

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW080419\
 Data File : VW011658.D
 Acq On : 03 Aug 2019 11:44
 Operator : SY/VA
 Sample : VW0804SBL01
 Misc : 5.00G/5ML/MSVOA_W/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0804SBL01

Quant Time: Aug 04 01:42:05 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	206093	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	349354	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	294876	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	123686	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	129949	54.91	ug/l	0.00
Spiked Amount 50.000			Recovery	=	109.82%	
35) Dibromofluoromethane	7.88	113	106980	54.58	ug/l	0.00
Spiked Amount 50.000			Recovery	=	109.16%	
50) Toluene-d8	10.32	98	433276	53.99	ug/l	0.00
Spiked Amount 50.000			Recovery	=	107.98%	
62) 4-Bromofluorobenzene	12.62	95	141093	49.32	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.64%	

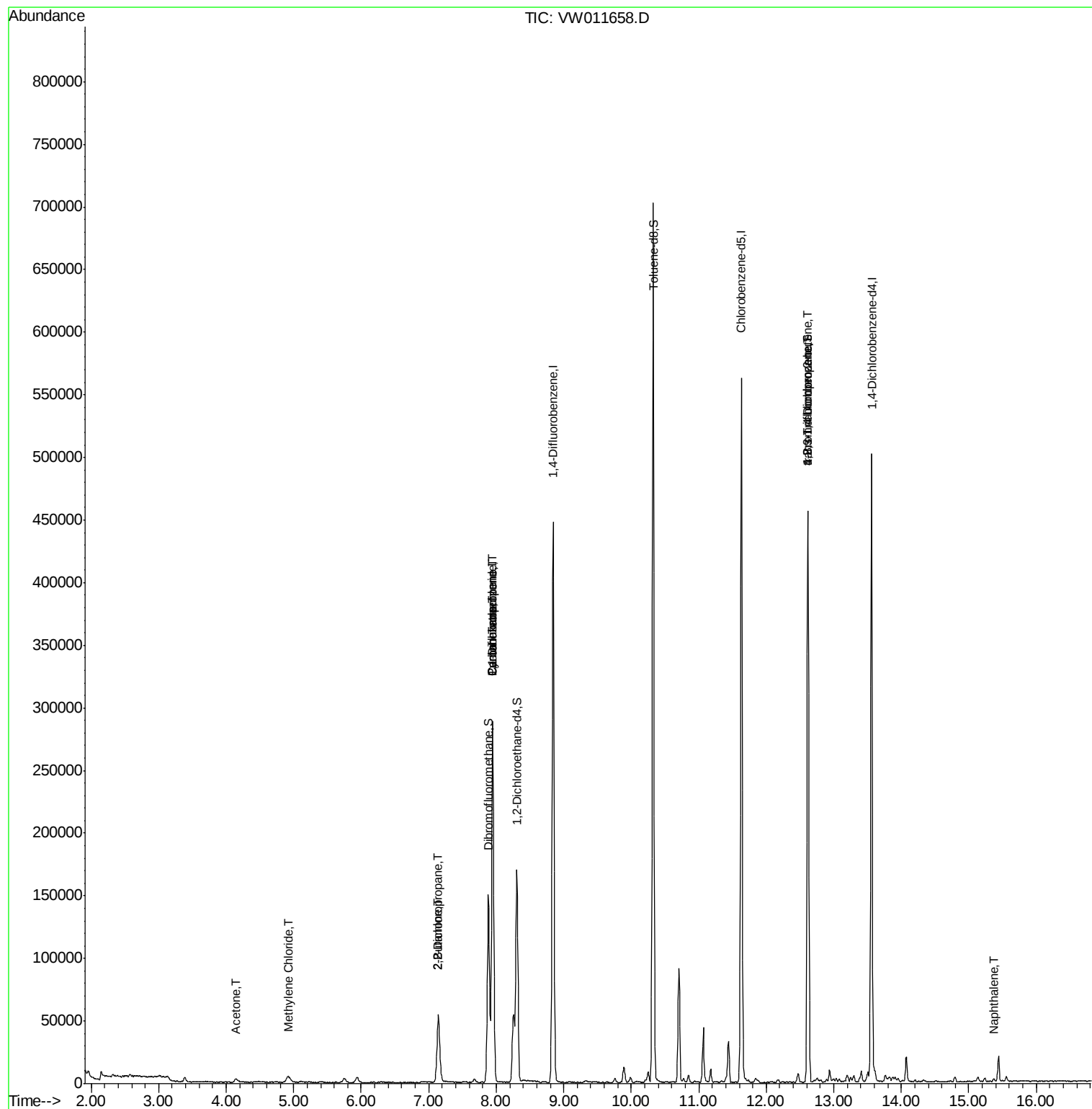
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.19	59	311	Below Cal	#	88
16) Acetone	4.14	43	6736	8.948	ug/l #	85
20) Methylene Chloride	4.92	84	3265	1.258	ug/l #	90
25) 2-Butanone	7.14	43	3460	3.513	ug/l #	86
26) 2,2-Dichloropropane	7.14	77	3776	1.332	ug/l #	54
31) Cyclohexane	7.95	56	5408	1.222	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	18539	5.103	ug/l #	53
38) Carbon Tetrachloride	7.95	117	20929	6.730	ug/l #	17
76) 1,2,3-Trichloropropane	12.62	75	75287	57.526	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	75287	132.578	ug/l #	6
95) Naphthalene	15.37	128	2049	2.468	ug/l #	89

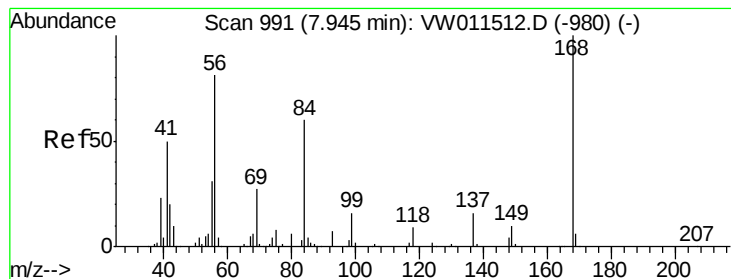
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_W\DATA\VW080419\
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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: VW011658.D

Acq: 03 Aug 2019 11:44

Instrument :

MSVOA_W

ClientSampleId :

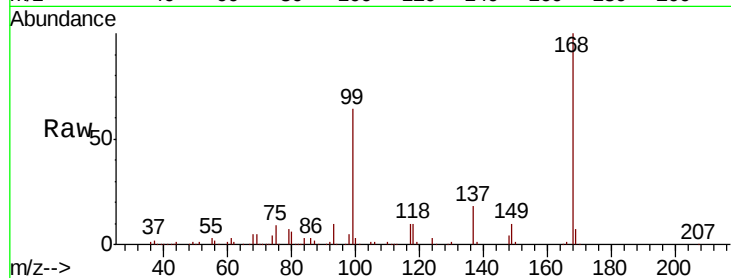
VW0804SBL01

Tgt Ion: 168 Resp: 206093

Ion Ratio Lower Upper

168 100

99 63.7 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

100000

80000

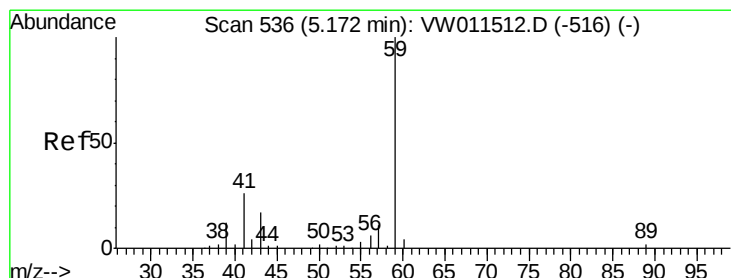
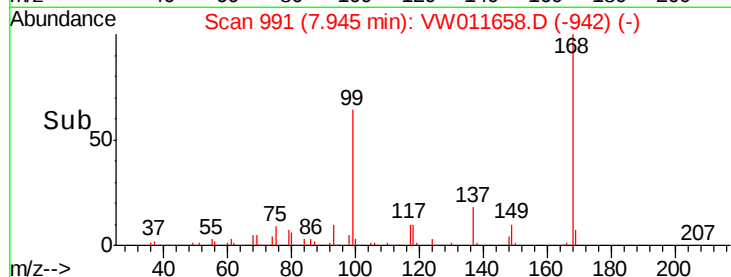
60000

40000

20000

0

Time--> 7.80 7.90 8.00 8.10



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.19 min Scan# 539

Delta R.T. 0.02 min

Lab File: VW011658.D

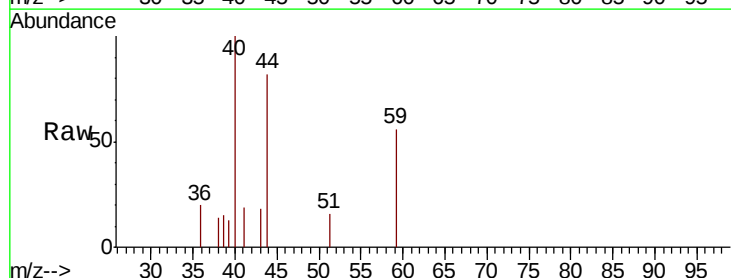
Acq: 03 Aug 2019 11:44

Tgt Ion: 59 Resp: 311

Ion Ratio Lower Upper

59 100

57 6.1 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.19

250

200

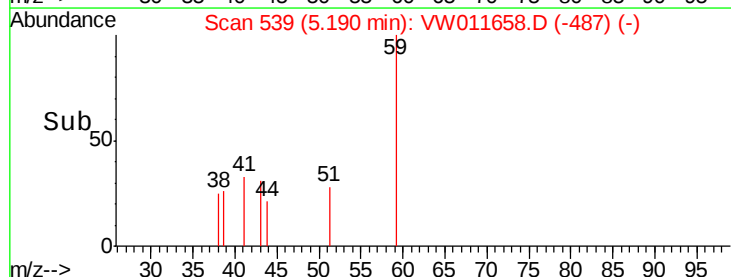
150

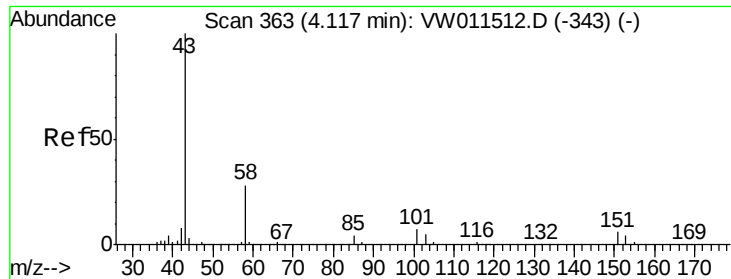
100

50

0

Time--> 5.16 5.18 5.20 5.22





#16

Acetone

Concen: 8.948 ug/l

RT: 4.14 min Scan# 367

Delta R.T. 0.02 min

Lab File: VW011658.D

Acq: 03 Aug 2019 11:44

Instrument :

MSVOA_W

ClientSampleId :

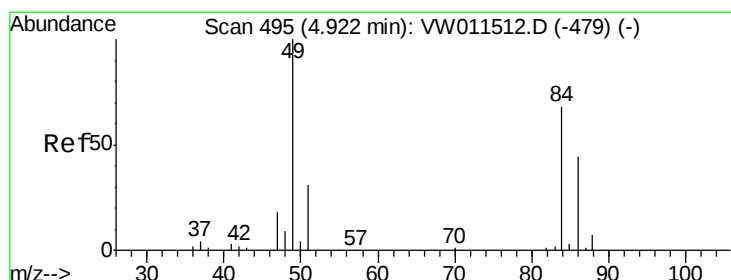
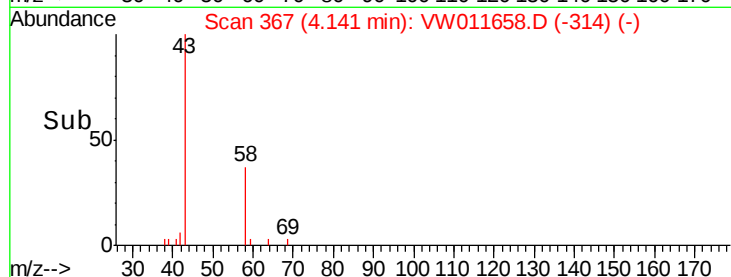
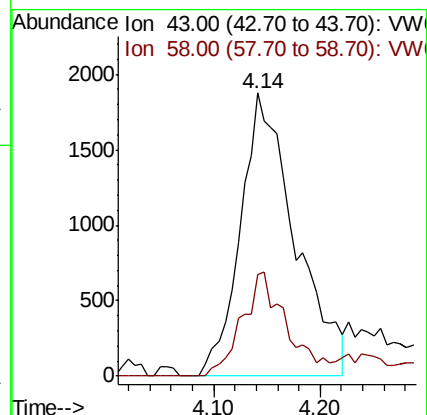
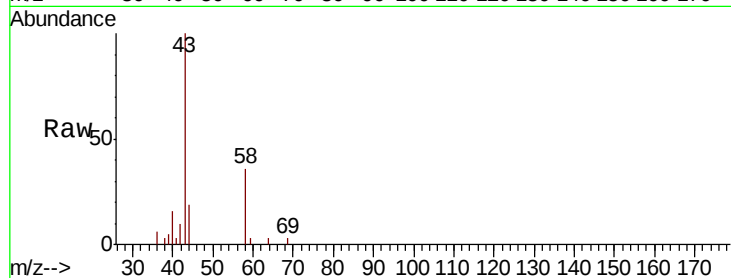
VW0804SBL01

Tgt Ion: 43 Resp: 6736

Ion Ratio Lower Upper

43 100

58 35.9 22.3 33.5#



#20

Methylene Chloride

Concen: 1.258 ug/l

RT: 4.92 min Scan# 495

Delta R.T. -0.00 min

Lab File: VW011658.D

Acq: 03 Aug 2019 11:44

Tgt Ion: 84 Resp: 3265

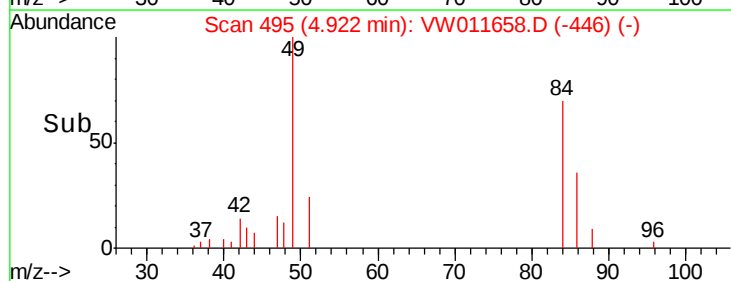
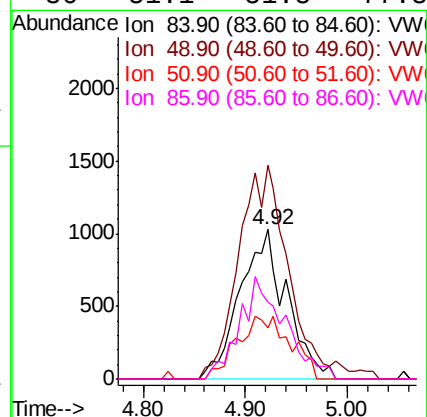
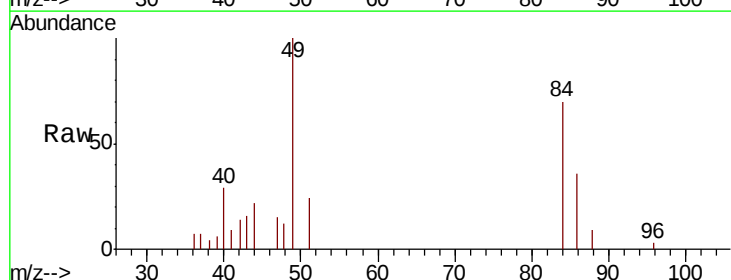
Ion Ratio Lower Upper

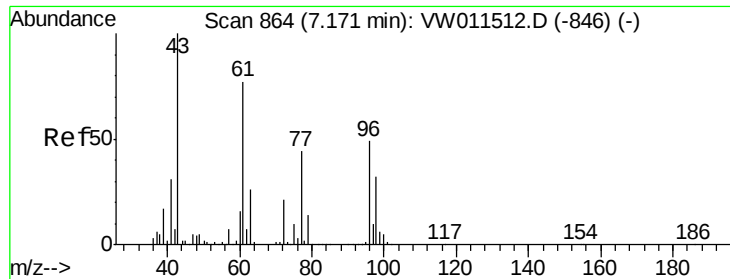
84 100

49 143.0 117.8 176.6

51 34.1 37.0 55.4#

86 51.1 51.8 77.8#





#25

2-Butanone

Concen: 3.513 ug/l

RT: 7.14 min Scan# 859

Delta R.T. -0.03 min

Lab File: VW011658.D

Acq: 03 Aug 2019 11:44

Instrument :

MSVOA_W

ClientSampleId :

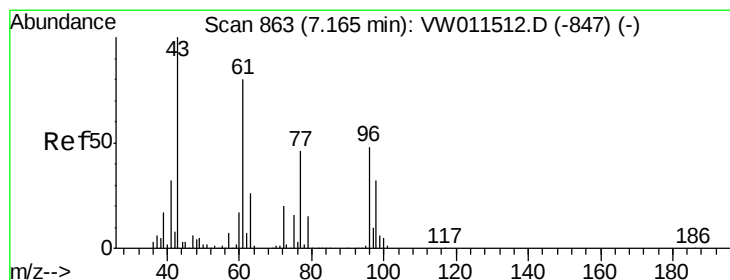
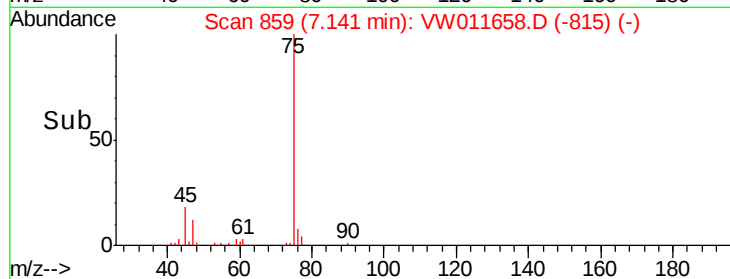
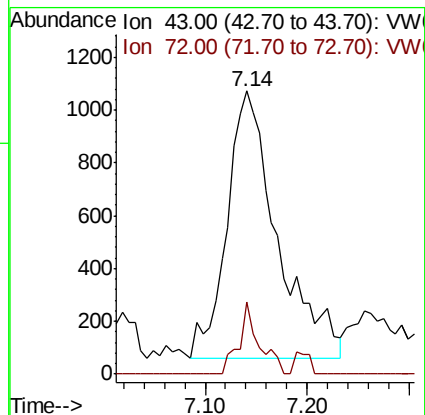
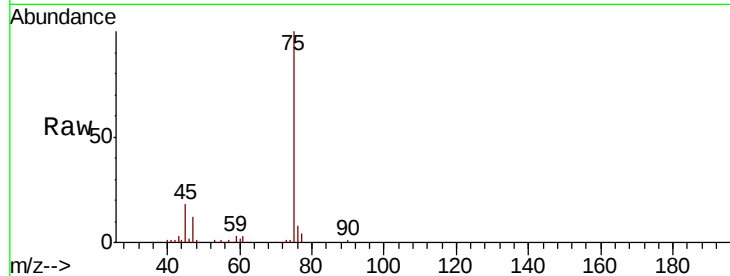
VW0804SBL01

Tgt Ion: 43 Resp: 3460

Ion Ratio Lower Upper

43 100

72 27.1 16.6 24.8#



#26

2,2-Dichloropropane

Concen: 1.332 ug/l

RT: 7.14 min Scan# 859

Delta R.T. -0.02 min

Lab File: VW011658.D

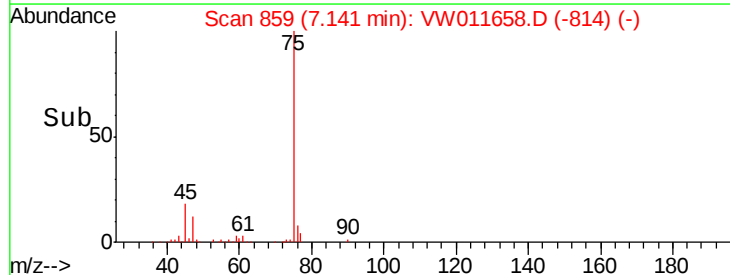
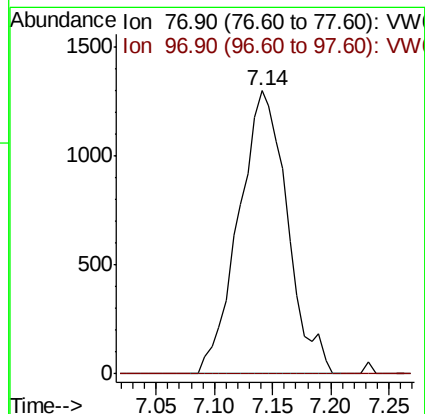
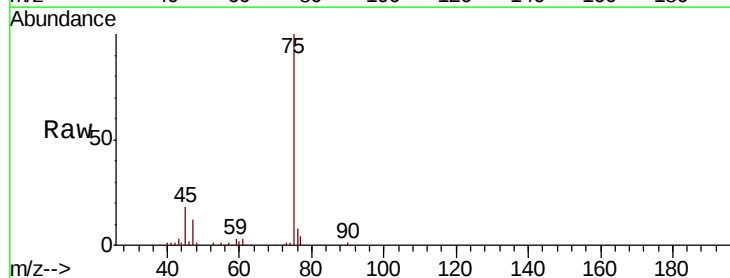
Acq: 03 Aug 2019 11:44

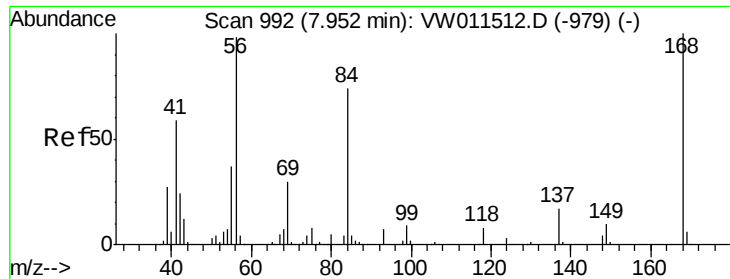
Tgt Ion: 77 Resp: 3776

Ion Ratio Lower Upper

77 100

97 0.0 10.8 32.4#

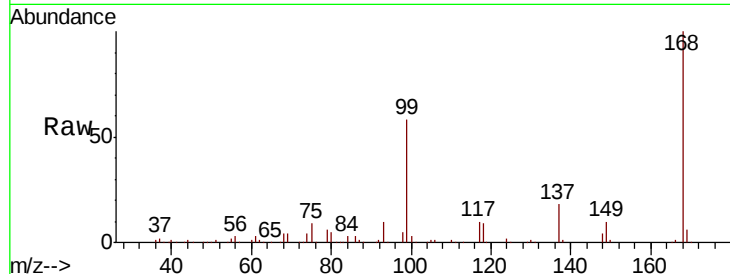




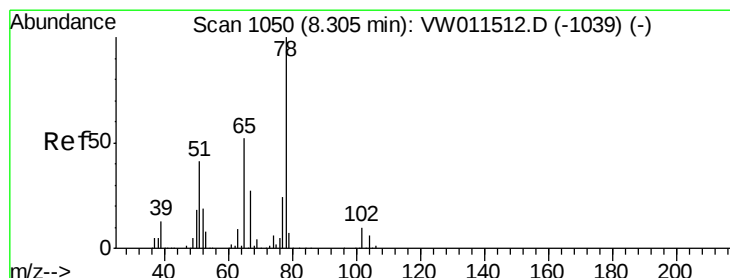
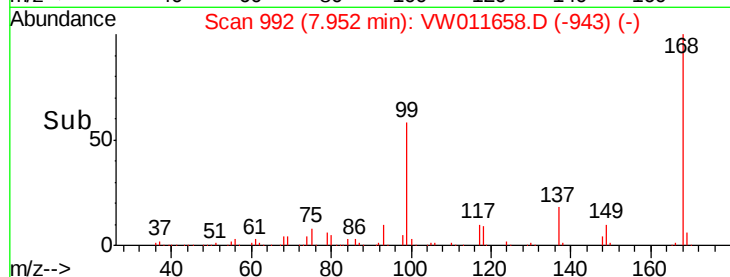
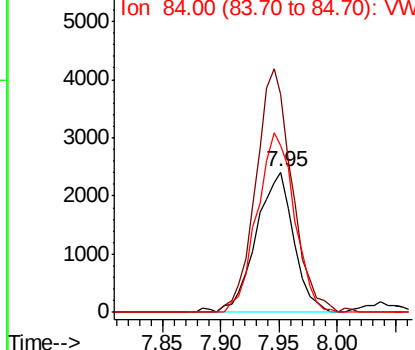
#31
Cyclohexane
Concen: 1.222 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW011658.D
Acq: 03 Aug 2019 11:44

Instrument :
MSVOA_W
ClientSampleId :
VW0804SBL01

Tgt Ion: 56 Resp: 5408
Ion Ratio Lower Upper
56 100
69 155.7 24.3 36.5#
84 118.9 60.4 90.6#

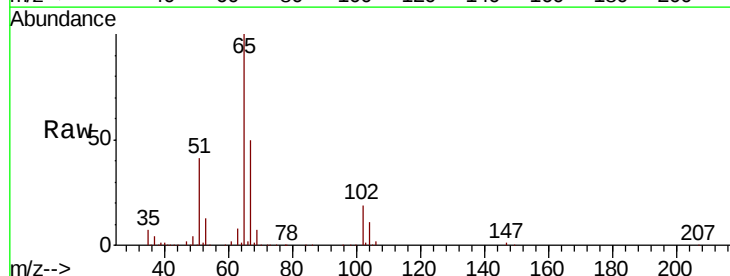


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

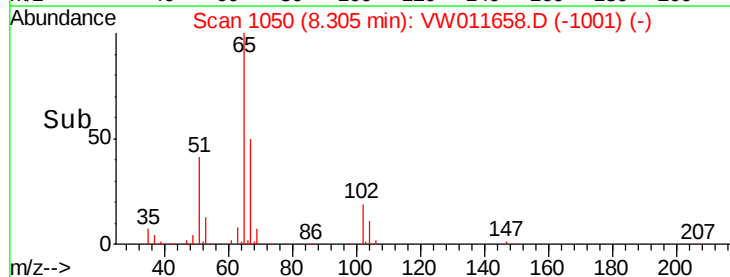
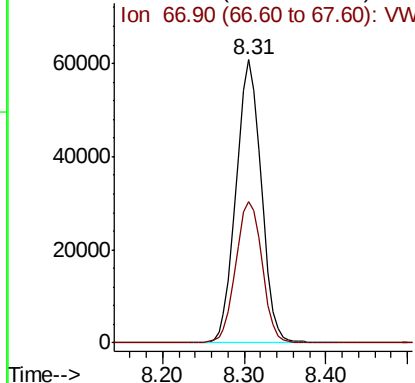


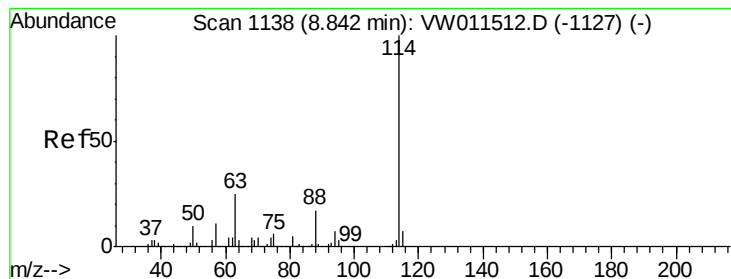
#33
1,2-Dichloroethane-d4
Concen: 54.911 ug/l
RT: 8.31 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VW011658.D
Acq: 03 Aug 2019 11:44

Tgt Ion: 65 Resp: 129949
Ion Ratio Lower Upper
65 100
67 52.1 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: VW011658.D

Acq: 03 Aug 2019 11:44

Instrument :

MSVOA_W

ClientSampleId :

VW0804SBL01

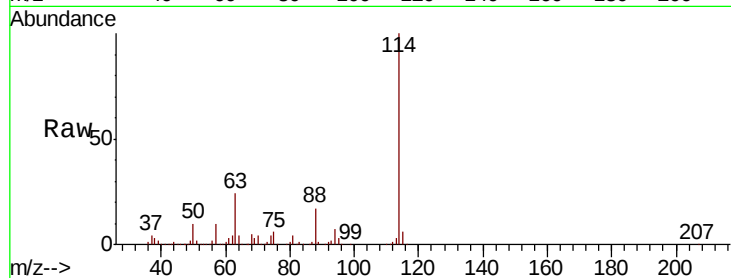
Tgt Ion:114 Resp: 349354

Ion Ratio Lower Upper

114 100

63 23.9 0.0 49.2

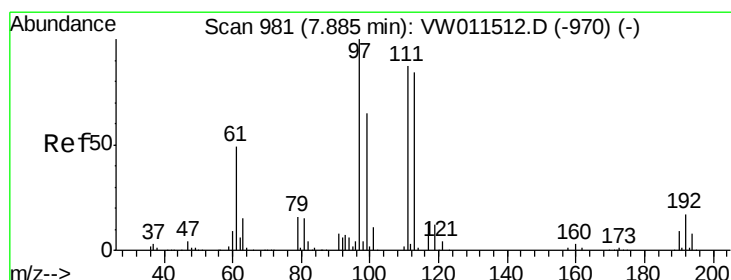
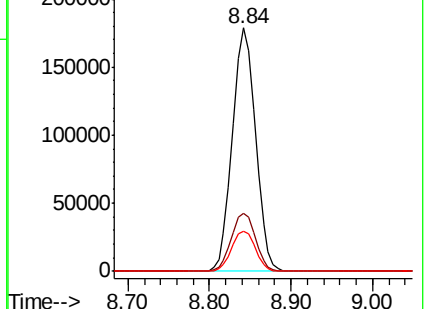
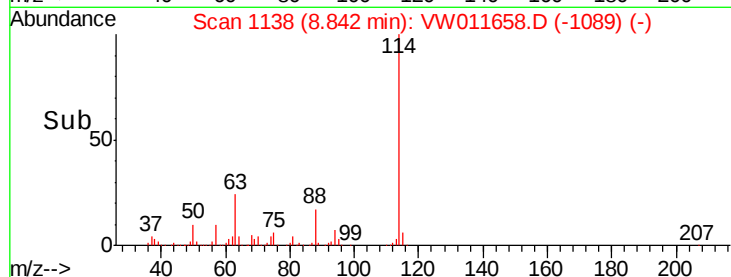
88 16.6 0.0 33.8



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: 54.583 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW011658.D

Acq: 03 Aug 2019 11:44

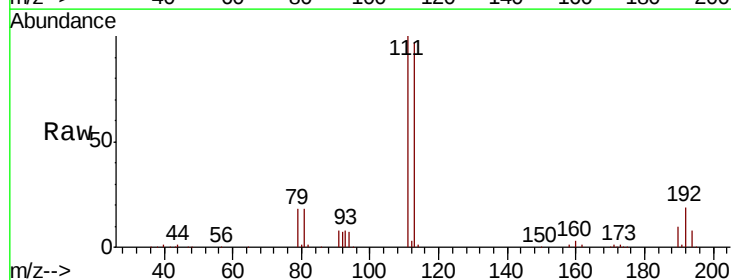
Tgt Ion:113 Resp: 106980

Ion Ratio Lower Upper

113 100

111 103.7 82.7 124.1

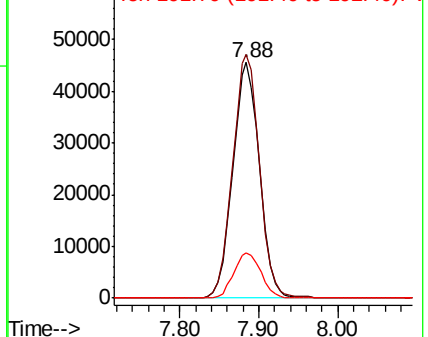
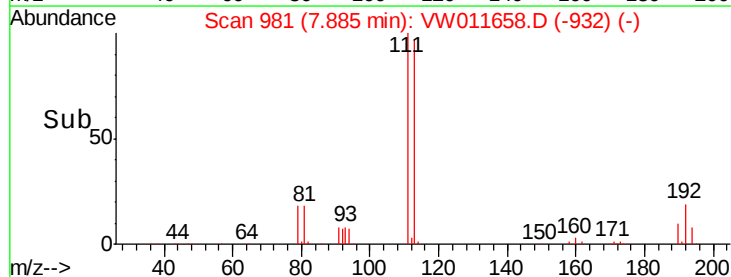
192 19.5 16.1 24.1

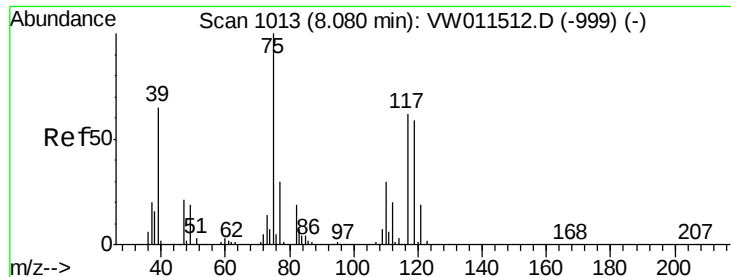


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

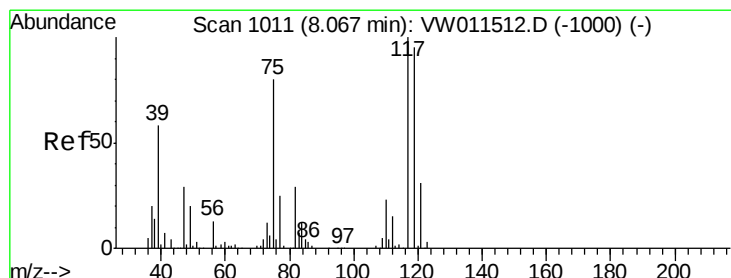
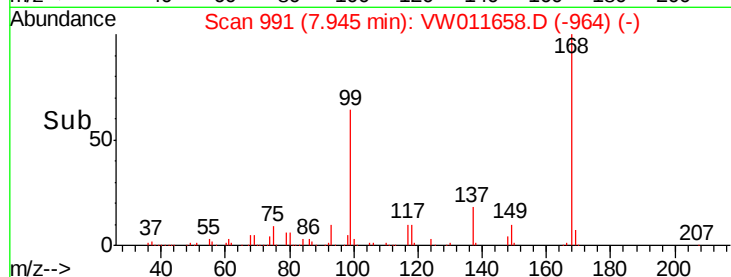
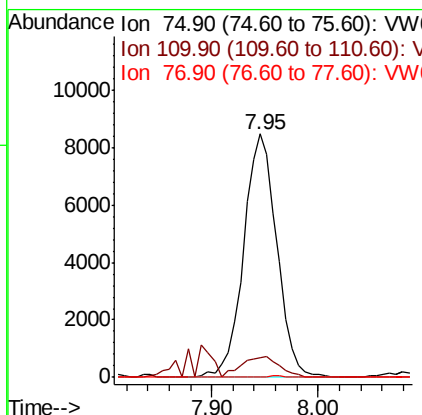
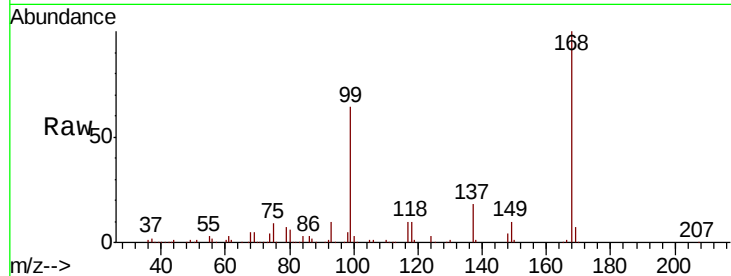




#36
 1,1-Dichloropropene
 Concen: 5.103 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.13 min
 Lab File: VW011658.D
 Acq: 03 Aug 2019 11:44

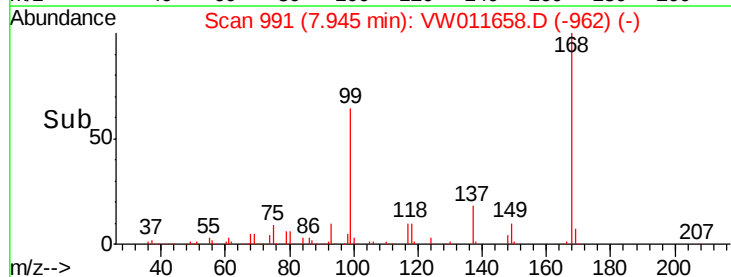
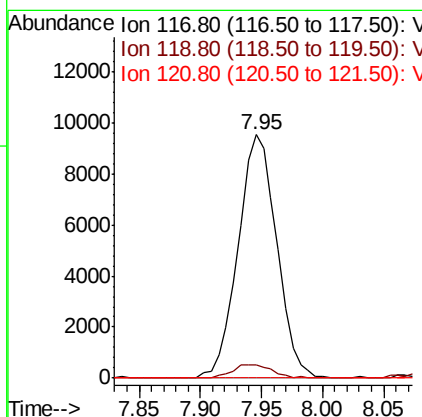
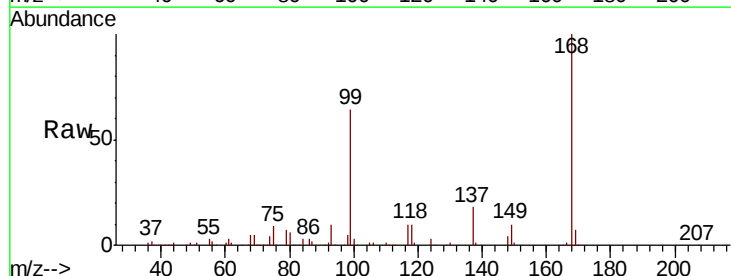
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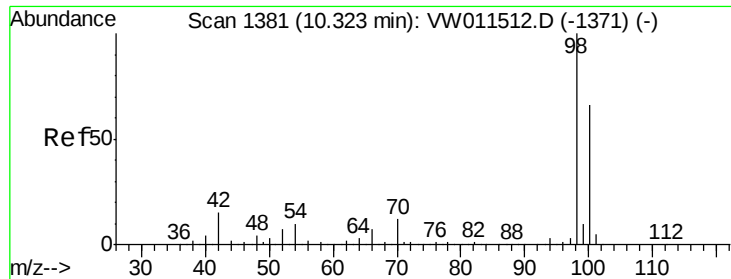
Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.8	15.6	46.8#
77	0.3	24.3	36.5#



#38
 Carbon Tetrachloride
 Concen: 6.730 ug/l
 RT: 7.95 min Scan# 991
 Delta R.T. -0.12 min
 Lab File: VW011658.D
 Acq: 03 Aug 2019 11:44

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.6	75.8	113.6#
121	0.0	24.7	37.1#





#50

Toluene-d8

Concen: 53.994 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW011658.D

Acq: 03 Aug 2019 11:44

Instrument :

MSVOA_W

ClientSampleId :

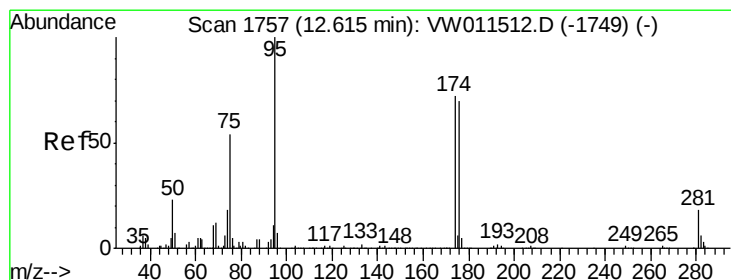
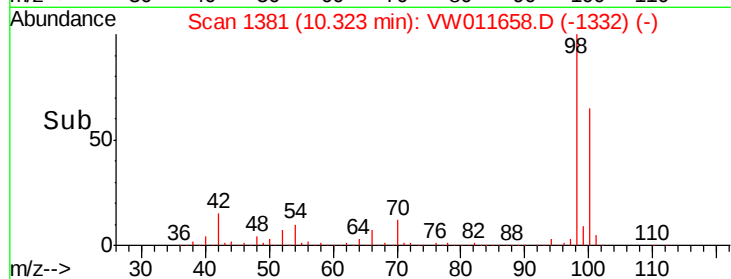
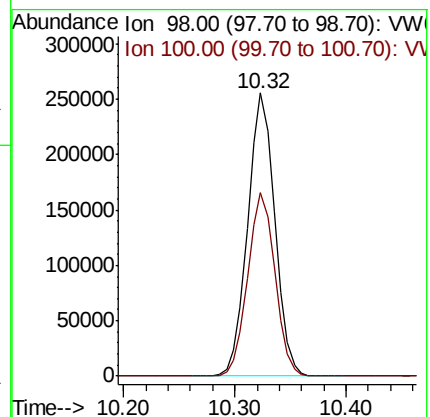
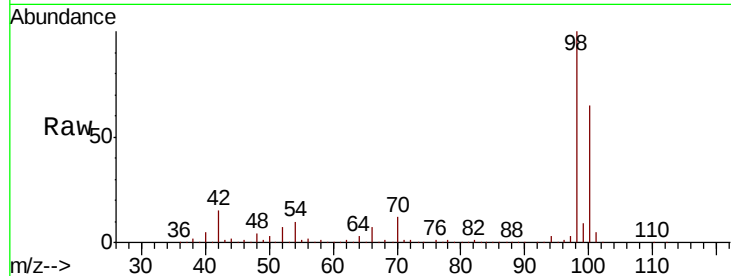
VW0804SBL01

Tgt Ion: 98 Resp: 433276

Ion Ratio Lower Upper

98 100

100 65.2 52.7 79.1



#62

4-Bromofluorobenzene

Concen: 49.317 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW011658.D

Acq: 03 Aug 2019 11:44

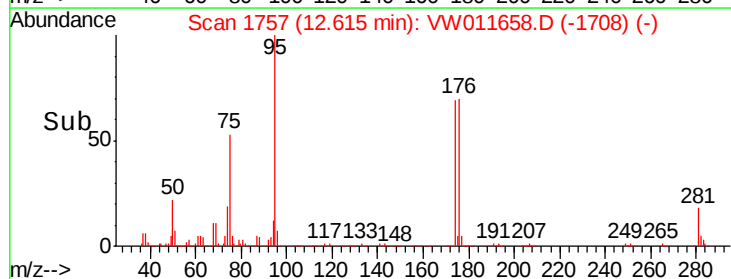
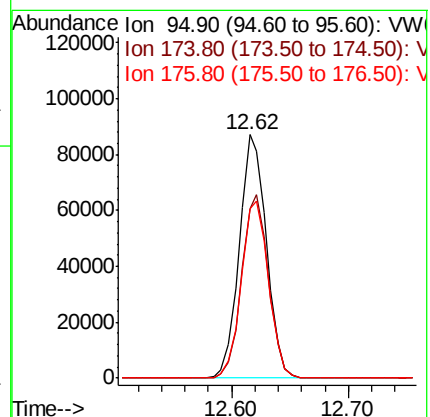
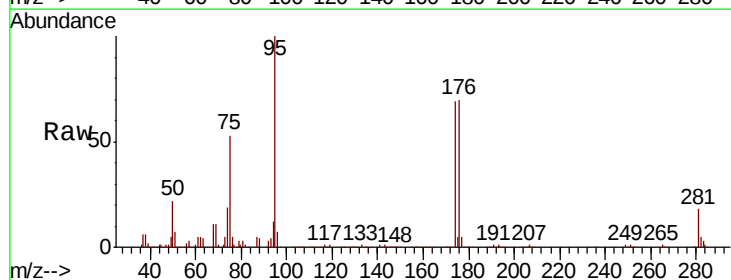
Tgt Ion: 95 Resp: 141093

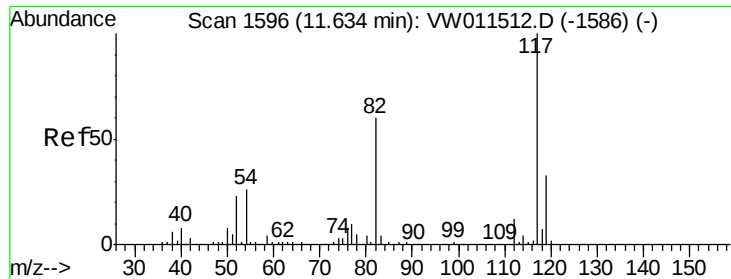
Ion Ratio Lower Upper

95 100

174 74.8 0.0 150.2

176 73.3 0.0 144.4

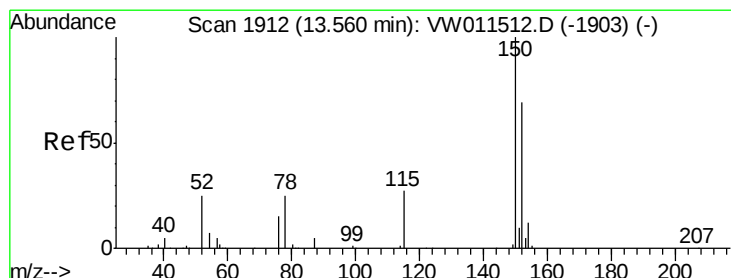
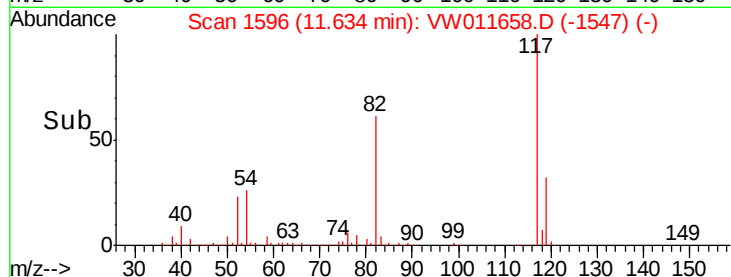
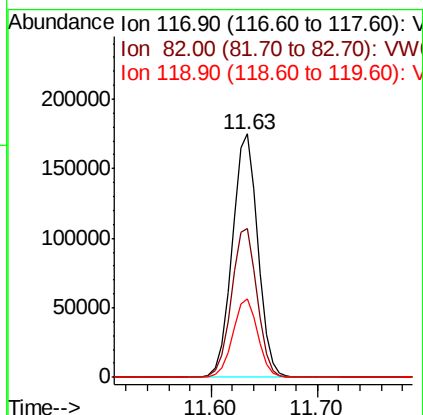
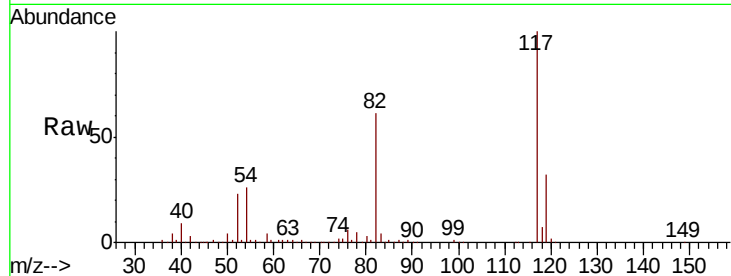




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW011658.D
Acq: 03 Aug 2019 11:44

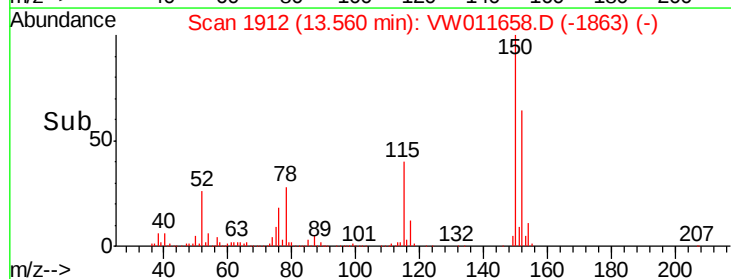
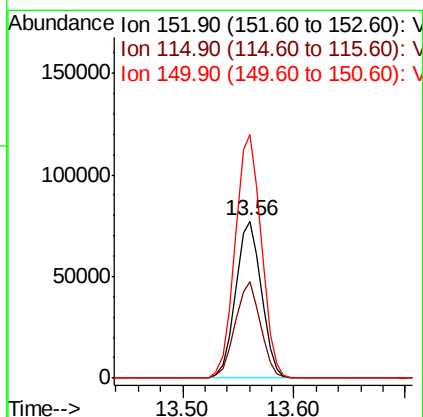
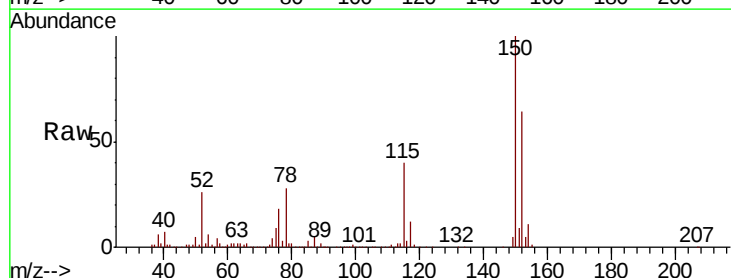
Instrument :
MSVOA_W
ClientSampleId :
VW0804SBL01

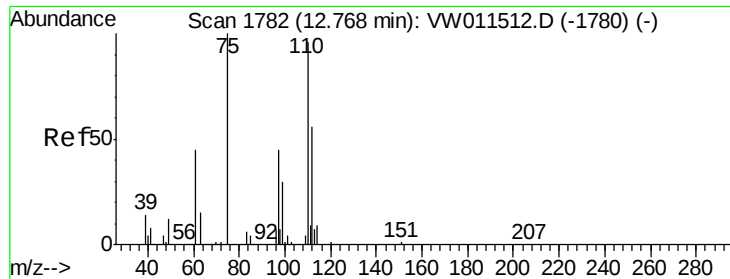
Tgt Ion:117 Resp: 294876
Ion Ratio Lower Upper
117 100
82 61.1 47.9 71.9
119 32.1 26.2 39.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW011658.D
Acq: 03 Aug 2019 11:44

Tgt Ion:152 Resp: 123686
Ion Ratio Lower Upper
152 100
115 60.7 30.5 91.5
150 157.3 0.0 352.6





#76

1,2,3-Trichloropropane

Concen: 57.526 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW011658.D

Acq: 03 Aug 2019 11:44

Instrument :

MSVOA_W

ClientSampled :

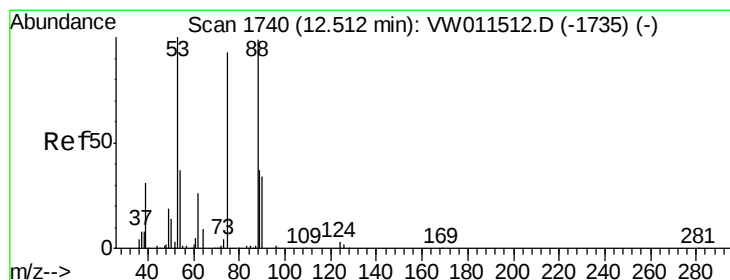
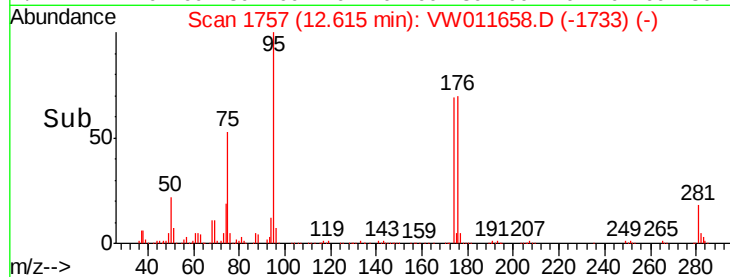
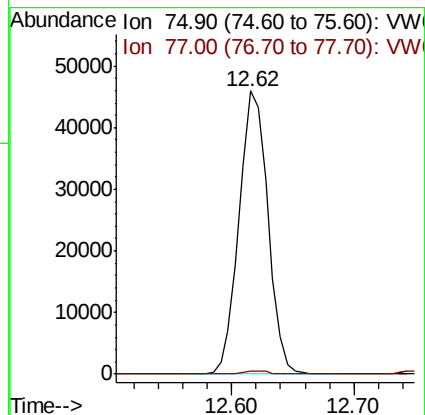
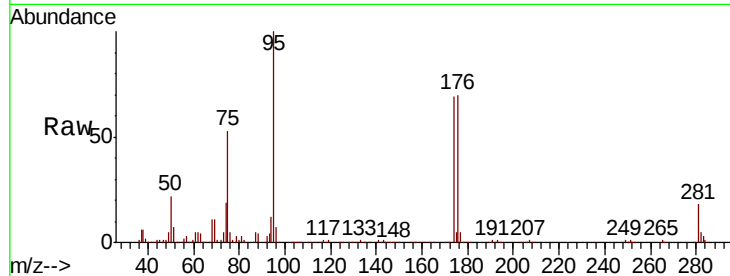
VW0804SBL01

Tgt Ion: 75 Resp: 75287

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 132.578 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW011658.D

Acq: 03 Aug 2019 11:44

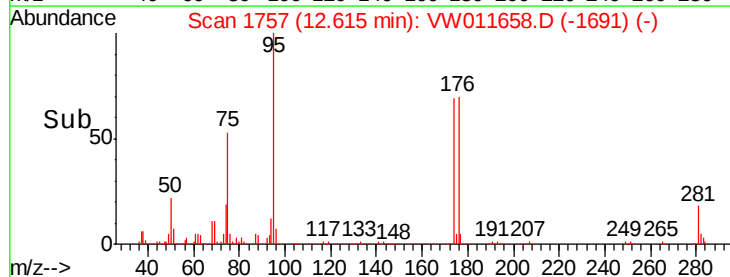
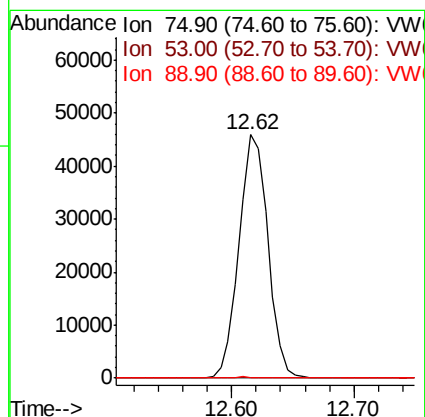
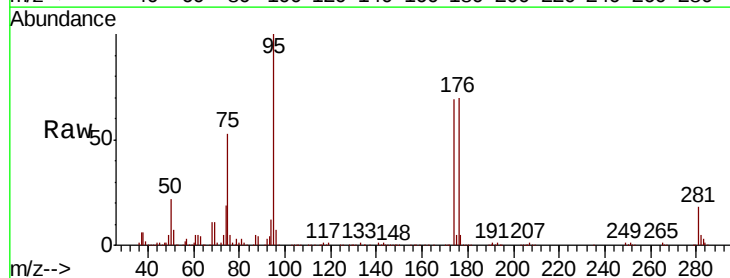
Tgt Ion: 75 Resp: 75287

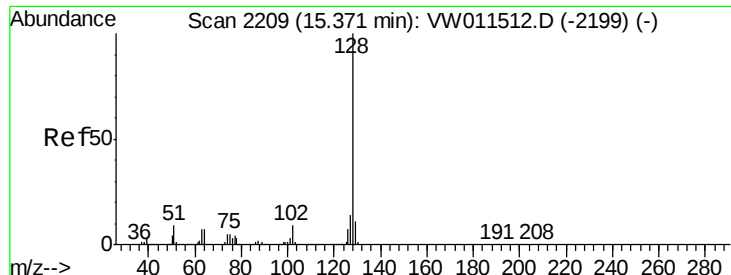
Ion Ratio Lower Upper

75 100

53 0.1 88.0 132.0#

89 0.2 35.3 52.9#





#95
Naphthalene
Concen: 2.468 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW011658.D
Acq: 03 Aug 2019 11:44

Instrument :
MSVOA_W
ClientSampleId :
VW0804SBL01

Tgt Ion:128 Resp: 2049
Ion Ratio Lower Upper
128 100
127 5.5 10.6 16.0#
129 10.9 8.6 13.0

