

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW072019\
 Data File : VW011402.D
 Acq On : 20 Jul 2019 04:23
 Operator : SY/VA
 Sample : K3835-07
 Misc : 5.44G/5ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SB-4(0-2)RE

Quant Time: Jul 20 05:56:57 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W070819S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 11 08:14:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	213050	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	368500	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	304800	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	126136	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	103765	38.76	ug/l	0.00
Spiked Amount			Recovery	=	77.52%	
35) Dibromofluoromethane	7.88	113	81061	36.91	ug/l	0.00
Spiked Amount			Recovery	=	73.82%	
50) Toluene-d8	10.32	98	274669	30.94	ug/l	0.00
Spiked Amount			Recovery	=	61.88%	
62) 4-Bromofluorobenzene	12.62	95	96242	29.57	ug/l	0.00
Spiked Amount			Recovery	=	59.14%	

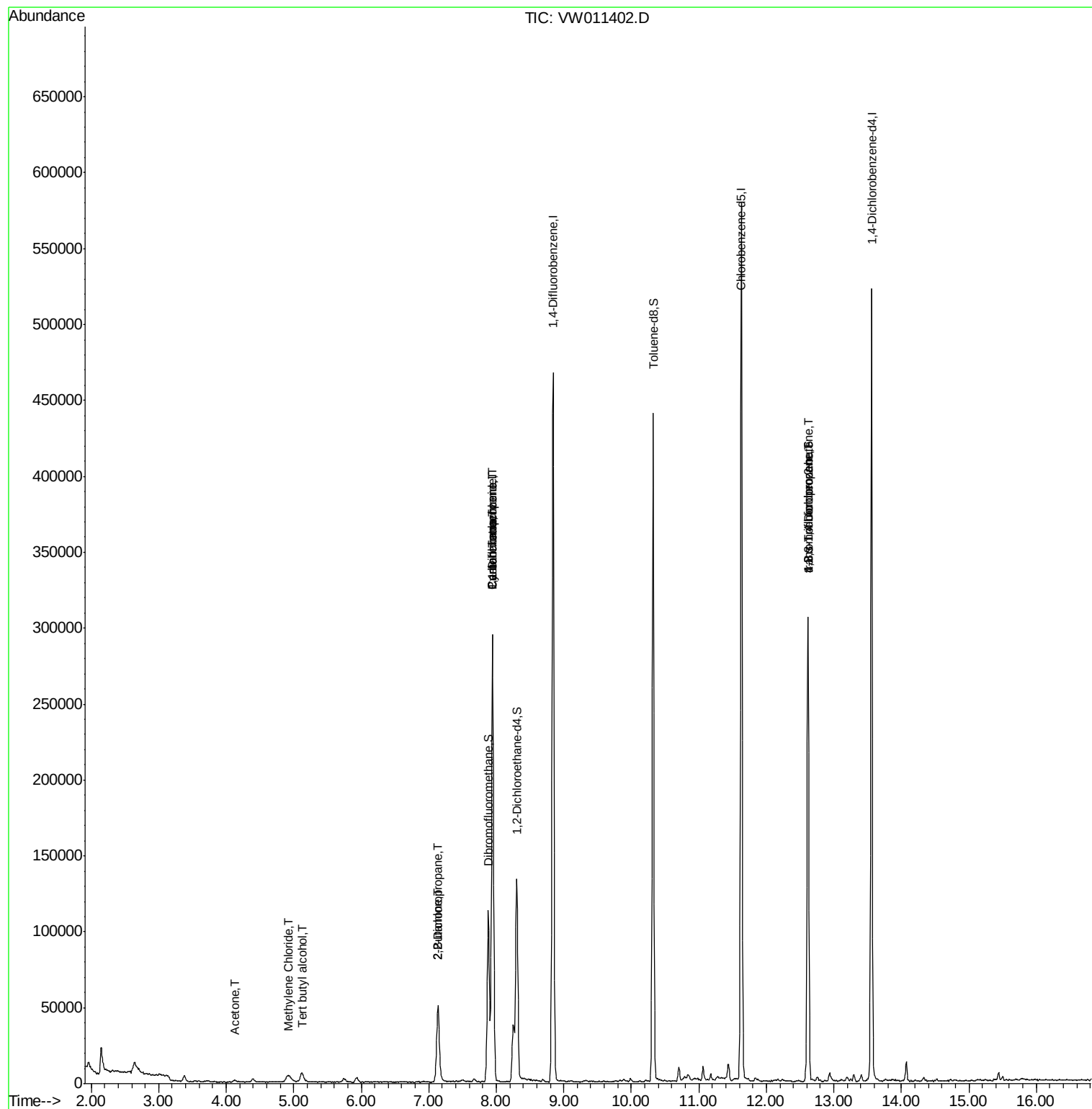
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.12	59	6611	33.355	ug/l #	73
16) Acetone	4.12	43	2686	4.170	ug/l	98
18) Methyl Acetate	4.68	43	973	Below Cal	#	57
20) Methylene Chloride	4.92	84	2680	1.055	ug/l	87
25) 2-Butanone	7.13	43	3458	3.420	ug/l #	76
26) 2,2-Dichloropropane	7.14	77	3708	1.463	ug/l #	53
31) Cyclohexane	7.94	56	5531	1.067	ug/l #	6
36) 1,1-Dichloropropene	7.94	75	18691	4.763	ug/l #	51
38) Carbon Tetrachloride	7.95	117	21586	6.489	ug/l #	15
76) 1,2,3-Trichloropropane	12.62	75	52138	35.768	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	52138	80.901	ug/l #	5

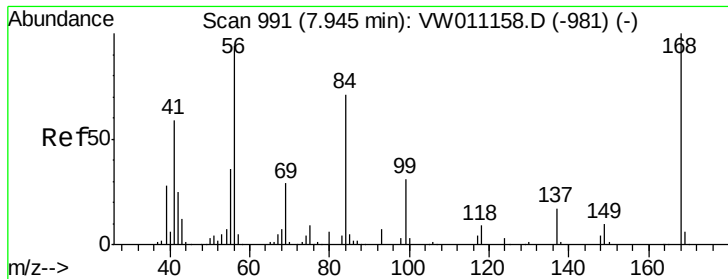
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW011402.D

Acq: 20 Jul 2019 04:23

Instrument :

MSVOA_W

ClientSampleId :

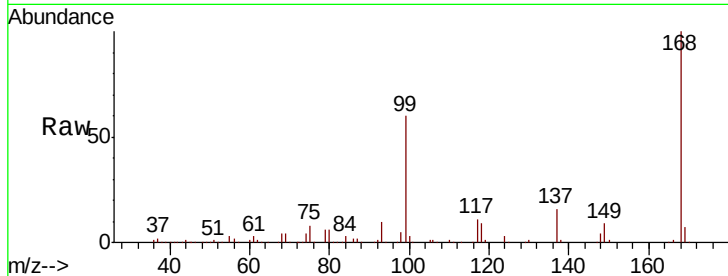
SB-4(0-2)RE

Tot Ion:168 Resp: 213050

Ion Ratio Lower Upper

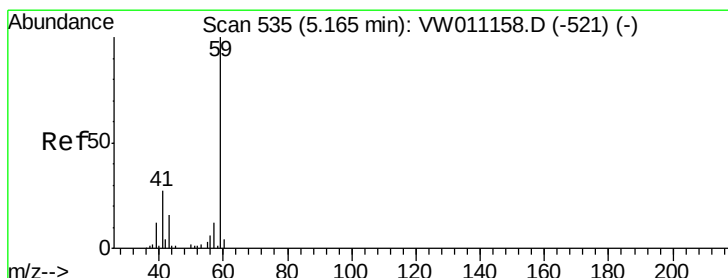
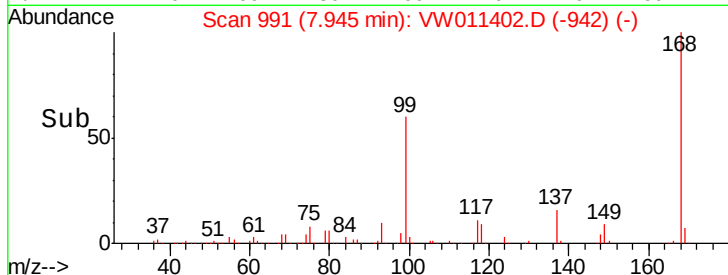
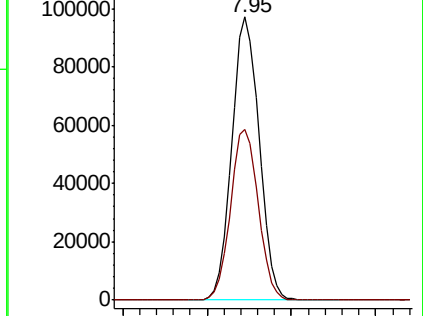
168 100

99 60.2 50.1 75.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#11

Tert butyl alcohol

Concen: 33.355 ug/l

RT: 5.12 min Scan# 528

Delta R.T. -0.04 min

Lab File: VW011402.D

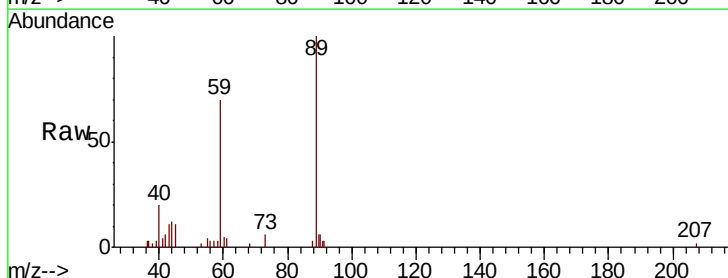
Acq: 20 Jul 2019 04:23

Tgt Ion: 59 Resp: 6611

Ion Ratio Lower Upper

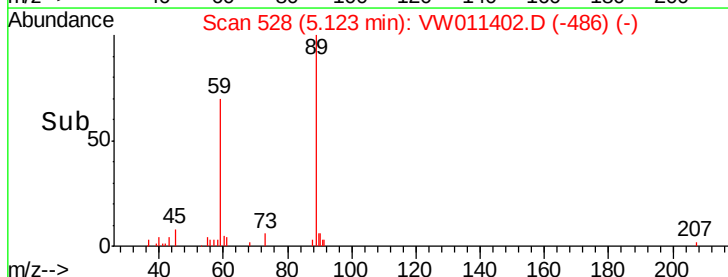
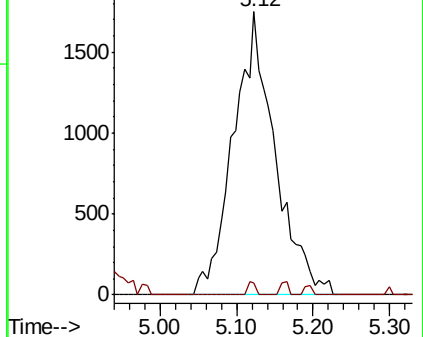
59 100

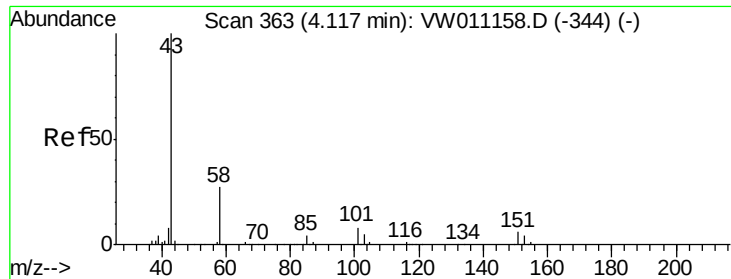
57 0.9 9.0 13.6#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#16

Acetone

Concen: 4.170 ug/l

RT: 4.12 min Scan# 364

Delta R.T. 0.01 min

Lab File: VW011402.D

Acq: 20 Jul 2019 04:23

Instrument :

MSVOA_W

ClientSampleId :

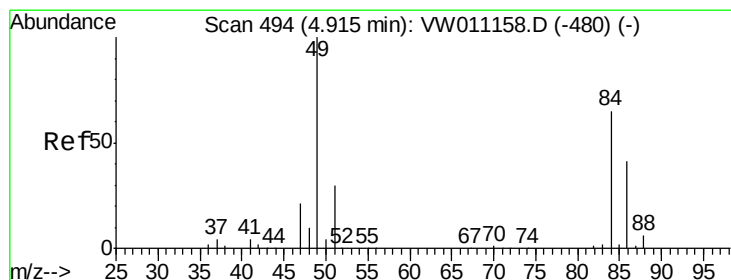
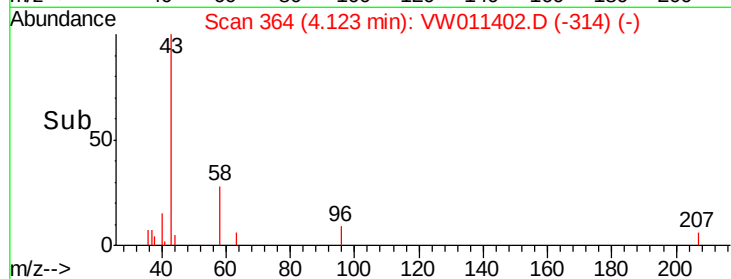
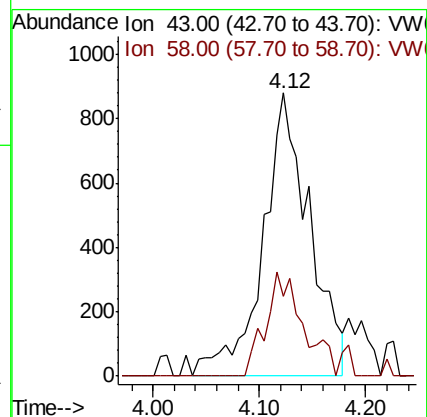
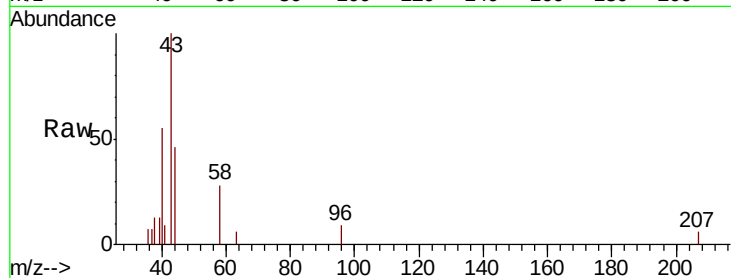
SB-4(0-2)RE

Tot Ion: 43 Resp: 2686

Ion Ratio Lower Upper

43 100

58 28.1 21.8 32.6



#20

Methylene Chloride

Concen: 1.055 ug/l

RT: 4.92 min Scan# 495

Delta R.T. 0.01 min

Lab File: VW011402.D

Acq: 20 Jul 2019 04:23

Tgt Ion: 84 Resp: 2680

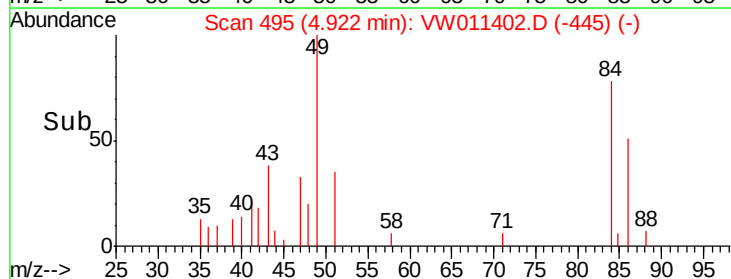
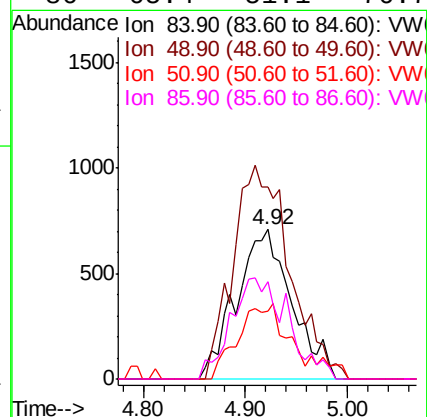
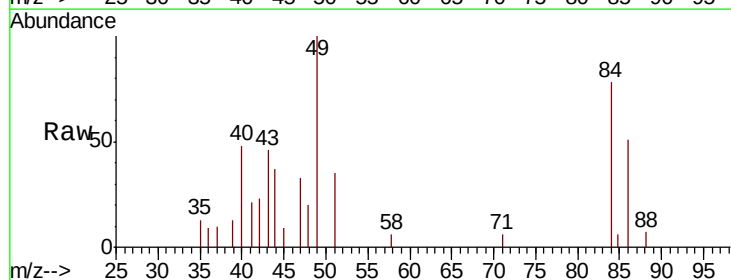
Ion Ratio Lower Upper

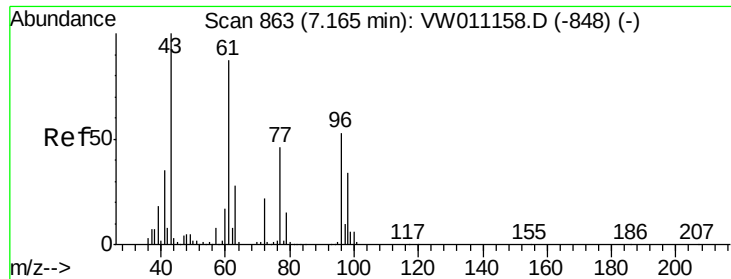
84 100

49 128.3 123.8 185.6

51 45.6 37.4 56.2

86 65.4 51.1 76.7





#25

2-Butanone

Concen: 3.420 ug/l

RT: 7.13 min Scan# 858

Delta R.T. -0.03 min

Lab File: VW011402.D

Acq: 20 Jul 2019 04:23

Instrument :

MSVOA_W

ClientSampleId :

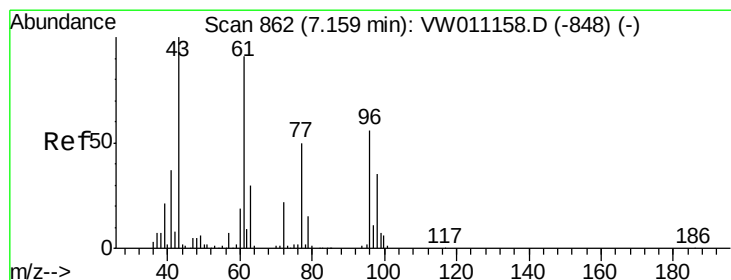
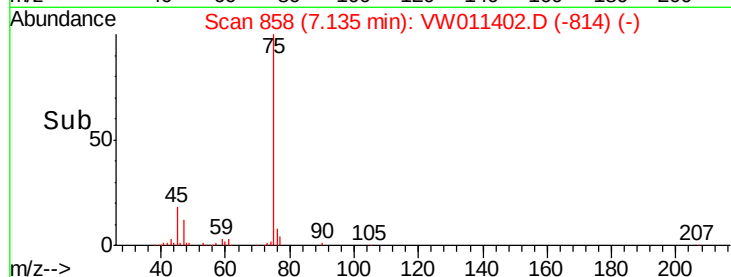
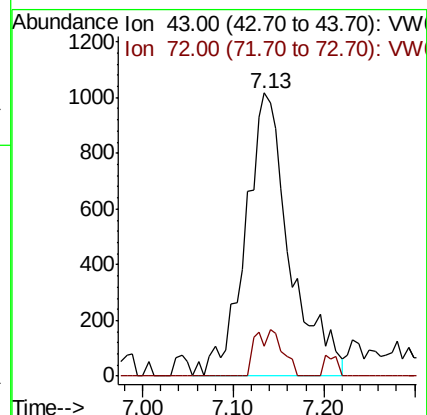
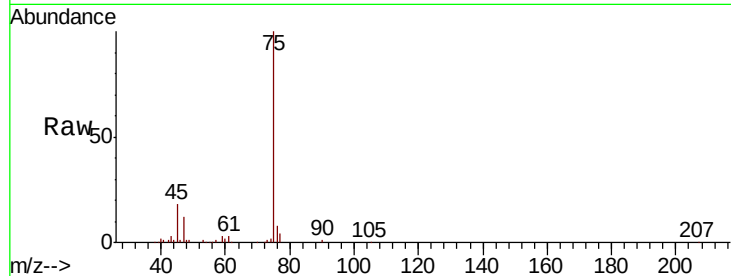
SB-4(0-2)RE

Tot Ion: 43 Resp: 3458

Ion Ratio Lower Upper

43 100

72 10.4 17.6 26.4#



#26

2,2-Dichloropropane

Concen: 1.463 ug/l

RT: 7.14 min Scan# 859

Delta R.T. -0.02 min

Lab File: VW011402.D

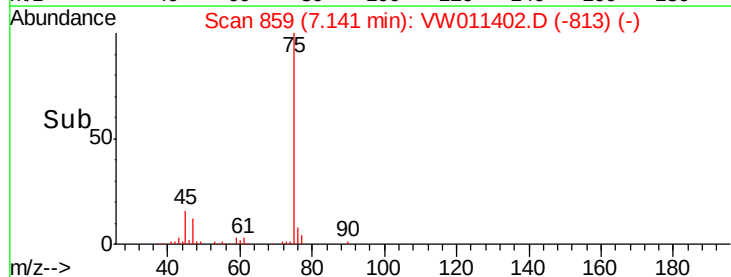
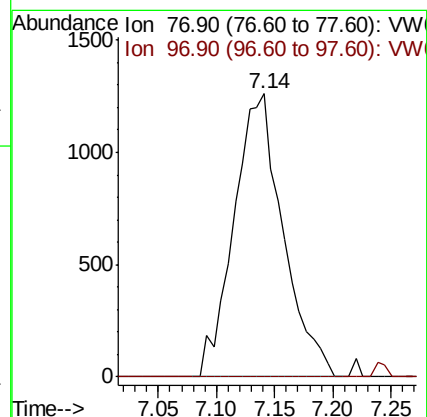
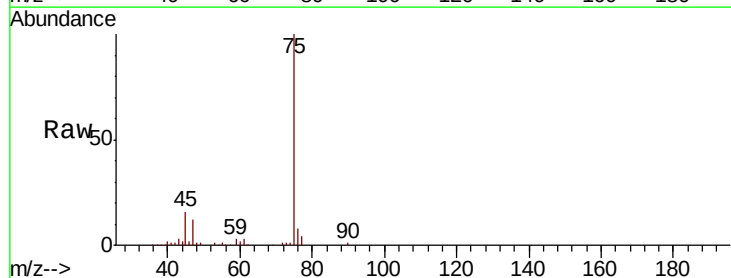
Acq: 20 Jul 2019 04:23

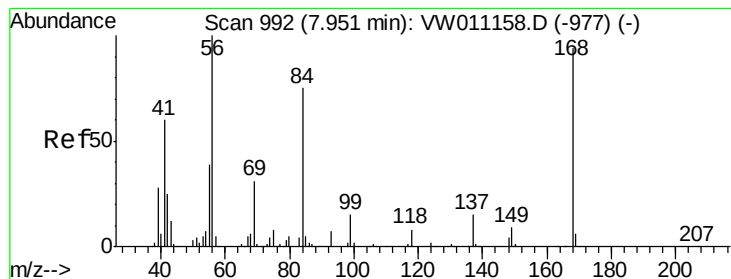
Tgt Ion: 77 Resp: 3708

Ion Ratio Lower Upper

77 100

97 0.0 11.2 33.5#





#31

Cyclohexane

Concen: 1.067 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.01 min

Lab File: VW011402.D

Acq: 20 Jul 2019 04:23

Instrument :

MSVOA_W

ClientSampled :

SB-4(0-2)RE

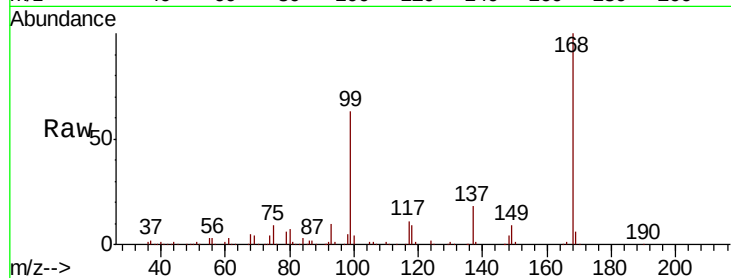
Tot Ion: 56 Resp: 5531

Ion Ratio Lower Upper

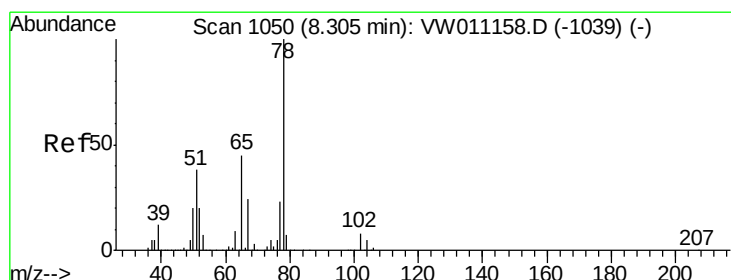
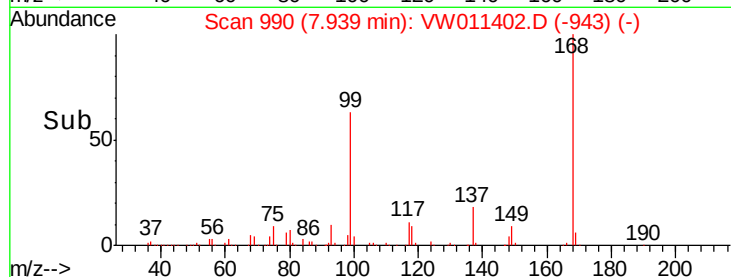
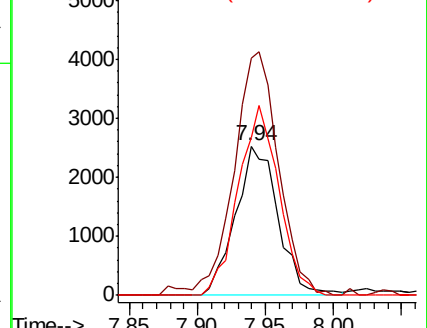
56 100

69 159.4 24.6 36.8#

84 106.1 60.1 90.1#



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: 38.761 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW011402.D

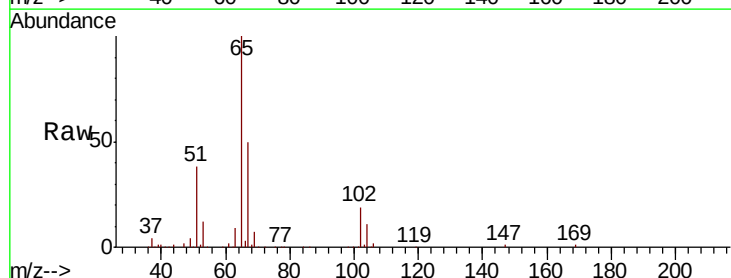
Acq: 20 Jul 2019 04:23

Tgt Ion: 65 Resp: 103765

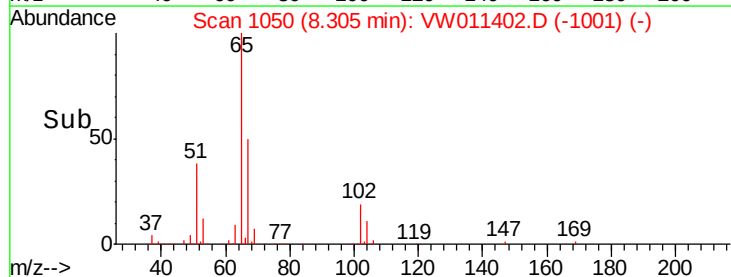
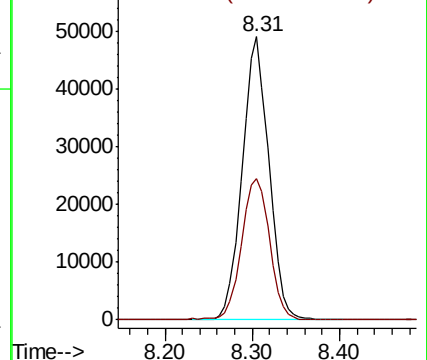
Ion Ratio Lower Upper

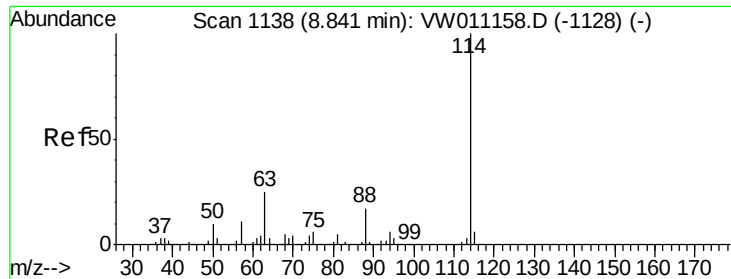
65 100

67 52.8 0.0 104.4



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

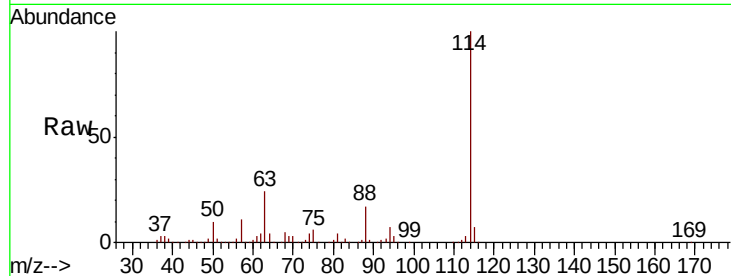




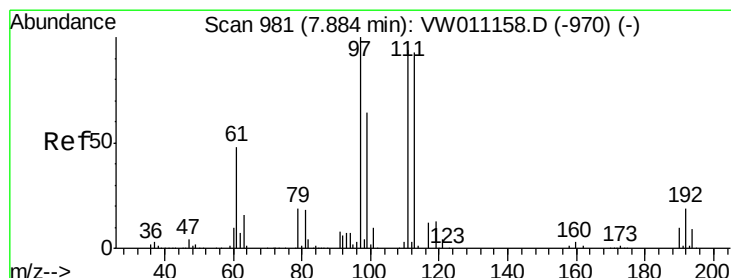
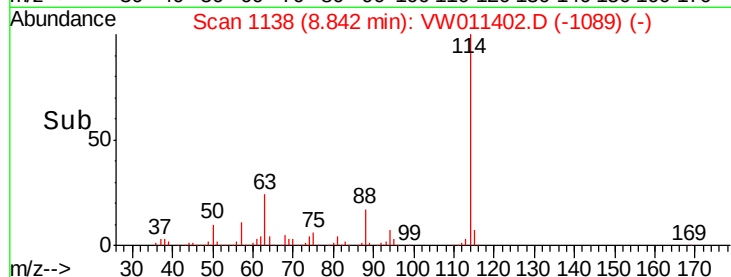
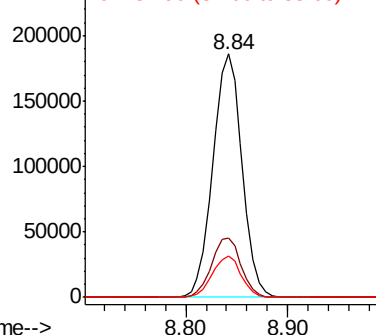
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.84 min Scan# 1138
Delta R.T. 0.00 min
Lab File: VW011402.D
Acq: 20 Jul 2019 04:23

Instrument :
MSVOA_W
ClientSampleId :
SB-4(0-2)RE

Tot Ion	Ratio	Lower	Upper
114	100		
63	24.3	0.0	50.8
88	16.9	0.0	34.2

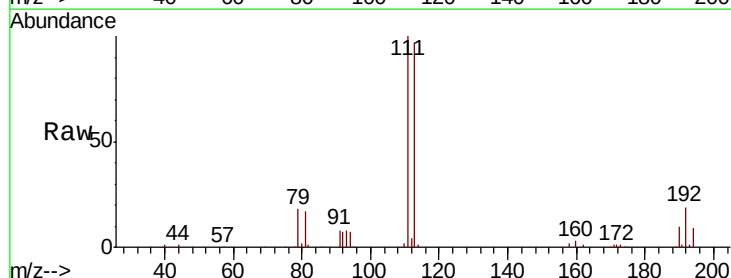


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VW
Ion 87.90 (87.60 to 88.60): VW

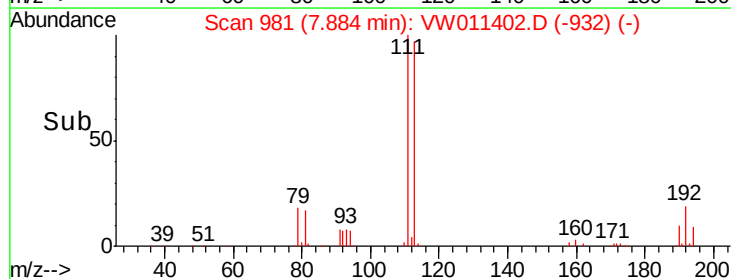
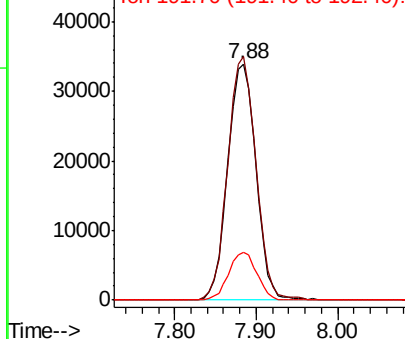


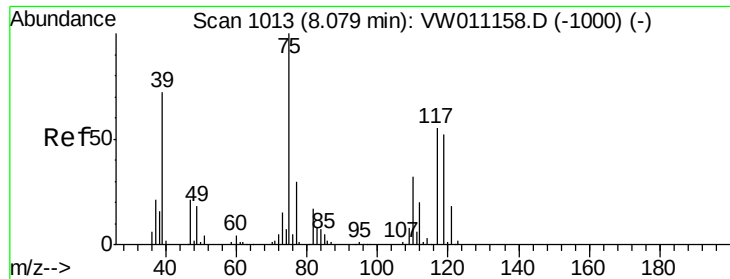
#35
Dibromofluoromethane
Concen: 36.906 ug/l
RT: 7.88 min Scan# 981
Delta R.T. 0.00 min
Lab File: VW011402.D
Acq: 20 Jul 2019 04:23

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.5	82.4	123.6
192	19.9	15.8	23.8



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: 4.763 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.14 min

Lab File: VW011402.D

Acq: 20 Jul 2019 04:23

Instrument :

MSVOA_W

ClientSampleId :

SB-4(0-2)RE

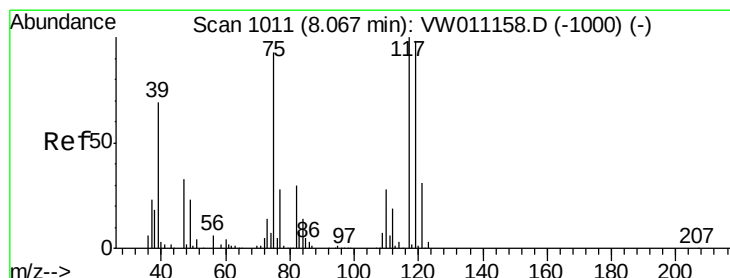
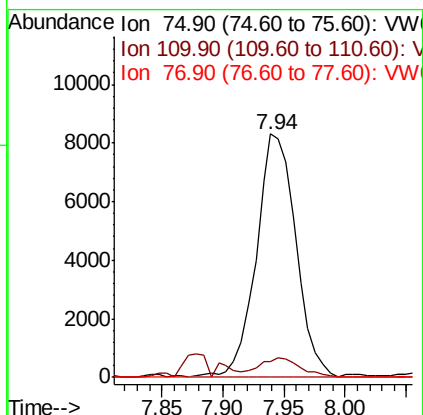
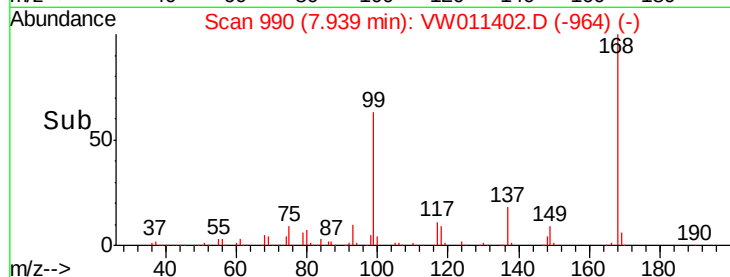
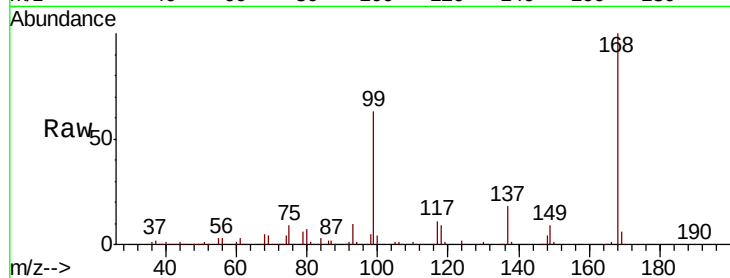
Tot Ion: 75 Resp: 18691

Ion Ratio Lower Upper

75 100

110 8.4 15.9 47.6#

77 0.0 24.6 36.8#



#38

Carbon Tetrachloride

Concen: 6.489 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW011402.D

Acq: 20 Jul 2019 04:23

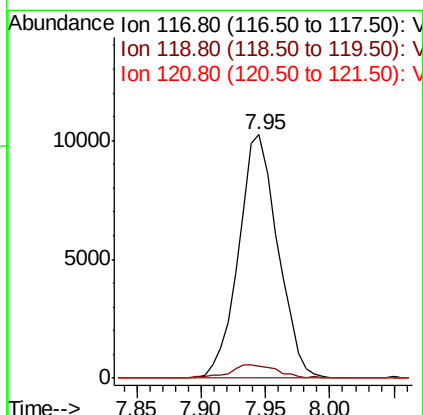
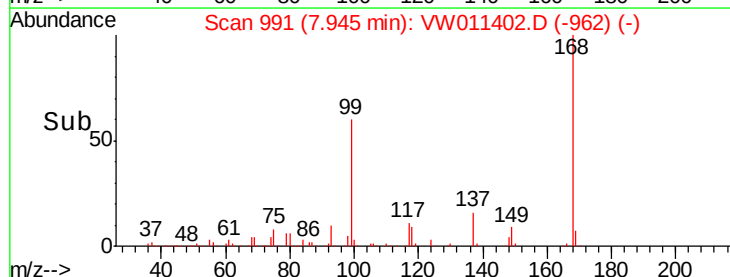
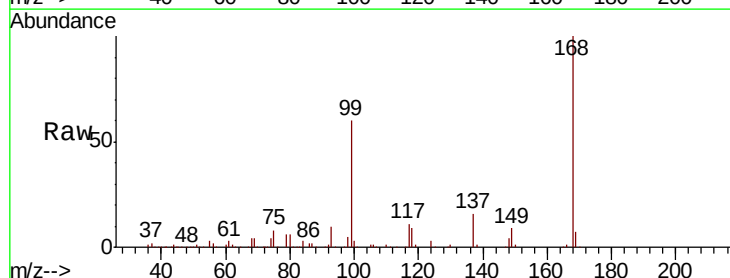
Tgt Ion: 117 Resp: 21586

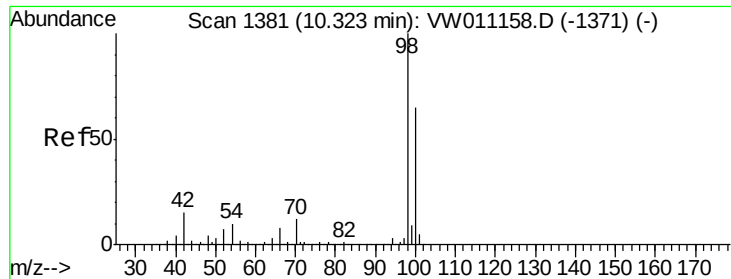
Ion Ratio Lower Upper

117 100

119 5.0 78.1 117.1#

121 0.0 25.1 37.7#





#50

Toluene-d8

Concen: 30.937 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW011402.D

Acq: 20 Jul 2019 04:23

Instrument :

MSVOA_W

ClientSampleId :

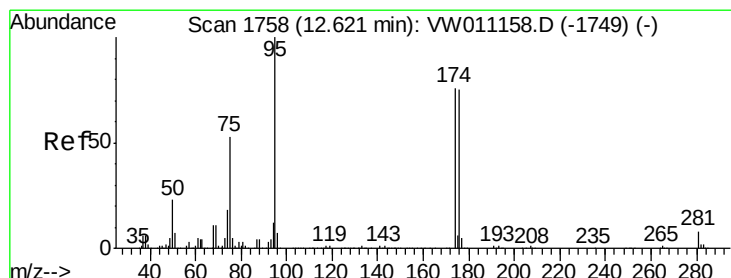
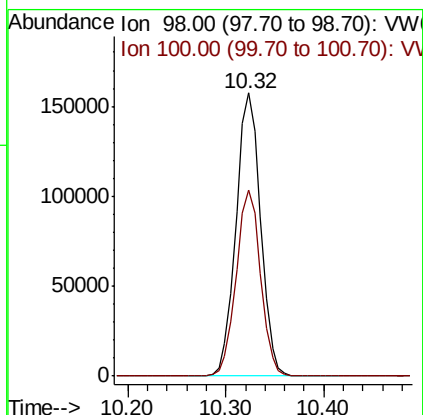
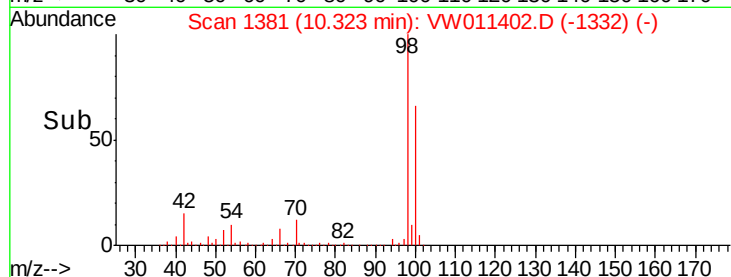
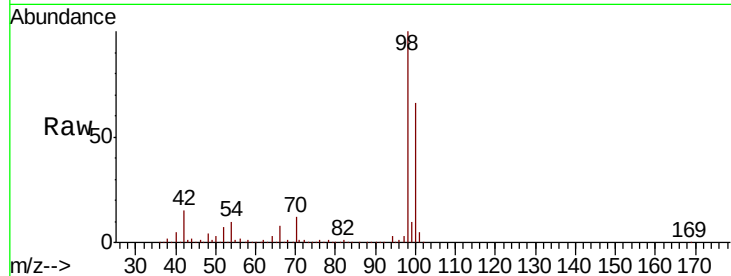
SB-4(0-2)RE

Tot Ion: 98 Resp: 274669

Ion Ratio Lower Upper

98 100

100 65.0 52.4 78.6



#62

4-Bromofluorobenzene

Concen: 29.575 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW011402.D

Acq: 20 Jul 2019 04:23

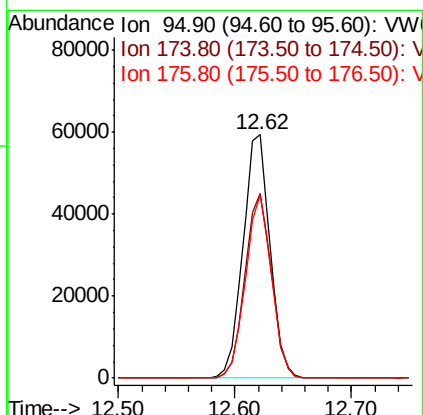
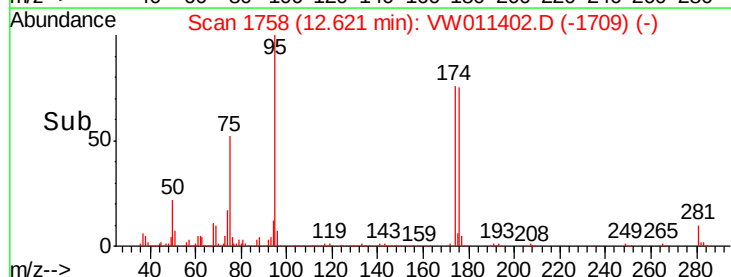
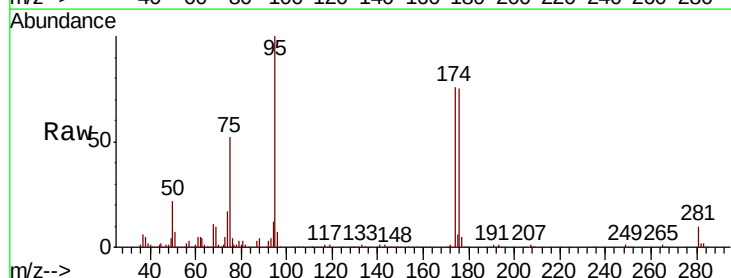
Tgt Ion: 95 Resp: 96242

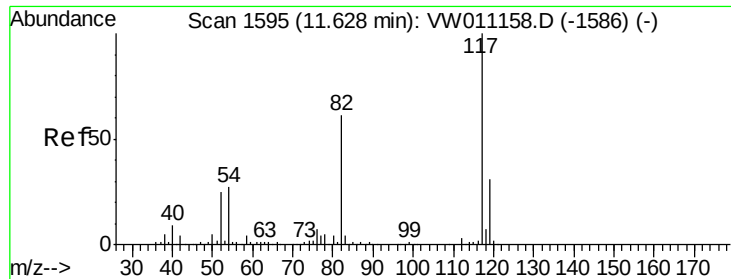
Ion Ratio Lower Upper

95 100

174 75.1 0.0 147.6

176 72.7 0.0 144.6

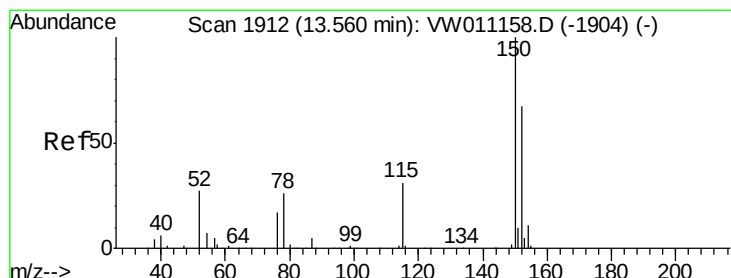
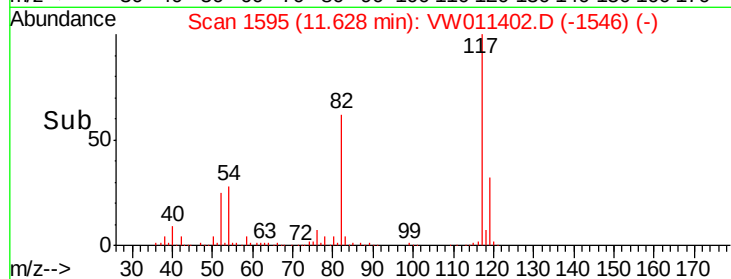
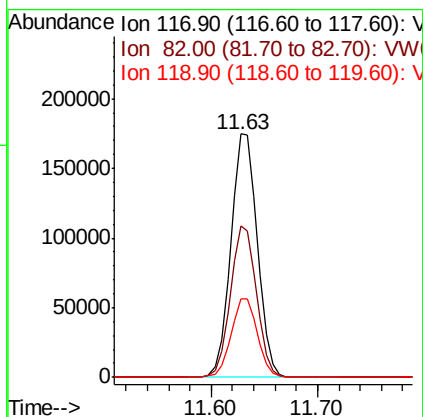
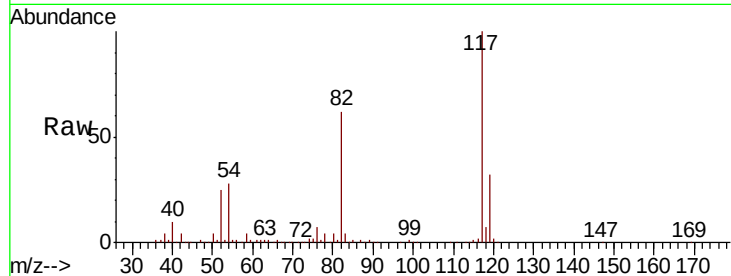




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. 0.00 min
Lab File: VW011402.D
Acq: 20 Jul 2019 04:23

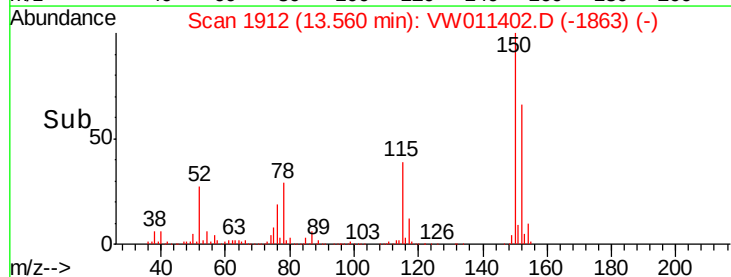
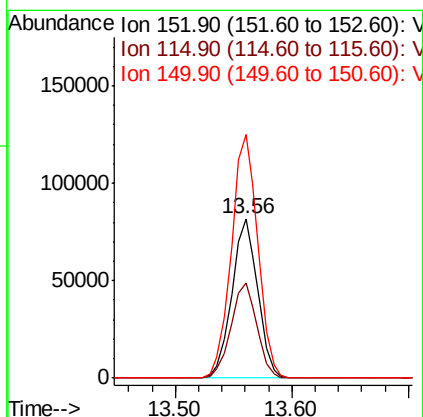
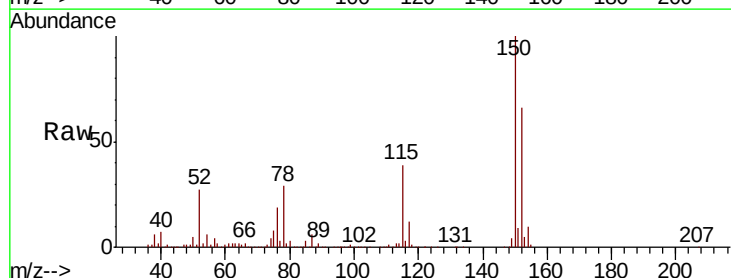
Instrument :
MSVOA_W
ClientSampleId :
SB-4(0-2)RE

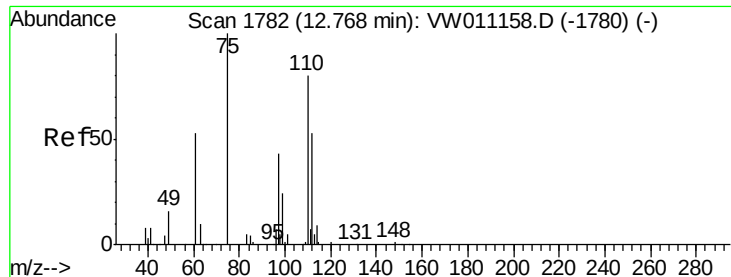
Tot Ion:117 Resp: 304800
Ion Ratio Lower Upper
117 100
82 62.1 48.9 73.3
119 32.1 25.0 37.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW011402.D
Acq: 20 Jul 2019 04:23

Tgt Ion:152 Resp: 126136
Ion Ratio Lower Upper
152 100
115 60.1 30.1 90.3
150 156.6 0.0 346.0





#76

1,2,3-Trichloropropane

Concen: 35.768 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW011402.D

Acq: 20 Jul 2019 04:23

Instrument :

MSVOA_W

ClientSampleId :

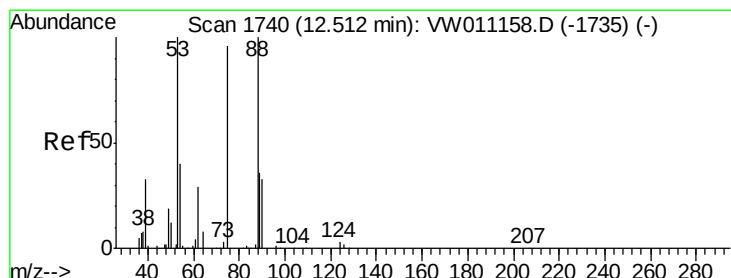
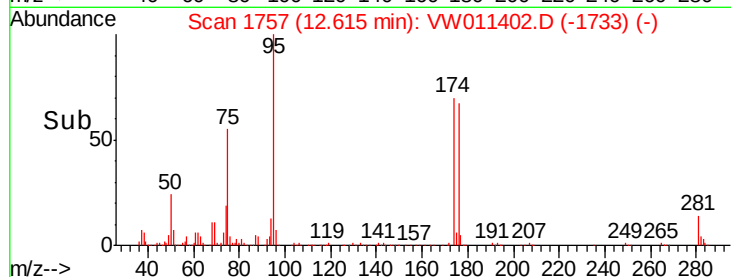
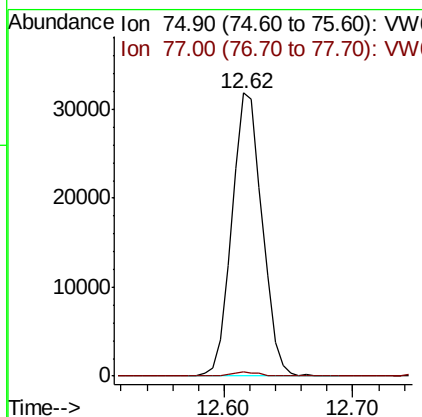
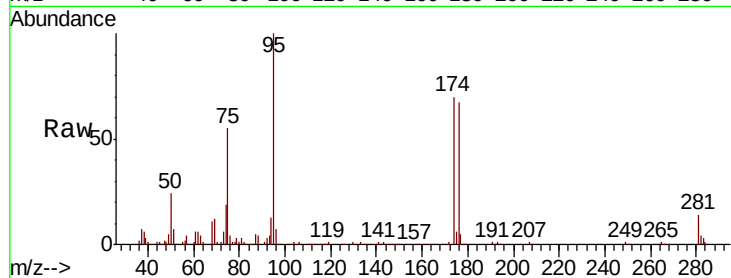
SB-4(0-2)RE

Tot Ion: 75 Resp: 52138

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 80.901 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW011402.D

Acq: 20 Jul 2019 04:23

Tgt Ion: 75 Resp: 52138

Ion Ratio Lower Upper

75 100

53 0.0 89.8 134.6#

89 0.0 34.3 51.5#

