

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW090119\
 Data File : VW012461.D
 Acq On : 01 Sep 2019 20:48
 Operator : SY/VA
 Sample : K4526-10RE
 Misc : 5.59G/5ML/MSVOA_W/SOIL
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 T9-12-13-F1-(1.9)

Quant Time: Sep 02 07:21:47 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W082319S.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 26 07:18:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	192406	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	318237	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	256198	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	91250	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	131384	57.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.88%	
35) Dibromofluoromethane	7.88	113	102012	53.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.40%	
50) Toluene-d8	10.32	98	388028	50.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.76%	
62) 4-Bromofluorobenzene	12.62	95	112252	41.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	82.68%	

Target Compounds

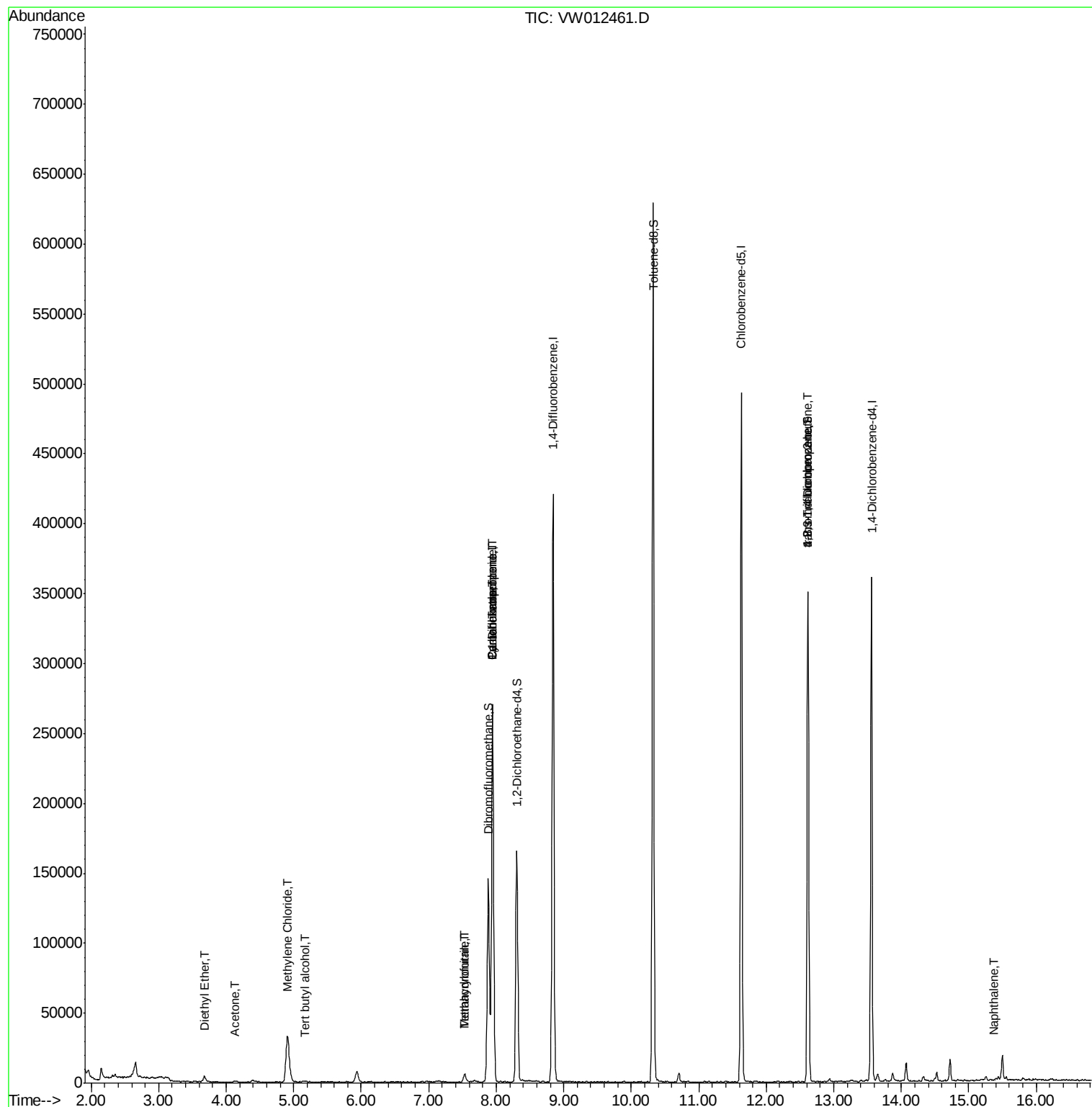
						Qvalue
8) Diethyl Ether	3.68	74	2011	1.878	ug/l	85
11) Tert butyl alcohol	5.17	59	430	3.124	ug/l #	91
16) Acetone	4.13	43	1476	2.525	ug/l #	67
20) Methylene Chloride	4.90	84	24908	11.269	ug/l	98
29) Tetrahydrofuran	7.53	42	4808	10.087	ug/l	95
31) Cyclohexane	7.94	56	5148	1.250	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	17384	5.286	ug/l #	53
38) Carbon Tetrachloride	7.95	117	19588	6.882	ug/l #	17
41) Methacrylonitrile	7.54	41	3145	2.969	ug/l #	57
76) 1,2,3-Trichloropropane	12.62	75	60973	68.608	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	60973	150.427	ug/l #	6
95) Naphthalene	15.38	128	225	4.381	ug/l #	69

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

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QLast Update : Mon Aug 26 07:18:31 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW012461.D

Acq: 01 Sep 2019 20:48

Instrument :

MSVOA_W

ClientSampleId :

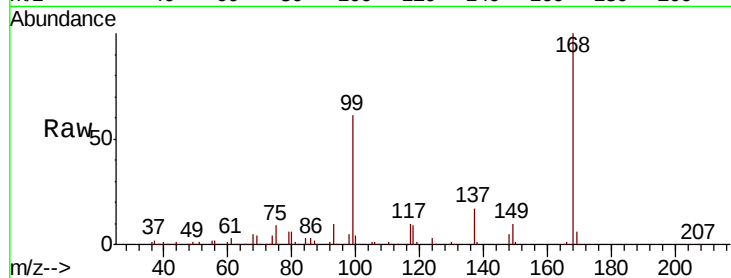
T9-12-13-F1-(1.9)

Tgt Ion:168 Resp: 192406

Ion Ratio Lower Upper

168 100

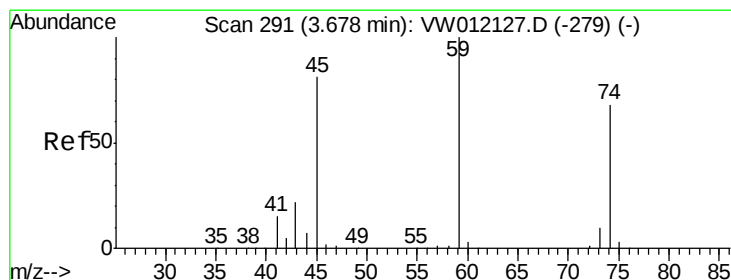
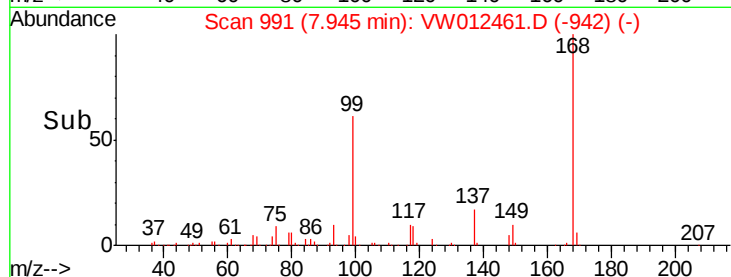
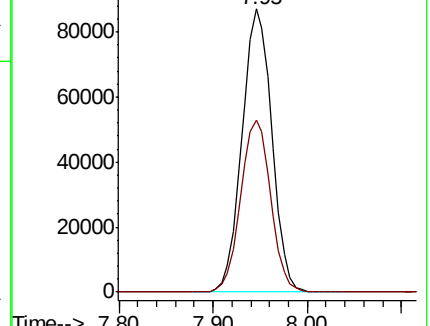
99 60.9 49.2 73.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95



#8

Diethyl Ether

Concen: 1.878 ug/l

RT: 3.68 min Scan# 292

Delta R.T. 0.01 min

Lab File: VW012461.D

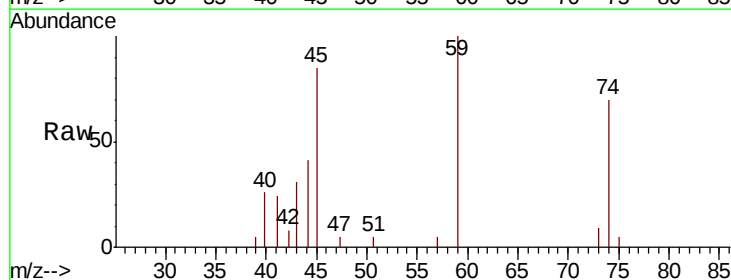
Acq: 01 Sep 2019 20:48

Tgt Ion: 74 Resp: 2011

Ion Ratio Lower Upper

74 100

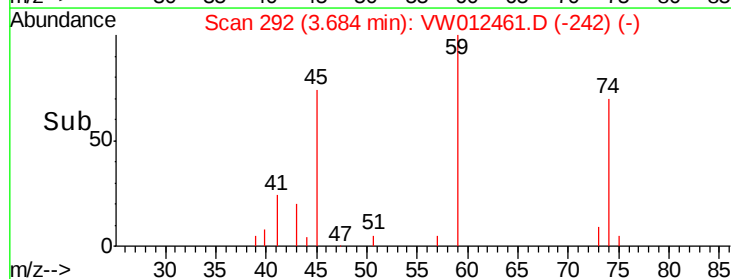
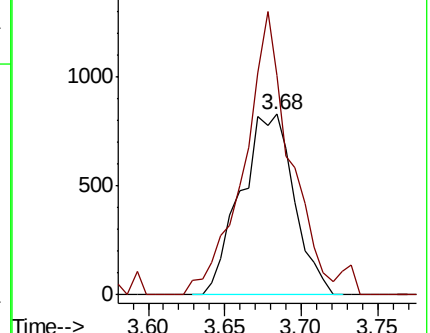
45 134.5 59.2 177.6

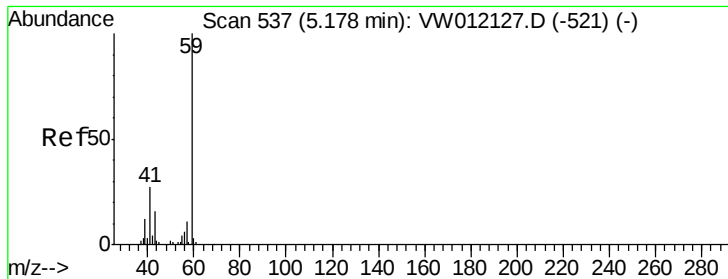


Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

3.68

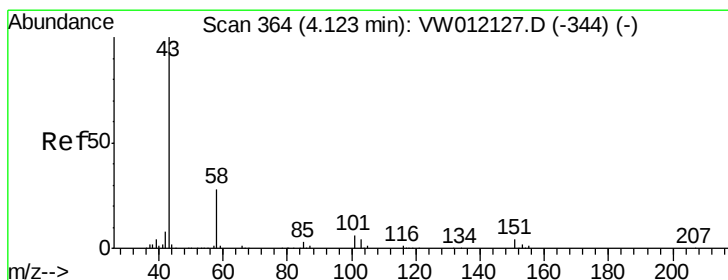
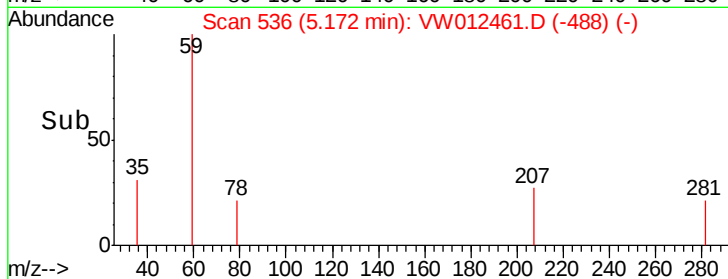
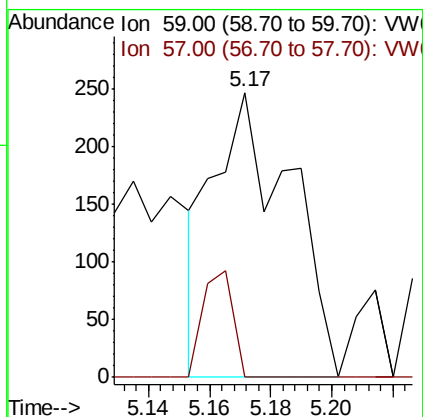
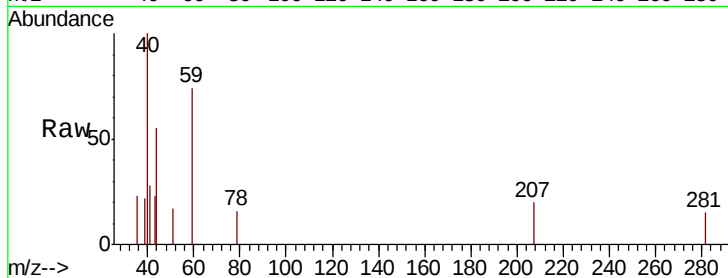




#11
Tert butyl alcohol
Concen: 3.124 ug/l
RT: 5.17 min Scan# 536
Delta R.T. -0.01 min
Lab File: VW012461.D
Acq: 01 Sep 2019 20:48

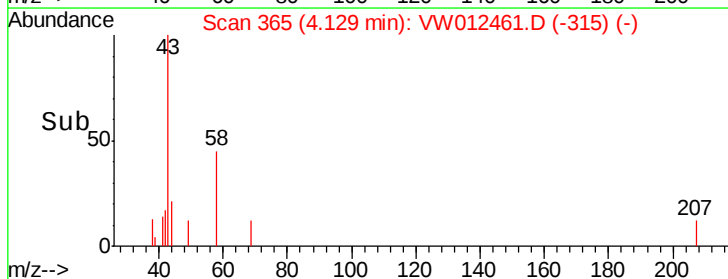
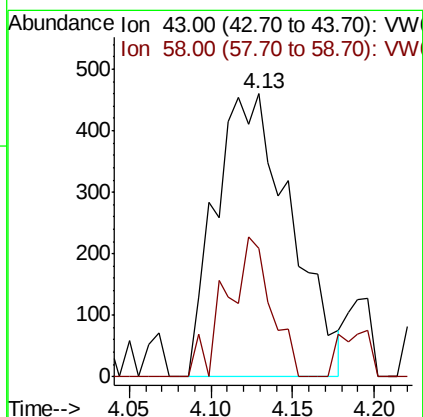
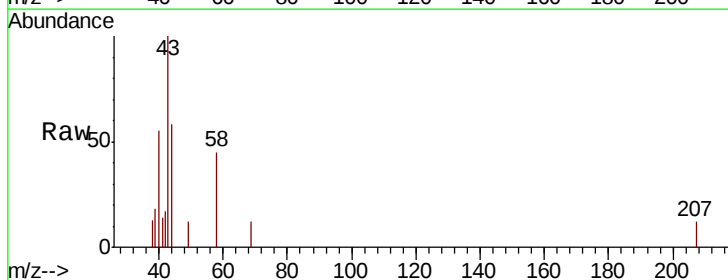
Instrument :
MSVOA_W
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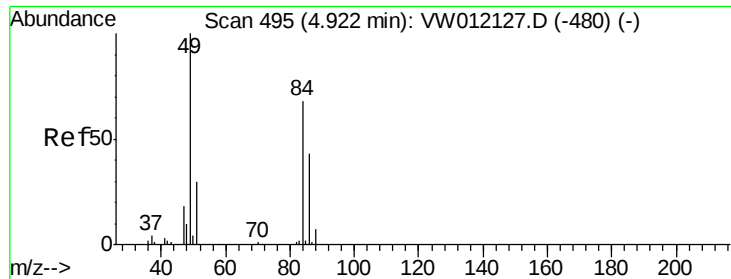
Tgt Ion: 59 Resp: 430
Ion Ratio Lower Upper
59 100
57 14.7 9.0 13.4#



#16
Acetone
Concen: 2.525 ug/l
RT: 4.13 min Scan# 365
Delta R.T. 0.01 min
Lab File: VW012461.D
Acq: 01 Sep 2019 20:48

Tgt Ion: 43 Resp: 1476
Ion Ratio Lower Upper
43 100
58 45.4 22.4 33.6#

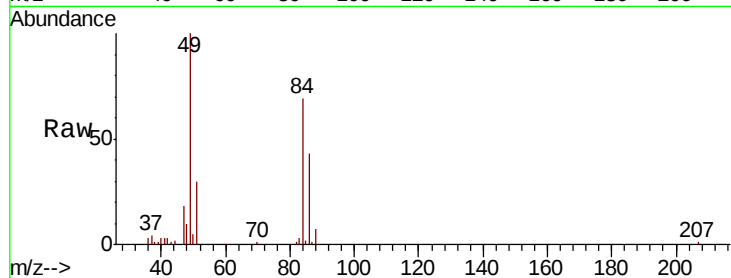




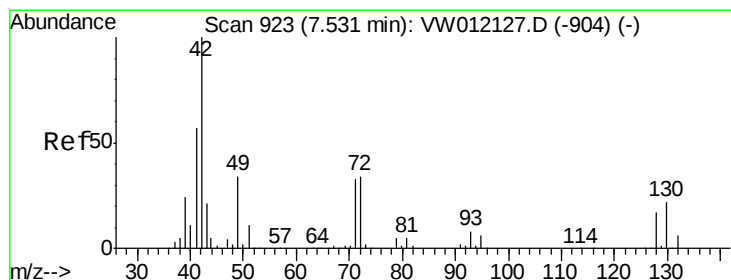
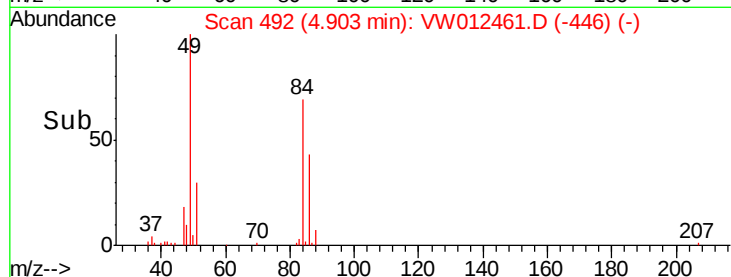
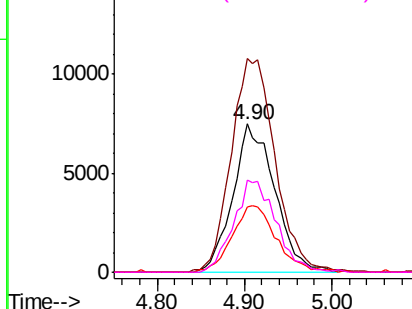
#20
Methylene Chloride
Concen: 11.269 ug/l
RT: 4.90 min Scan# 492
Delta R.T. -0.02 min
Lab File: VW012461.D
Acq: 01 Sep 2019 20:48

Instrument :
MSVOA_W
ClientSampleId :
T9-12-13-F1-(1.9)

Tgt Ion:	84	Resp:	24908
Ion	Ratio	Lower	Upper
84	100		
49	144.4	117.8	176.8
51	43.9	35.6	53.4
86	62.3	51.2	76.8

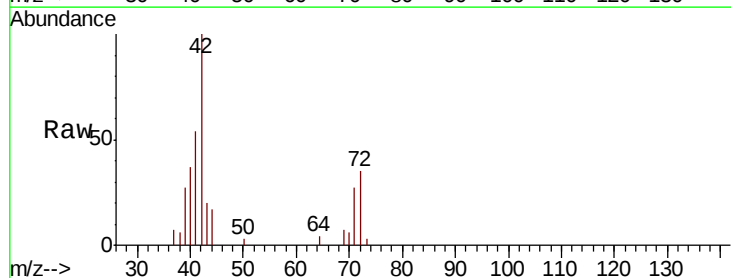


Abundance Ion 83.90 (83.60 to 84.60): VW
Ion 48.90 (48.60 to 49.60): VW
Ion 50.90 (50.60 to 51.60): VW
Ion 85.90 (85.60 to 86.60): VW

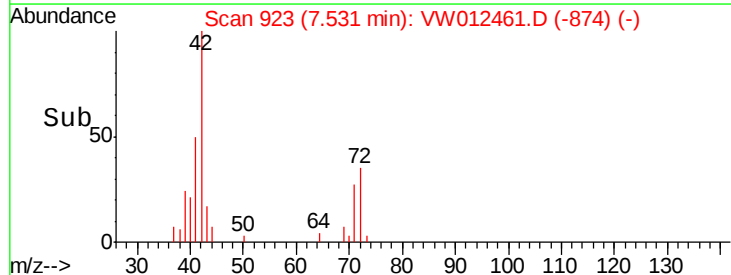
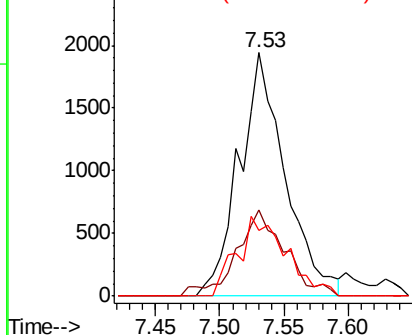


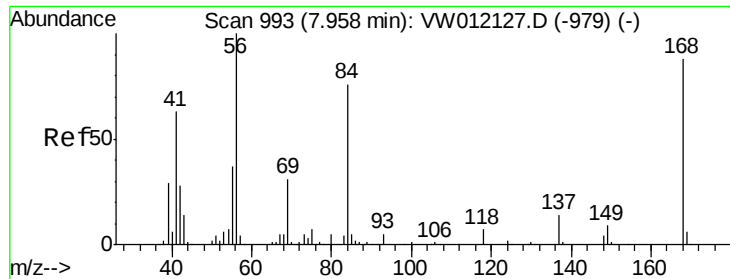
#29
Tetrahydrofuran
Concen: 10.087 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.00 min
Lab File: VW012461.D
Acq: 01 Sep 2019 20:48

Tgt Ion:	42	Resp:	4808
Ion	Ratio	Lower	Upper
42	100		
72	37.1	27.3	40.9
71	34.9	25.5	38.3



Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW

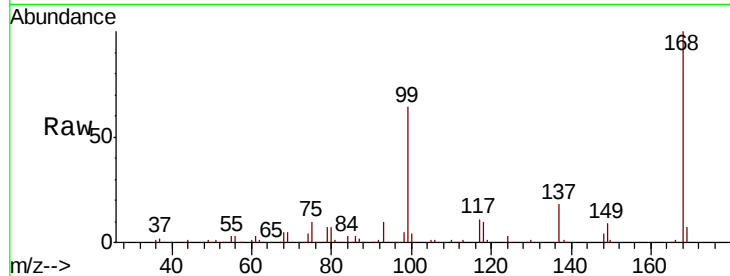




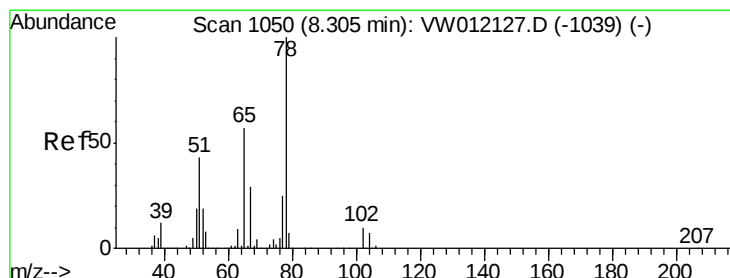
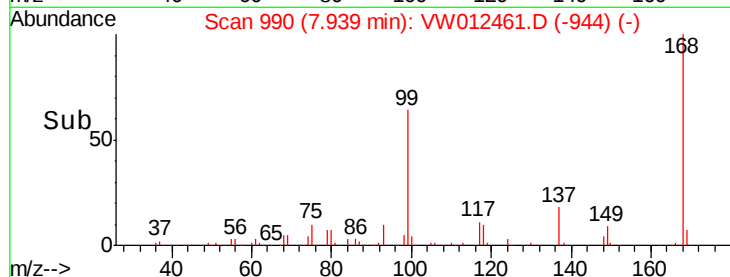
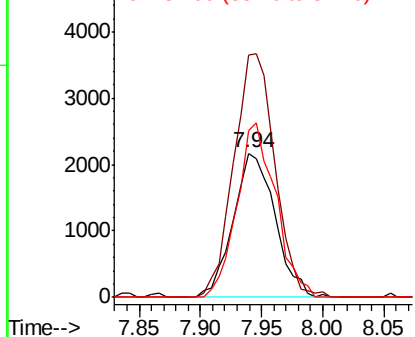
#31
Cyclohexane
Concen: 1.250 ug/l
RT: 7.94 min Scan# 990
Delta R.T. -0.02 min
Lab File: VW012461.D
Acq: 01 Sep 2019 20:48

Instrument :
MSVOA_W
ClientSampleId :
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Tgt Ion: 56 Resp: 5148
Ion Ratio Lower Upper
56 100
69 168.9 24.9 37.3#
84 116.2 60.6 90.8#

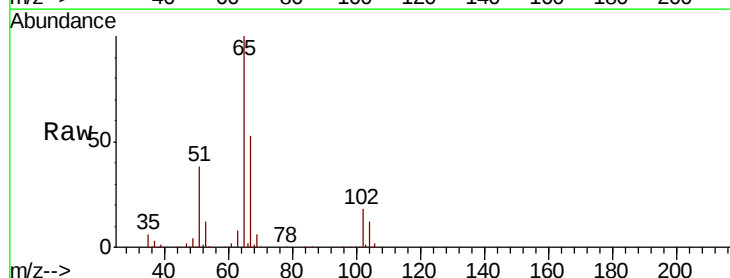


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

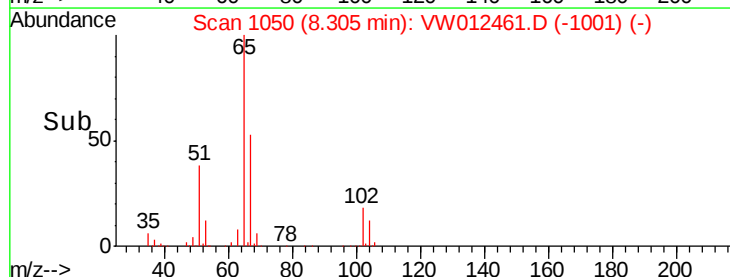
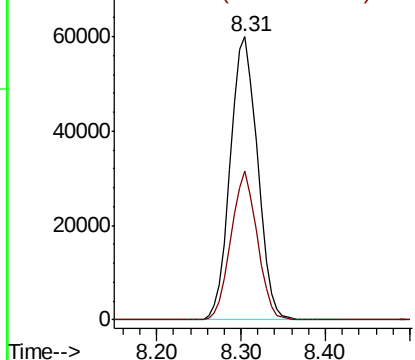


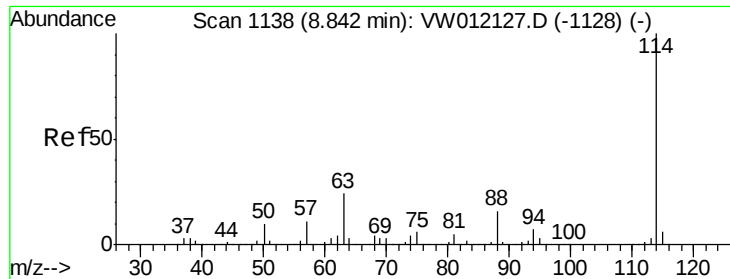
#33
1,2-Dichloroethane-d4
Concen: 57.442 ug/l
RT: 8.31 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VW012461.D
Acq: 01 Sep 2019 20:48

Tgt Ion: 65 Resp: 131384
Ion Ratio Lower Upper
65 100
67 50.6 0.0 102.6



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

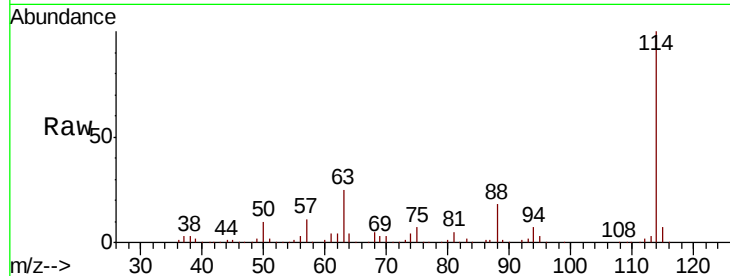




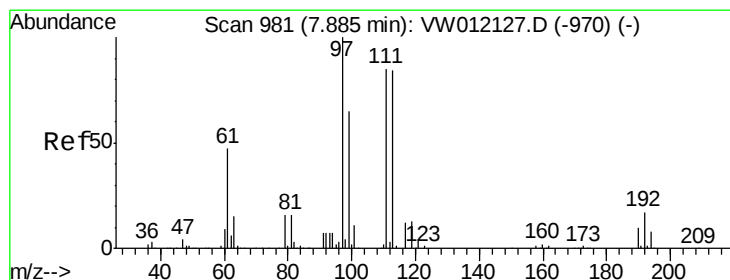
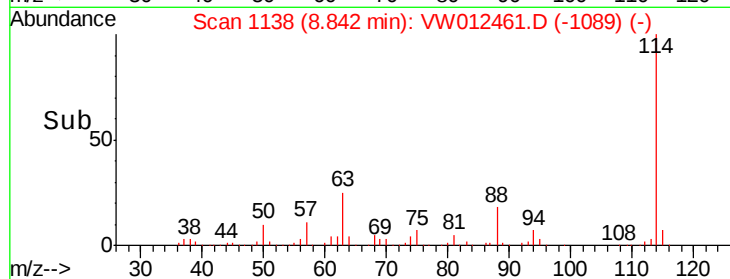
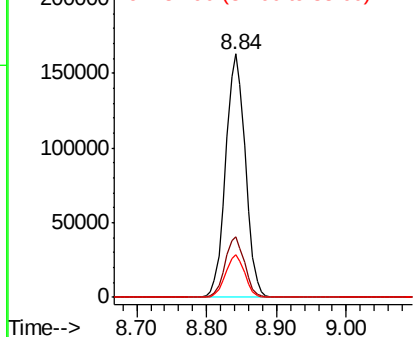
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.84 min Scan# 1138
Delta R.T. -0.00 min
Lab File: VW012461.D
Acq: 01 Sep 2019 20:48

Instrument :
MSVOA_W
ClientSampleId :
T9-12-13-F1-(1.9)

Tgt Ion:114 Resp: 318237
Ion Ratio Lower Upper
114 100
63 25.0 0.0 48.6
88 17.8 0.0 32.2

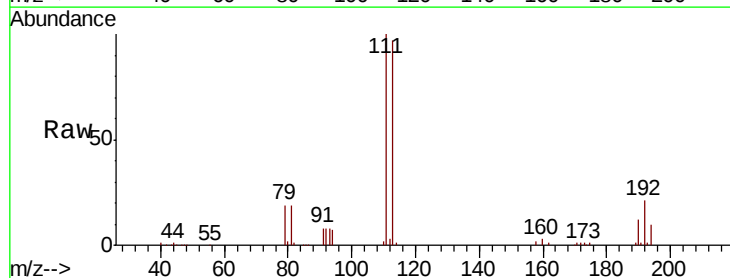


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VW
Ion 87.90 (87.60 to 88.60): VW

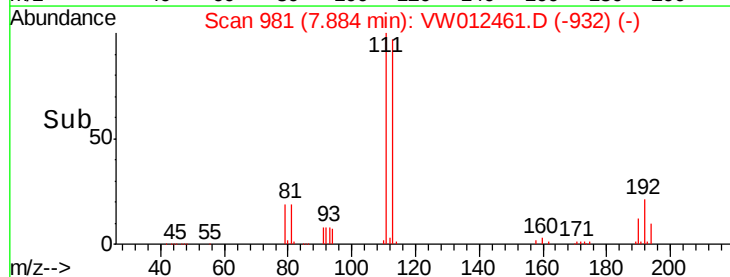
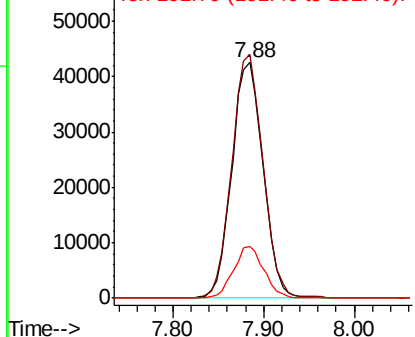


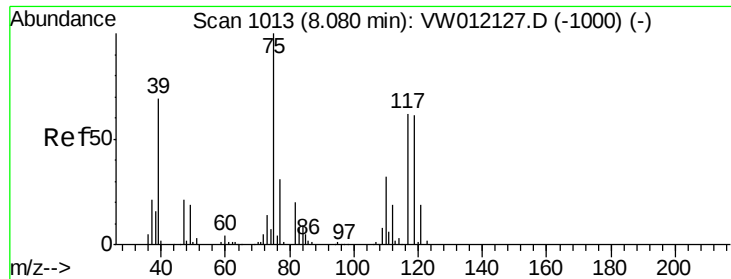
#35
Dibromofluoromethane
Concen: 53.703 ug/l
RT: 7.88 min Scan# 981
Delta R.T. -0.00 min
Lab File: VW012461.D
Acq: 01 Sep 2019 20:48

Tgt Ion:113 Resp: 102012
Ion Ratio Lower Upper
113 100
111 102.4 82.7 124.1
192 21.0 16.2 24.2



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

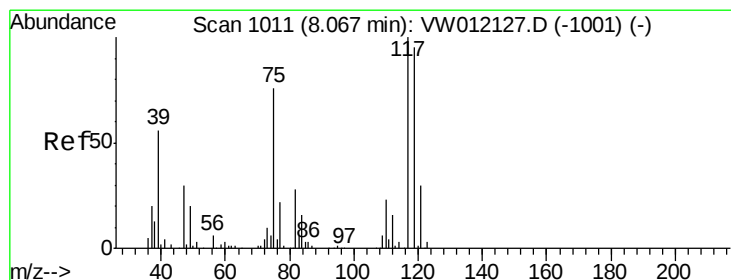
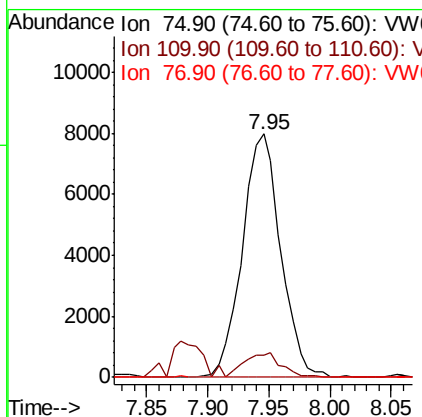
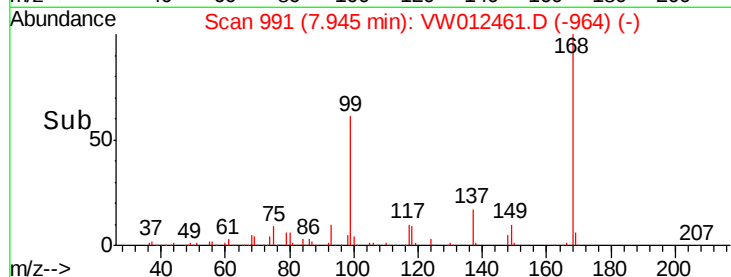
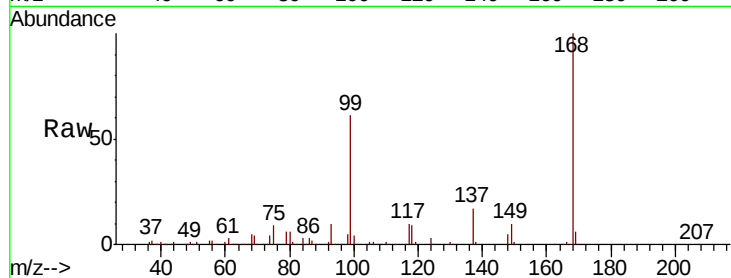




#36
 1,1-Dichloropropene
 Concen: 5.286 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW012461.D
 Acq: 01 Sep 2019 20:48

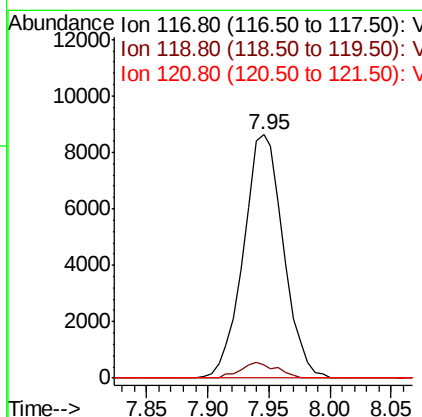
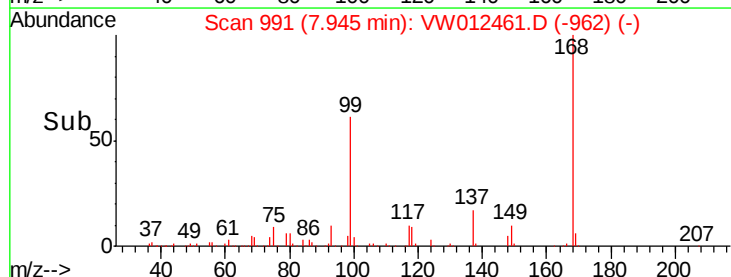
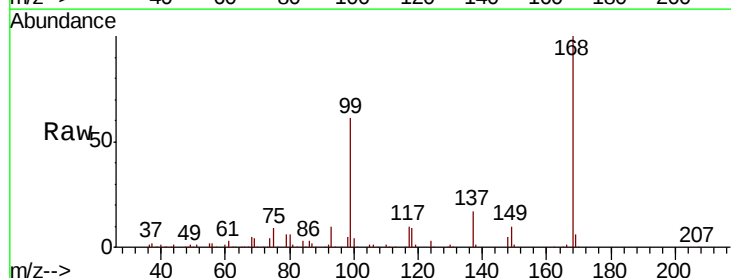
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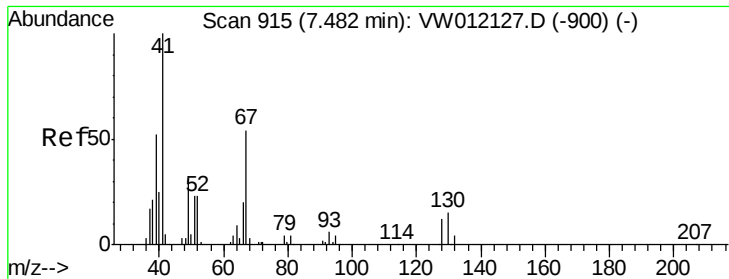
Tgt Ion: 75 Resp: 17384
 Ion Ratio Lower Upper
 75 100
 110 9.7 15.6 46.8#
 77 0.0 24.6 36.8#



#38
 Carbon Tetrachloride
 Concen: 6.882 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW012461.D
 Acq: 01 Sep 2019 20:48

Tgt Ion: 117 Resp: 19588
 Ion Ratio Lower Upper
 117 100
 119 5.5 76.2 114.2#
 121 0.0 23.8 35.8#

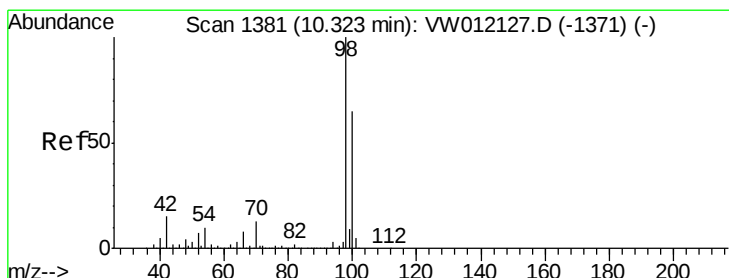
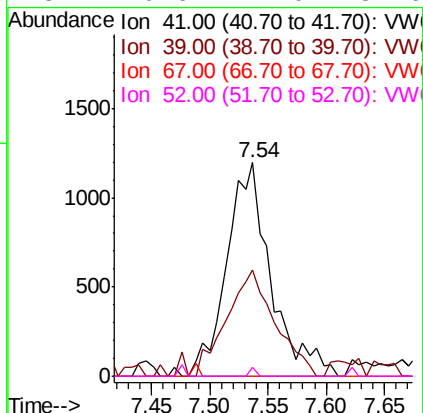
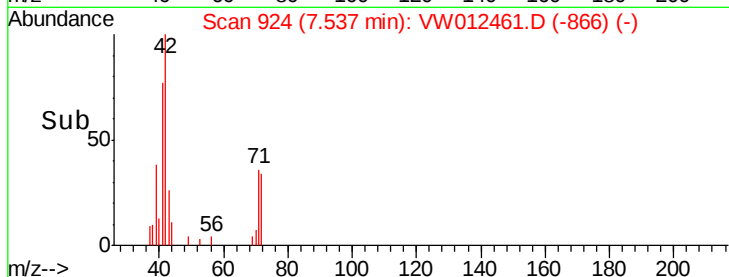
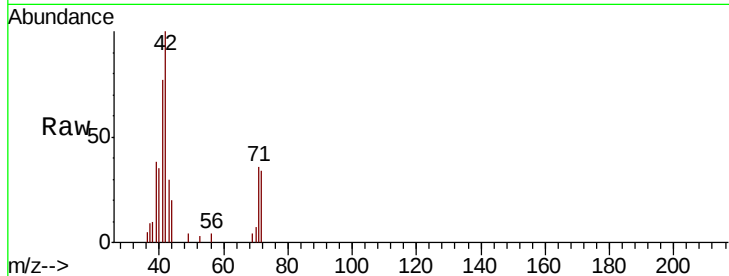




#41
Methacrylonitrile
Concen: 2.969 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.05 min
Lab File: VW012461.D
Acq: 01 Sep 2019 20:48

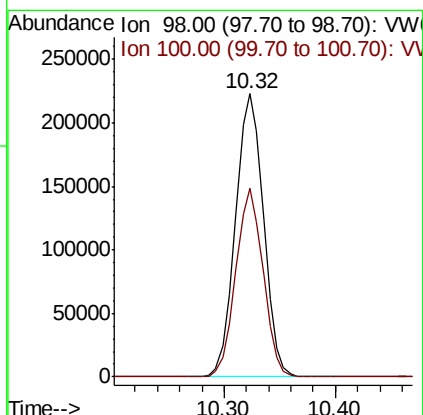
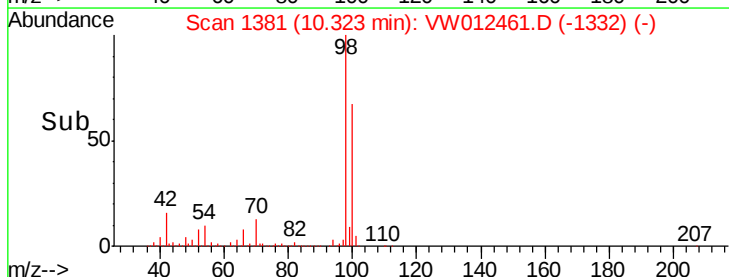
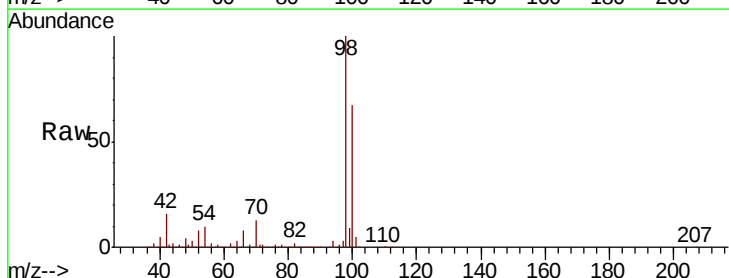
Instrument :
MSVOA_W
ClientSampleId :
T9-12-13-F1-(1.9)

Tgt Ion:	41	Resp:	3145
Ion	Ratio	Lower	Upper
41	100		
39	54.5	45.8	68.8
67	0.0	46.2	69.4#
52	0.6	21.0	31.6#



#50
Toluene-d8
Concen: 50.379 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW012461.D
Acq: 01 Sep 2019 20:48

Tgt Ion:	98	Resp:	388028
Ion	Ratio	Lower	Upper
98	100		
100	65.1	52.4	78.6





#62

4-Bromofluorobenzene

Concen: 41.345 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW012461.D

Acq: 01 Sep 2019 20:48

Instrument :

MSVOA_W

ClientSampleId :

T9-12-13-F1-(1.9)

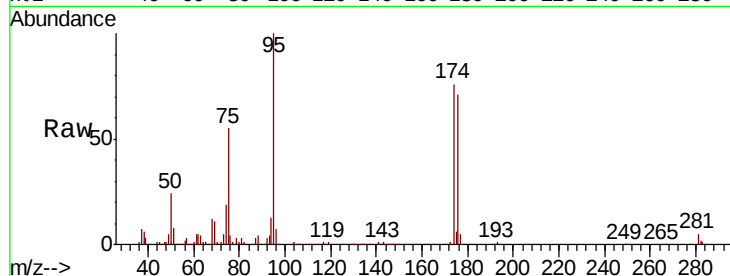
Tgt Ion: 95 Resp: 112252

Ion Ratio Lower Upper

95 100

174 77.8 0.0 150.8

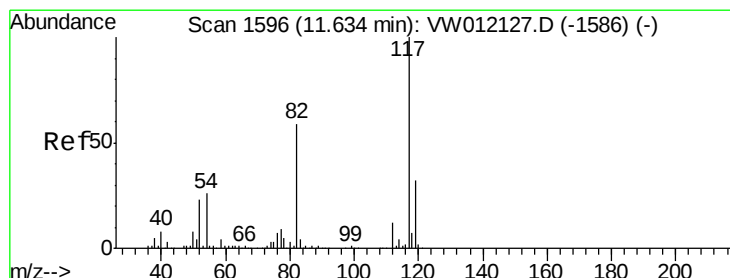
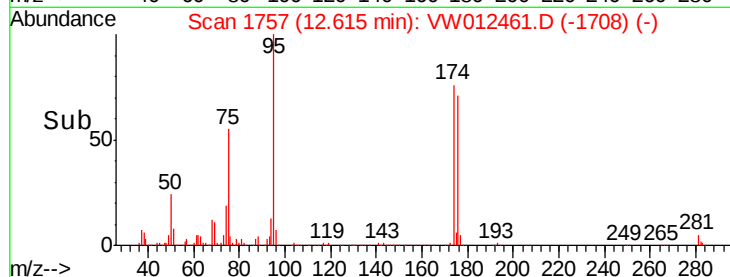
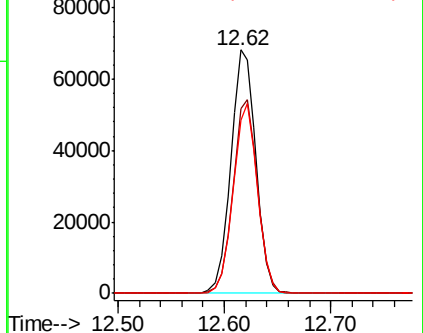
176 75.8 0.0 148.6



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): VW

Ion 175.80 (175.50 to 176.50): VW



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1596

Delta R.T. -0.00 min

Lab File: VW012461.D

Acq: 01 Sep 2019 20:48

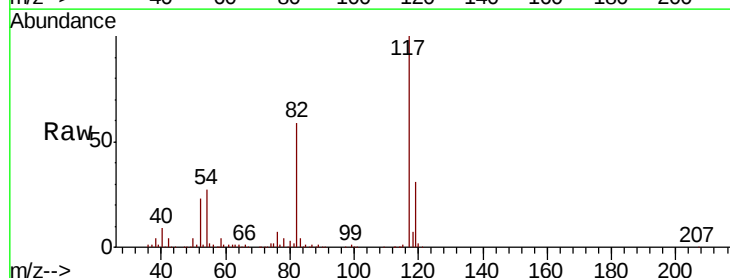
Tgt Ion: 117 Resp: 256198

Ion Ratio Lower Upper

117 100

82 58.8 47.4 71.2

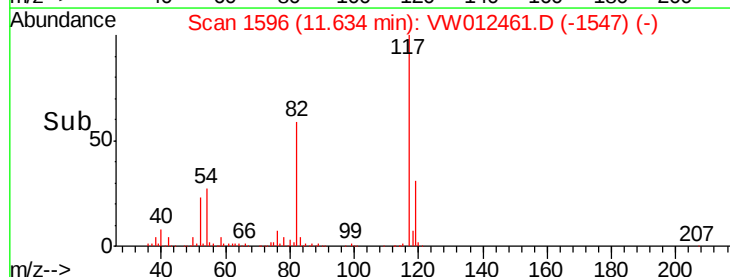
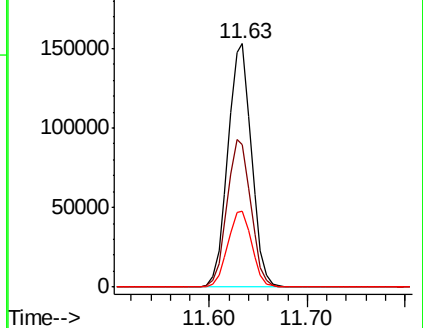
119 31.3 25.4 38.2

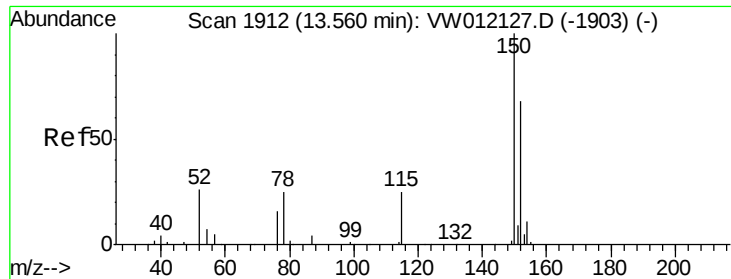


Abundance Ion 116.90 (116.60 to 117.60): VW

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW012461.D

Acq: 01 Sep 2019 20:48

Instrument :

MSVOA_W

ClientSampleId :

T9-12-13-F1-(1.9)

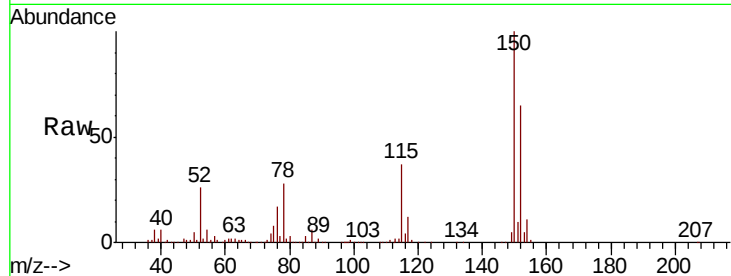
Tgt Ion:152 Resp: 91250

Ion Ratio Lower Upper

152 100

115 60.0 30.1 90.3

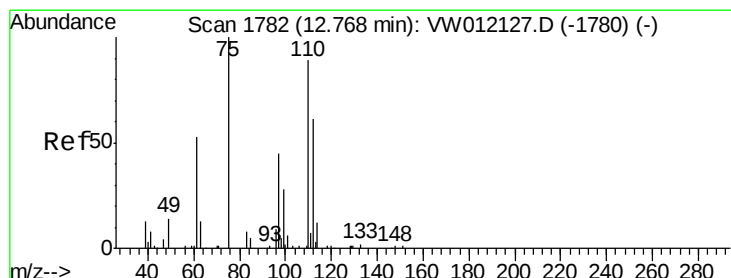
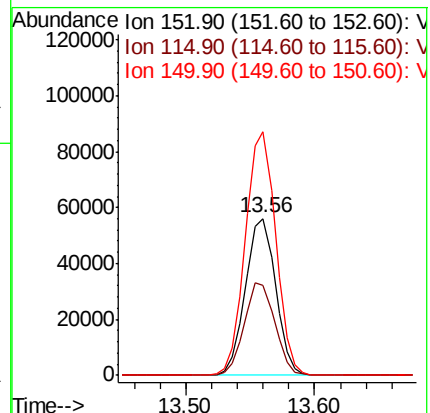
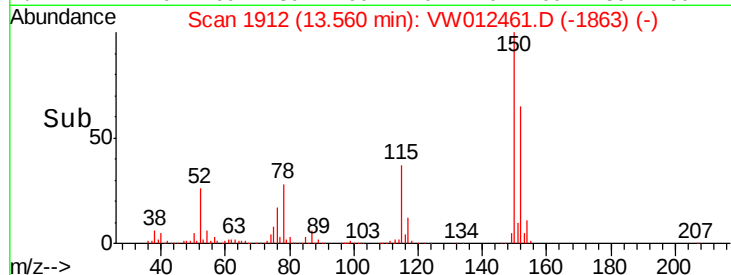
150 155.8 0.0 345.8



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: 68.608 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW012461.D

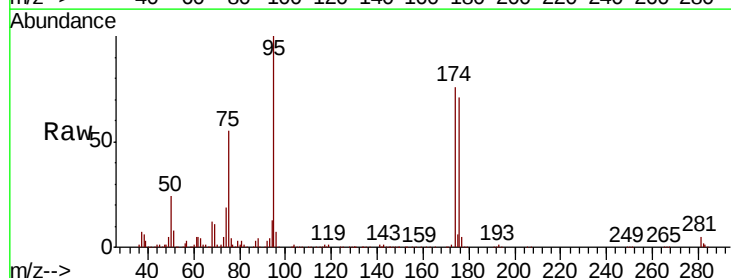
Acq: 01 Sep 2019 20:48

Tgt Ion: 75 Resp: 60973

Ion Ratio Lower Upper

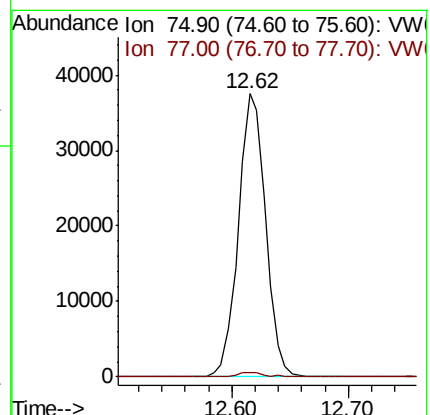
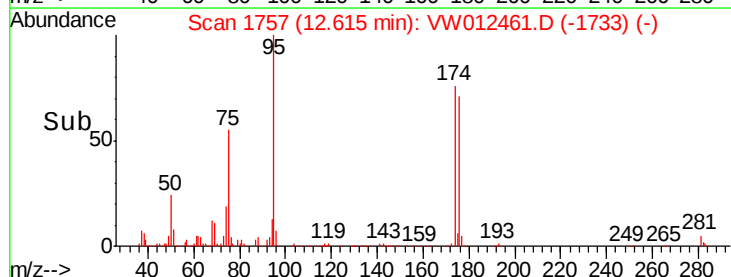
75 100

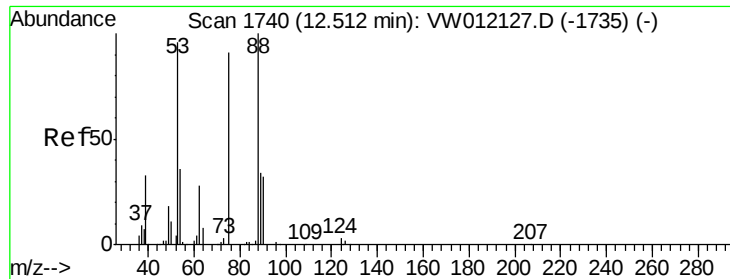
77 1.4 0.0 0.0#



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: 150.427 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW012461.D

Acq: 01 Sep 2019 20:48

Instrument :

MSVOA_W

ClientSampleId :

T9-12-13-F1-(1.9)

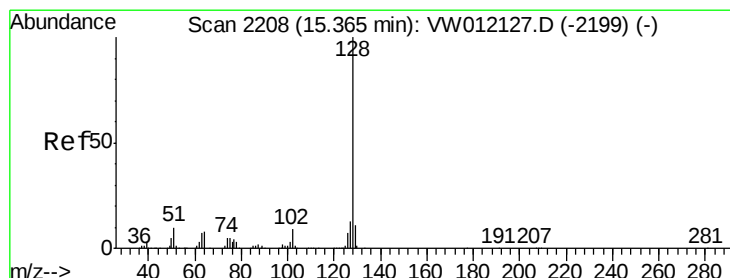
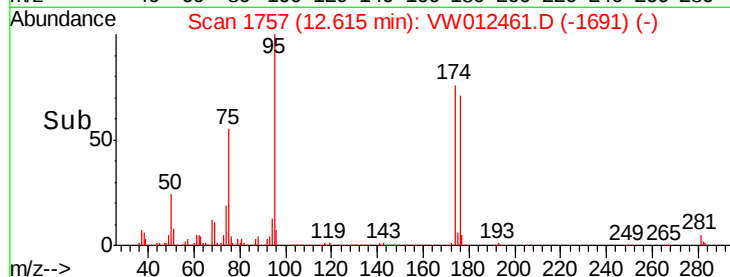
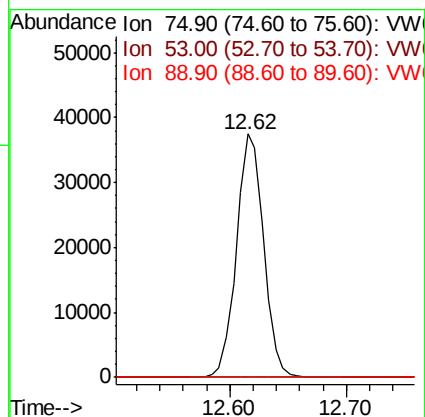
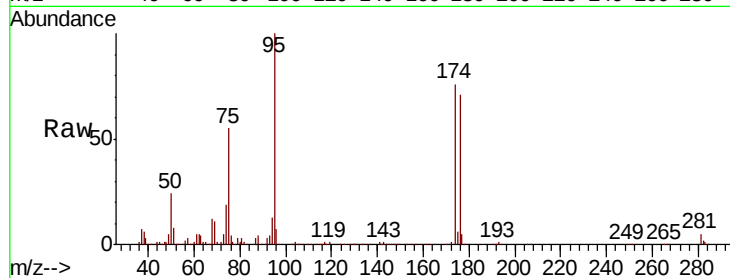
Tgt Ion: 75 Resp: 60973

Ion Ratio Lower Upper

75 100

53 0.4 89.4 134.0#

89 0.1 34.5 51.7#



#95

Naphthalene

Concen: 4.381 ug/l

RT: 15.38 min Scan# 2210

Delta R.T. 0.01 min

Lab File: VW012461.D

Acq: 01 Sep 2019 20:48

Tgt Ion: 128 Resp: 225

Ion Ratio Lower Upper

128 100

127 0.0 10.7 16.1#

129 0.0 8.7 13.1#

