

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW082119\
 Data File : VW012083.D
 Acq On : 21 Aug 2019 21:10
 Operator : SY/VA
 Sample : K4403-04
 Misc : 4.28G/5ML/MSVOA_W/SOIL
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 T1-H3-(0)

Quant Time: Aug 22 05:19:15 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W072719S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 27 00:23:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	235883	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	395426	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	326469	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	130421	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	148015	54.65	ug/l	0.00
Spiked Amount			Recovery	=	109.30%	
35) Dibromofluoromethane	7.88	113	118819	53.56	ug/l	0.00
Spiked Amount			Recovery	=	107.12%	
50) Toluene-d8	10.32	98	478601	52.69	ug/l	0.00
Spiked Amount			Recovery	=	105.38%	
62) 4-Bromofluorobenzene	12.62	95	151751	46.86	ug/l	0.00
Spiked Amount			Recovery	=	93.72%	

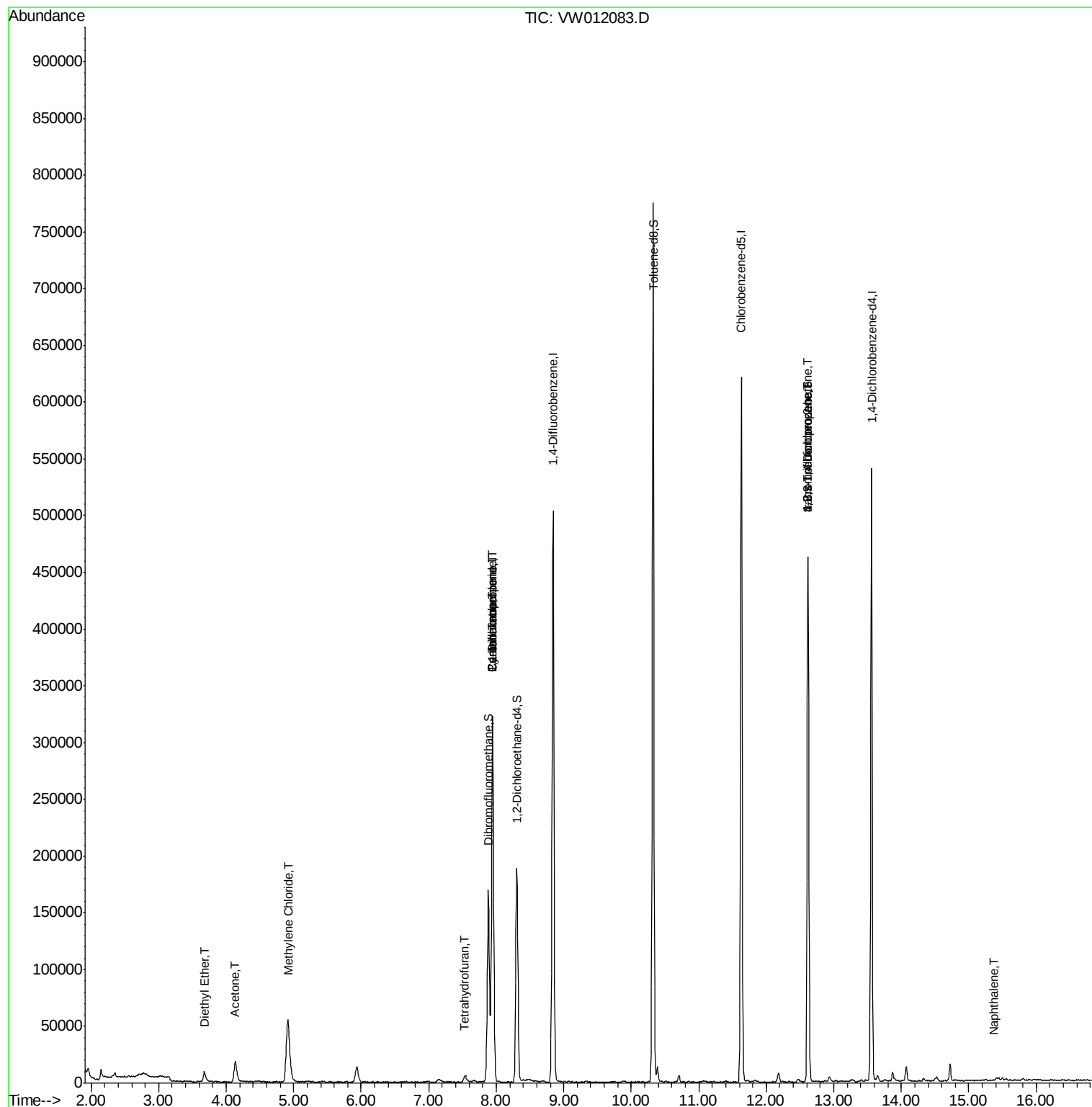
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.68	74	4402	3.165	ug/l	78
11) Tert butyl alcohol	5.20	59	937	Below Cal		96
16) Acetone	4.14	43	35816	41.569	ug/l	95
20) Methylene Chloride	4.92	84	44405	14.944	ug/l	96
29) Tetrahydrofuran	7.53	42	4906	7.613	ug/l	92
31) Cyclohexane	7.95	56	6181	1.220	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	20209	4.915	ug/l #	52
38) Carbon Tetrachloride	7.95	117	23669	6.724	ug/l #	17
76) 1,2,3-Trichloropropane	12.62	75	79432	57.559	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	79432	132.654	ug/l #	6
95) Naphthalene	15.36	128	297	2.121	ug/l #	92

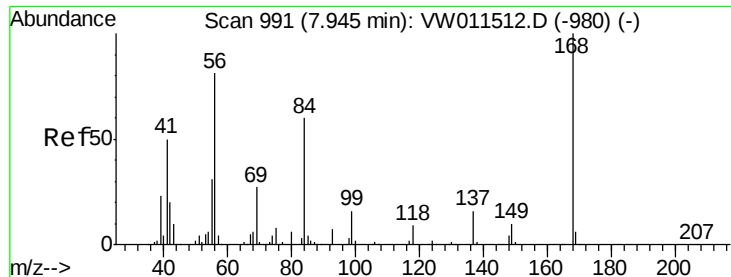
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW082119\
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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: VW012083.D

Acq: 21 Aug 2019 21:10

Instrument :

MSVOA_W

ClientSampleId :

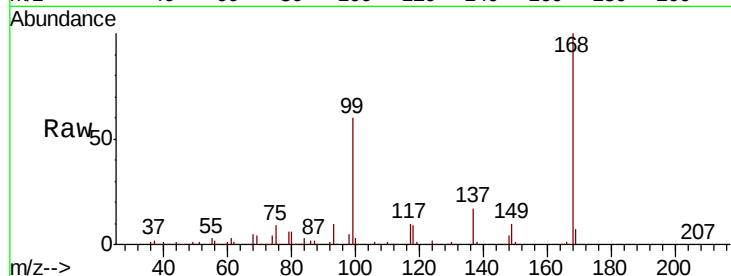
T1-H3-(0)

Tgt Ion:168 Resp: 235883

Ion Ratio Lower Upper

168 100

99 60.3 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

120000

100000

80000

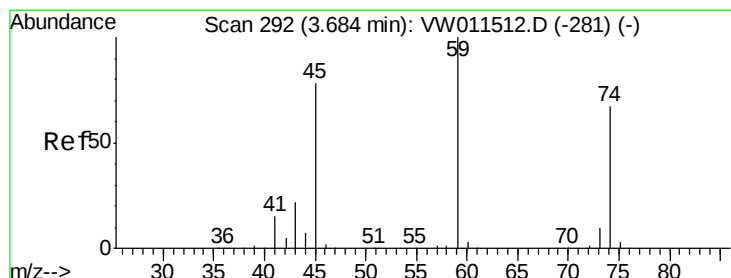
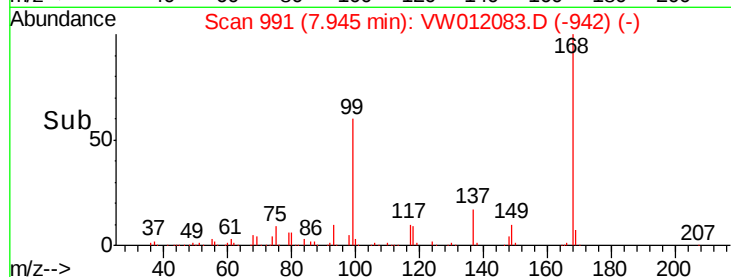
60000

40000

20000

0

Time--> 7.80 7.90 8.00 8.10



#8

Diethyl Ether

Concen: 3.165 ug/l

RT: 3.68 min Scan# 291

Delta R.T. -0.01 min

Lab File: VW012083.D

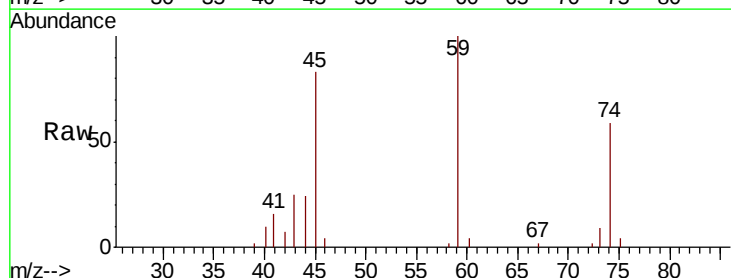
Acq: 21 Aug 2019 21:10

Tgt Ion: 74 Resp: 4402

Ion Ratio Lower Upper

74 100

45 143.2 59.6 178.8



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

3.68

2500

2000

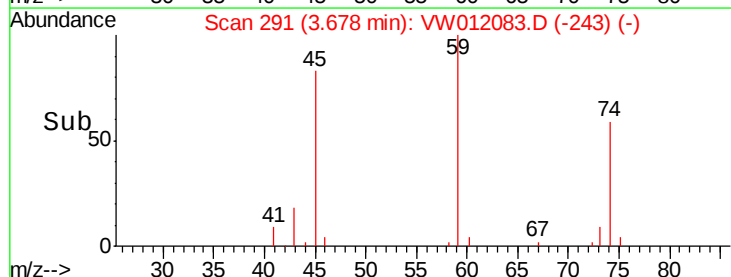
1500

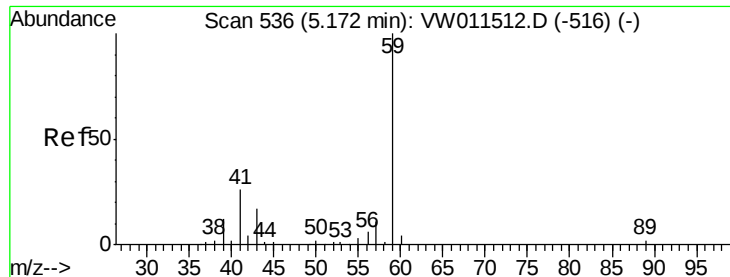
1000

500

0

Time--> 3.60 3.65 3.70 3.75

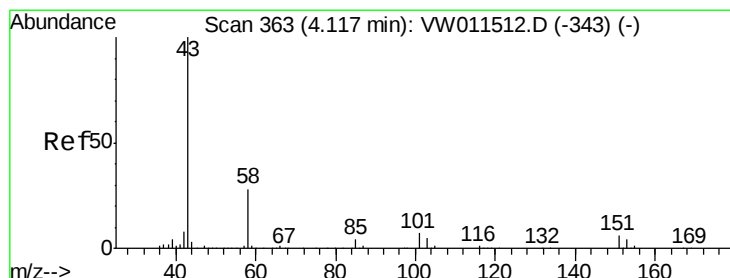
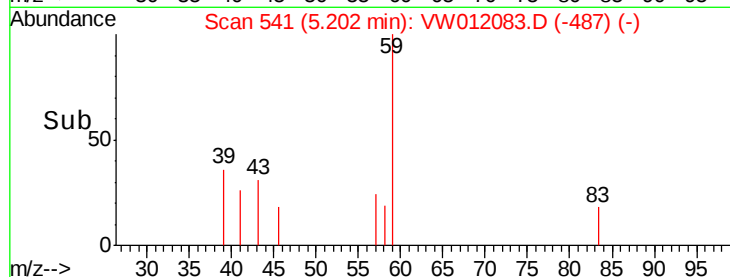
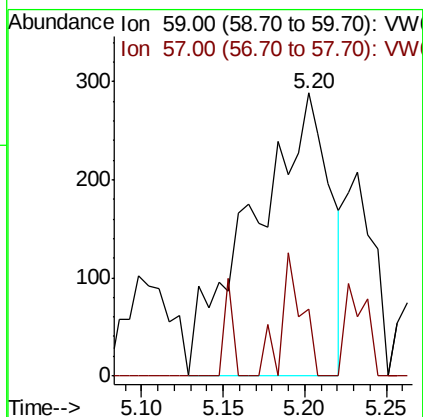
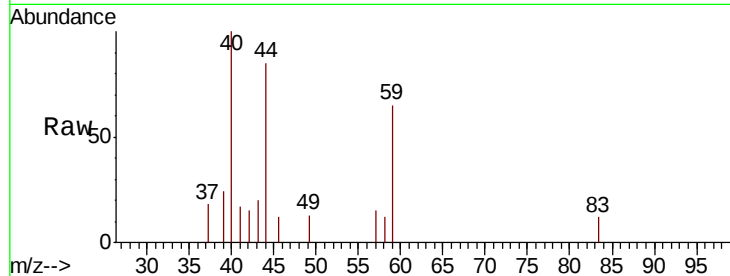




#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.20 min Scan# 541
Delta R.T. 0.03 min
Lab File: VW012083.D
Acq: 21 Aug 2019 21:10

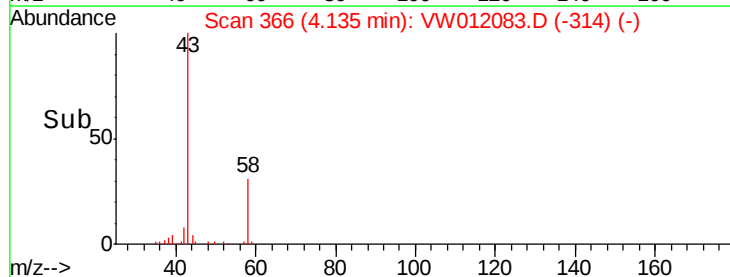
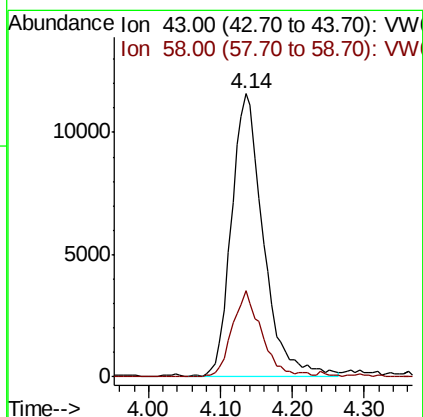
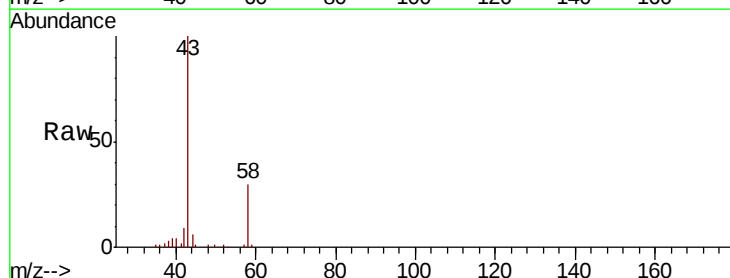
Instrument :
MSVOA_W
ClientSampleId :
T1-H3-(0)

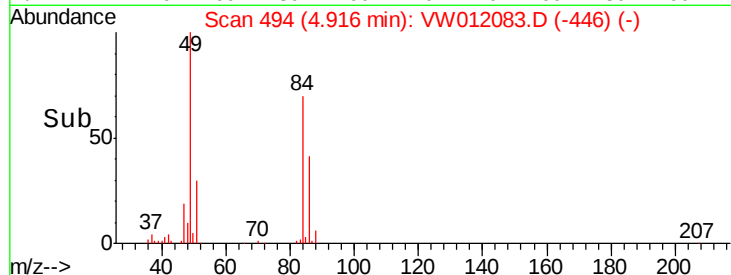
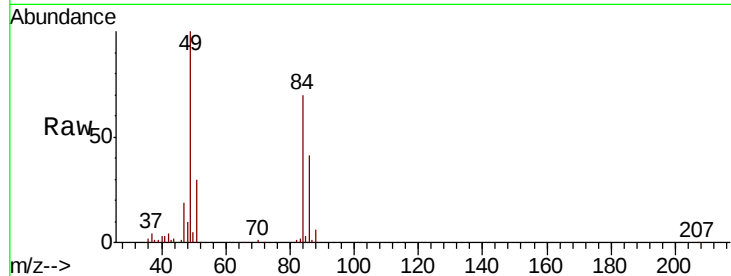
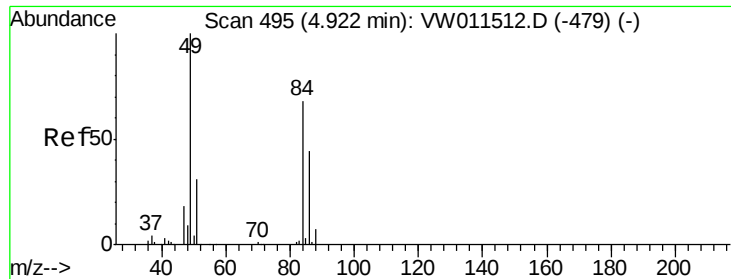
Tgt Ion: 59 Resp: 937
Ion Ratio Lower Upper
59 100
57 12.0 8.5 12.7



#16
Acetone
Concen: 41.569 ug/l
RT: 4.14 min Scan# 366
Delta R.T. 0.02 min
Lab File: VW012083.D
Acq: 21 Aug 2019 21:10

Tgt Ion: 43 Resp: 35816
Ion Ratio Lower Upper
43 100
58 30.4 22.3 33.5

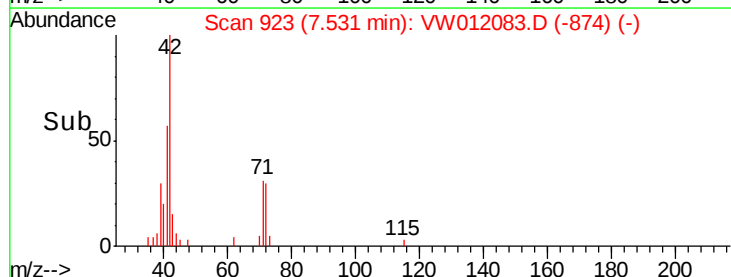
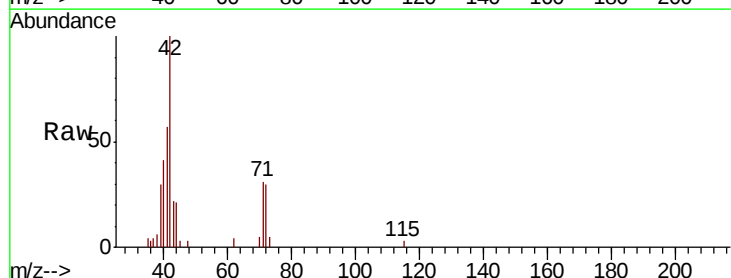
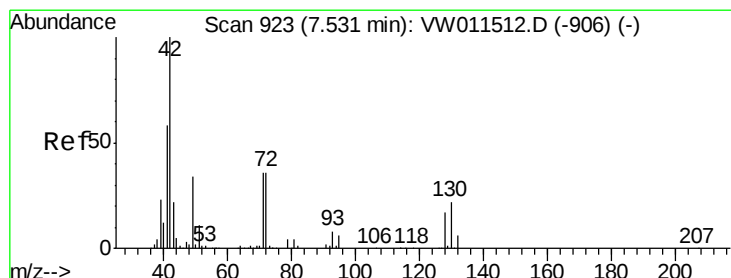
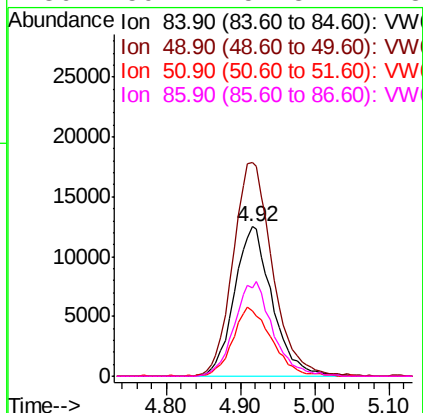




#20
Methylene Chloride
Concen: 14.944 ug/l
RT: 4.92 min Scan# 494
Delta R.T. -0.01 min
Lab File: VW012083.D
Acq: 21 Aug 2019 21:10

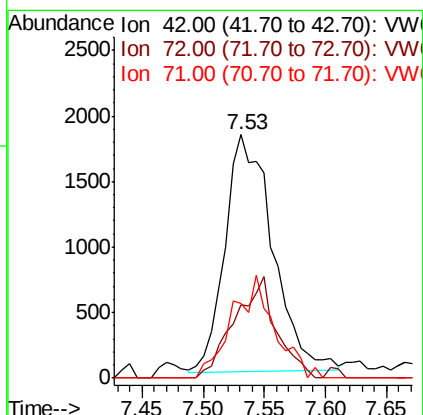
Instrument :
MSVOA_W
ClientSampleId :
T1-H3-(0)

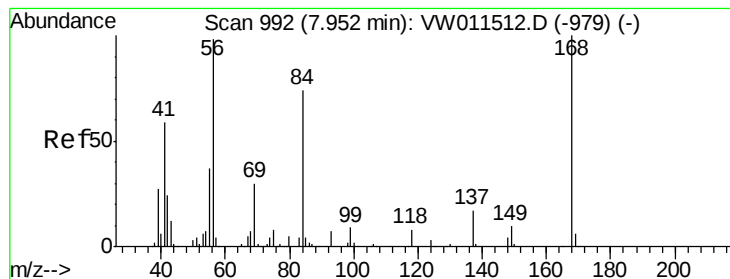
Tgt Ion: 84 Resp: 44405
Ion Ratio Lower Upper
84 100
49 143.0 117.8 176.6
51 43.5 37.0 55.4
86 59.2 51.8 77.8



#29
Tetrahydrofuran
Concen: 7.613 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.00 min
Lab File: VW012083.D
Acq: 21 Aug 2019 21:10

Tgt Ion: 42 Resp: 4906
Ion Ratio Lower Upper
42 100
72 37.6 27.1 40.7
71 38.4 26.2 39.4





#31

Cyclohexane

Concen: 1.220 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW012083.D

Acq: 21 Aug 2019 21:10

Instrument :

MSVOA_W

ClientSampleId :

T1-H3-(0)

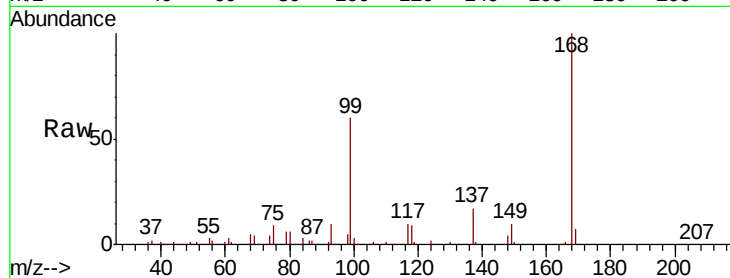
Tgt Ion: 56 Resp: 6181

Ion Ratio Lower Upper

56 100

69 176.9 24.3 36.5#

84 130.2 60.4 90.6#

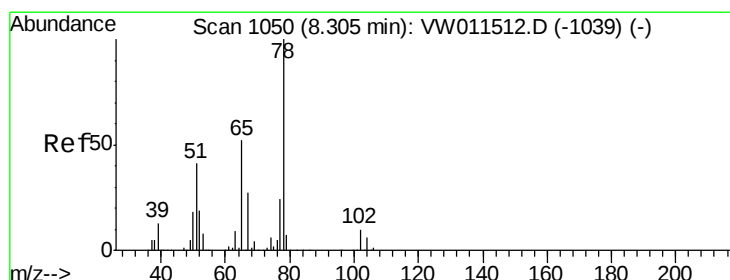
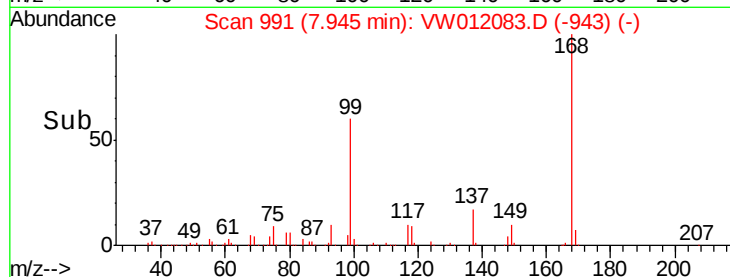
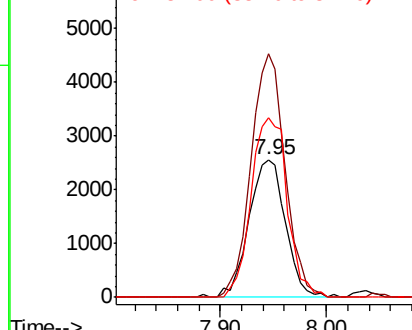


Abundance

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: 54.646 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW012083.D

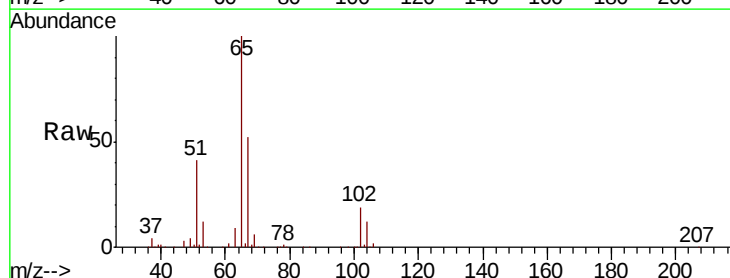
Acq: 21 Aug 2019 21:10

Tgt Ion: 65 Resp: 148015

Ion Ratio Lower Upper

65 100

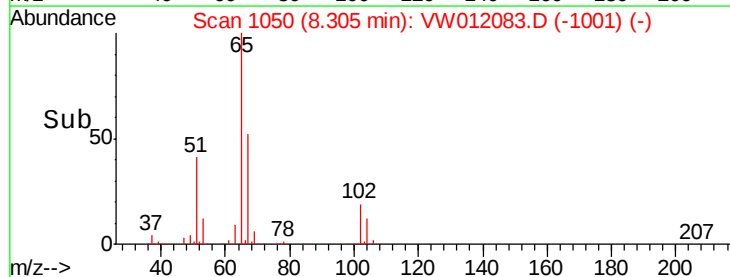
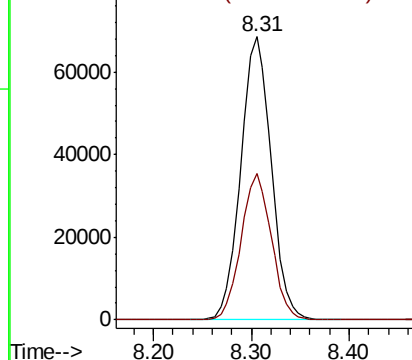
67 51.6 0.0 105.2

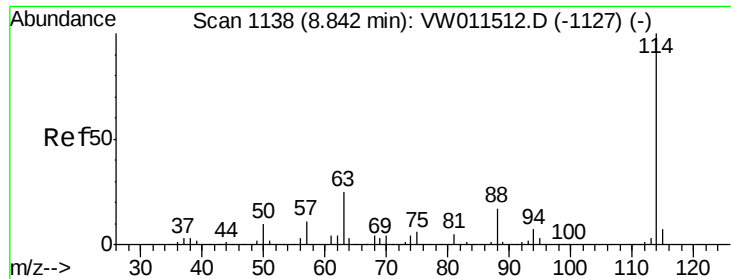


Abundance

Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW

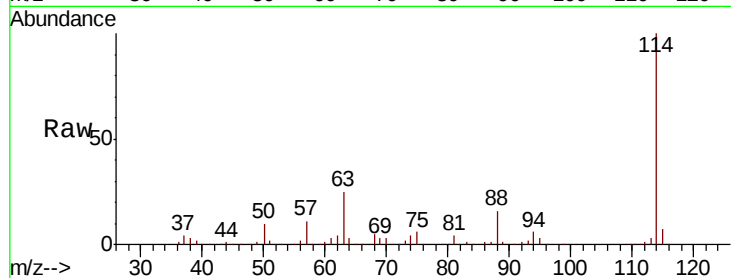




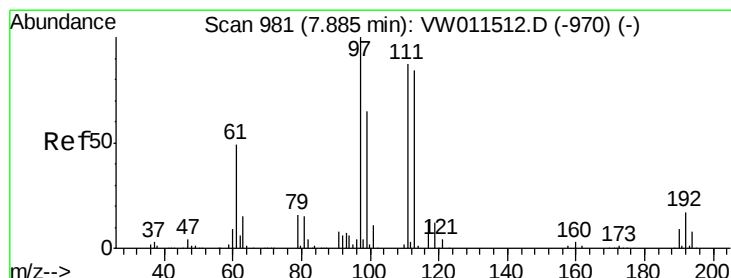
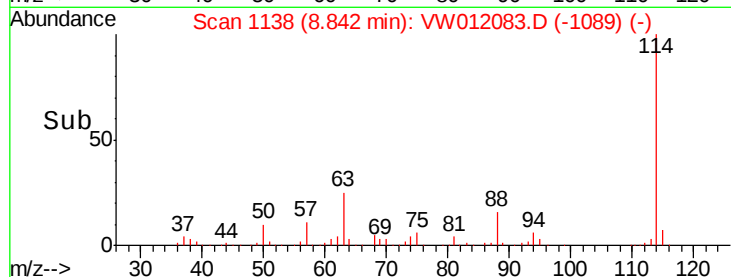
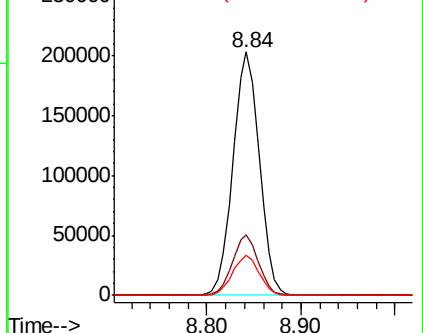
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW012083.D
 Acq: 21 Aug 2019 21:10

Instrument :
 MSVOA_W
 ClientSampled :
 T1-H3-(0)

Tgt Ion:114 Resp: 395426
 Ion Ratio Lower Upper
 114 100
 63 25.1 0.0 49.2
 88 16.2 0.0 33.8

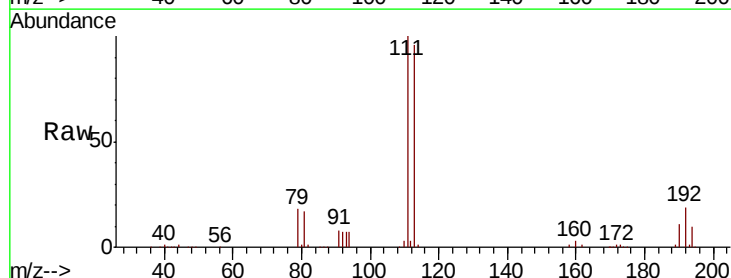


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

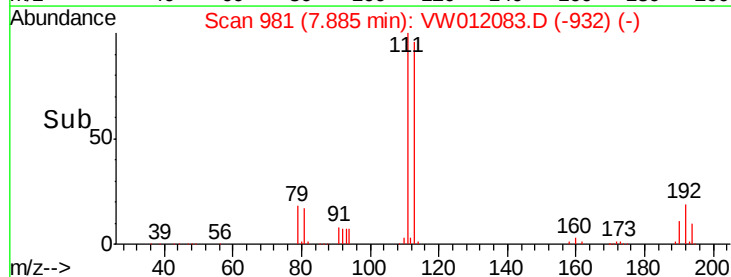
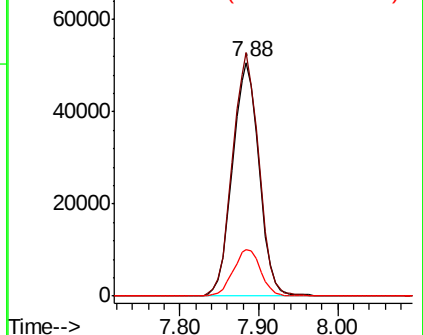


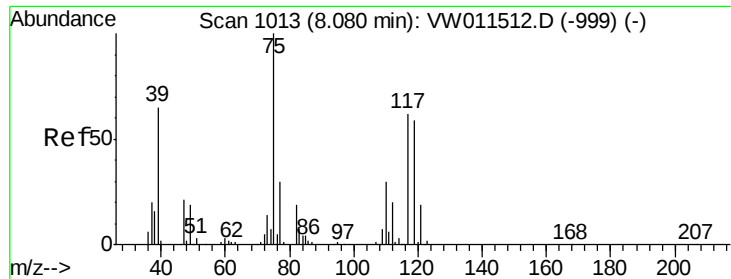
#35
 Dibromofluoromethane
 Concen: 53.560 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW012083.D
 Acq: 21 Aug 2019 21:10

Tgt Ion:113 Resp: 118819
 Ion Ratio Lower Upper
 113 100
 111 103.5 82.7 124.1
 192 20.4 16.1 24.1



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

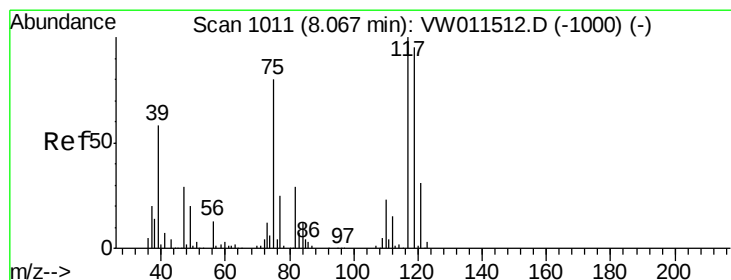
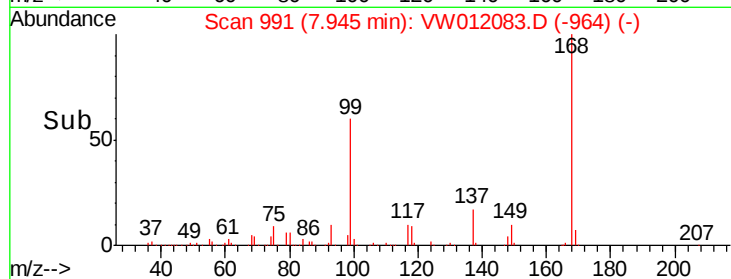
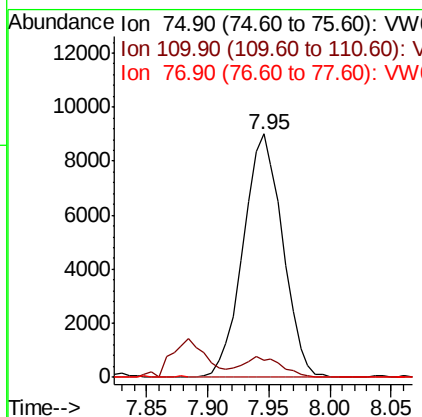
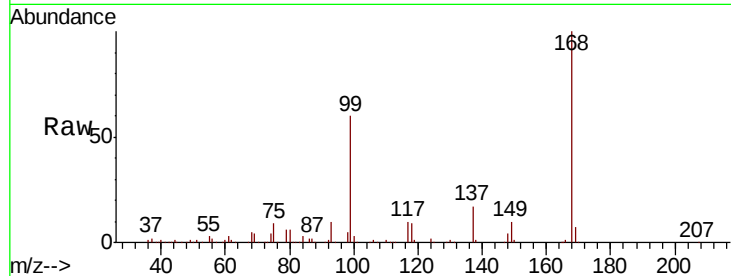




#36
 1,1-Dichloropropene
 Concen: 4.915 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW012083.D
 Acq: 21 Aug 2019 21:10

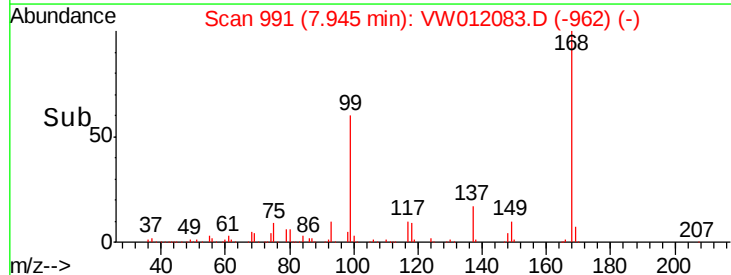
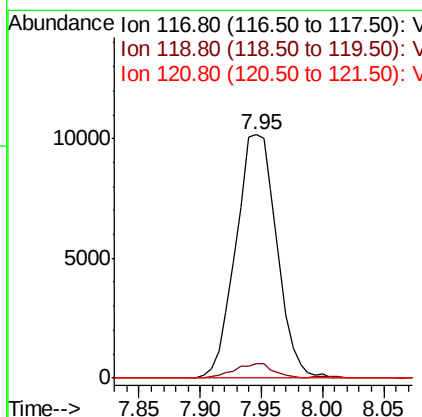
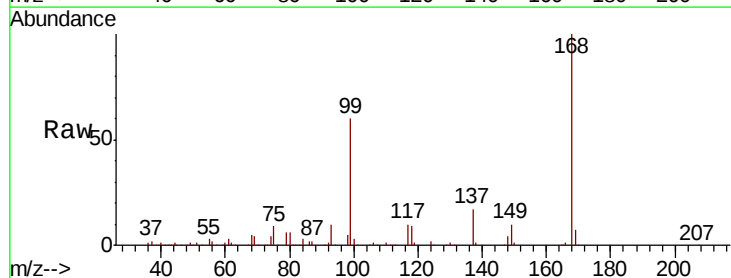
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 MSVOA_W
 ClientSampleId :
 T1-H3-(0)

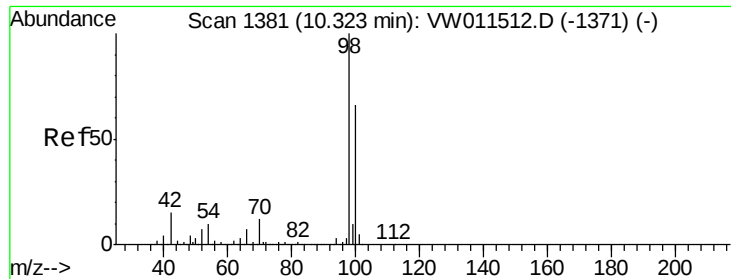
Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.4	15.6	46.8#
77	0.0	24.3	36.5#



#38
 Carbon Tetrachloride
 Concen: 6.724 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW012083.D
 Acq: 21 Aug 2019 21:10

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.8	75.8	113.6#
121	0.0	24.7	37.1#





#50

Toluene-d8

Concen: 52.693 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW012083.D

Acq: 21 Aug 2019 21:10

Instrument :

MSVOA_W

ClientSampleId :

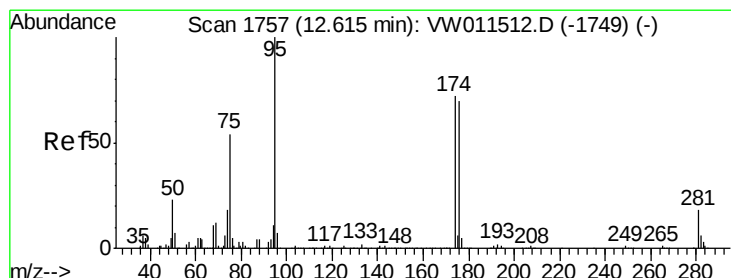
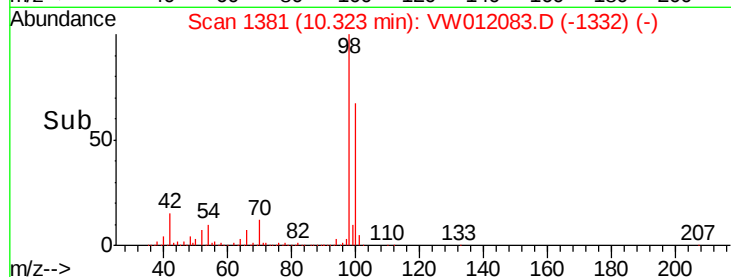
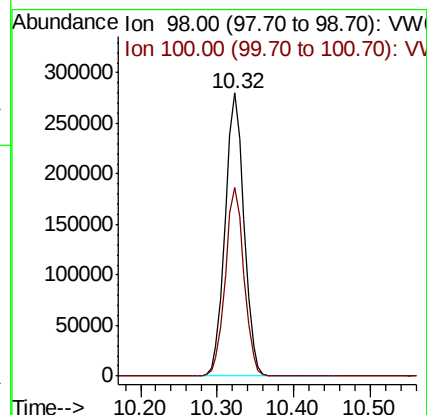
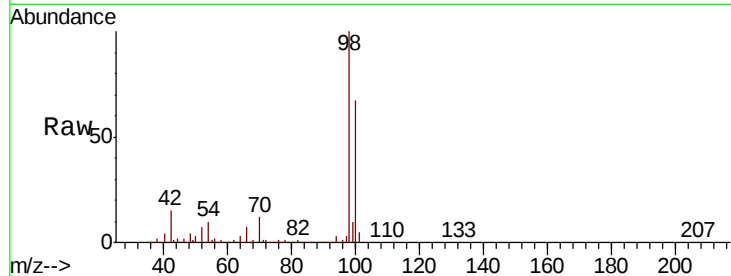
T1-H3-(0)

Tgt Ion: 98 Resp: 478601

Ion Ratio Lower Upper

98 100

100 65.6 52.7 79.1



#62

4-Bromofluorobenzene

Concen: 46.863 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VW012083.D

Acq: 21 Aug 2019 21:10

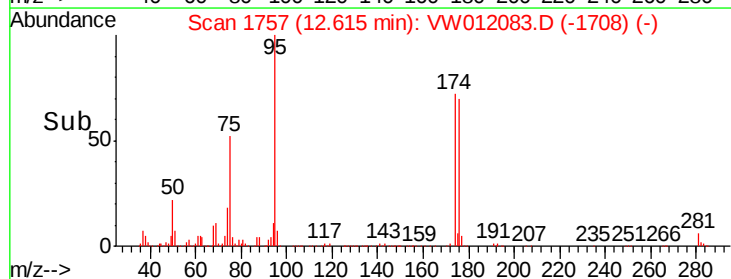
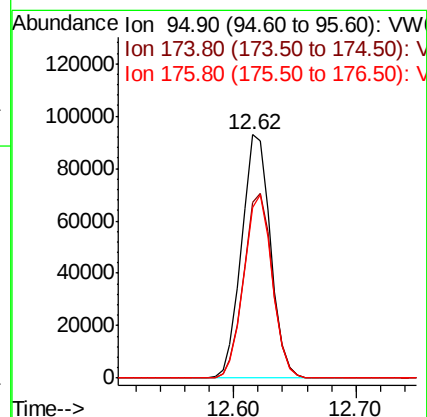
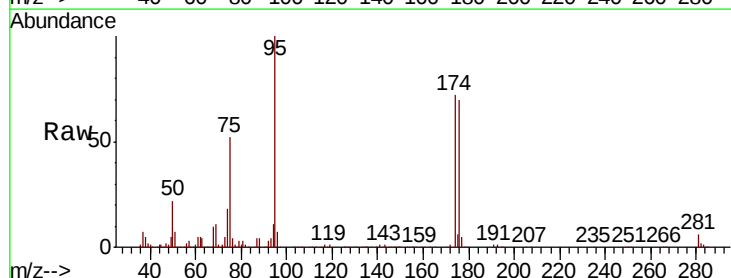
Tgt Ion: 95 Resp: 151751

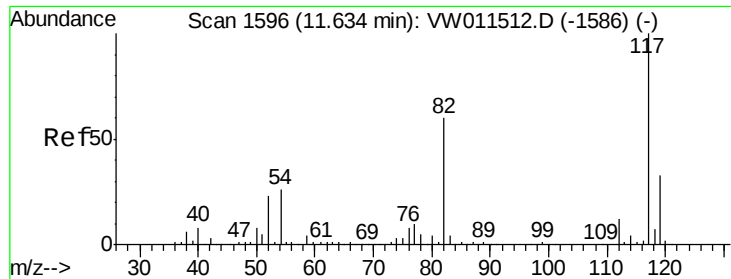
Ion Ratio Lower Upper

95 100

174 76.1 0.0 150.2

176 74.3 0.0 144.4

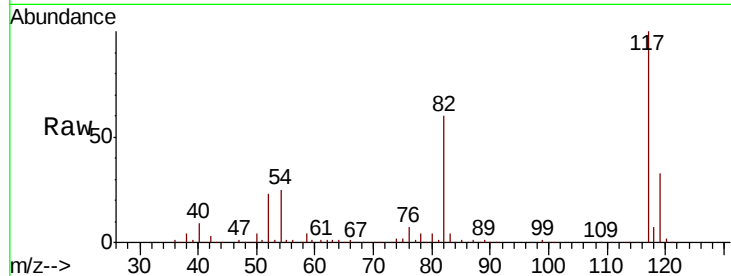




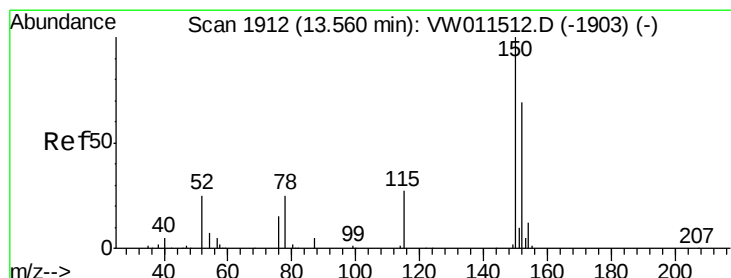
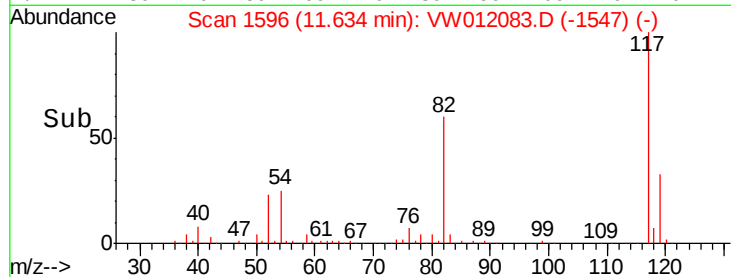
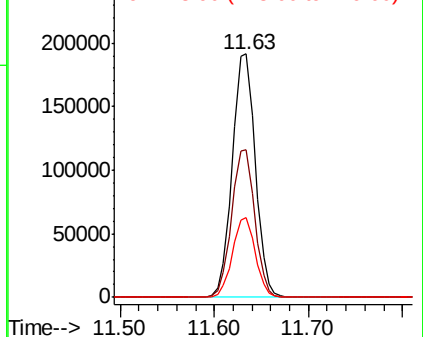
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW012083.D
Acq: 21 Aug 2019 21:10

Instrument :
MSVOA_W
ClientSampleId :
T1-H3-(0)

Tgt Ion:117 Resp: 326469
Ion Ratio Lower Upper
117 100
82 60.4 47.9 71.9
119 32.9 26.2 39.2

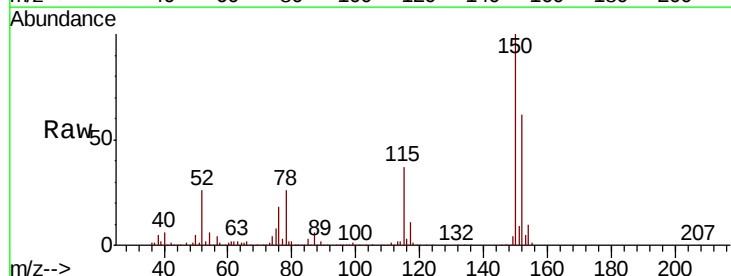


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

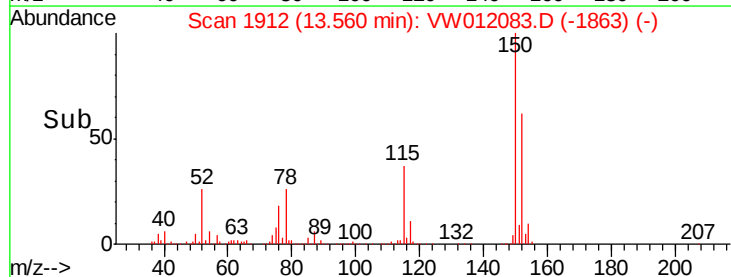
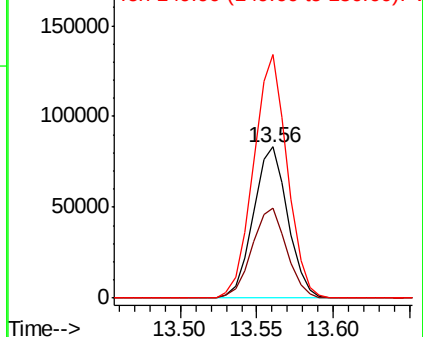


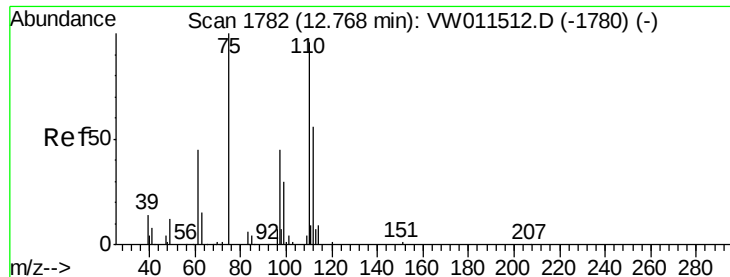
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW012083.D
Acq: 21 Aug 2019 21:10

Tgt Ion:152 Resp: 130421
Ion Ratio Lower Upper
152 100
115 60.0 30.5 91.5
150 157.6 0.0 352.6



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: 57.559 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW012083.D

Acq: 21 Aug 2019 21:10

Instrument :

MSVOA_W

ClientSampled :

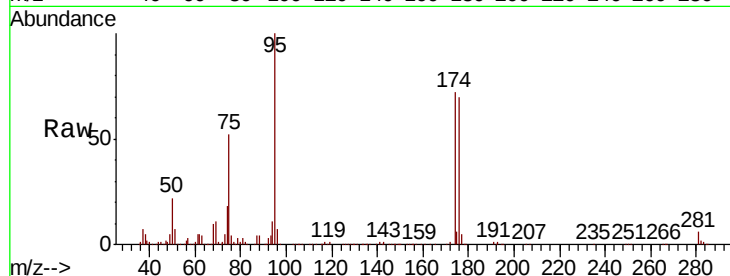
T1-H3-(0)

Tgt Ion: 75 Resp: 79432

Ion Ratio Lower Upper

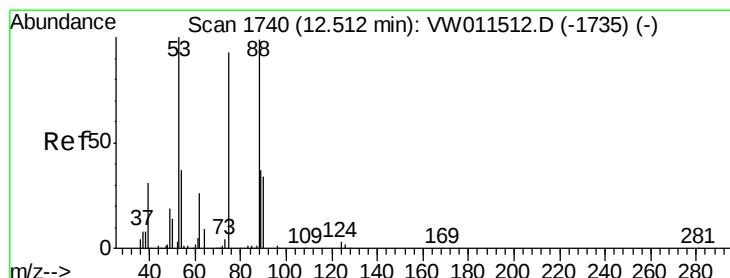
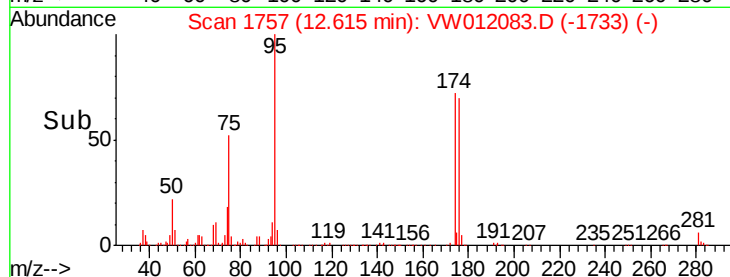
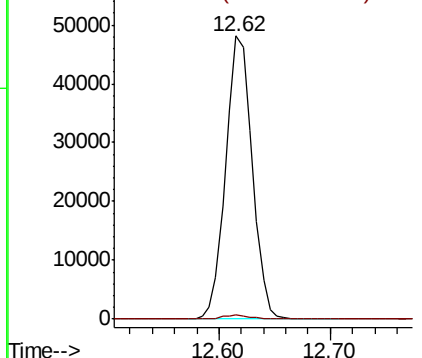
75 100

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: 132.654 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW012083.D

Acq: 21 Aug 2019 21:10

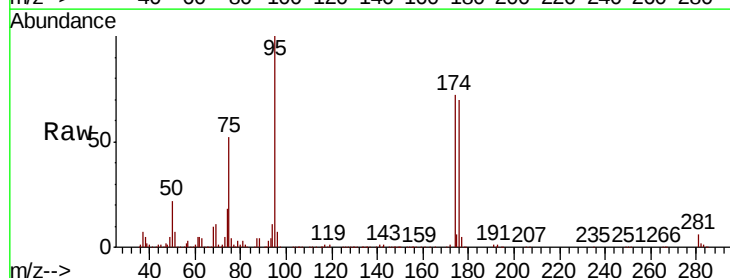
Tgt Ion: 75 Resp: 79432

Ion Ratio Lower Upper

75 100

53 0.1 88.0 132.0#

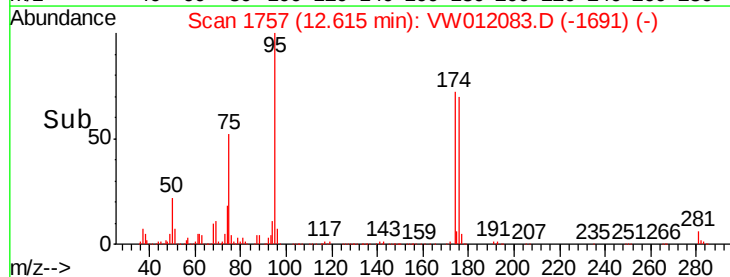
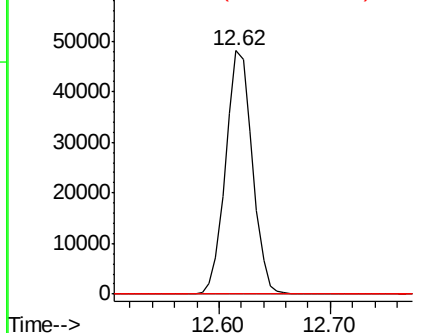
89 0.0 35.3 52.9#

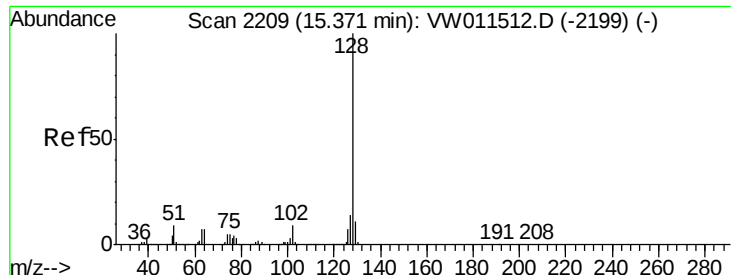


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW





#95

Naphthalene

Concen: 2.121 ug/l

RT: 15.36 min Scan# 2208

Delta R.T. -0.01 min

Lab File: VW012083.D

Acq: 21 Aug 2019 21:10

Instrument :

MSVOA_W

ClientSampleId :

T1-H3-(0)

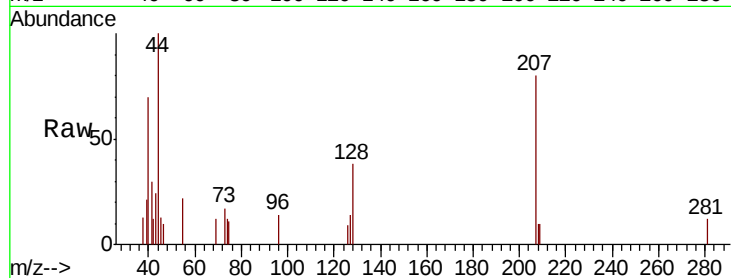
Tgt Ion:128 Resp: 297

Ion Ratio Lower Upper

128 100

127 17.8 10.6 16.0#

129 9.1 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

