

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW082019\
 Data File : VW012039.D
 Acq On : 20 Aug 2019 19:38
 Operator : SY/VA
 Sample : K4387-01
 Misc : 5.04G/5ML/MSVOA_W/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 T6-B-(0)

Quant Time: Aug 21 01:35:54 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	234481	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	386982	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	315422	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	116151	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	141829	52.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.36%	
35) Dibromofluoromethane	7.88	113	117046	53.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.82%	
50) Toluene-d8	10.32	98	469289	52.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.60%	
62) 4-Bromofluorobenzene	12.62	95	148132	46.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.48%	

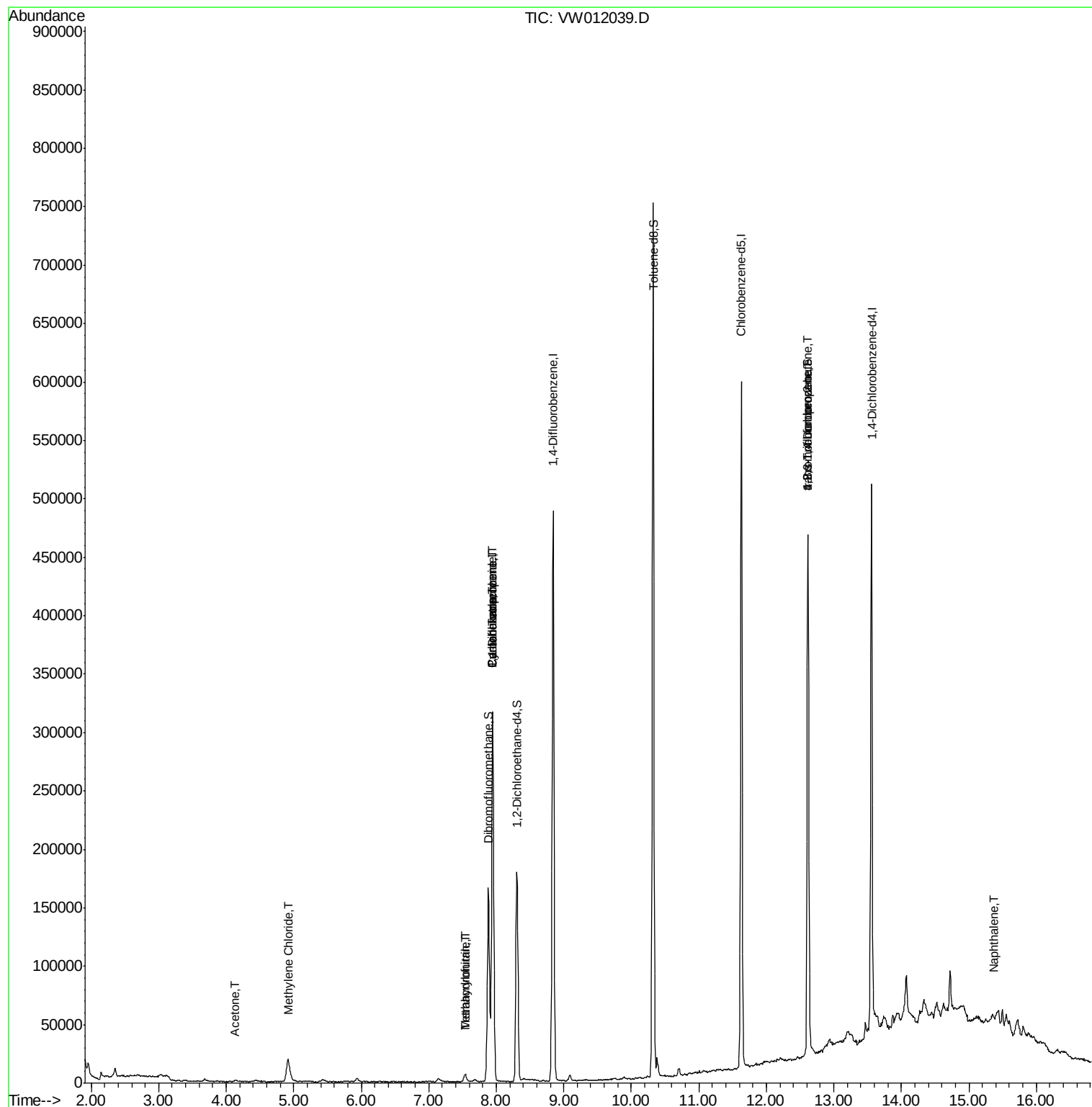
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.19	59	1348	Below Cal		100
16) Acetone	4.13	43	2988	3.489	ug/l	93
20) Methylene Chloride	4.91	84	14929	5.054	ug/l	90
29) Tetrahydrofuran	7.54	42	6424	10.028	ug/l	98
31) Cyclohexane	7.95	56	5888	1.170	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	19862	4.936	ug/l #	52
38) Carbon Tetrachloride	7.95	117	23784	6.904	ug/l #	16
41) Methacrylonitrile	7.54	41	3835	2.771	ug/l #	57
76) 1,2,3-Trichloropropane	12.62	75	77758	63.269	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	77758	145.813	ug/l #	7
95) Naphthalene	15.37	128	1482	2.376	ug/l #	69

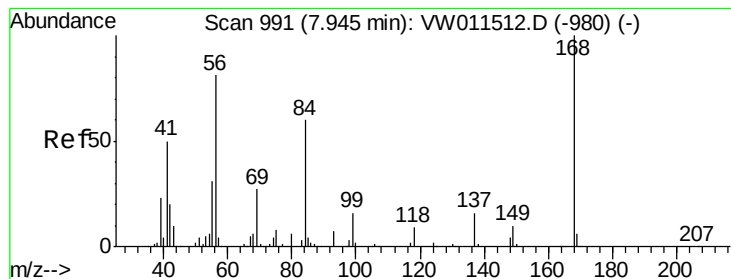
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW082019\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.01 min

Lab File: VW012039.D

Acq: 20 Aug 2019 19:38

Instrument :

MSVOA_W

ClientSampleId :

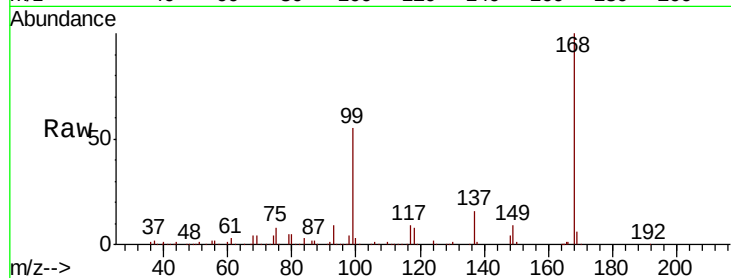
T6-B-(0)

Tgt Ion:168 Resp: 234481

Ion Ratio Lower Upper

168 100

99 55.5 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

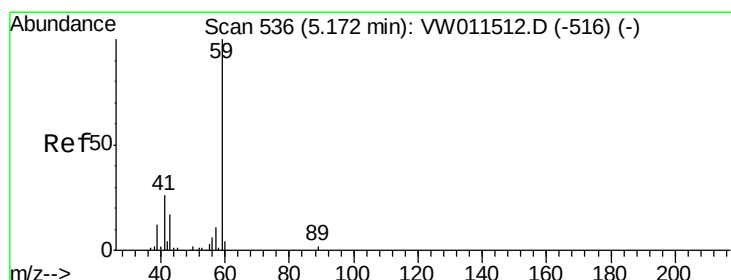
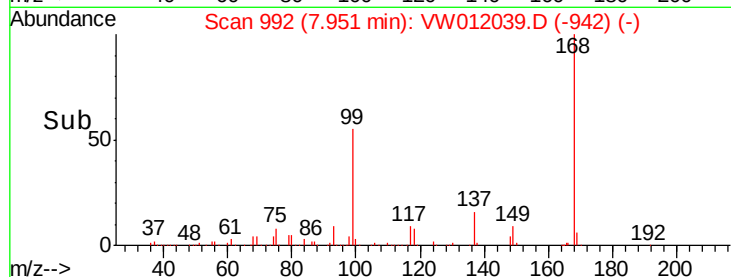
60000

40000

20000

0

Time-->



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.19 min Scan# 539

Delta R.T. 0.02 min

Lab File: VW012039.D

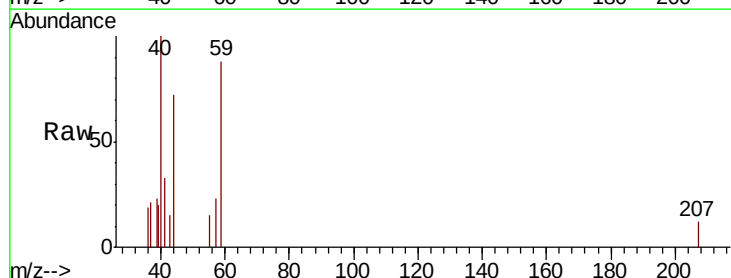
Acq: 20 Aug 2019 19:38

Tgt Ion: 59 Resp: 1348

Ion Ratio Lower Upper

59 100

57 10.6 8.5 12.7



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.19

400

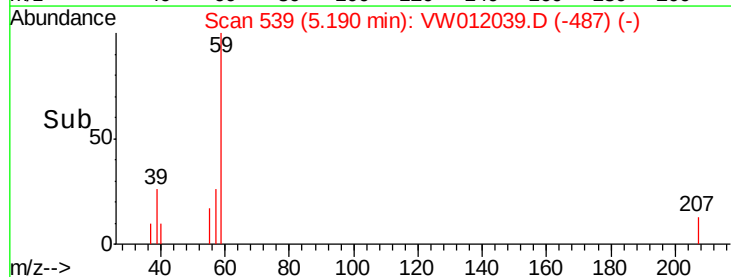
300

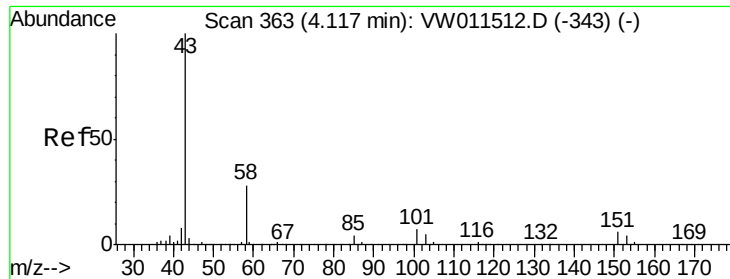
200

100

0

Time-->





#16

Acetone

Concen: 3.489 ug/l

RT: 4.13 min Scan# 366

Delta R.T. 0.02 min

Lab File: VW012039.D

Acq: 20 Aug 2019 19:38

Instrument :

MSVOA_W

ClientSampleId :

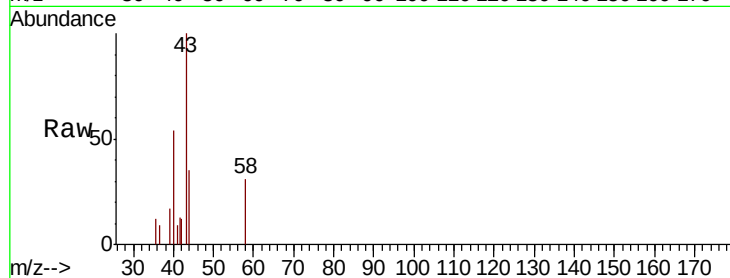
T6-B-(0)

Tgt Ion: 43 Resp: 2988

Ion Ratio Lower Upper

43 100

58 31.4 22.3 33.5



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.13

800

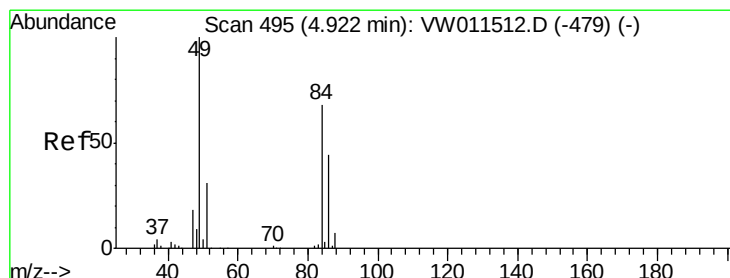
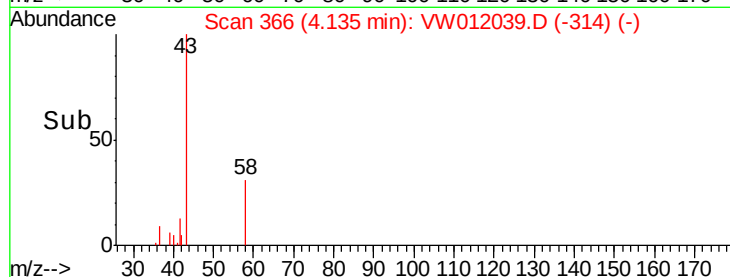
600

400

200

0

Time--> 4.00 4.10 4.20



#20

Methylene Chloride

Concen: 5.054 ug/l

RT: 4.91 min Scan# 493

Delta R.T. -0.01 min

Lab File: VW012039.D

Acq: 20 Aug 2019 19:38

Tgt Ion: 84 Resp: 14929

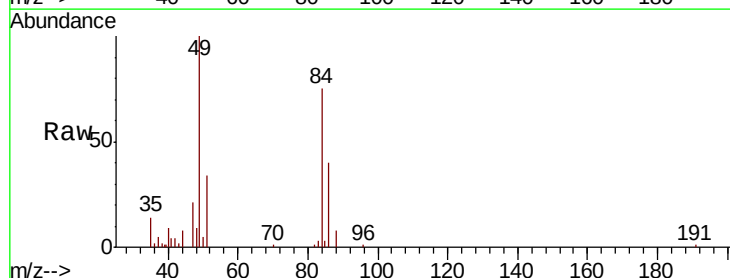
Ion Ratio Lower Upper

84 100

49 133.8 117.8 176.6

51 45.8 37.0 55.4

86 53.4 51.8 77.8



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

4.91

10000

8000

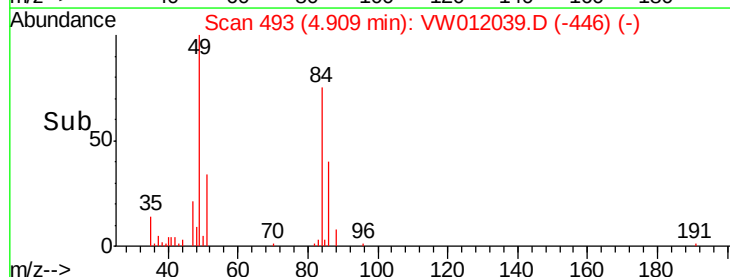
6000

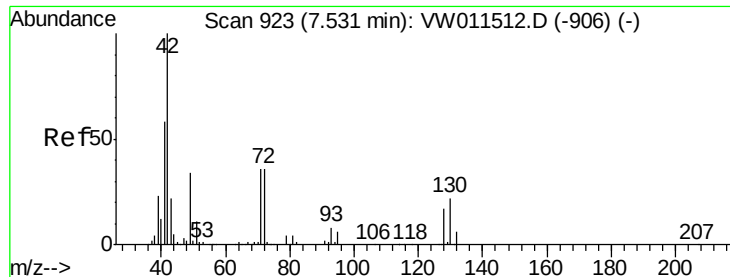
4000

2000

0

Time--> 4.80 4.90 5.00

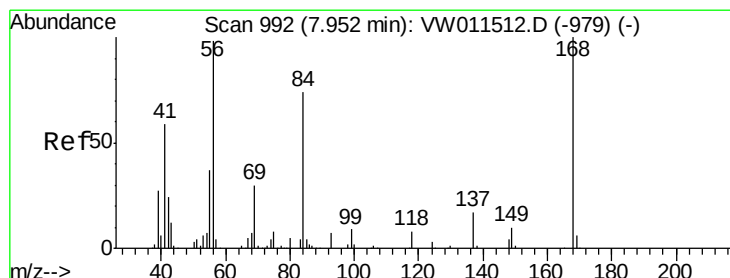
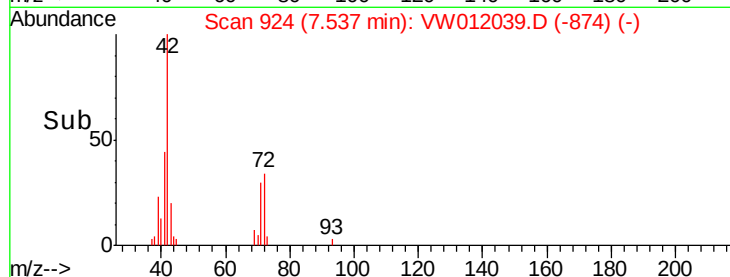
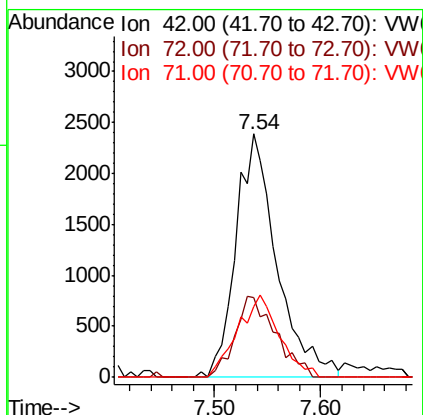
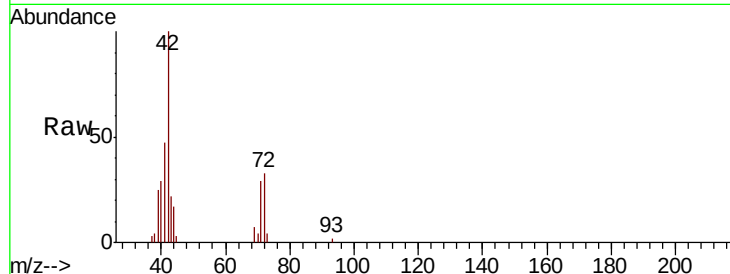




#29
Tetrahydrofuran
Concen: 10.028 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.01 min
Lab File: VW012039.D
Acq: 20 Aug 2019 19:38

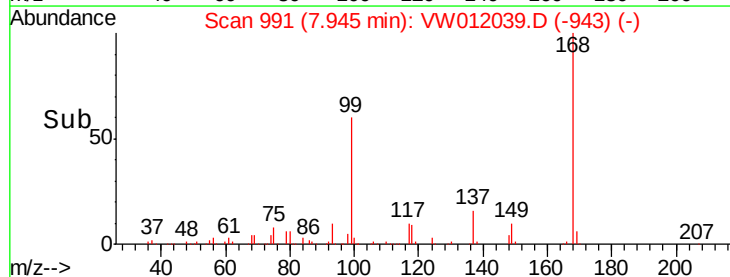
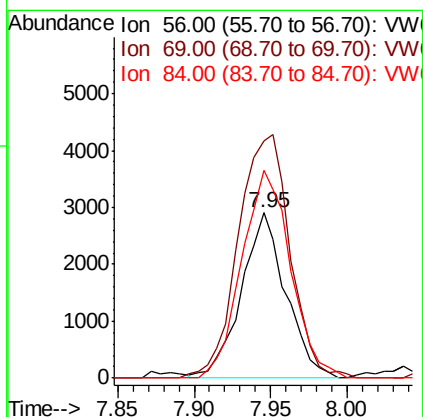
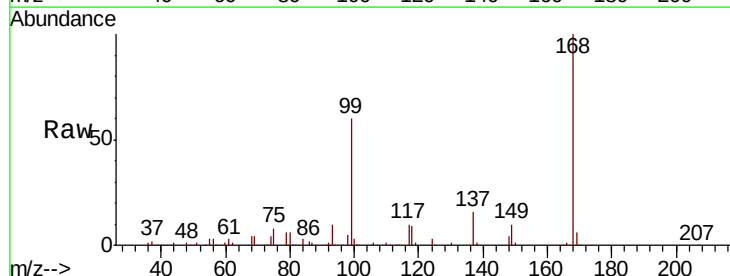
Instrument :
MSVOA_W
ClientSampleId :
T6-B-(0)

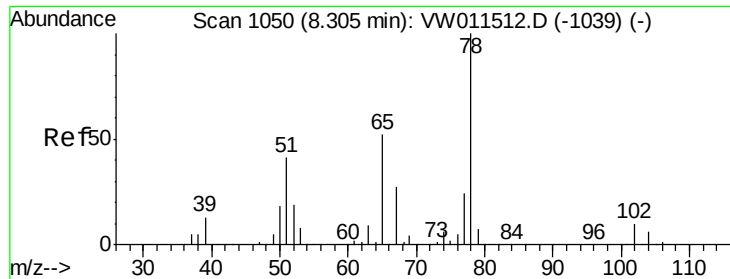
Tgt Ion: 42 Resp: 6424
Ion Ratio Lower Upper
42 100
72 32.9 27.1 40.7
71 34.3 26.2 39.4



#31
Cyclohexane
Concen: 1.170 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW012039.D
Acq: 20 Aug 2019 19:38

Tgt Ion: 56 Resp: 5888
Ion Ratio Lower Upper
56 100
69 140.8 24.3 36.5#
84 125.6 60.4 90.6#

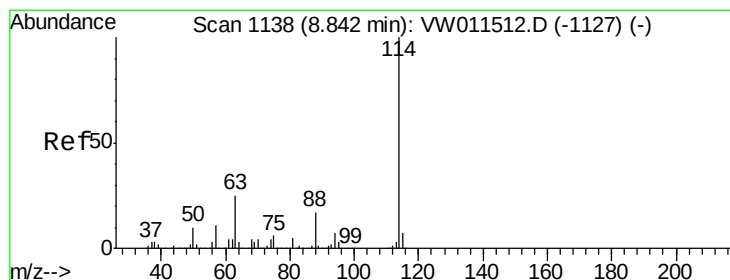
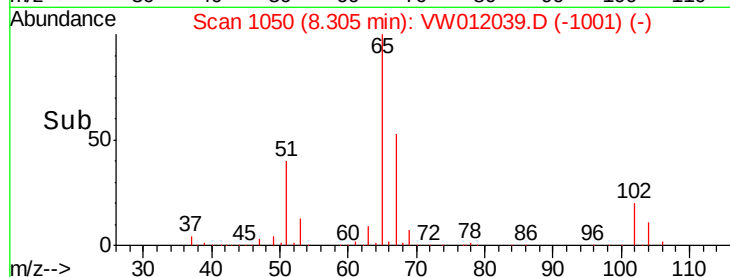
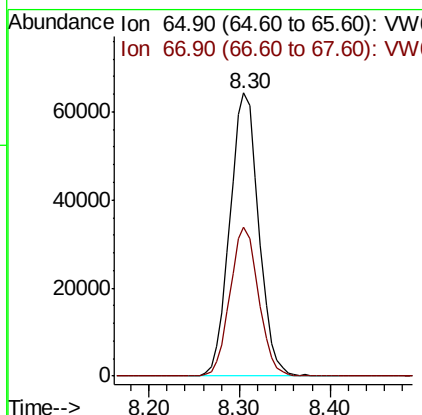
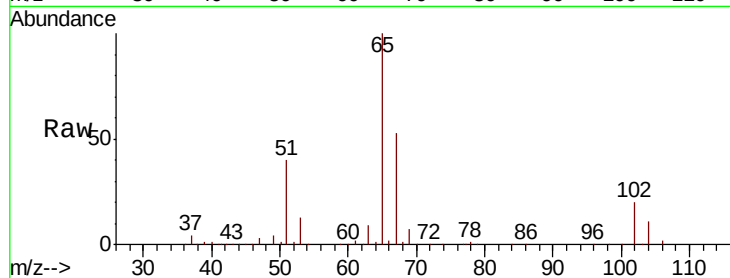




#33
 1,2-Dichloroethane-d4
 Concen: 52.676 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW012039.D
 Acq: 20 Aug 2019 19:38

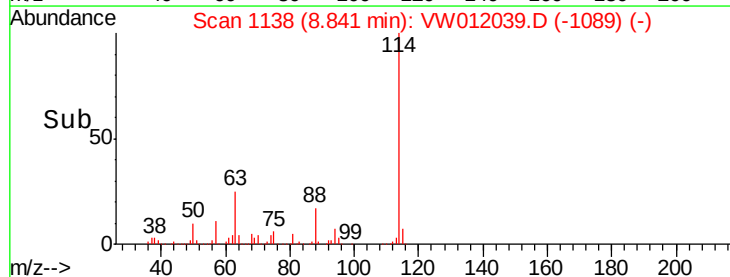
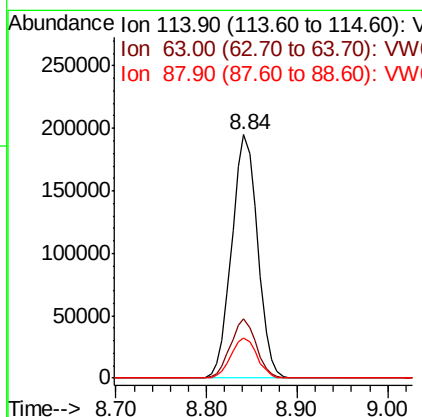
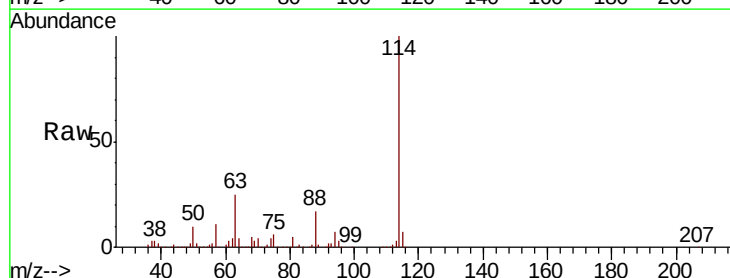
Instrument :
 MSVOA_W
 ClientSampleId :
 T6-B-(0)

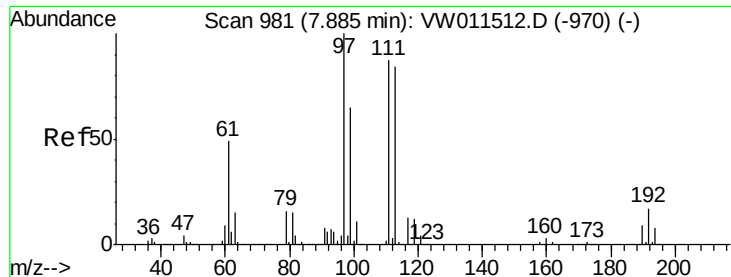
Tgt Ion: 65 Resp: 141829
 Ion Ratio Lower Upper
 65 100
 67 52.1 0.0 105.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012039.D
 Acq: 20 Aug 2019 19:38

Tgt Ion: 114 Resp: 386982
 Ion Ratio Lower Upper
 114 100
 63 24.6 0.0 49.2
 88 16.6 0.0 33.8

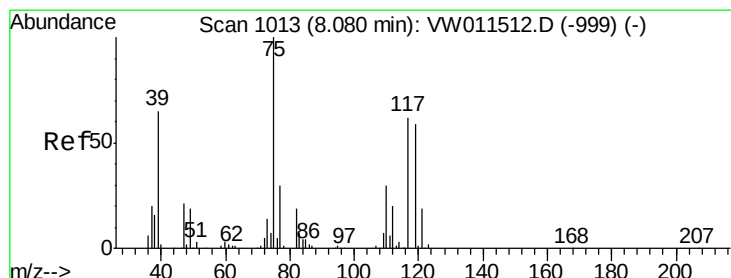
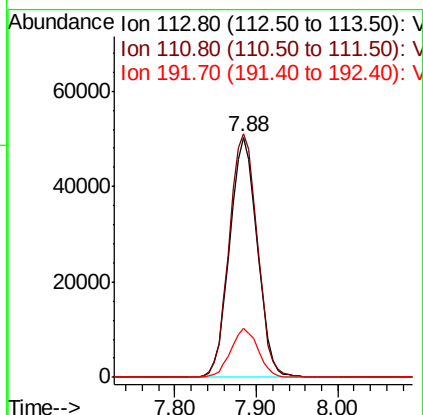
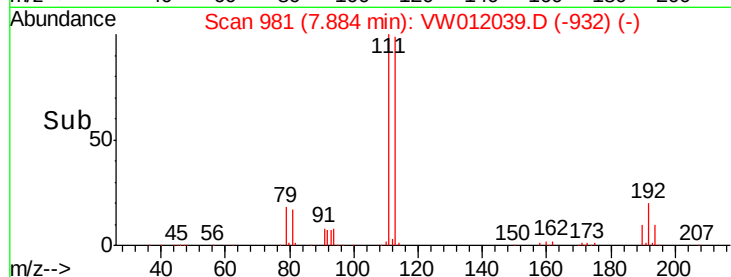
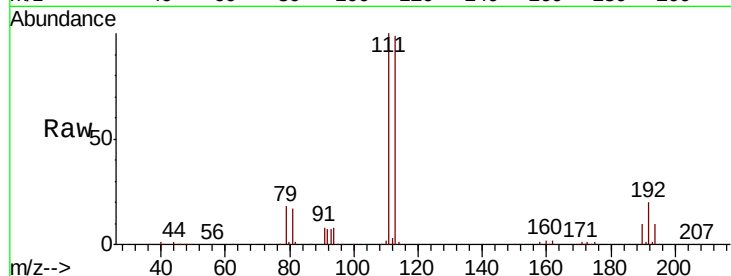




#35
 Dibromofluoromethane
 Concen: 53.912 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW012039.D
 Acq: 20 Aug 2019 19:38

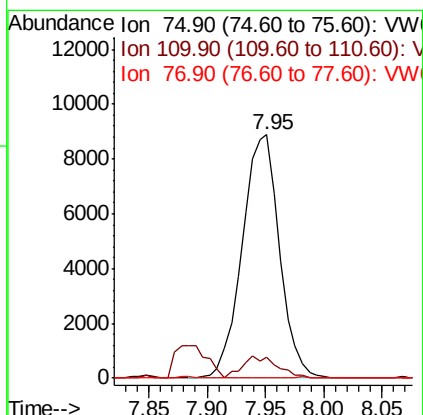
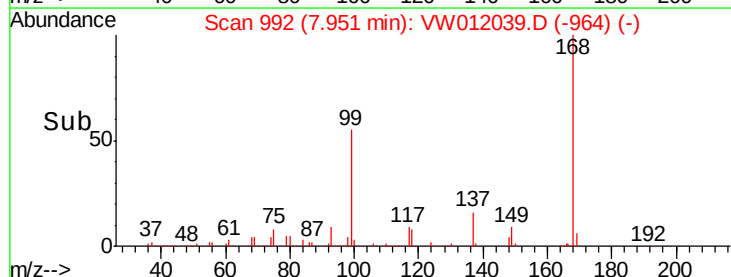
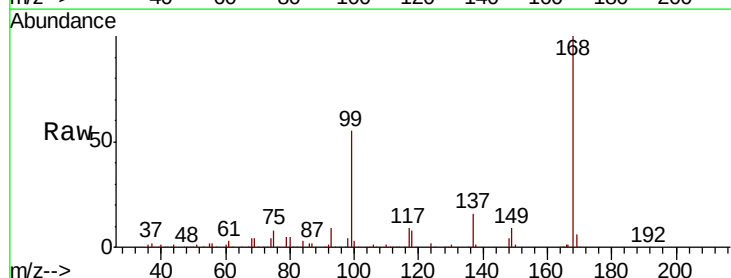
Instrument :
 MSVOA_W
 ClientSampleId :
 T6-B-(0)

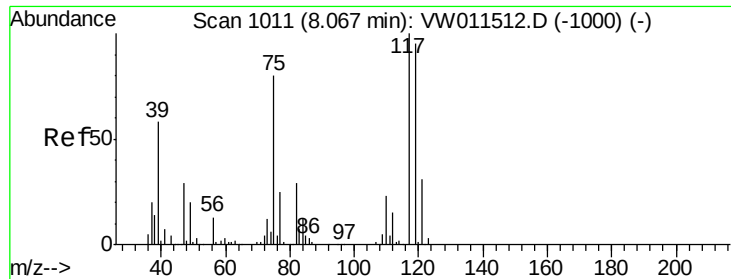
Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.7	82.7	124.1
192	20.3	16.1	24.1



#36
 1,1-Dichloropropene
 Concen: 4.936 ug/l
 RT: 7.95 min Scan# 992
 Delta R.T. -0.13 min
 Lab File: VW012039.D
 Acq: 20 Aug 2019 19:38

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.6	15.6	46.8#
77	0.0	24.3	36.5#





#38

Carbon Tetrachloride

Concen: 6.904 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW012039.D

Acq: 20 Aug 2019 19:38

Instrument :

MSVOA_W

ClientSampled :

T6-B-(0)

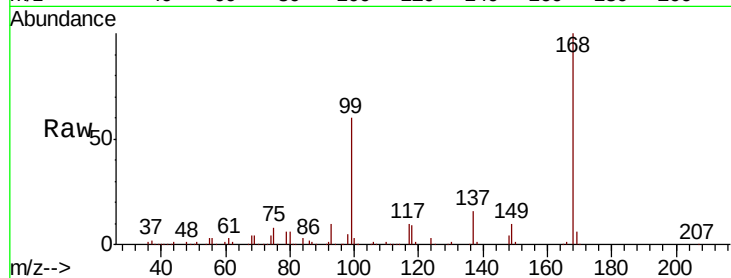
Tgt Ion: 117 Resp: 23784

Ion Ratio Lower Upper

117 100

119 5.1 75.8 113.6#

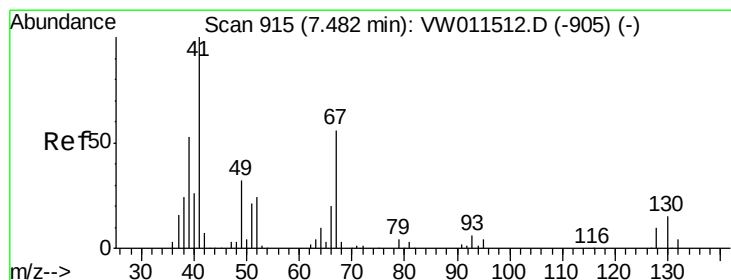
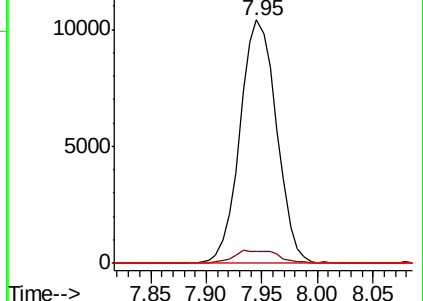
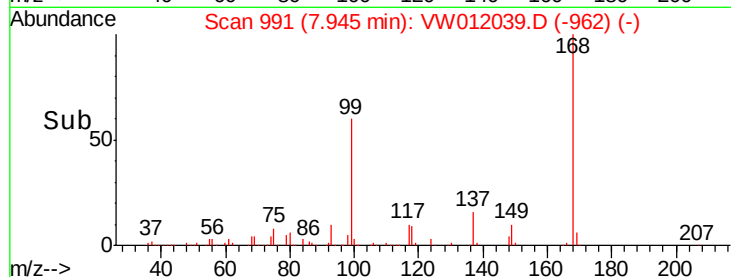
121 0.0 24.7 37.1#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#41

Methacrylonitrile

Concen: 2.771 ug/l

RT: 7.54 min Scan# 925

Delta R.T. 0.06 min

Lab File: VW012039.D

Acq: 20 Aug 2019 19:38

Tgt Ion: 41 Resp: 3835

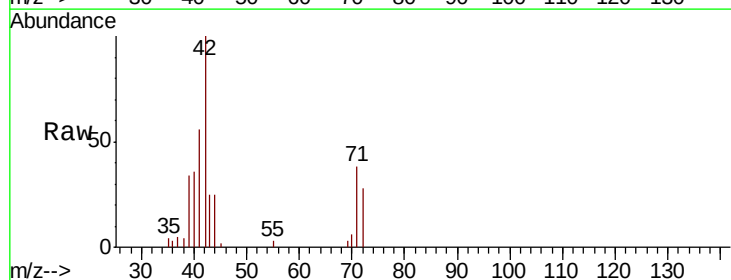
Ion Ratio Lower Upper

41 100

39 53.8 43.0 64.4

67 1.0 47.5 71.3#

52 0.0 21.0 31.6#

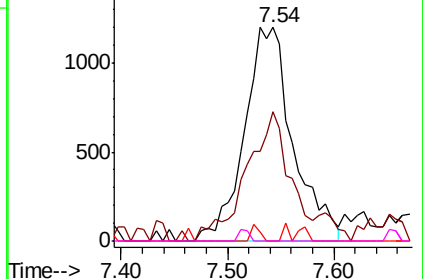
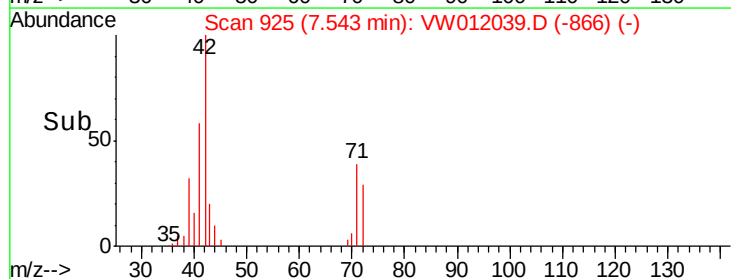


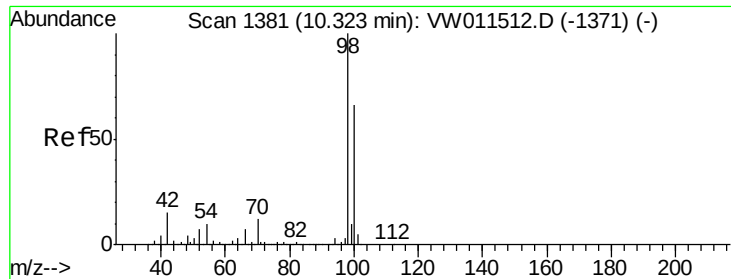
Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 67.00 (66.70 to 67.70): VW

Ion 52.00 (51.70 to 52.70): VW

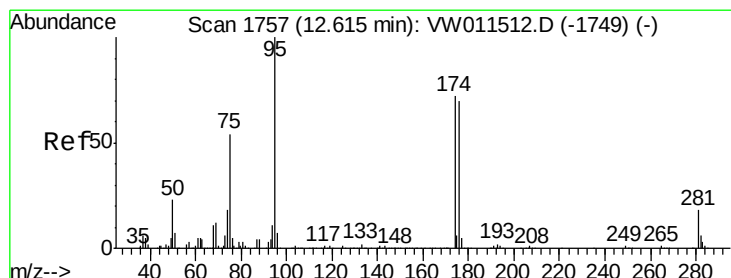
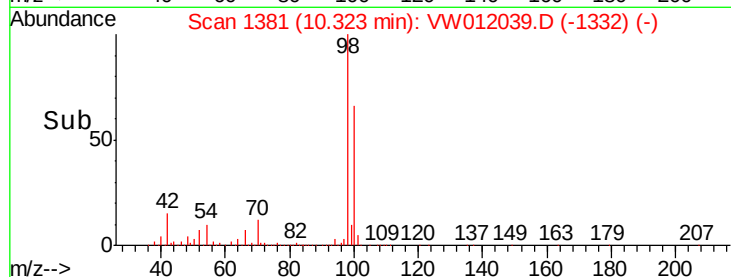
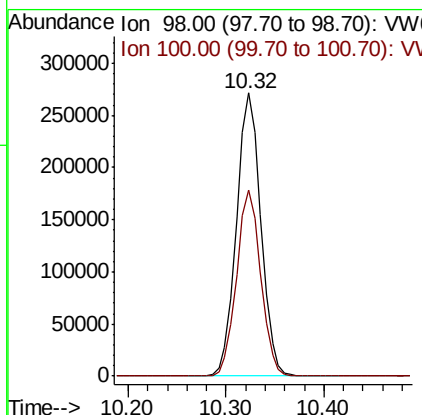
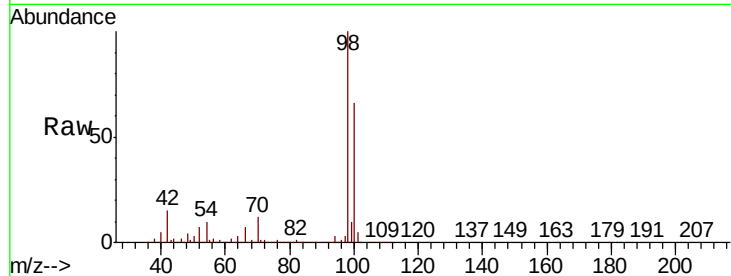




#50
Toluene-d8
Concen: 52.795 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW012039.D
Acq: 20 Aug 2019 19:38

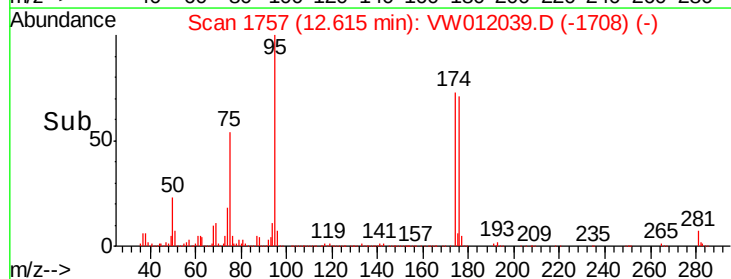
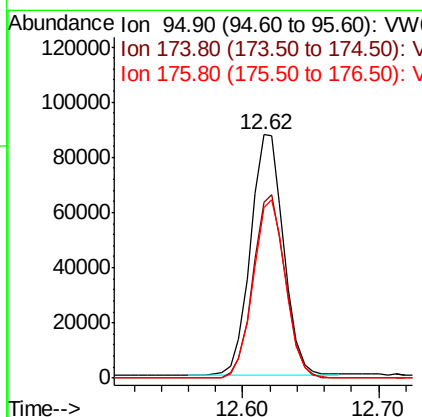
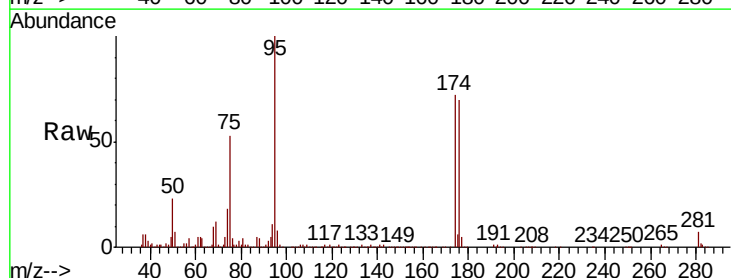
Instrument :
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T6-B-(0)

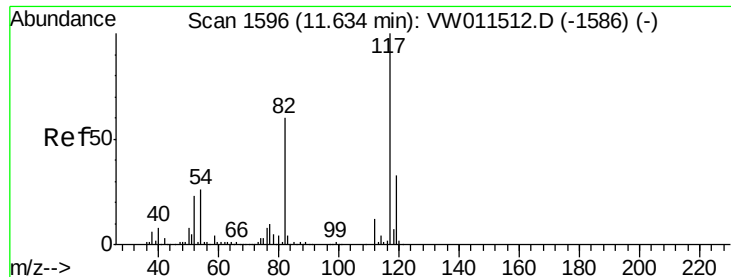
Tgt Ion: 98 Resp: 469289
Ion Ratio Lower Upper
98 100
100 65.1 52.7 79.1



#62
4-Bromofluorobenzene
Concen: 46.743 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.00 min
Lab File: VW012039.D
Acq: 20 Aug 2019 19:38

Tgt Ion: 95 Resp: 148132
Ion Ratio Lower Upper
95 100
174 74.5 0.0 150.2
176 72.9 0.0 144.4

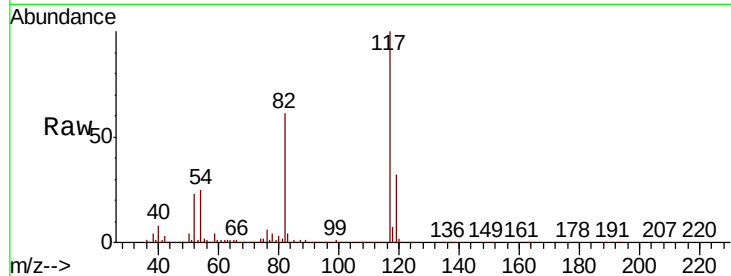




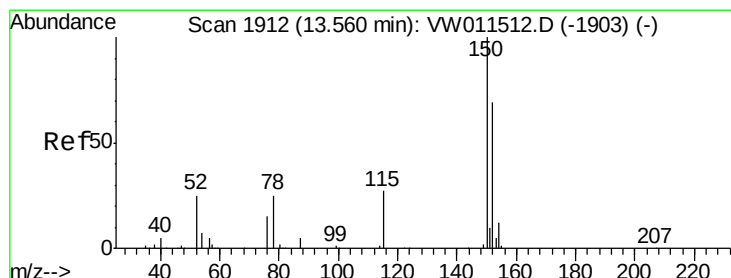
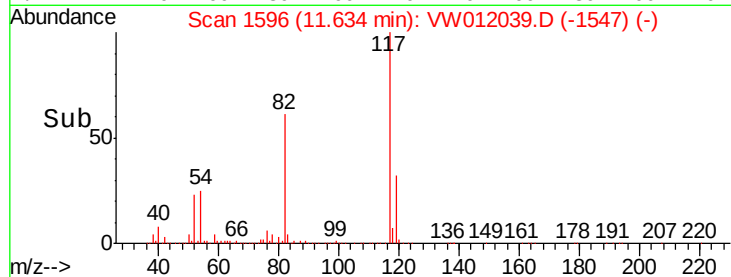
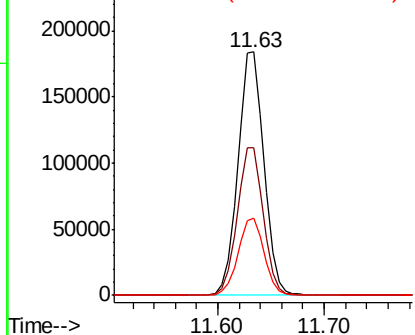
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW012039.D
Acq: 20 Aug 2019 19:38

Instrument :
MSVOA_W
ClientSampleId :
T6-B-(0)

Tgt Ion:117 Resp: 315422
Ion Ratio Lower Upper
117 100
82 60.5 47.9 71.9
119 31.8 26.2 39.2

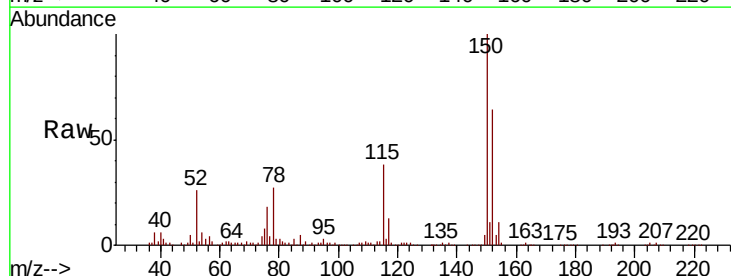


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

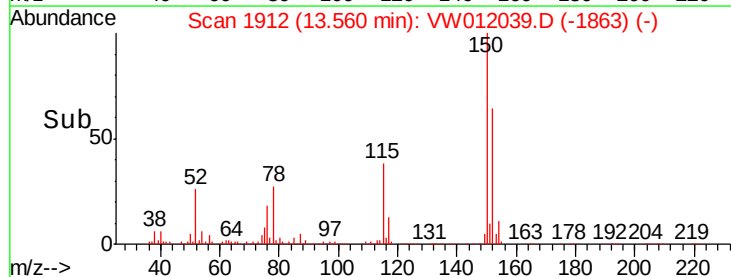
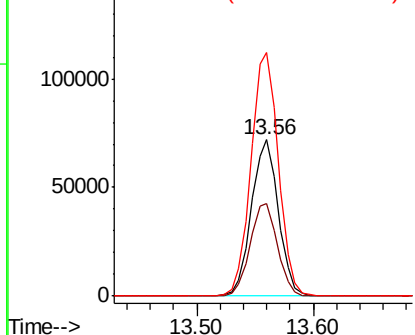


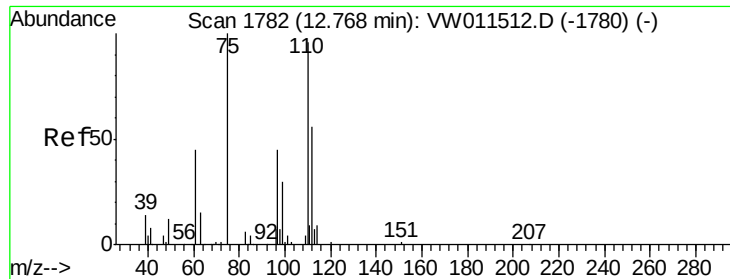
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW012039.D
Acq: 20 Aug 2019 19:38

Tgt Ion:152 Resp: 116151
Ion Ratio Lower Upper
152 100
115 60.0 30.5 91.5
150 157.1 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: 63.269 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW012039.D

Acq: 20 Aug 2019 19:38

Instrument :

MSVOA_W

ClientSampled :

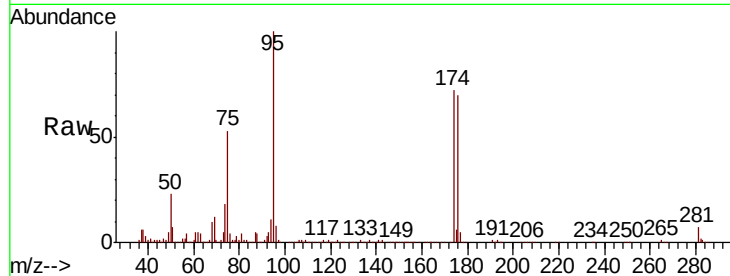
T6-B-(0)

Tgt Ion: 75 Resp: 77758

Ion Ratio Lower Upper

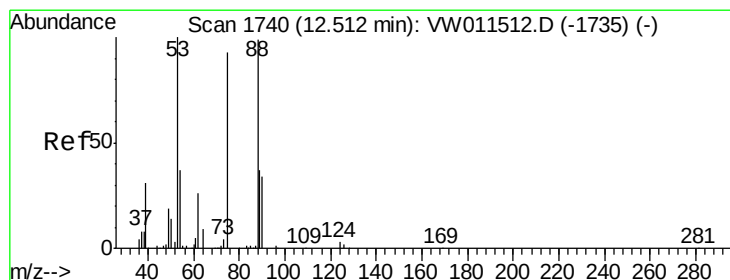
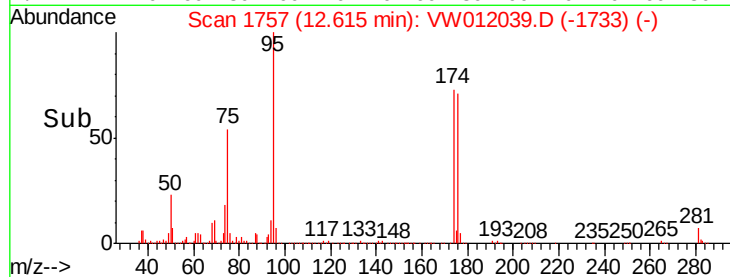
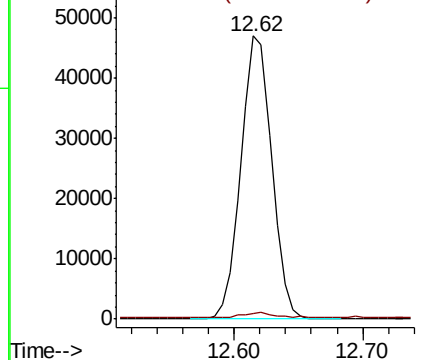
75 100

77 1.8 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: 145.813 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW012039.D

Acq: 20 Aug 2019 19:38

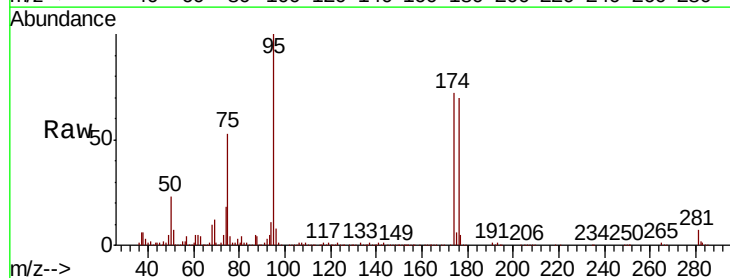
Tgt Ion: 75 Resp: 77758

Ion Ratio Lower Upper

75 100

53 0.6 88.0 132.0#

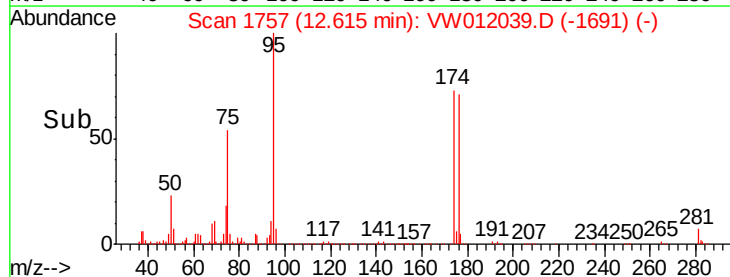
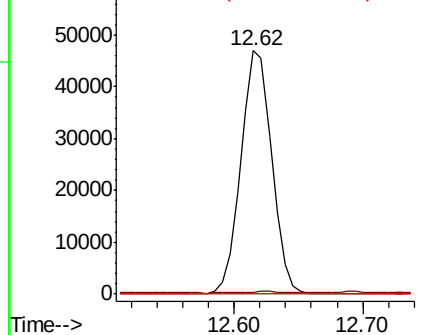
89 0.1 35.3 52.9#

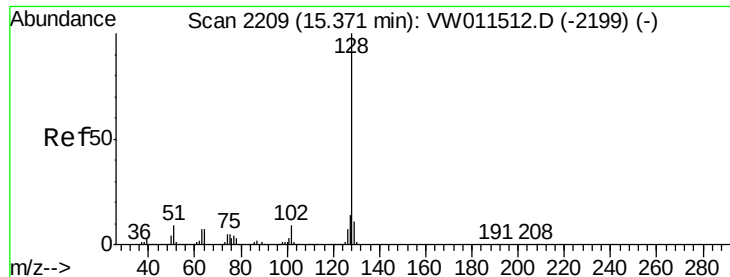


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW





#95

Naphthalene

Concen: 2.376 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW012039.D

Acq: 20 Aug 2019 19:38

Instrument :

MSVOA_W

ClientSampleId :

T6-B-(0)

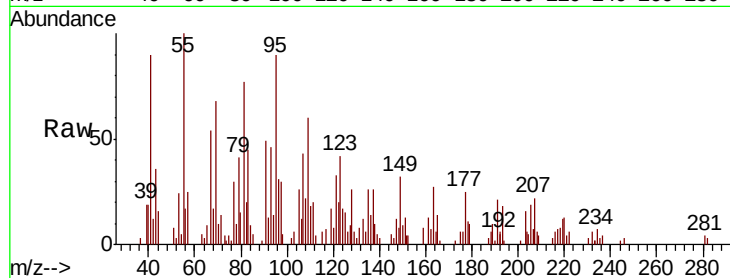
Tgt Ion:128 Resp: 1482

Ion Ratio Lower Upper

128 100

127 27.1 10.6 16.0#

129 20.9 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

