

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW080619\
 Data File : VW011728.D
 Acq On : 05 Aug 2019 23:24
 Operator : SY/VA
 Sample : K4162-04
 Misc : 6.14G/5ML/MSVOA_W/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 RBR-2000050

Quant Time: Aug 06 08:08:06 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	212921	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	354384	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	295928	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	119714	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	138756	56.75	ug/l	0.00
Spiked Amount			Recovery	=	113.50%	
35) Dibromofluoromethane	7.88	113	108785	54.72	ug/l	0.00
Spiked Amount			Recovery	=	109.44%	
50) Toluene-d8	10.32	98	434988	53.44	ug/l	0.00
Spiked Amount			Recovery	=	106.88%	
62) 4-Bromofluorobenzene	12.62	95	138013	47.56	ug/l	0.00
Spiked Amount			Recovery	=	95.12%	

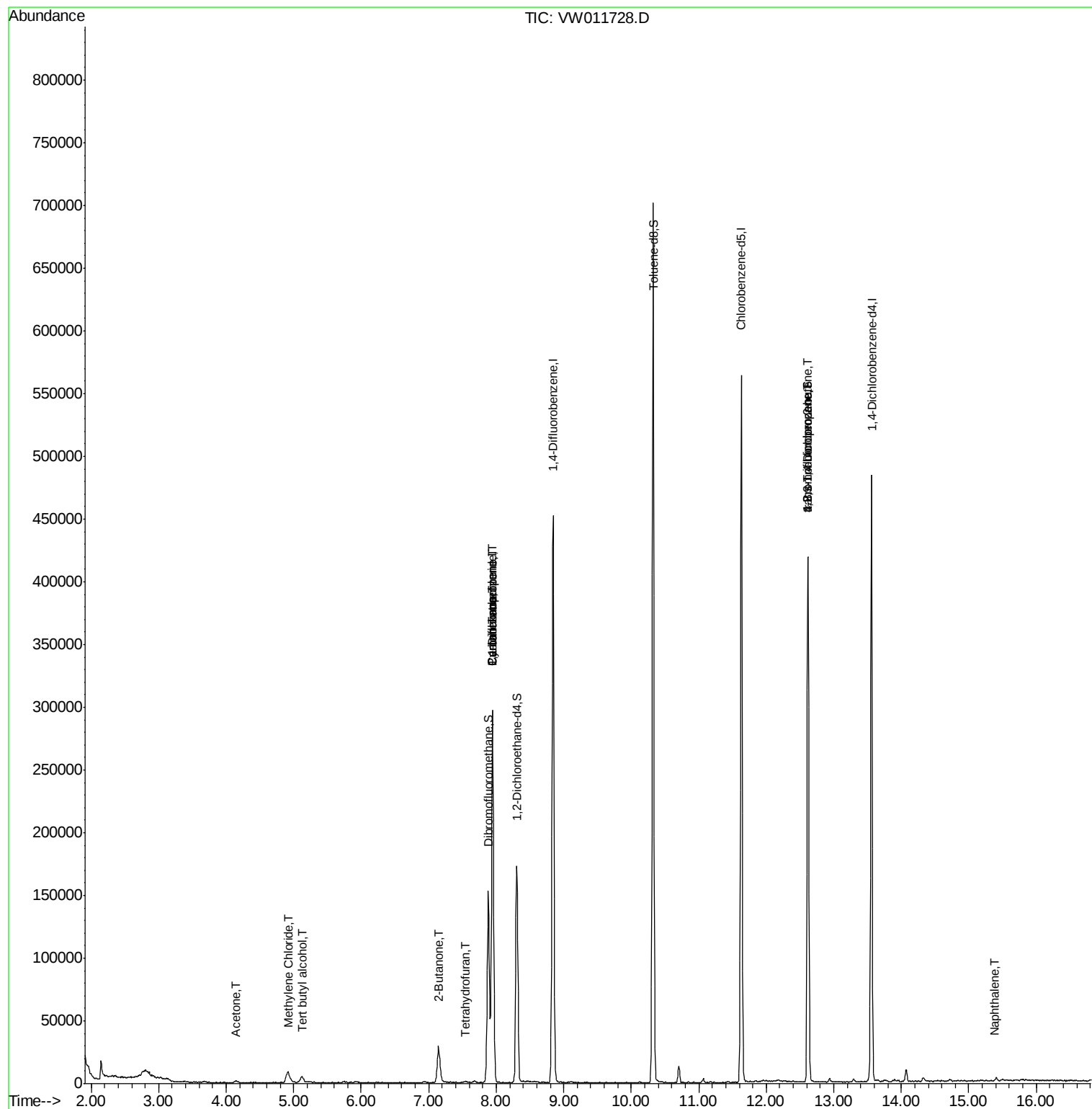
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.12	59	4892	9.994	ug/l #	74
16) Acetone	4.15	43	2363	3.038	ug/l #	86
20) Methylene Chloride	4.92	84	6538	2.438	ug/l	87
25) 2-Butanone	7.14	43	1973	1.939	ug/l #	86
29) Tetrahydrofuran	7.54	42	793	1.363	ug/l #	86
31) Cyclohexane	7.95	56	5339	1.168	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	18353	4.981	ug/l #	52
38) Carbon Tetrachloride	7.95	117	21572	6.838	ug/l #	17
76) 1,2,3-Trichloropropane	12.62	75	73792	58.255	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	73792	134.257	ug/l #	6
95) Naphthalene	15.37	128	273	2.121	ug/l #	69

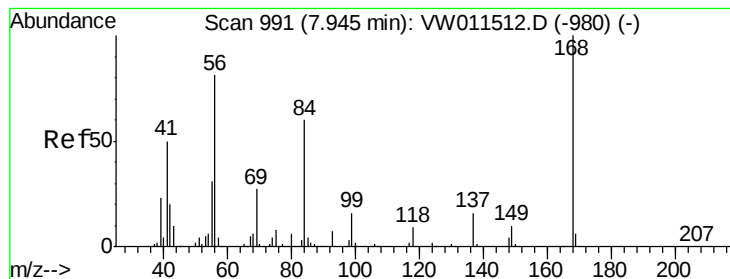
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW080619\
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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: VW011728.D

Acq: 05 Aug 2019 23:24

Instrument :

MSVOA_W

ClientSampled :

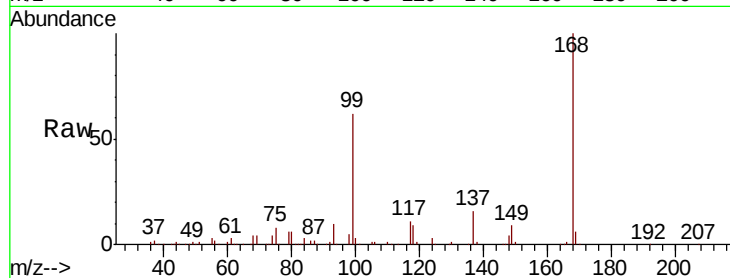
RBR-2000050

Tgt Ion:168 Resp: 212921

Ion Ratio Lower Upper

168 100

99 61.8 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

100000

80000

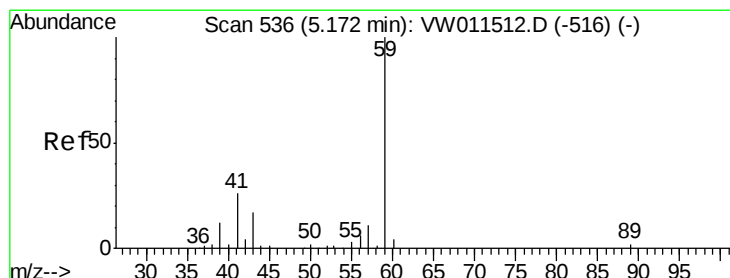
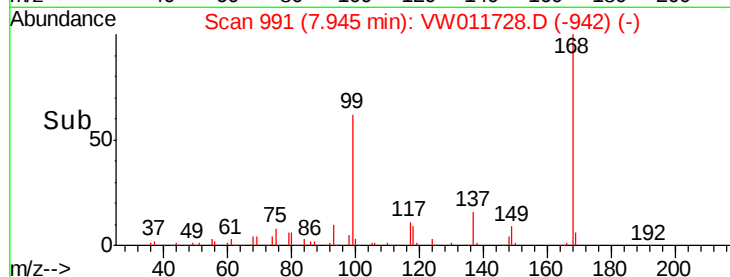
60000

40000

20000

0

Time-->



#11

Tert butyl alcohol

Concen: 9.994 ug/l

RT: 5.12 min Scan# 527

Delta R.T. -0.05 min

Lab File: VW011728.D

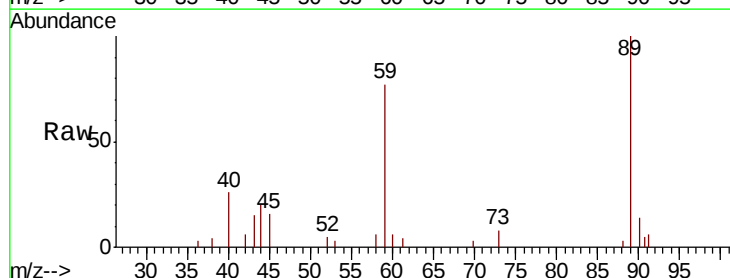
Acq: 05 Aug 2019 23:24

Tgt Ion: 59 Resp: 4892

Ion Ratio Lower Upper

59 100

57 1.0 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.12

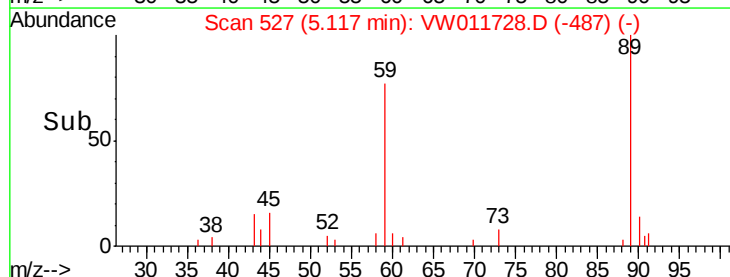
1500

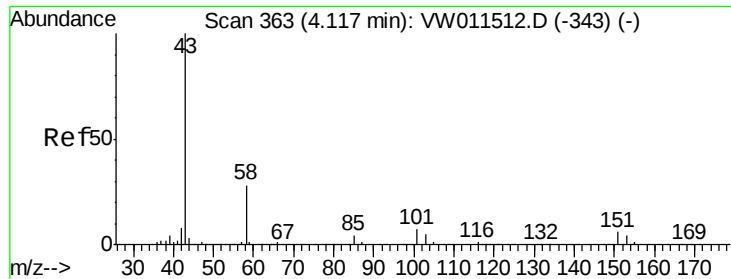
1000

500

0

Time-->





#16

Acetone

Concen: 3.038 ug/l

RT: 4.15 min Scan# 368

Delta R.T. 0.03 min

Lab File: VW011728.D

Acq: 05 Aug 2019 23:24

Instrument :

MSVOA_W

ClientSampleId :

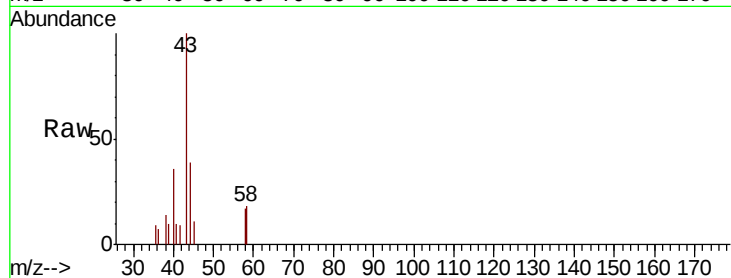
RBR-2000050

Tgt Ion: 43 Resp: 2363

Ion Ratio Lower Upper

43 100

58 35.1 22.3 33.5#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.15

800

600

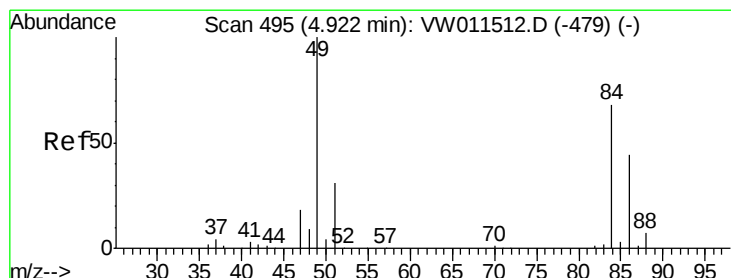
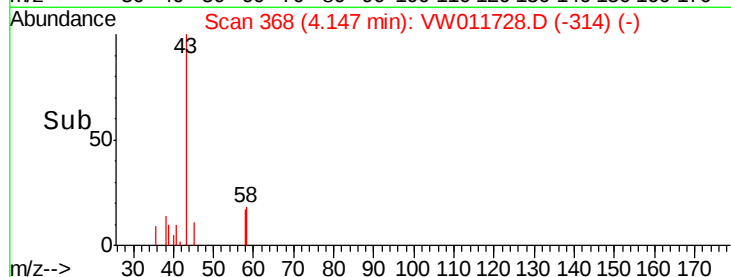
400

200

0

4.05 4.10 4.15 4.20 4.25

Time-->



#20

Methylene Chloride

Concen: 2.438 ug/l

RT: 4.92 min Scan# 495

Delta R.T. 0.00 min

Lab File: VW011728.D

Acq: 05 Aug 2019 23:24

Tgt Ion: 84 Resp: 6538

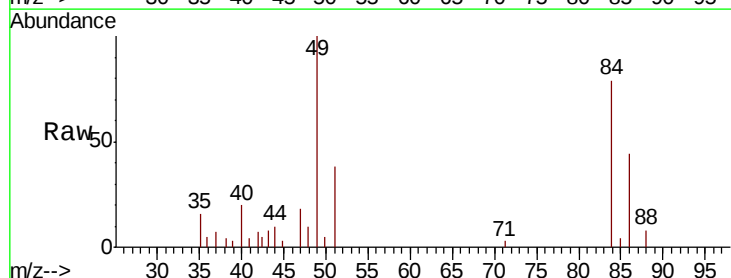
Ion Ratio Lower Upper

84 100

49 126.3 117.8 176.6

51 48.3 37.0 55.4

86 55.2 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

4000

3000

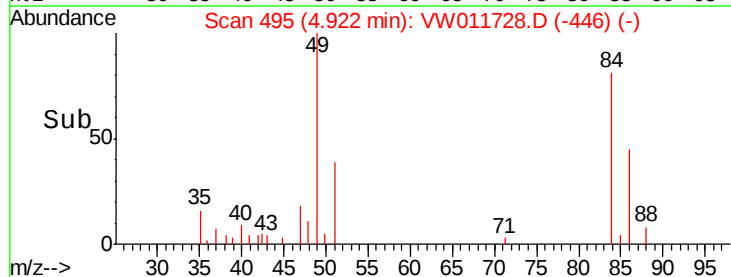
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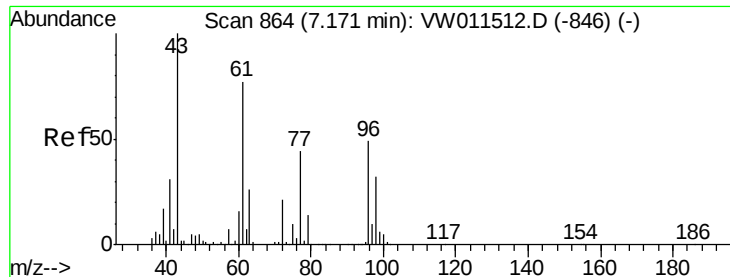
1000

0

4.80 4.90 5.00

Time-->





#25

2-Butanone

Concen: 1.939 ug/l

RT: 7.14 min Scan# 859

Delta R.T. -0.03 min

Lab File: VW011728.D

Acq: 05 Aug 2019 23:24

Instrument :

MSVOA_W

ClientSampleId :

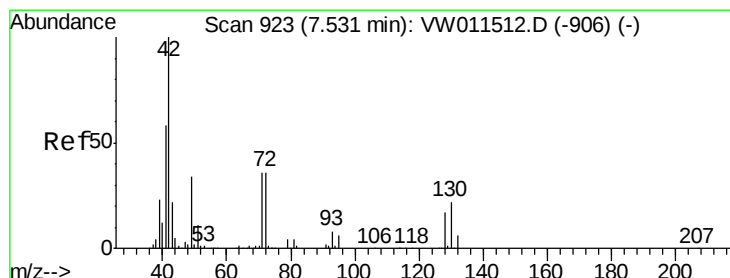
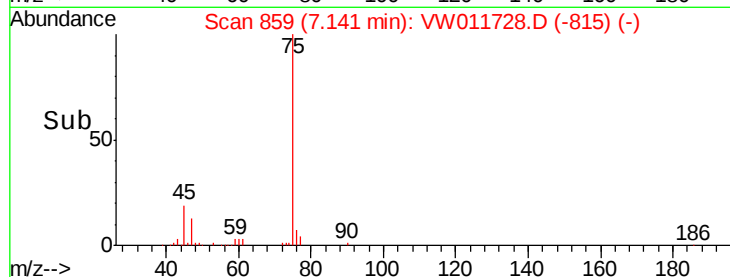
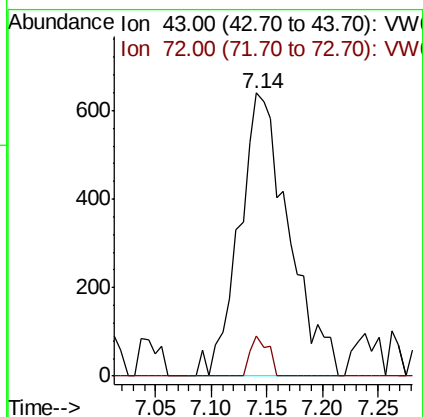
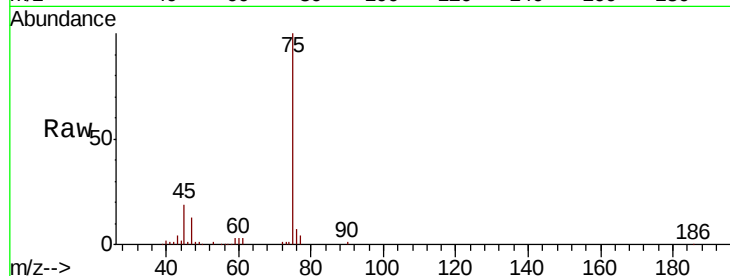
RBR-2000050

Tgt Ion: 43 Resp: 1973

Ion Ratio Lower Upper

43 100

72 14.4 16.6 24.8#



#29

Tetrahydrofuran

Concen: 1.363 ug/l

RT: 7.54 min Scan# 924

Delta R.T. 0.01 min

Lab File: VW011728.D

Acq: 05 Aug 2019 23:24

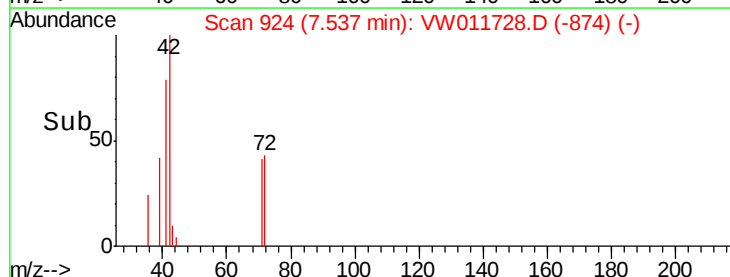
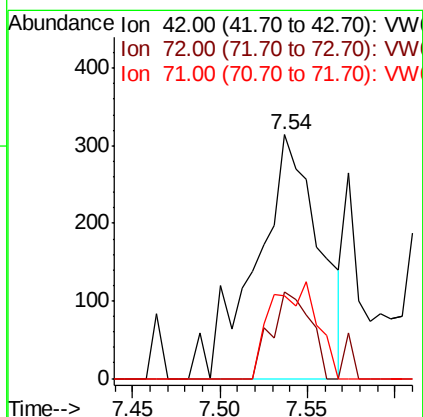
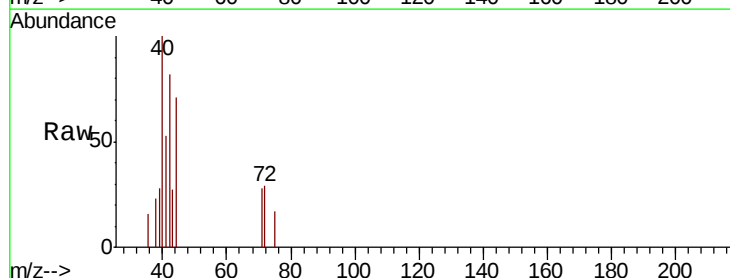
Tgt Ion: 42 Resp: 793

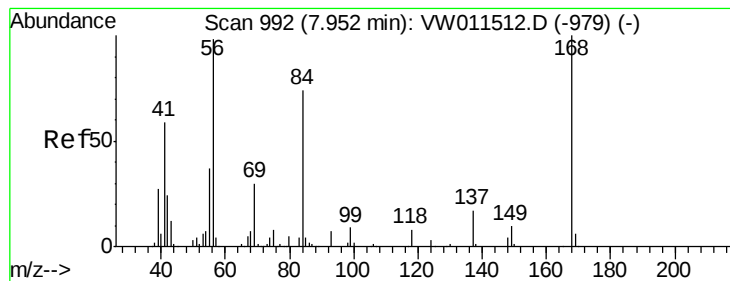
Ion Ratio Lower Upper

42 100

72 21.9 27.1 40.7#

71 28.9 26.2 39.4





#31

Cyclohexane

Concen: 1.168 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW011728.D

Acq: 05 Aug 2019 23:24

Instrument :

MSVOA_W

ClientSampleId :

RBR-2000050

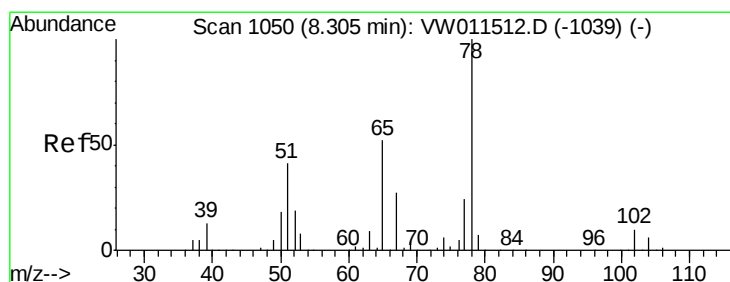
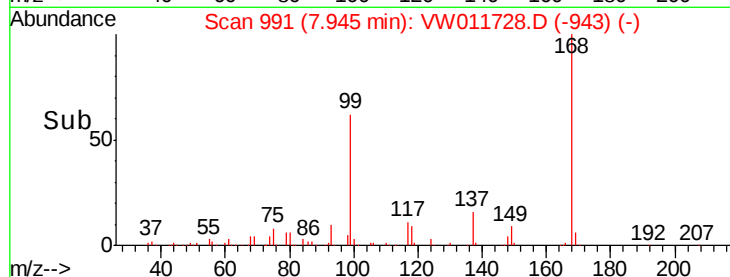
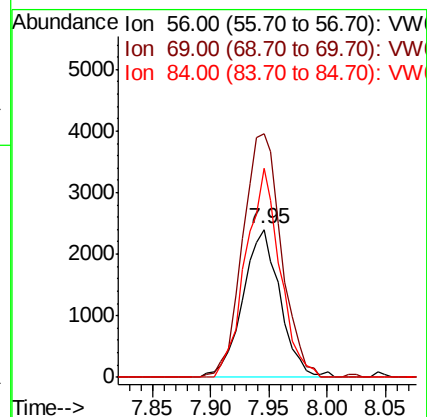
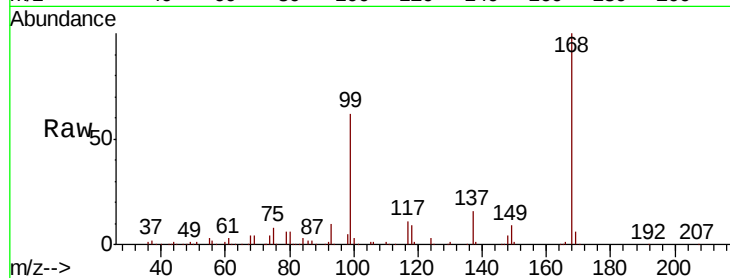
Tgt Ion: 56 Resp: 5339

Ion Ratio Lower Upper

56 100

69 164.8 24.3 36.5#

84 141.6 60.4 90.6#



#33

1,2-Dichloroethane-d4

Concen: 56.753 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW011728.D

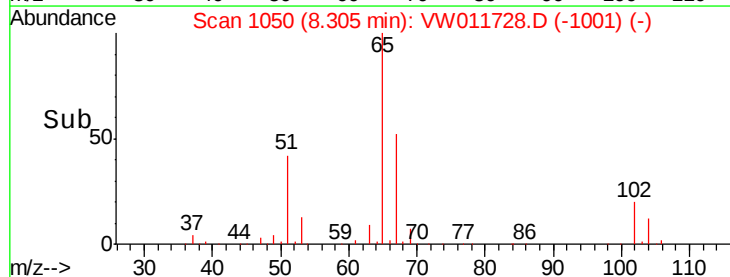
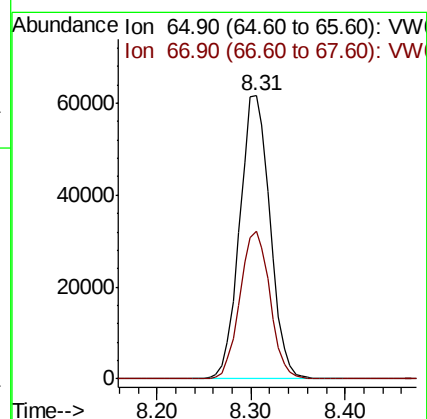
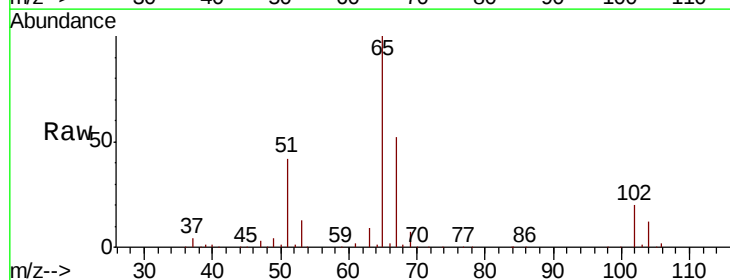
Acq: 05 Aug 2019 23:24

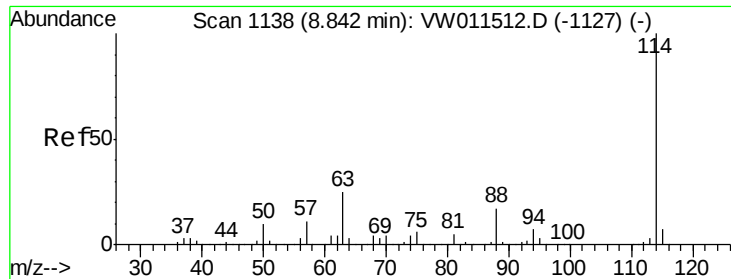
Tgt Ion: 65 Resp: 138756

Ion Ratio Lower Upper

65 100

67 51.6 0.0 105.2

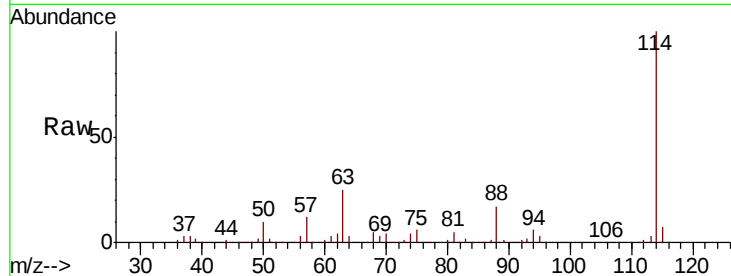




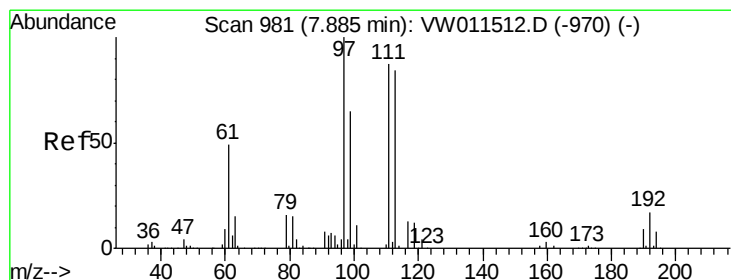
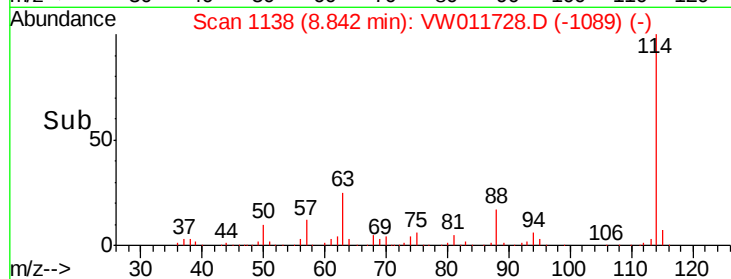
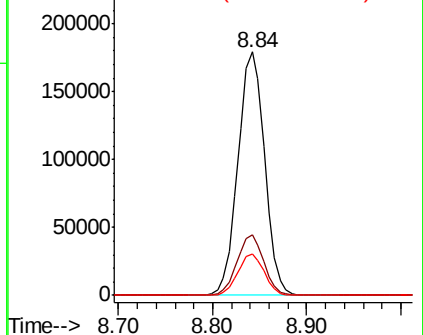
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW011728.D
 Acq: 05 Aug 2019 23:24

Instrument :
 MSVOA_W
 ClientSampleId :
 RBR-2000050

Tgt Ion:114 Resp: 354384
 Ion Ratio Lower Upper
 114 100
 63 24.7 0.0 49.2
 88 17.0 0.0 33.8

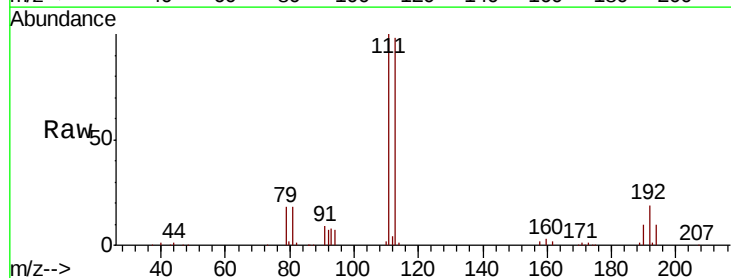


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

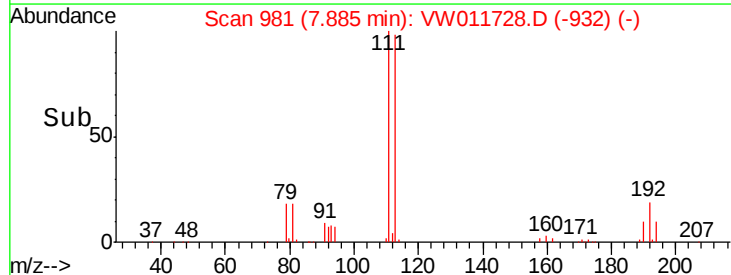
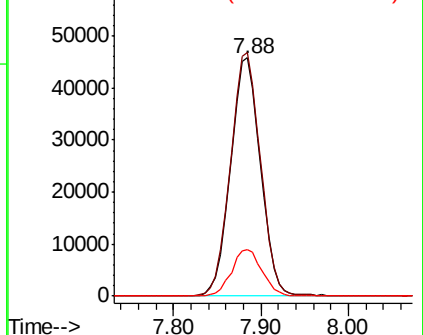


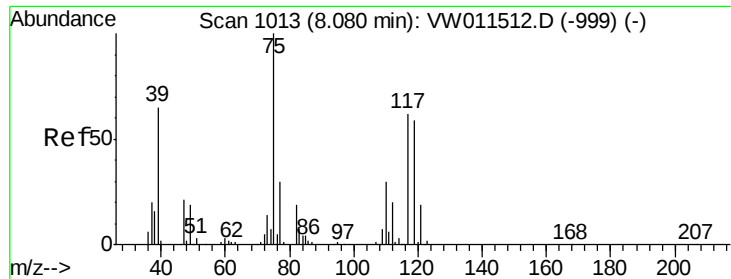
#35
 Dibromofluoromethane
 Concen: 54.717 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW011728.D
 Acq: 05 Aug 2019 23:24

Tgt Ion:113 Resp: 108785
 Ion Ratio Lower Upper
 113 100
 111 102.6 82.7 124.1
 192 20.0 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

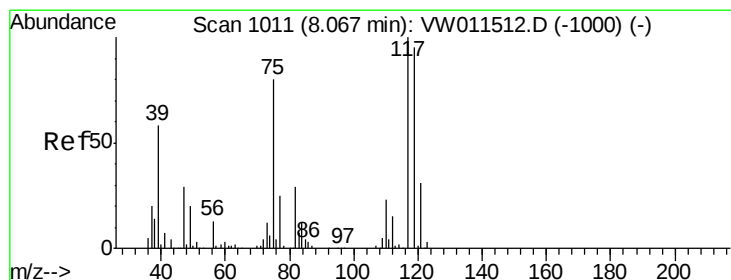
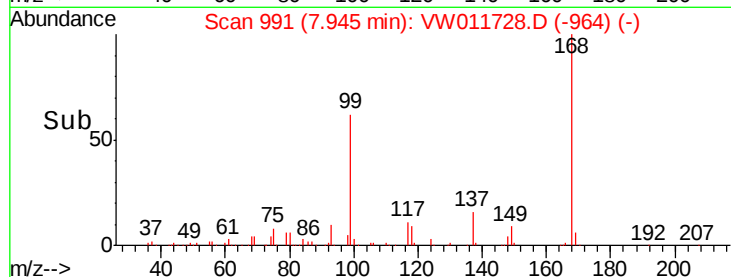
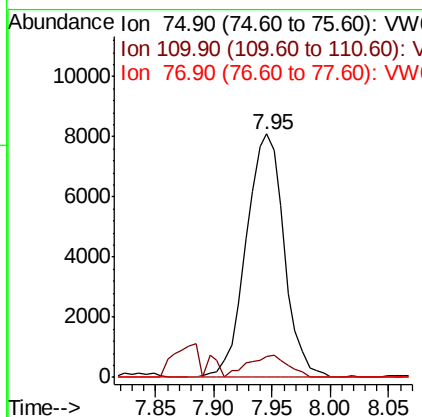
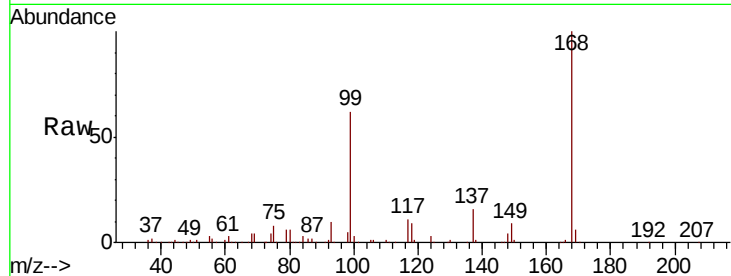




#36
 1,1-Dichloropropene
 Concen: 4.981 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW011728.D
 Acq: 05 Aug 2019 23:24

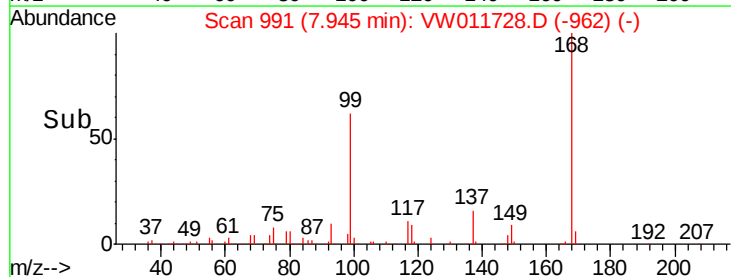
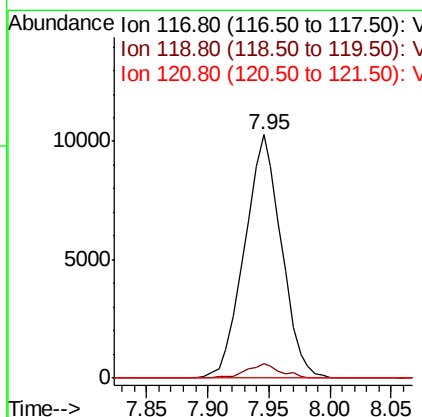
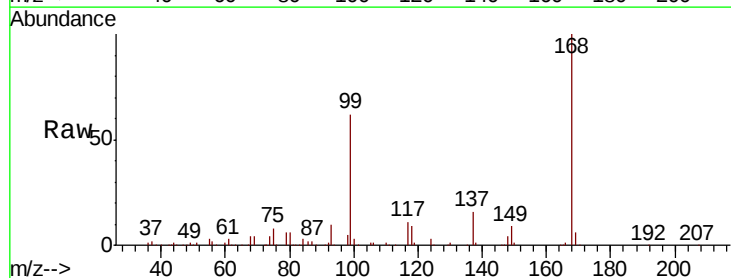
Instrument :
 MSVOA_W
 ClientSampleId :
 RBR-2000050

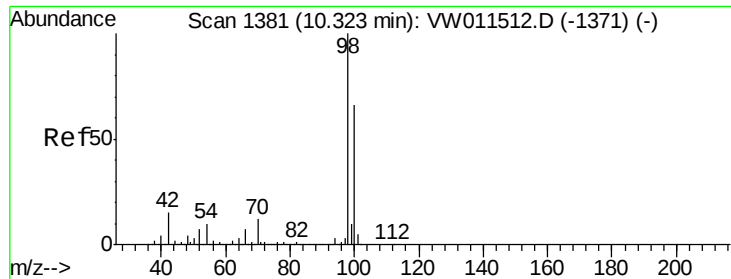
Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.3	15.6	46.8#
77	0.0	24.3	36.5#



#38
 Carbon Tetrachloride
 Concen: 6.838 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW011728.D
 Acq: 05 Aug 2019 23:24

Tgt Ion	Ratio	Lower	Upper
117	100		
119	6.1	75.8	113.6#
121	0.0	24.7	37.1#





#50

Toluene-d8

Concen: 53.438 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW011728.D

Acq: 05 Aug 2019 23:24

Instrument :

MSVOA_W

ClientSampleId :

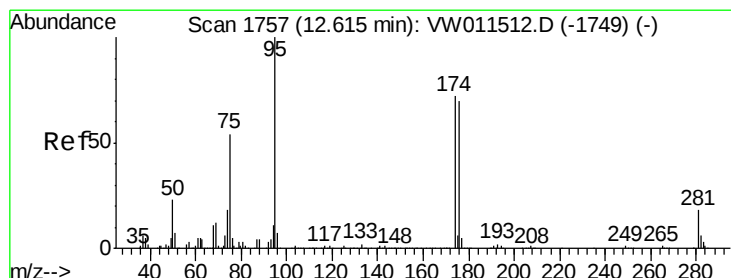
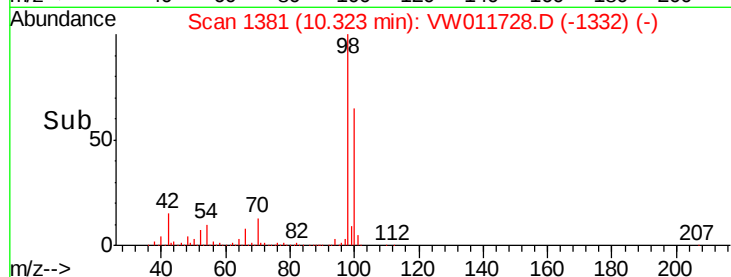
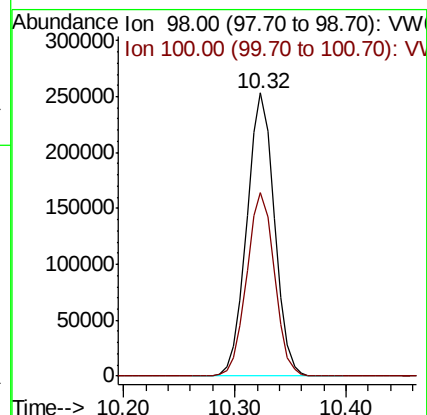
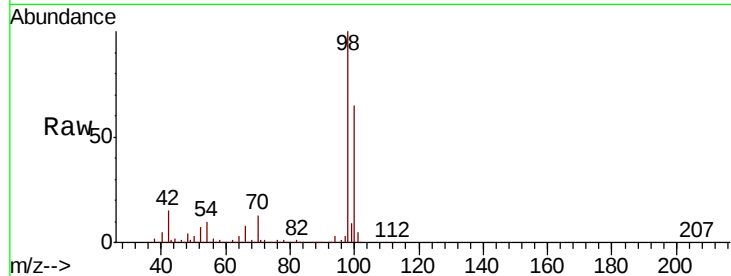
RBR-2000050

Tgt Ion: 98 Resp: 434988

Ion Ratio Lower Upper

98 100

100 65.3 52.7 79.1



#62

4-Bromofluorobenzene

Concen: 47.556 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.01 min

Lab File: VW011728.D

Acq: 05 Aug 2019 23:24

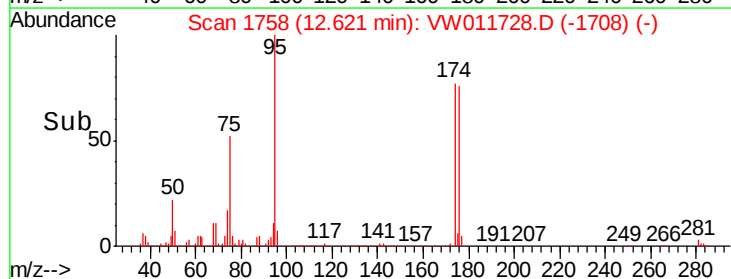
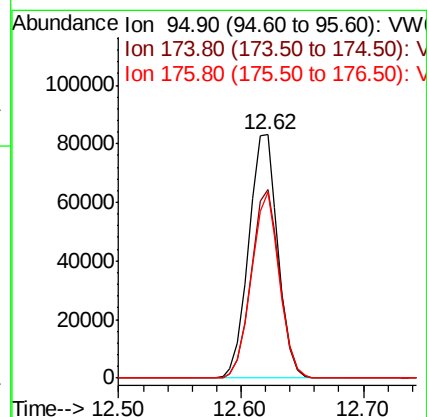
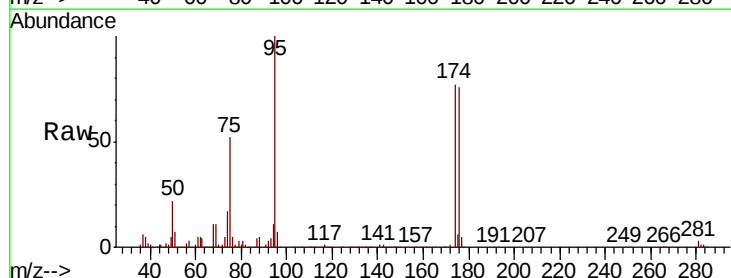
Tgt Ion: 95 Resp: 138013

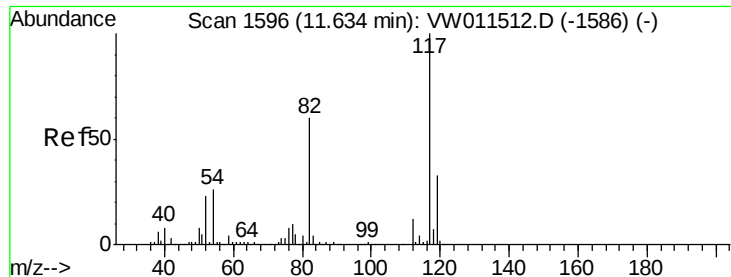
Ion Ratio Lower Upper

95 100

174 76.1 0.0 150.2

176 73.1 0.0 144.4

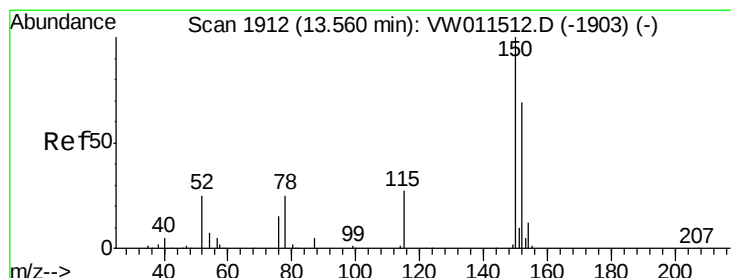
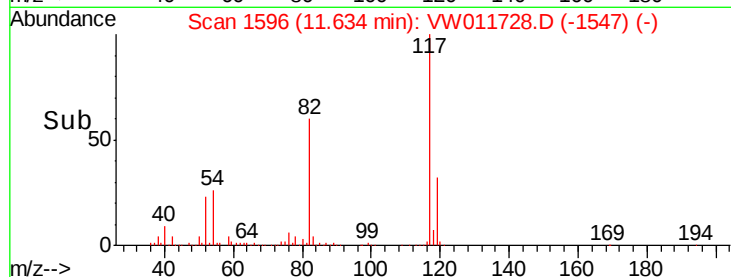
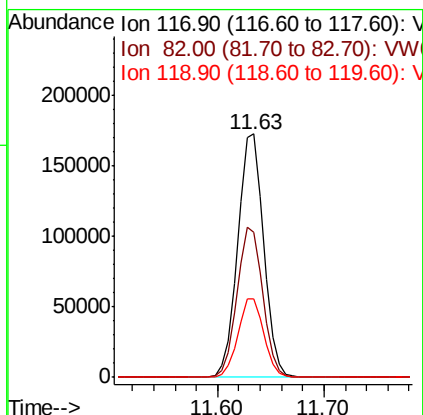
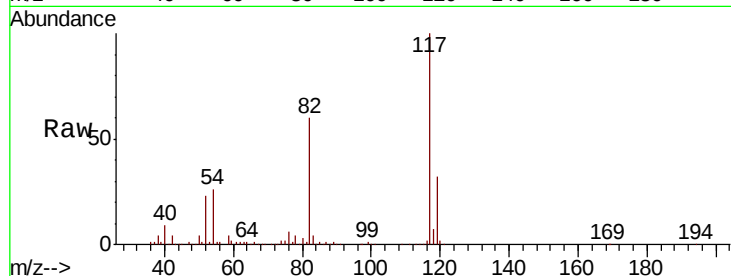




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW011728.D
Acq: 05 Aug 2019 23:24

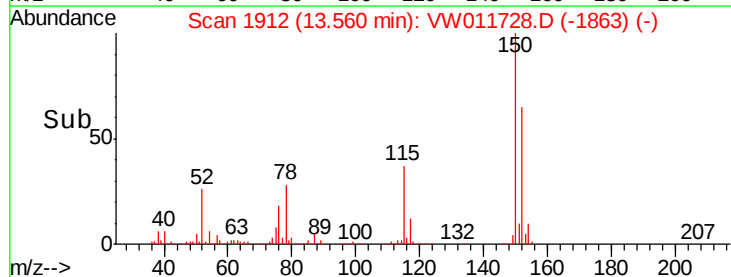
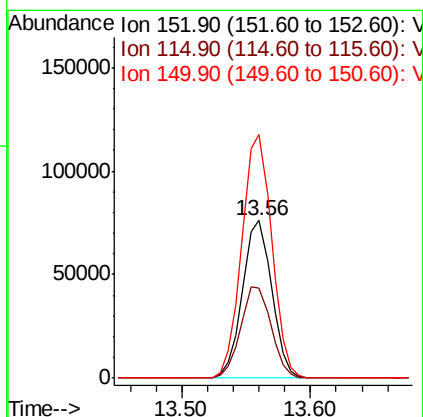
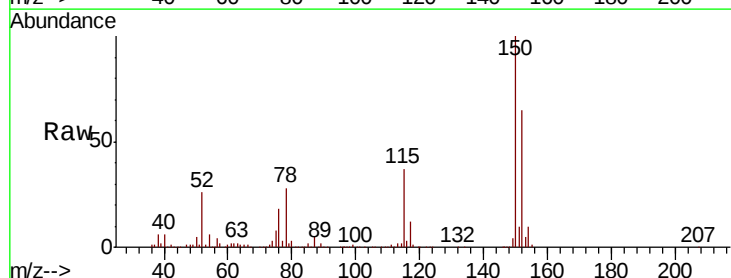
Instrument :
MSVOA_W
ClientSampleId :
RBR-2000050

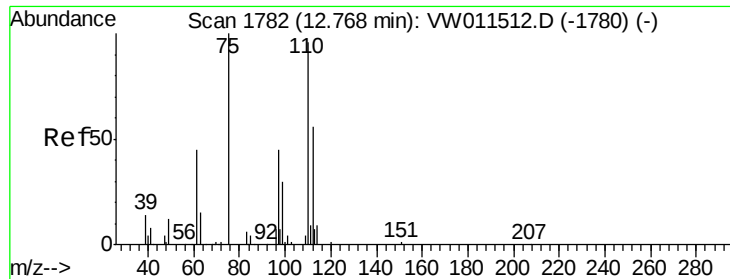
Tgt Ion:117 Resp: 295928
Ion Ratio Lower Upper
117 100
82 59.8 47.9 71.9
119 32.1 26.2 39.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW011728.D
Acq: 05 Aug 2019 23:24

Tgt Ion:152 Resp: 119714
Ion Ratio Lower Upper
152 100
115 60.2 30.5 91.5
150 157.9 0.0 352.6





#76

1,2,3-Trichloropropane

Concen: 58.255 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW011728.D

Acq: 05 Aug 2019 23:24

Instrument :

MSVOA_W

ClientSampleId :

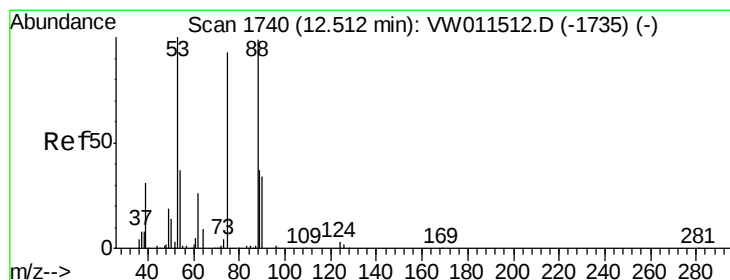
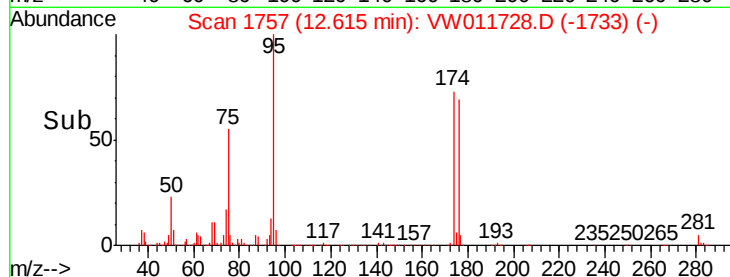
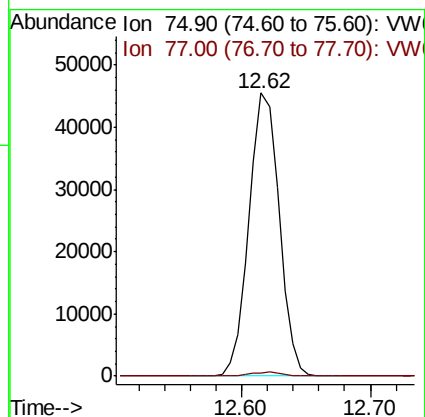
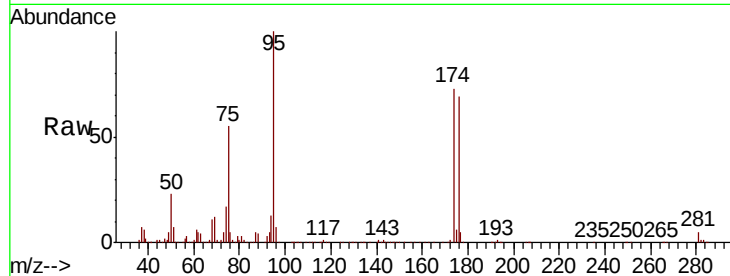
RBR-2000050

Tgt Ion: 75 Resp: 73792

Ion Ratio Lower Upper

75 100

77 1.5 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 134.257 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW011728.D

Acq: 05 Aug 2019 23:24

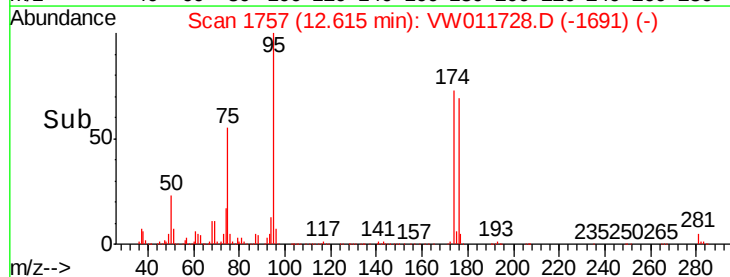
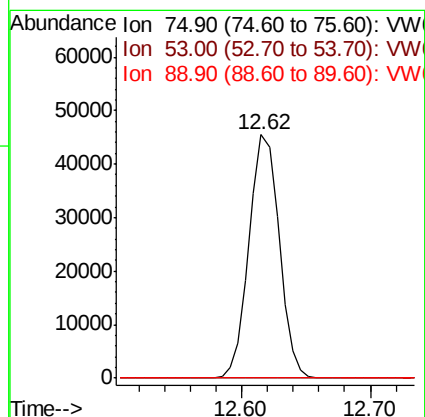
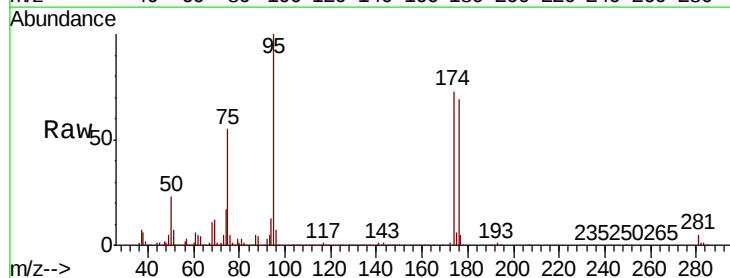
Tgt Ion: 75 Resp: 73792

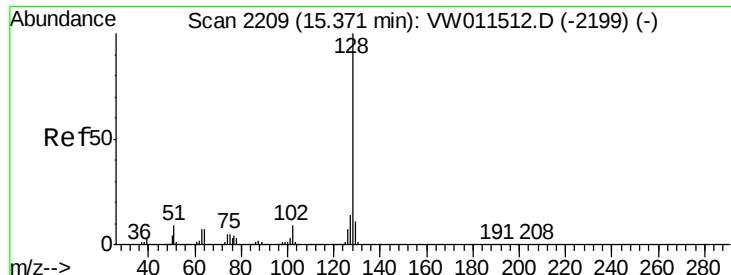
Ion Ratio Lower Upper

75 100

53 0.2 88.0 132.0#

89 0.0 35.3 52.9#





#95

Naphthalene

Concen: 2.121 ug/l

RT: 15.37 min Scan# 2209

Delta R.T. 0.00 min

Lab File: VW011728.D

Acq: 05 Aug 2019 23:24

Instrument :

MSVOA_W

ClientSampleId :

RBR-2000050

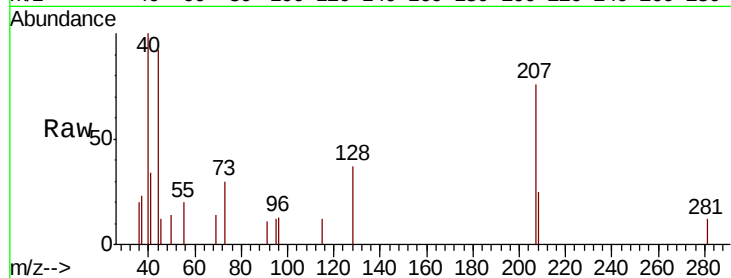
Tgt Ion:128 Resp: 273

Ion Ratio Lower Upper

128 100

127 0.0 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

