

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW061319\
 Data File : VW010803.D
 Acq On : 13 Jun 2019 17:44
 Operator : SY/VA
 Sample : K3369-08RE
 Misc : 4.81G/5ML/MSVOA W/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Jun 14 07:58:18 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	230322	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	384579	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	336881	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	157333	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	97464	35.90	ug/l	0.00
Spiked Amount			Recovery	=	71.80%	
35) Dibromofluoromethane	7.88	113	73549	35.23	ug/l	0.00
Spiked Amount			Recovery	=	70.46%	
50) Toluene-d8	10.32	98	294488	32.17	ug/l	0.00
Spiked Amount			Recovery	=	64.34%	
62) 4-Bromofluorobenzene	12.62	95	116378	34.94	ug/l	0.00
Spiked Amount			Recovery	=	69.88%	

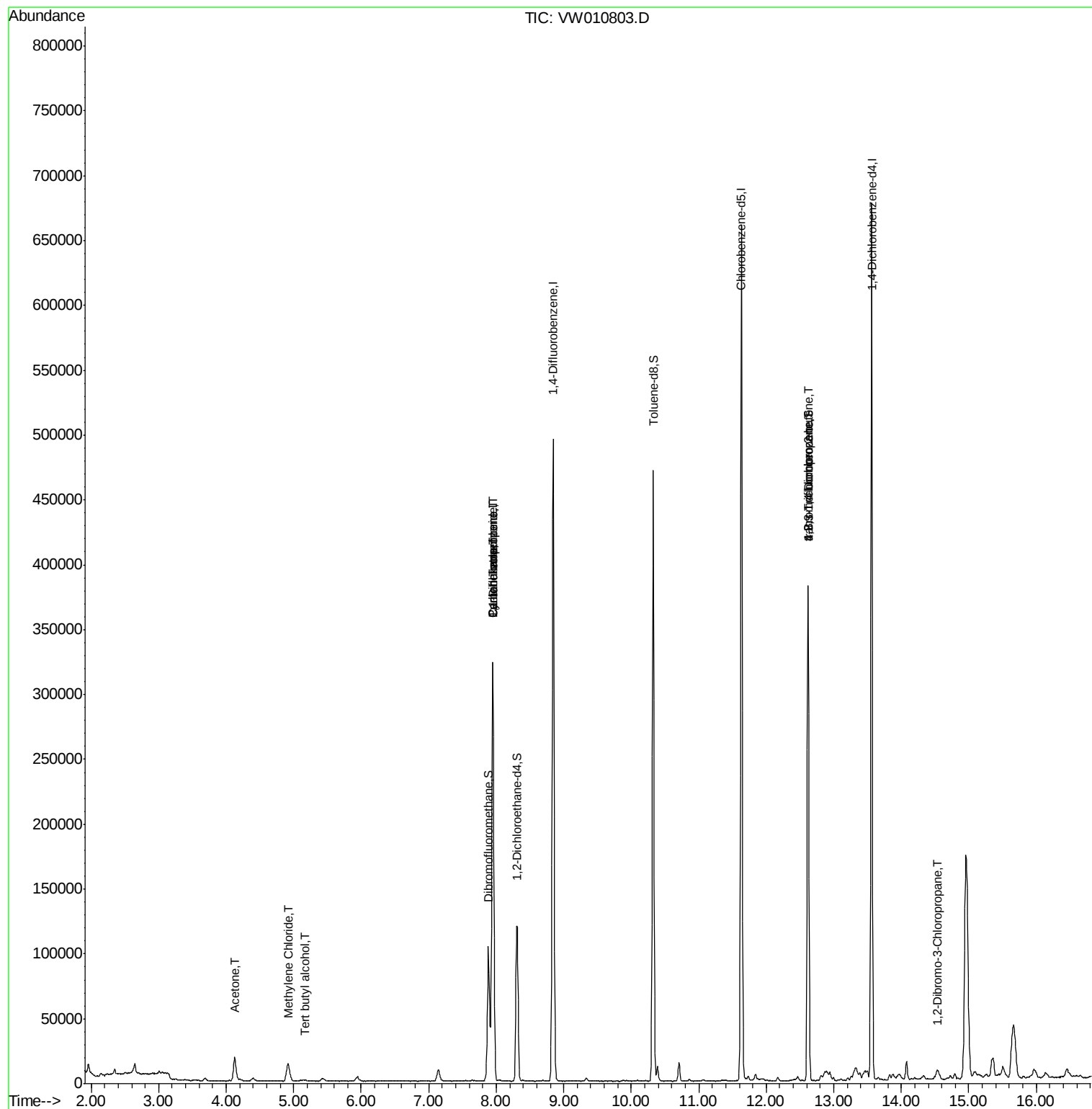
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.18	59	1839	8.315	ug/l #	75
16) Acetone	4.12	43	32937	45.280	ug/l	99
20) Methylene Chloride	4.91	84	9583	3.755	ug/l	94
31) Cyclohexane	7.95	56	6729	1.228	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	20528	5.215	ug/l #	51
38) Carbon Tetrachloride	7.95	117	23929	7.041	ug/l #	16
76) 1,2,3-Trichloropropane	12.62	75	64151	38.827	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	64151	89.238	ug/l #	5
92) 1,2-Dibromo-3-Chloropropan	14.54	75	570	1.475	ug/l #	6

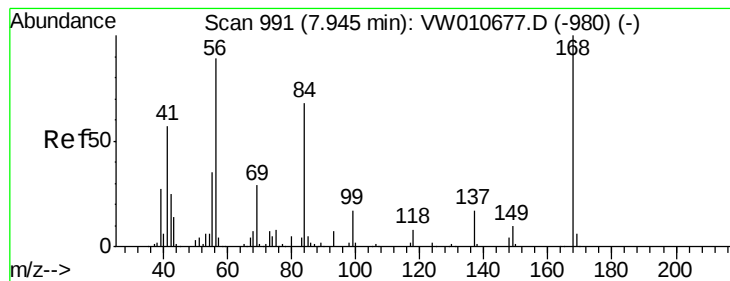
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW010803.D

Acq: 13 Jun 2019 17:44

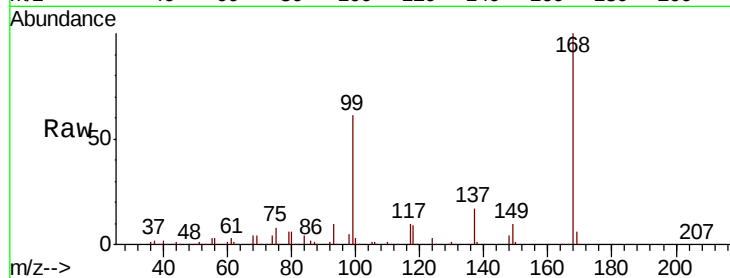
Instrument :
MSVOA_W
ClientSampled :

Tot Ion:168 Resp: 230322

Ion Ratio Lower Upper

168 100

99 61.0 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

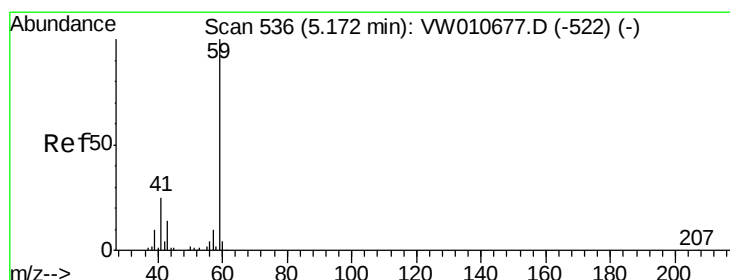
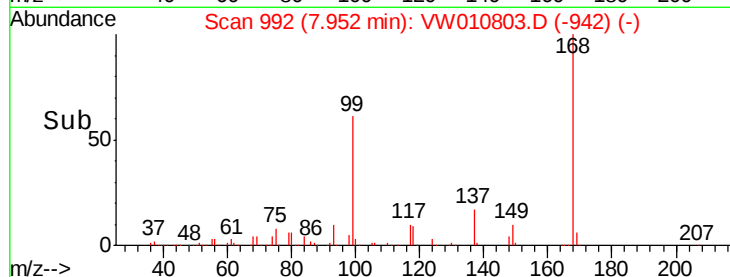
60000

40000

20000

0

Time-->



#11

Tert butyl alcohol

Concen: 8.315 ug/l

RT: 5.18 min Scan# 537

Delta R.T. 0.01 min

Lab File: VW010803.D

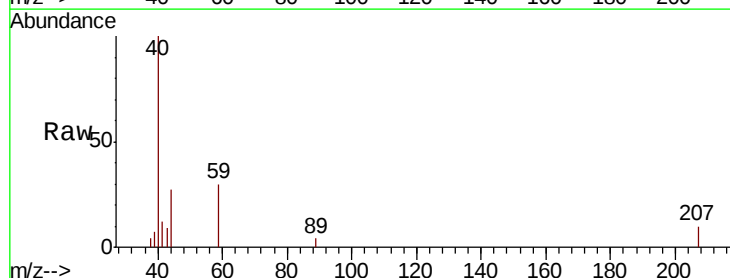
Acq: 13 Jun 2019 17:44

Tgt Ion: 59 Resp: 1839

Ion Ratio Lower Upper

59 100

57 1.5 8.6 12.8#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.18

500

400

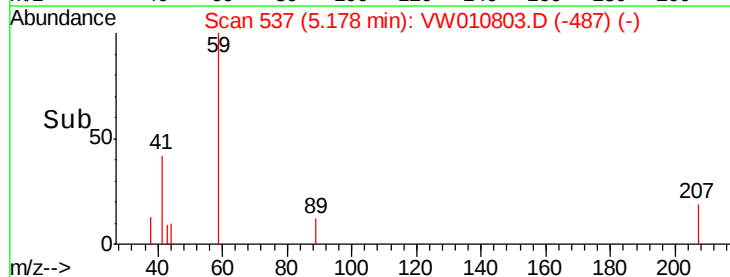
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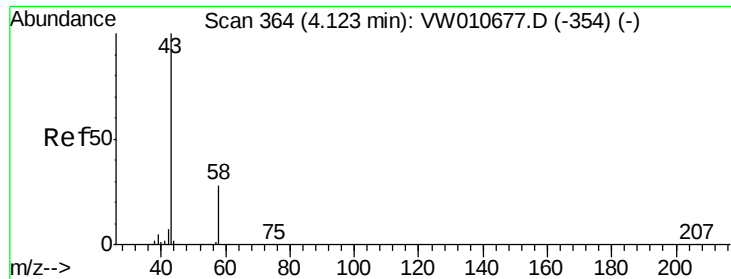
200

100

0

Time-->





#16

Acetone

Concen: 45.280 ug/l

RT: 4.12 min Scan# 364

Delta R.T. -0.00 min

Lab File: VW010803.D

Acq: 13 Jun 2019 17:44

Instrument :

MSVOA_W

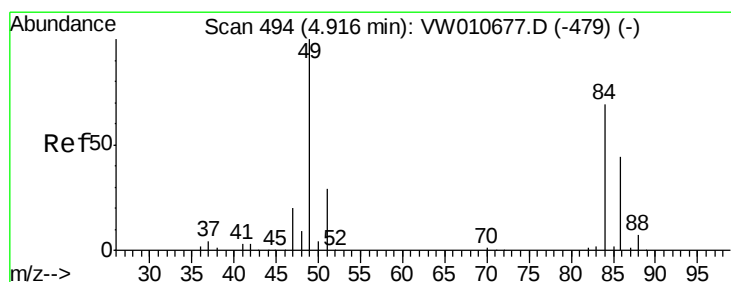
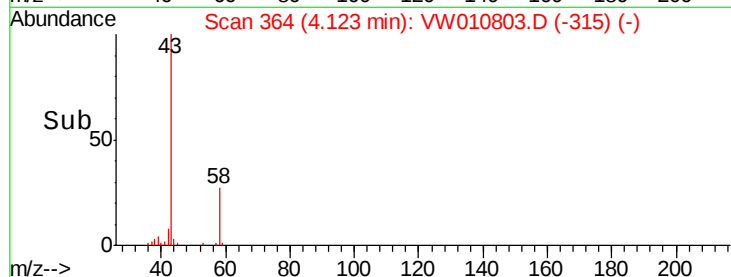
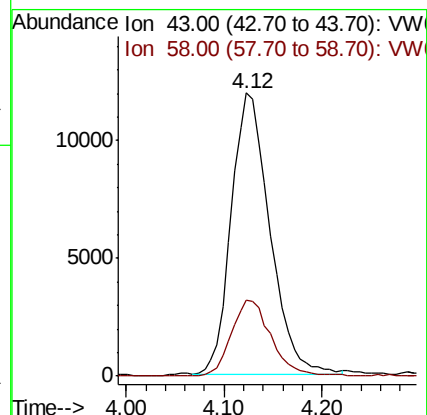
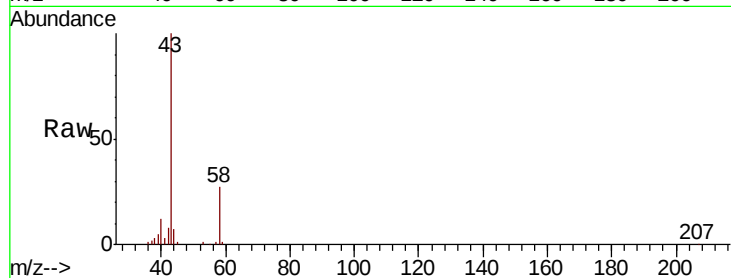
ClientSampleId :

Tot Ion: 43 Resp: 32937

Ion Ratio Lower Upper

43 100

58 27.2 22.1 33.1



#20

Methylene Chloride

Concen: 3.755 ug/l

RT: 4.91 min Scan# 493

Delta R.T. -0.01 min

Lab File: VW010803.D

Acq: 13 Jun 2019 17:44

Tgt Ion: 84 Resp: 9583

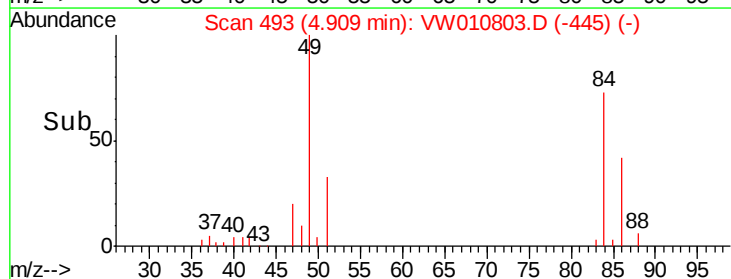
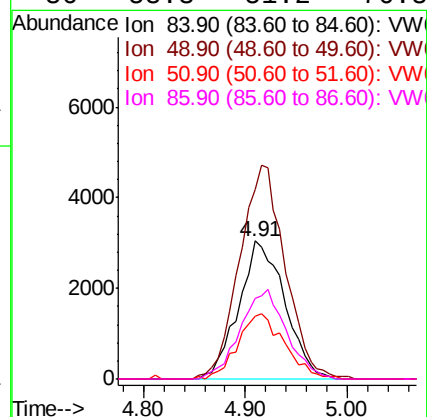
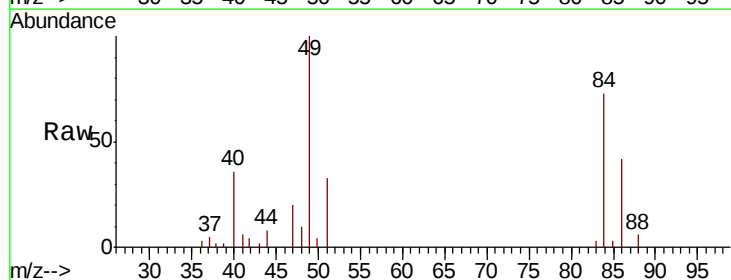
Ion Ratio Lower Upper

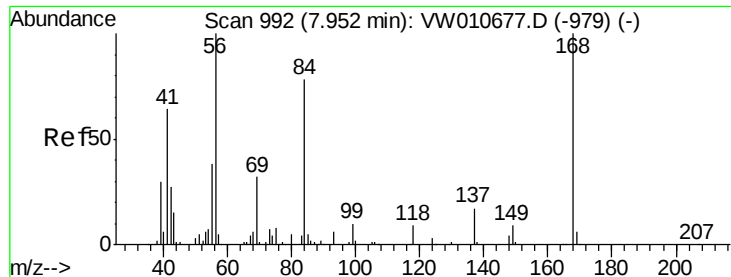
84 100

49 137.7 116.7 175.1

51 45.2 34.2 51.2

86 58.3 51.2 76.8

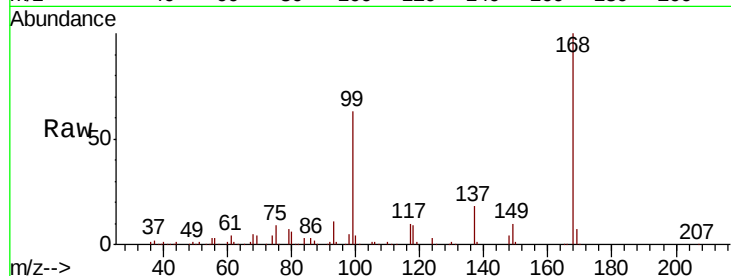




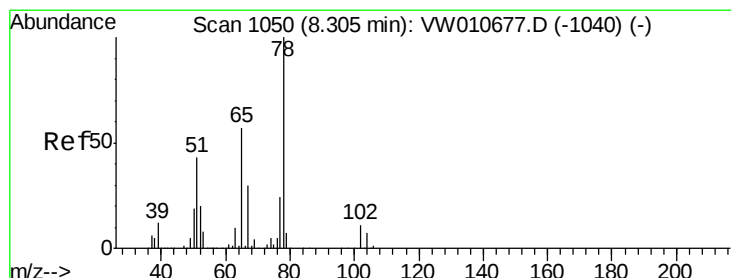
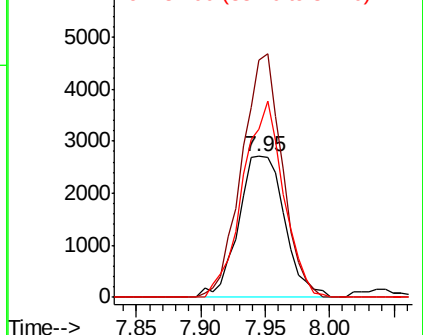
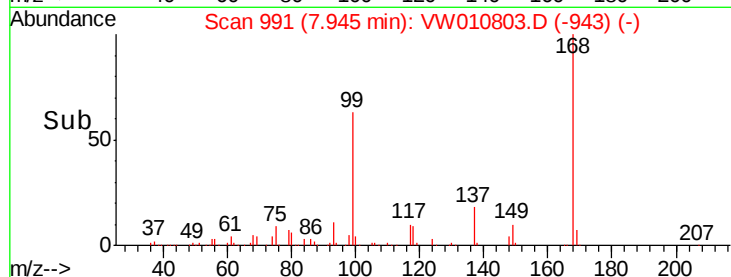
#31
Cyclohexane
Concen: 1.228 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW010803.D
Acq: 13 Jun 2019 17:44

Instrument :
MSVOA_W
ClientSampled :

Tot Ion: 56 Resp: 6729
Ion Ratio Lower Upper
56 100
69 167.9 25.2 37.8#
84 119.4 62.2 93.2#

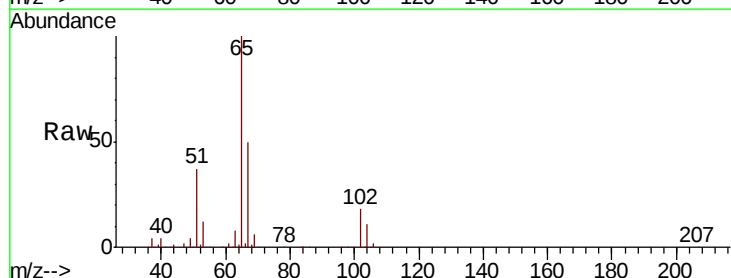


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

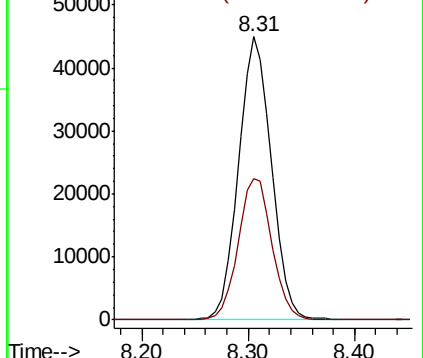
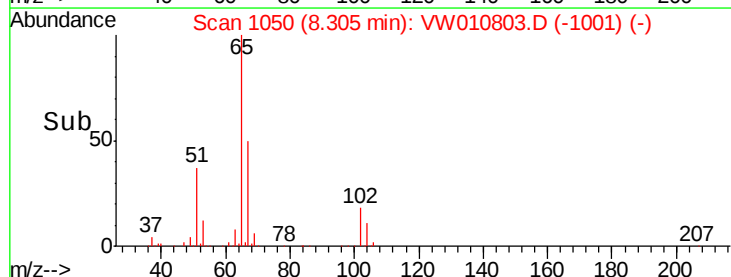


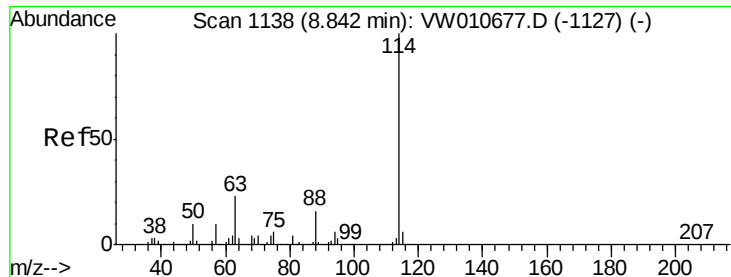
#33
1,2-Dichloroethane-d4
Concen: 35.902 ug/l
RT: 8.31 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VW010803.D
Acq: 13 Jun 2019 17:44

Tgt Ion: 65 Resp: 97464
Ion Ratio Lower Upper
65 100
67 51.6 0.0 102.6



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

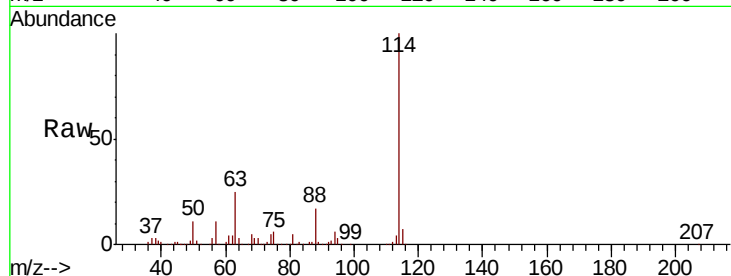




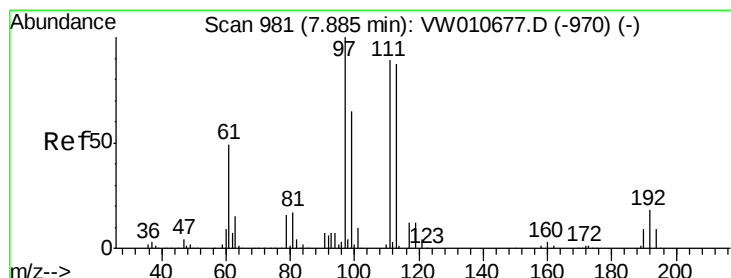
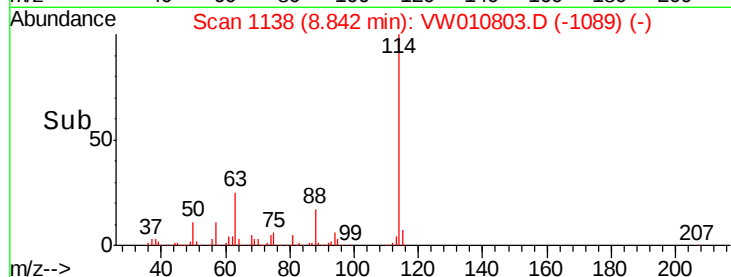
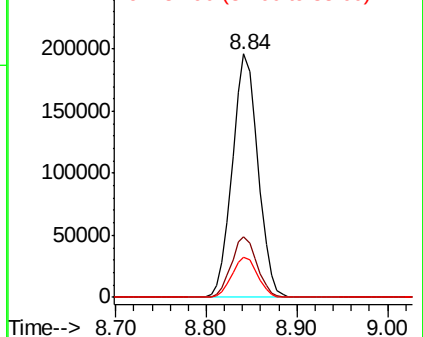
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW010803.D
 Acq: 13 Jun 2019 17:44

Instrument :
 MSVOA_W
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
114	100		
63	24.7	0.0	46.4
88	16.6	0.0	32.2

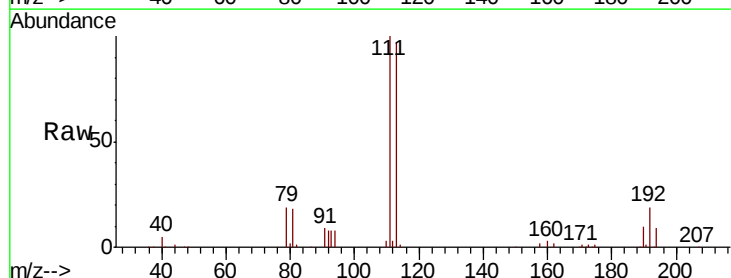


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

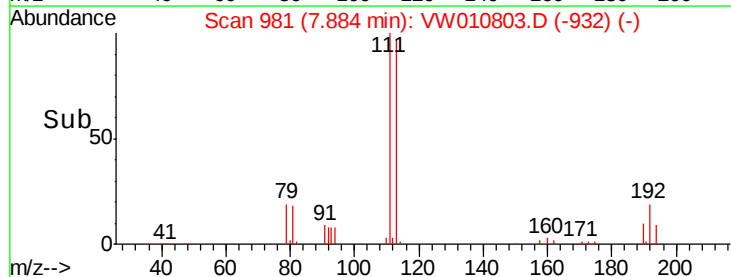
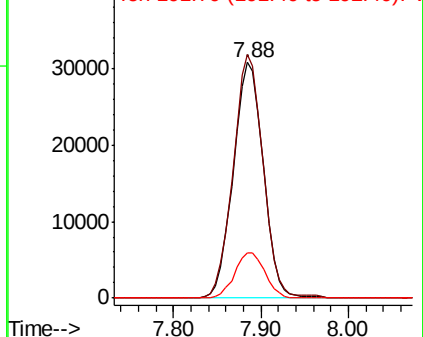


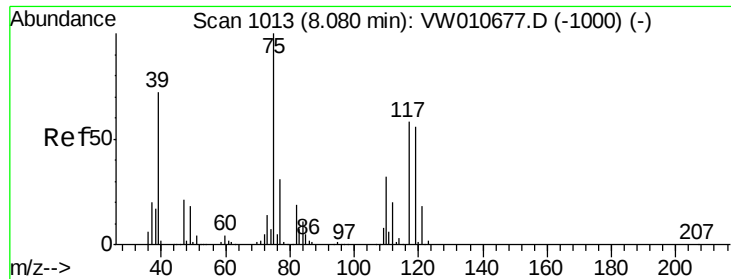
#35
 Dibromofluoromethane
 Concen: 35.234 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW010803.D
 Acq: 13 Jun 2019 17:44

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.0	82.6	123.8
192	19.4	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

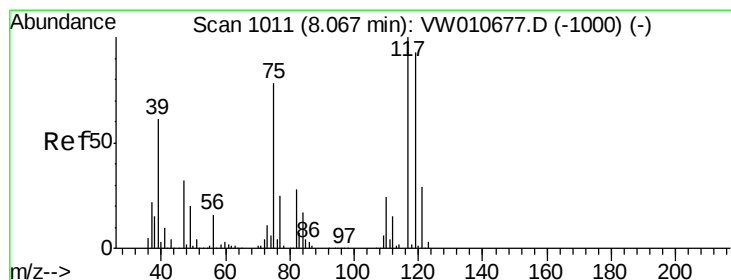
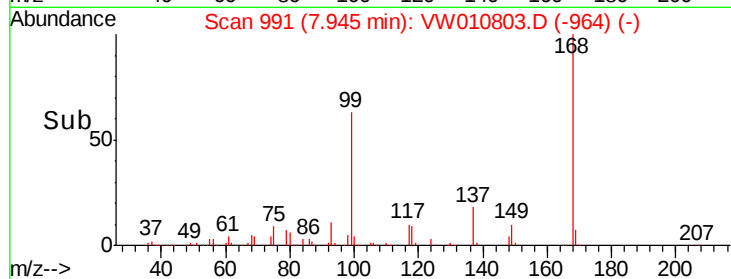
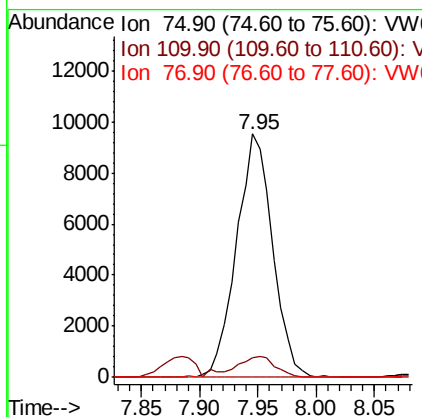
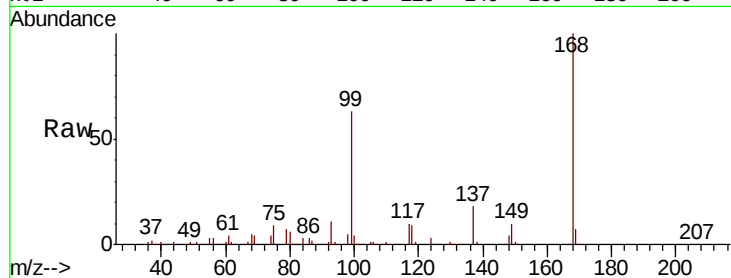




#36
 1,1-Dichloropropene
 Concen: 5.215 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW010803.D
 Acq: 13 Jun 2019 17:44

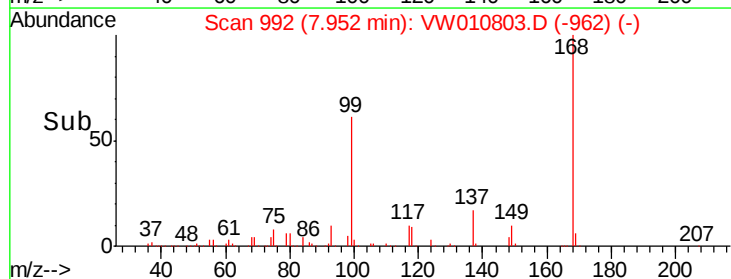
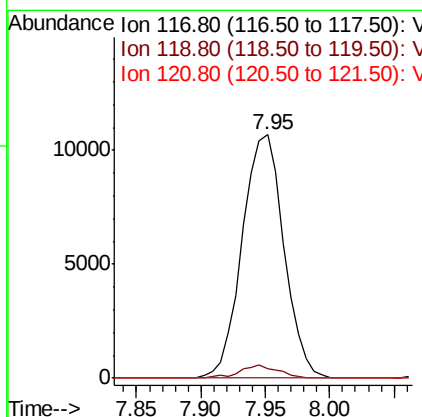
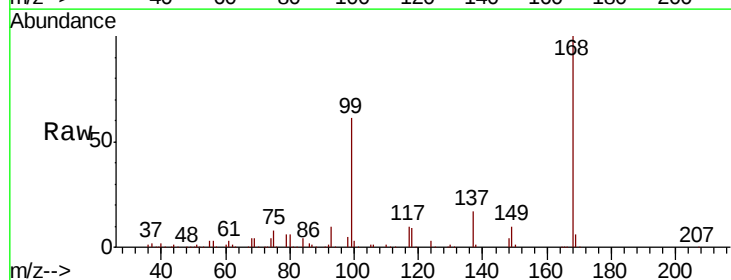
Instrument :
 MSVOA_W
 ClientSampled :

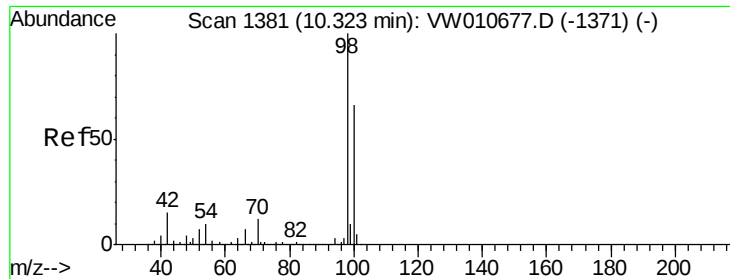
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.9	15.8	47.3#
77	0.0	24.7	37.1#



#38
 Carbon Tetrachloride
 Concen: 7.041 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.12 min
 Lab File: VW010803.D
 Acq: 13 Jun 2019 17:44

Tgt Ion	Ratio	Lower	Upper
117	100		
119	3.8	74.2	111.4#
121	0.0	22.9	34.3#

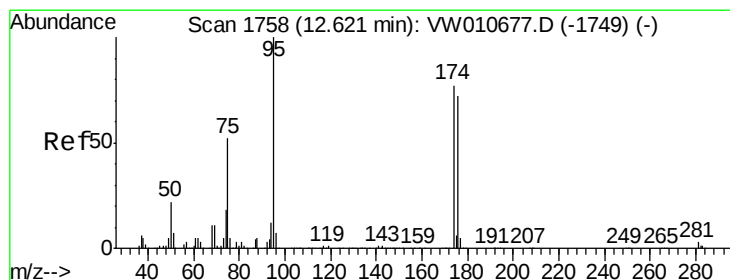
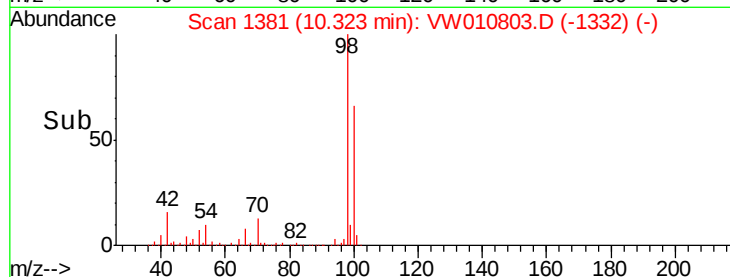
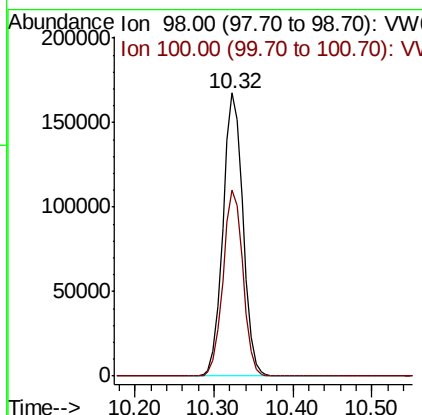
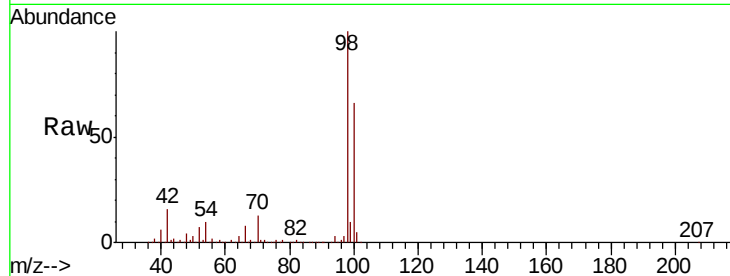




#50
Toluene-d8
Concen: 32.172 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW010803.D
Acq: 13 Jun 2019 17:44

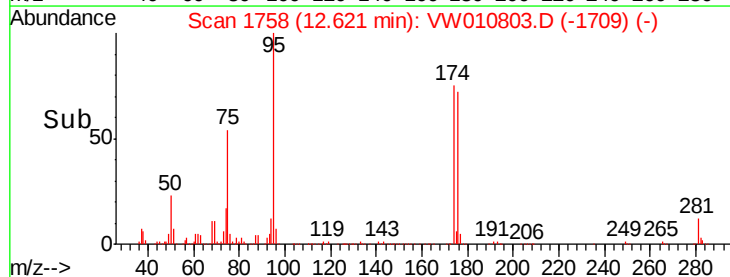
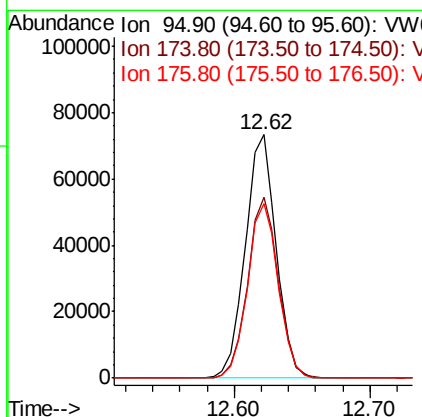
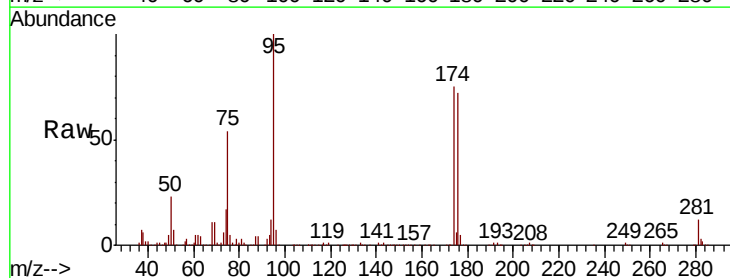
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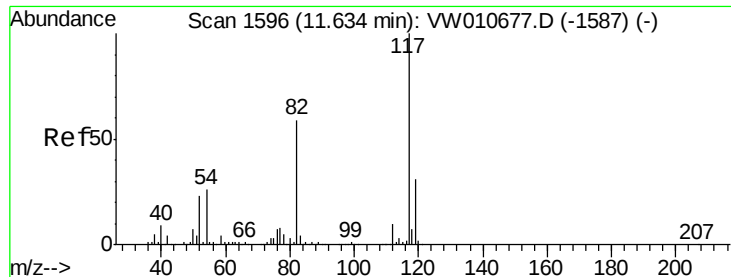
Tot Ion: 98 Resp: 294488
Ion Ratio Lower Upper
98 100
100 65.5 53.0 79.6



#62
4-Bromofluorobenzene
Concen: 34.939 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.00 min
Lab File: VW010803.D
Acq: 13 Jun 2019 17:44

Tgt Ion: 95 Resp: 116378
Ion Ratio Lower Upper
95 100
174 74.1 0.0 150.4
176 71.4 0.0 144.8

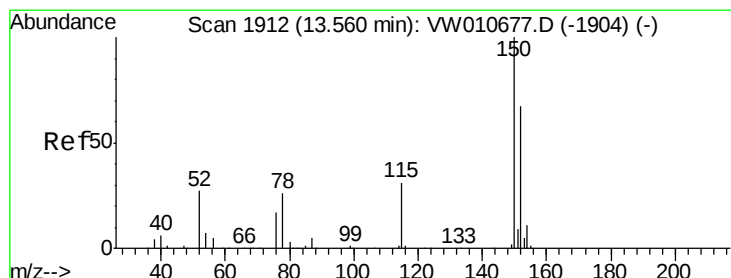
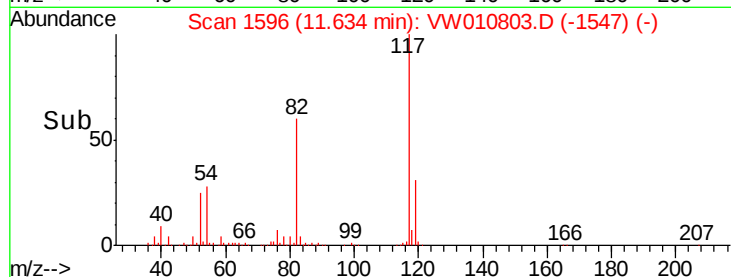
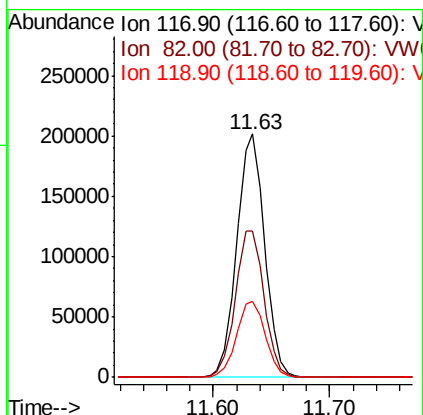
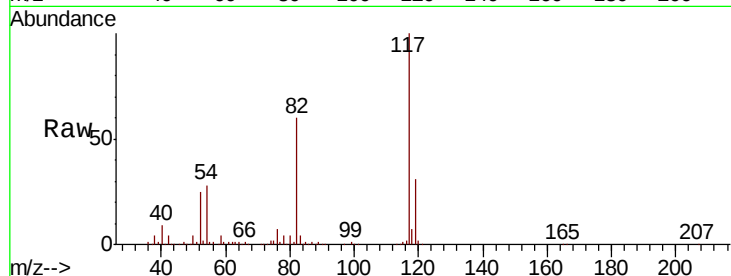




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW010803.D
Acq: 13 Jun 2019 17:44

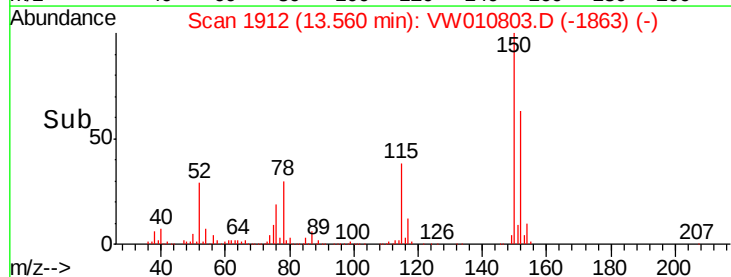
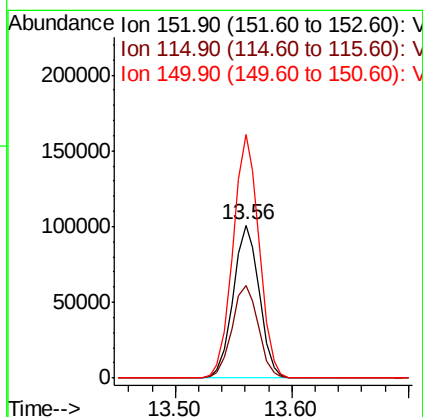
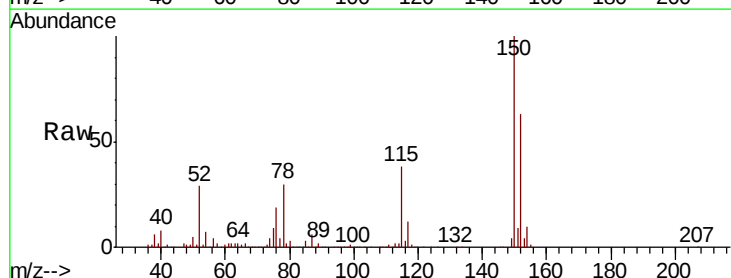
Instrument :
MSVOA_W
ClientSampled :

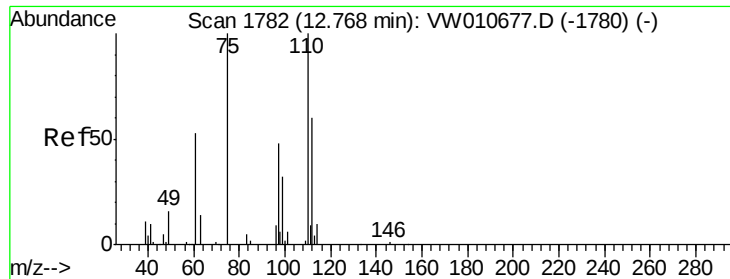
Tot Ion	Ratio	Lower	Upper
117	100		
82	59.9	47.0	70.4
119	31.4	25.1	37.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW010803.D
Acq: 13 Jun 2019 17:44

Tgt Ion	Ratio	Lower	Upper
152	100		
115	61.6	29.8	89.3
150	158.6	0.0	345.0

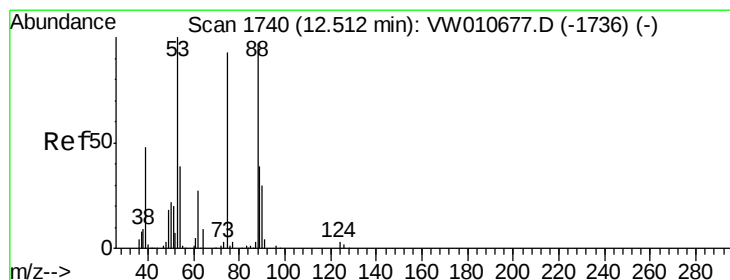
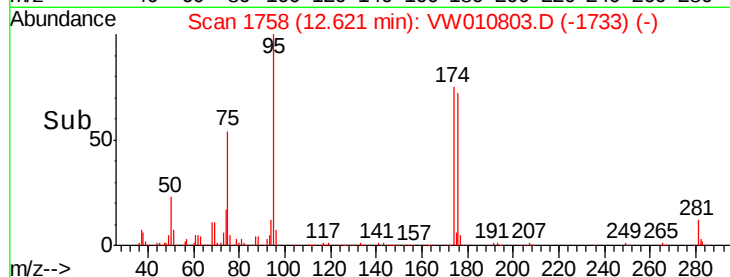
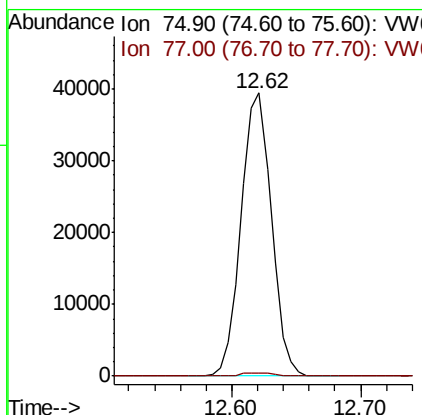
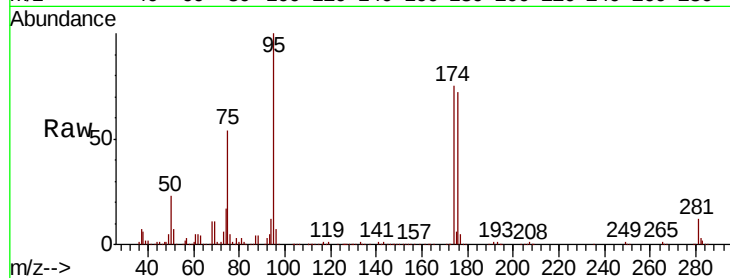




#76
 1,2,3-Trichloropropane
 Concen: 38.827 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.15 min
 Lab File: VW010803.D
 Acq: 13 Jun 2019 17:44

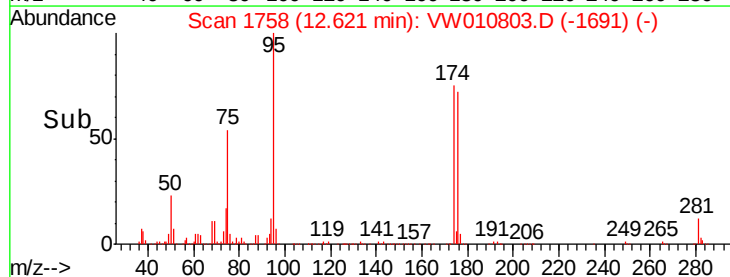
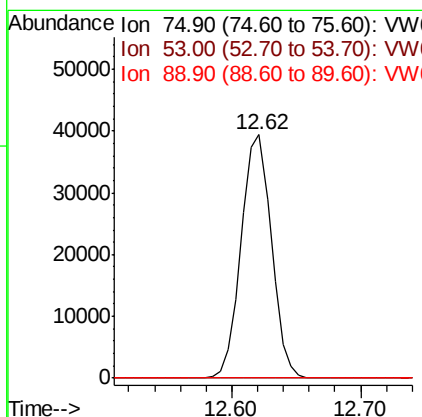
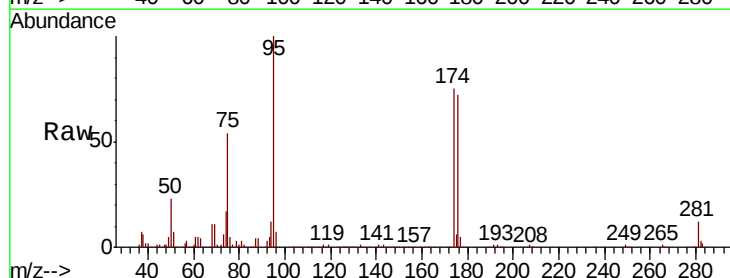
Instrument :
 MSVOA_W
 ClientSampleId :

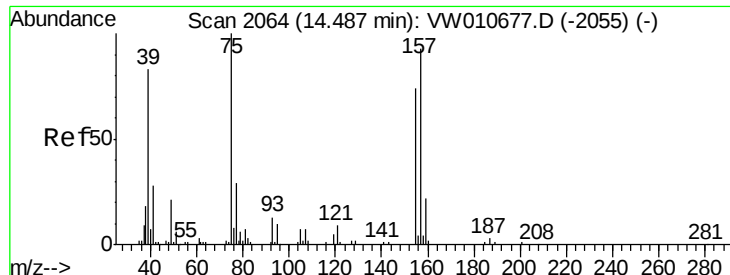
Tot Ion: 75 Resp: 64151
 Ion Ratio Lower Upper
 75 100
 77 1.3 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 89.238 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.11 min
 Lab File: VW010803.D
 Acq: 13 Jun 2019 17:44

Tgt Ion: 75 Resp: 64151
 Ion Ratio Lower Upper
 75 100
 53 0.0 90.1 135.1#
 89 0.0 34.6 52.0#





#92

1,2-Dibromo-3-Chloropropane

Concen: 1.475 ug/l

RT: 14.54 min Scan# 2073

Delta R.T. 0.05 min

Lab File: VW010803.D

Acq: 13 Jun 2019 17:44

Instrument :

MSVOA_W

ClientSampleId :

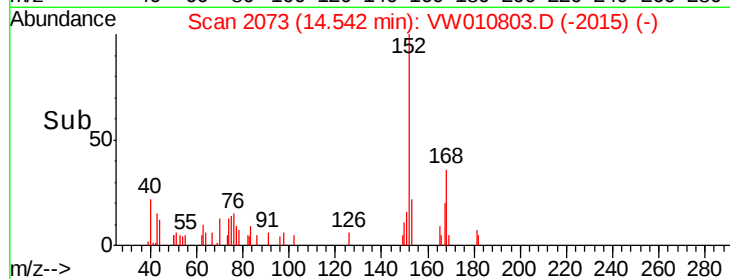
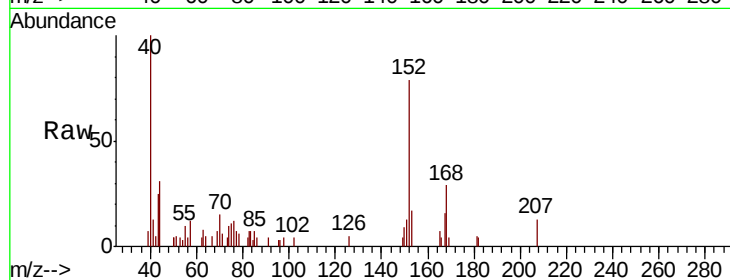
Tot Ion: 75 Resp: 570

Ion Ratio Lower Upper

75 100

155 0.0 38.8 116.4#

157 0.0 48.4 145.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

