

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW082319\
 Data File : VW012141.D
 Acq On : 23 Aug 2019 18:58
 Operator : SY/VA
 Sample : K4474-03
 Misc : 5.69G/5ML/MSVOA_W/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 T1-2-F2-(0)

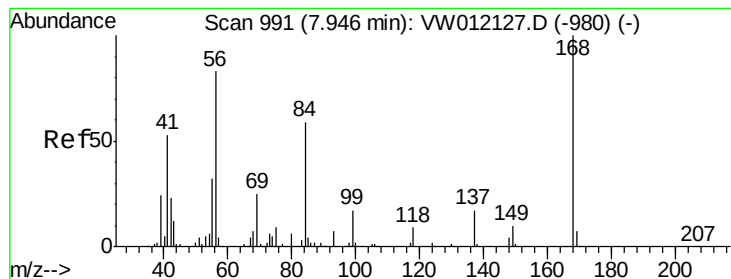
Quant Time: Aug 26 07:29:50 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W082319S.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 26 07:18:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	224830	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	377416	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	307893	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	113240	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	147672	55.25	ug/l	0.00
Spiked Amount			Recovery	=	110.50%	
35) Dibromofluoromethane	7.88	113	116833	51.86	ug/l	0.00
Spiked Amount			Recovery	=	103.72%	
50) Toluene-d8	10.32	98	461076	50.48	ug/l	0.00
Spiked Amount			Recovery	=	100.96%	
62) 4-Bromofluorobenzene	12.62	95	139660	43.37	ug/l	0.00
Spiked Amount			Recovery	=	86.74%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.68	74	1629	1.302	ug/l	74
11) Tert butyl alcohol	5.18	59	331	2.058	ug/l #	71
16) Acetone	4.14	43	993	1.453	ug/l	91
20) Methylene Chloride	4.92	84	19414	7.517	ug/l	96
29) Tetrahydrofuran	7.53	42	4819	8.652	ug/l	95
31) Cyclohexane	7.95	56	5910	1.228	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	19428	4.981	ug/l #	52
38) Carbon Tetrachloride	7.95	117	22707	6.727	ug/l #	16
41) Methacrylonitrile	7.53	41	3113	2.478	ug/l #	52
76) 1,2,3-Trichloropropane	12.62	75	74294	67.364	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	74294	147.698	ug/l #	6
95) Naphthalene	15.37	128	341	4.394	ug/l #	69

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

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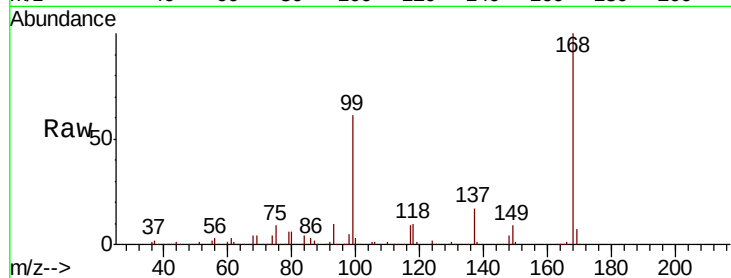
T1-2-F2-(0)

Tgt Ion:168 Resp: 224830

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

120000

100000

80000

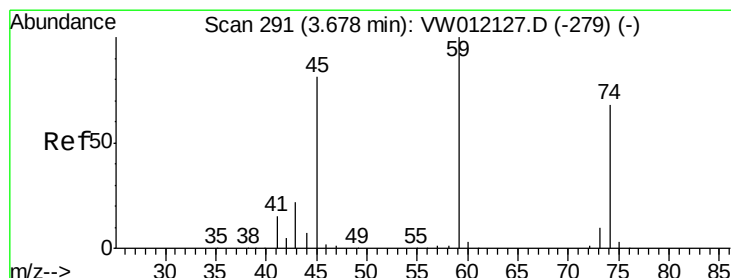
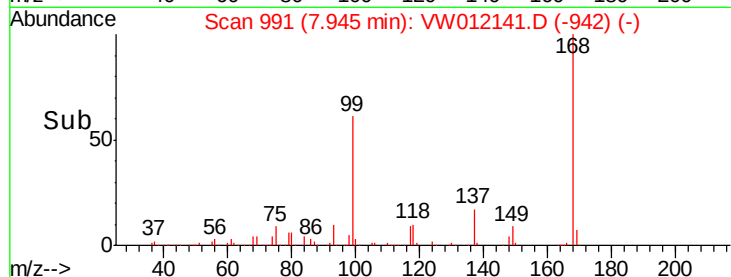
60000

40000

20000

0

Time-->



#8

Diethyl Ether

Concen: 1.302 ug/l

RT: 3.68 min Scan# 292

Delta R.T. 0.01 min

Lab File: VW012141.D

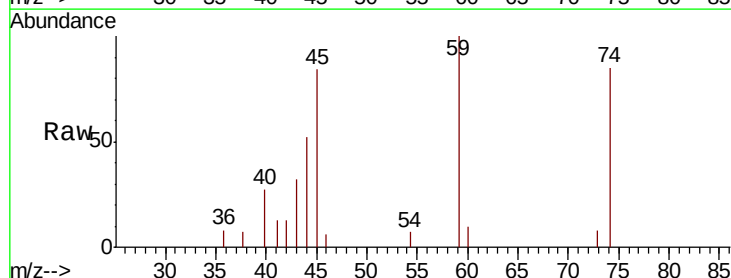
Acq: 23 Aug 2019 18:58

Tgt Ion: 74 Resp: 1629

Ion Ratio Lower Upper

74 100

45 146.8 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

800

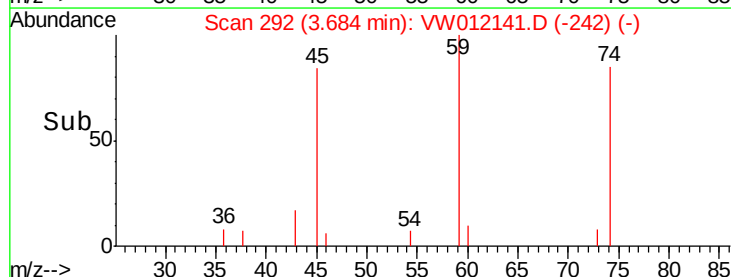
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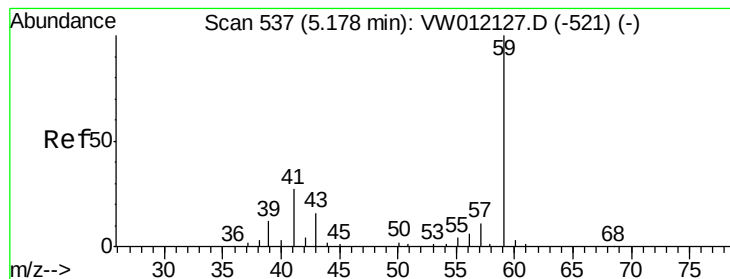
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200

0

Time-->



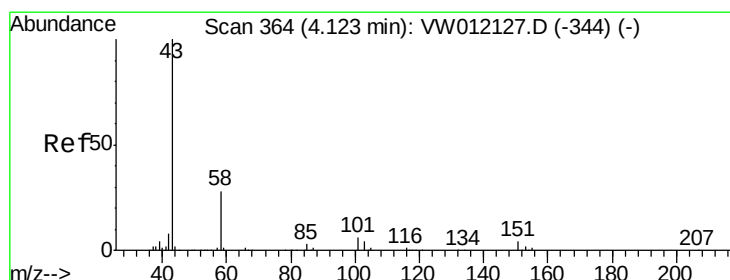
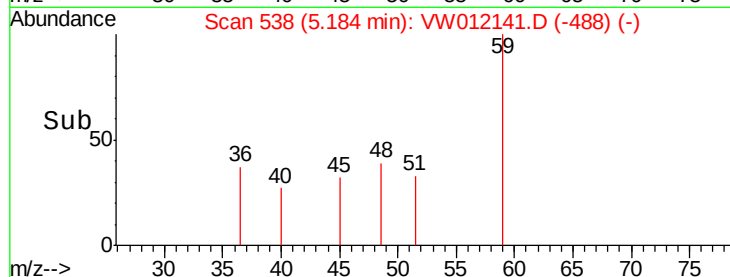
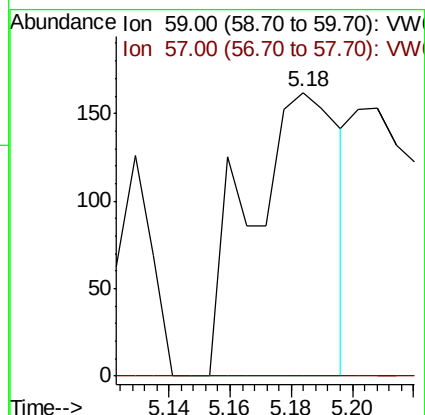
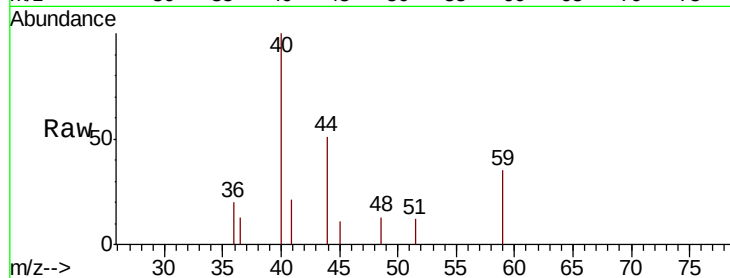


#11

Tert butyl alcohol
Concen: 2.058 ug/l
RT: 5.18 min Scan# 538
Delta R.T. 0.01 min
Lab File: VW012141.D
Acq: 23 Aug 2019 18:58

Instrument :
MSVOA_W
ClientSampleId :
T1-2-F2-(0)

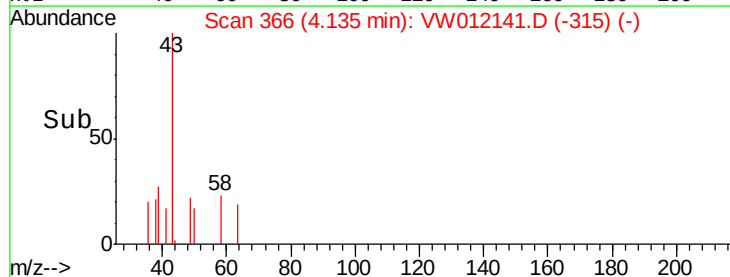
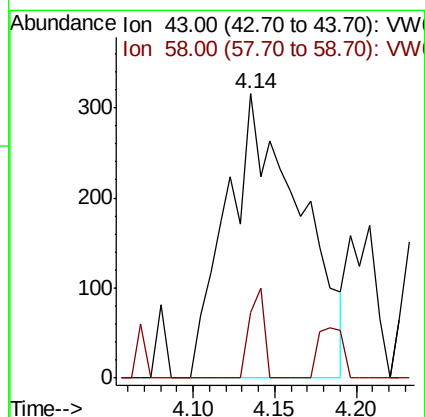
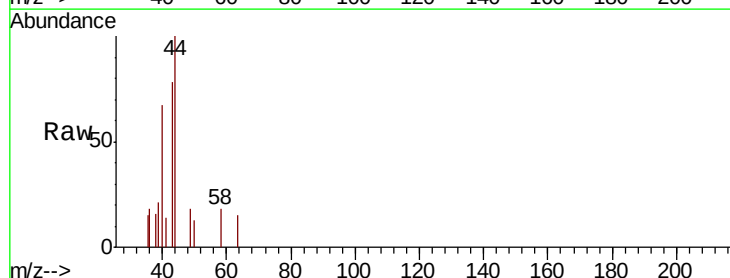
Tgt Ion: 59 Resp: 331
Ion Ratio Lower Upper
59 100
57 0.0 9.0 13.4#

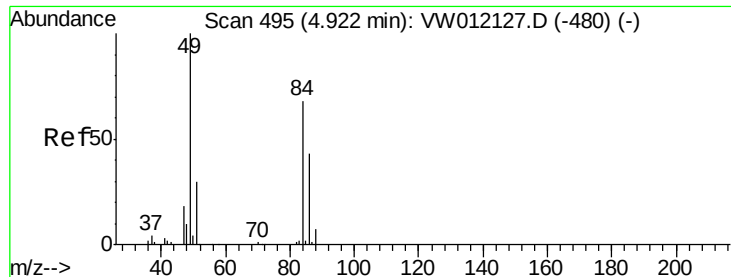


#16

Acetone
Concen: 1.453 ug/l
RT: 4.14 min Scan# 366
Delta R.T. 0.01 min
Lab File: VW012141.D
Acq: 23 Aug 2019 18:58

Tgt Ion: 43 Resp: 993
Ion Ratio Lower Upper
43 100
58 23.1 22.4 33.6

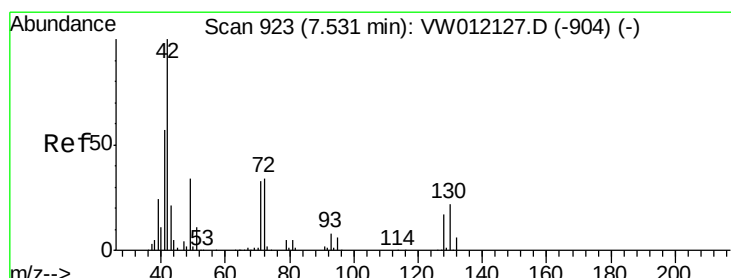
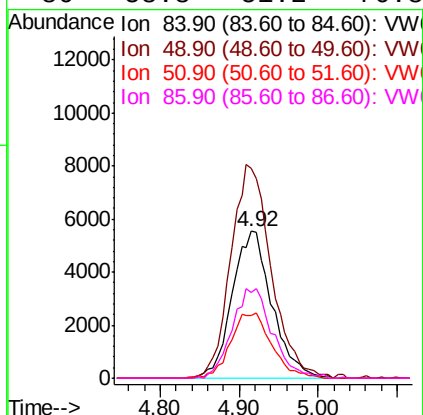
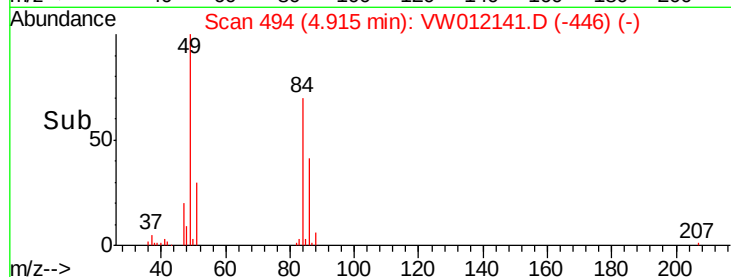
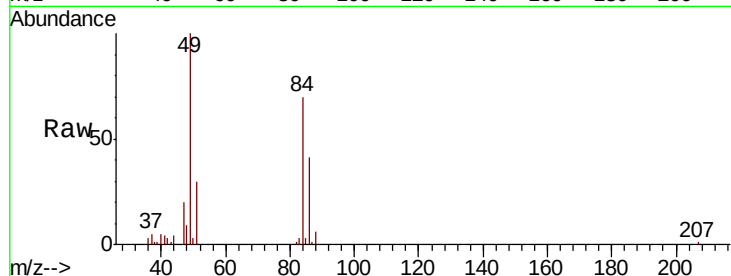




#20
Methylene Chloride
Concen: 7.517 ug/l
RT: 4.92 min Scan# 494
Delta R.T. -0.01 min
Lab File: VW012141.D
Acq: 23 Aug 2019 18:58

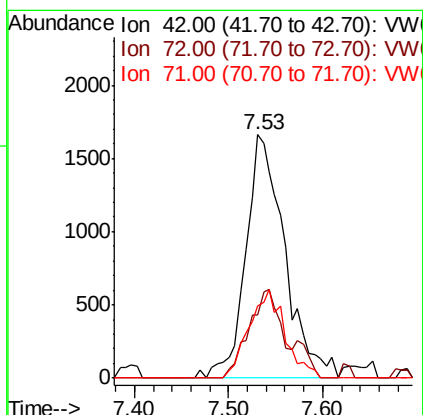
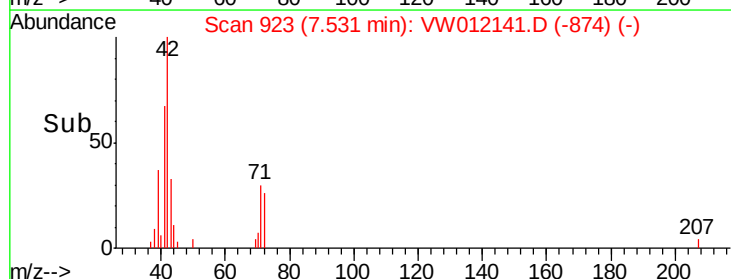
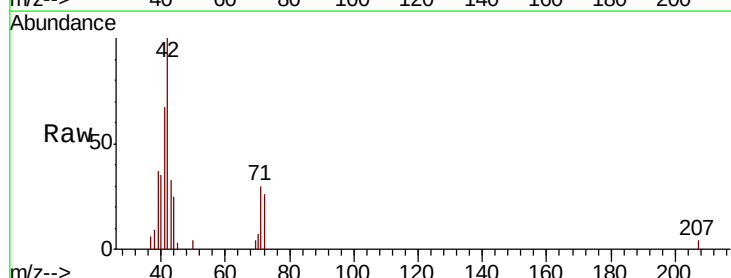
Instrument :
MSVOA_W
ClientSampleId :
T1-2-F2-(0)

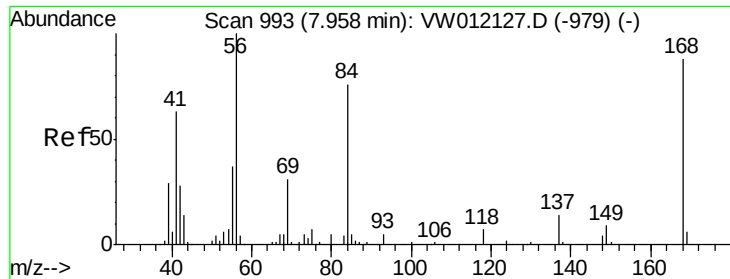
Tgt Ion:	84	Resp:	19414
Ion	Ratio	Lower	Upper
84	100		
49	143.1	117.8	176.8
51	42.3	35.6	53.4
86	58.8	51.2	76.8



#29
Tetrahydrofuran
Concen: 8.652 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.00 min
Lab File: VW012141.D
Acq: 23 Aug 2019 18:58

Tgt Ion:	42	Resp:	4819
Ion	Ratio	Lower	Upper
42	100		
72	30.2	27.3	40.9
71	33.4	25.5	38.3

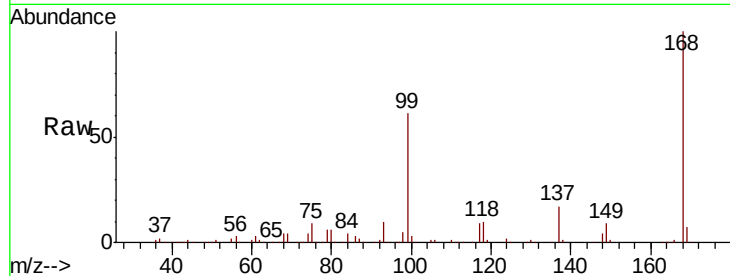




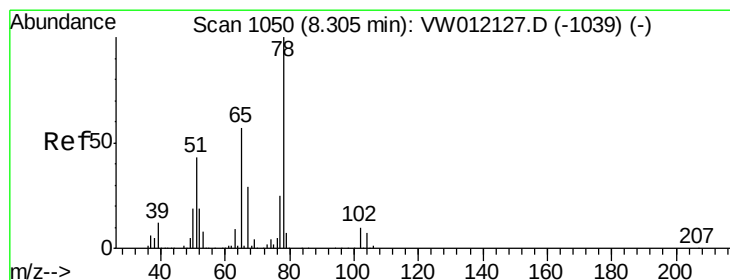
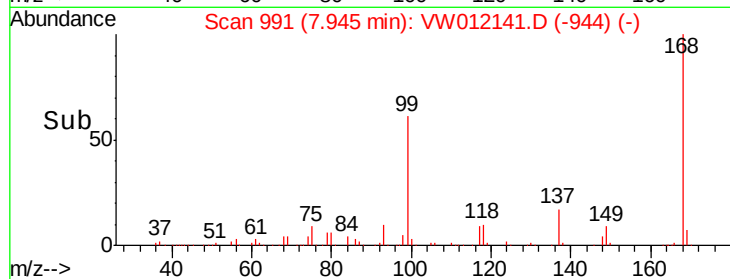
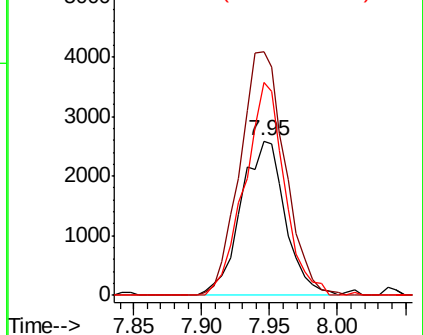
#31
Cyclohexane
Concen: 1.228 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW012141.D
Acq: 23 Aug 2019 18:58

Instrument :
MSVOA_W
ClientSampled :
T1-2-F2-(0)

Tgt Ion: 56 Resp: 5910
Ion Ratio Lower Upper
56 100
69 157.7 24.9 37.3#
84 138.2 60.6 90.8#

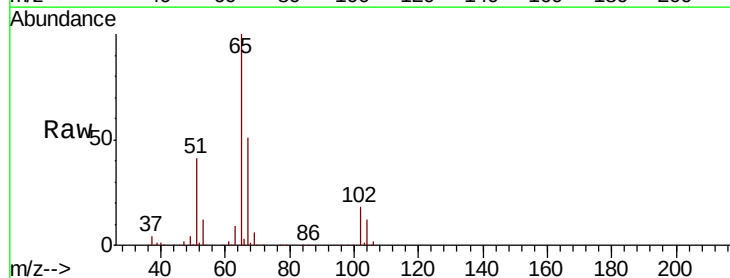


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

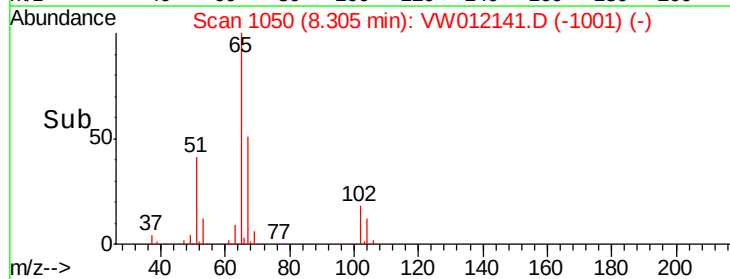
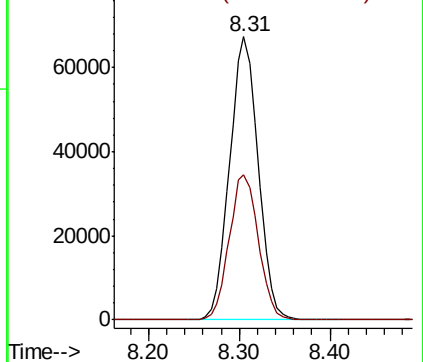


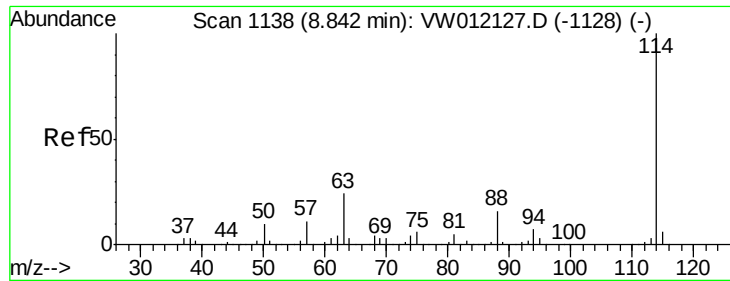
#33
1,2-Dichloroethane-d4
Concen: 55.252 ug/l
RT: 8.31 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VW012141.D
Acq: 23 Aug 2019 18:58

Tgt Ion: 65 Resp: 147672
Ion Ratio Lower Upper
65 100
67 52.2 0.0 102.6



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

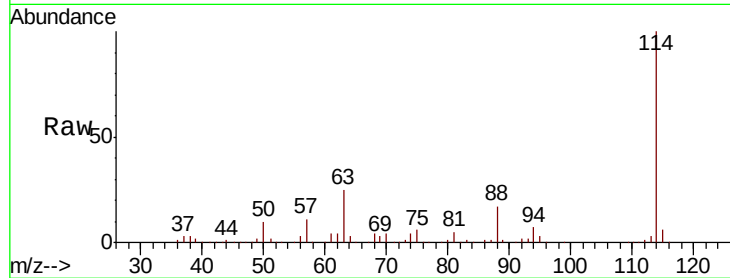




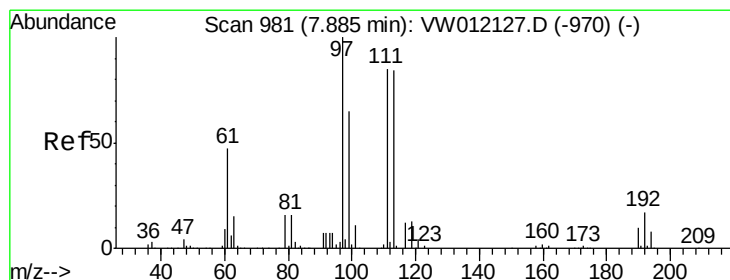
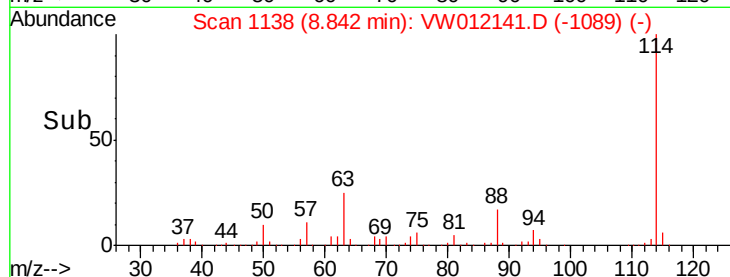
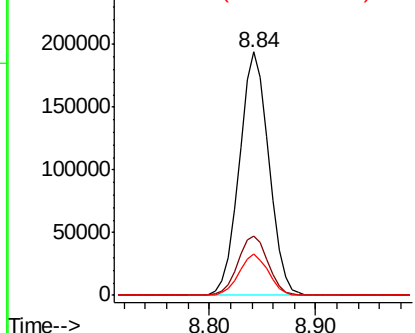
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012141.D
 Acq: 23 Aug 2019 18:58

Instrument :
 MSVOA_W
 ClientSampleId :
 T1-2-F2-(0)

Tgt Ion:114 Resp: 377416
 Ion Ratio Lower Upper
 114 100
 63 24.6 0.0 48.6
 88 16.7 0.0 32.2

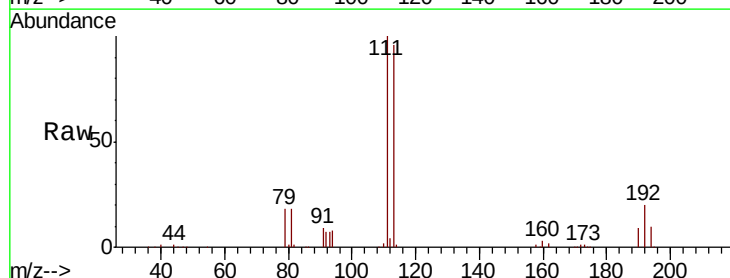


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

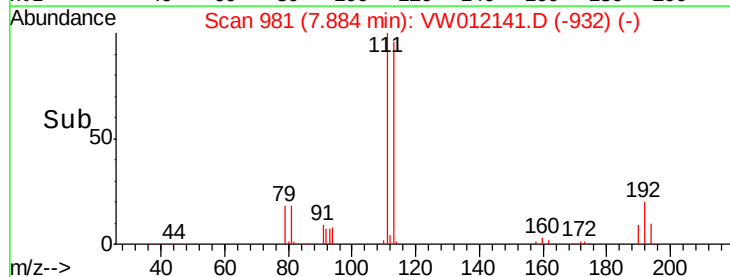
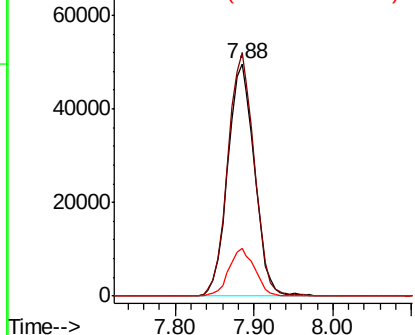


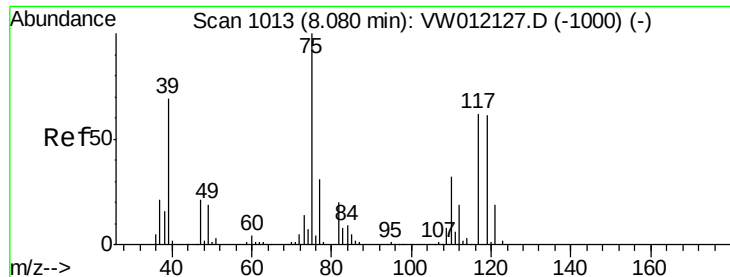
#35
 Dibromofluoromethane
 Concen: 51.861 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW012141.D
 Acq: 23 Aug 2019 18:58

Tgt Ion:113 Resp: 116833
 Ion Ratio Lower Upper
 113 100
 111 103.8 82.7 124.1
 192 19.9 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

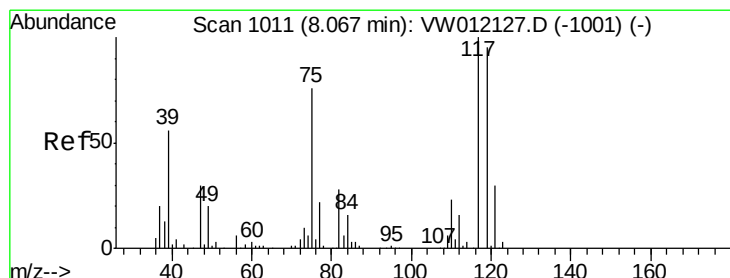
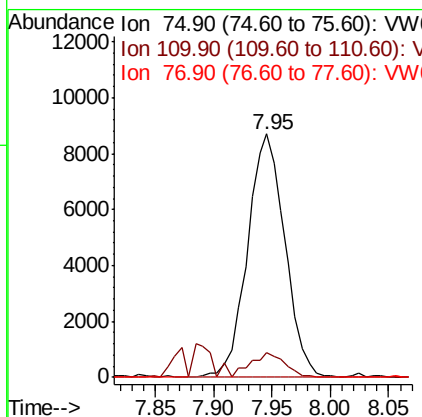
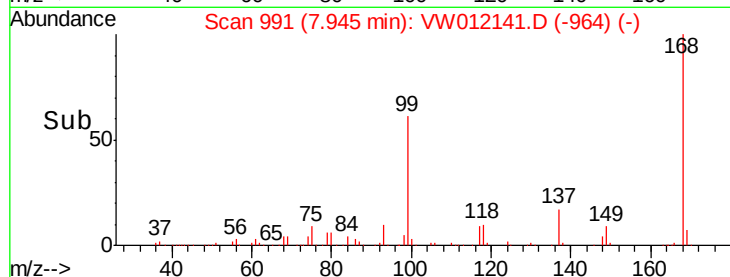
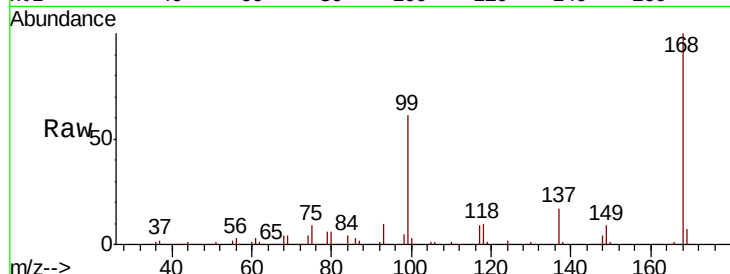




#36
 1,1-Dichloropropene
 Concen: 4.981 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW012141.D
 Acq: 23 Aug 2019 18:58

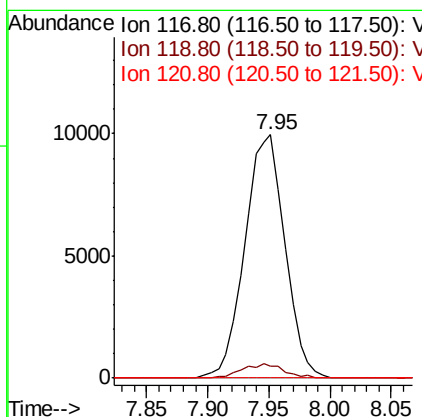
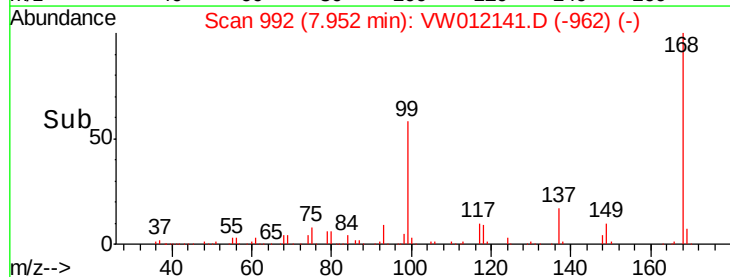
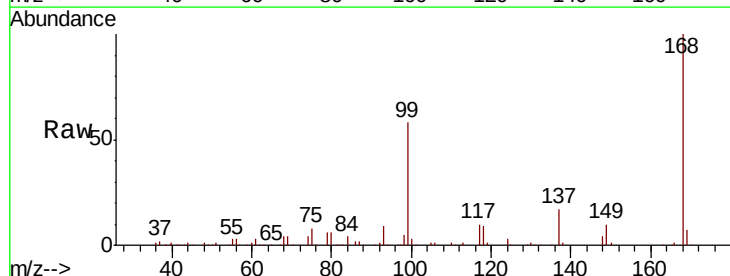
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 T1-2-F2-(0)

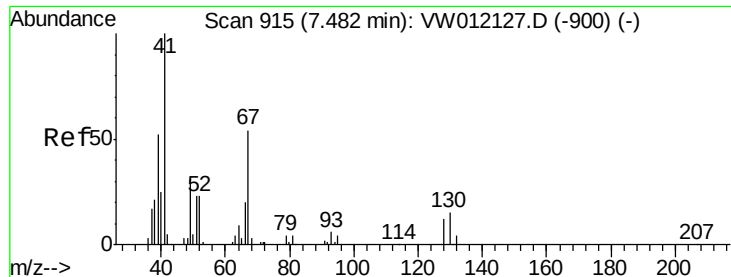
Tgt Ion: 75 Resp: 19428
 Ion Ratio Lower Upper
 75 100
 110 9.2 15.6 46.8#
 77 0.0 24.6 36.8#



#38
 Carbon Tetrachloride
 Concen: 6.727 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.12 min
 Lab File: VW012141.D
 Acq: 23 Aug 2019 18:58

Tgt Ion: 117 Resp: 22707
 Ion Ratio Lower Upper
 117 100
 119 5.2 76.2 114.2#
 121 0.0 23.8 35.8#

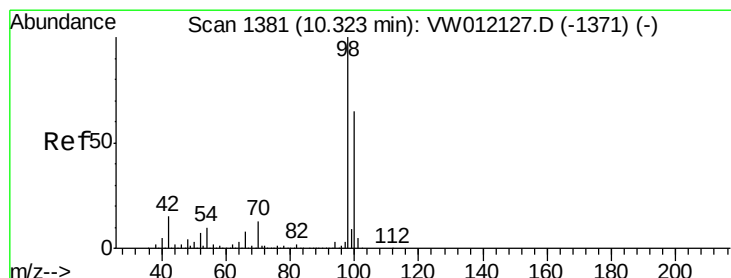
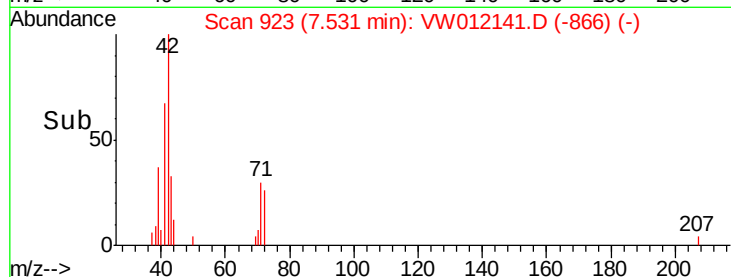
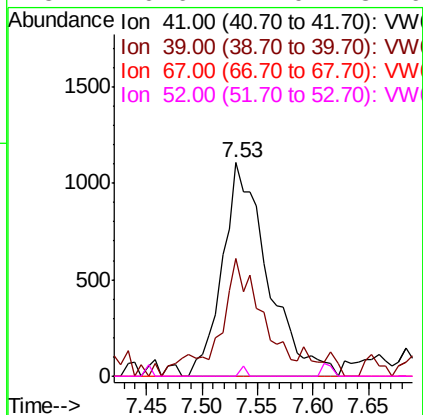
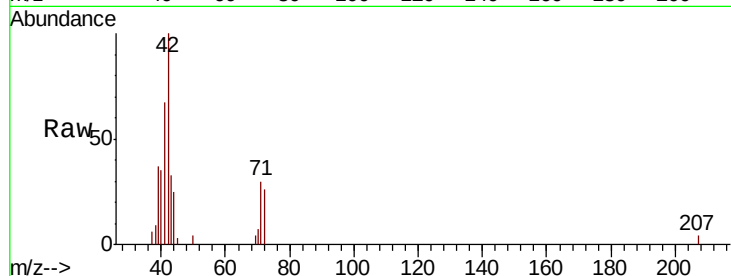




#41
Methacrylonitrile
Concen: 2.478 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.05 min
Lab File: VW012141.D
Acq: 23 Aug 2019 18:58

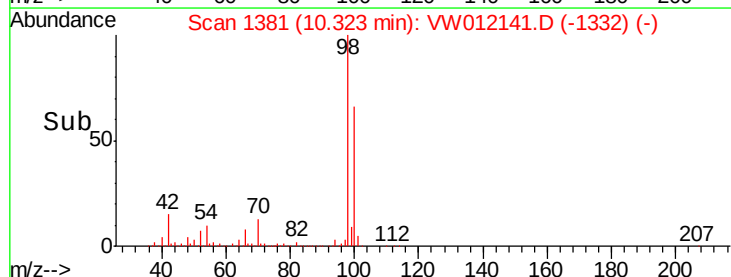
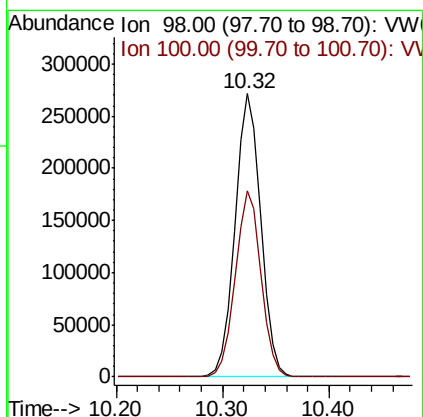
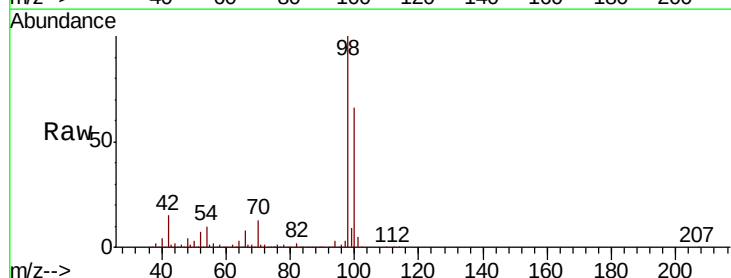
Instrument :
MSVOA_W
ClientSampled :
T1-2-F2-(0)

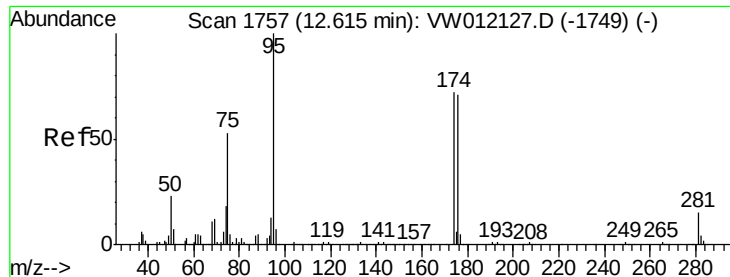
Tgt Ion:	41	Resp:	3113
Ion	Ratio	Lower	Upper
41	100		
39	44.8	45.8	68.8#
67	0.0	46.2	69.4#
52	0.6	21.0	31.6#



#50
Toluene-d8
Concen: 50.476 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW012141.D
Acq: 23 Aug 2019 18:58

Tgt Ion:	98	Resp:	461076
Ion	Ratio	Lower	Upper
98	100		
100	65.5	52.4	78.6





#62

4-Bromofluorobenzene

Concen: 43.374 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW012141.D

Acq: 23 Aug 2019 18:58

Instrument :

MSVOA_W

ClientSampleId :

T1-2-F2-(0)

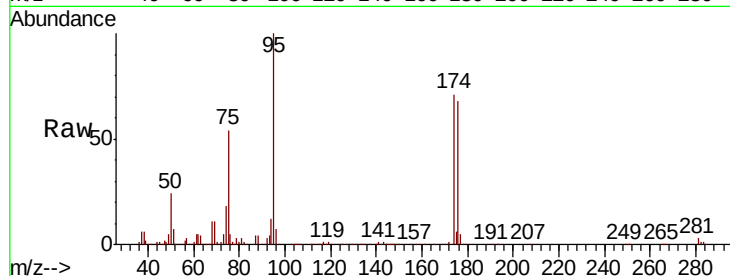
Tgt Ion: 95 Resp: 139660

Ion Ratio Lower Upper

95 100

174 75.9 0.0 150.8

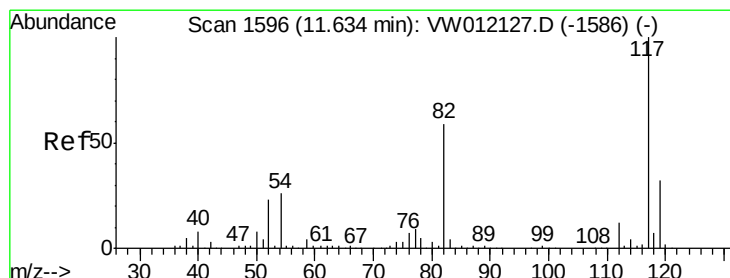
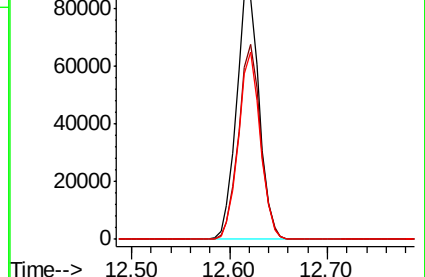
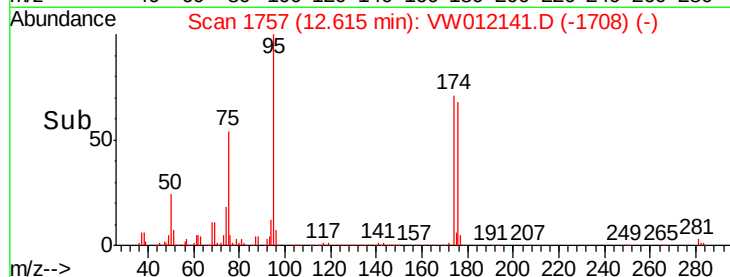
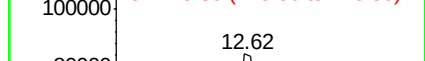
176 72.2 0.0 148.6



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: VW012141.D

Acq: 23 Aug 2019 18:58

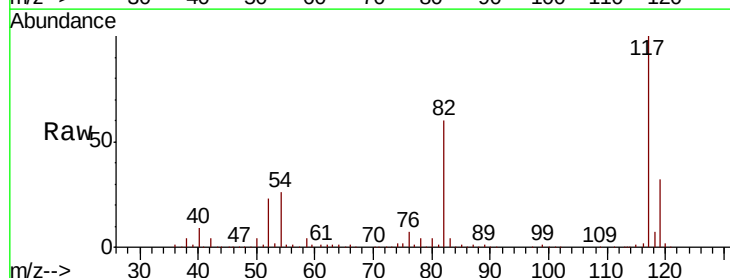
Tgt Ion: 117 Resp: 307893

Ion Ratio Lower Upper

117 100

82 59.6 47.4 71.2

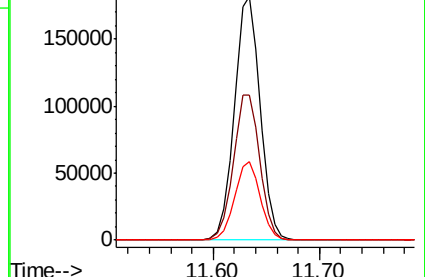
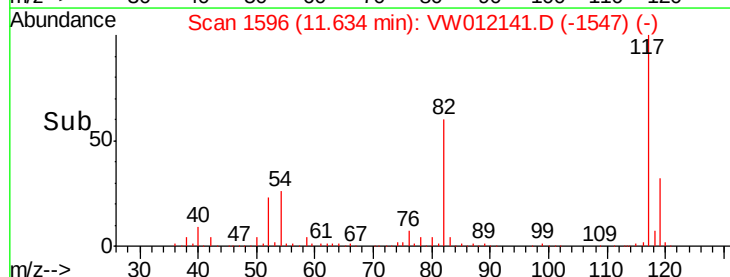
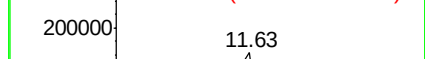
119 32.1 25.4 38.2

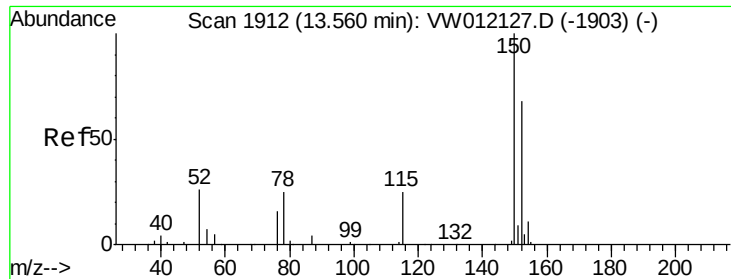


Abundance Ion 116.90 (116.60 to 117.60): VW

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW



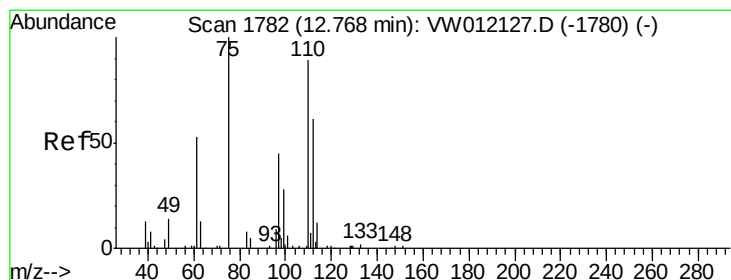
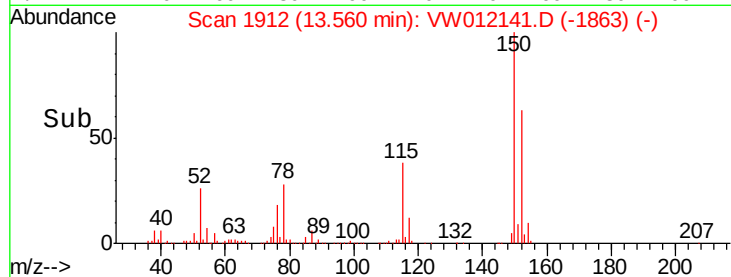
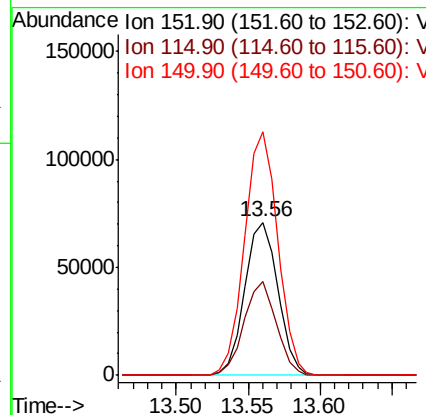
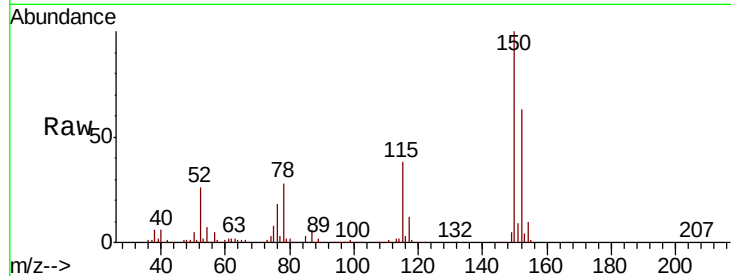


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW012141.D
Acq: 23 Aug 2019 18:58

Instrument :
MSVOA_W
ClientSampleId :
T1-2-F2-(0)

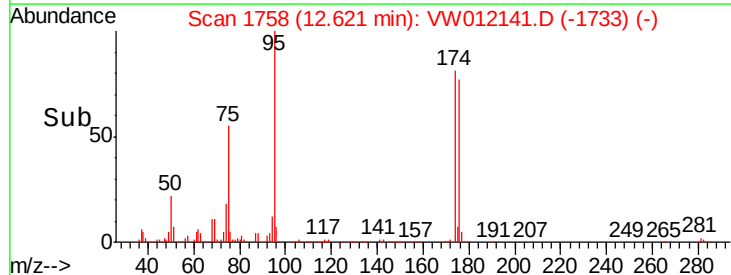
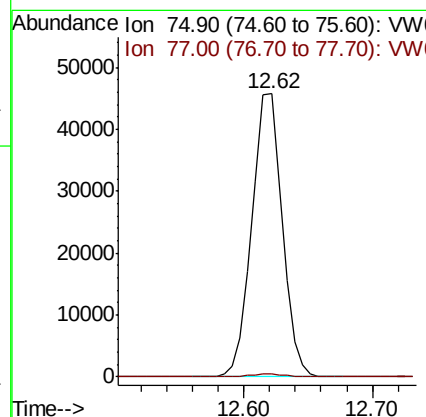
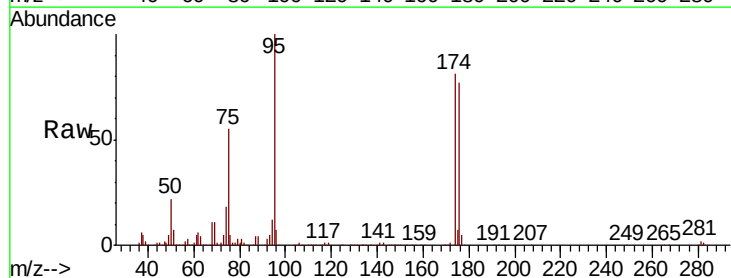
Tgt Ion:152 Resp: 113240
Ion Ratio Lower Upper
152 100
115 60.0 30.1 90.3
150 159.3 0.0 345.8

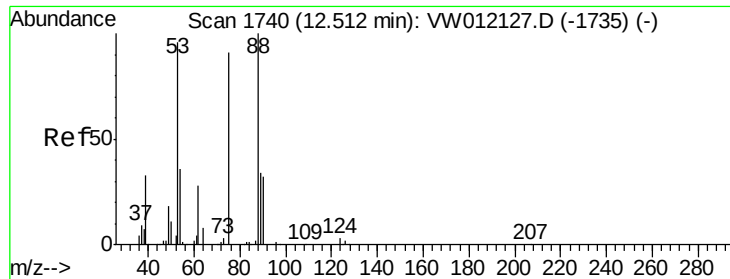


#76

1,2,3-Trichloropropane
Concen: 67.364 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.15 min
Lab File: VW012141.D
Acq: 23 Aug 2019 18:58

Tgt Ion: 75 Resp: 74294
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 147.698 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW012141.D

Acq: 23 Aug 2019 18:58

Instrument :

MSVOA_W

ClientSampleId :

T1-2-F2-(0)

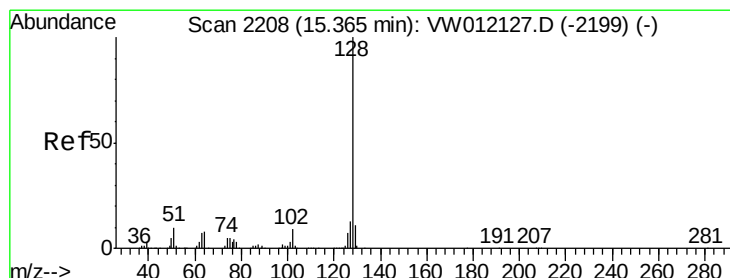
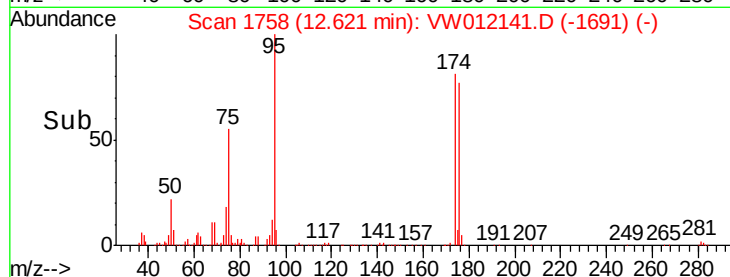
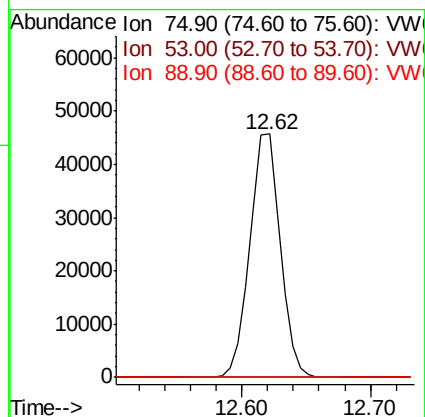
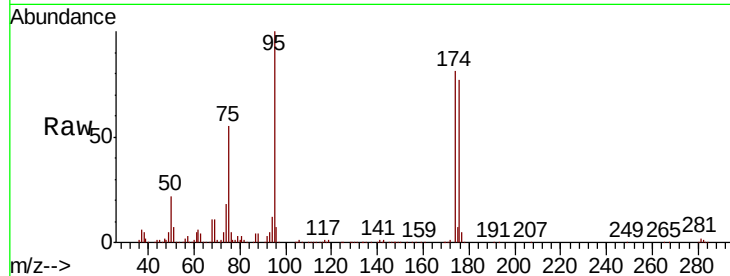
Tgt Ion: 75 Resp: 74294

Ion Ratio Lower Upper

75 100

53 0.2 89.4 134.0#

89 0.0 34.5 51.7#



#95

Naphthalene

Concen: 4.394 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. 0.01 min

Lab File: VW012141.D

Acq: 23 Aug 2019 18:58

Tgt Ion: 128 Resp: 341

Ion Ratio Lower Upper

128 100

127 0.0 10.7 16.1#

129 0.0 8.7 13.1#

