

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW062919\
 Data File : VW011065.D
 Acq On : 28 Jun 2019 16:55
 Operator : SY/VA
 Sample : K3552-14RE
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 M-7A

Quant Time: Jun 29 01:51:20 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W062819S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 28 01:55:46 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	199250	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	349385	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	296555	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	124738	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.30	65	142704	54.79	ug/l	0.00
Spiked Amount			Recovery	=	109.58%	
35) Dibromofluoromethane	7.88	113	105502	49.45	ug/l	0.00
Spiked Amount			Recovery	=	98.90%	
50) Toluene-d8	10.32	98	435110	49.55	ug/l	0.00
Spiked Amount			Recovery	=	99.10%	
62) 4-Bromofluorobenzene	12.62	95	143507	44.68	ug/l	0.00
Spiked Amount			Recovery	=	89.36%	

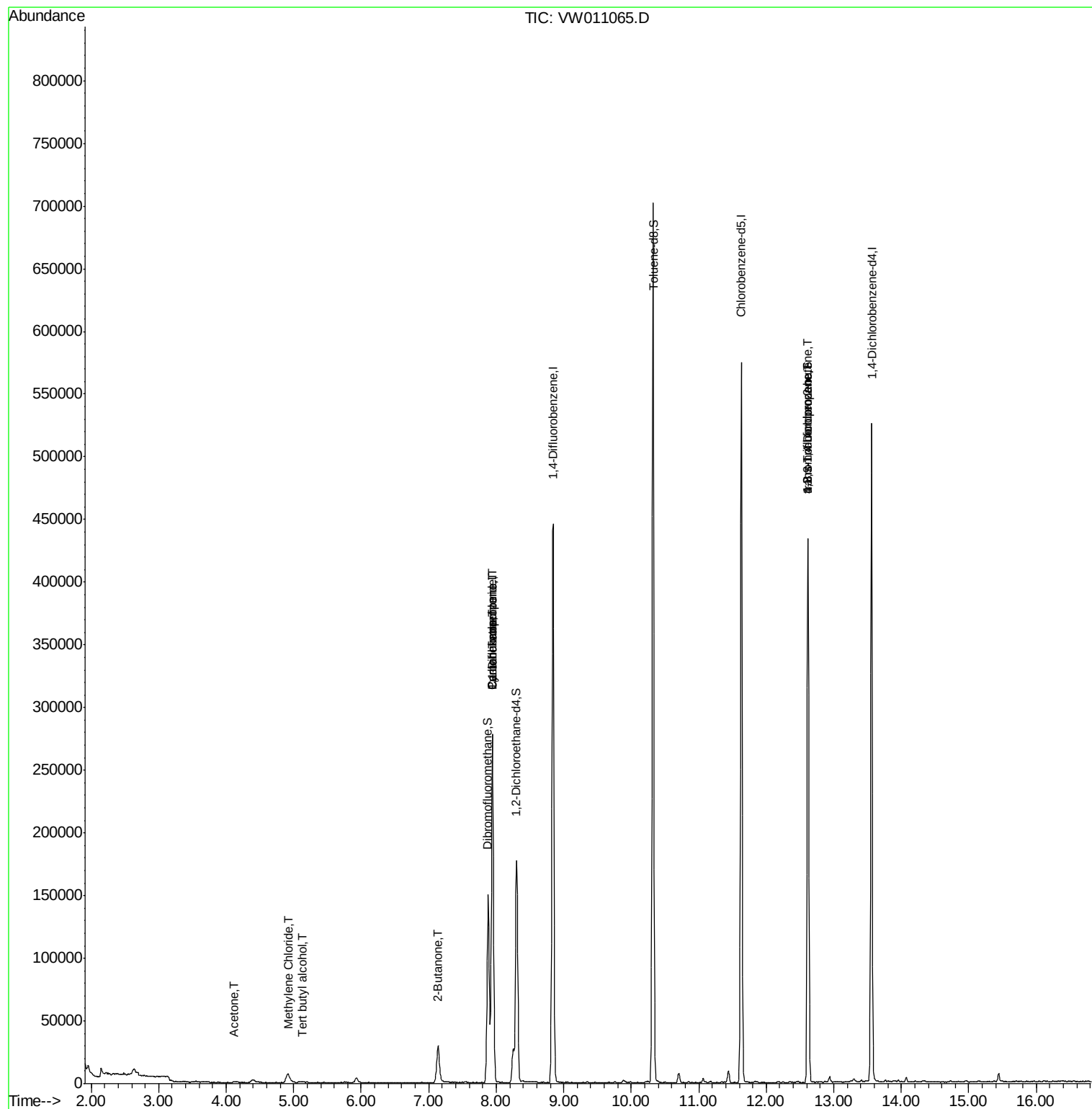
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.12	59	332	1.755	ug/l #	92
16) Acetone	4.12	43	1896	2.982	ug/l	93
20) Methylene Chloride	4.92	84	5559	2.152	ug/l	93
25) 2-Butanone	7.13	43	1996	2.065	ug/l #	81
31) Cyclohexane	7.95	56	5547	1.113	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	18521	4.932	ug/l #	51
38) Carbon Tetrachloride	7.94	117	20943	6.772	ug/l #	16
76) 1,2,3-Trichloropropane	12.62	75	76867	58.369	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	76867	118.107	ug/l #	3

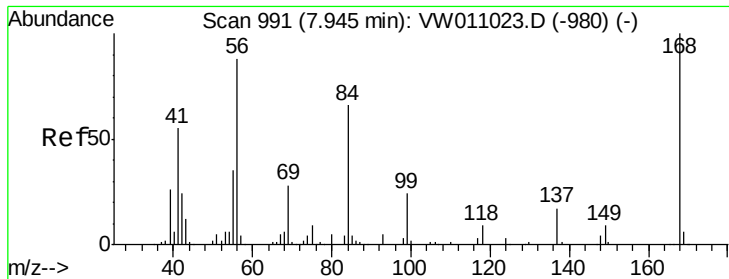
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW011065.D

Acq: 28 Jun 2019 16:55

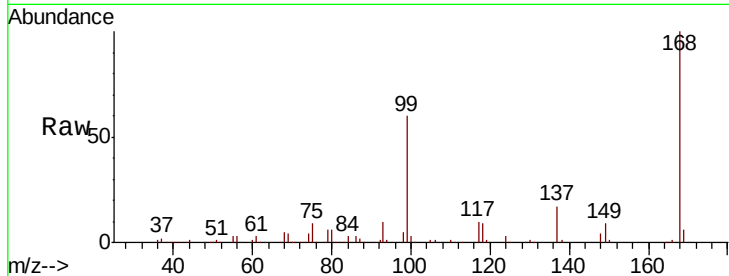
Instrument :
MSVOA_W
ClientSampleId :
M-7A

Tot Ion:168 Resp: 199250

Ion Ratio Lower Upper

168 100

99 60.4 47.8 71.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

100000

80000

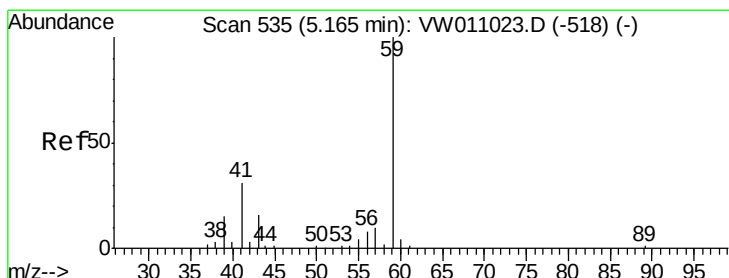
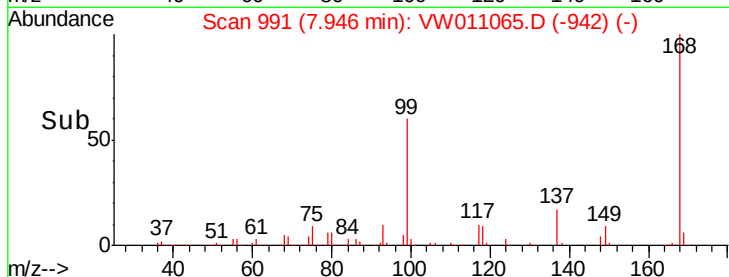
60000

40000

20000

0

Time--> 7.80 7.90 8.00 8.10



#11

Tert butyl alcohol

Concen: 1.755 ug/l

RT: 5.12 min Scan# 528

Delta R.T. -0.04 min

Lab File: VW011065.D

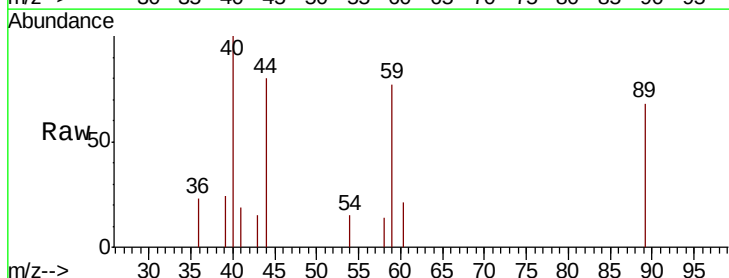
Acq: 28 Jun 2019 16:55

Tgt Ion: 59 Resp: 332

Ion Ratio Lower Upper

59 100

57 8.1 9.0 13.4#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.12

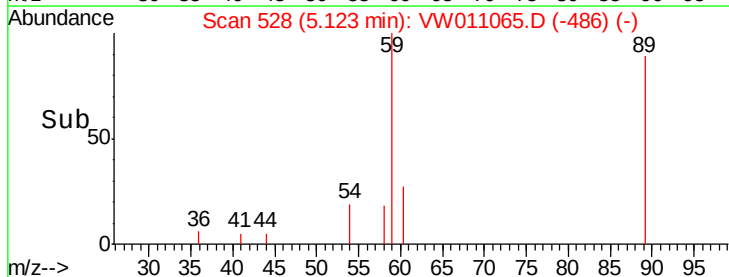
300

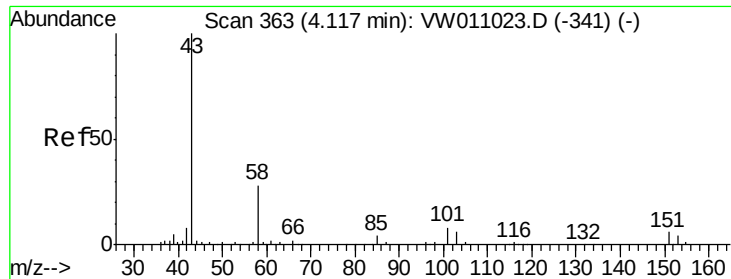
200

100

0

Time--> 5.10 5.12 5.14 5.16

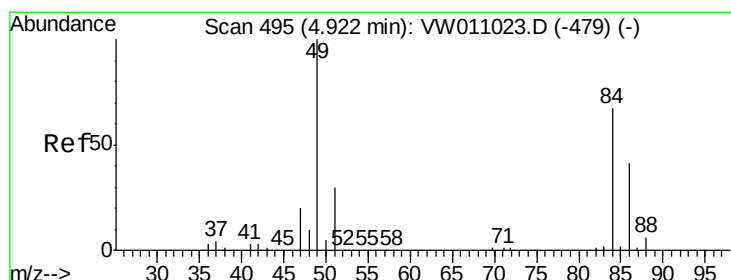
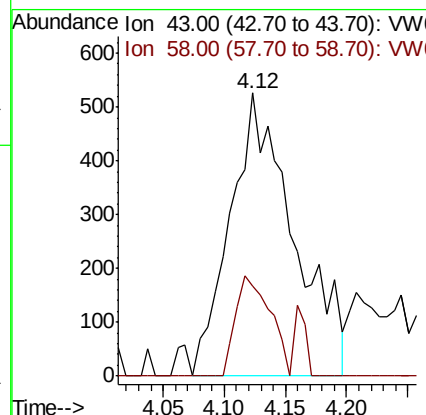
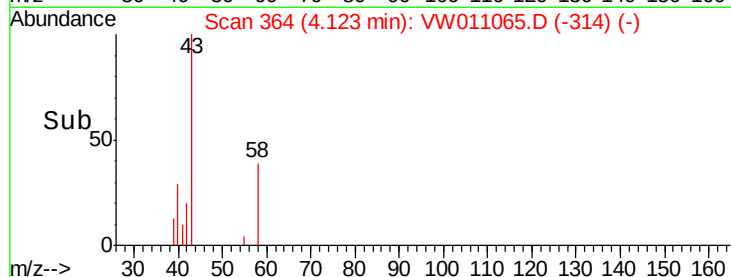
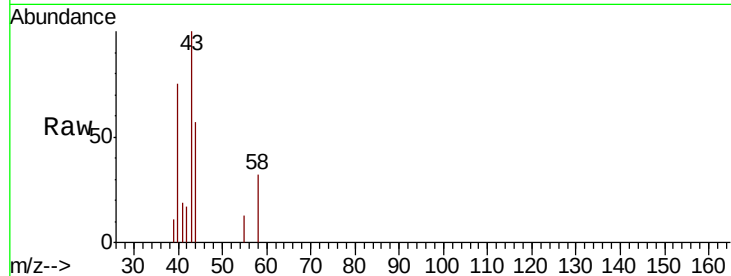




#16
Acetone
Concen: 2.982 ug/l
RT: 4.12 min Scan# 364
Delta R.T. 0.01 min
Lab File: VW011065.D
Acq: 28 Jun 2019 16:55

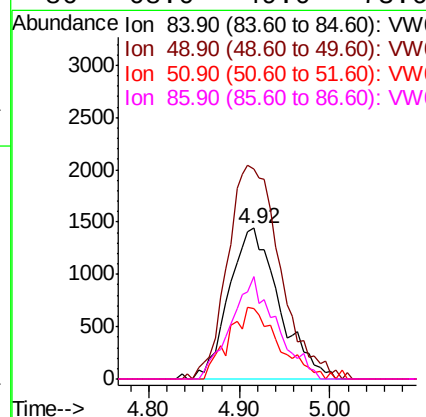
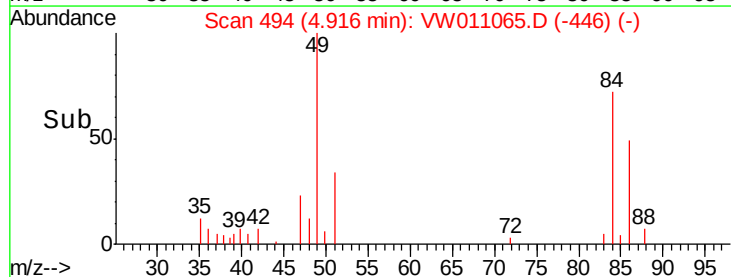
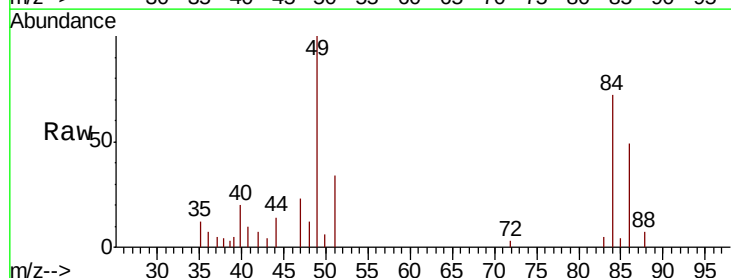
Instrument :
MSVOA_W
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M-7A

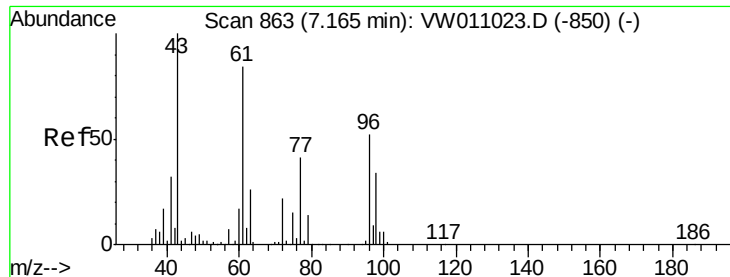
Tot Ion: 43 Resp: 1896
Ion Ratio Lower Upper
43 100
58 31.9 22.5 33.7



#20
Methylene Chloride
Concen: 2.152 ug/l
RT: 4.92 min Scan# 494
Delta R.T. -0.01 min
Lab File: VW011065.D
Acq: 28 Jun 2019 16:55

Tgt Ion: 84 Resp: 5559
Ion Ratio Lower Upper
84 100
49 139.7 119.6 179.4
51 47.0 35.6 53.4
86 68.0 49.0 73.6

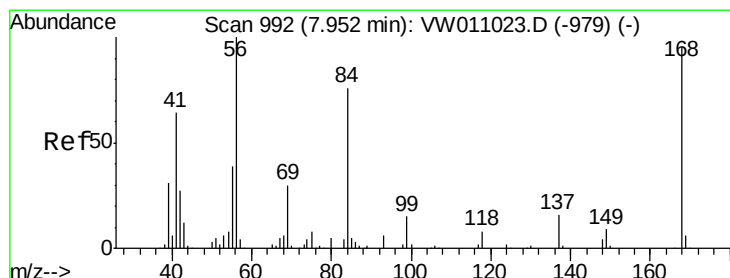
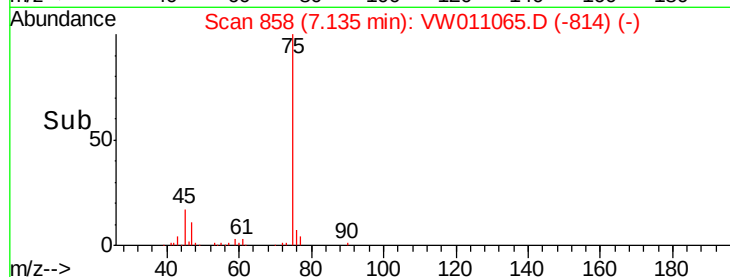
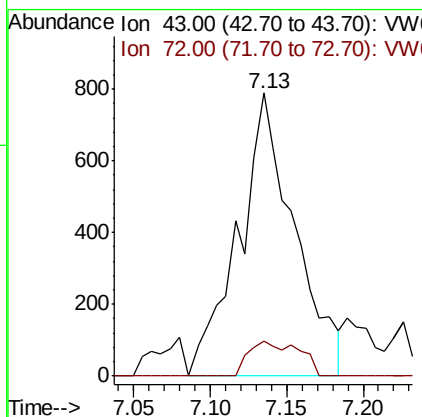
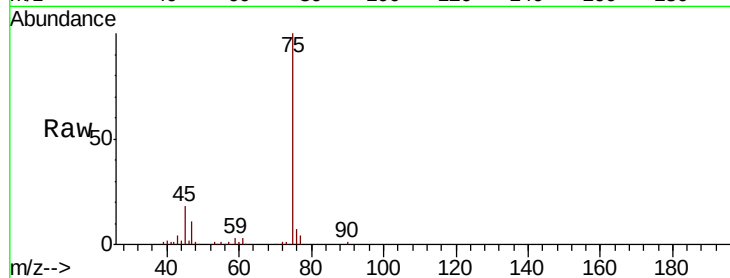




#25
2-Butanone
Concen: 2.065 ug/l
RT: 7.13 min Scan# 858
Delta R.T. -0.03 min
Lab File: VW011065.D
Acq: 28 Jun 2019 16:55

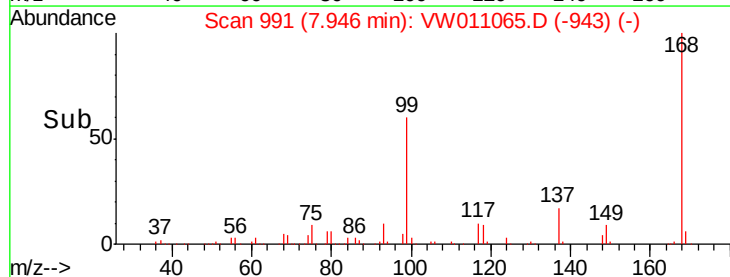
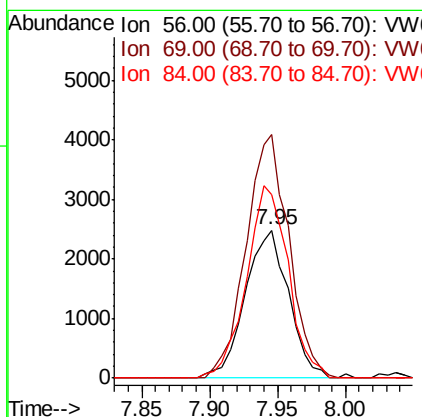
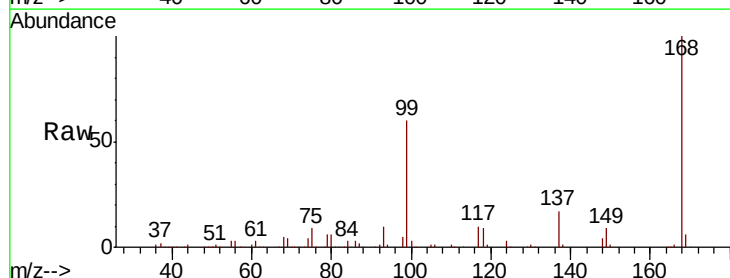
Instrument :
MSVOA_W
ClientSampleId :
M-7A

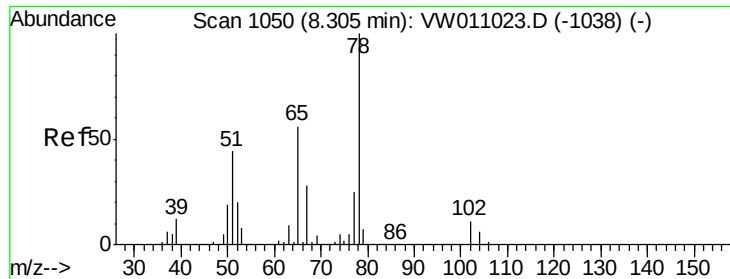
Tot Ion: 43 Resp: 1996
Ion Ratio Lower Upper
43 100
72 12.4 17.2 25.8#



#31
Cyclohexane
Concen: 1.113 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW011065.D
Acq: 28 Jun 2019 16:55

Tgt Ion: 56 Resp: 5547
Ion Ratio Lower Upper
56 100
69 164.4 24.2 36.2#
84 123.7 60.6 90.8#

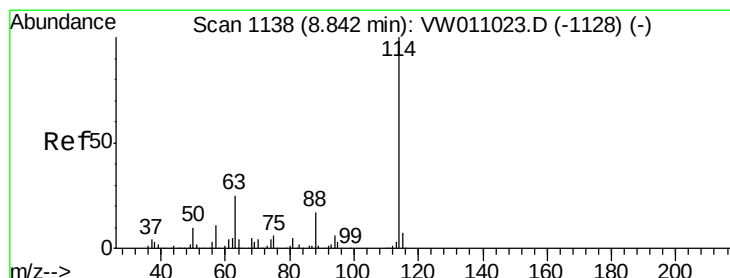
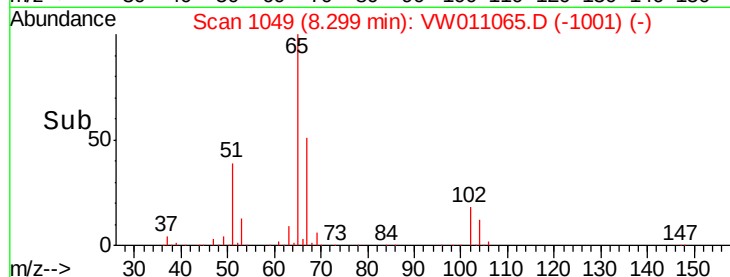
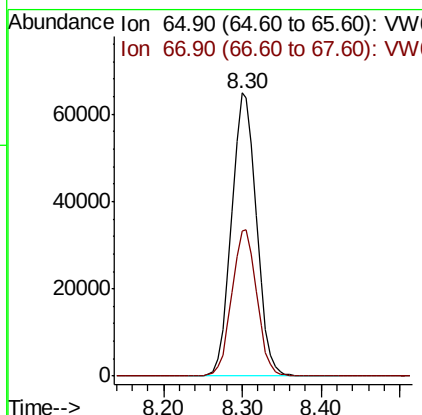
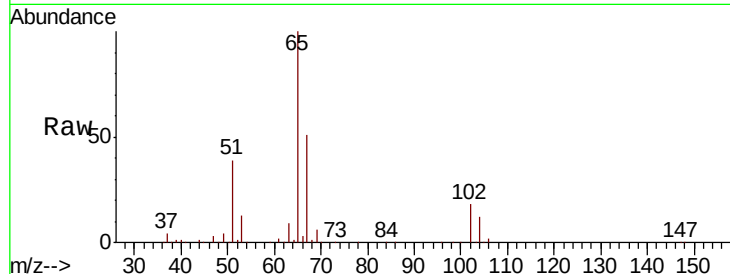




#33
 1,2-Dichloroethane-d4
 Concen: 54.787 ug/l
 RT: 8.30 min Scan# 1049
 Delta R.T. -0.01 min
 Lab File: VW011065.D
 Acq: 28 Jun 2019 16:55

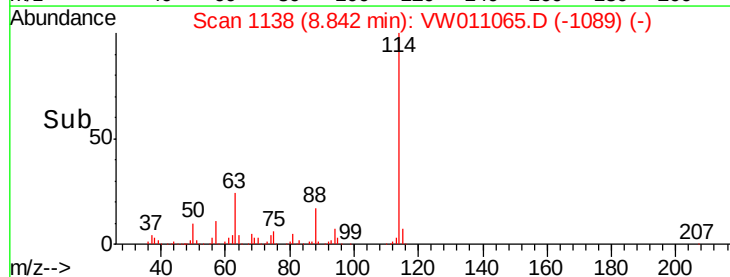
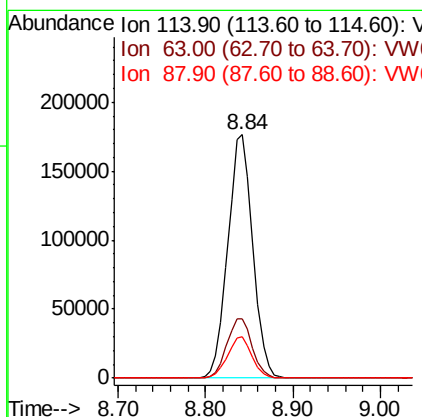
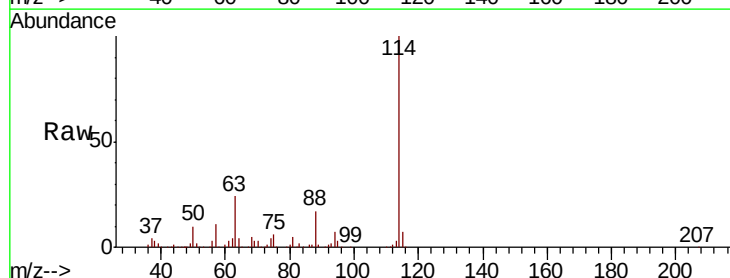
Instrument :
 MSVOA_W
 ClientSampleId :
 M-7A

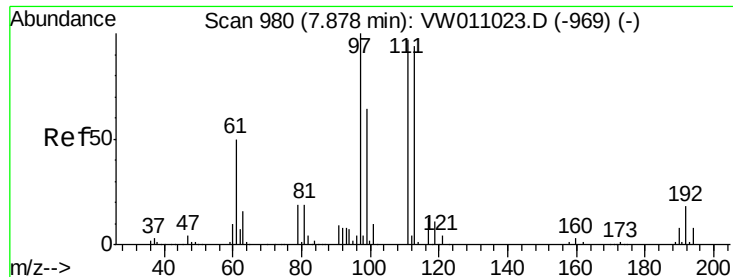
Tot Ion: 65 Resp: 142704
 Ion Ratio Lower Upper
 65 100
 67 52.1 0.0 102.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW011065.D
 Acq: 28 Jun 2019 16:55

Tgt Ion: 114 Resp: 349385
 Ion Ratio Lower Upper
 114 100
 63 24.5 0.0 50.6
 88 16.8 0.0 34.0

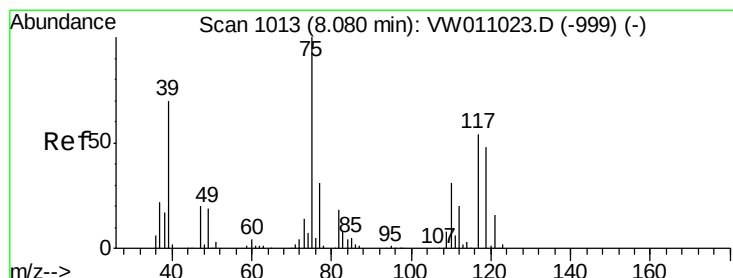
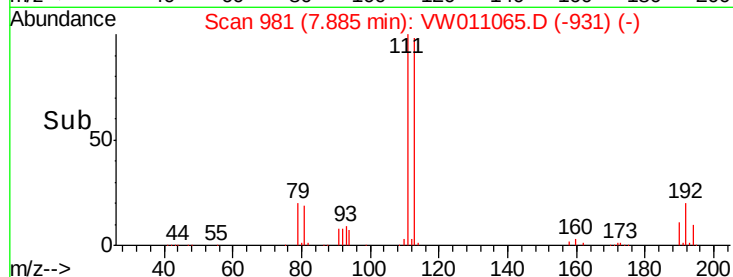
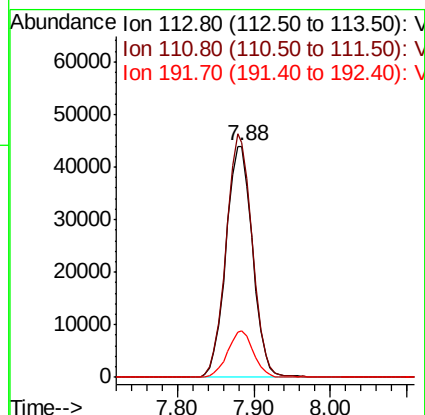
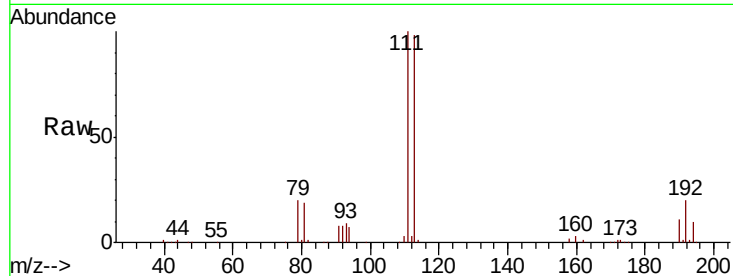




#35
 Dibromofluoromethane
 Concen: 49.451 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.01 min
 Lab File: VW011065.D
 Acq: 28 Jun 2019 16:55

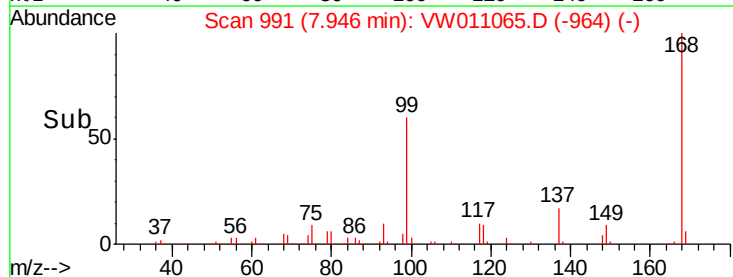
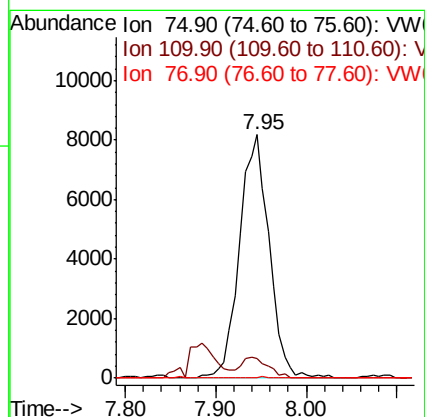
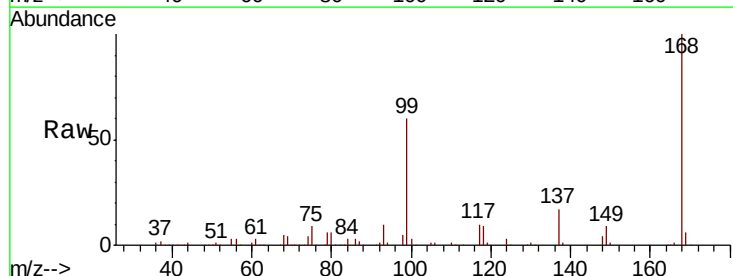
Instrument :
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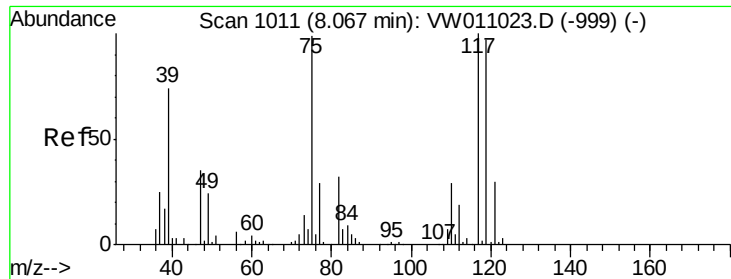
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.4	83.8	125.6
192	19.6	16.0	24.0



#36
 1,1-Dichloropropene
 Concen: 4.932 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW011065.D
 Acq: 28 Jun 2019 16:55

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.2	15.5	46.5#
77	0.1	24.9	37.3#

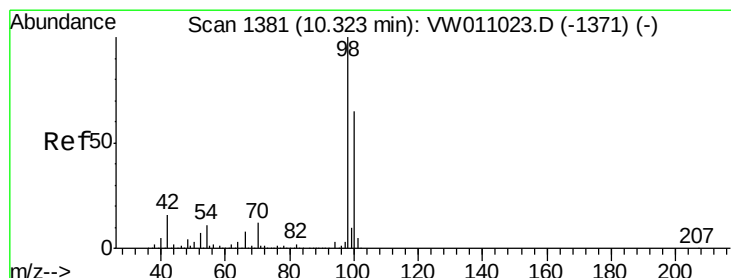
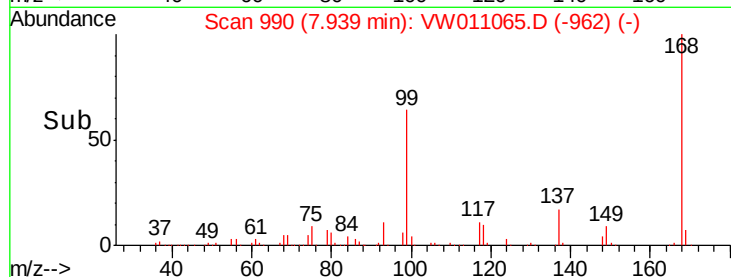
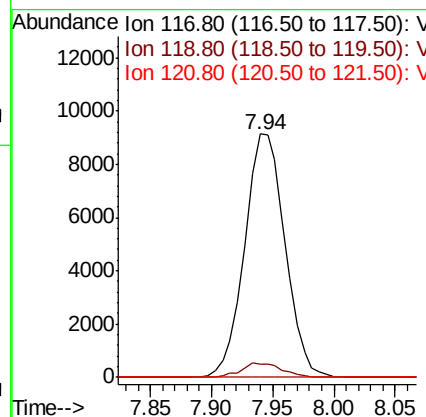
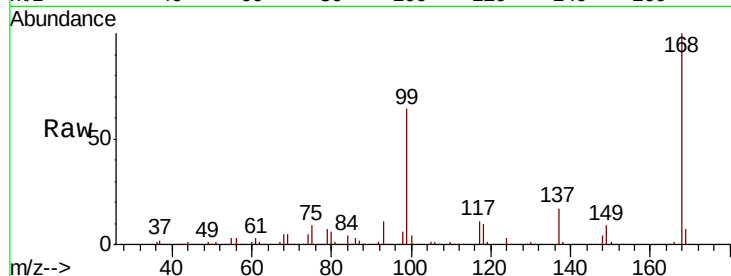




#38
Carbon Tetrachloride
Concen: 6.772 ug/l
RT: 7.94 min Scan# 990
Delta R.T. -0.13 min
Lab File: VW011065.D
Acq: 28 Jun 2019 16:55

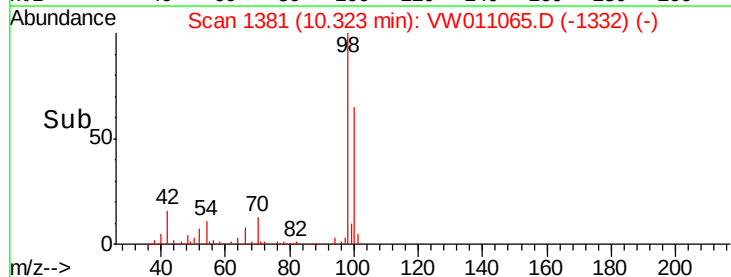
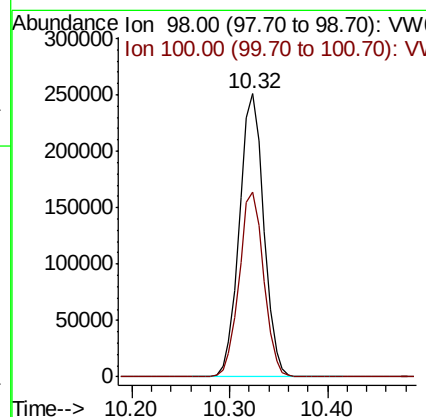
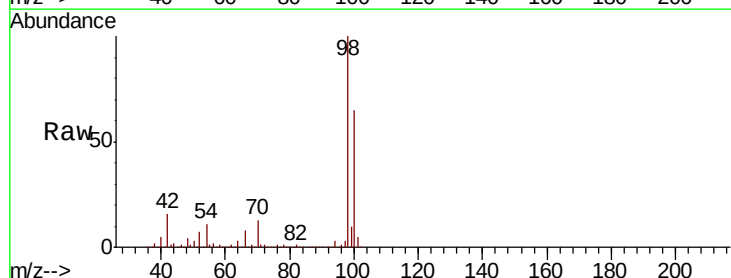
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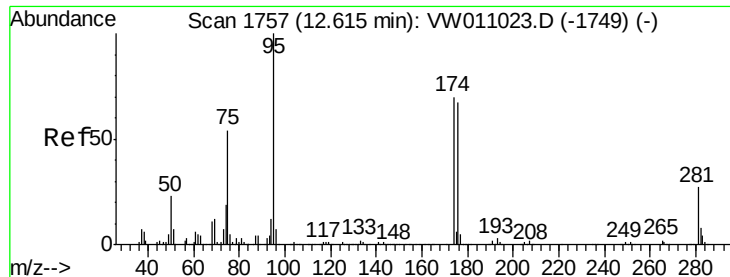
Tot Ion:117 Resp: 20943
Ion Ratio Lower Upper
117 100
119 5.6 77.7 116.5#
121 0.0 23.9 35.9#



#50
Toluene-d8
Concen: 49.546 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW011065.D
Acq: 28 Jun 2019 16:55

Tgt Ion: 98 Resp: 435110
Ion Ratio Lower Upper
98 100
100 65.5 52.3 78.5

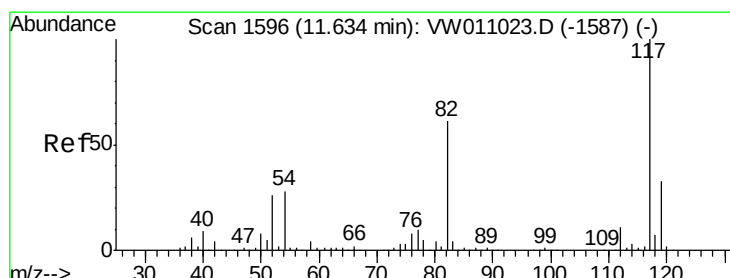
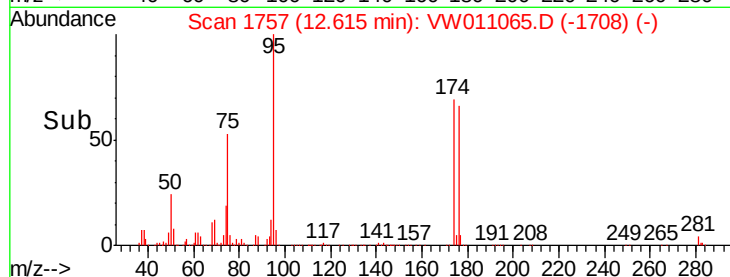
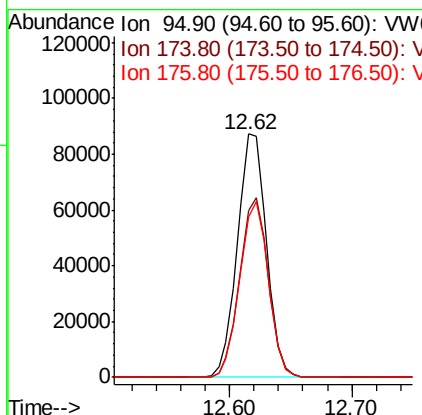
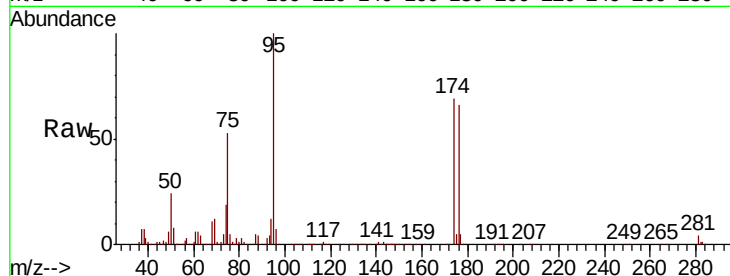




#62
4-Bromofluorobenzene
Concen: 44.678 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. 0.00 min
Lab File: VW011065.D
Acq: 28 Jun 2019 16:55

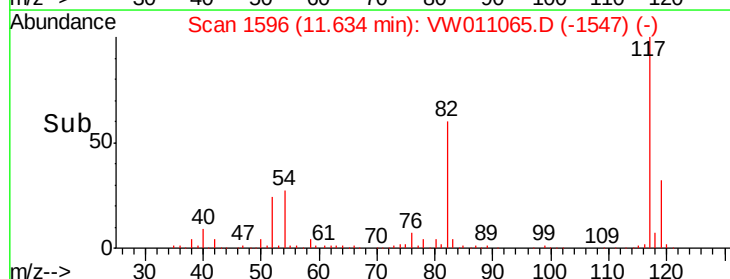
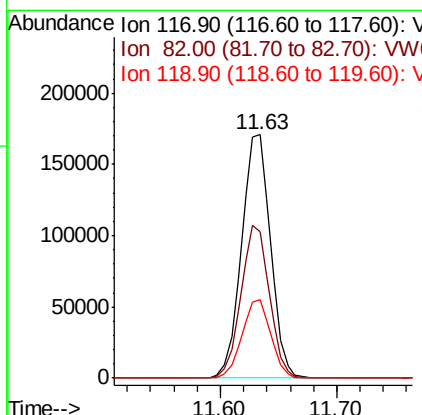
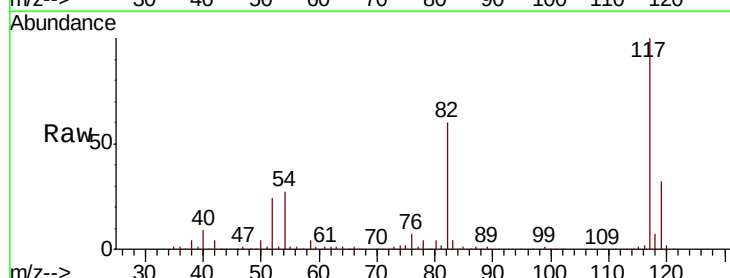
Instrument :
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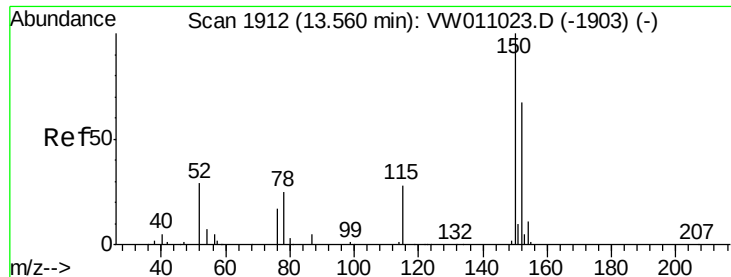
Tot Ion	95	Resp	143507
Ion Ratio	Lower	Upper	
95	100		
174	73.4	0.0	149.2
176	71.3	0.0	143.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW011065.D
Acq: 28 Jun 2019 16:55

Tgt Ion	117	Resp	296555
Ion Ratio	Lower	Upper	
117	100		
82	59.9	48.6	73.0
119	32.3	26.1	39.1





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW011065.D

Acq: 28 Jun 2019 16:55

Instrument :

MSVOA_W

ClientSampleId :

M-7A

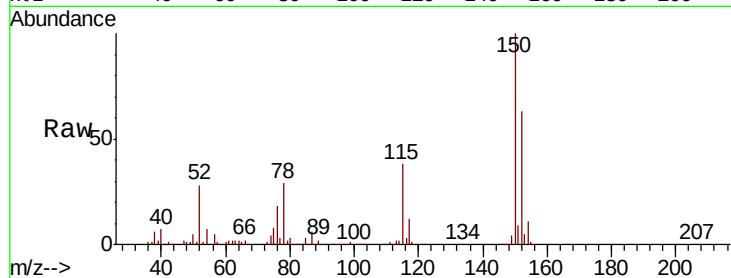
Tot Ion:152 Resp: 124738

Ion Ratio Lower Upper

152 100

115 61.4 30.7 92.1

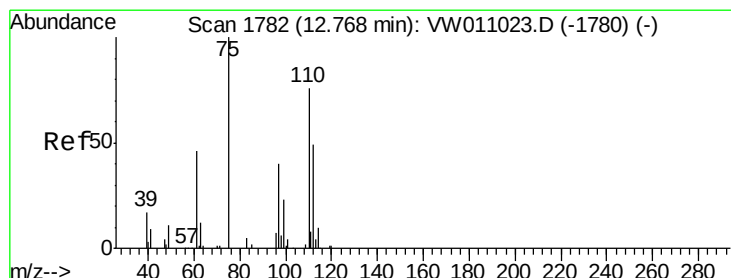
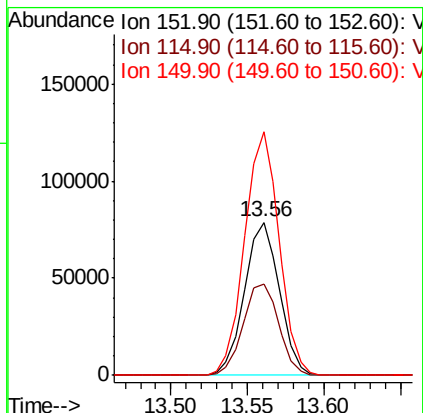
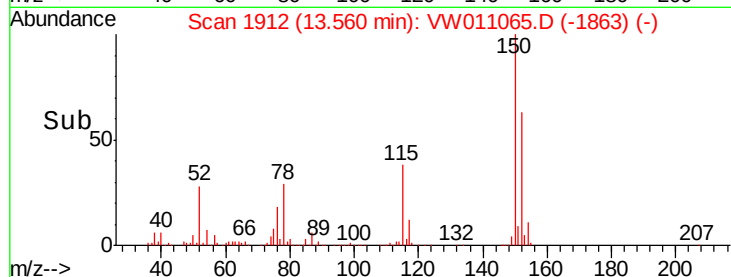
150 157.9 0.0 341.8



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: 58.369 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW011065.D

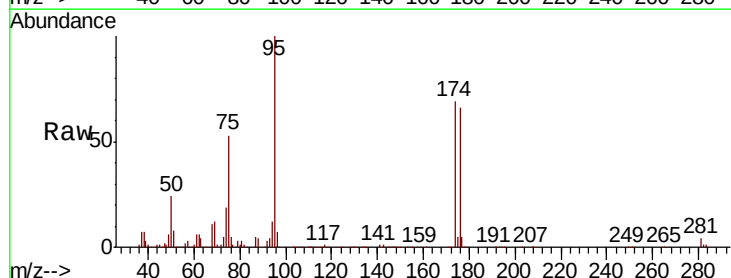
Acq: 28 Jun 2019 16:55

Tgt Ion: 75 Resp: 76867

Ion Ratio Lower Upper

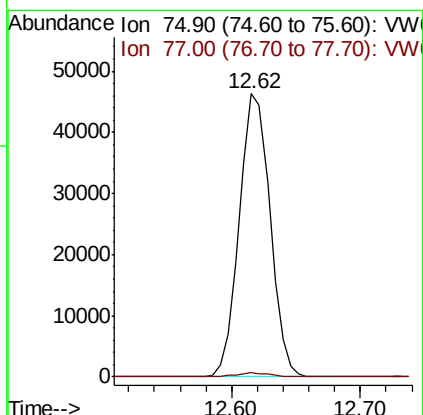
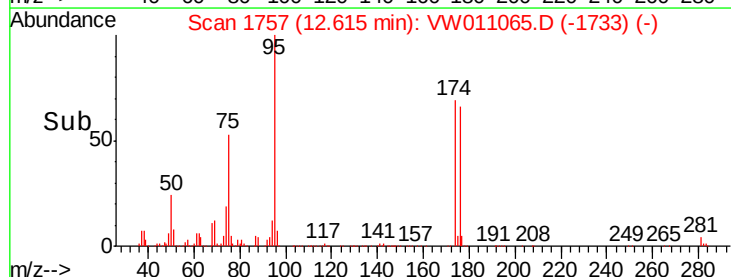
75 100

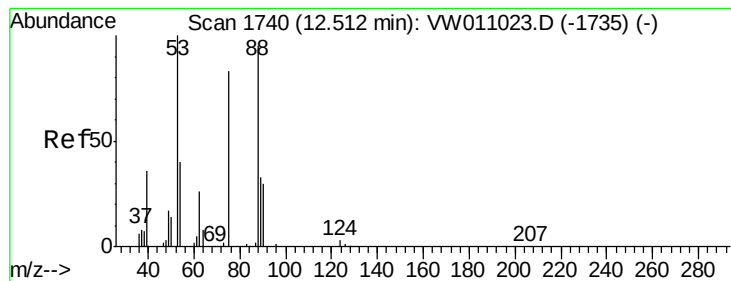
77 1.5 0.0 0.0#



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: 118.107 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW011065.D

Acq: 28 Jun 2019 16:55

Instrument :

MSVOA_W

ClientSampleId :

M-7A

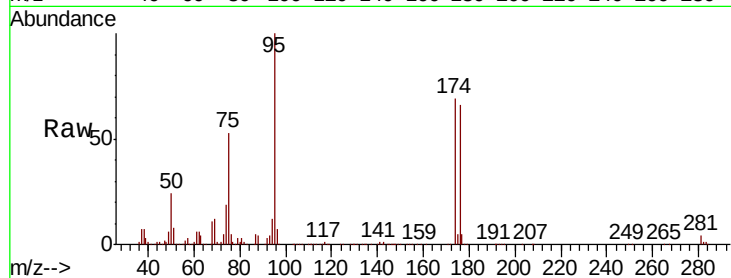
Tot Ion: 75 Resp: 76867

Ion Ratio Lower Upper

75 100

53 0.1 95.6 143.4#

89 0.0 34.4 51.6#



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

