

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW071620\
 Data File : VW015860.D
 Acq On : 16 Jul 2020 14:09
 Operator : SY/VA
 Sample : VW0716SBL01
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0716SBL01

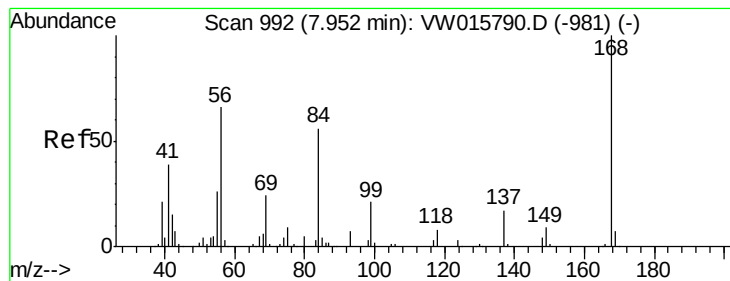
Quant Time: Jul 16 17:59:42 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W070720S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 08 08:28:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	227919	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	376801	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	323234	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	135439	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	130286	55.51	ug/l	0.00
Spiked Amount 50.000			Recovery	=	111.02%	
35) Dibromofluoromethane	7.89	113	115847	52.70	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.40%	
50) Toluene-d8	10.33	98	458884	54.34	ug/l	0.00
Spiked Amount 50.000			Recovery	=	108.68%	
62) 4-Bromofluorobenzene	12.62	95	143225	46.22	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.44%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	4.12	43	2035	4.634	ug/l	91
20) Methylene Chloride	4.92	84	27373	8.336	ug/l	92
31) Cyclohexane	7.95	56	5451	1.342	ug/l #	7
36) 1,1-Dichloropropene	7.95	75	19203	5.170	ug/l #	50
38) Carbon Tetrachloride	7.95	117	23315	6.487	ug/l #	17
51) 4-Methyl-2-Pentanone	10.32	43	2183	1.588	ug/l #	1
76) 1,2,3-Trichloropropane	12.62	75	76355	64.146	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.62	75	76355	138.358	ug/l #	7
95) Naphthalene	15.38	128	636	2.948	ug/l #	73

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

Lab File: VW015860.D

Acq: 16 Jul 2020 14:09

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MSVOA_W

ClientSampleId :

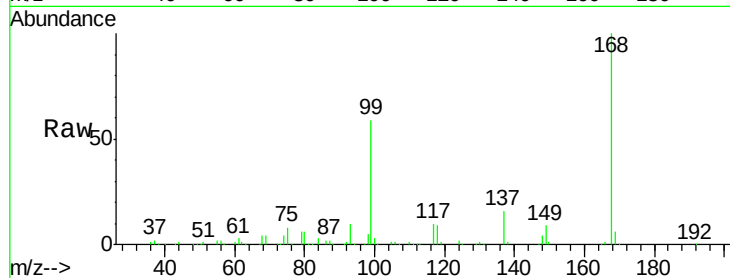
VW0716SBL01

Tgt Ion:168 Resp: 227919

Ion Ratio Lower Upper

168 100

99 59.4 47.8 71.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

120000

100000

80000

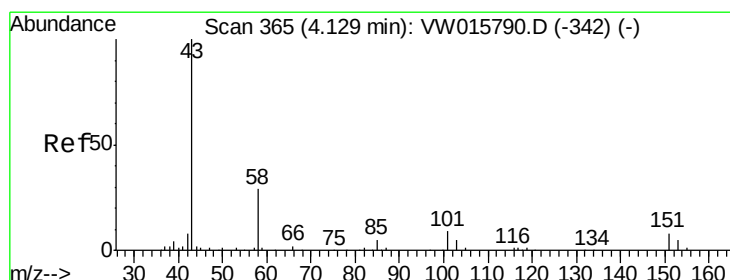
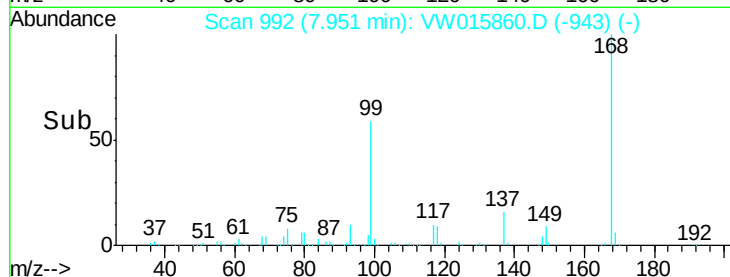
60000

40000

20000

0

Time-->



#16

Acetone

Concen: 4.634 ug/l

RT: 4.12 min Scan# 364

Delta R.T. -0.01 min

Lab File: VW015860.D

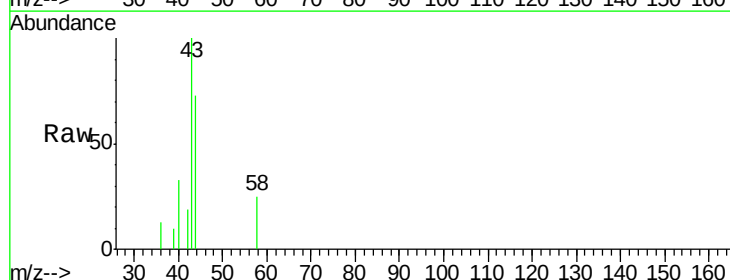
Acq: 16 Jul 2020 14:09

Tgt Ion: 43 Resp: 2035

Ion Ratio Lower Upper

43 100

58 24.8 23.5 35.3



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.12

600

500

400

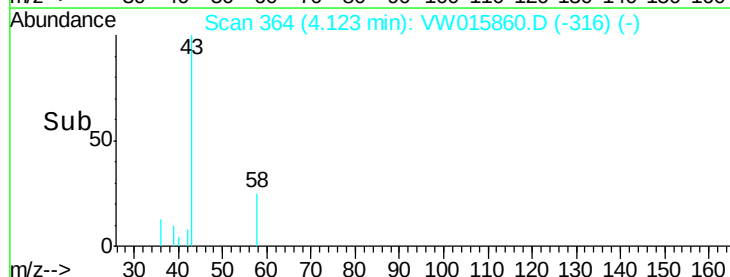
300

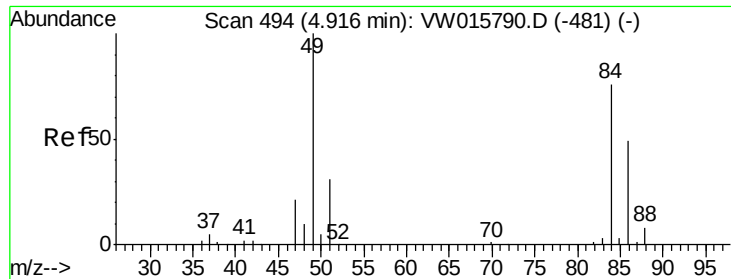
200

100

0

Time-->





#20

Methylene Chloride

Concen: 8.336 ug/l

RT: 4.92 min Scan# 494

Delta R.T. 0.00 min

Lab File: VW015860.D

Acq: 16 Jul 2020 14:09

Instrument :

MSVOA_W

ClientSampleId :

VW0716SBL01

Tgt Ion: 84 Resp: 27373

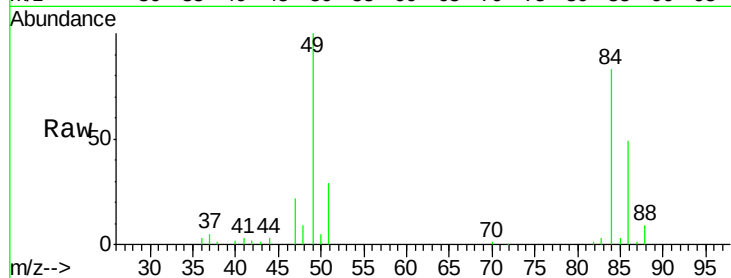
Ion Ratio Lower Upper

84 100

49 121.0 105.0 157.6

51 35.1 32.3 48.5

86 59.7 51.2 76.8

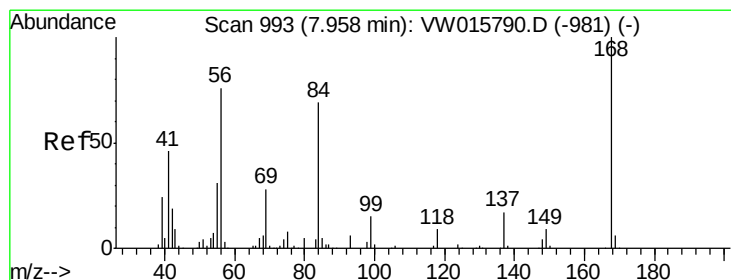
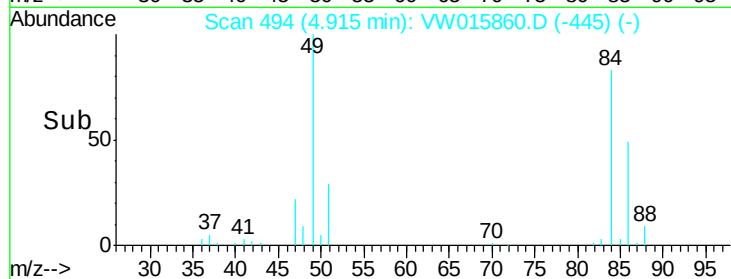
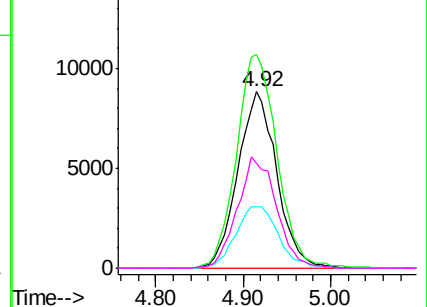


Abundance Ion 83.90 (83.60 to 84.60): VW

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



#31

Cyclohexane

Concen: 1.342 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW015860.D

Acq: 16 Jul 2020 14:09

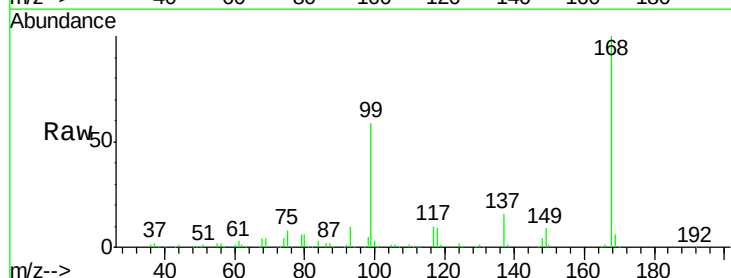
Tgt Ion: 56 Resp: 5451

Ion Ratio Lower Upper

56 100

69 171.7 28.9 43.3#

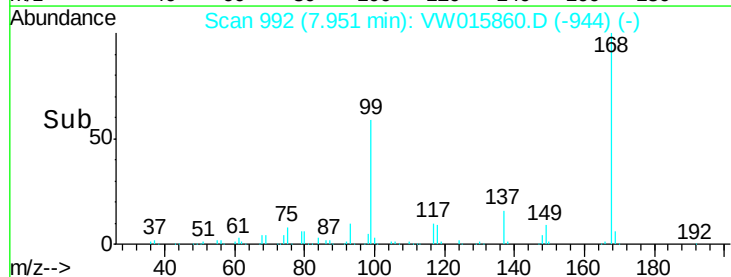
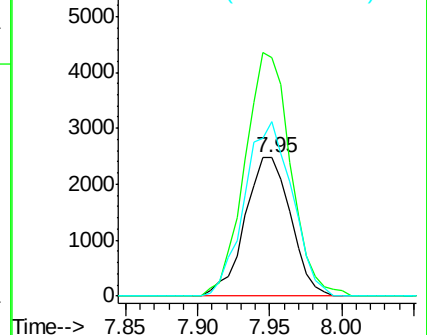
84 126.3 72.2 108.4#

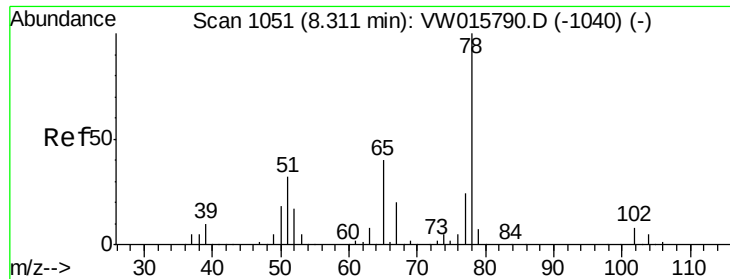


Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 84.00 (83.70 to 84.70): VW

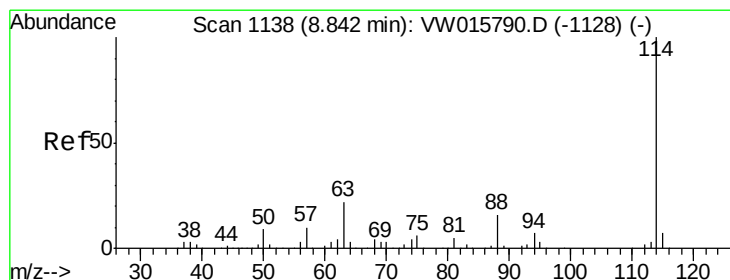
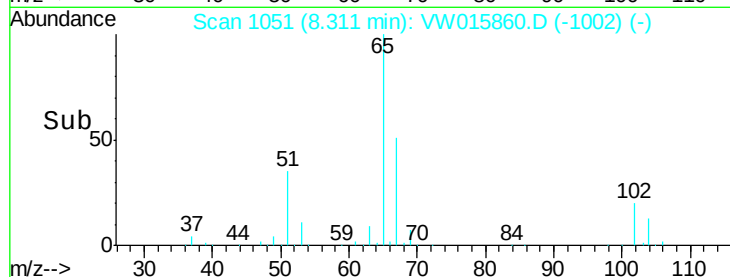
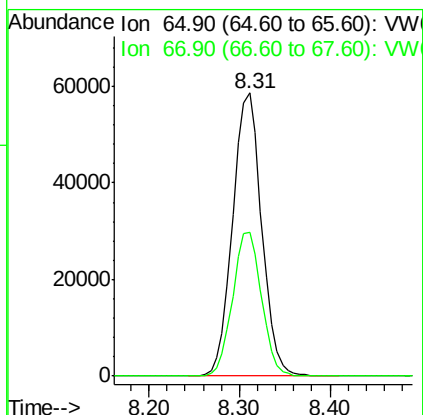
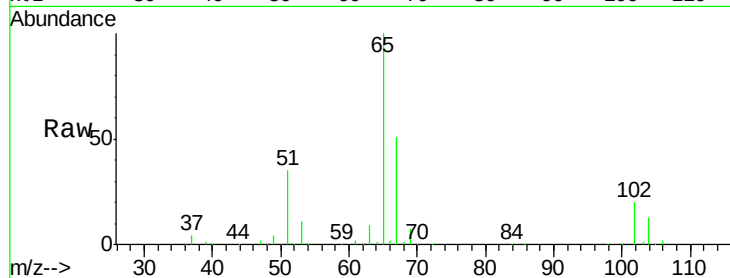




#33
 1,2-Dichloroethane-d4
 Concen: 55.512 ug/l
 RT: 8.31 min Scan# 1051
 Delta R.T. -0.00 min
 Lab File: VW015860.D
 Acq: 16 Jul 2020 14:09

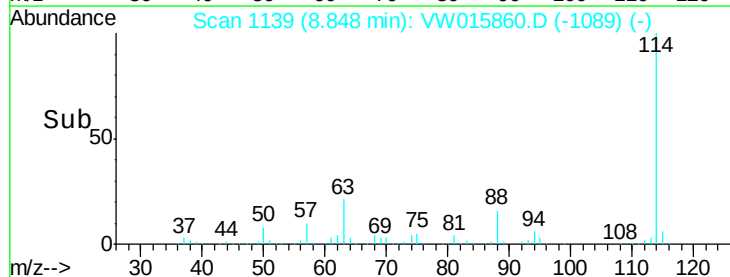
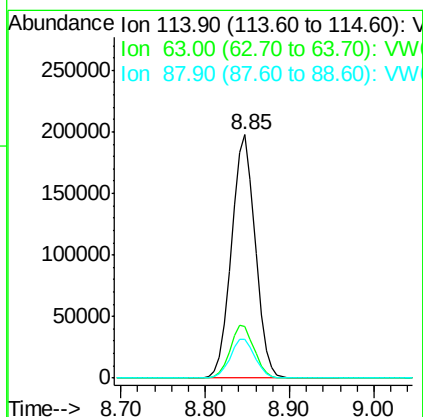
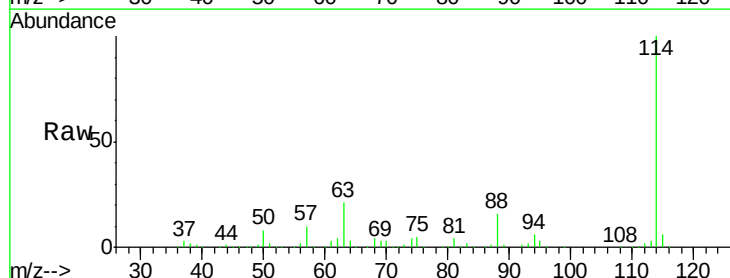
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0716SBL01

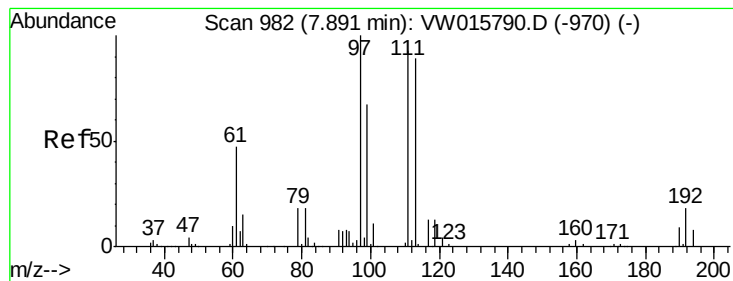
Tgt Ion: 65 Resp: 130286
 Ion Ratio Lower Upper
 65 100
 67 50.8 0.0 101.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. 0.01 min
 Lab File: VW015860.D
 Acq: 16 Jul 2020 14:09

Tgt Ion: 114 Resp: 376801
 Ion Ratio Lower Upper
 114 100
 63 21.0 0.0 44.4
 88 16.0 0.0 32.6





#35

Dibromofluoromethane

Concen: 52.698 ug/l

RT: 7.89 min Scan# 982

Delta R.T. -0.00 min

Lab File: VW015860.D

Acq: 16 Jul 2020 14:09

Instrument :

MSVOA_W

ClientSampleId :

VW0716SBL01

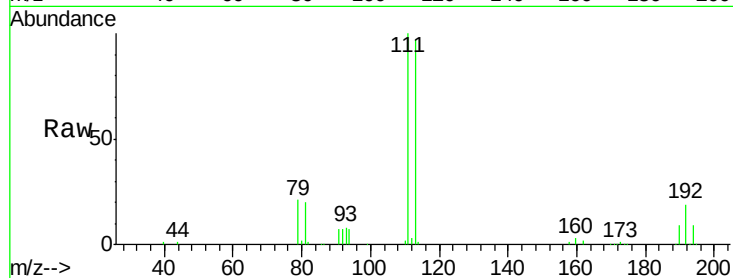
Tgt Ion:113 Resp: 115847

Ion Ratio Lower Upper

113 100

111 104.5 82.8 124.2

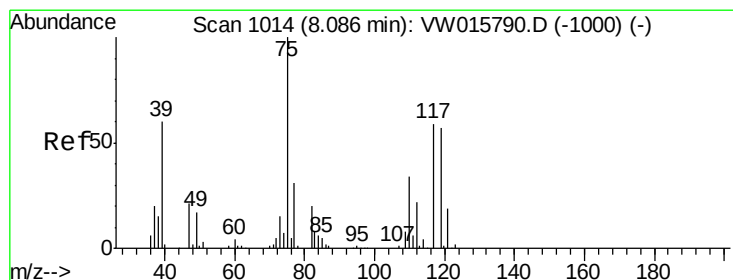
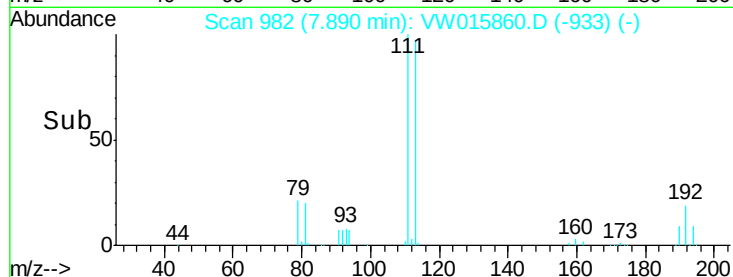
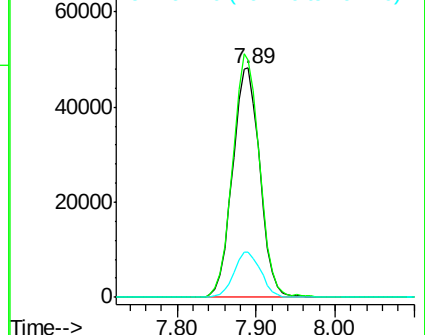
192 19.6 15.4 23.2



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: 5.170 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.13 min

Lab File: VW015860.D

Acq: 16 Jul 2020 14:09

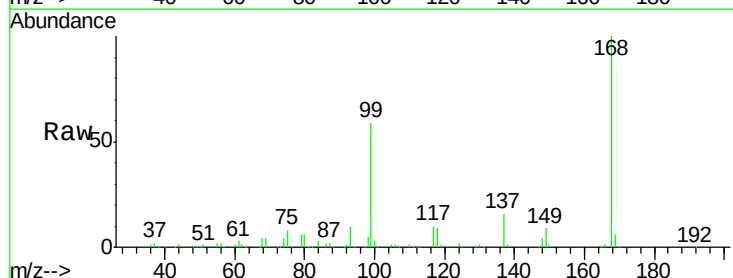
Tgt Ion: 75 Resp: 19203

Ion Ratio Lower Upper

75 100

110 8.9 16.8 50.3#

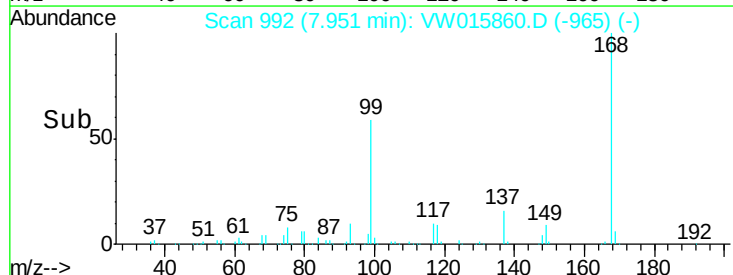
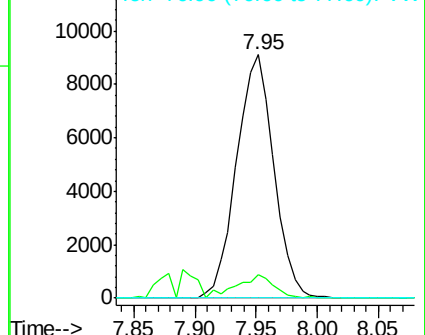
77 0.0 24.7 37.1#

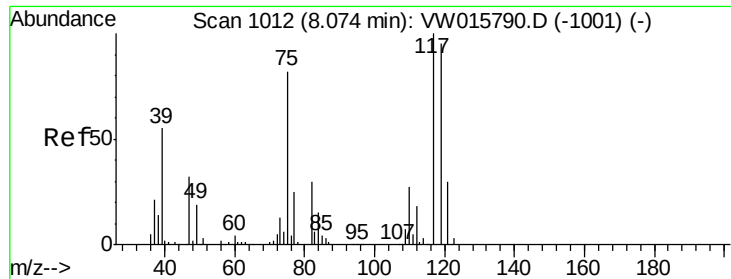


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW





#38

Carbon Tetrachloride

Concen: 6.487 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.12 min

Lab File: VW015860.D

Acq: 16 Jul 2020 14:09

Instrument :

MSVOA_W

ClientSampleId :

VW0716SBL01

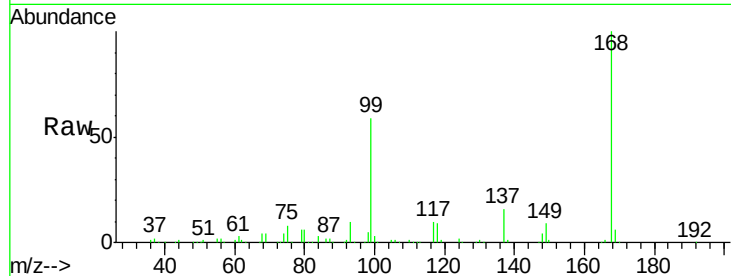
Tgt Ion:117 Resp: 23315

Ion Ratio Lower Upper

117 100

119 6.0 76.3 114.5#

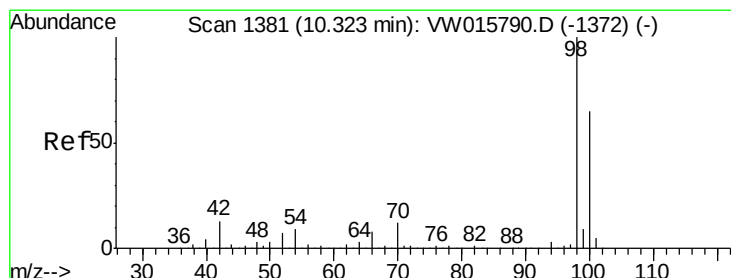
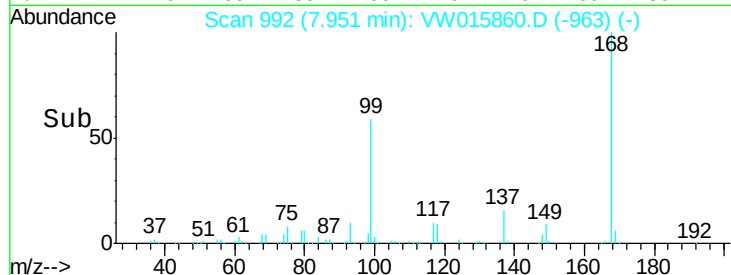
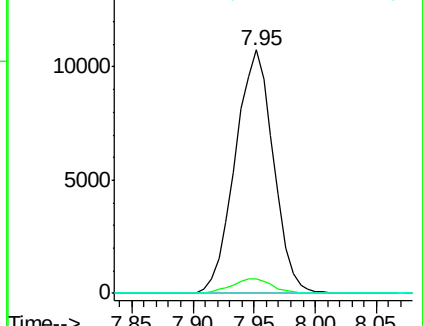
121 0.0 24.0 36.0#



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: 54.344 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. 0.01 min

Lab File: VW015860.D

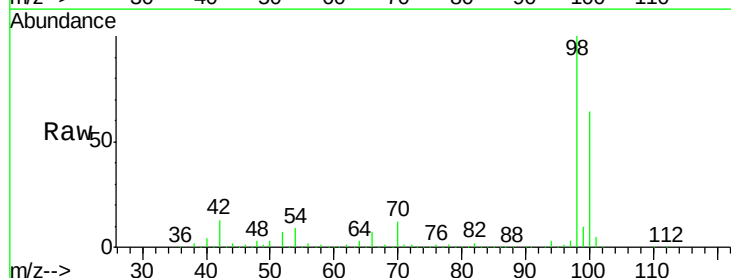
Acq: 16 Jul 2020 14:09

Tgt Ion: 98 Resp: 458884

Ion Ratio Lower Upper

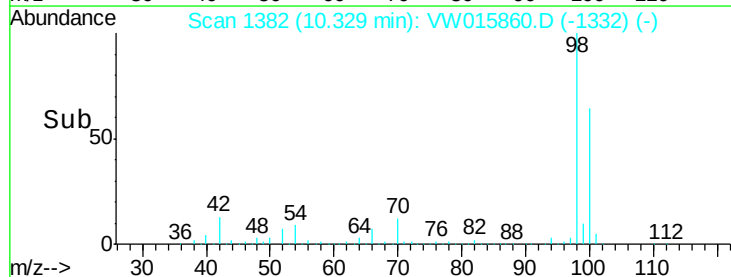
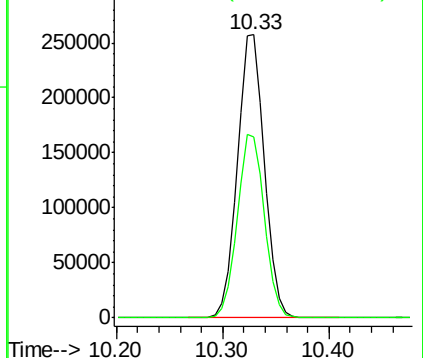
98 100

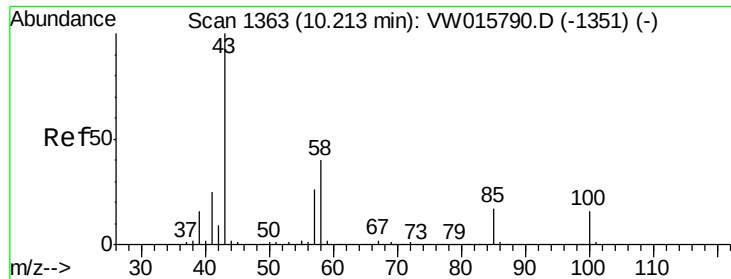
100 65.2 52.6 79.0



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#51

4-Methyl-2-Pentanone

Concen: 1.588 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.11 min

Lab File: VW015860.D

Acq: 16 Jul 2020 14:09

Instrument :

MSVOA_W

ClientSampleId :

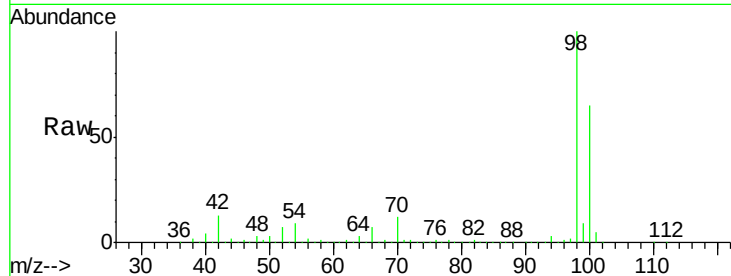
VW0716SBL01

Tgt Ion: 43 Resp: 2183

Ion Ratio Lower Upper

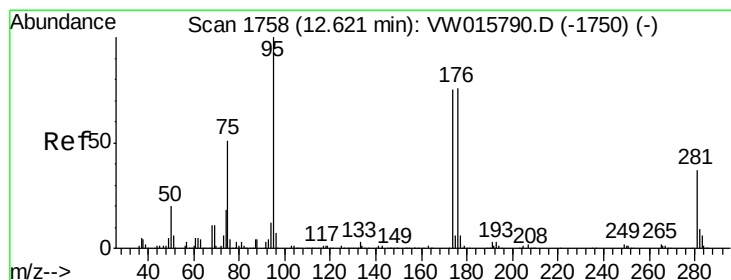
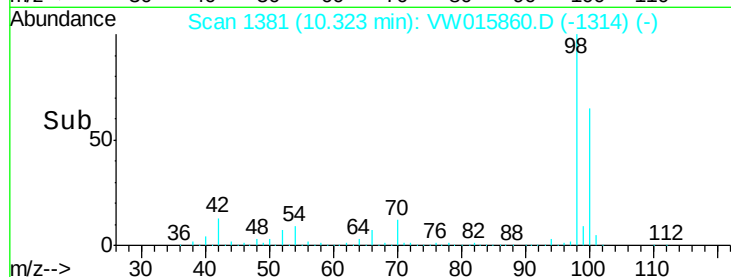
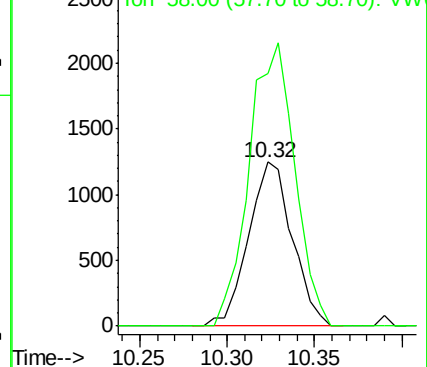
43 100

58 179.7 30.9 46.3#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#62

4-Bromofluorobenzene

Concen: 46.224 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW015860.D

Acq: 16 Jul 2020 14:09

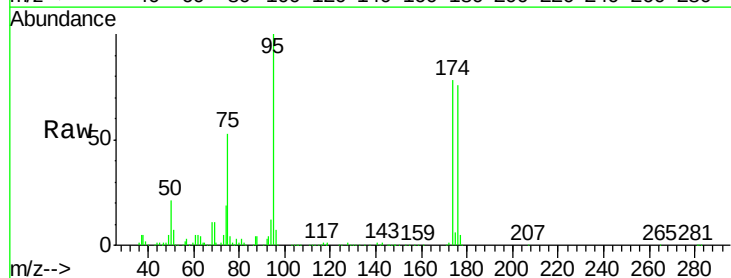
Tgt Ion: 95 Resp: 143225

Ion Ratio Lower Upper

95 100

174 77.1 0.0 150.2

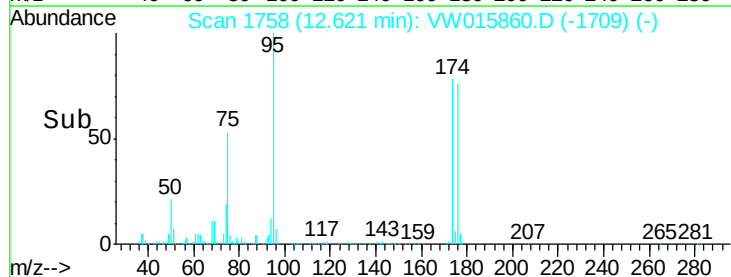
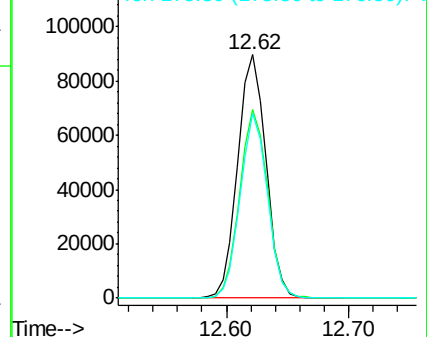
176 73.2 0.0 148.4

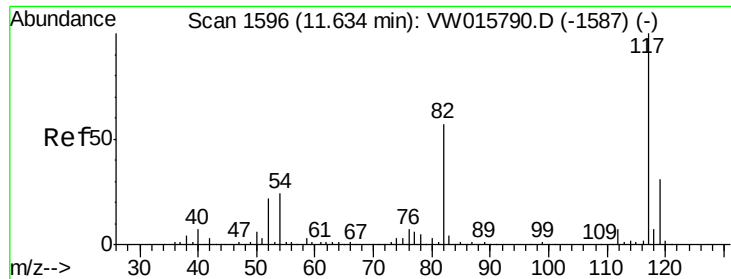


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

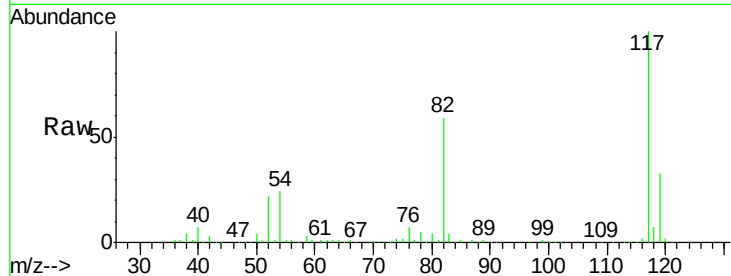




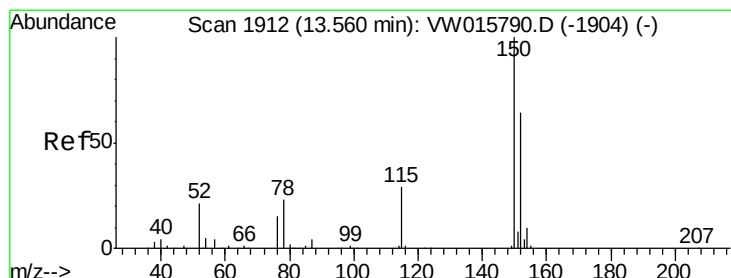
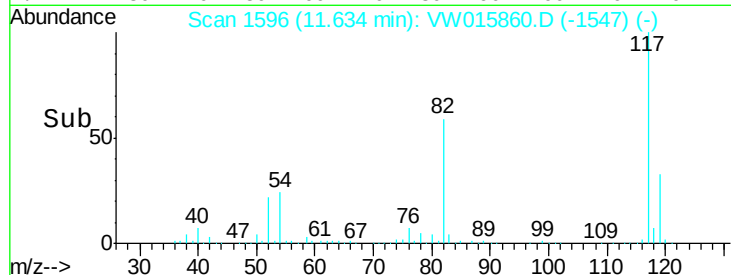
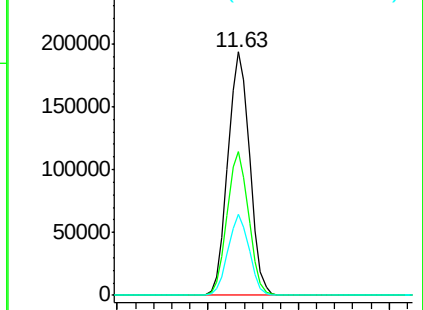
#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.63 min Scan# 1596
 Delta R.T. -0.00 min
 Lab File: VW015860.D
 Acq: 16 Jul 2020 14:09

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0716SBL01

Tgt Ion:117 Resp: 323234
 Ion Ratio Lower Upper
 117 100
 82 59.0 45.5 68.3
 119 33.2 25.0 37.6

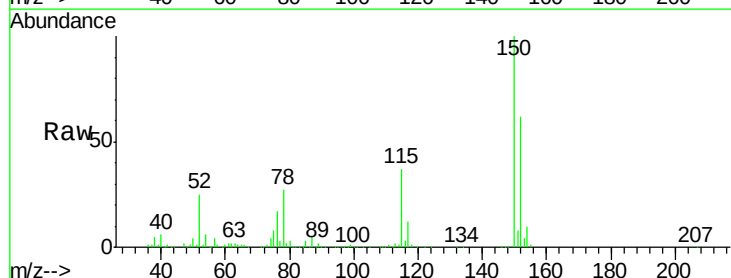


Abundance Ion 116.90 (116.60 to 117.60): V
 Ion 82.00 (81.70 to 82.70): V
 Ion 118.90 (118.60 to 119.60): V

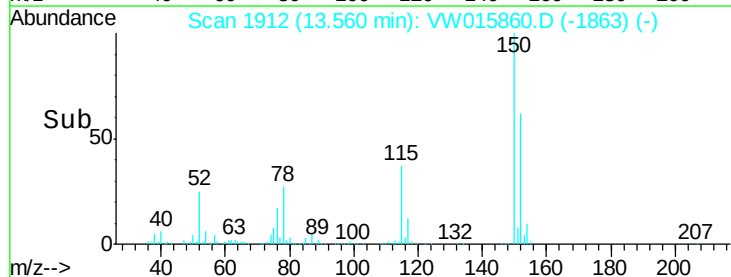
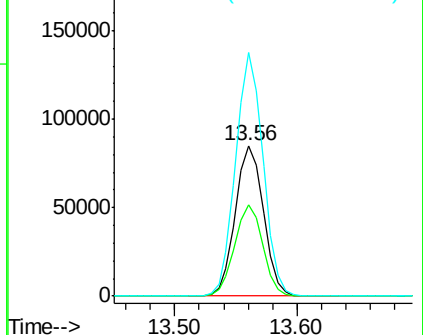


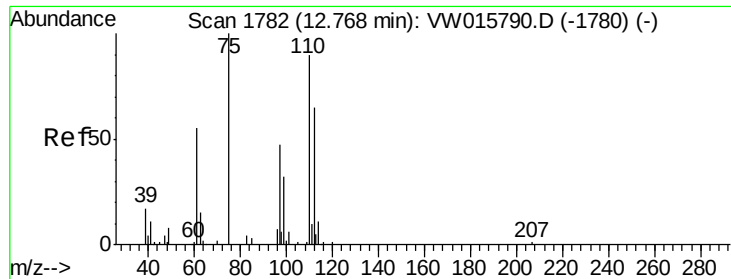
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.56 min Scan# 1912
 Delta R.T. -0.00 min
 Lab File: VW015860.D
 Acq: 16 Jul 2020 14:09

Tgt Ion:152 Resp: 135439
 Ion Ratio Lower Upper
 152 100
 115 60.4 29.9 89.7
 150 157.4 0.0 350.8



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: 64.146 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW015860.D

Acq: 16 Jul 2020 14:09

Instrument :

MSVOA_W

ClientSampleId :

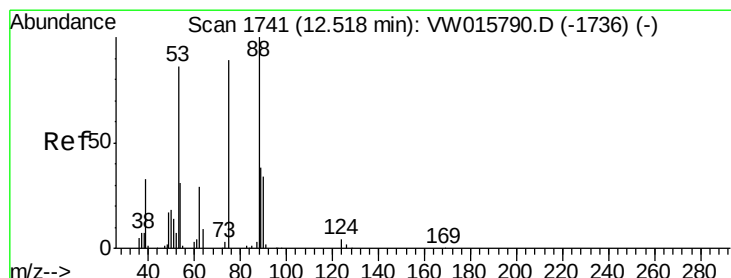
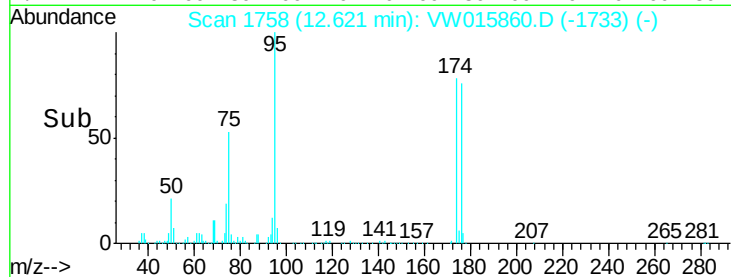
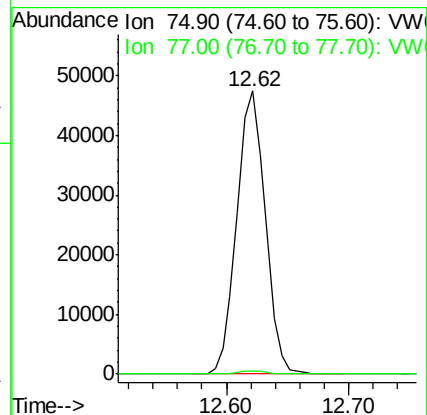
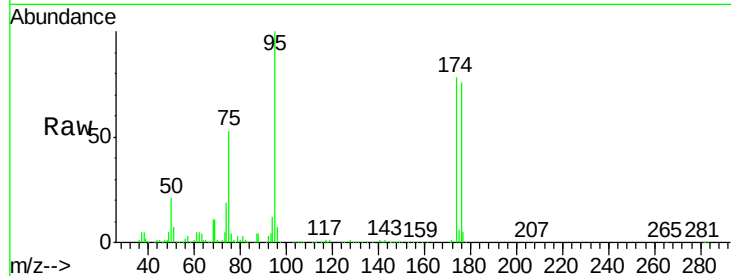
VW0716SBL01

Tgt Ion: 75 Resp: 76355

Ion Ratio Lower Upper

75 100

77 1.2 177.3 532.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 138.358 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.10 min

Lab File: VW015860.D

Acq: 16 Jul 2020 14:09

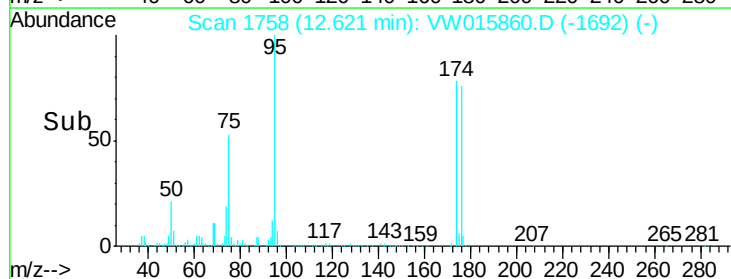
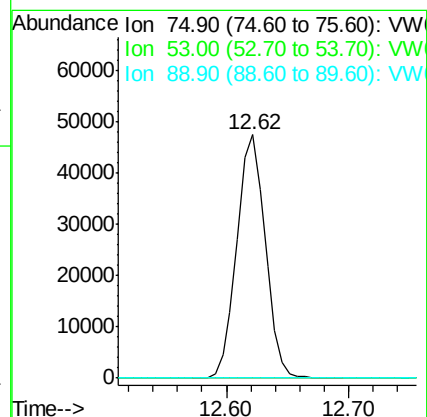
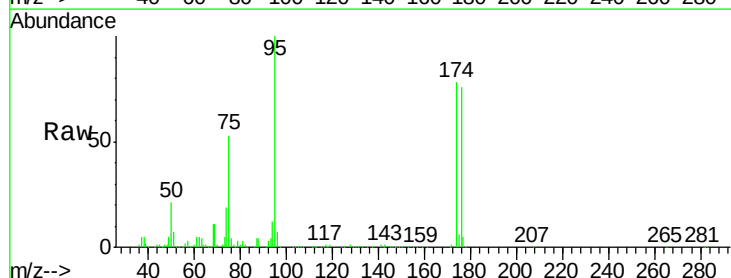
Tgt Ion: 75 Resp: 76355

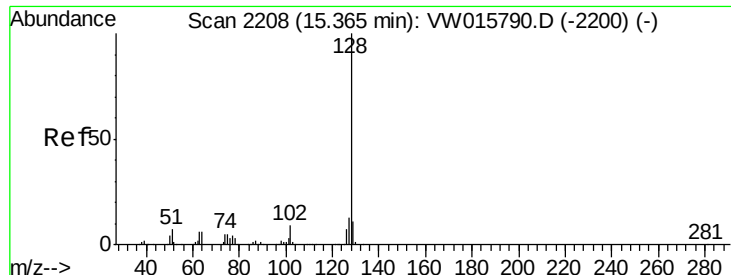
Ion Ratio Lower Upper

75 100

53 0.1 85.9 128.9#

89 0.0 36.2 54.4#





#95
Naphthalene
Concen: 2.948 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. 0.01 min
Lab File: VW015860.D
Acq: 16 Jul 2020 14:09

Instrument :
MSVOA_W
ClientSampleId :
VW0716SBL01

Tgt Ion:128 Resp: 636
Ion Ratio Lower Upper
128 100
127 3.1 10.6 16.0#
129 0.0 8.7 13.1#

