene Chloride	4.91	84	4223	2.108	ug/l	90
25) 2-Butanone	7.17	43	16541	20.891	ug/l	96
31) Cyclohexane	7.95	56	4938	1.148	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	16579	5.537	ug/l #	51
37) Ethyl Acetate	7.17	43	16541	9.968	ug/l #	72
38) Carbon Tetrachloride	7.95	117	18887	7.306	ug/l #	17
76) 1,2,3-Trichloropropane	12.62	75	59928	63.833	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	59928	146.710	ug/l #	5

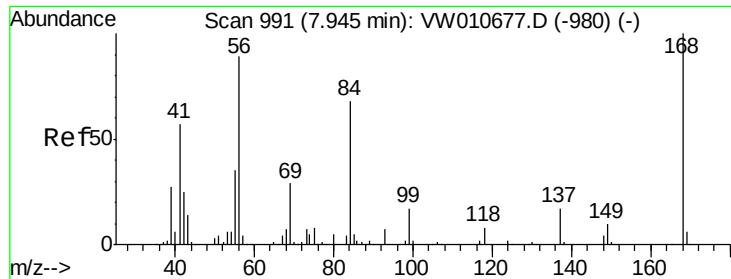
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Jun 05 03:21:19 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.01 min

Lab File: VW010902.D

Acq: 20 Jun 2019 19:56

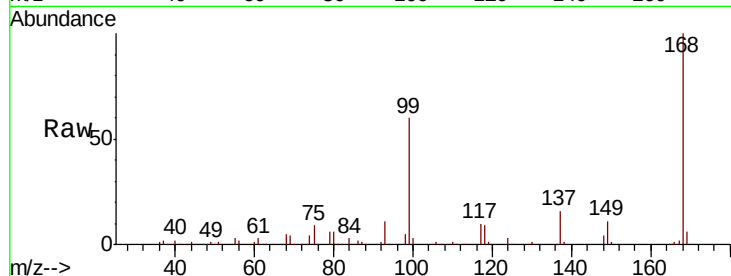
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:168 Resp: 180797

Ion Ratio Lower Upper

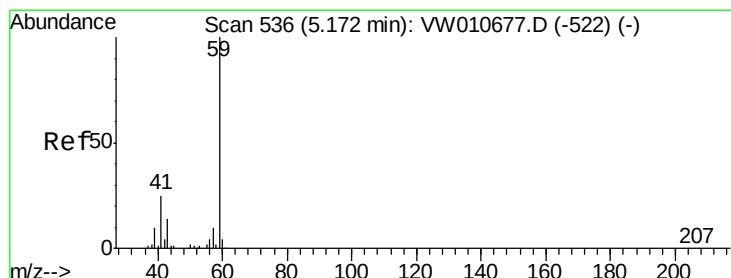
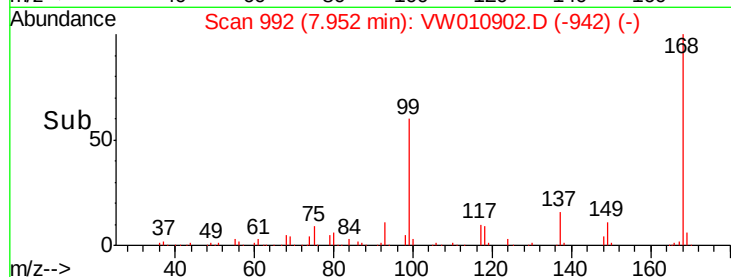
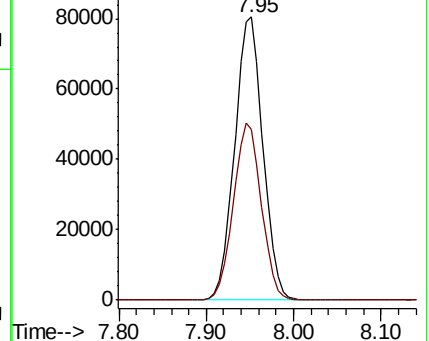
168 100

99 60.5 47.7 71.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: 5.501 ug/l

RT: 5.13 min Scan# 529

Delta R.T. -0.04 min

Lab File: VW010902.D

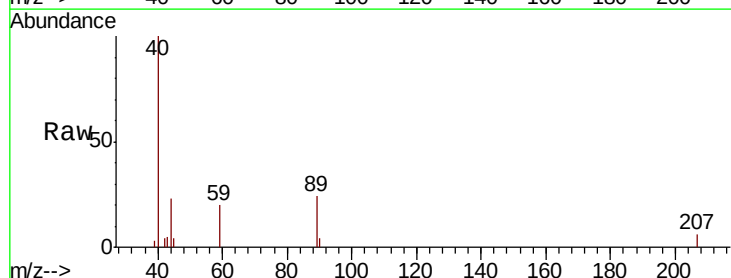
Acq: 20 Jun 2019 19:56

Tgt Ion: 59 Resp: 955

Ion Ratio Lower Upper

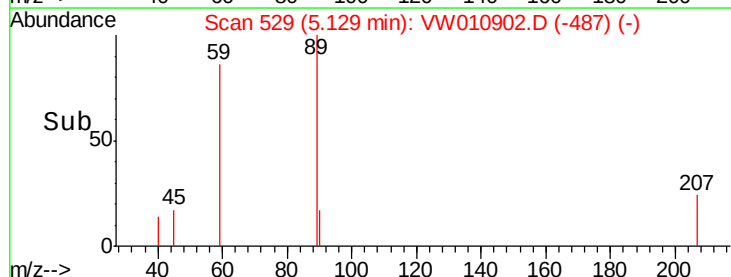
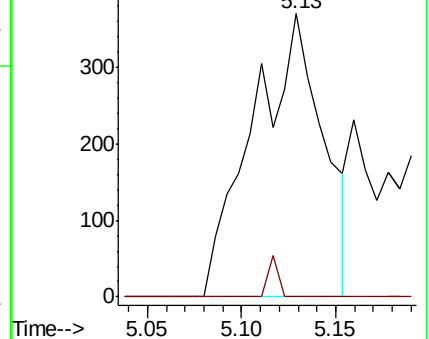
59 100

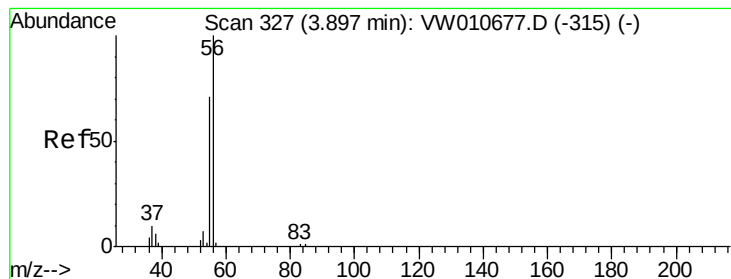
57 2.1 8.6 12.8#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#13

Acrolein

Concen: 3.313 ug/l

RT: 3.92 min Scan# 330

Delta R.T. 0.02 min

Lab File: VW010902.D

Acq: 20 Jun 2019 19:56

Instrument :

MSVOA_W

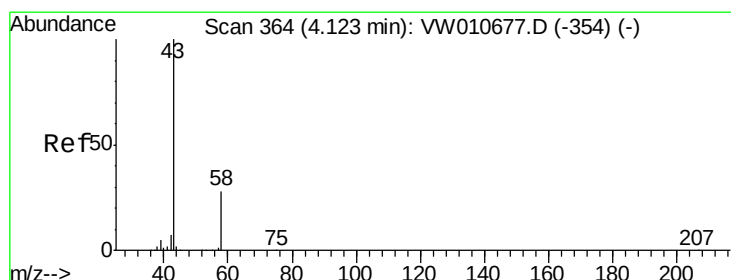
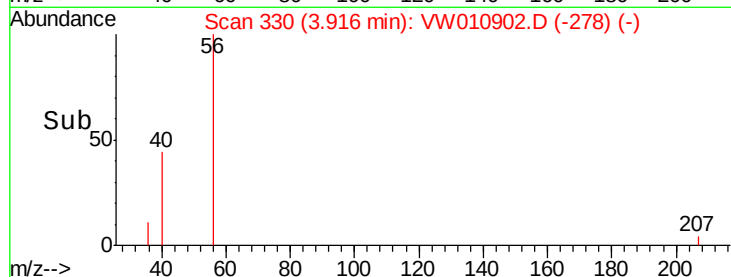
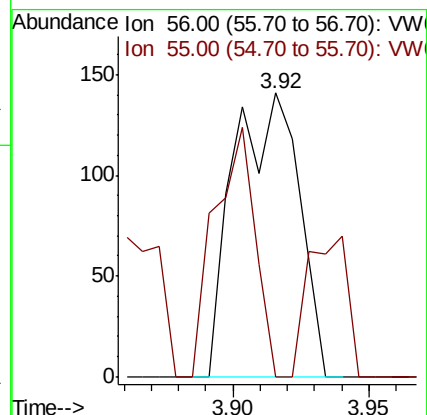
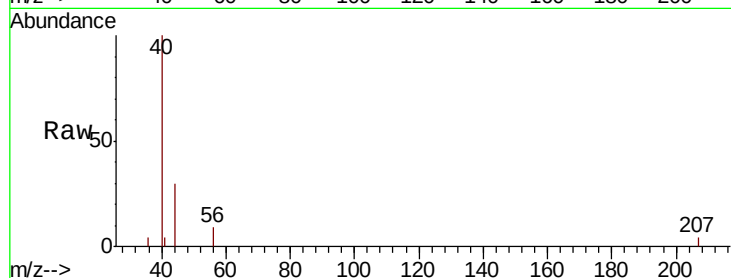
ClientSampleId :

Tot Ion: 56 Resp: 235

Ion Ratio Lower Upper

56 100

55 54.5 57.6 86.4#



#16

Acetone

Concen: 74.242 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.00 min

Lab File: VW010902.D

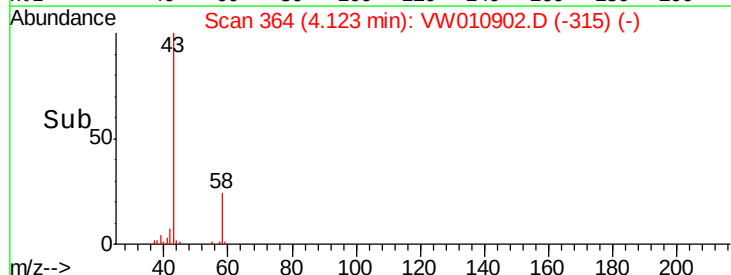
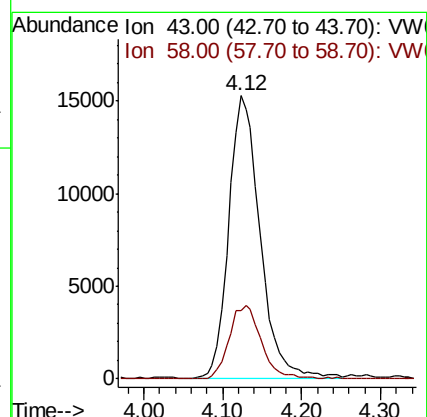
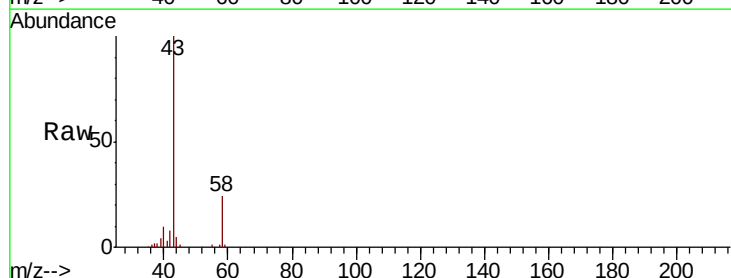
Acq: 20 Jun 2019 19:56

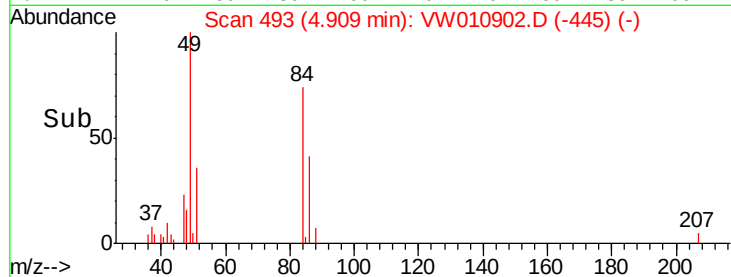
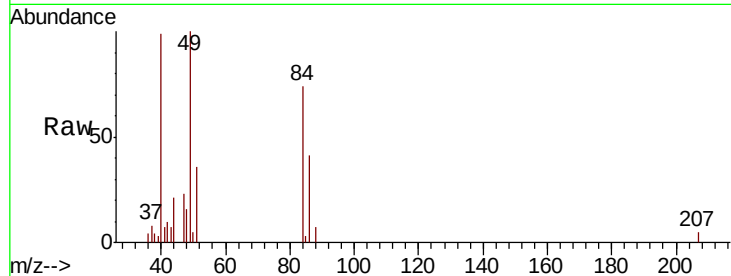
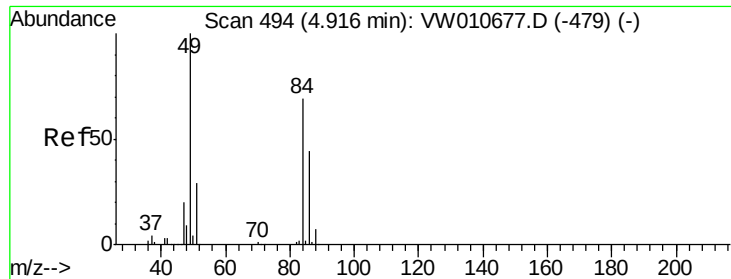
Tgt Ion: 43 Resp: 42392

Ion Ratio Lower Upper

43 100

58 24.1 22.1 33.1

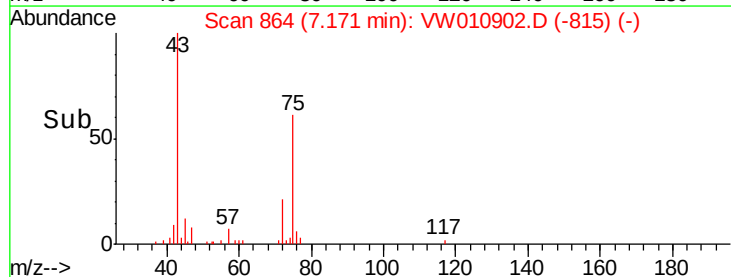
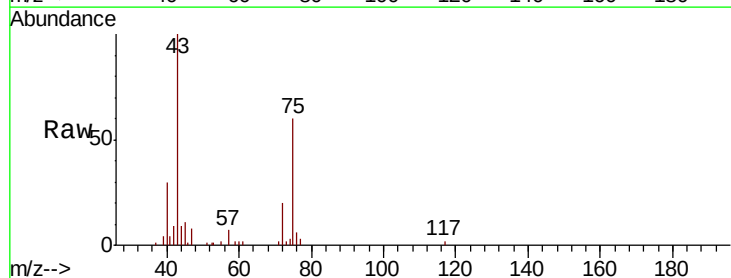
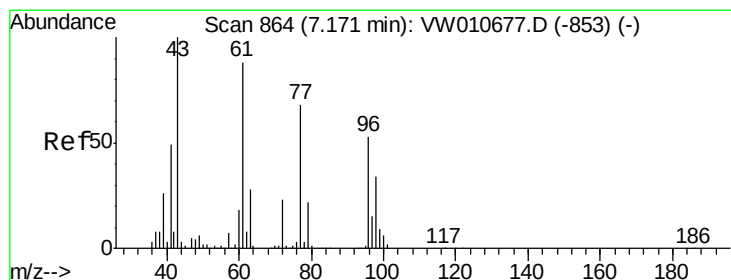
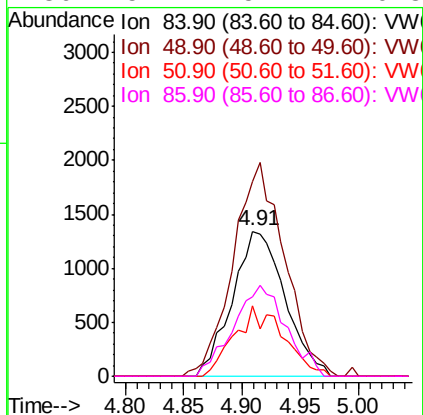




#20
Methylene Chloride
Concen: 2.108 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW010902.D
Acq: 20 Jun 2019 19:56

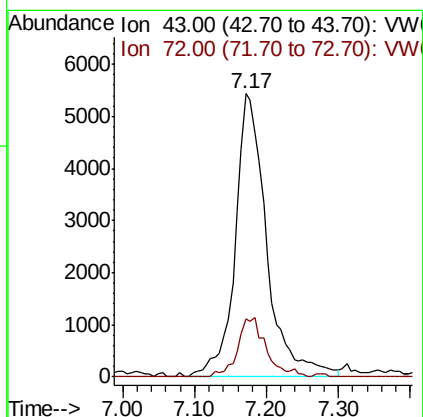
Instrument :
MSVOA_W
ClientSampled :

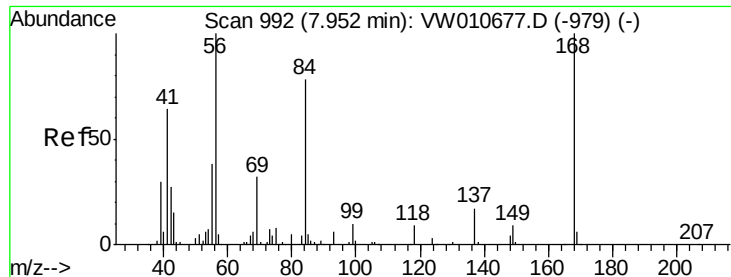
Tot Ion: 84 Resp: 4223
Ion Ratio Lower Upper
84 100
49 134.5 116.7 175.1
51 48.6 34.2 51.2
86 54.7 51.2 76.8



#25
2-Butanone
Concen: 20.891 ug/l
RT: 7.17 min Scan# 864
Delta R.T. 0.00 min
Lab File: VW010902.D
Acq: 20 Jun 2019 19:56

Tgt Ion: 43 Resp: 16541
Ion Ratio Lower Upper
43 100
72 20.5 18.1 27.1

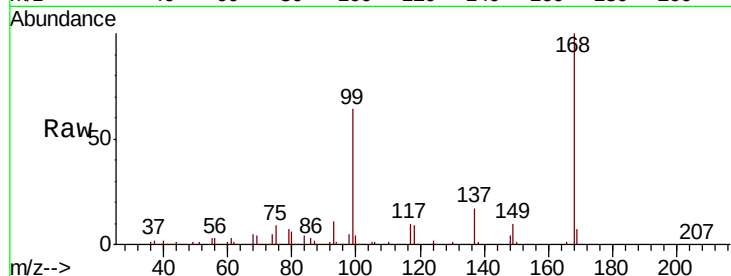




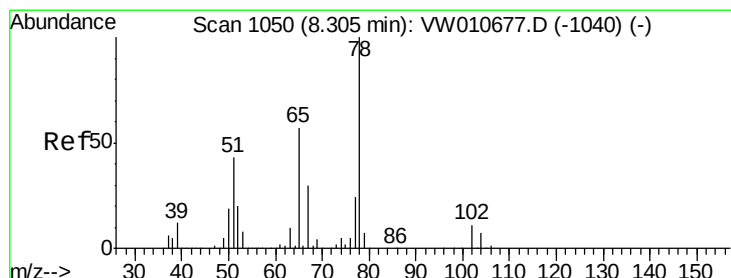
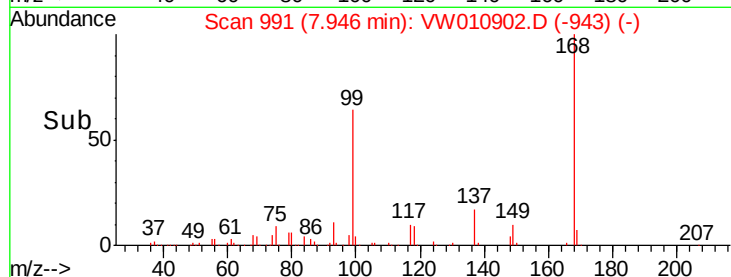
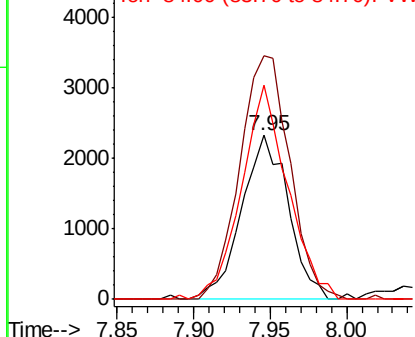
#31
Cyclohexane
Concen: 1.148 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW010902.D
Acq: 20 Jun 2019 19:56

Instrument :
MSVOA_W
ClientSampleId :

Tot Ion: 56 Resp: 4938
Ion Ratio Lower Upper
56 100
69 148.6 25.2 37.8#
84 130.6 62.2 93.2#

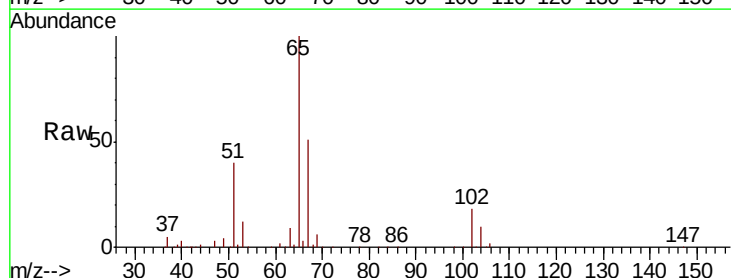


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

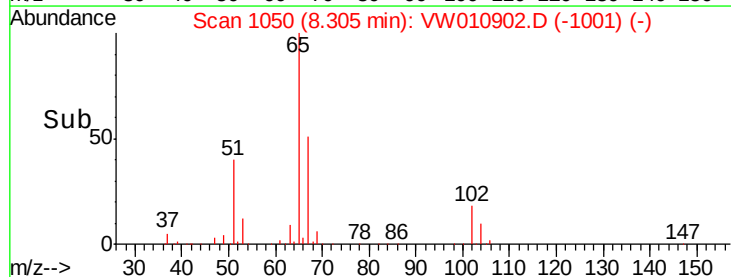
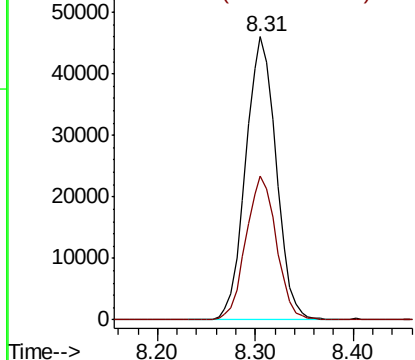


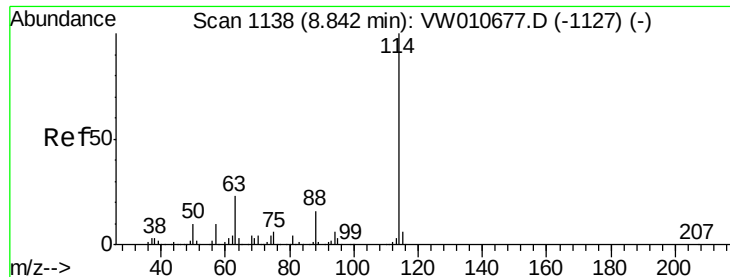
#33
1,2-Dichloroethane-d4
Concen: 46.822 ug/l
RT: 8.31 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VW010902.D
Acq: 20 Jun 2019 19:56

Tgt Ion: 65 Resp: 99777
Ion Ratio Lower Upper
65 100
67 50.8 0.0 102.6



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

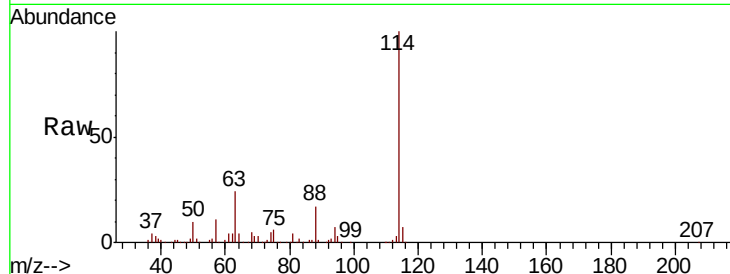




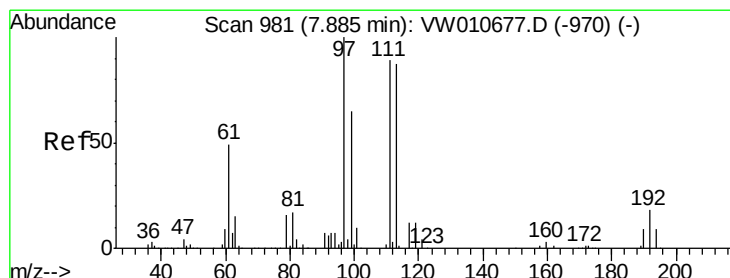
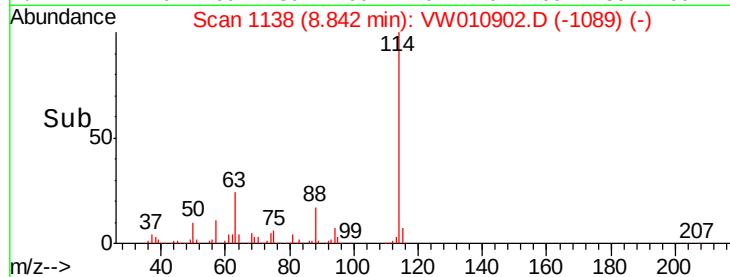
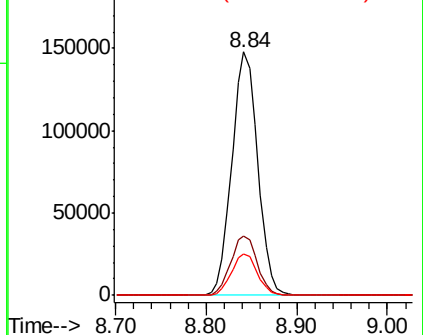
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW010902.D
 Acq: 20 Jun 2019 19:56

Instrument :
 MSVOA_W
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
114	100		
63	24.5	0.0	46.4
88	17.0	0.0	32.2

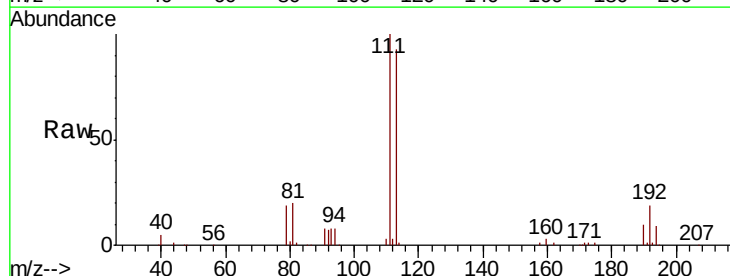


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

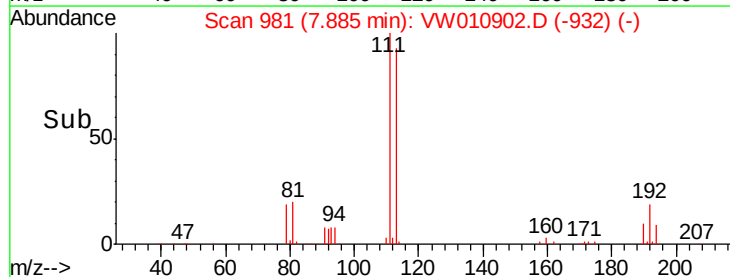
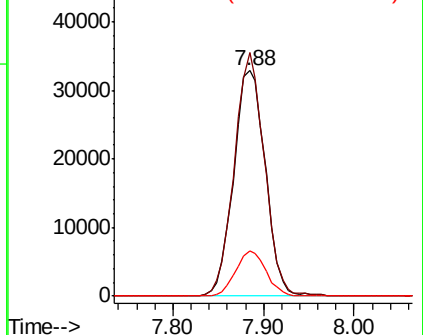


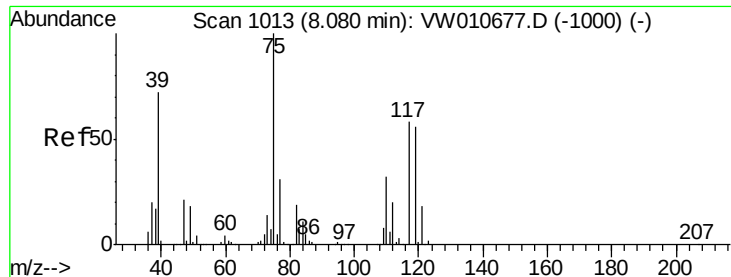
#35
 Dibromofluoromethane
 Concen: 50.385 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW010902.D
 Acq: 20 Jun 2019 19:56

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.3	82.6	123.8
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

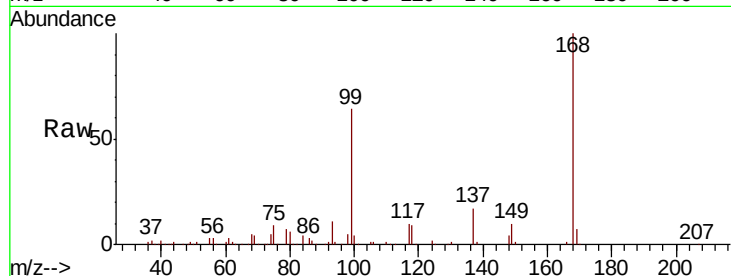




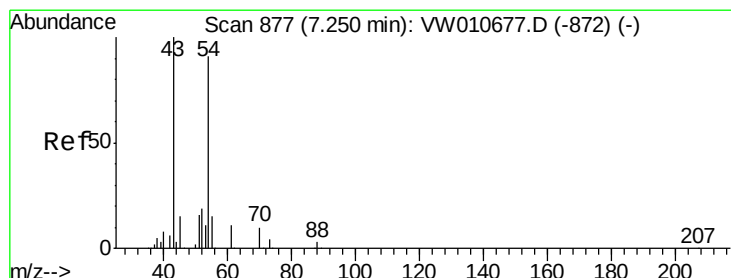
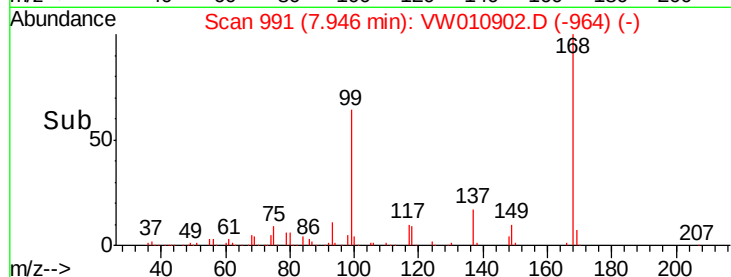
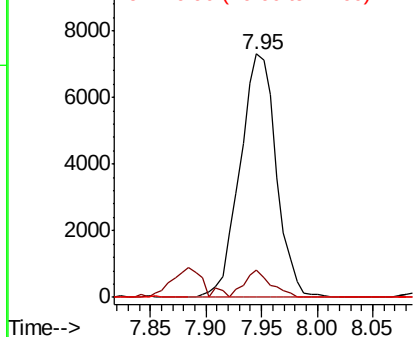
#36
 1,1-Dichloropropene
 Concen: 5.537 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW010902.D
 Acq: 20 Jun 2019 19:56

Instrument :
 MSVOA_W
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
75	100		
110	8.2	15.8	47.3#
77	0.0	24.7	37.1#

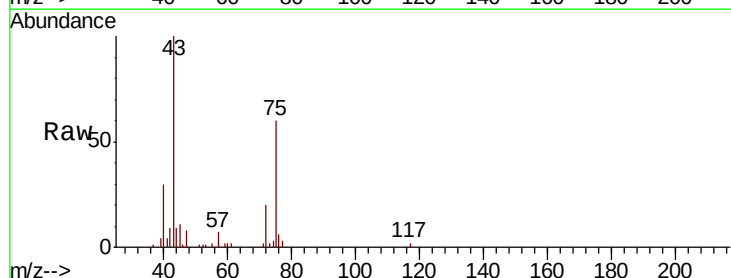


Abundance Ion 74.90 (74.60 to 75.60): VW
 Ion 109.90 (109.60 to 110.60): VW
 Ion 76.90 (76.60 to 77.60): VW

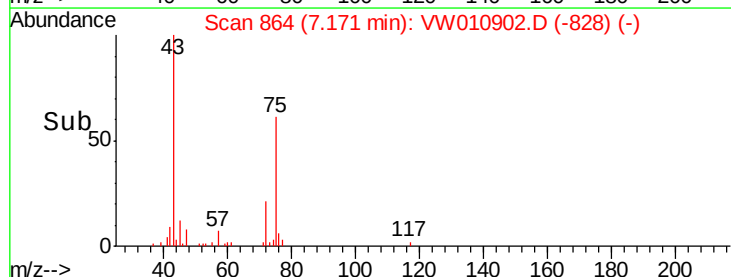
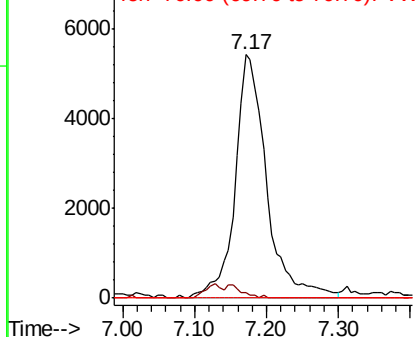


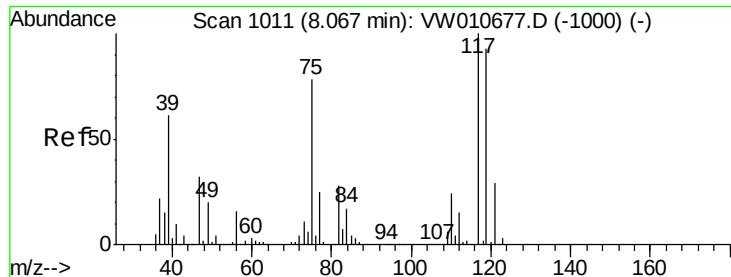
#37
 Ethyl Acetate
 Concen: 9.968 ug/l
 RT: 7.17 min Scan# 864
 Delta R.T. -0.08 min
 Lab File: VW010902.D
 Acq: 20 Jun 2019 19:56

Tgt Ion	Ratio	Lower	Upper
43	100		
61	0.0	9.7	14.5#
70	0.0	7.2	10.8#



Abundance Ion 43.00 (42.70 to 43.70): VW
 Ion 60.90 (60.60 to 61.60): VW
 Ion 70.00 (69.70 to 70.70): VW

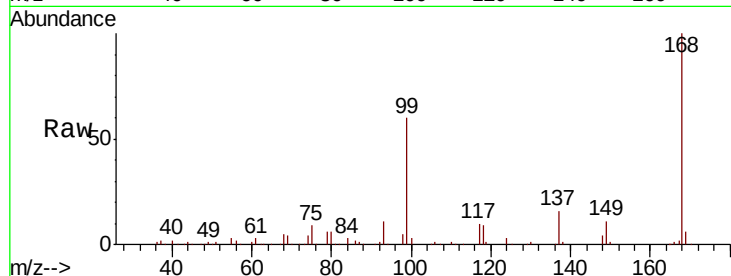




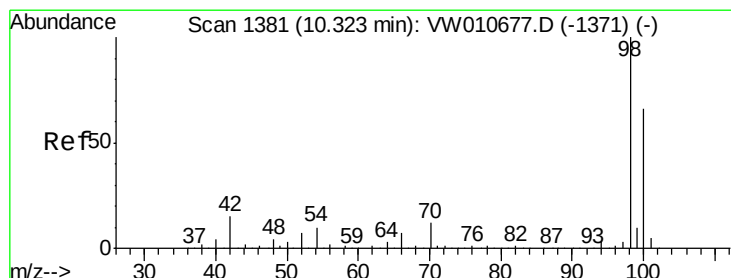
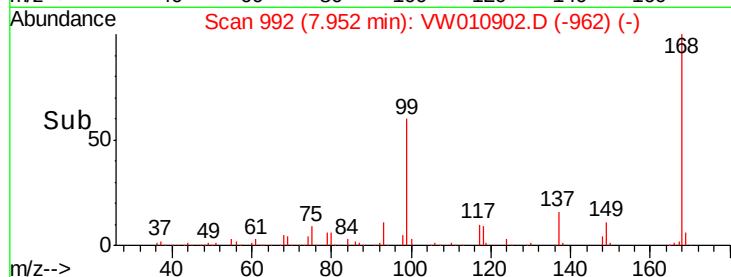
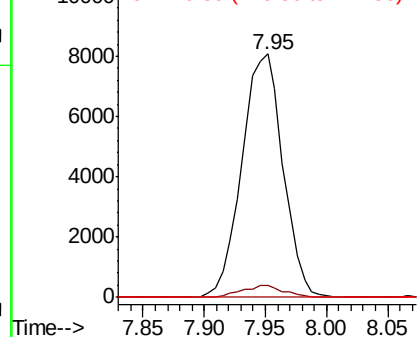
#38
Carbon Tetrachloride
Concen: 7.306 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.12 min
Lab File: VW010902.D
Acq: 20 Jun 2019 19:56

Instrument :
MSVOA_W
ClientSampled :

Tot Ion:117 Resp: 18887
Ion Ratio Lower Upper
117 100
119 5.1 74.2 111.4#
121 0.0 22.9 34.3#

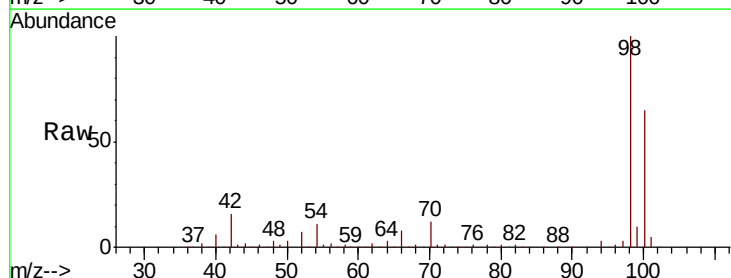


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

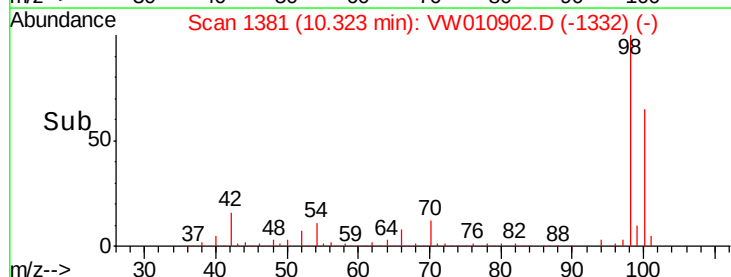
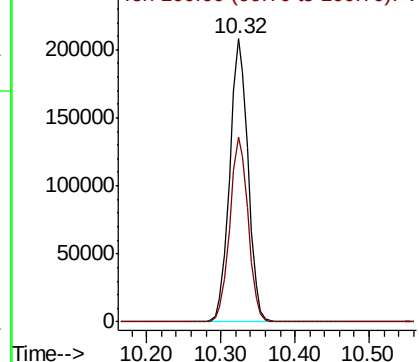


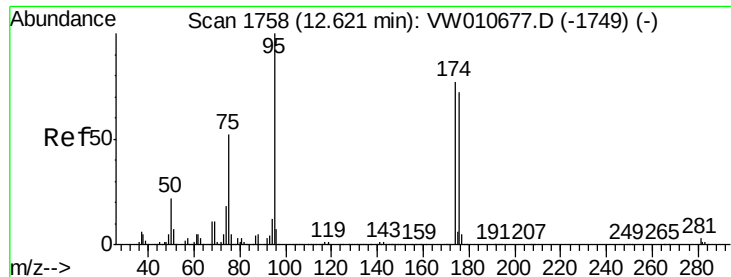
#50
Toluene-d8
Concen: 51.233 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW010902.D
Acq: 20 Jun 2019 19:56

Tgt Ion: 98 Resp: 356726
Ion Ratio Lower Upper
98 100
100 65.6 53.0 79.6



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

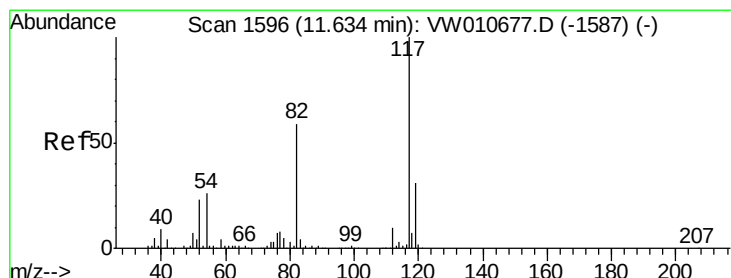
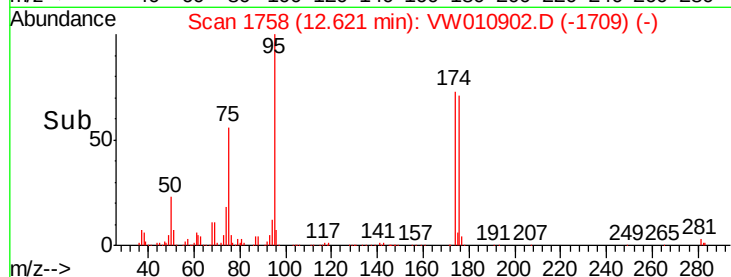
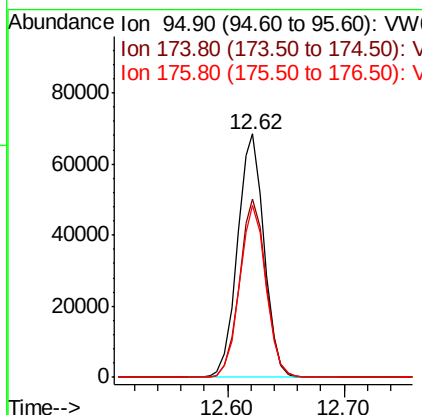
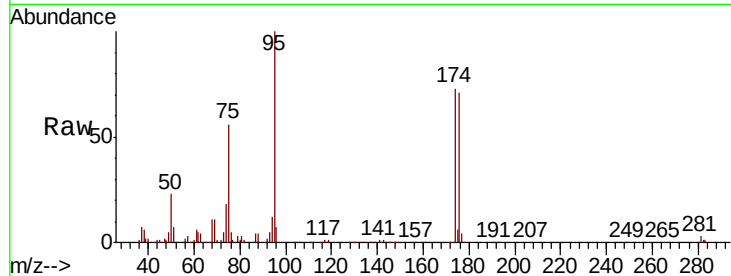




#62
4-Bromofluorobenzene
Concen: 42.879 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.00 min
Lab File: VW010902.D
Acq: 20 Jun 2019 19:56

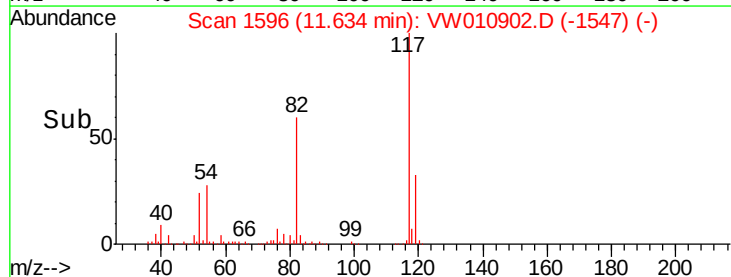
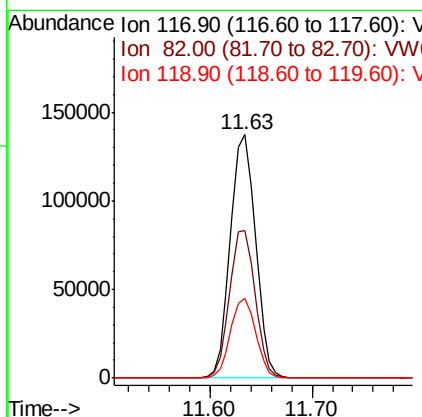
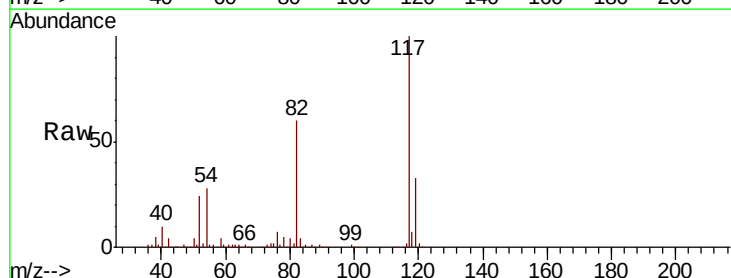
Instrument :
MSVOA_W
ClientSampleId :

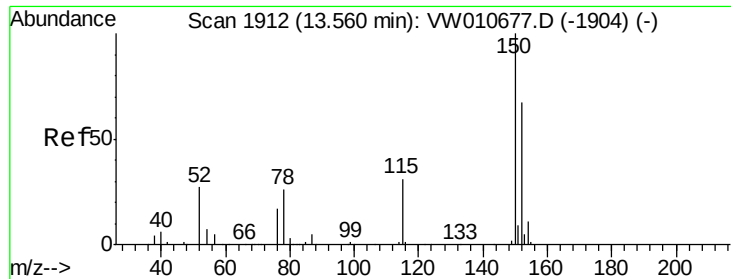
Tot Ion: 95 Resp: 108641
Ion Ratio Lower Upper
95 100
174 73.2 0.0 150.4
176 70.4 0.0 144.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW010902.D
Acq: 20 Jun 2019 19:56

Tgt Ion: 117 Resp: 235902
Ion Ratio Lower Upper
117 100
82 60.4 47.0 70.4
119 32.7 25.1 37.7





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW010902.D

Acq: 20 Jun 2019 19:56

Instrument :

MSVOA_W

ClientSampled :

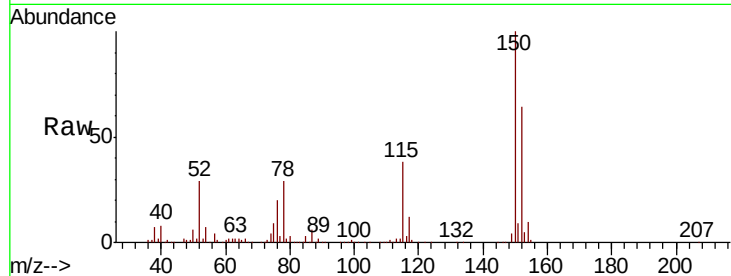
Tot Ion:152 Resp: 89400

Ion Ratio Lower Upper

152 100

115 60.8 29.8 89.3

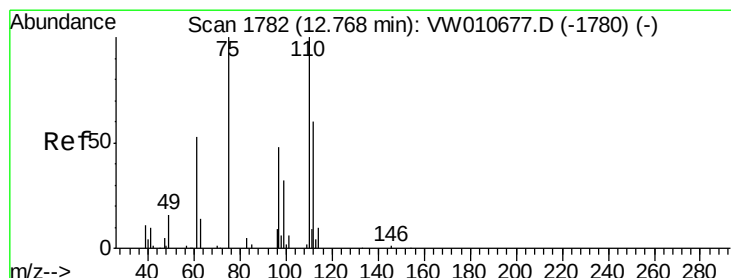
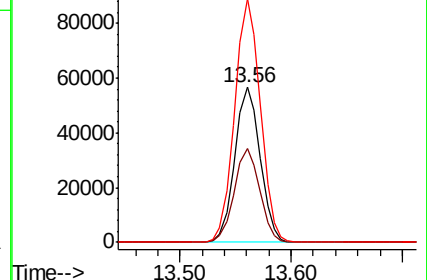
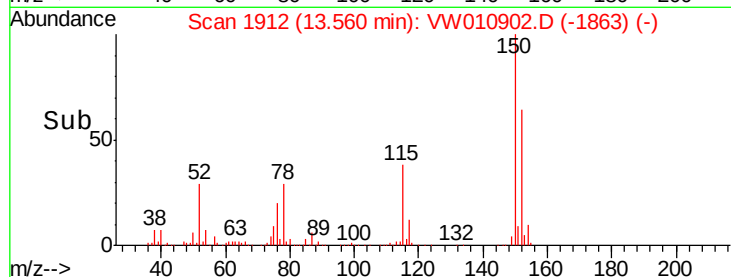
150 158.5 0.0 345.0



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: 63.833 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW010902.D

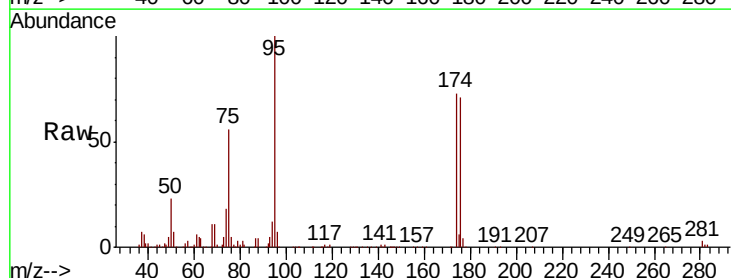
Acq: 20 Jun 2019 19:56

Tgt Ion: 75 Resp: 59928

Ion Ratio Lower Upper

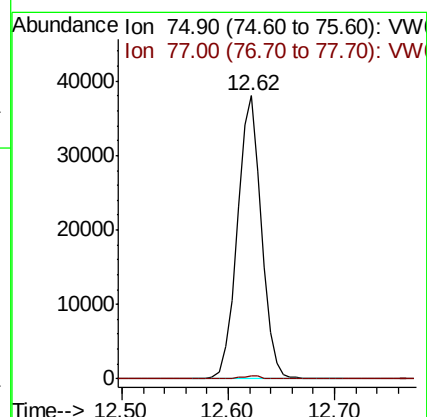
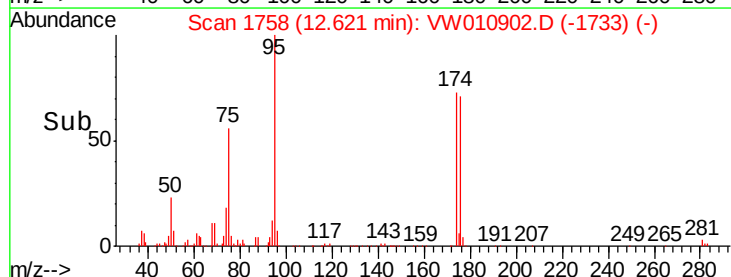
75 100

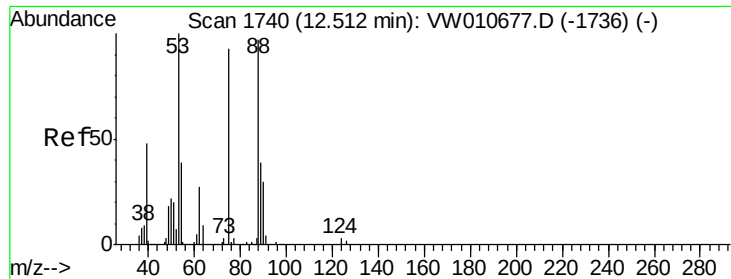
77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#81

trans-1,4-Dichloro-2-butene

Concen: 146.710 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW010902.D

Acq: 20 Jun 2019 19:56

Instrument :

MSVOA_W

ClientSampleId :

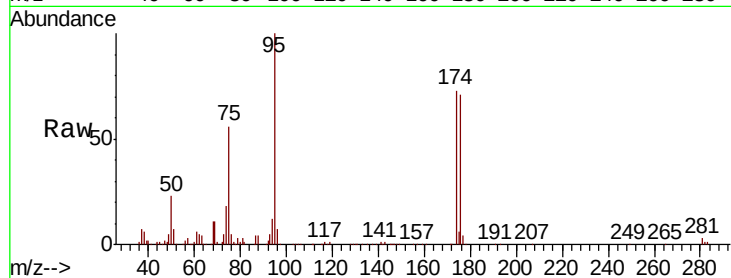
Tot Ion: 75 Resp: 59928

Ion Ratio Lower Upper

75 100

53 0.0 90.1 135.1#

89 0.0 34.6 52.0#



Abundance

Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW

