

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW082119\
 Data File : VW012088.D
 Acq On : 21 Aug 2019 23:19
 Operator : SY/VA
 Sample : K4403-09
 Misc : 6.35G/5ML/MSVOA_W/SOIL
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 T1-H4-(2.5)

Quant Time: Aug 22 05:20:08 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

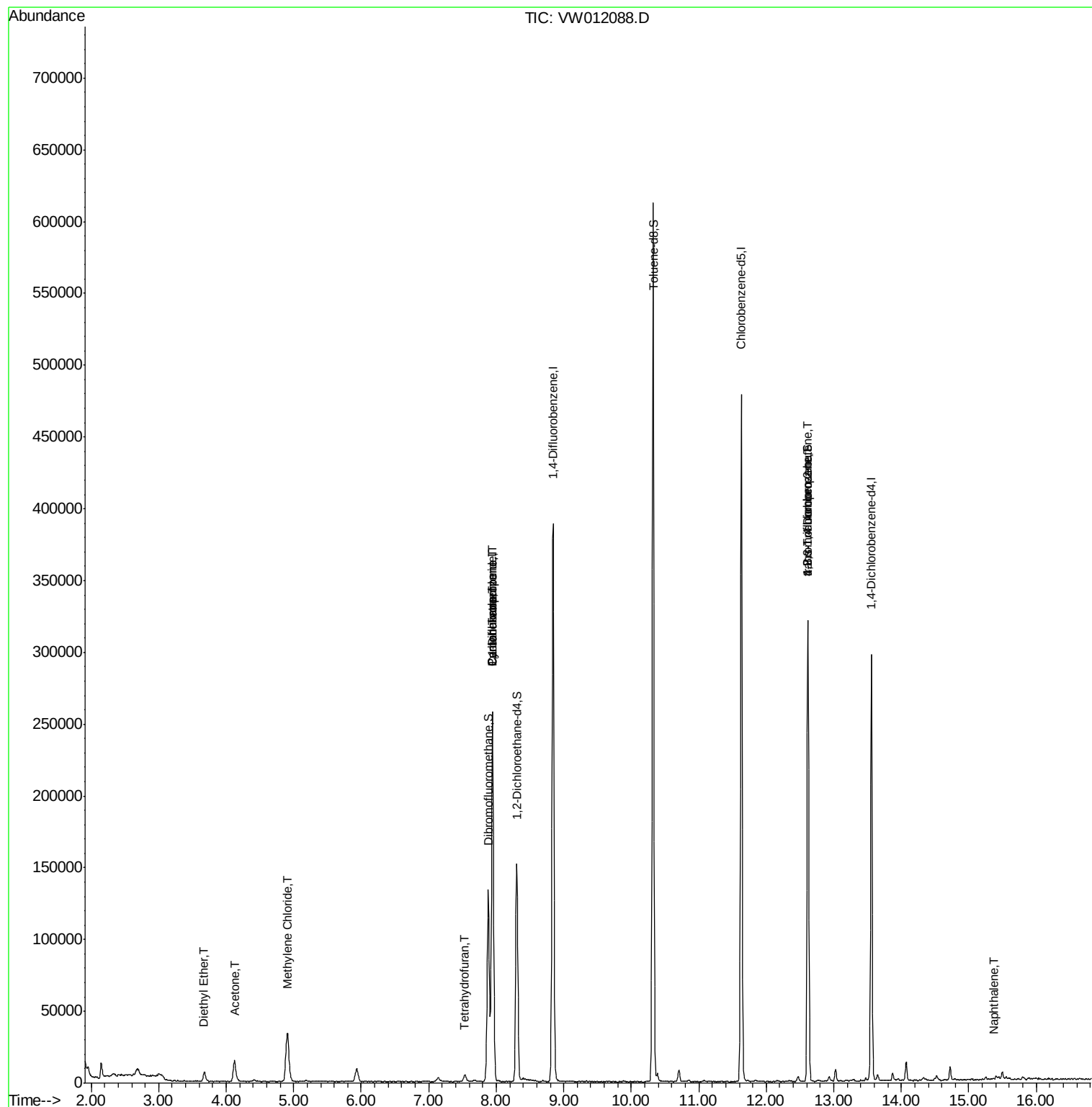
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	187618	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	309618	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	249263	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	76332	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	121039	56.18	ug/l	0.00
Spiked Amount 50.000			Recovery	=	112.36%	
35) Dibromofluoromethane	7.88	113	95770	55.13	ug/l	0.00
Spiked Amount 50.000			Recovery	=	110.26%	
50) Toluene-d8	10.32	98	380455	53.50	ug/l	0.00
Spiked Amount 50.000			Recovery	=	107.00%	
62) 4-Bromofluorobenzene	12.62	95	103991	41.01	ug/l	0.00
Spiked Amount 50.000			Recovery	=	82.02%	
Target Compounds						
8) Diethyl Ether	3.68	74	3473	3.140	ug/l	96
11) Tert butyl alcohol	5.17	59	722	Below Cal	#	91
16) Acetone	4.12	43	27846	40.633	ug/l	96
20) Methylene Chloride	4.91	84	24044	10.173	ug/l	97
29) Tetrahydrofuran	7.54	42	4130	8.057	ug/l	96
31) Cyclohexane	7.95	56	4938	1.226	ug/l #	1
36) 1,1-Dichloropropene	7.94	75	16618	5.162	ug/l #	51
38) Carbon Tetrachloride	7.94	117	18657	6.769	ug/l #	17
76) 1,2,3-Trichloropropane	12.62	75	55377	68.563	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	55377	158.014	ug/l #	6
95) Naphthalene	15.36	128	189	2.126	ug/l #	83

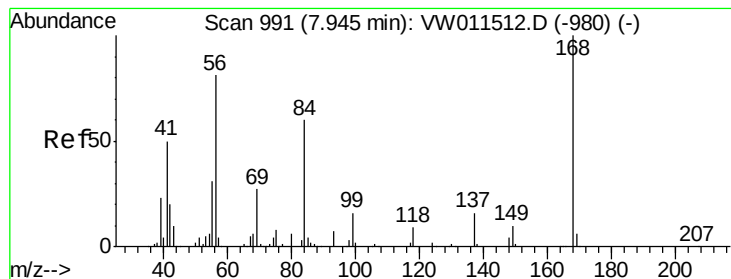
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW082119\
Data File : VW012088.D
Acq On : 21 Aug 2019 23:19
Operator : SY/VA
Sample : K4403-09
Misc : 6.35G/5ML/MSVOA_W/SOIL
ALS Vial : 34 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
T1-H4-(2.5)

Quant Time: Aug 22 05:20:08 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W072719S.M
Quant Title : SW846 8260
QLast Update : Sat Jul 27 00:23:30 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: VW012088.D

Acq: 21 Aug 2019 23:19

Instrument :

MSVOA_W

ClientSampleId :

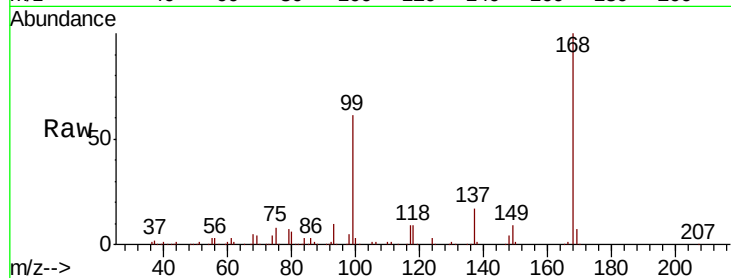
T1-H4-(2.5)

Tgt Ion:168 Resp: 187618

Ion Ratio Lower Upper

168 100

99 60.7 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): VW011512.D (-980) (-)

Ion 98.90 (98.60 to 99.60): VW011512.D (-980) (-)

7.95

80000

60000

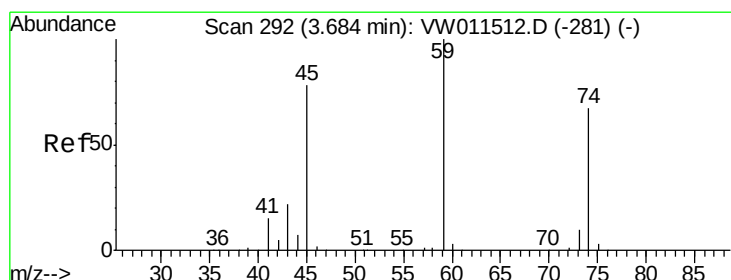
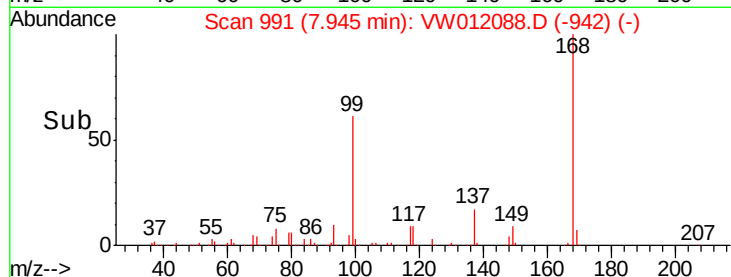
40000

20000

0

7.80 7.90 8.00 8.10

Time-->



#8

Diethyl Ether

Concen: 3.140 ug/l

RT: 3.68 min Scan# 291

Delta R.T. -0.01 min

Lab File: VW012088.D

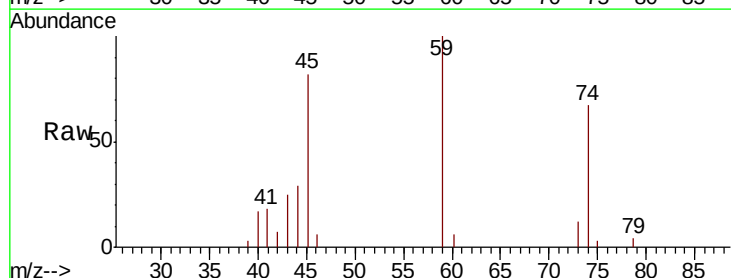
Acq: 21 Aug 2019 23:19

Tgt Ion: 74 Resp: 3473

Ion Ratio Lower Upper

74 100

45 124.0 59.6 178.8



Abundance Ion 74.00 (73.70 to 74.70): VW011512.D (-281) (-)

Ion 45.00 (44.70 to 45.70): VW011512.D (-281) (-)

3.68

2000

1500

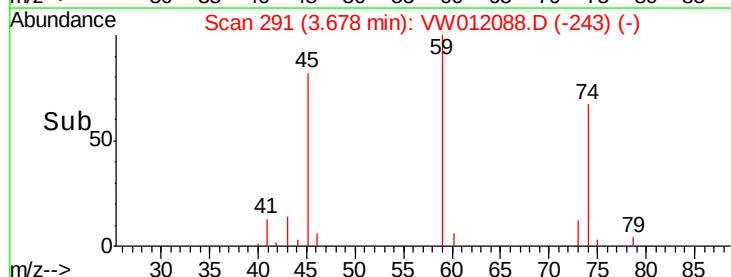
1000

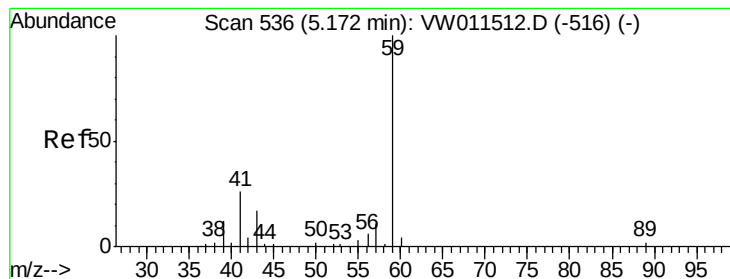
500

0

3.60 3.65 3.70 3.75

Time-->



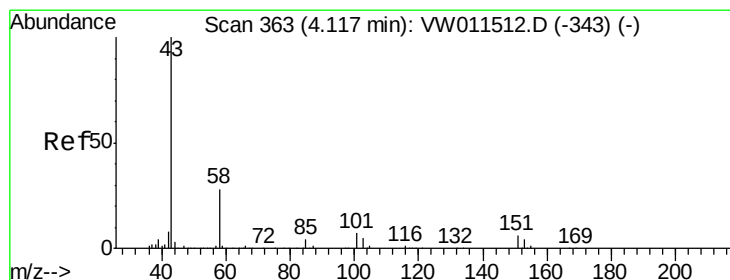
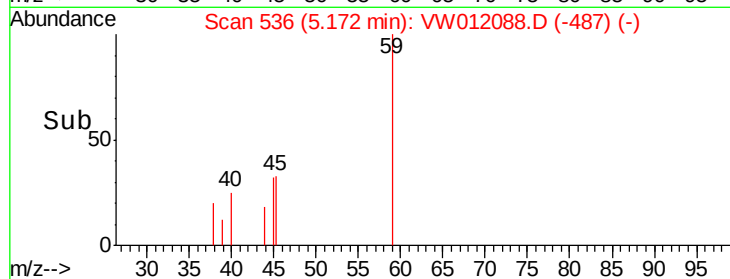
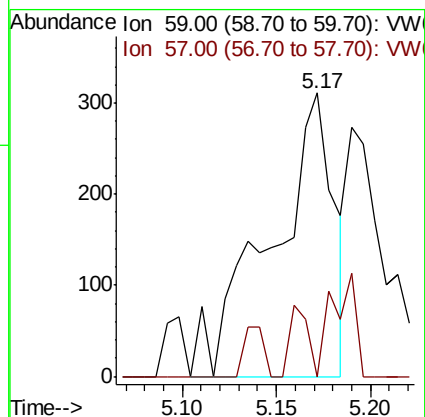
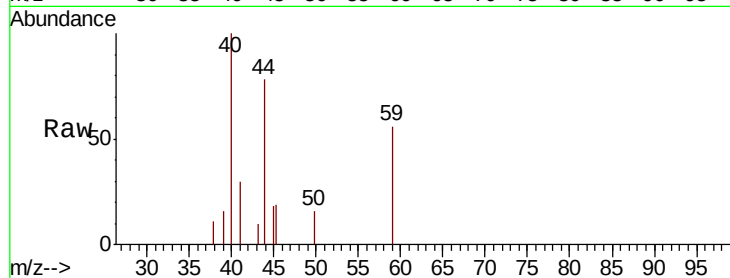


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 5.17 min Scan# 536
 Delta R.T. 0.00 min
 Lab File: VW012088.D
 Acq: 21 Aug 2019 23:19

Instrument :
 MSVOA_W
 ClientSampled :
 T1-H4-(2.5)

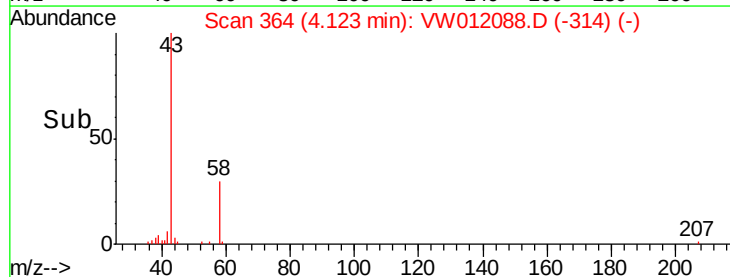
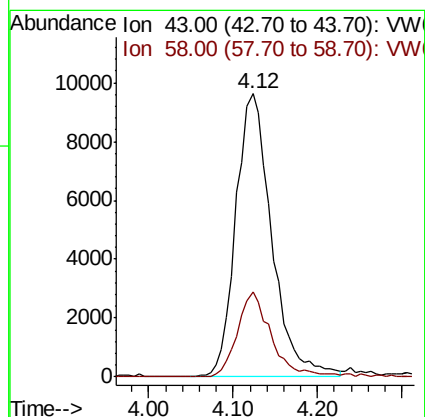
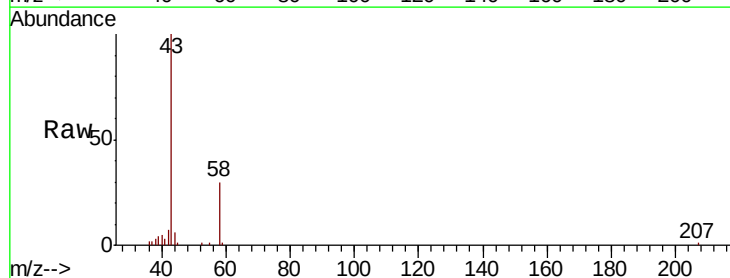
Tgt Ion: 59 Resp: 722
 Ion Ratio Lower Upper
 59 100
 57 7.1 8.5 12.7#

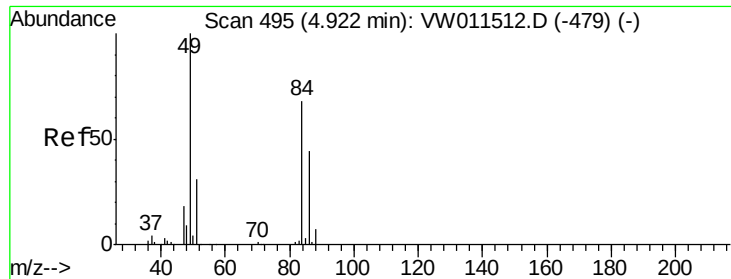


#16

Acetone
 Concen: 40.633 ug/l
 RT: 4.12 min Scan# 364
 Delta R.T. 0.01 min
 Lab File: VW012088.D
 Acq: 21 Aug 2019 23:19

Tgt Ion: 43 Resp: 27846
 Ion Ratio Lower Upper
 43 100
 58 30.0 22.3 33.5

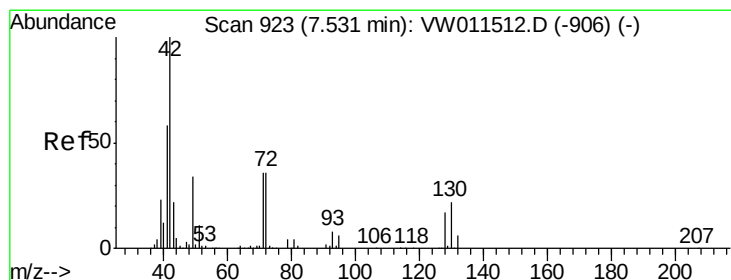
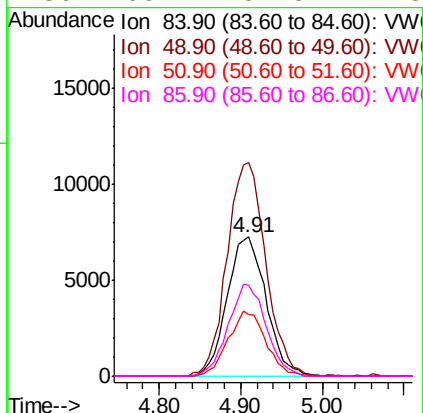
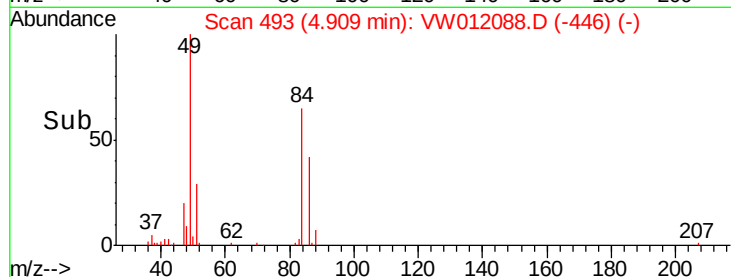
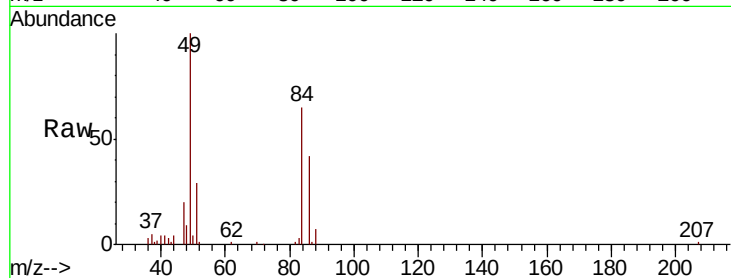




#20
Methylene Chloride
Concen: 10.173 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW012088.D
Acq: 21 Aug 2019 23:19

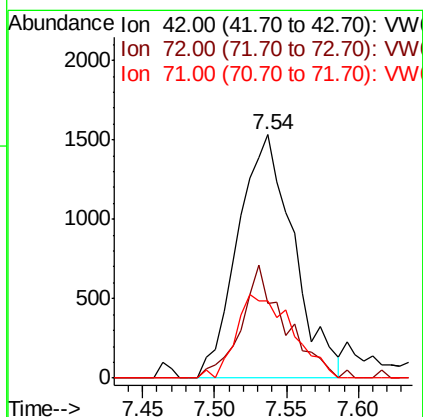
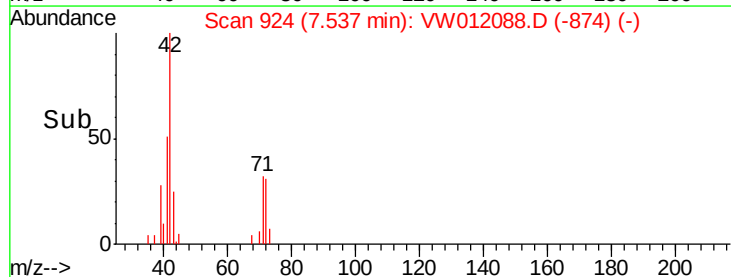
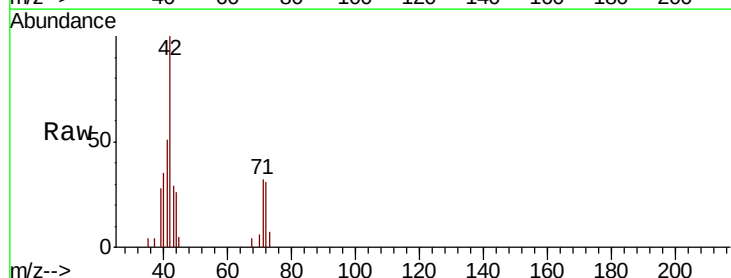
Instrument :
MSVOA_W
ClientSampleId :
T1-H4-(2.5)

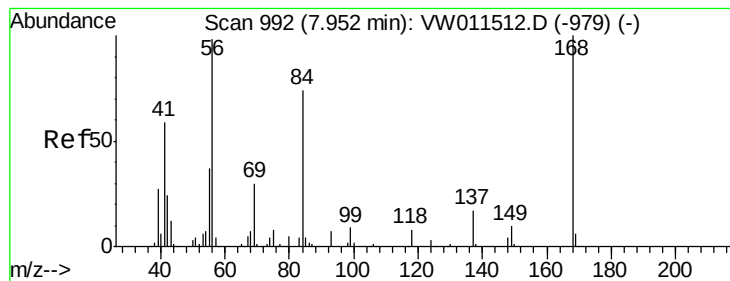
Tgt Ion: 84 Resp: 24044
Ion Ratio Lower Upper
84 100
49 153.5 117.8 176.6
51 44.5 37.0 55.4
86 65.1 51.8 77.8



#29
Tetrahydrofuran
Concen: 8.057 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.01 min
Lab File: VW012088.D
Acq: 21 Aug 2019 23:19

Tgt Ion: 42 Resp: 4130
Ion Ratio Lower Upper
42 100
72 36.7 27.1 40.7
71 34.3 26.2 39.4





#31

Cyclohexane

Concen: 1.226 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW012088.D

Acq: 21 Aug 2019 23:19

Instrument :
MSVOA_W
ClientSampleId :
T1-H4-(2.5)

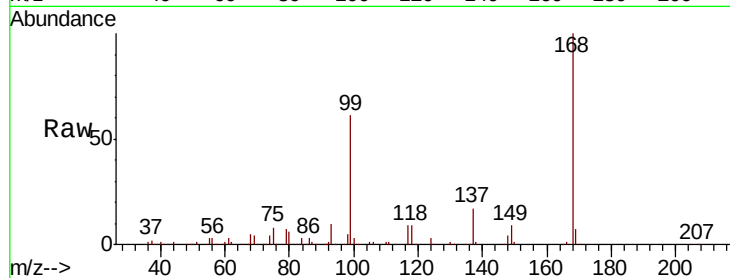
Tgt Ion: 56 Resp: 4938

Ion Ratio Lower Upper

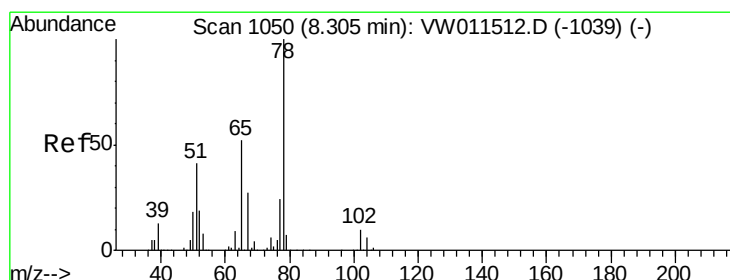
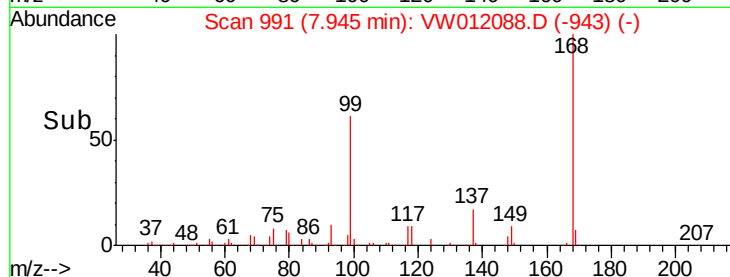
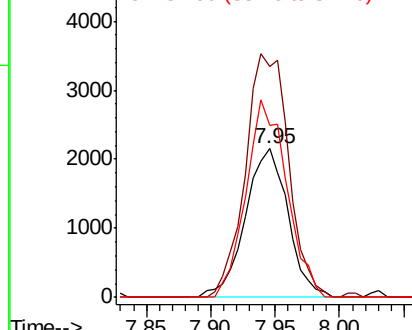
56 100

69 155.3 24.3 36.5#

84 115.8 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: 56.183 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW012088.D

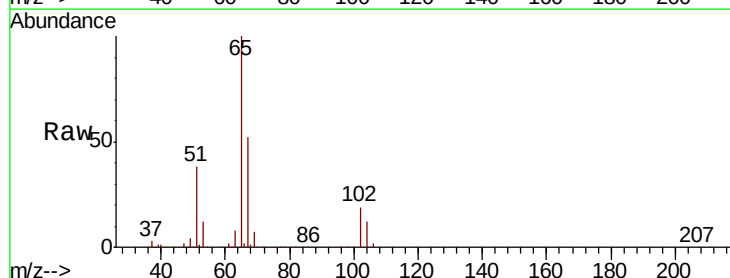
Acq: 21 Aug 2019 23:19

Tgt Ion: 65 Resp: 121039

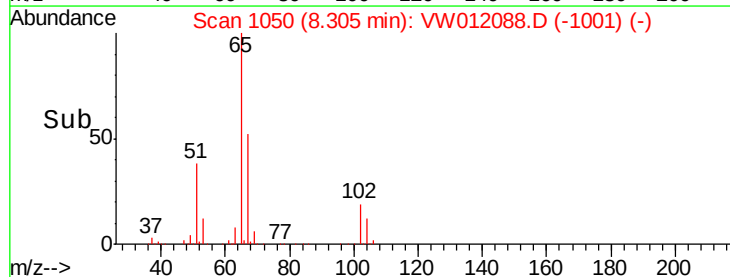
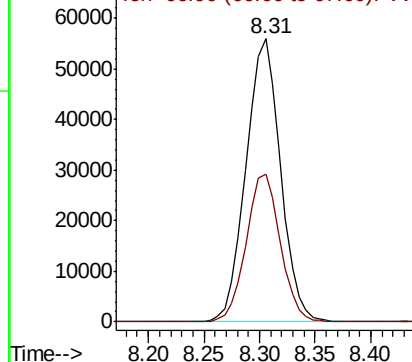
Ion Ratio Lower Upper

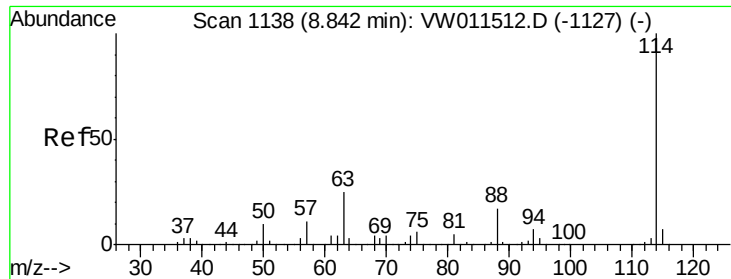
65 100

67 51.8 0.0 105.2



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

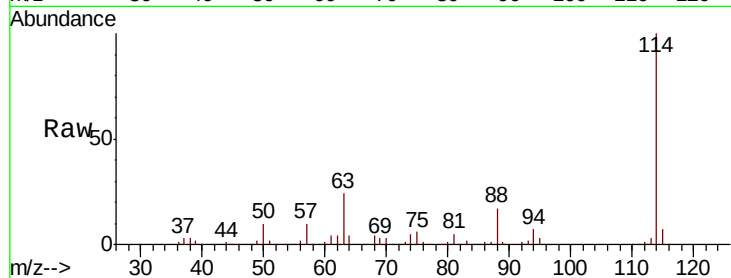




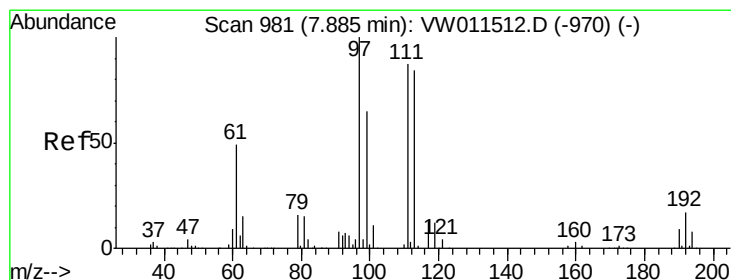
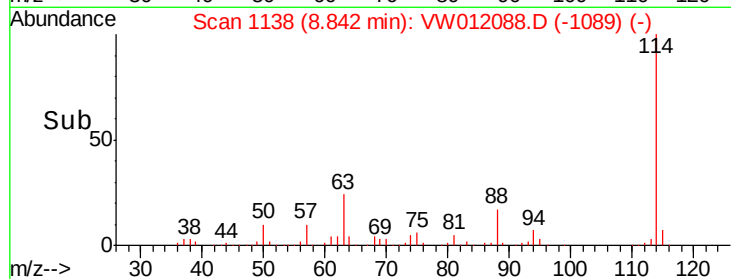
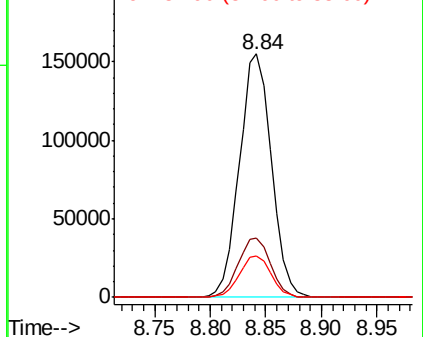
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.84 min Scan# 1138
Delta R.T. 0.00 min
Lab File: VW012088.D
Acq: 21 Aug 2019 23:19

Instrument :
MSVOA_W
ClientSampleId :
T1-H4-(2.5)

Tgt Ion:114 Resp: 309618
Ion Ratio Lower Upper
114 100
63 24.3 0.0 49.2
88 17.0 0.0 33.8

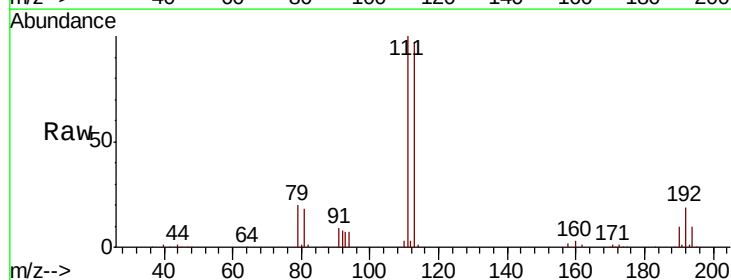


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VW
Ion 87.90 (87.60 to 88.60): VW

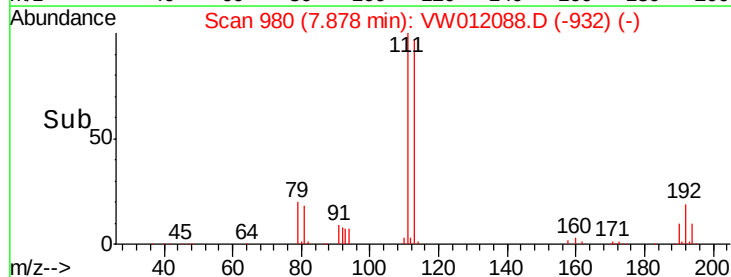
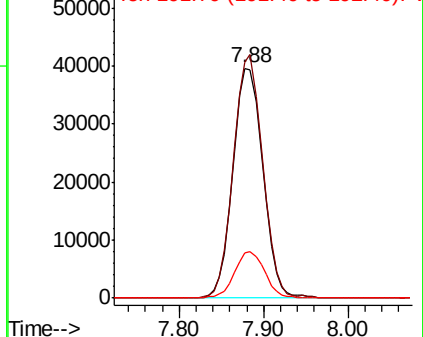


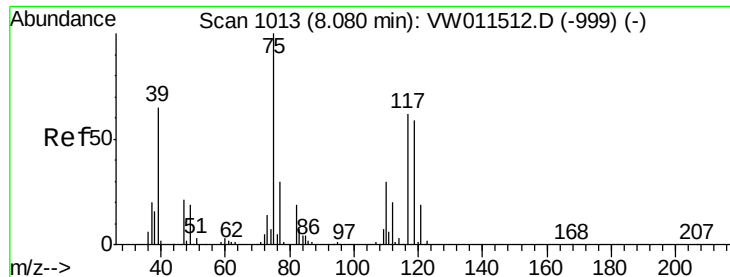
#35
Dibromofluoromethane
Concen: 55.135 ug/l
RT: 7.88 min Scan# 980
Delta R.T. -0.01 min
Lab File: VW012088.D
Acq: 21 Aug 2019 23:19

Tgt Ion:113 Resp: 95770
Ion Ratio Lower Upper
113 100
111 103.1 82.7 124.1
192 20.1 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: 5.162 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.14 min

Lab File: VW012088.D

Acq: 21 Aug 2019 23:19

Instrument :

MSVOA_W

ClientSampleId :

T1-H4-(2.5)

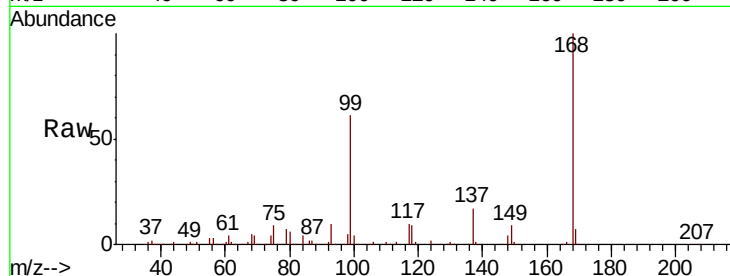
Tgt Ion: 75 Resp: 16618

Ion Ratio Lower Upper

75 100

110 8.0 15.6 46.8#

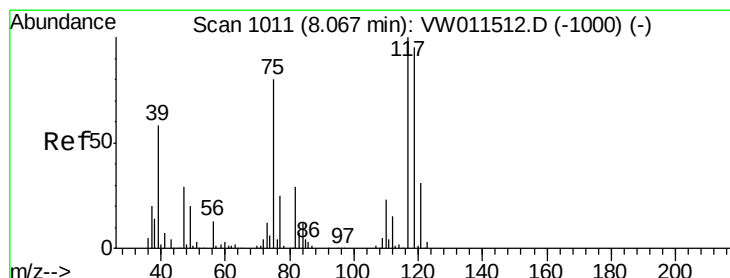
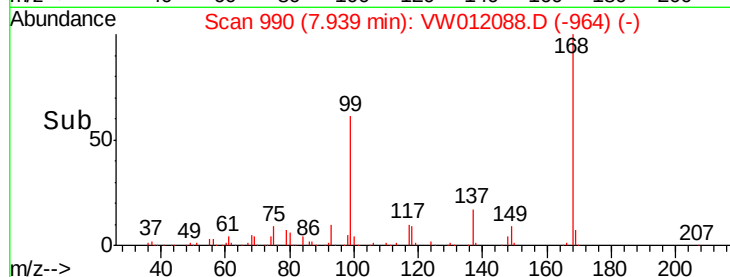
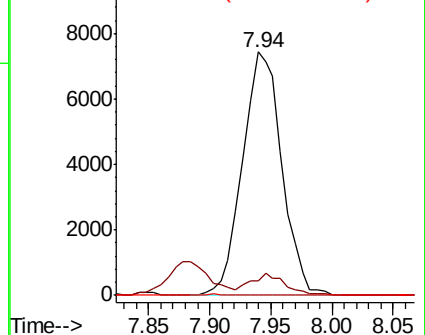
77 0.0 24.3 36.5#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW



#38

Carbon Tetrachloride

Concen: 6.769 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.13 min

Lab File: VW012088.D

Acq: 21 Aug 2019 23:19

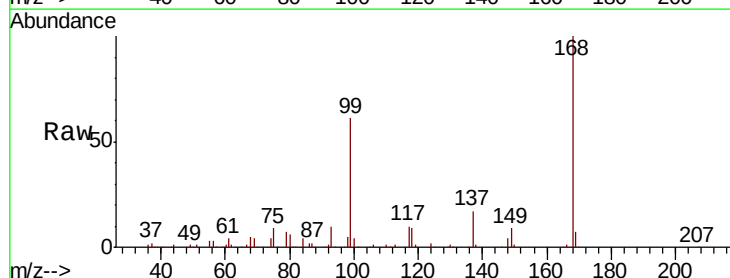
Tgt Ion: 117 Resp: 18657

Ion Ratio Lower Upper

117 100

119 5.4 75.8 113.6#

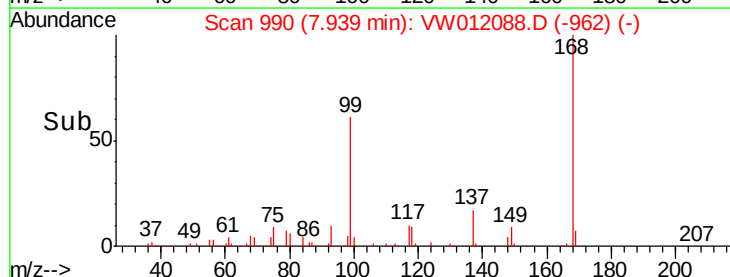
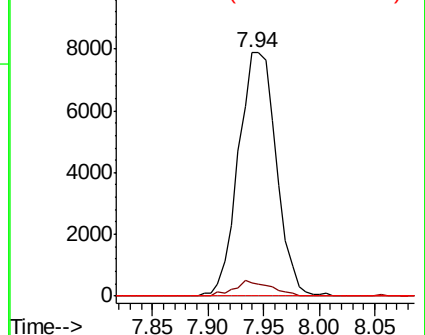
121 0.0 24.7 37.1#

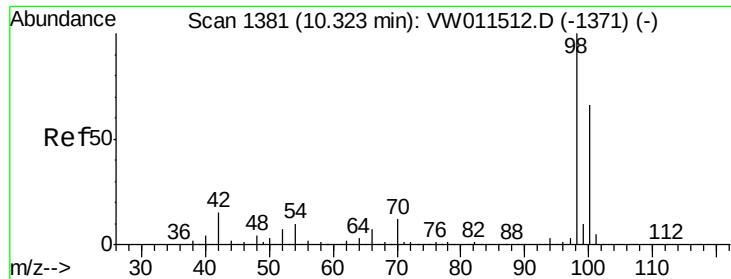


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

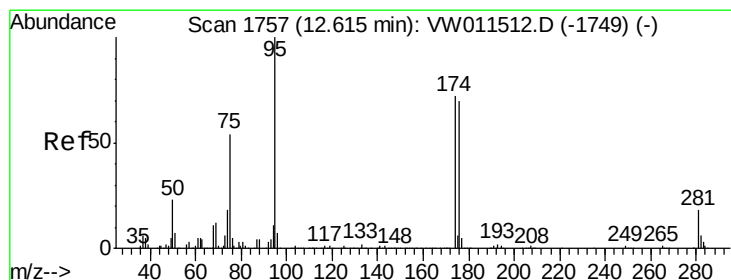
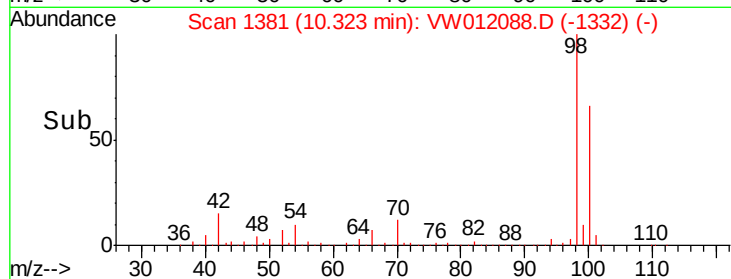
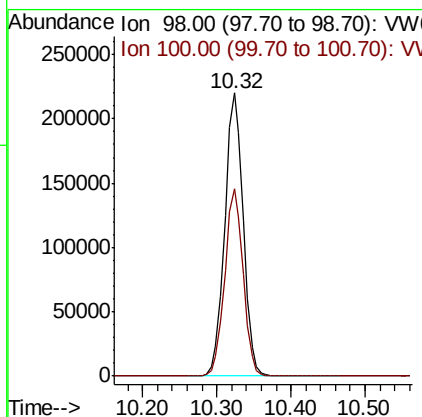
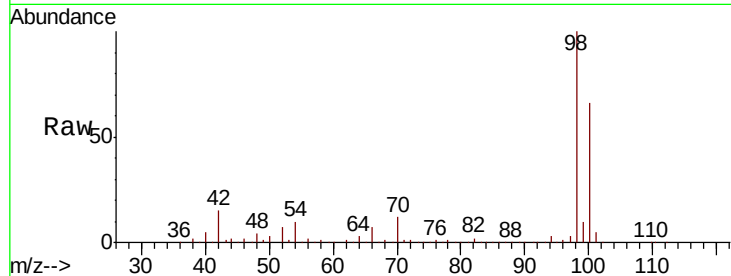




#50
Toluene-d8
Concen: 53.496 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW012088.D
Acq: 21 Aug 2019 23:19

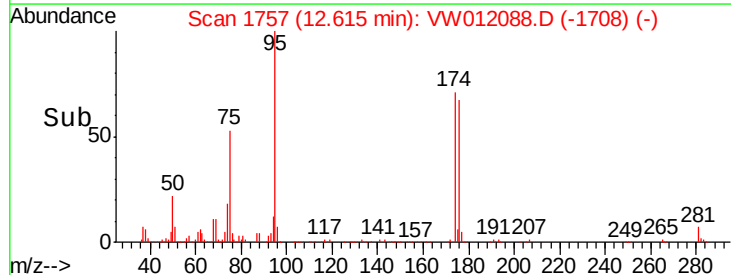
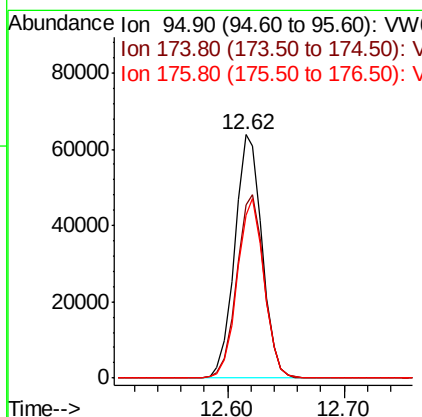
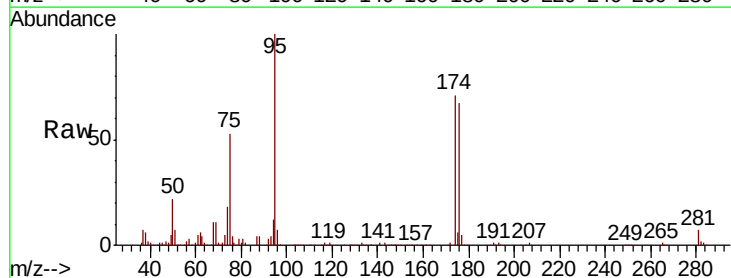
Instrument :
MSVOA_W
ClientSampleId :
T1-H4(2.5)

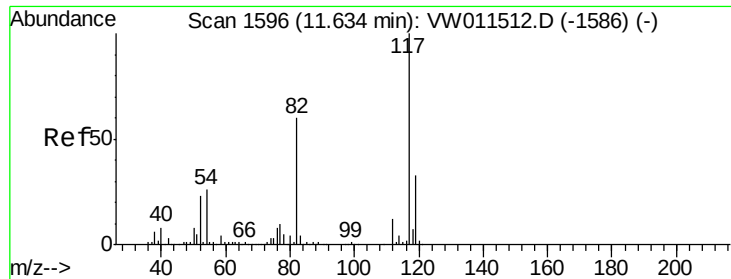
Tgt Ion: 98 Resp: 380455
Ion Ratio Lower Upper
98 100
100 65.7 52.7 79.1



#62
4-Bromofluorobenzene
Concen: 41.014 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.00 min
Lab File: VW012088.D
Acq: 21 Aug 2019 23:19

Tgt Ion: 95 Resp: 103991
Ion Ratio Lower Upper
95 100
174 75.6 0.0 150.2
176 72.8 0.0 144.4

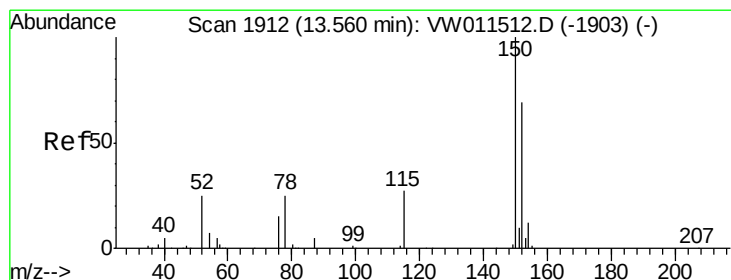
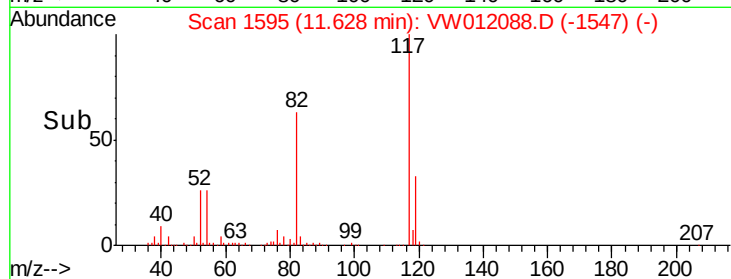
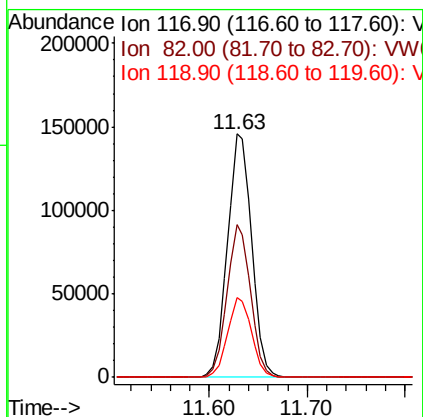
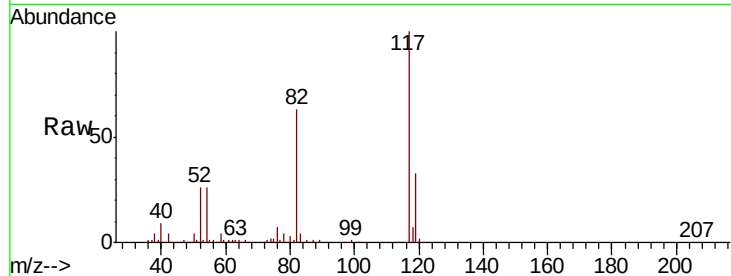




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012088.D
Acq: 21 Aug 2019 23:19

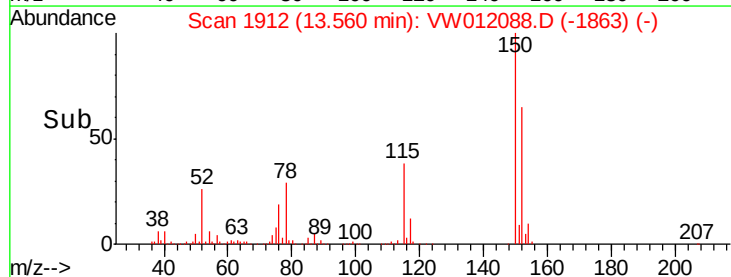
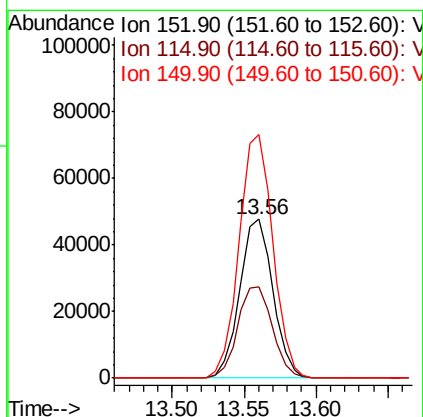
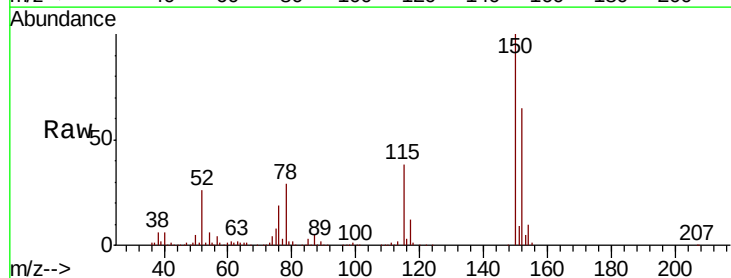
Instrument :
MSVOA_W
ClientSampleId :
T1-H4-(2.5)

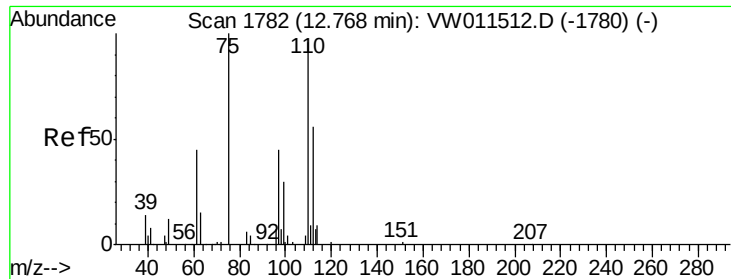
Tgt Ion:117 Resp: 249263
Ion Ratio Lower Upper
117 100
82 62.7 47.9 71.9
119 32.9 26.2 39.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW012088.D
Acq: 21 Aug 2019 23:19

Tgt Ion:152 Resp: 76332
Ion Ratio Lower Upper
152 100
115 60.5 30.5 91.5
150 156.3 0.0 352.6

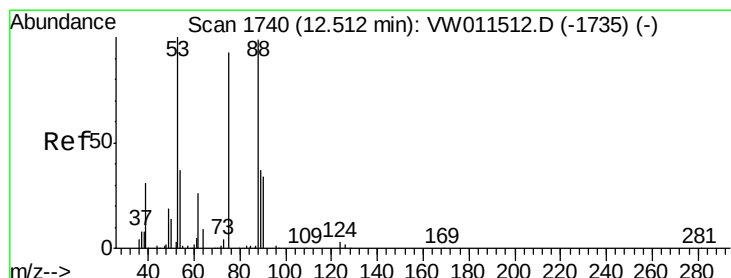
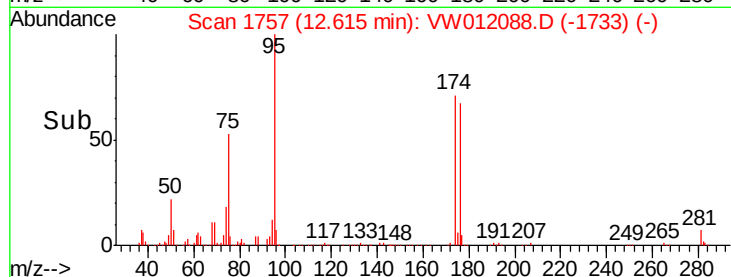
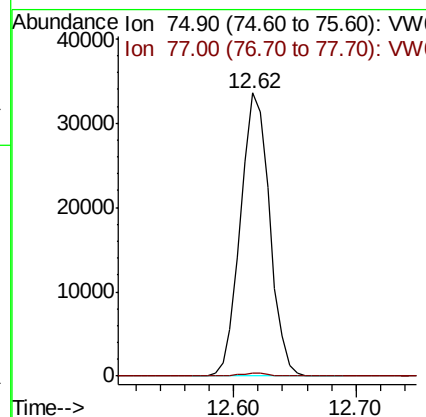
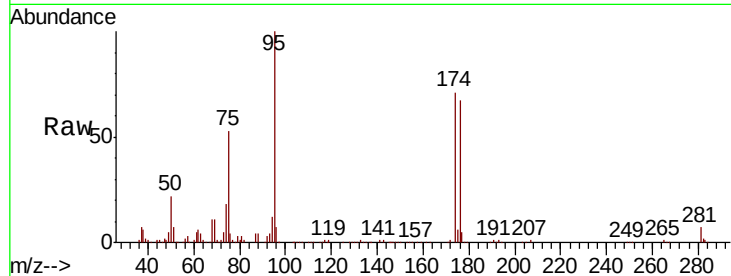




#76
 1,2,3-Trichloropropane
 Concen: 68.563 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.15 min
 Lab File: VW012088.D
 Acq: 21 Aug 2019 23:19

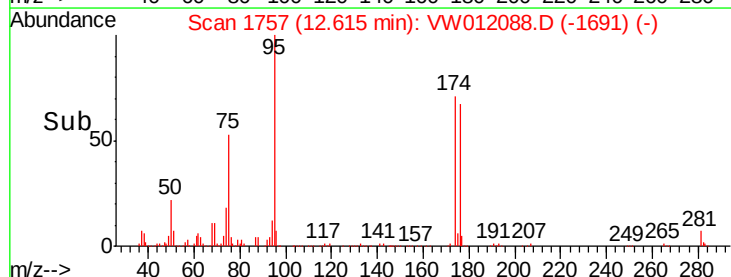
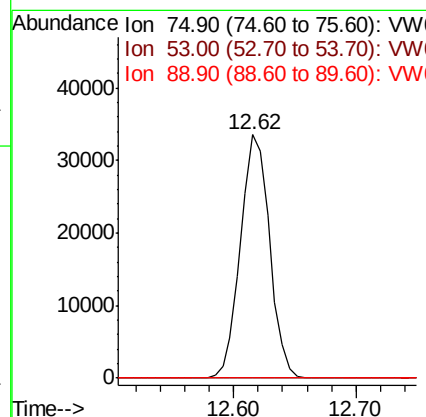
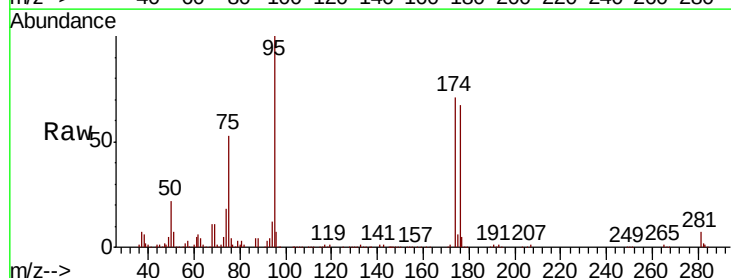
Instrument :
 MSVOA_W
 ClientSampleId :
 T1-H4-(2.5)

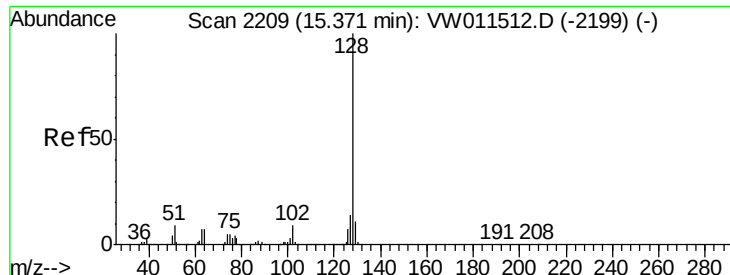
Tgt Ion: 75 Resp: 55377
 Ion Ratio Lower Upper
 75 100
 77 1.2 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 158.014 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.10 min
 Lab File: VW012088.D
 Acq: 21 Aug 2019 23:19

Tgt Ion: 75 Resp: 55377
 Ion Ratio Lower Upper
 75 100
 53 0.3 88.0 132.0#
 89 0.0 35.3 52.9#





#95

Naphthalene

Concen: 2.126 ug/l

RT: 15.36 min Scan# 2208

Delta R.T. -0.01 min

Lab File: VW012088.D

Acq: 21 Aug 2019 23:19

Instrument :

MSVOA_W

ClientSampleId :

T1-H4-(2.5)

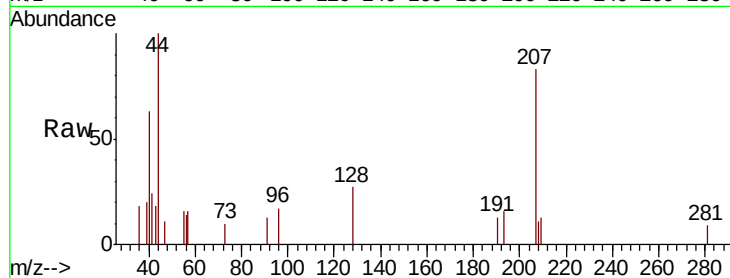
Tgt Ion:128 Resp: 189

Ion Ratio Lower Upper

128 100

127 10.6 10.6 16.0#

129 0.0 8.6 13.0#

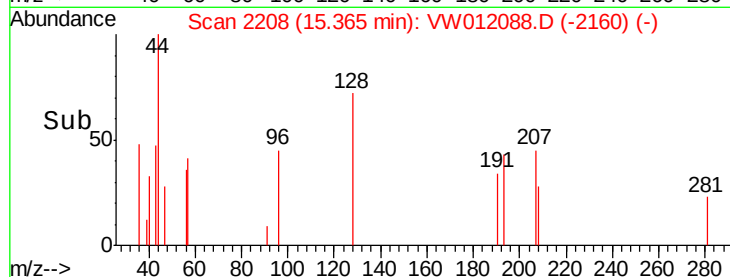
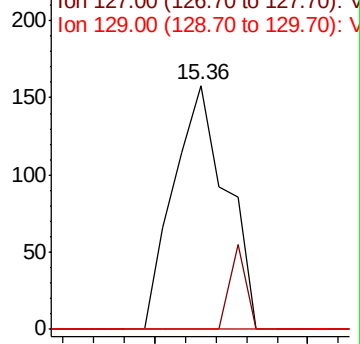


Abundance

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



Time-->