

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW090419\
 Data File : VW012600.D
 Acq On : 04 Sep 2019 17:32
 Operator : SY/VA
 Sample : K4619-12RE
 Misc : 6.26G/5ML/MSVOA W/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Sep 04 18:05:25 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	234834	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	380901	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	325757	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	135023	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	159493	57.13	ug/l	0.00
Spiked Amount			Recovery	=	114.26%	
35) Dibromofluoromethane	7.88	113	118859	52.28	ug/l	0.00
Spiked Amount			Recovery	=	104.56%	
50) Toluene-d8	10.32	98	467299	50.69	ug/l	0.00
Spiked Amount			Recovery	=	101.38%	
62) 4-Bromofluorobenzene	12.62	95	154517	47.55	ug/l	0.00
Spiked Amount			Recovery	=	95.10%	

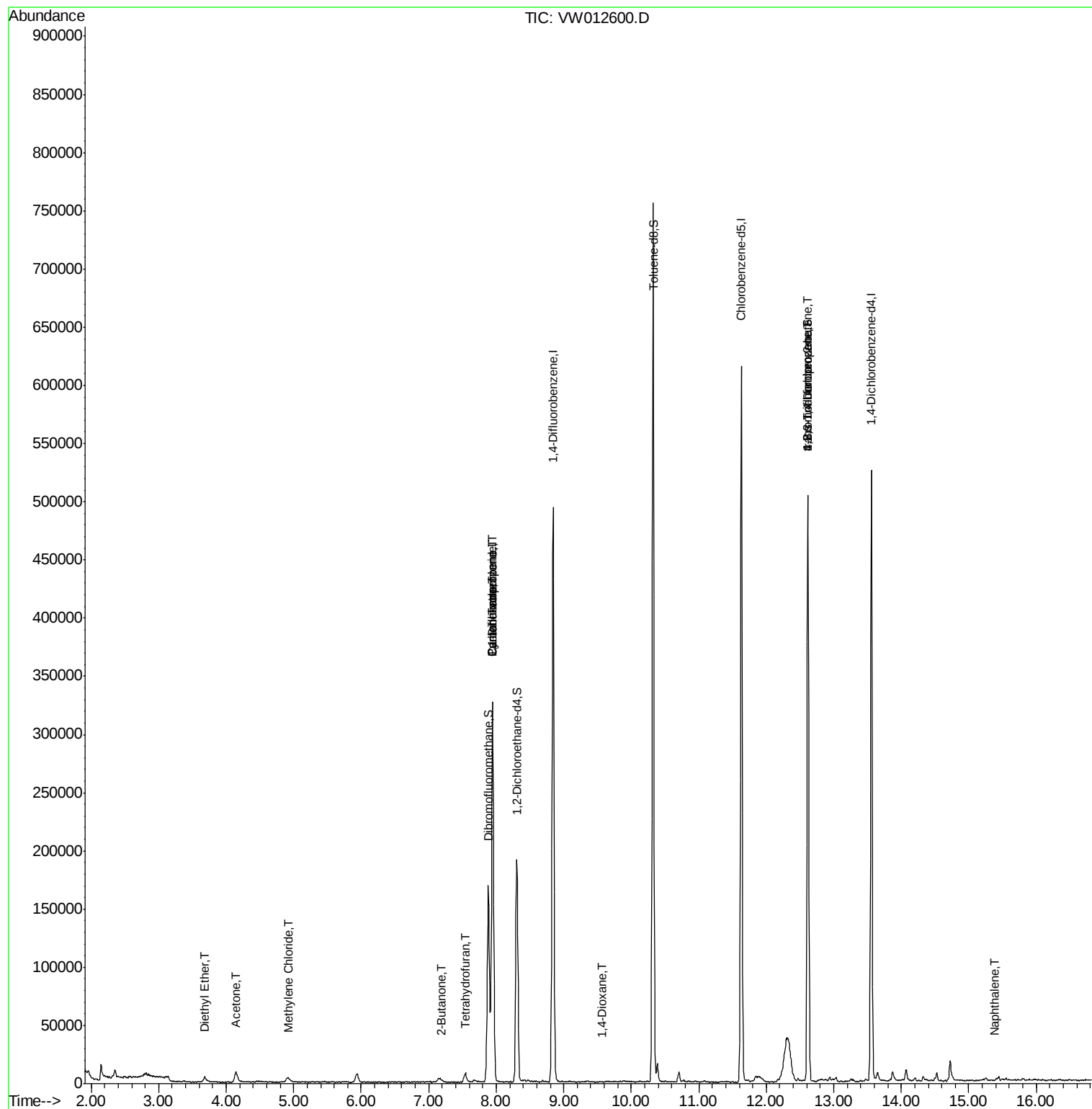
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.68	74	1893	1.449	ug/l	58
16) Acetone	4.14	43	18535	25.974	ug/l	99
20) Methylene Chloride	4.92	84	2910	1.079	ug/l #	81
25) 2-Butanone	7.19	43	2935	3.027	ug/l	99
29) Tetrahydrofuran	7.54	42	7053	12.123	ug/l	97
31) Cyclohexane	7.95	56	5972	1.188	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	20685	5.255	ug/l #	53
38) Carbon Tetrachloride	7.94	117	23995	7.043	ug/l #	15
49) 1,4-Dioxane	9.56	88	36	1.827	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	86550	65.816	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	86550	144.304	ug/l #	6
95) Naphthalene	15.38	128	142	4.347	ug/l #	69

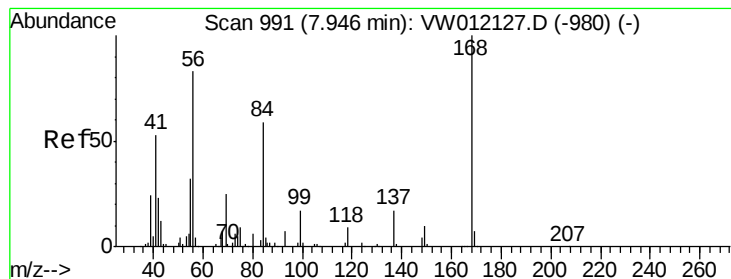
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW090419\
Data File : VW012600.D
Acq On : 04 Sep 2019 17:32
Operator : SY/VA
Sample : K4619-12RE
Misc : 6.26G/5ML/MSVOA W/SOIL
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :

Quant Time: Sep 04 18:05:25 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W082319S.M
Quant Title : SW846 8260
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: VW012600.D

Acq: 04 Sep 2019 17:32

Instrument :

BNA_G

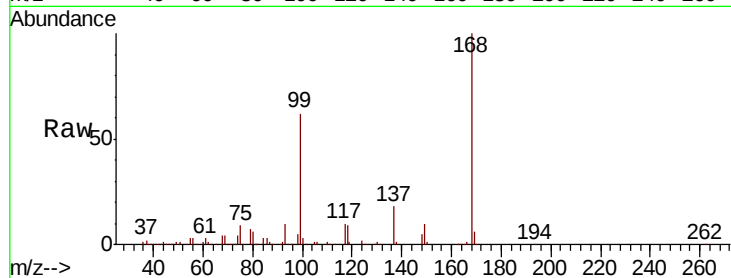
ClientSampleId :

Tot Ion:168 Resp: 234834

Ion Ratio Lower Upper

168 100

99 62.1 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

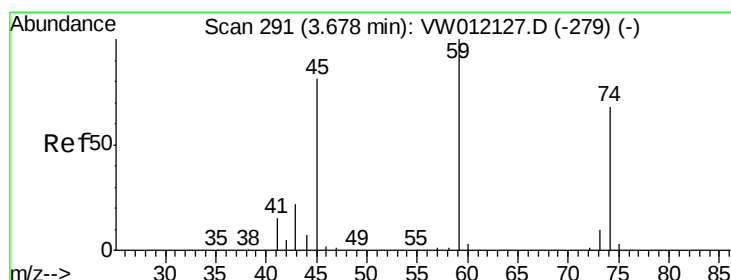
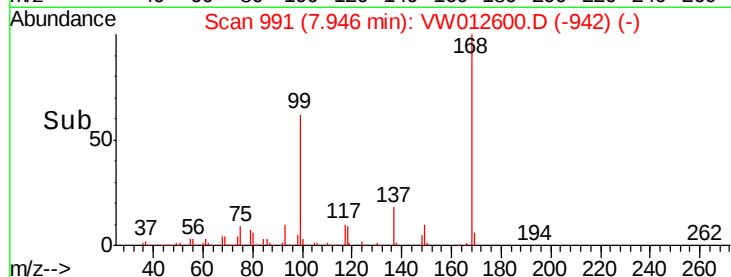
60000

40000

20000

0

Time--> 7.80 7.90 8.00 8.10



#8

Diethyl Ether

Concen: 1.449 ug/l

RT: 3.68 min Scan# 291

Delta R.T. 0.00 min

Lab File: VW012600.D

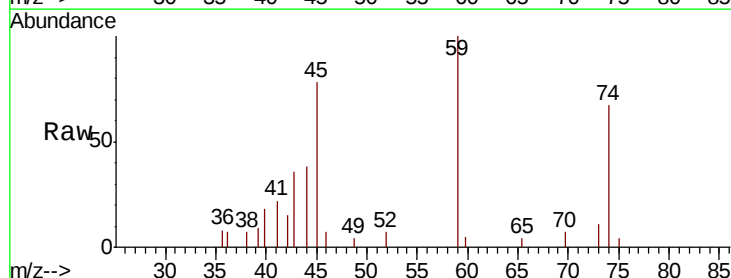
Acq: 04 Sep 2019 17:32

Tgt Ion: 74 Resp: 1893

Ion Ratio Lower Upper

74 100

45 164.7 59.2 177.6



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

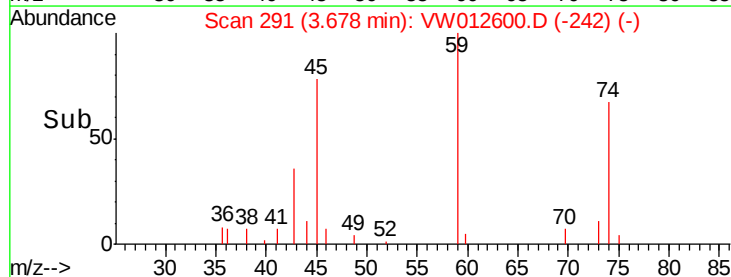
3.68

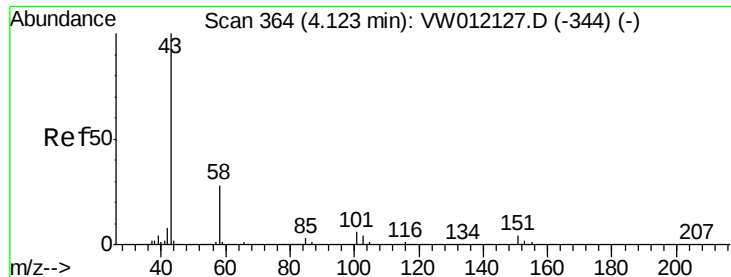
1000

500

0

Time--> 3.60 3.65 3.70 3.75





#16

Acetone

Concen: 25.974 ug/l

RT: 4.14 min Scan# 367

Delta R.T. 0.02 min

Lab File: VW012600.D

Acq: 04 Sep 2019 17:32

Instrument :

BNA_G

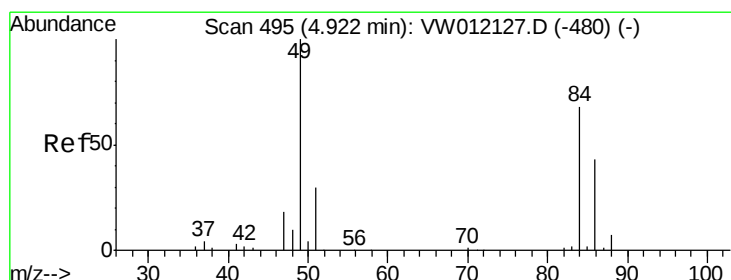
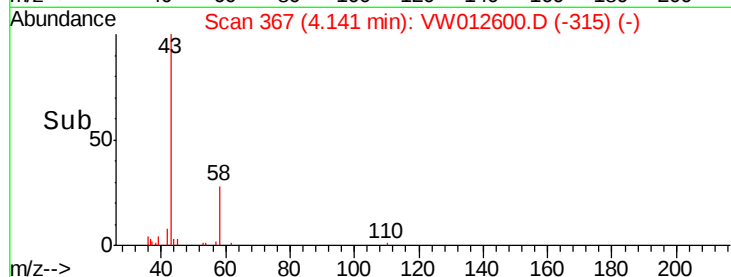
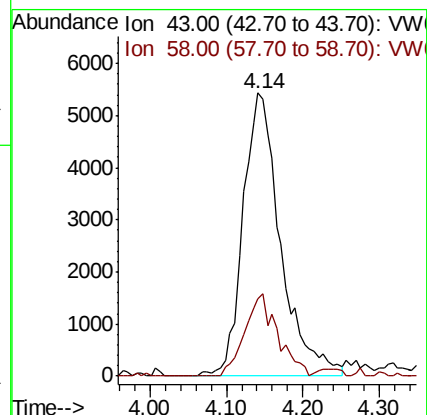
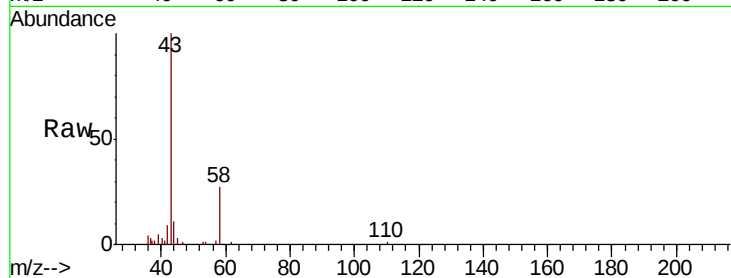
ClientSampleId :

Tot Ion: 43 Resp: 18535

Ion Ratio Lower Upper

43 100

58 27.5 22.4 33.6



#20

Methylene Chloride

Concen: 1.079 ug/l

RT: 4.92 min Scan# 494

Delta R.T. -0.01 min

Lab File: VW012600.D

Acq: 04 Sep 2019 17:32

Tgt Ion: 84 Resp: 2910

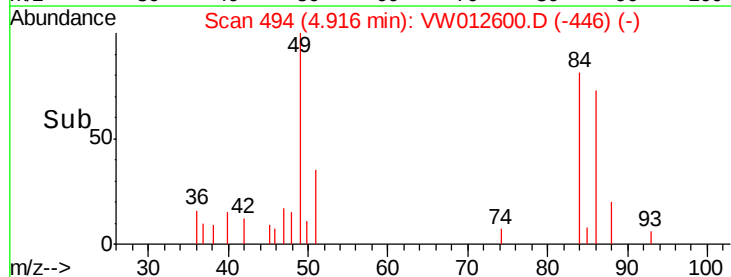
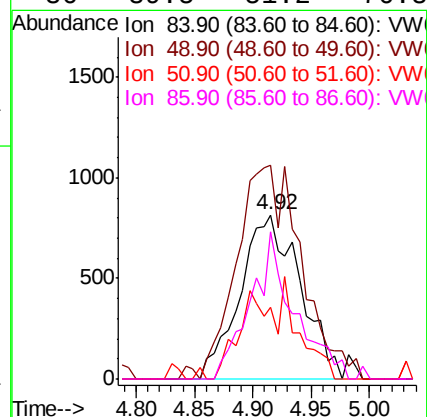
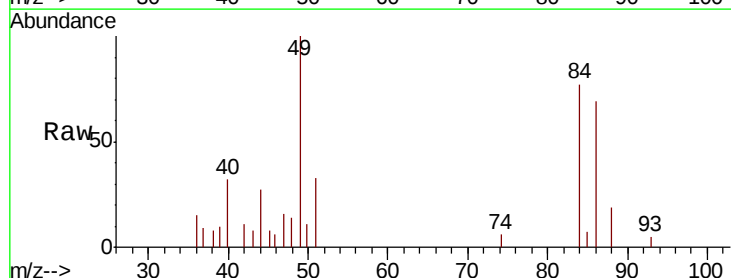
Ion Ratio Lower Upper

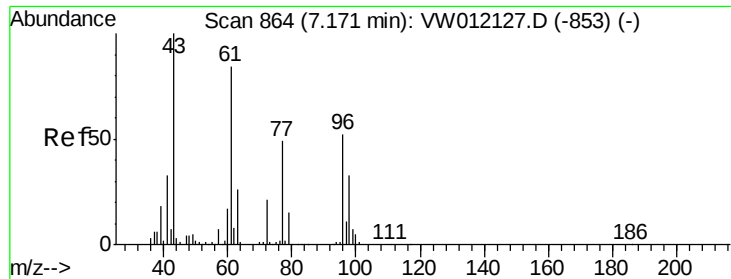
84 100

49 123.4 117.8 176.8

51 43.5 35.6 53.4

86 89.5 51.2 76.8#





#25

2-Butanone

Concen: 3.027 ug/l

RT: 7.19 min Scan# 867

Delta R.T. 0.02 min

Lab File: VW012600.D

Acq: 04 Sep 2019 17:32

Instrument :

BNA_G

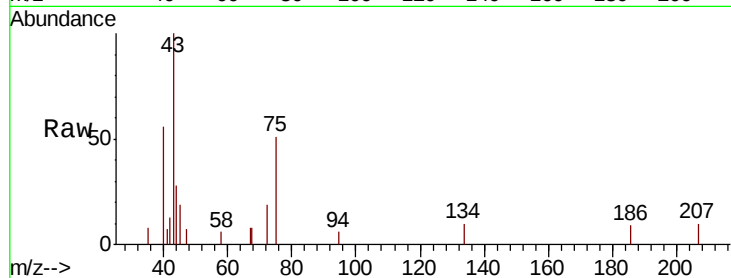
ClientSampled :

Tot Ion: 43 Resp: 2935

Ion Ratio Lower Upper

43 100

72 20.1 16.6 24.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW

7.19

800

600

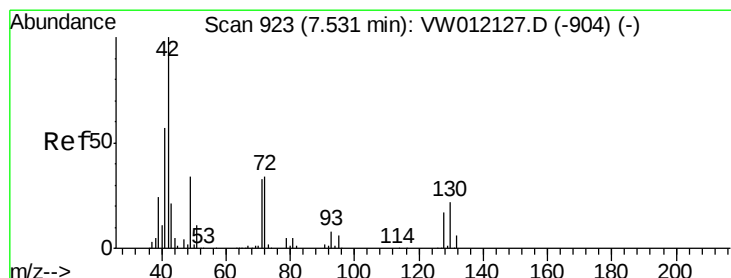
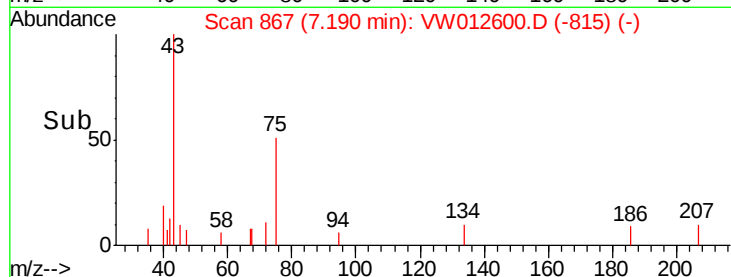
400

200

0

7.10 7.20 7.30

Time-->



#29

Tetrahydrofuran

Concen: 12.123 ug/l

RT: 7.54 min Scan# 925

Delta R.T. 0.01 min

Lab File: VW012600.D

Acq: 04 Sep 2019 17:32

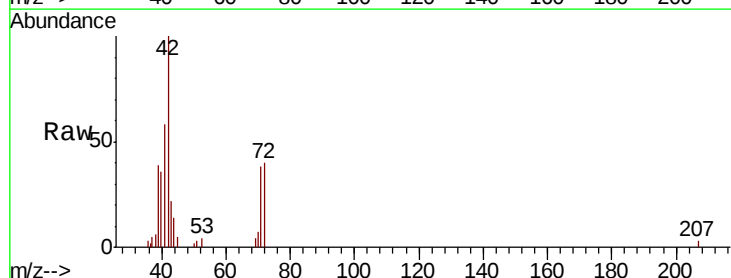
Tgt Ion: 42 Resp: 7053

Ion Ratio Lower Upper

42 100

72 35.8 27.3 40.9

71 33.1 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

7.54

3000

2500

2000

1500

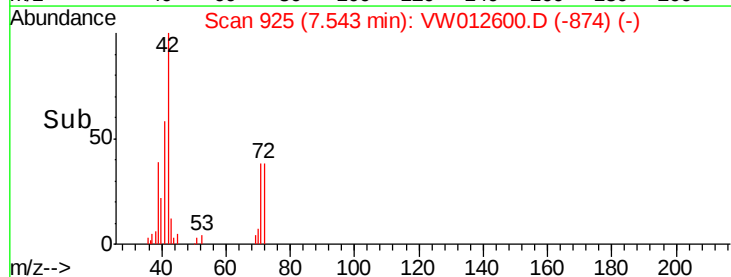
1000

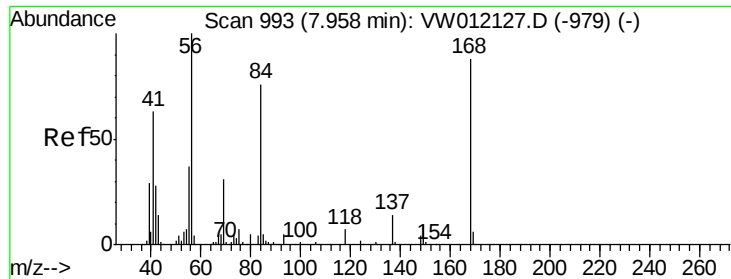
500

0

7.50 7.60

Time-->

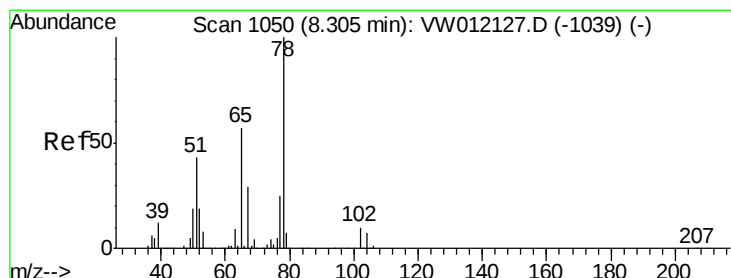
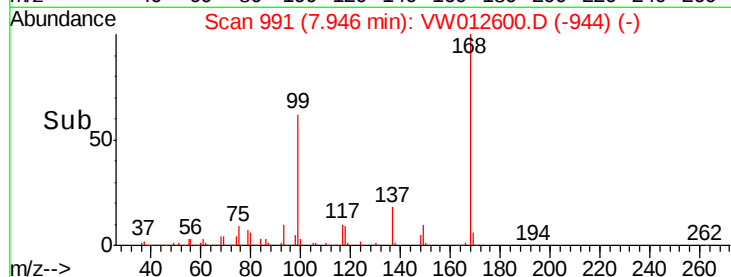
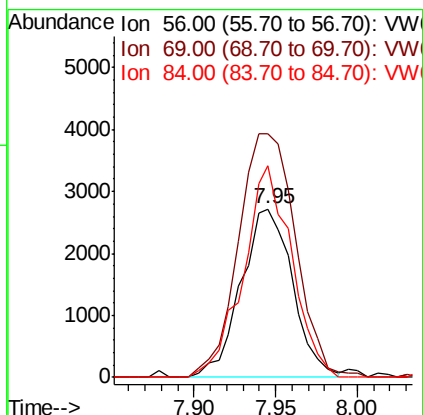
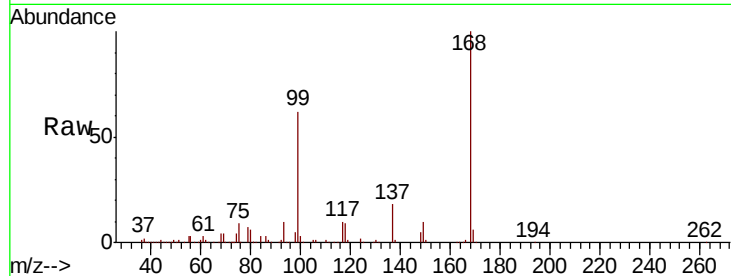




#31
Cyclohexane
Concen: 1.188 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW012600.D
Acq: 04 Sep 2019 17:32

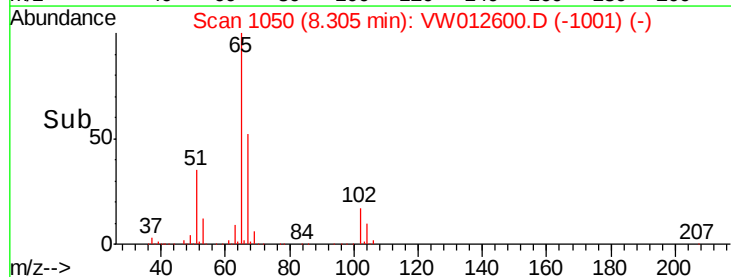
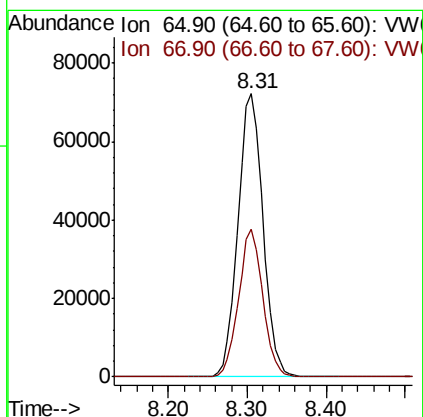
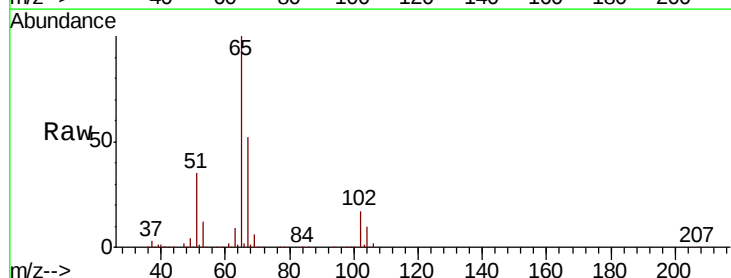
Instrument :
BNA_G
ClientSampled :

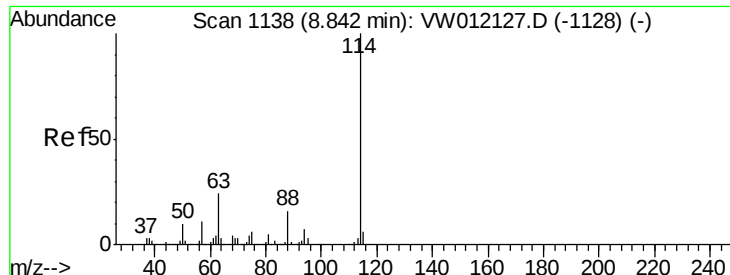
Tot Ion: 56 Resp: 5972
Ion Ratio Lower Upper
56 100
69 147.5 24.9 37.3#
84 125.5 60.6 90.8#



#33
1,2-Dichloroethane-d4
Concen: 57.133 ug/l
RT: 8.31 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VW012600.D
Acq: 04 Sep 2019 17:32

Tgt Ion: 65 Resp: 159493
Ion Ratio Lower Upper
65 100
67 50.4 0.0 102.6

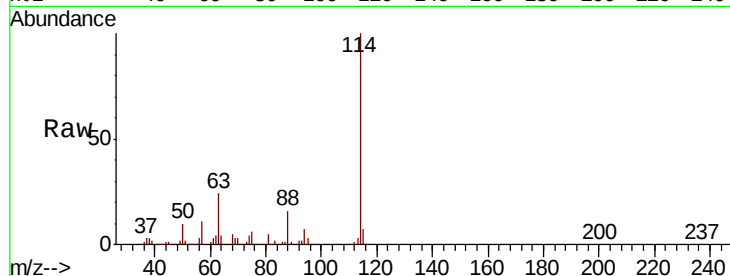




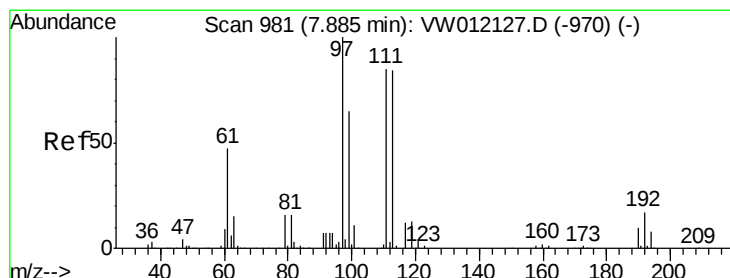
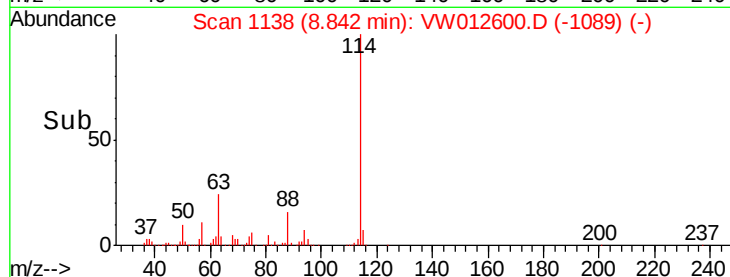
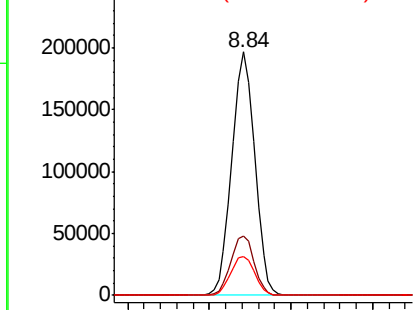
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW012600.D
 Acq: 04 Sep 2019 17:32

Instrument :
 BNA_G
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
114	100		
63	24.3	0.0	48.6
88	16.0	0.0	32.2

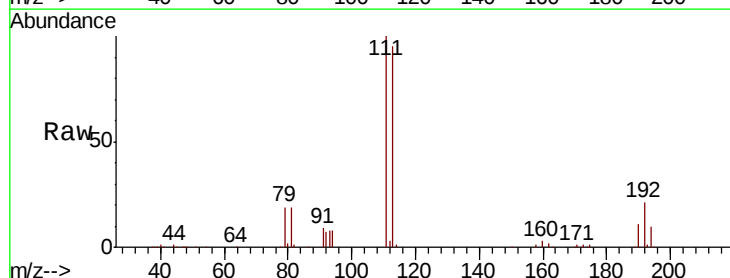


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

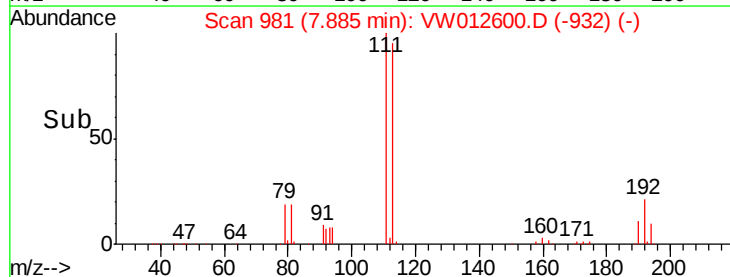
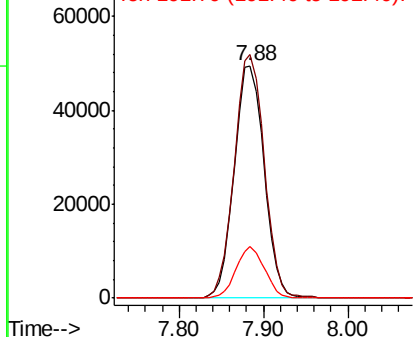


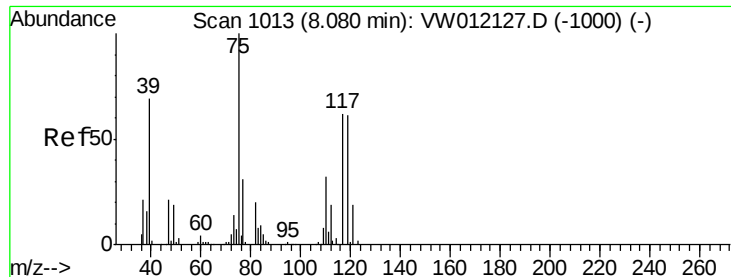
#35
 Dibromofluoromethane
 Concen: 52.278 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW012600.D
 Acq: 04 Sep 2019 17:32

Tgt Ion	Ratio	Lower	Upper
113	100		
111	104.7	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

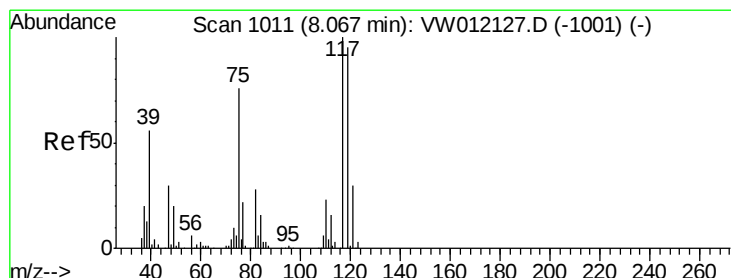
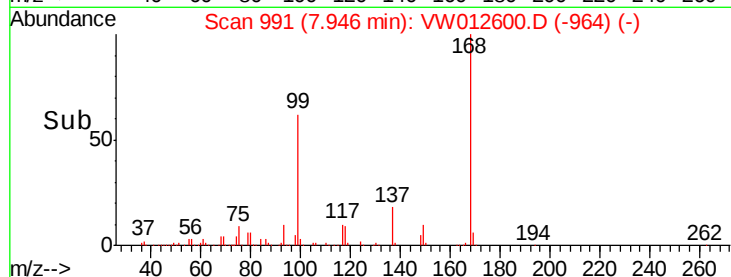
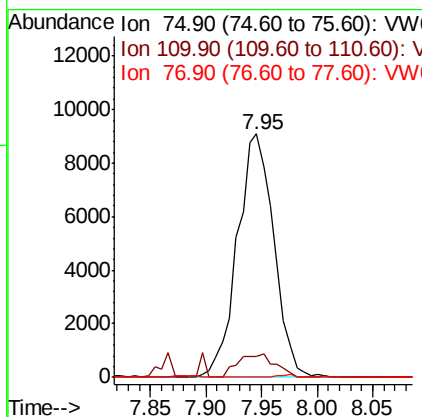
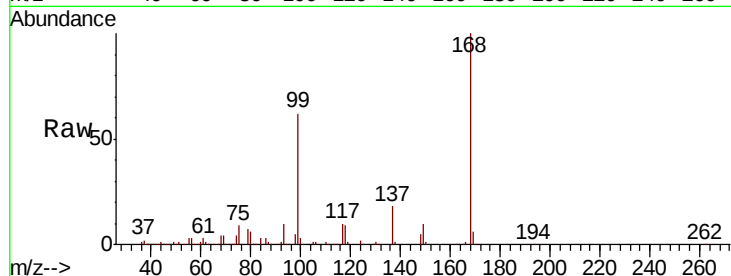




#36
 1,1-Dichloropropene
 Concen: 5.255 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW012600.D
 Acq: 04 Sep 2019 17:32

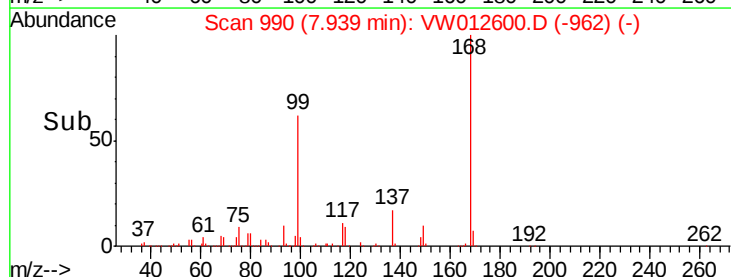
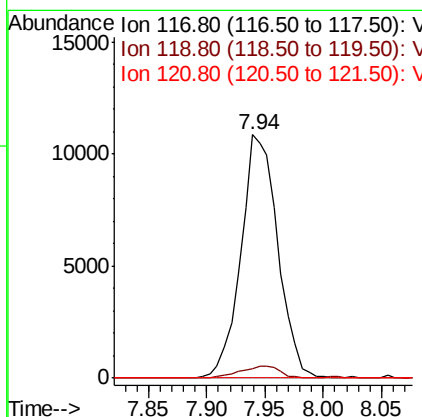
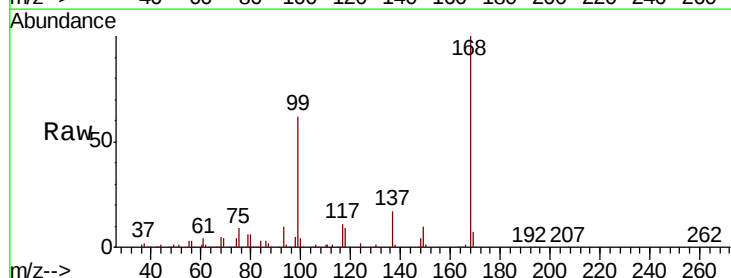
Instrument :
 BNA_G
 ClientSampleId :

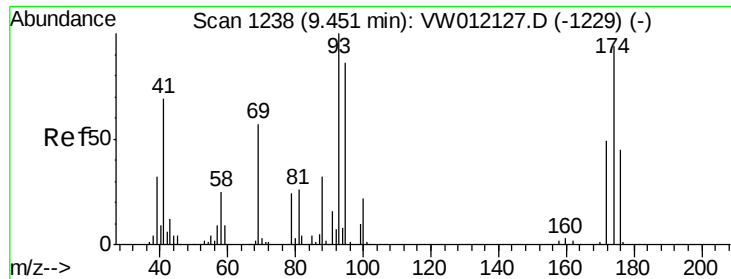
Tot Ion	Ratio	Lower	Upper
75	100		
110	9.8	15.6	46.8#
77	0.0	24.6	36.8#



#38
 Carbon Tetrachloride
 Concen: 7.043 ug/l
 RT: 7.94 min Scan# 990
 Delta R.T. -0.13 min
 Lab File: VW012600.D
 Acq: 04 Sep 2019 17:32

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.0	76.2	114.2#
121	0.0	23.8	35.8#





#49

1,4-Dioxane

Concen: 1.827 ug/l

RT: 9.56 min Scan# 1256

Delta R.T. 0.11 min

Lab File: VW012600.D

Acq: 04 Sep 2019 17:32

Instrument :

BNA_G

ClientSampleId :

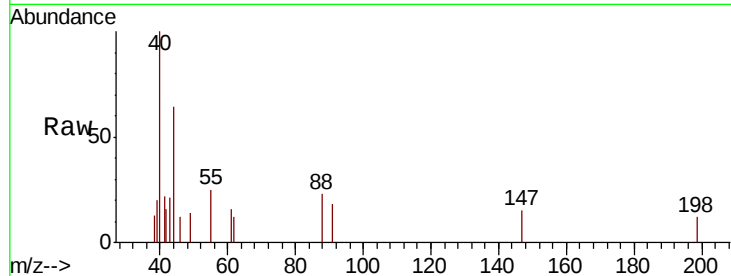
Tot Ion: 88 Resp: 36

Ion Ratio Lower Upper

88 100

43 244.4 32.9 49.3#

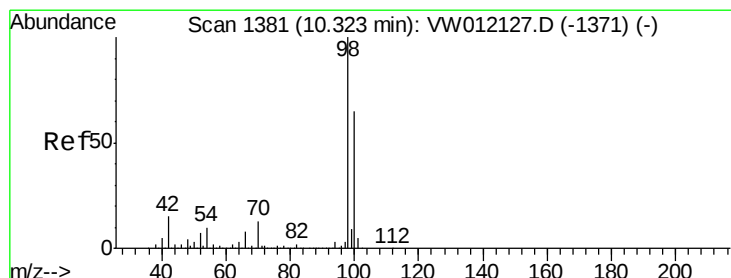
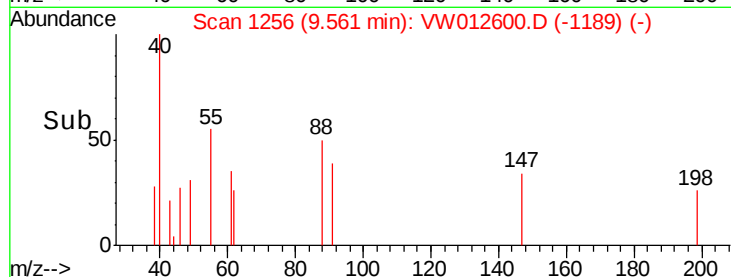
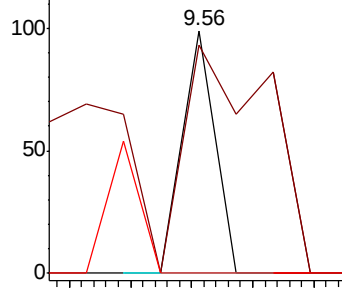
58 0.0 71.0 106.4#



Abundance Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#50

Toluene-d8

Concen: 50.690 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW012600.D

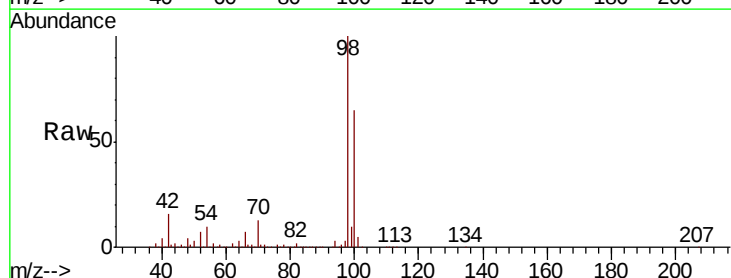
Acq: 04 Sep 2019 17:32

Tgt Ion: 98 Resp: 467299

Ion Ratio Lower Upper

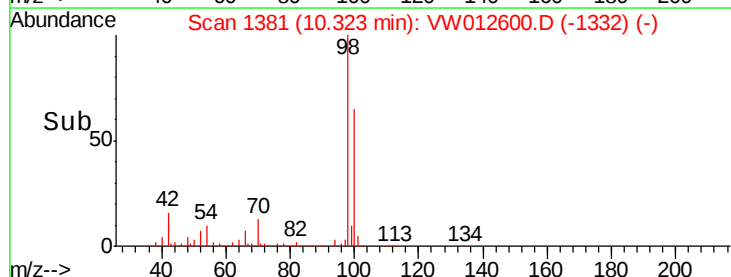
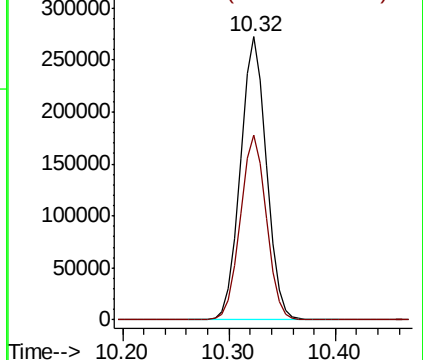
98 100

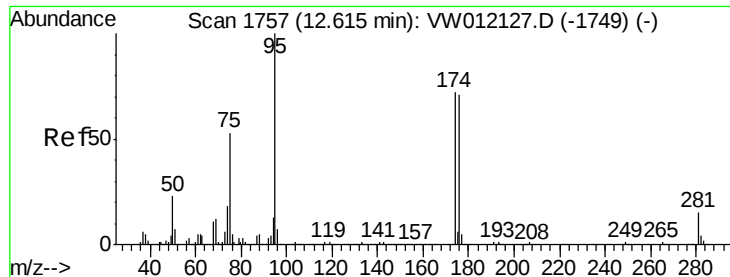
100 65.4 52.4 78.6



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#62

4-Bromofluorobenzene

Concen: 47.549 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VW012600.D

Acq: 04 Sep 2019 17:32

Instrument :

BNA_G

ClientSampleId :

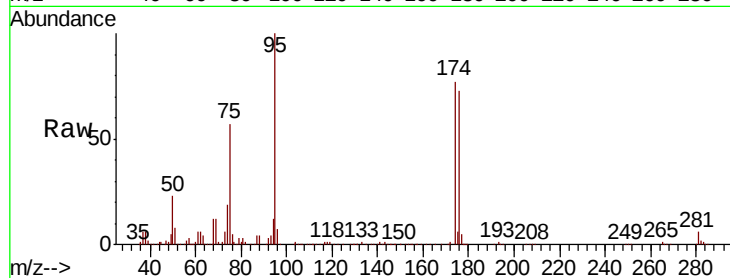
Tot Ion: 95 Resp: 154517

Ion Ratio Lower Upper

95 100

174 79.4 0.0 150.8

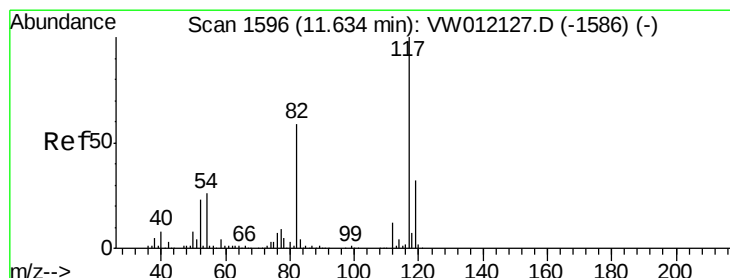
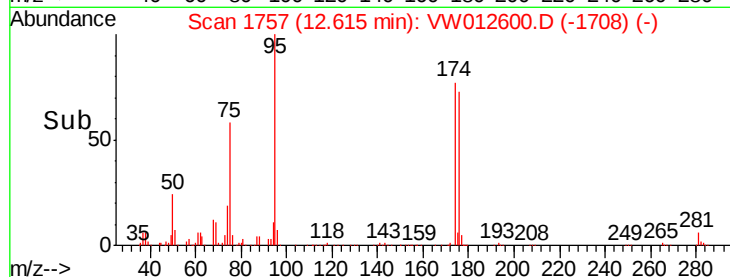
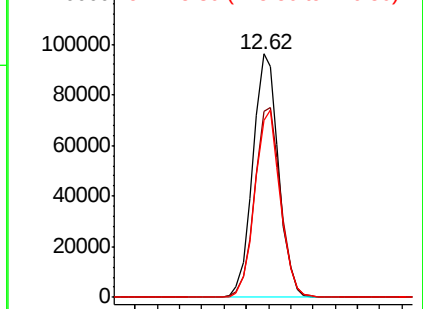
176 76.3 0.0 148.6



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: VW012600.D

Acq: 04 Sep 2019 17:32

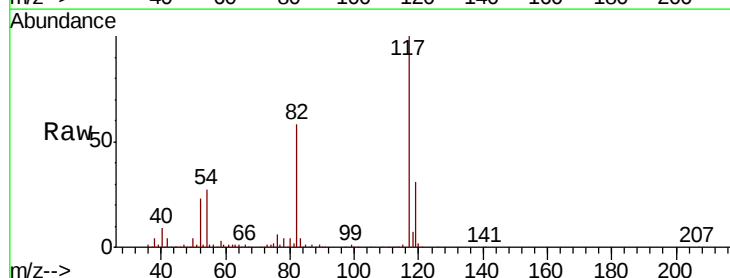
Tgt Ion: 117 Resp: 325757

Ion Ratio Lower Upper

117 100

82 58.2 47.4 71.2

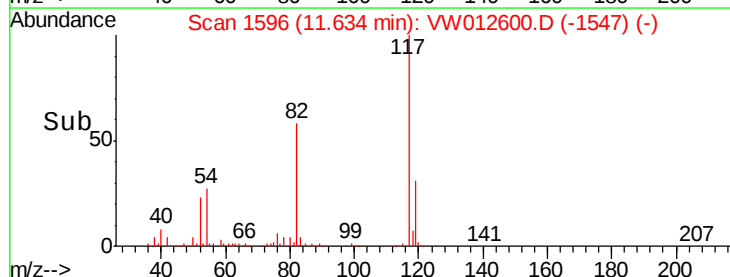
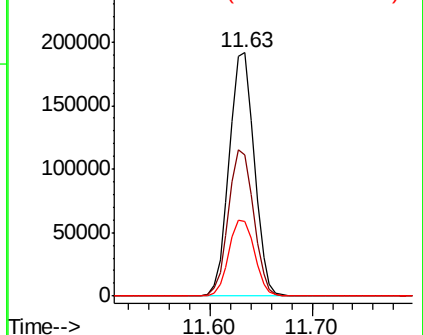
119 30.8 25.4 38.2

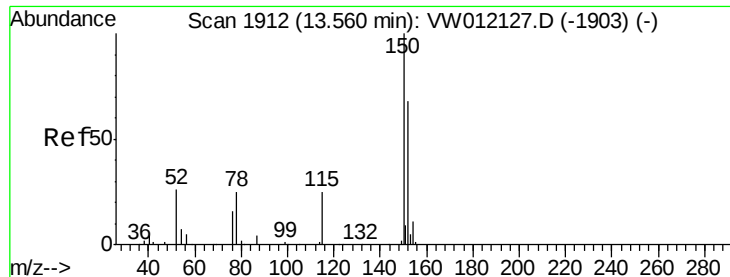


Abundance Ion 116.90 (116.60 to 117.60): VW

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW



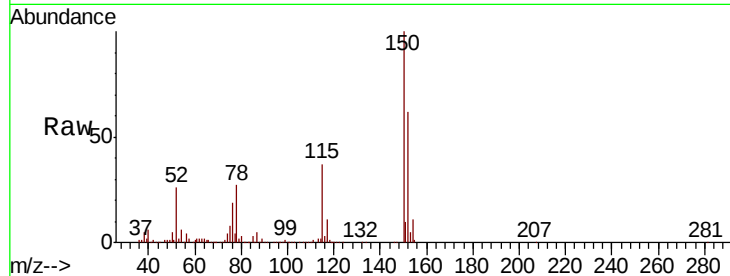


#72

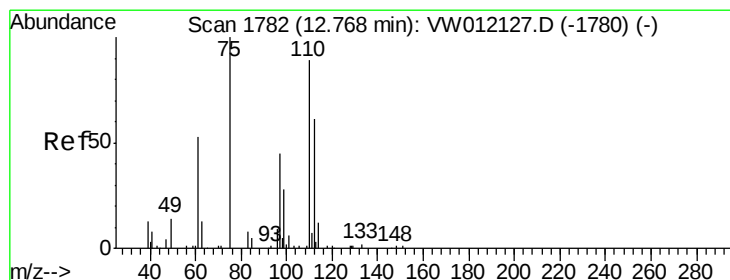
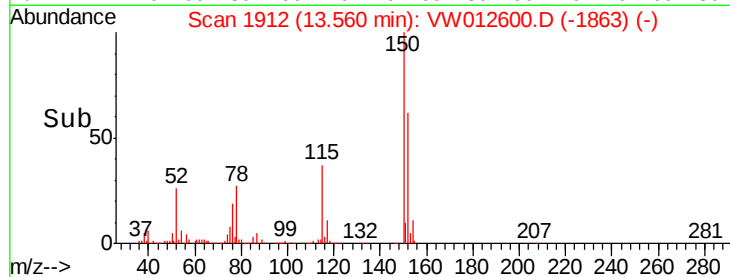
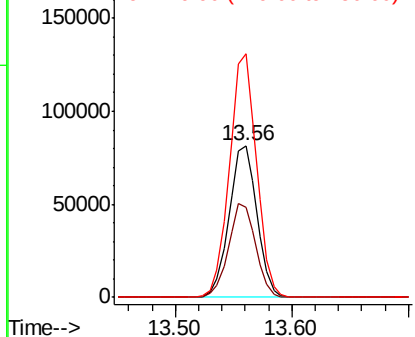
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW012600.D
Acq: 04 Sep 2019 17:32

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
115	60.9	30.1	90.3
150	156.7	0.0	345.8



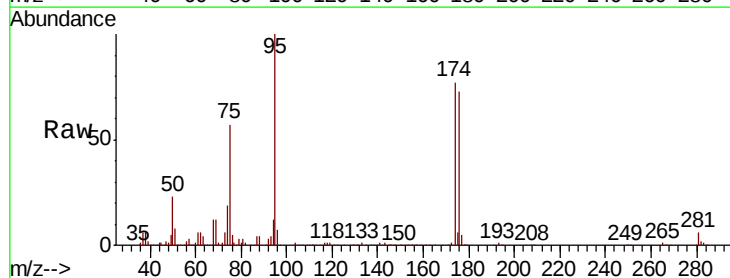
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



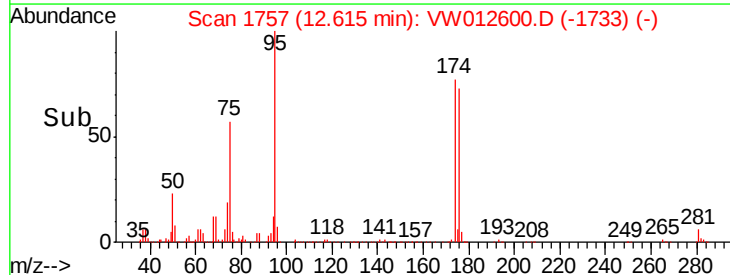
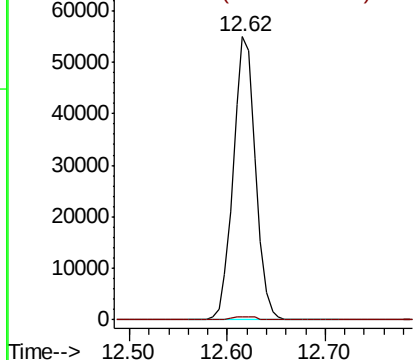
#76

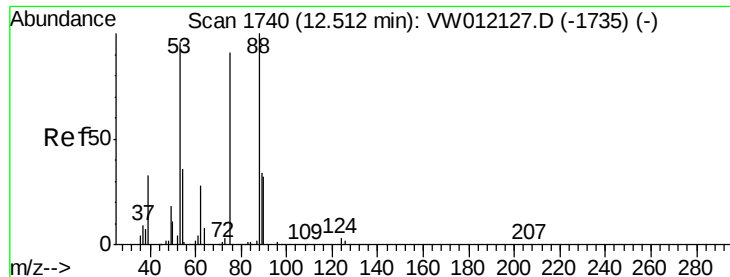
1,2,3-Trichloropropane
Concen: 65.816 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.15 min
Lab File: VW012600.D
Acq: 04 Sep 2019 17:32

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.6	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: 144.304 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW012600.D

Acq: 04 Sep 2019 17:32

Instrument :

BNA_G

ClientSampleId :

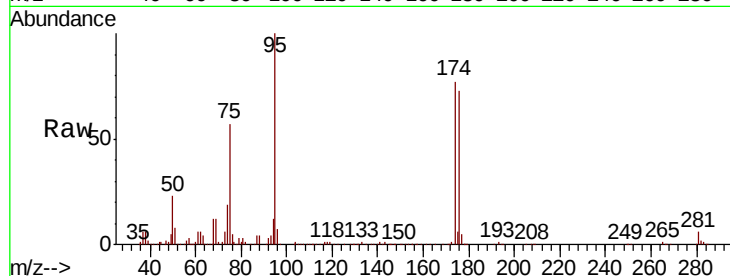
Tot Ion: 75 Resp: 86550

Ion Ratio Lower Upper

75 100

53 0.1 89.4 134.0#

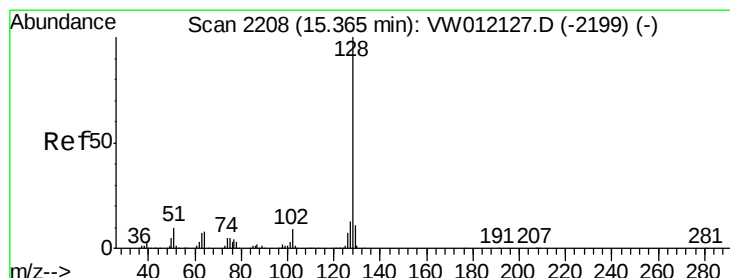
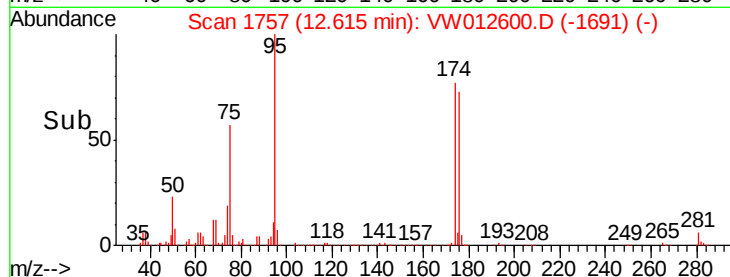
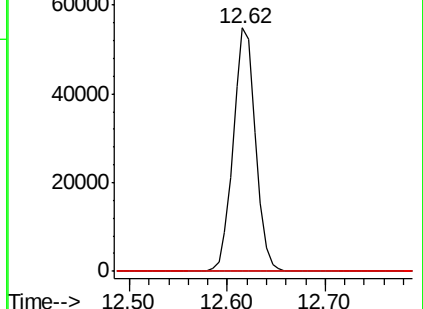
89 0.0 34.5 51.7#



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: 4.347 ug/l

RT: 15.38 min Scan# 2210

Delta R.T. 0.01 min

Lab File: VW012600.D

Acq: 04 Sep 2019 17:32

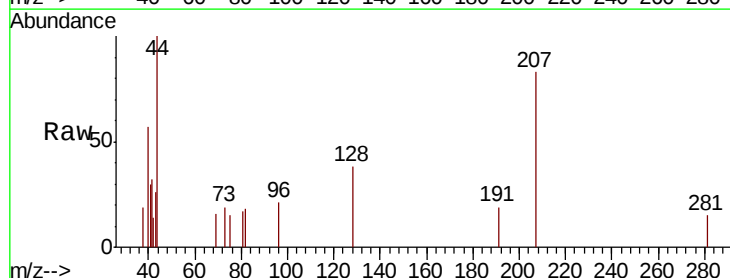
Tgt Ion: 128 Resp: 142

Ion Ratio Lower Upper

128 100

127 0.0 10.7 16.1#

129 0.0 8.7 13.1#



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

