

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW061419\
 Data File : VW010811.D
 Acq On : 14 Jun 2019 13:48
 Operator : SY/VA
 Sample : K3376-02
 Misc : 5.22G/5ML/MSVOA W/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jun 15 06:01:02 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	237827	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	397005	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	339777	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	142533	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	108119	38.57	ug/l	0.00
Spiked Amount			Recovery	=	77.14%	
35) Dibromofluoromethane	7.89	113	80731	37.46	ug/l	0.00
Spiked Amount			Recovery	=	74.92%	
50) Toluene-d8	10.32	98	314978	33.33	ug/l	0.00
Spiked Amount			Recovery	=	66.66%	
62) 4-Bromofluorobenzene	12.62	95	118711	34.52	ug/l	0.00
Spiked Amount			Recovery	=	69.04%	

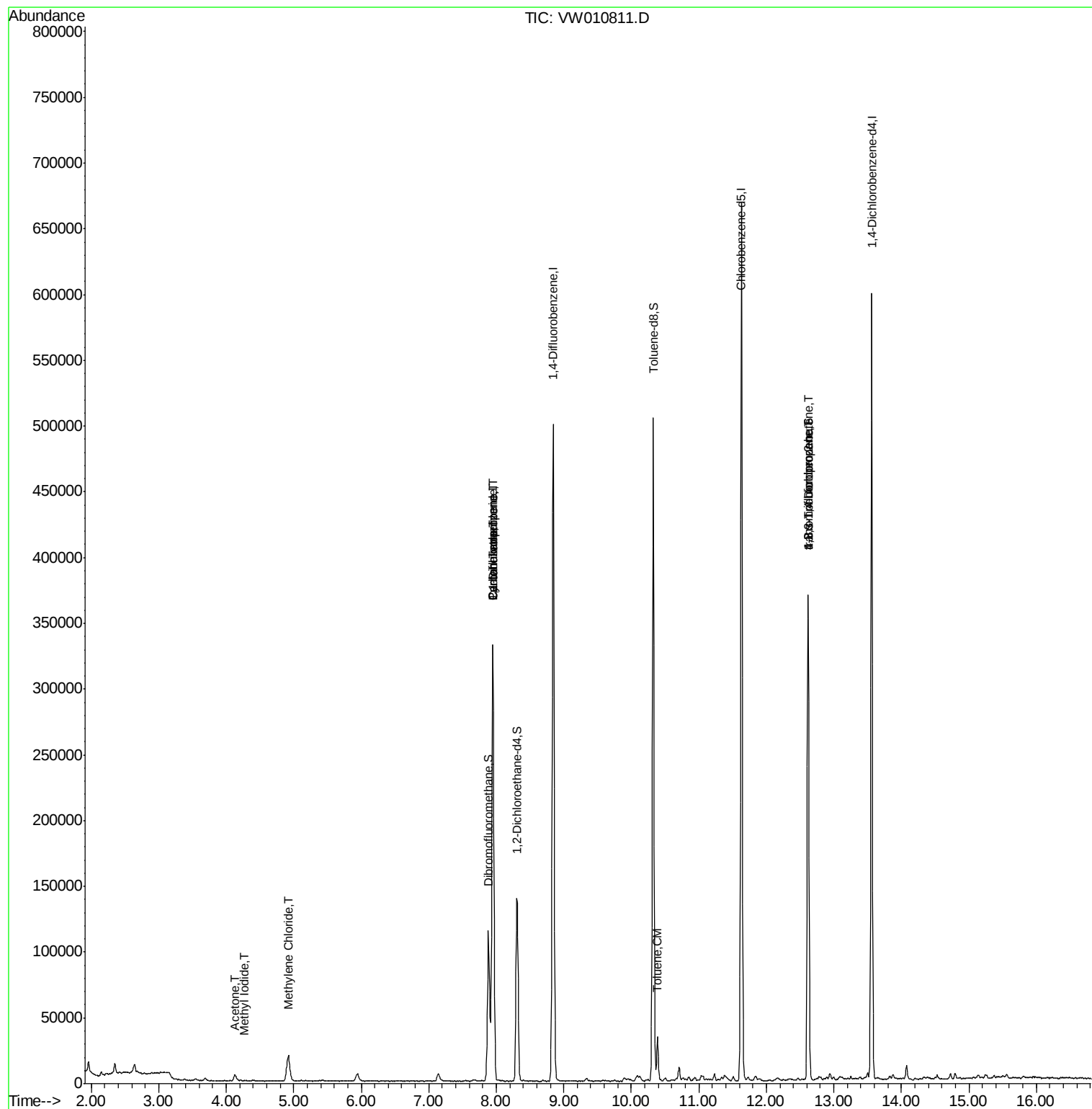
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	4.28	142	272	4.899	ug/l #	41
16) Acetone	4.13	43	9327	12.418	ug/l	100
20) Methylene Chloride	4.92	84	13512	5.128	ug/l #	89
31) Cyclohexane	7.95	56	6624	1.171	ug/l #	8
36) 1,1-Dichloropropene	7.95	75	21046	5.179	ug/l #	51
38) Carbon Tetrachloride	7.95	117	24497	6.983	ug/l #	17
52) Toluene	10.39	92	12975	1.902	ug/l	96
76) 1,2,3-Trichloropropane	12.62	75	65375	43.677	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	65375	100.384	ug/l #	5

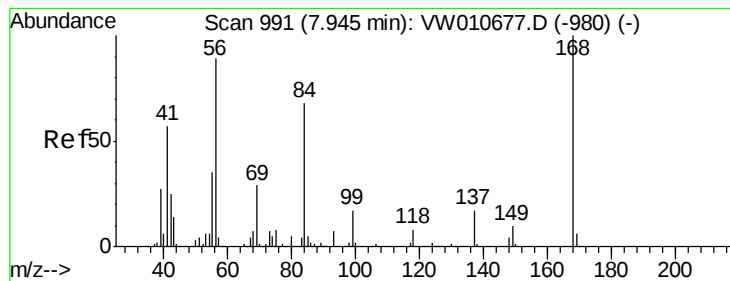
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.01 min

Lab File: VW010811.D

Acq: 14 Jun 2019 13:48

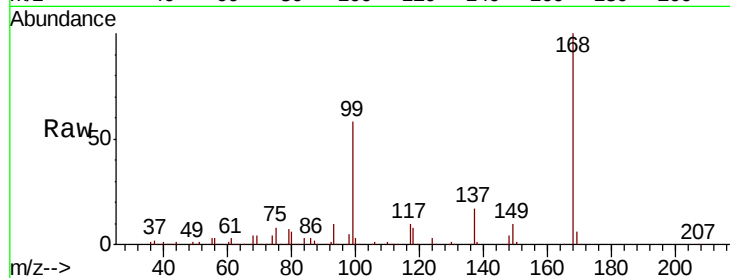
Instrument :
MSVOA_W
ClientSampleId :

Tot Ion:168 Resp: 237827

Ion Ratio Lower Upper

168 100

99 57.6 47.7 71.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

120000

100000

80000

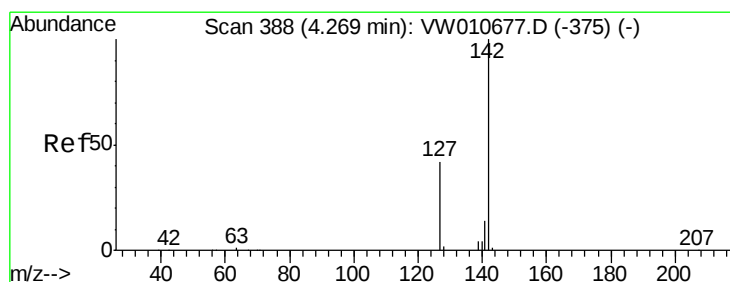
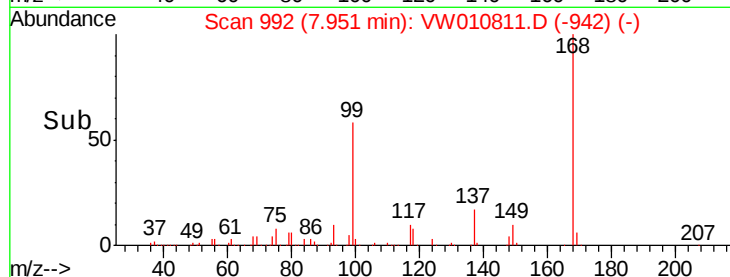
60000

40000

20000

0

Time-->



#10

Methyl Iodide

Concen: 4.899 ug/l

RT: 4.28 min Scan# 389

Delta R.T. 0.01 min

Lab File: VW010811.D

Acq: 14 Jun 2019 13:48

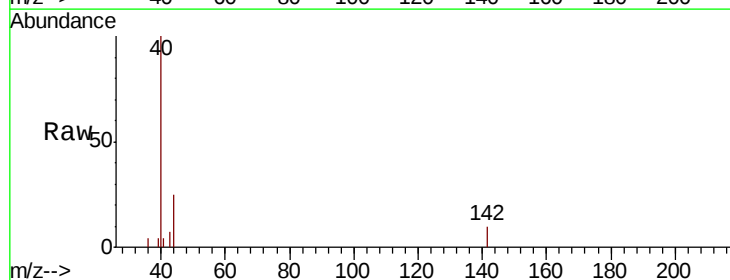
Tgt Ion:142 Resp: 272

Ion Ratio Lower Upper

142 100

127 0.0 34.6 51.8#

141 0.0 11.6 17.4#



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

200

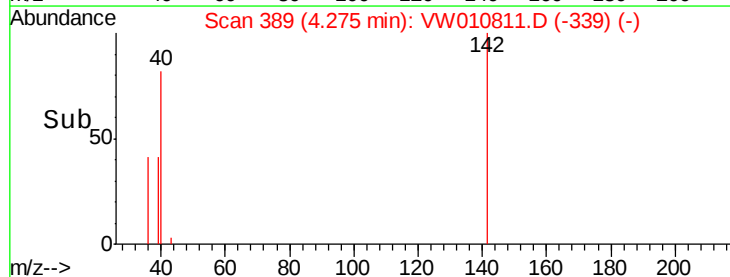
150

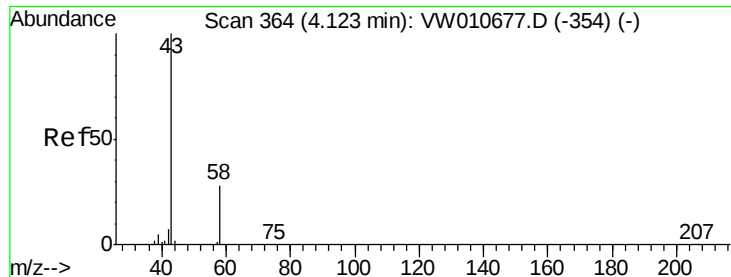
100

50

0

Time-->





#16

Acetone

Concen: 12.418 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW010811.D

Acq: 14 Jun 2019 13:48

Instrument :

MSVOA_W

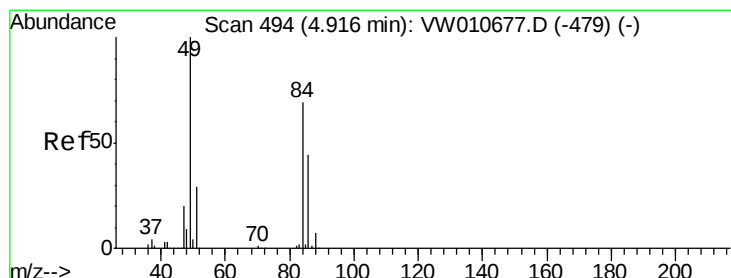
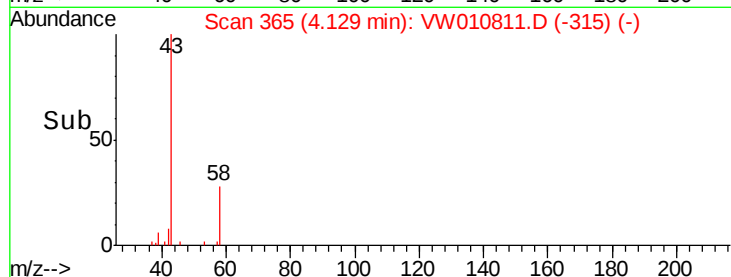
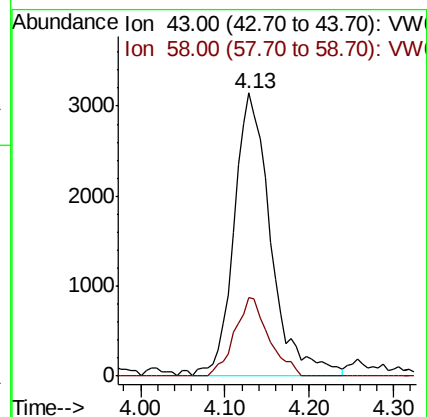
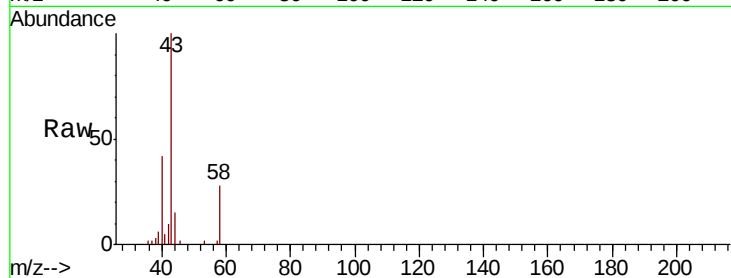
ClientSampleId :

Tot Ion: 43 Resp: 9327

Ion Ratio Lower Upper

43 100

58 27.7 22.1 33.1



#20

Methylene Chloride

Concen: 5.128 ug/l

RT: 4.92 min Scan# 495

Delta R.T. 0.01 min

Lab File: VW010811.D

Acq: 14 Jun 2019 13:48

Tgt Ion: 84 Resp: 13512

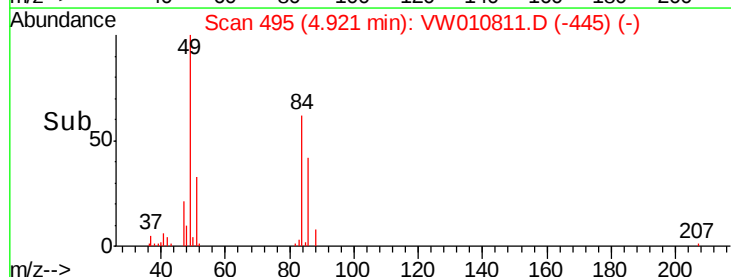
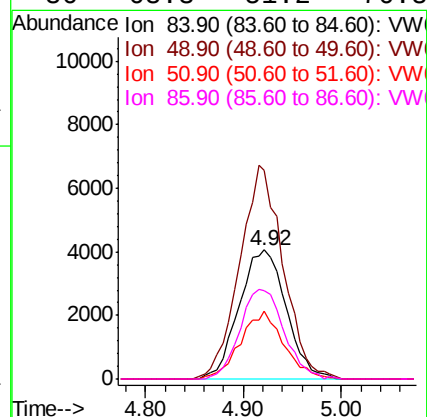
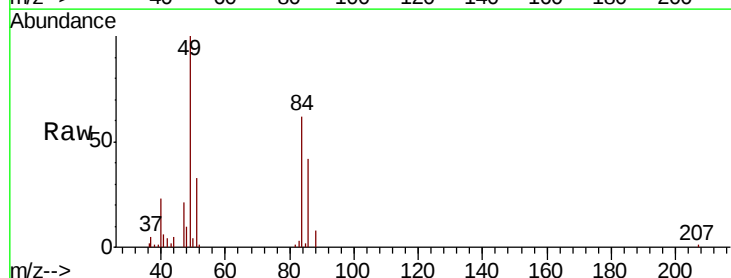
Ion Ratio Lower Upper

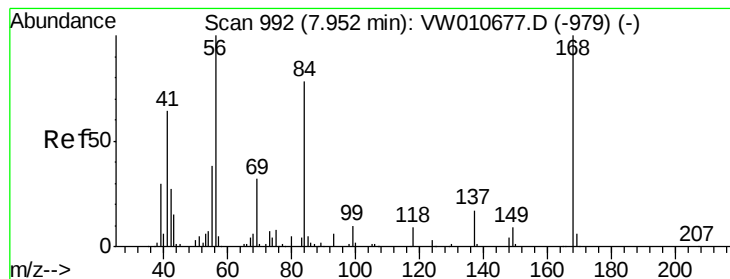
84 100

49 161.9 116.7 175.1

51 52.8 34.2 51.2#

86 68.3 51.2 76.8





#31

Cyclohexane

Concen: 1.171 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

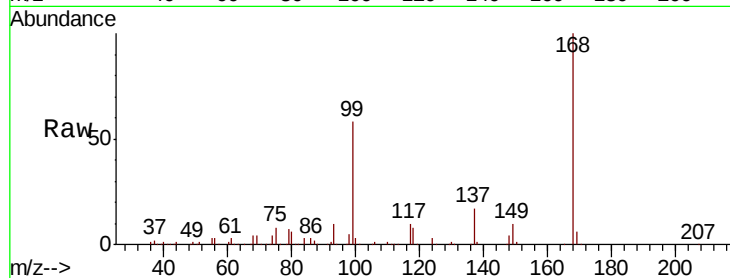
Lab File: VW010811.D

Acq: 14 Jun 2019 13:48

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 56 Resp: 6624

Ion	Ratio	Lower	Upper
56	100		
69	145.0	25.2	37.8#
84	118.2	62.2	93.2#

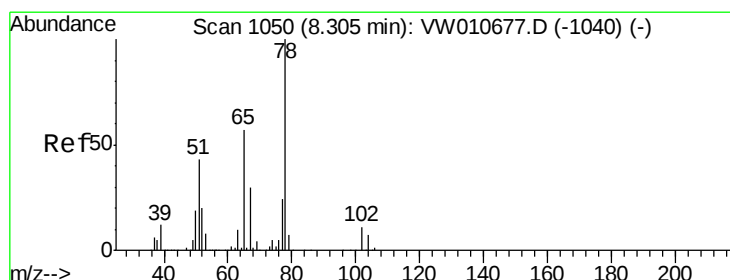
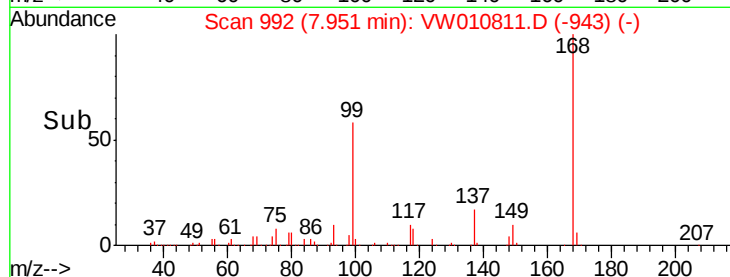
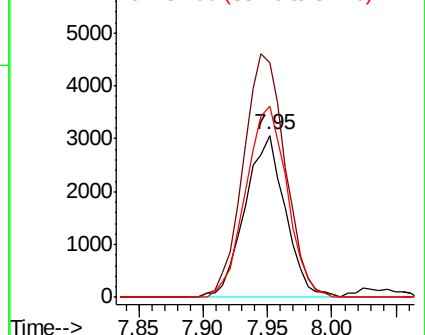


Abundance

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: 38.570 ug/l

RT: 8.31 min Scan# 1050

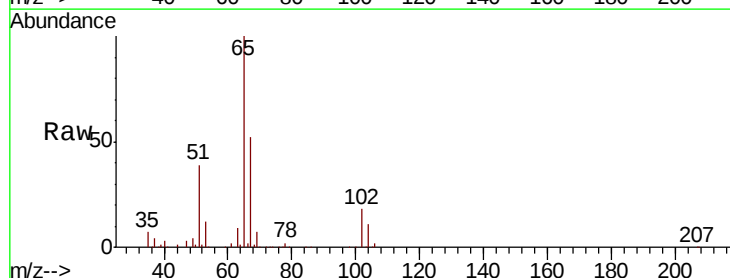
Delta R.T. -0.00 min

Lab File: VW010811.D

Acq: 14 Jun 2019 13:48

Tgt Ion: 65 Resp: 108119

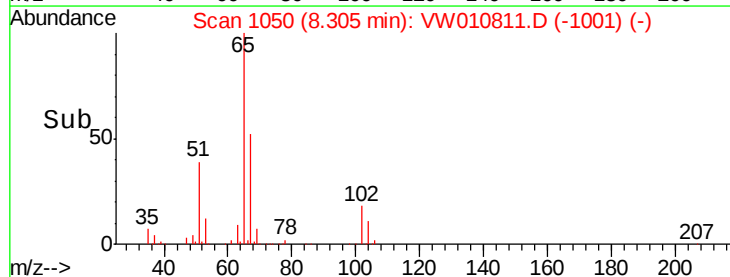
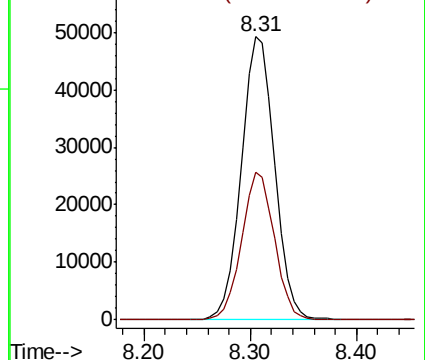
Ion	Ratio	Lower	Upper
65	100		
67	51.5	0.0	102.6

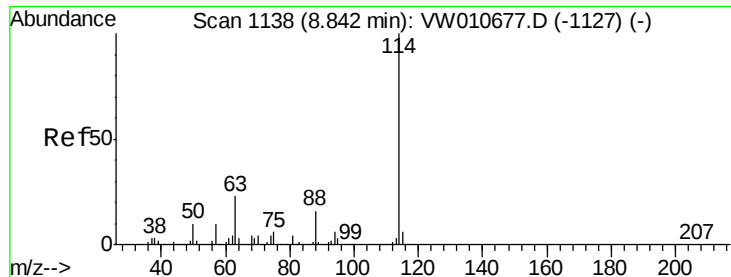


Abundance

Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW

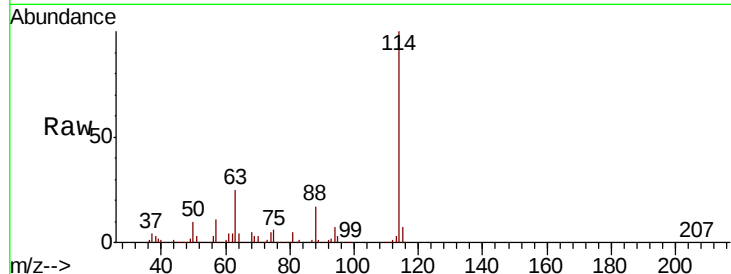




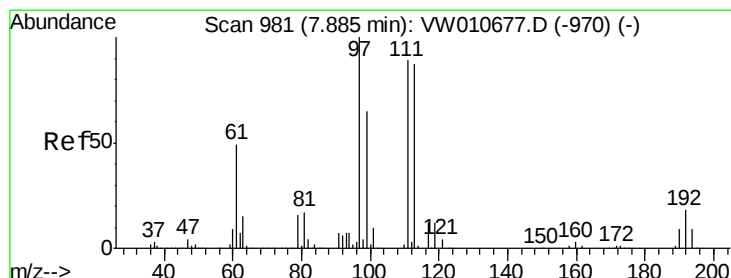
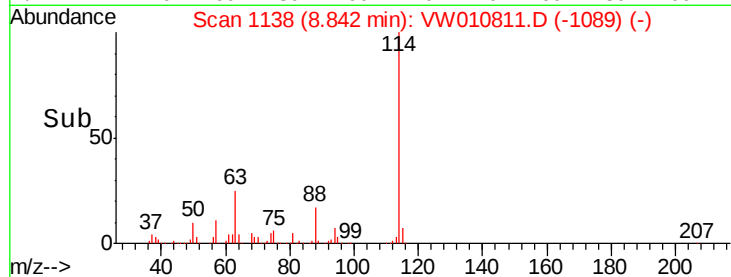
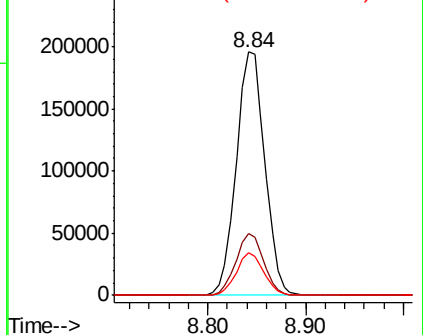
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.84 min Scan# 1138
Delta R.T. -0.00 min
Lab File: VW010811.D
Acq: 14 Jun 2019 13:48

Instrument :
MSVOA_W
ClientSampled :

Tot Ion	Ratio	Lower	Upper
114	100		
63	25.4	0.0	46.4
88	17.5	0.0	32.2

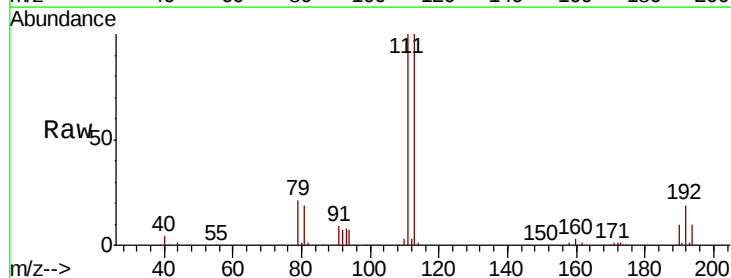


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VW
Ion 87.90 (87.60 to 88.60): VW

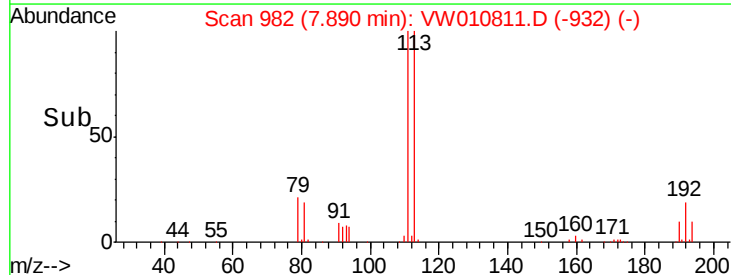
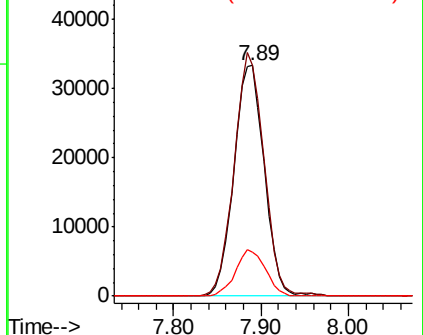


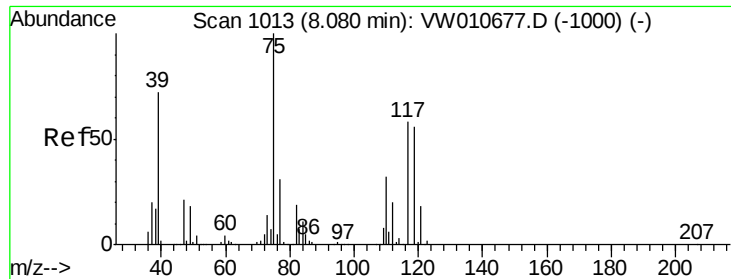
#35
Dibromofluoromethane
Concen: 37.465 ug/l
RT: 7.89 min Scan# 982
Delta R.T. 0.01 min
Lab File: VW010811.D
Acq: 14 Jun 2019 13:48

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.4	82.6	123.8
192	19.8	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

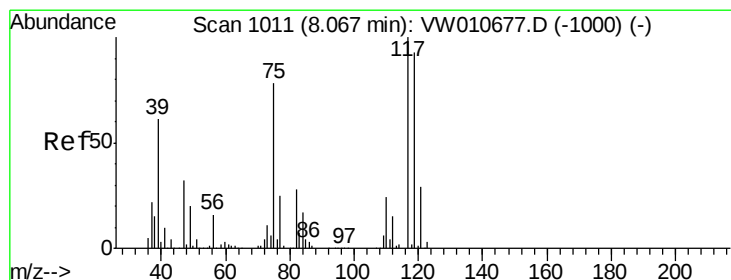
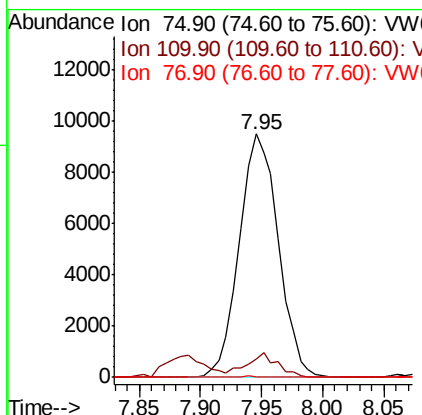
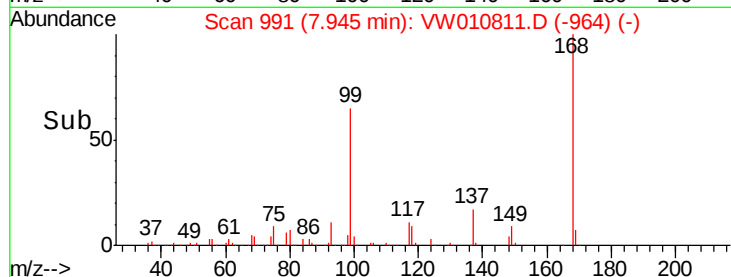
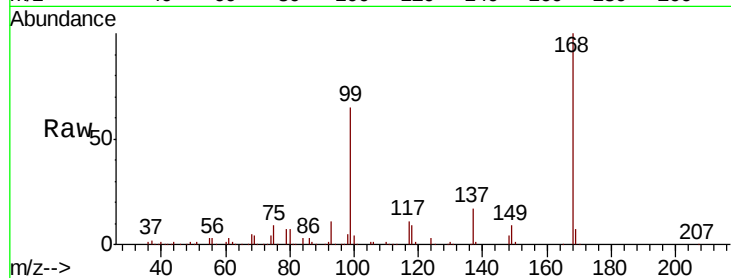




#36
 1,1-Dichloropropene
 Concen: 5.179 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW010811.D
 Acq: 14 Jun 2019 13:48

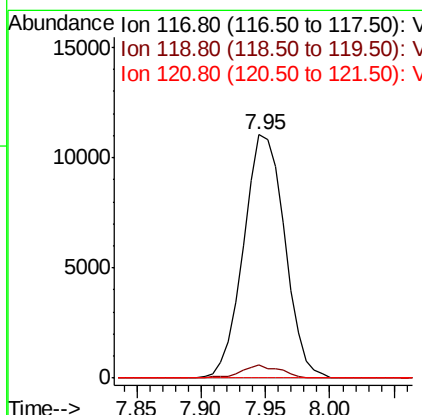
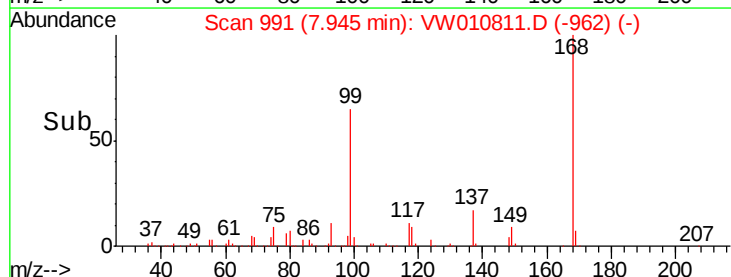
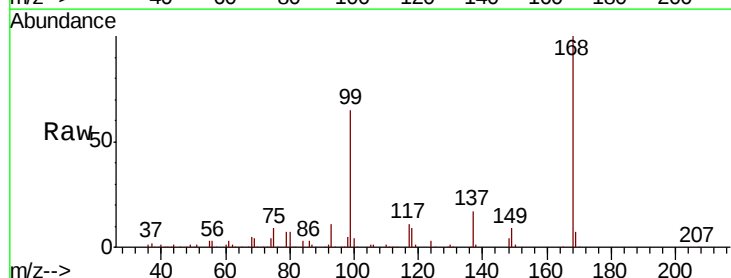
Instrument :
 MSVOA_W
 ClientSampled :

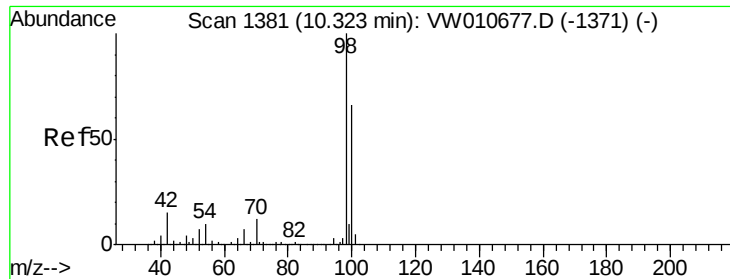
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.1	15.8	47.3#
77	0.0	24.7	37.1#



#38
 Carbon Tetrachloride
 Concen: 6.983 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW010811.D
 Acq: 14 Jun 2019 13:48

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.3	74.2	111.4#
121	0.0	22.9	34.3#





#50

Toluene-d8

Concen: 33.333 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW010811.D

Acq: 14 Jun 2019 13:48

Instrument :

MSVOA_W

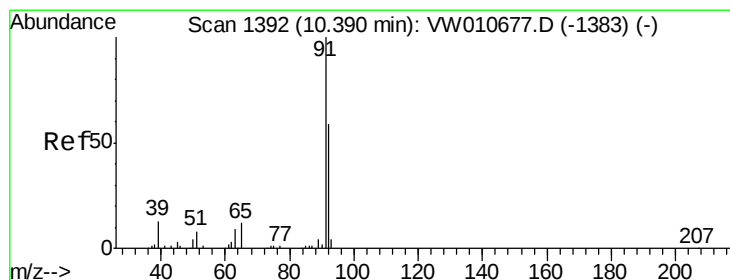
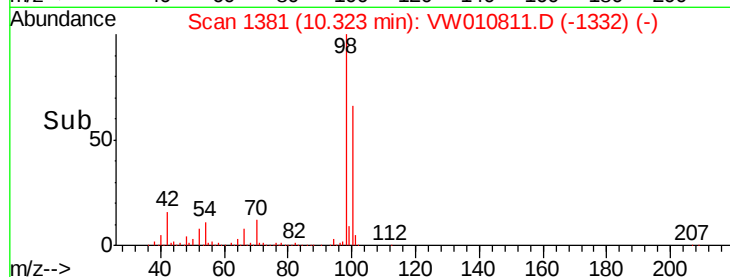
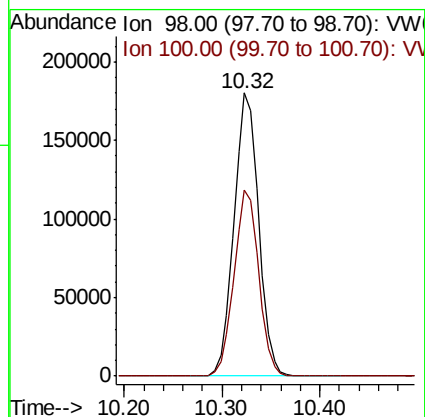
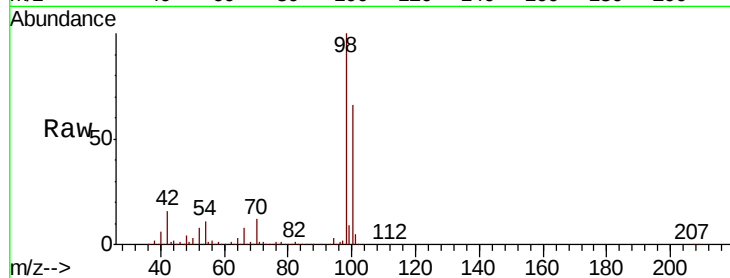
ClientSampleId :

Tot Ion: 98 Resp: 314978

Ion Ratio Lower Upper

98 100

100 65.8 53.0 79.6



#52

Toluene

Concen: 1.902 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW010811.D

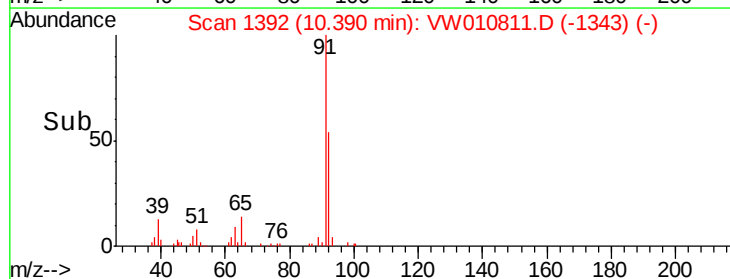
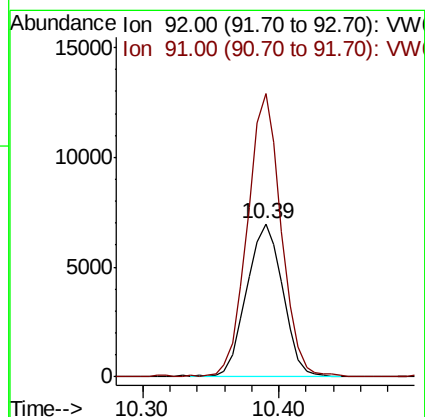
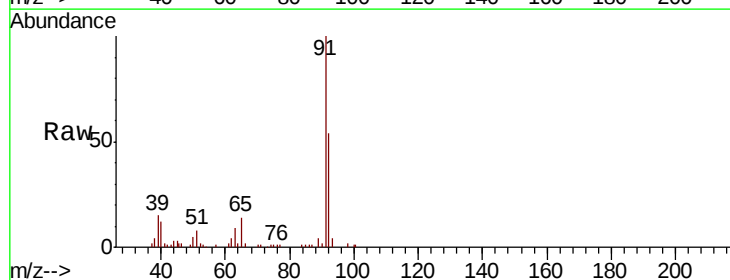
Acq: 14 Jun 2019 13:48

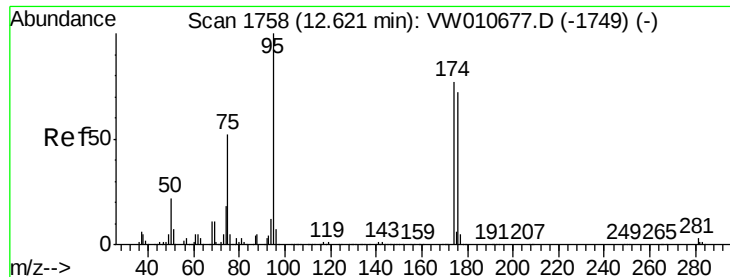
Tgt Ion: 92 Resp: 12975

Ion Ratio Lower Upper

92 100

91 173.7 134.9 202.3

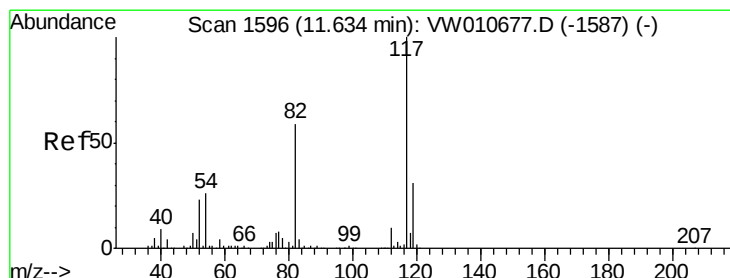
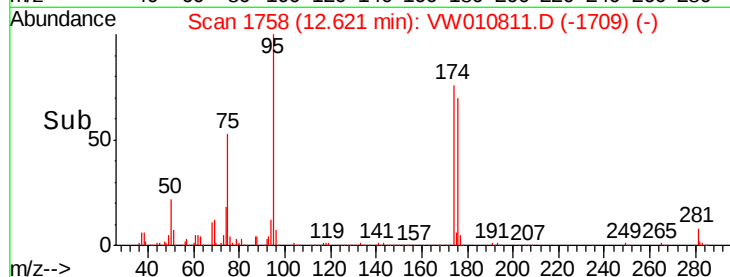
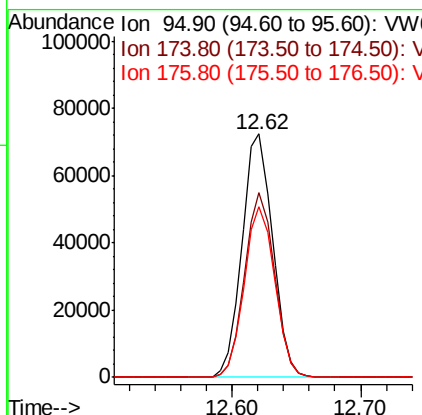
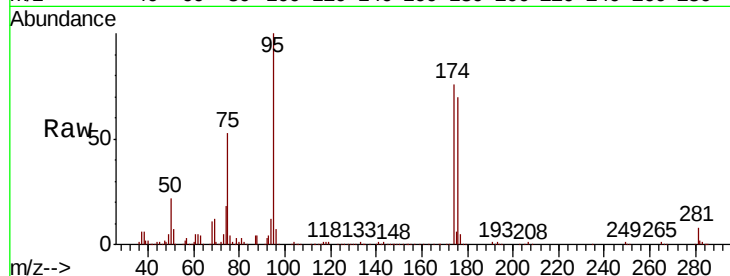




#62
4-Bromofluorobenzene
Concen: 34.524 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.00 min
Lab File: VW010811.D
Acq: 14 Jun 2019 13:48

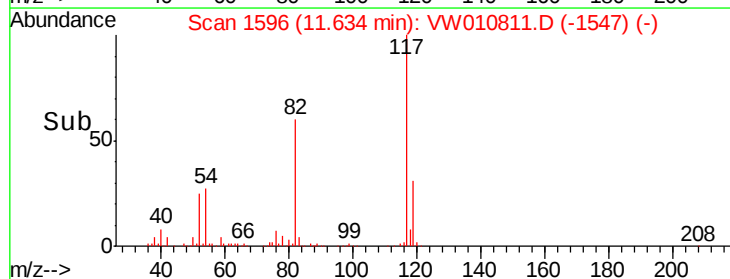
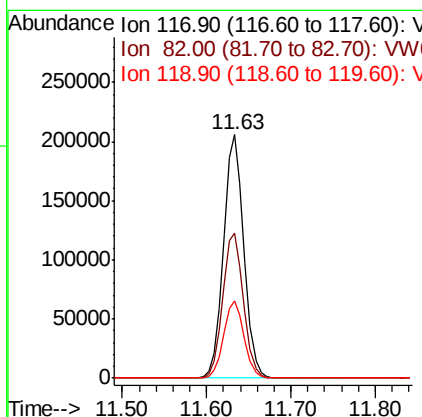
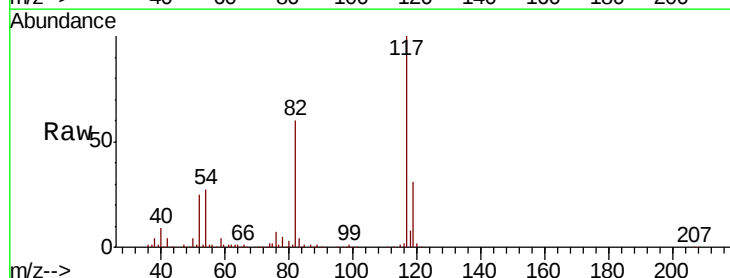
Instrument :
MSVOA_W
ClientSampleId :

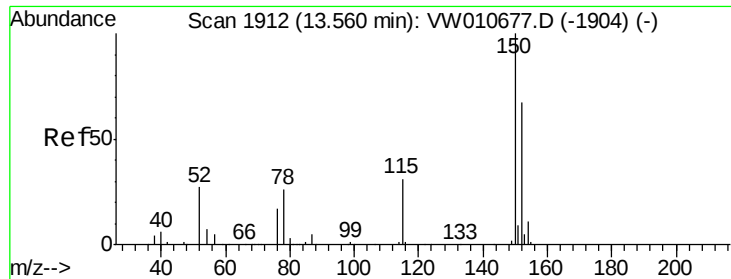
Tot Ion	Ratio	Lower	Upper
95	100		
174	74.5	0.0	150.4
176	70.1	0.0	144.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW010811.D
Acq: 14 Jun 2019 13:48

Tgt Ion	Ratio	Lower	Upper
117	100		
82	59.6	47.0	70.4
119	31.5	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: VW010811.D

Acq: 14 Jun 2019 13:48

Instrument :

MSVOA_W

ClientSampleId :

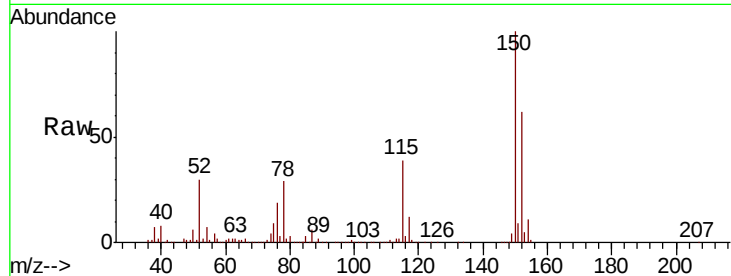
Tot Ion:152 Resp: 142533

Ion Ratio Lower Upper

152 100

115 60.7 29.8 89.3

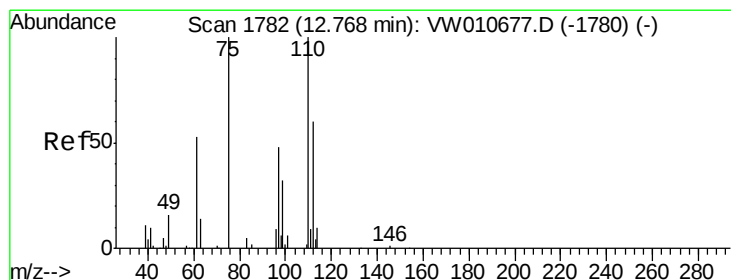
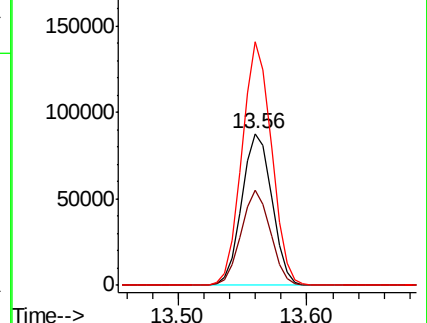
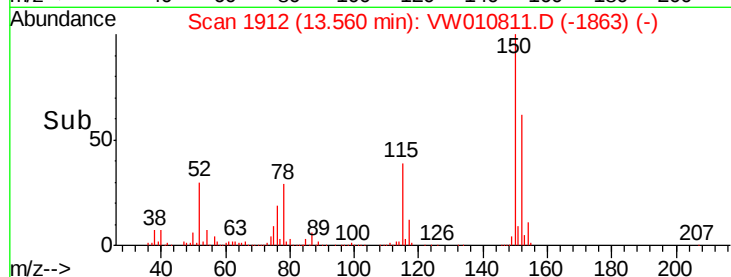
150 156.5 0.0 345.0



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: 43.677 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW010811.D

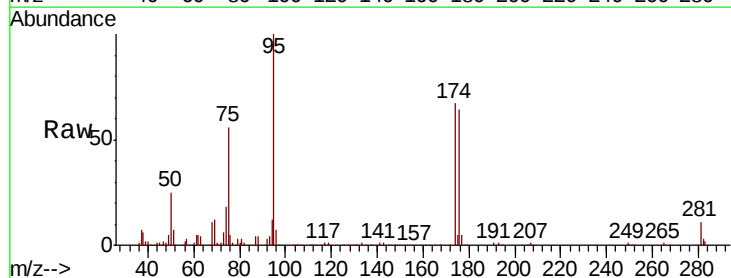
Acq: 14 Jun 2019 13:48

Tgt Ion: 75 Resp: 65375

Ion Ratio Lower Upper

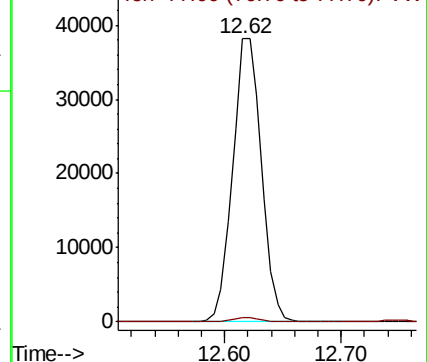
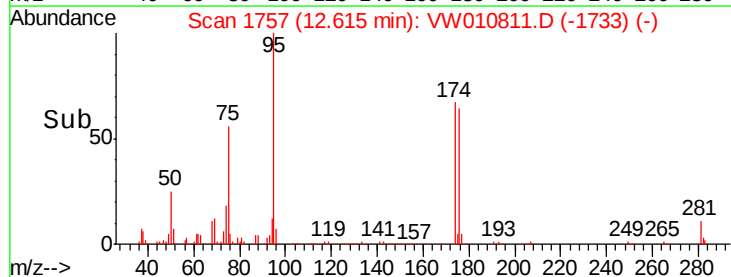
75 100

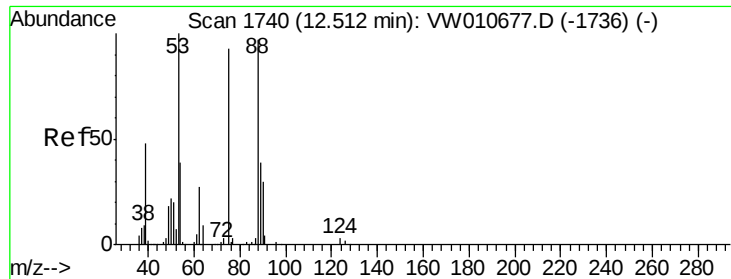
77 1.5 0.0 0.0#



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: 100.384 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW010811.D

Acq: 14 Jun 2019 13:48

Instrument :

MSVOA_W

ClientSampleId :

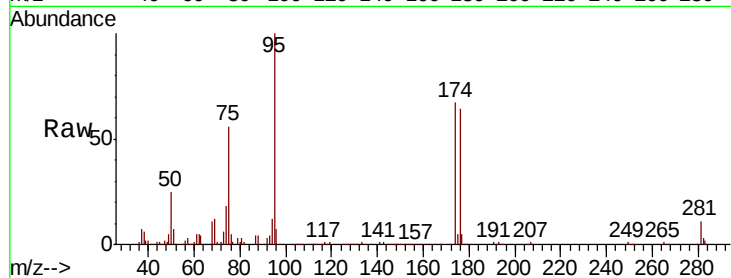
Tot Ion: 75 Resp: 65375

Ion Ratio Lower Upper

75 100

53 0.1 90.1 135.1#

89 0.1 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

