

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW081019\
 Data File : VW011792.D
 Acq On : 09 Aug 2019 02:22
 Operator : SY/VA
 Sample : K4228-11
 Misc : 5.61G/5ML/MSVOA_W/SOIL
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 1S-N-(1)

Quant Time: Aug 09 05:39:17 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	242386	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	400944	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	323045	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	120891	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	154984	55.68	ug/l	0.00
Spiked Amount 50.000			Recovery	=	111.36%	
35) Dibromofluoromethane	7.88	113	122693	54.55	ug/l	0.00
Spiked Amount 50.000			Recovery	=	109.10%	
50) Toluene-d8	10.32	98	488727	53.07	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.14%	
62) 4-Bromofluorobenzene	12.62	95	147353	44.88	ug/l	0.00
Spiked Amount 50.000			Recovery	=	89.76%	

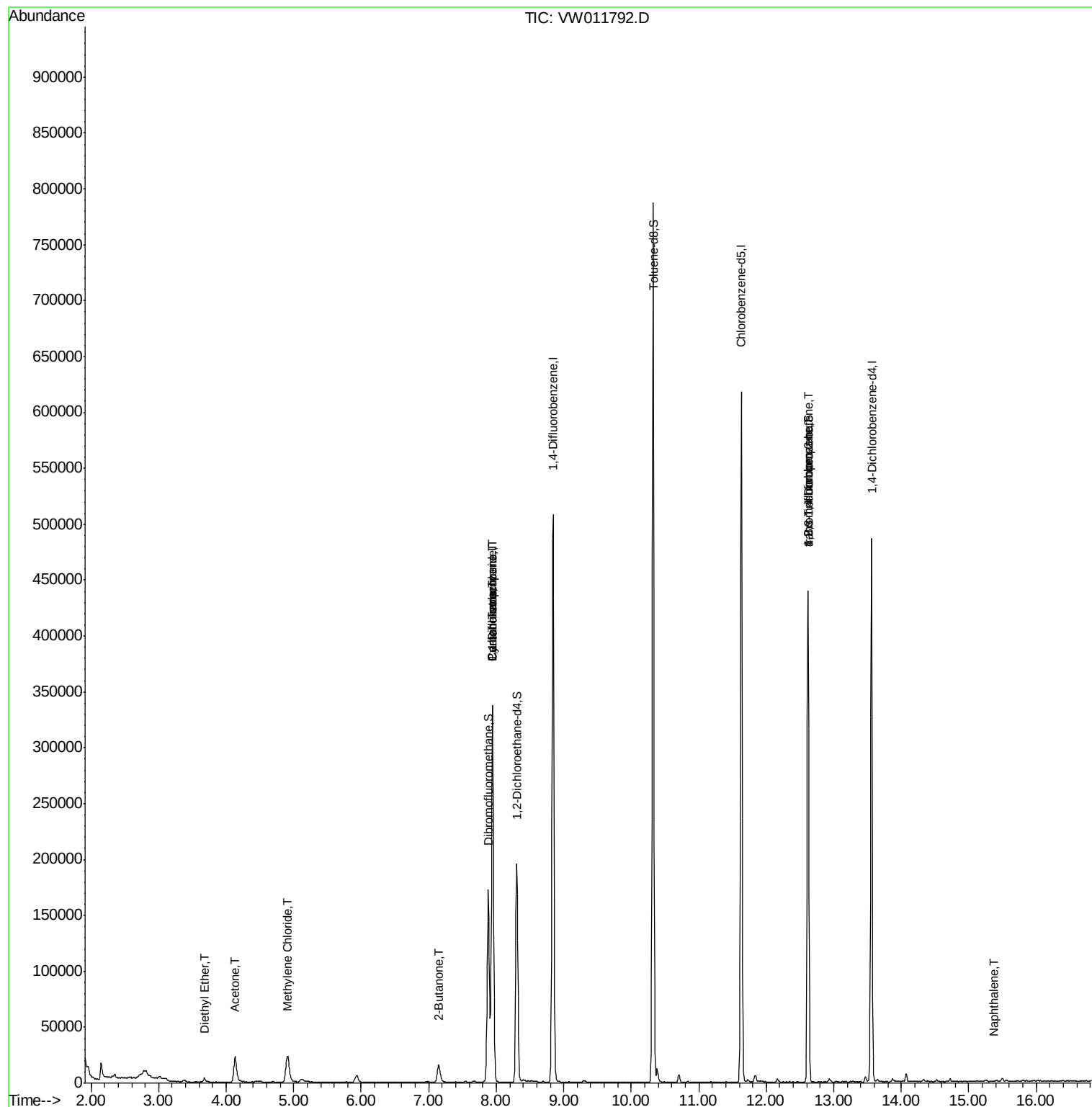
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.68	74	1460	1.022	ug/l	56
11) Tert butyl alcohol	5.21	59	792	Below Cal	#	92
16) Acetone	4.14	43	43790	49.461	ug/l	97
20) Methylene Chloride	4.92	84	17754	5.815	ug/l	91
25) 2-Butanone	7.15	43	1386	1.196	ug/l #	56
31) Cyclohexane	7.95	56	6139	1.180	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	21333	5.117	ug/l #	52
38) Carbon Tetrachloride	7.95	117	24385	6.832	ug/l #	17
76) 1,2,3-Trichloropropane	12.62	75	79178	61.898	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	79178	142.654	ug/l #	6
95) Naphthalene	15.36	128	136	2.093	ug/l #	77

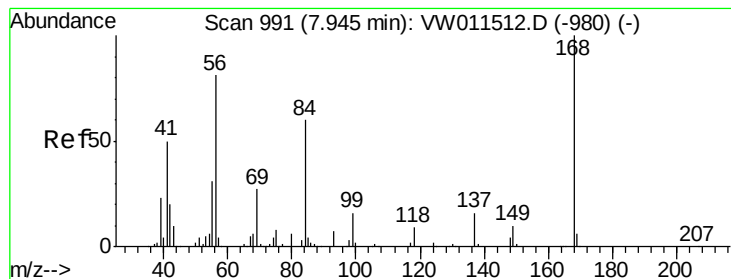
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW081019\
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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: VW011792.D

Acq: 09 Aug 2019 02:22

Instrument :

MSVOA_W

ClientSampled :

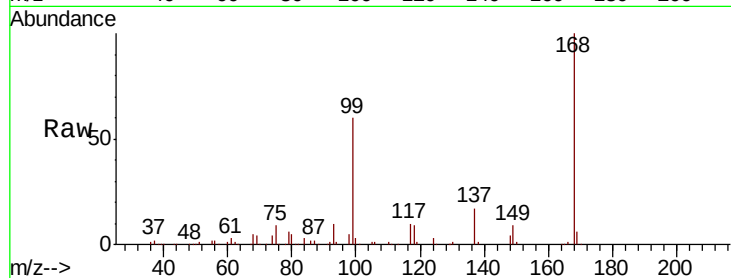
1S-N(1)

Tgt Ion:168 Resp: 242386

Ion Ratio Lower Upper

168 100

99 59.7 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

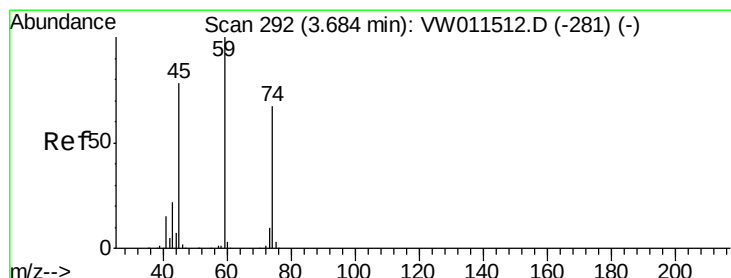
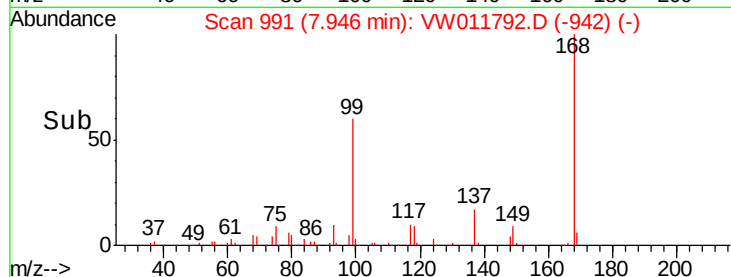
60000

40000

20000

0

Time--> 7.80 7.90 8.00 8.10



#8

Diethyl Ether

Concen: 1.022 ug/l

RT: 3.68 min Scan# 291

Delta R.T. -0.01 min

Lab File: VW011792.D

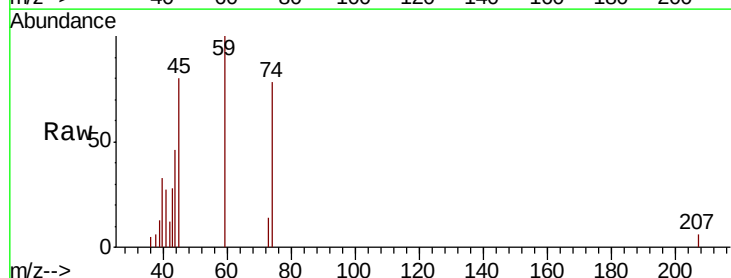
Acq: 09 Aug 2019 02:22

Tgt Ion: 74 Resp: 1460

Ion Ratio Lower Upper

74 100

45 167.5 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

1000

800

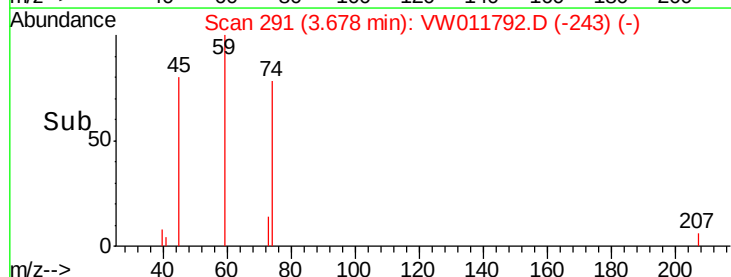
600

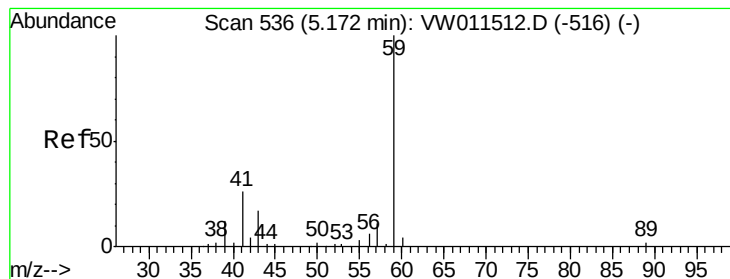
400

200

0

Time--> 3.60 3.65 3.70 3.75



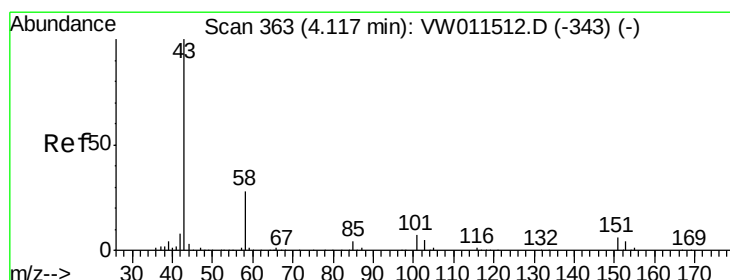
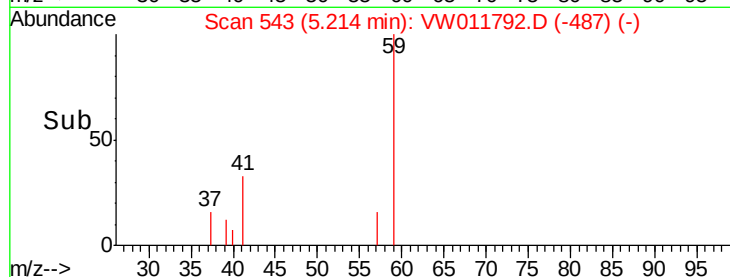
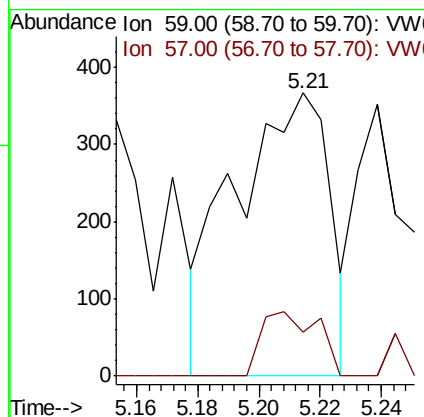
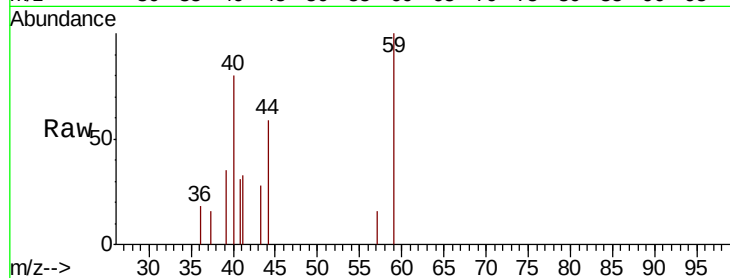


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 5.21 min Scan# 543
 Delta R.T. 0.04 min
 Lab File: VW011792.D
 Acq: 09 Aug 2019 02:22

Instrument :
 MSVOA_W
 ClientSampled :
 1S-N(1)

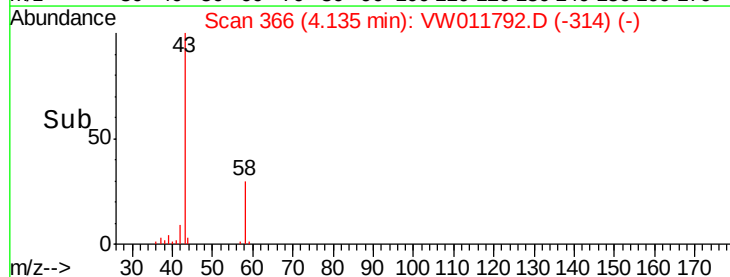
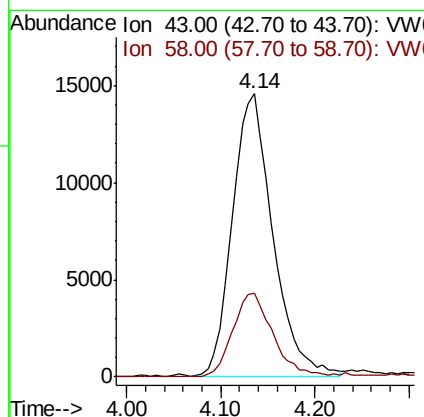
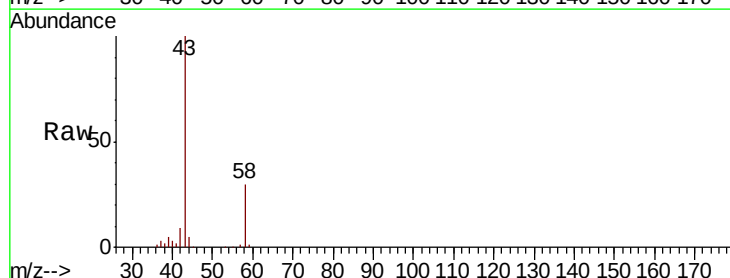
Tgt Ion: 59 Resp: 792
 Ion Ratio Lower Upper
 59 100
 57 13.5 8.5 12.7#

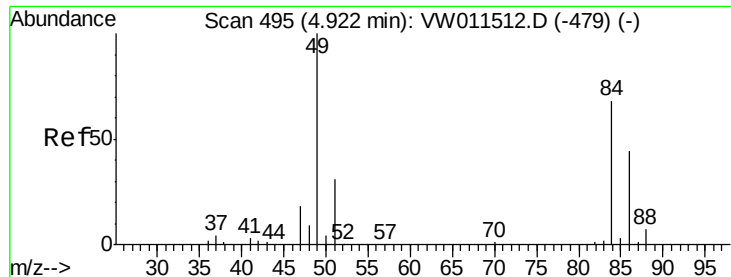


#16

Acetone
 Concen: 49.461 ug/l
 RT: 4.14 min Scan# 366
 Delta R.T. 0.02 min
 Lab File: VW011792.D
 Acq: 09 Aug 2019 02:22

Tgt Ion: 43 Resp: 43790
 Ion Ratio Lower Upper
 43 100
 58 29.6 22.3 33.5





#20

Methylene Chloride

Concen: 5.815 ug/l

RT: 4.92 min Scan# 494

Delta R.T. -0.01 min

Lab File: VW011792.D

Acq: 09 Aug 2019 02:22

Instrument :

MSVOA_W

ClientSampleId :

1S-N(1)

Tgt Ion: 84 Resp: 17754

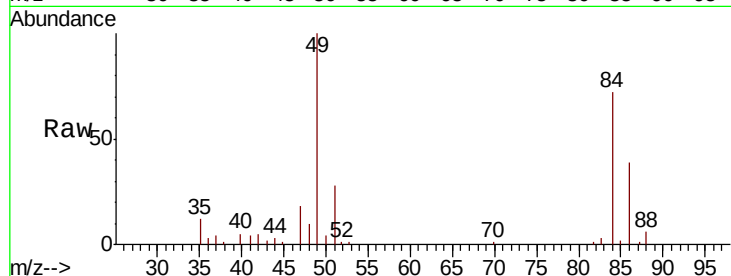
Ion Ratio Lower Upper

84 100

49 138.6 117.8 176.6

51 38.2 37.0 55.4

86 54.6 51.8 77.8

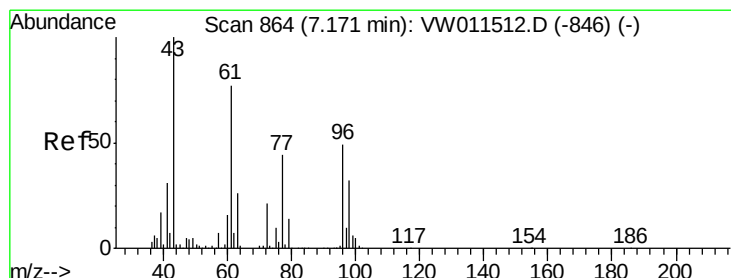
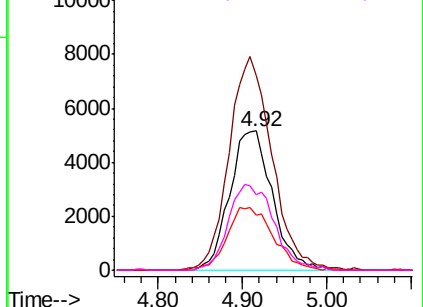
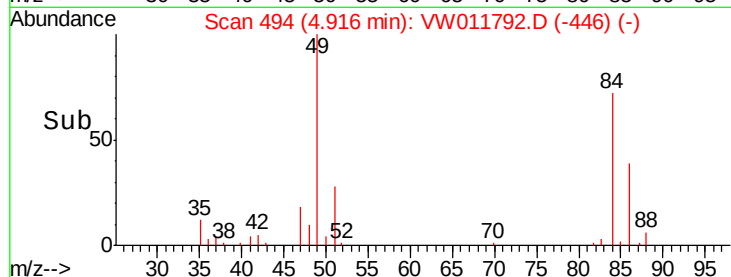


Abundance Ion 83.90 (83.60 to 84.60): VW

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



#25

2-Butanone

Concen: 1.196 ug/l

RT: 7.15 min Scan# 861

Delta R.T. -0.02 min

Lab File: VW011792.D

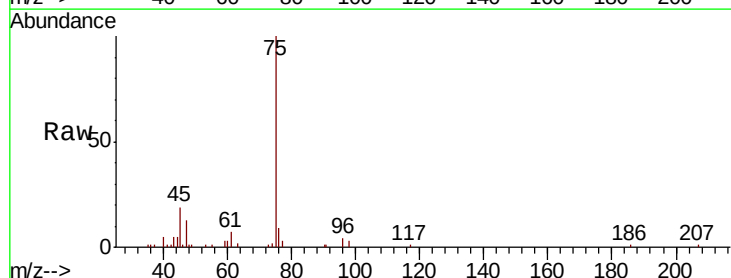
Acq: 09 Aug 2019 02:22

Tgt Ion: 43 Resp: 1386

Ion Ratio Lower Upper

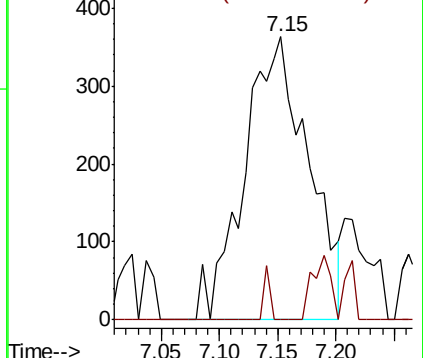
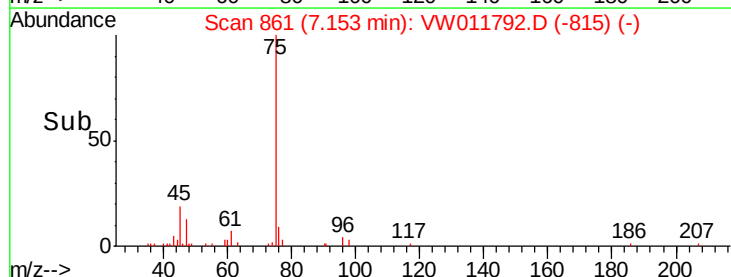
43 100

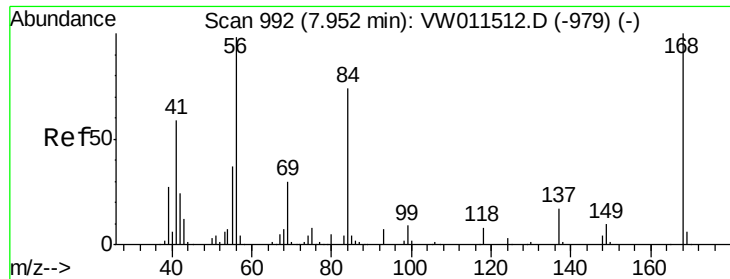
72 0.0 16.6 24.8#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW

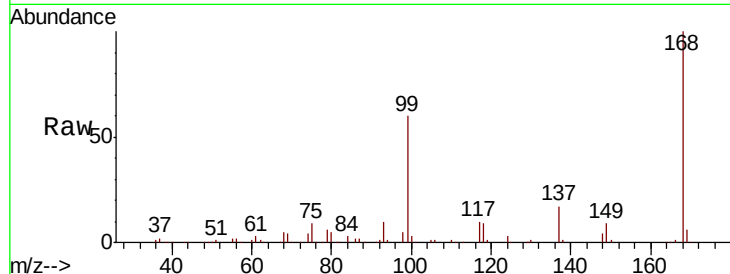




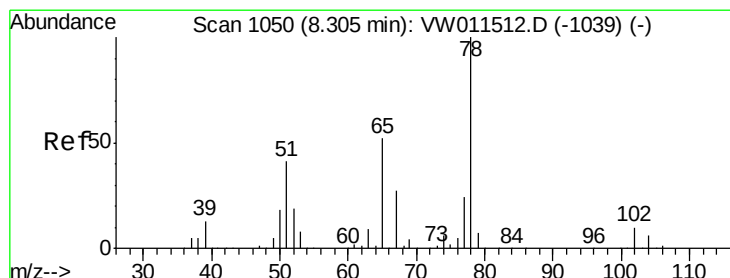
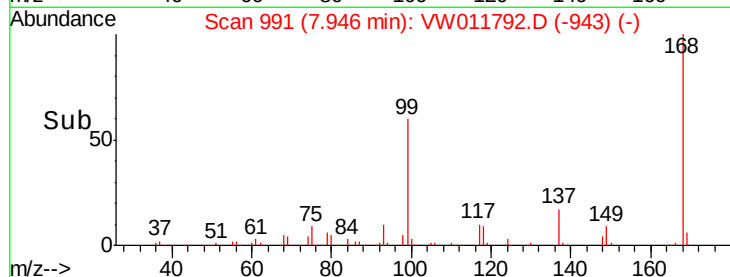
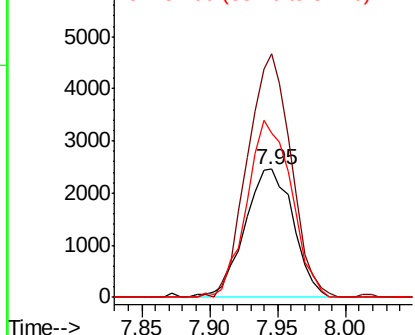
#31
Cyclohexane
Concen: 1.180 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW011792.D
Acq: 09 Aug 2019 02:22

Instrument :
MSVOA_W
ClientSampleId :
1S-N(1)

Tgt Ion: 56 Resp: 6139
Ion Ratio Lower Upper
56 100
69 190.1 24.3 36.5#
84 127.9 60.4 90.6#

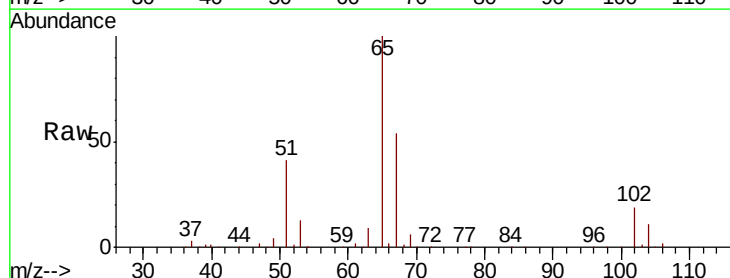


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

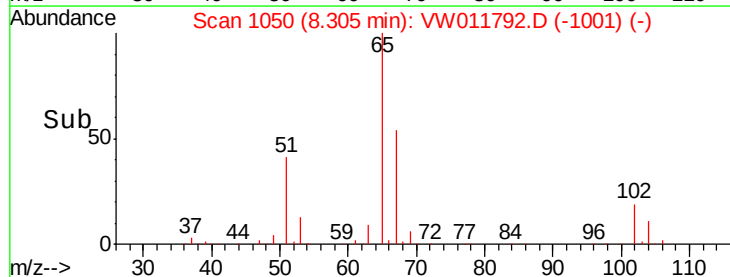
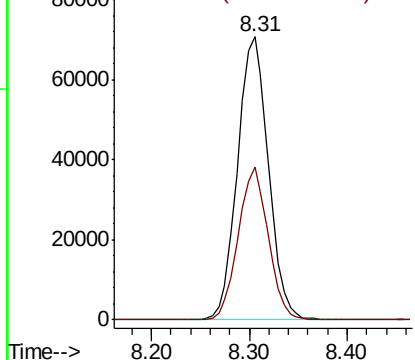


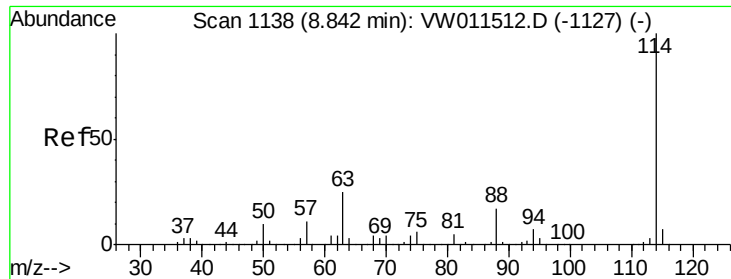
#33
1,2-Dichloroethane-d4
Concen: 55.684 ug/l
RT: 8.31 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VW011792.D
Acq: 09 Aug 2019 02:22

Tgt Ion: 65 Resp: 154984
Ion Ratio Lower Upper
65 100
67 52.5 0.0 105.2



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

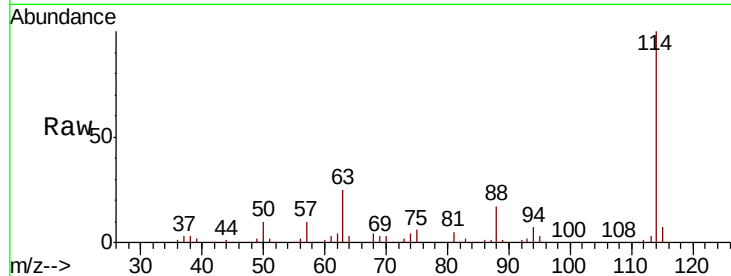




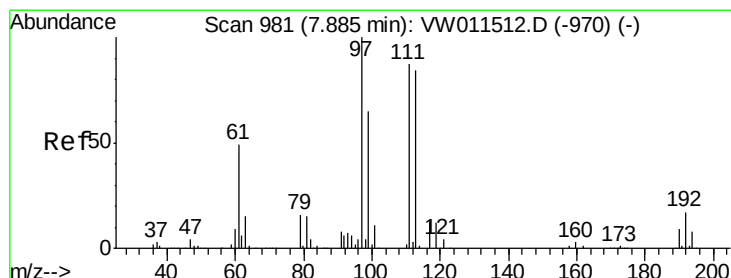
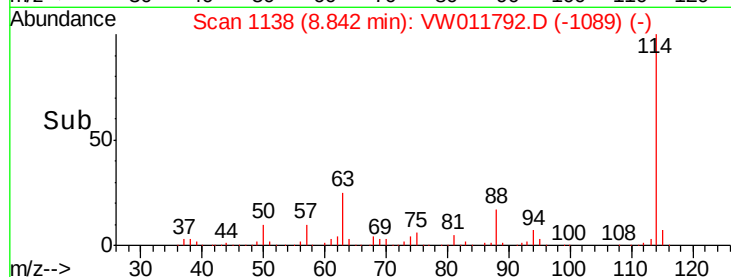
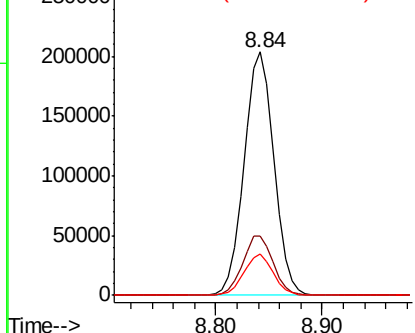
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.84 min Scan# 1138
Delta R.T. 0.00 min
Lab File: VW011792.D
Acq: 09 Aug 2019 02:22

Instrument :
MSVOA_W
ClientSampled :
1S-N(1)

Tgt Ion:114 Resp: 400944
Ion Ratio Lower Upper
114 100
63 24.6 0.0 49.2
88 16.9 0.0 33.8

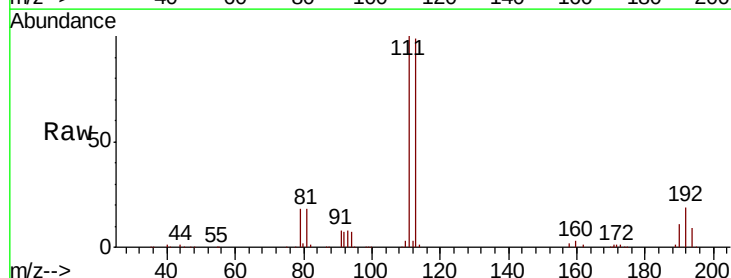


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VW
Ion 87.90 (87.60 to 88.60): VW

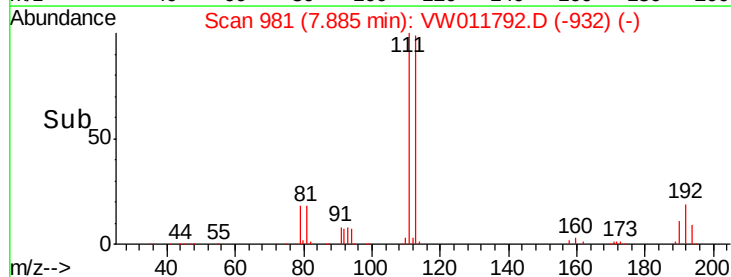
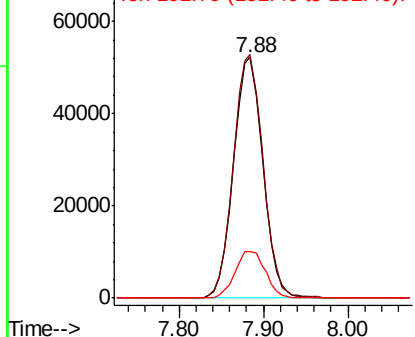


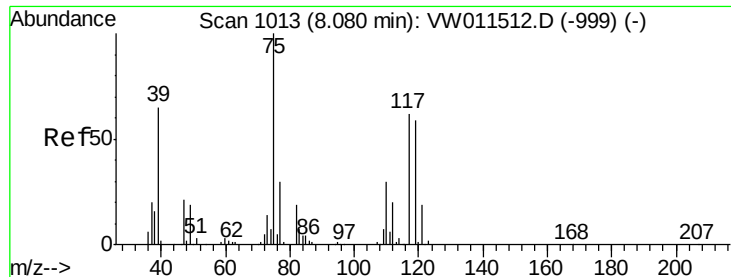
#35
Dibromofluoromethane
Concen: 54.546 ug/l
RT: 7.88 min Scan# 981
Delta R.T. 0.00 min
Lab File: VW011792.D
Acq: 09 Aug 2019 02:22

Tgt Ion:113 Resp: 122693
Ion Ratio Lower Upper
113 100
111 102.4 82.7 124.1
192 20.2 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

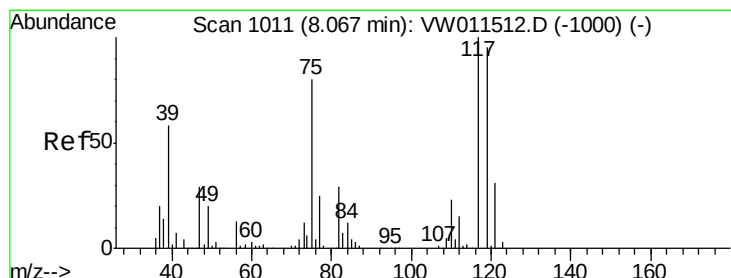
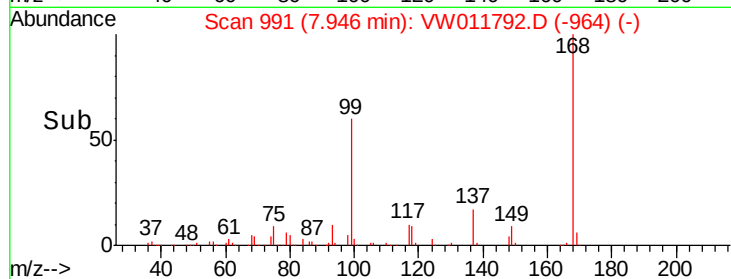
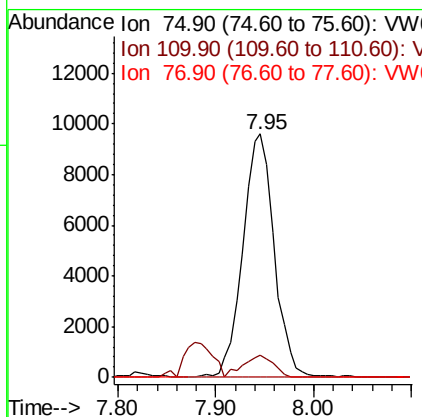
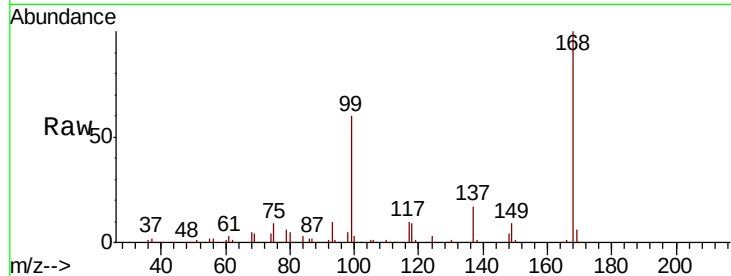




#36
 1,1-Dichloropropene
 Concen: 5.117 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW011792.D
 Acq: 09 Aug 2019 02:22

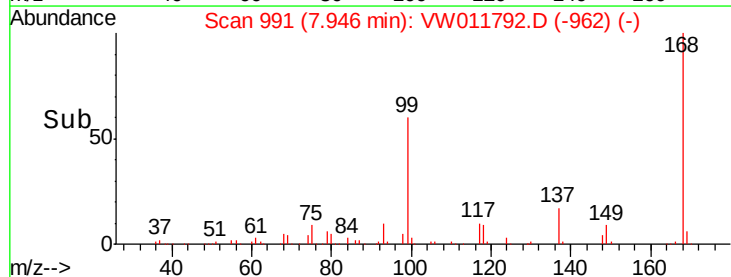
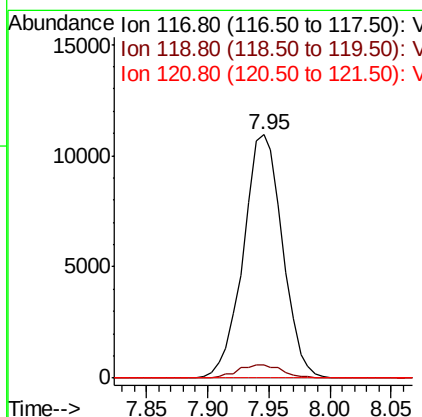
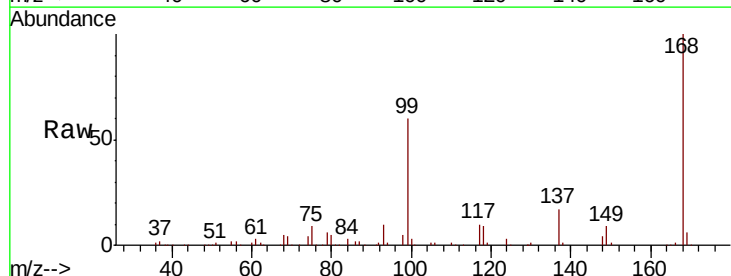
Instrument :
 MSVOA_W
 ClientSampled :
 1S-N(1)

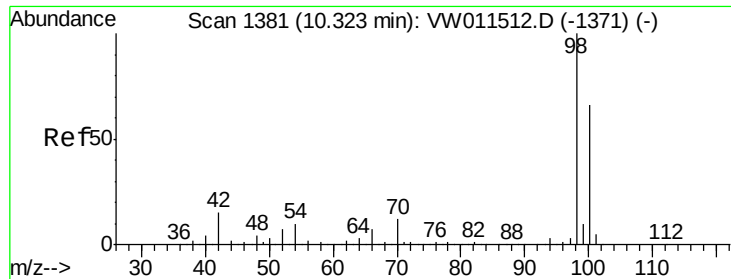
Tgt Ion: 75 Resp: 21333
 Ion Ratio Lower Upper
 75 100
 110 8.9 15.6 46.8#
 77 0.0 24.3 36.5#



#38
 Carbon Tetrachloride
 Concen: 6.832 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW011792.D
 Acq: 09 Aug 2019 02:22

Tgt Ion: 117 Resp: 24385
 Ion Ratio Lower Upper
 117 100
 119 5.3 75.8 113.6#
 121 0.0 24.7 37.1#





#50

Toluene-d8

Concen: 53.067 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW011792.D

Acq: 09 Aug 2019 02:22

Instrument :

MSVOA_W

ClientSampleId :

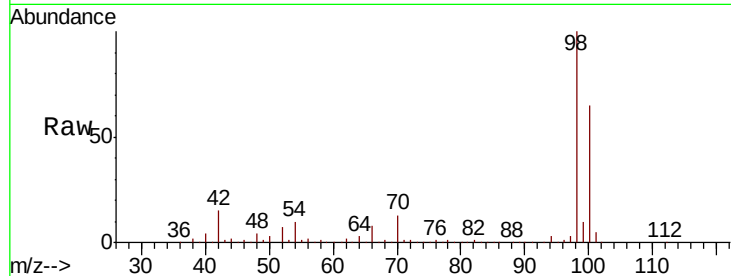
1S-N(1)

Tgt Ion: 98 Resp: 488727

Ion Ratio Lower Upper

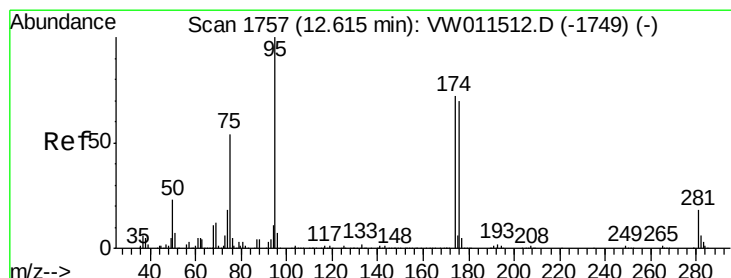
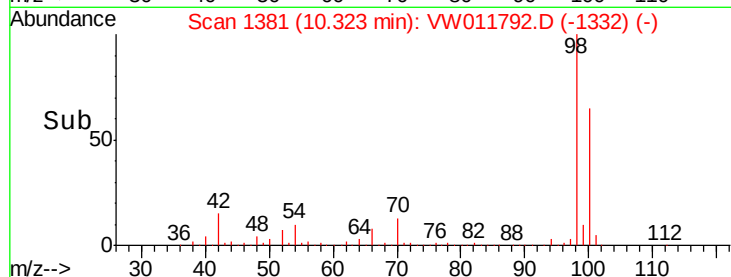
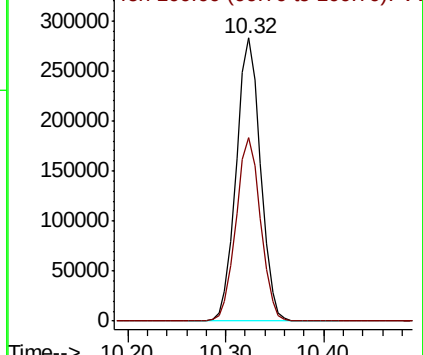
98 100

100 65.3 52.7 79.1



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW



#62

4-Bromofluorobenzene

Concen: 44.878 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VW011792.D

Acq: 09 Aug 2019 02:22

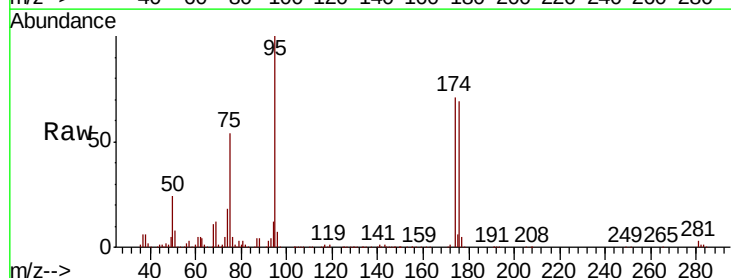
Tgt Ion: 95 Resp: 147353

Ion Ratio Lower Upper

95 100

174 75.7 0.0 150.2

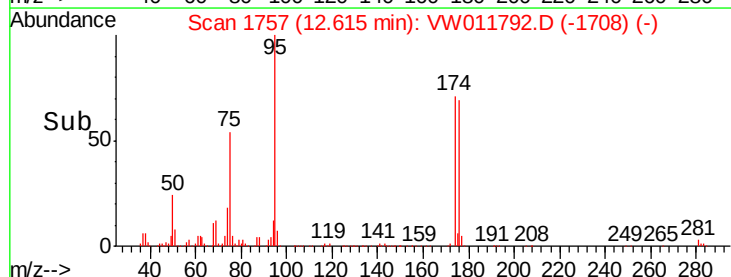
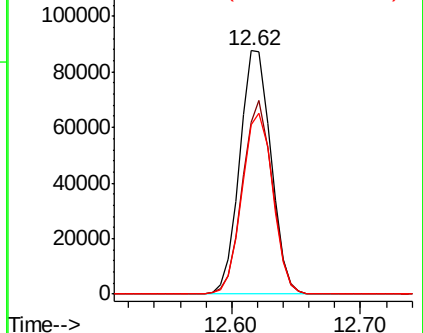
176 73.2 0.0 144.4

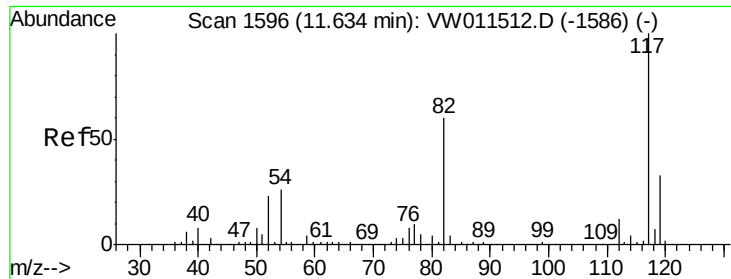


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

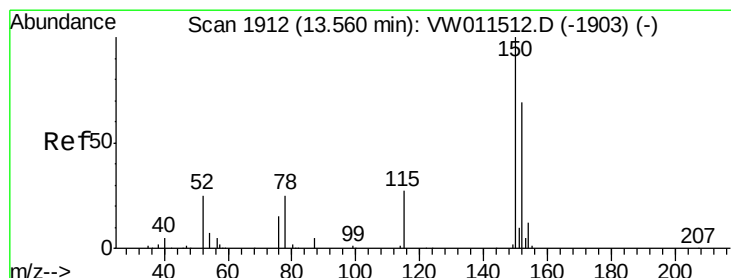
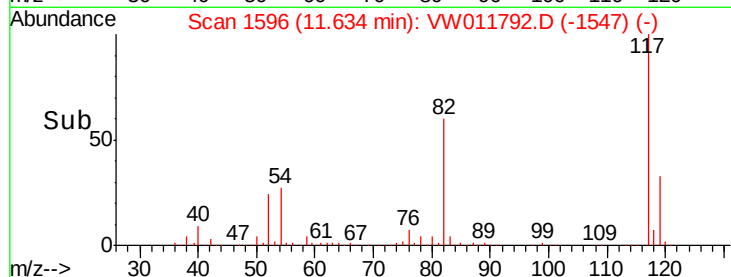
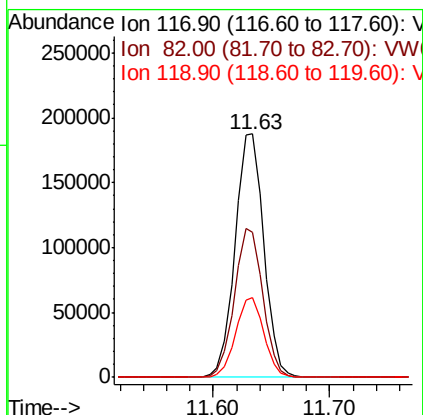
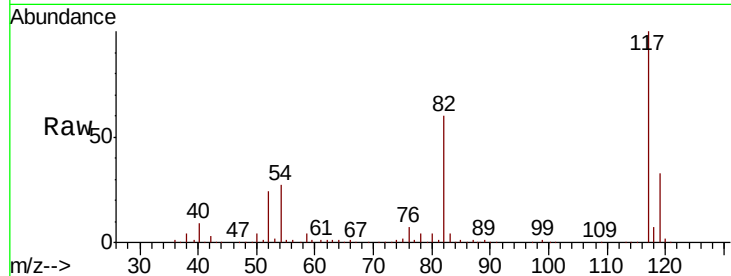




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW011792.D
Acq: 09 Aug 2019 02:22

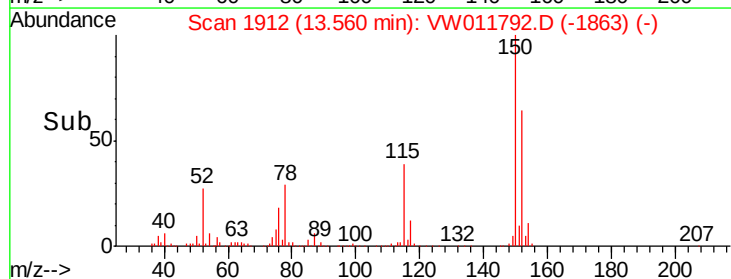
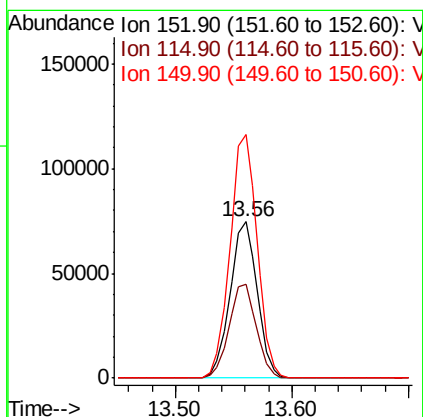
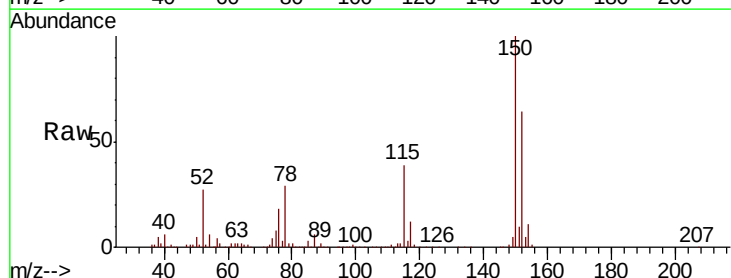
Instrument :
MSVOA_W
ClientSampleId :
1S-N(1)

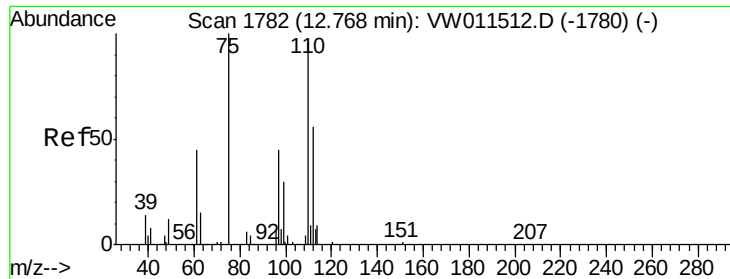
Tgt Ion:117 Resp: 323045
Ion Ratio Lower Upper
117 100
82 59.6 47.9 71.9
119 32.9 26.2 39.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW011792.D
Acq: 09 Aug 2019 02:22

Tgt Ion:152 Resp: 120891
Ion Ratio Lower Upper
152 100
115 60.4 30.5 91.5
150 156.0 0.0 352.6





#76

1,2,3-Trichloropropane

Concen: 61.898 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW011792.D

Acq: 09 Aug 2019 02:22

Instrument :

MSVOA_W

ClientSampled :

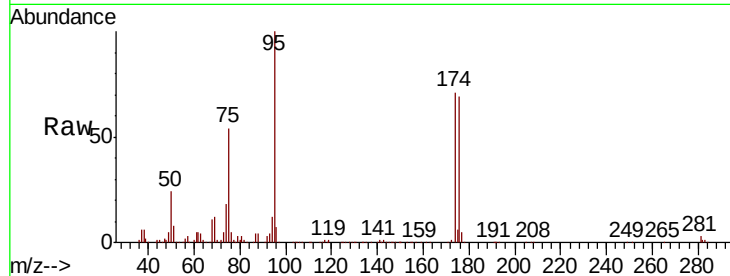
1S-N(1)

Tgt Ion: 75 Resp: 79178

Ion Ratio Lower Upper

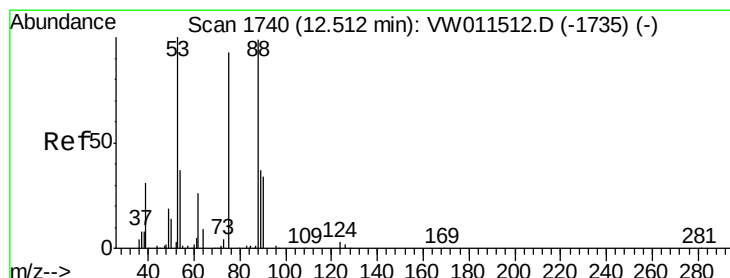
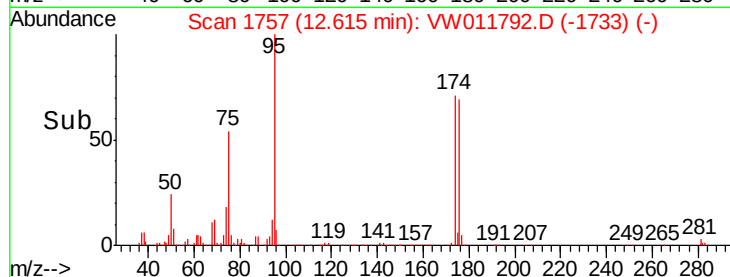
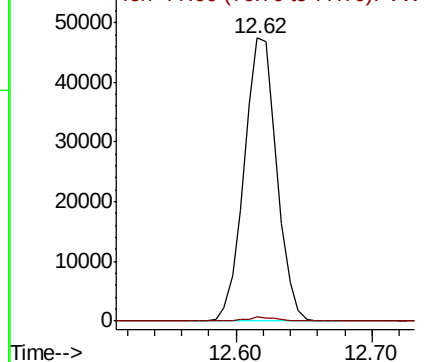
75 100

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: 142.654 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW011792.D

Acq: 09 Aug 2019 02:22

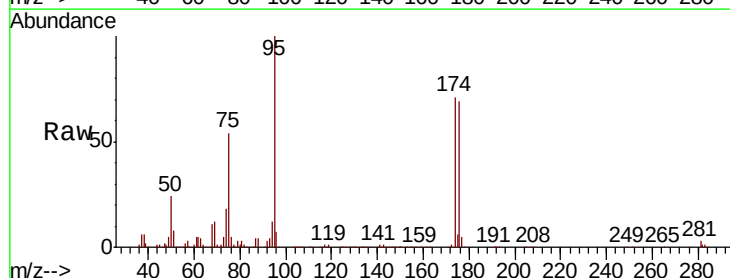
Tgt Ion: 75 Resp: 79178

Ion Ratio Lower Upper

75 100

53 0.2 88.0 132.0#

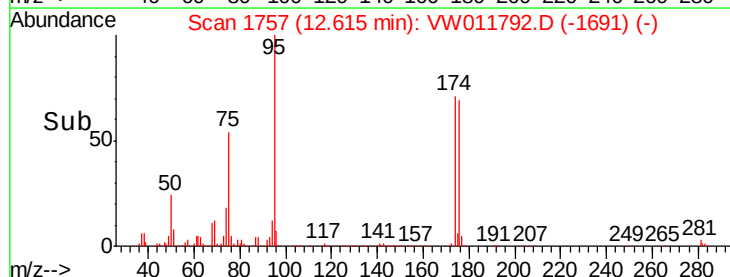
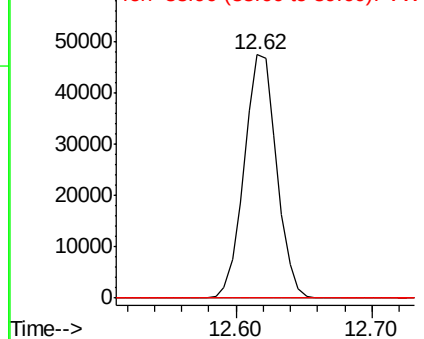
89 0.0 35.3 52.9#

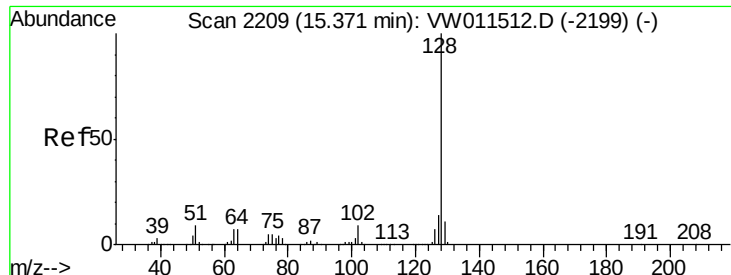


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW





#95

Naphthalene

Concen: 2.093 ug/l

RT: 15.36 min Scan# 2208

Delta R.T. -0.01 min

Lab File: VW011792.D

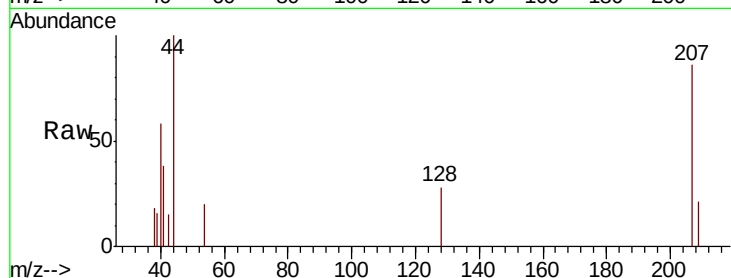
Acq: 09 Aug 2019 02:22

Instrument :

MSVOA_W

ClientSampleId :

1S-N-(1)



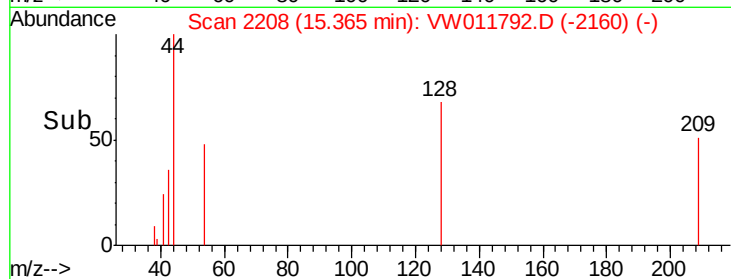
Tgt Ion:128 Resp: 136

Ion Ratio Lower Upper

128 100

127 0.0 10.6 16.0#

129 14.7 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

