

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW072019\
 Data File : VW011397.D
 Acq On : 20 Jul 2019 02:11
 Operator : SY/VA
 Sample : K3835-46
 Misc : 5.41G/5ML/MSVOA W/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SB-8(4-6)

Quant Time: Jul 20 05:56:17 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	271168	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	466318	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	387198	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	159243	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.30	65	182874	53.67	ug/l	0.00
Spiked Amount			Recovery	=	107.34%	
35) Dibromofluoromethane	7.88	113	143335	51.57	ug/l	0.00
Spiked Amount			Recovery	=	103.14%	
50) Toluene-d8	10.32	98	575971	51.27	ug/l	0.00
Spiked Amount			Recovery	=	102.54%	
62) 4-Bromofluorobenzene	12.62	95	195476	47.47	ug/l	0.00
Spiked Amount			Recovery	=	94.94%	

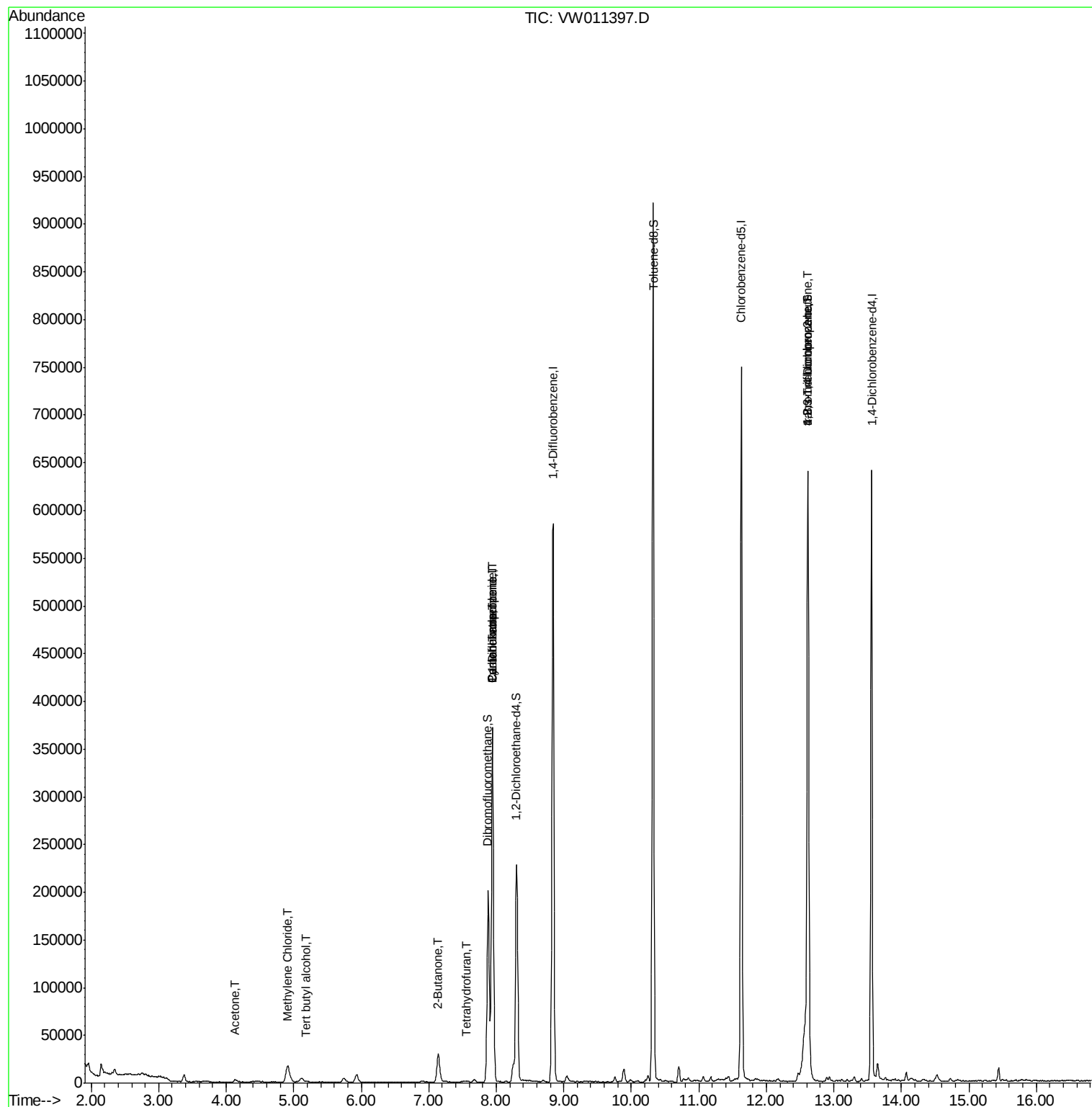
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.18	59	740	2.933	ug/l #	70
16) Acetone	4.13	43	5261	6.417	ug/l	98
18) Methyl Acetate	4.67	43	316	Below Cal	#	57
20) Methylene Chloride	4.90	84	12474	3.857	ug/l	95
25) 2-Butanone	7.13	43	2577	2.002	ug/l #	75
29) Tetrahydrofuran	7.56	42	895	1.061	ug/l #	73
31) Cyclohexane	7.94	56	6790	1.029	ug/l #	1
36) 1,1-Dichloropropene	7.94	75	24257	4.885	ug/l #	51
38) Carbon Tetrachloride	7.95	117	27609	6.558	ug/l #	16
76) 1,2,3-Trichloropropane	12.62	75	102180	55.525	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	102180	125.587	ug/l #	5

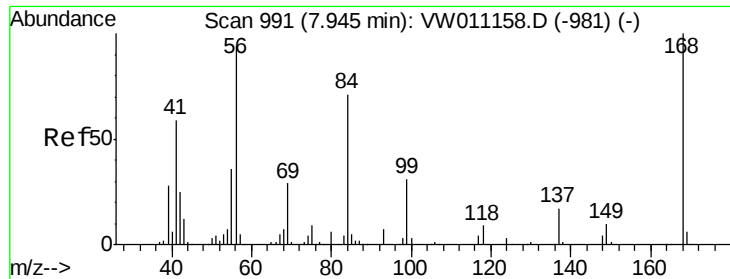
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW072019\
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Quant Time: Jul 20 05:56:17 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W070819S.M
Quant Title : SW846 8260
QLast Update : Thu Jul 11 08:14:17 2019
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: VW011397.D

Acq: 20 Jul 2019 02:11

Instrument :

MSVOA_W

ClientSampleId :

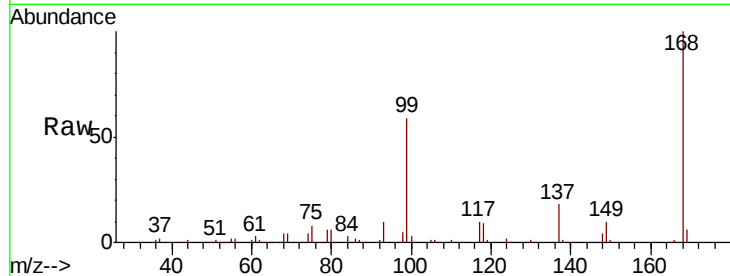
SB-8(4-6)

Tot Ion:168 Resp: 271168

Ion Ratio Lower Upper

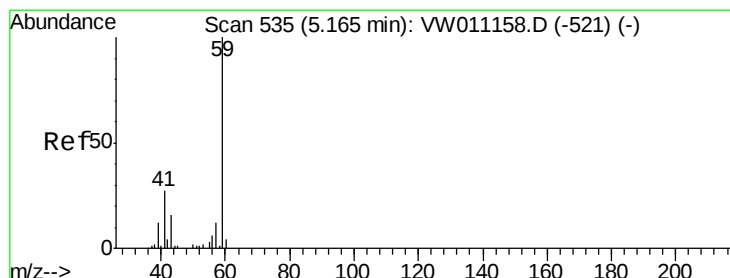
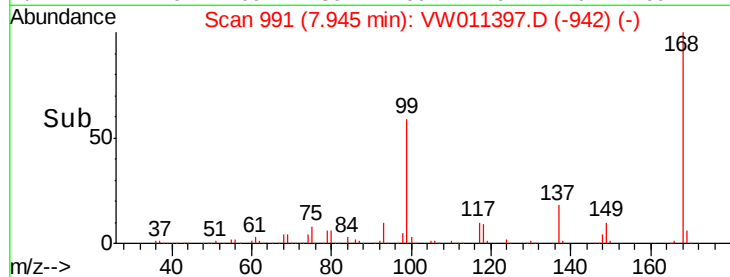
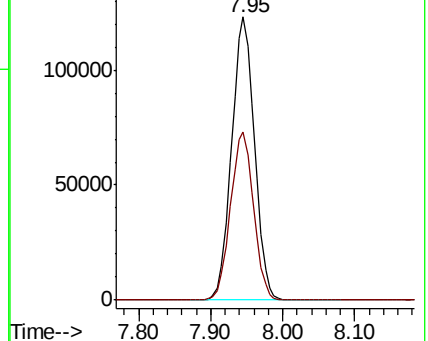
168 100

99 59.4 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: 2.933 ug/l

RT: 5.18 min Scan# 538

Delta R.T. 0.02 min

Lab File: VW011397.D

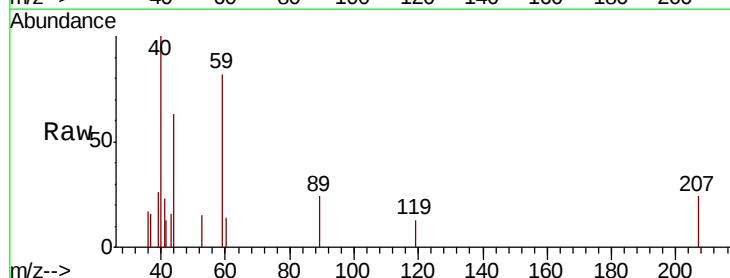
Acq: 20 Jul 2019 02:11

Tgt Ion: 59 Resp: 740

Ion Ratio Lower Upper

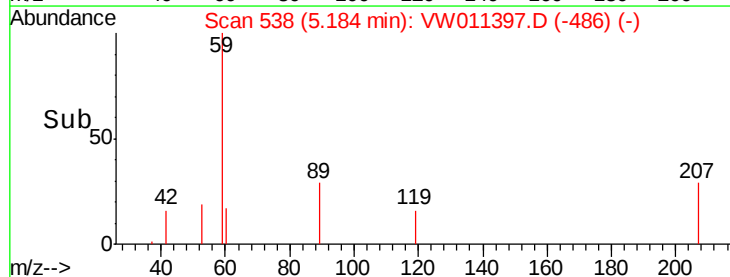
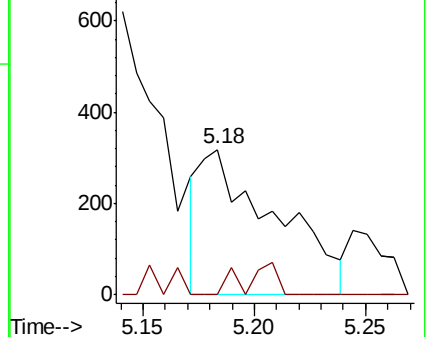
59 100

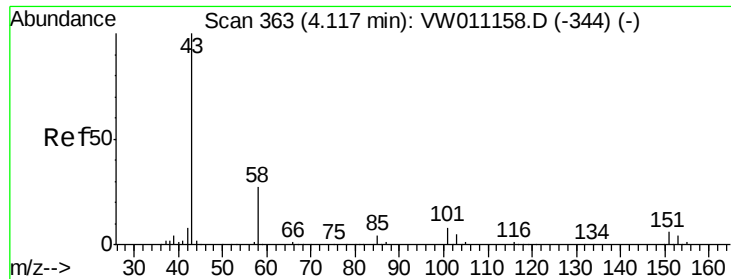
57 0.0 9.0 13.6#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#16

Acetone

Concen: 6.417 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.01 min

Lab File: VW011397.D

Acq: 20 Jul 2019 02:11

Instrument :

MSVOA_W

ClientSampleId :

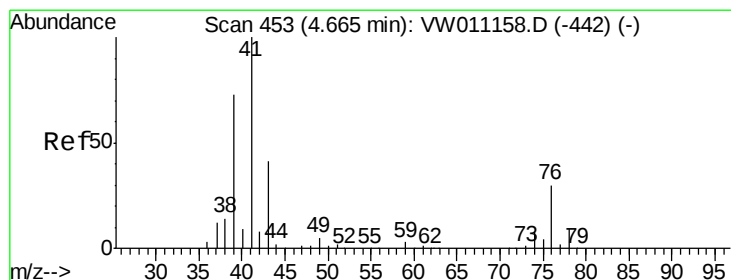
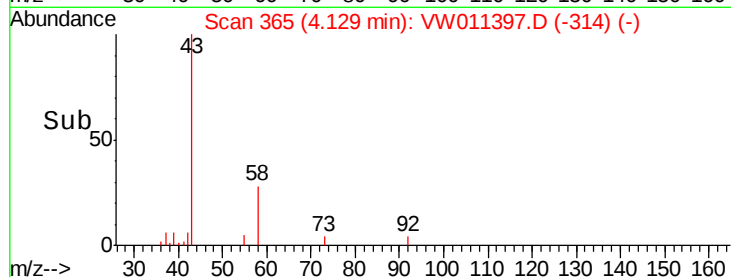
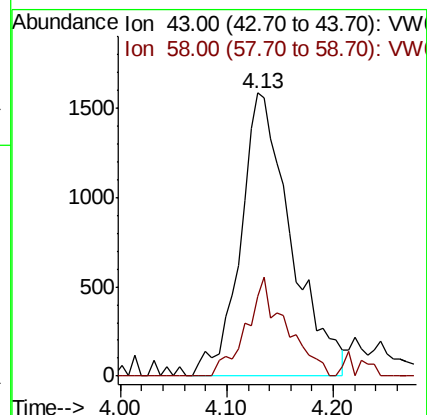
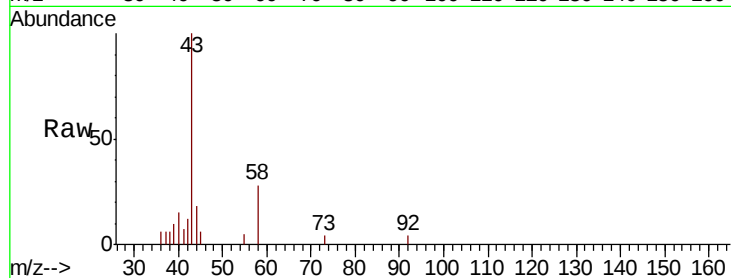
SB-8(4-6)

Tot Ion: 43 Resp: 5261

Ion Ratio Lower Upper

43 100

58 28.1 21.8 32.6



#18

Methyl Acetate

Concen: Below Cal

RT: 4.67 min Scan# 454

Delta R.T. 0.01 min

Lab File: VW011397.D

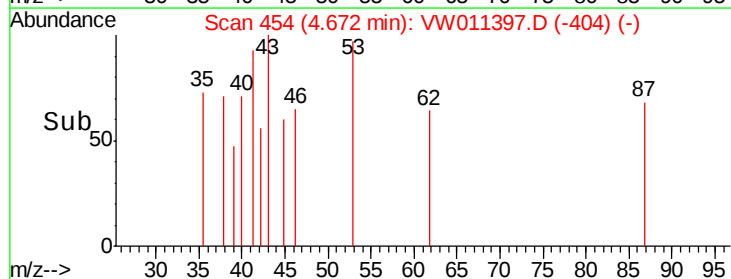
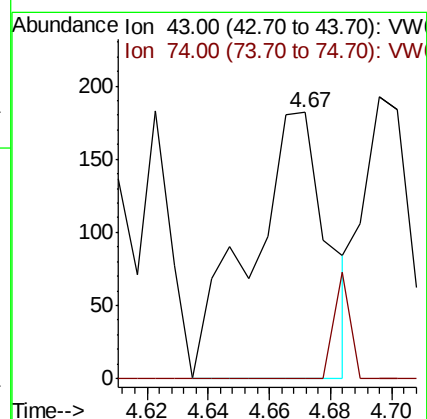
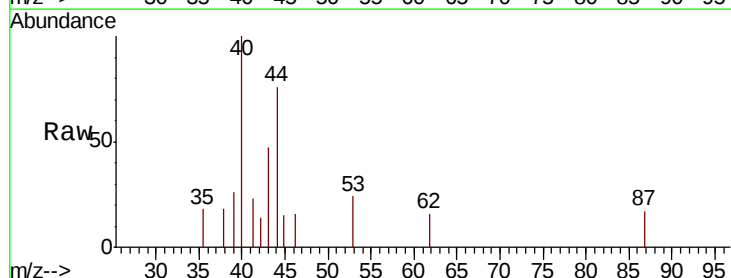
Acq: 20 Jul 2019 02:11

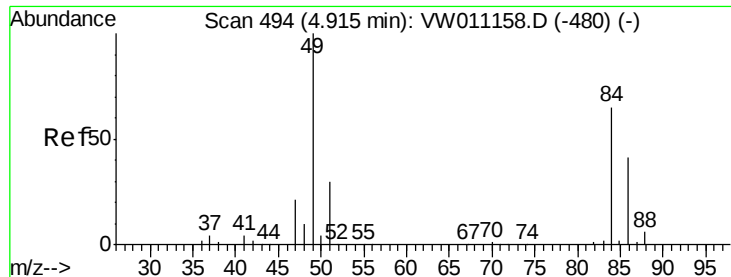
Tgt Ion: 43 Resp: 316

Ion Ratio Lower Upper

43 100

74 0.0 15.7 23.5#

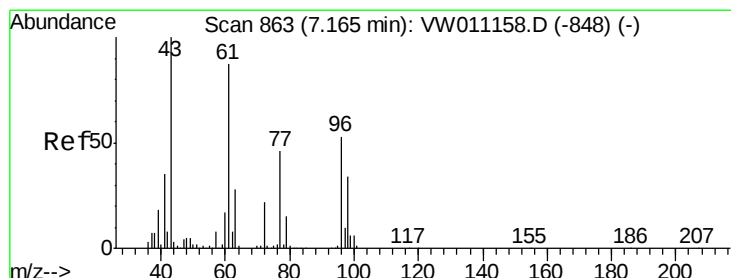
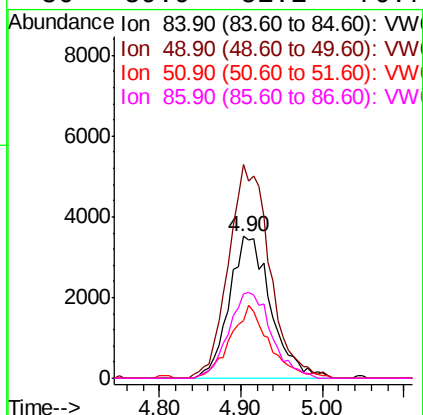
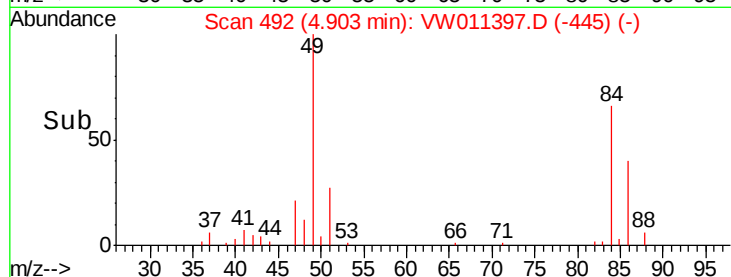
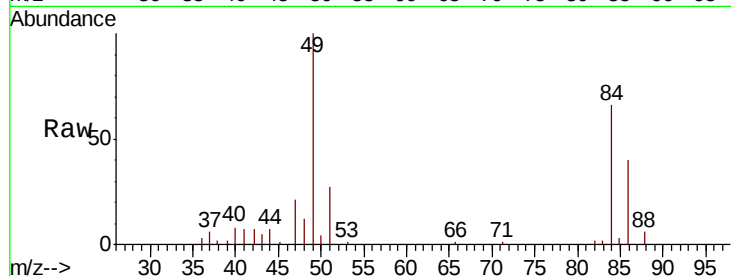




#20
Methvlene Chloride
Concen: 3.857 ug/l
RT: 4.90 min Scan# 492
Delta R.T. -0.01 min
Lab File: VW011397.D
Acq: 20 Jul 2019 02:11

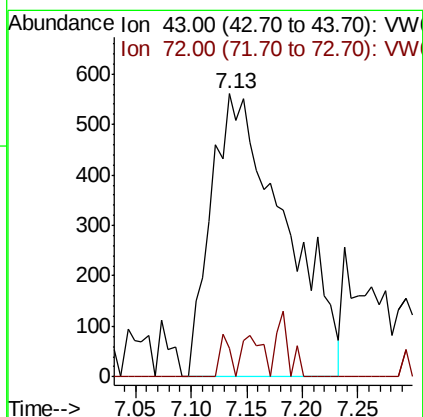
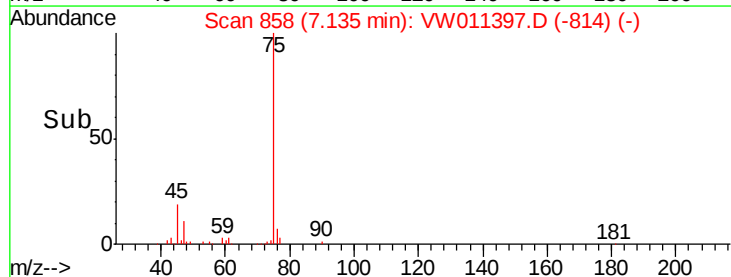
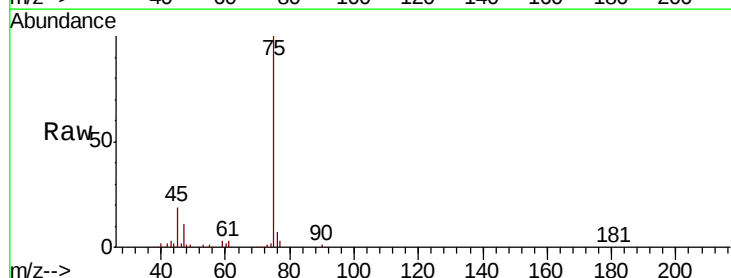
Instrument :
MSVOA_W
ClientSampled :
SB-8(4-6)

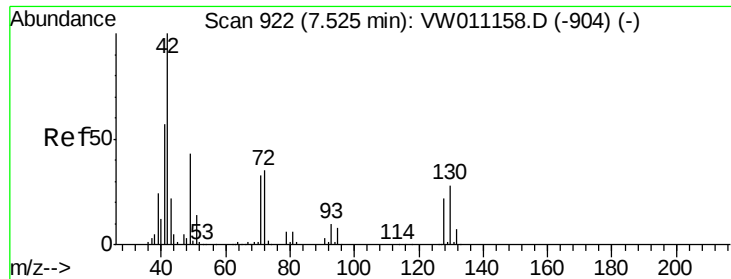
Tot Ion: 84 Resp: 12474
Ion Ratio Lower Upper
84 100
49 150.4 123.8 185.6
51 40.4 37.4 56.2
86 59.9 51.1 76.7



#25
2-Butanone
Concen: 2.002 ug/l
RT: 7.13 min Scan# 858
Delta R.T. -0.03 min
Lab File: VW011397.D
Acq: 20 Jul 2019 02:11

Tgt Ion: 43 Resp: 2577
Ion Ratio Lower Upper
43 100
72 10.0 17.6 26.4#

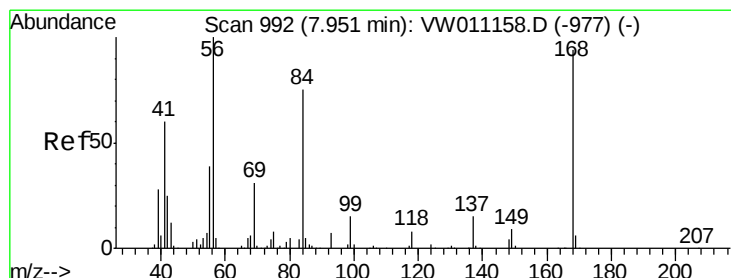
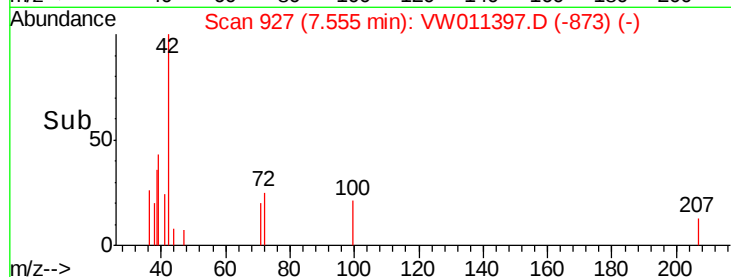
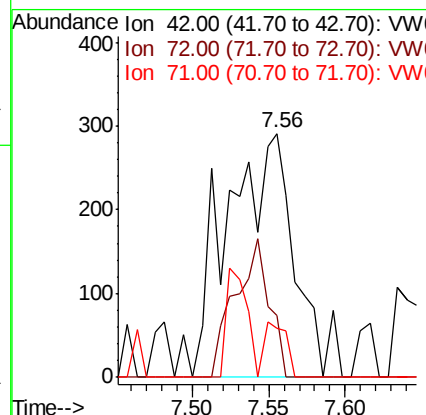
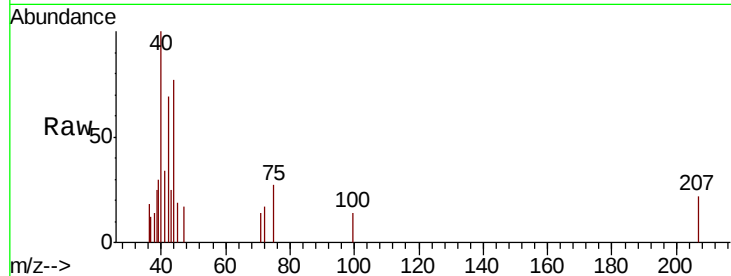




#29
Tetrahydrofuran
Concen: 1.061 ug/l
RT: 7.56 min Scan# 927
Delta R.T. 0.03 min
Lab File: VW011397.D
Acq: 20 Jul 2019 02:11

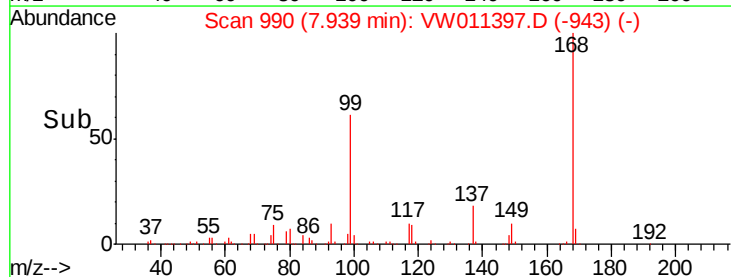
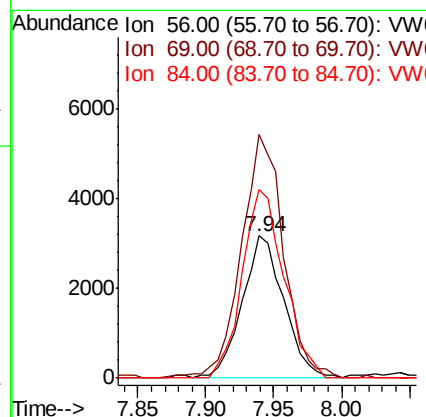
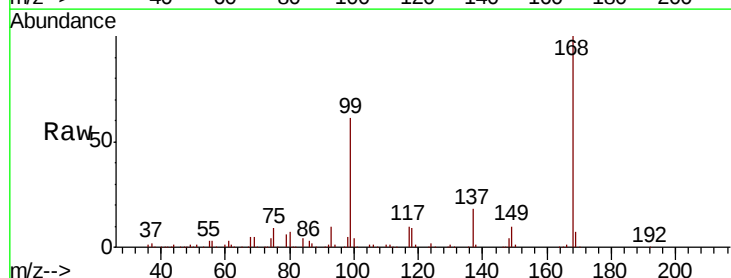
Instrument :
MSVOA_W
ClientSampleId :
SB-8(4-6)

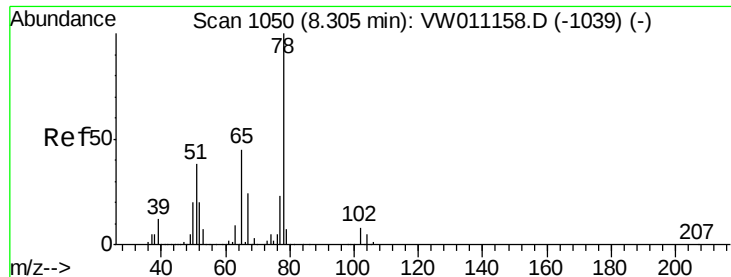
Tot Ion: 42 Resp: 895
Ion Ratio Lower Upper
42 100
72 28.6 27.4 41.2
71 7.4 25.9 38.9#



#31
Cyclohexane
Concen: 1.029 ug/l
RT: 7.94 min Scan# 990
Delta R.T. -0.01 min
Lab File: VW011397.D
Acq: 20 Jul 2019 02:11

Tgt Ion: 56 Resp: 6790
Ion Ratio Lower Upper
56 100
69 171.4 24.6 36.8#
84 132.4 60.1 90.1#

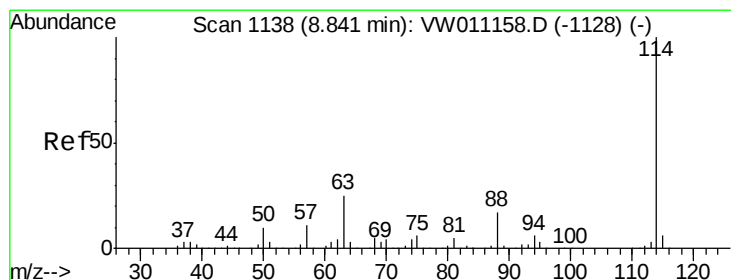
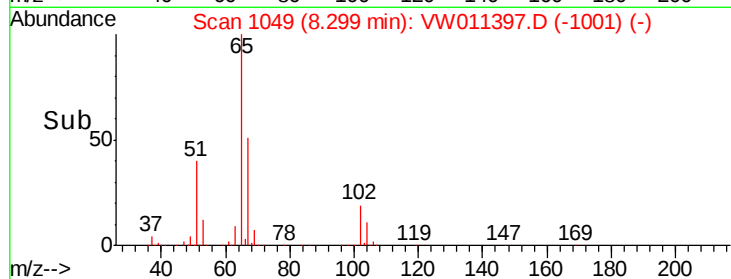
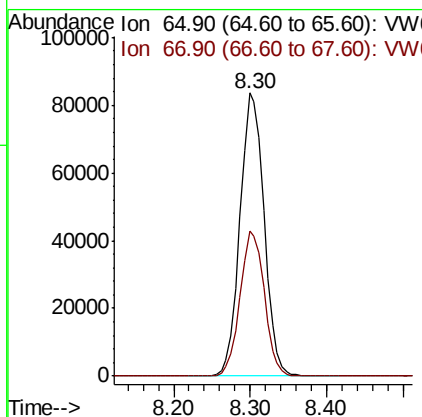
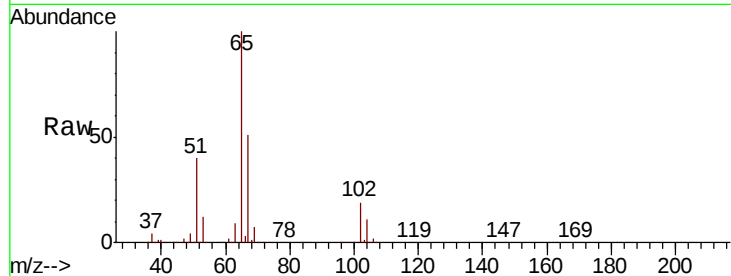




#33
 1,2-Dichloroethane-d4
 Concen: 53.671 ug/l
 RT: 8.30 min Scan# 1049
 Delta R.T. -0.01 min
 Lab File: VW011397.D
 Acq: 20 Jul 2019 02:11

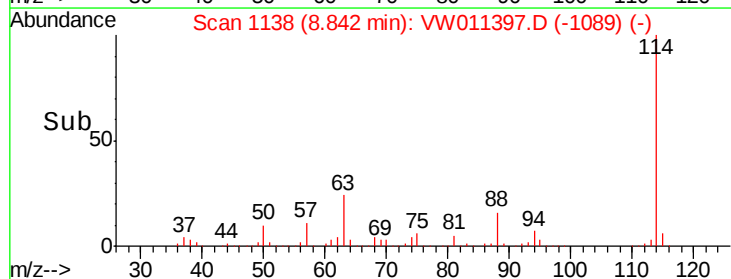
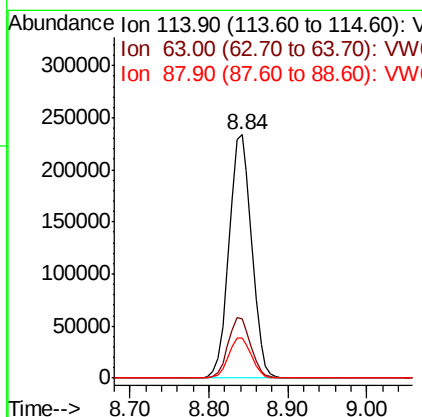
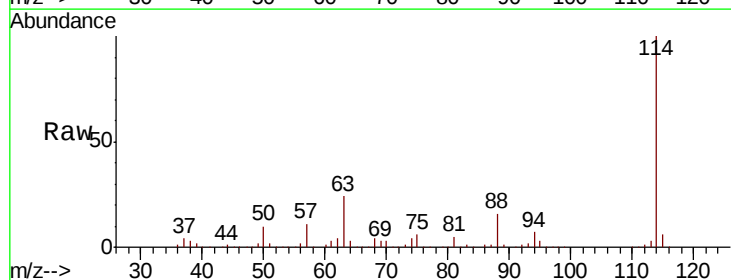
Instrument :
 MSVOA_W
 ClientSampleId :
 SB-8(4-6)

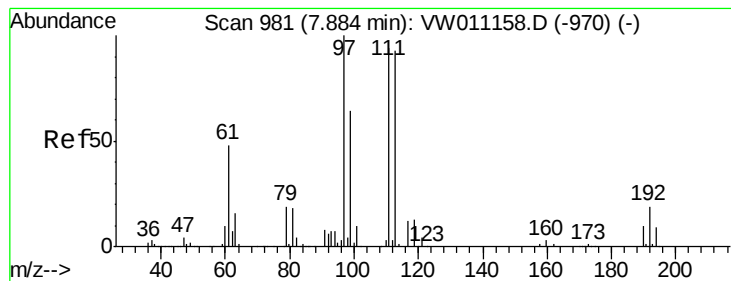
Tot Ion: 65 Resp: 182874
 Ion Ratio Lower Upper
 65 100
 67 51.8 0.0 104.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW011397.D
 Acq: 20 Jul 2019 02:11

Tgt Ion: 114 Resp: 466318
 Ion Ratio Lower Upper
 114 100
 63 24.4 0.0 50.8
 88 16.4 0.0 34.2





#35

Dibromofluoromethane

Concen: 51.569 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW011397.D

Acq: 20 Jul 2019 02:11

Instrument :

MSVOA_W

ClientSampleId :

SB-8(4-6)

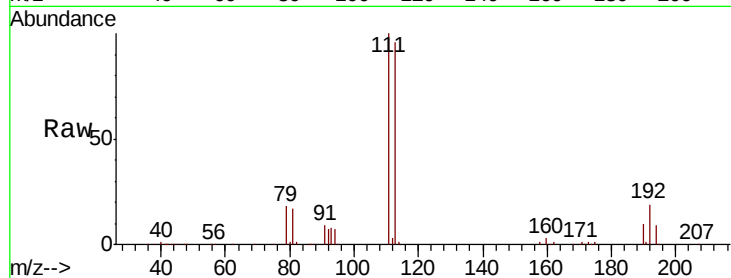
Tot Ion:113 Resp: 143335

Ion Ratio Lower Upper

113 100

111 104.5 82.4 123.6

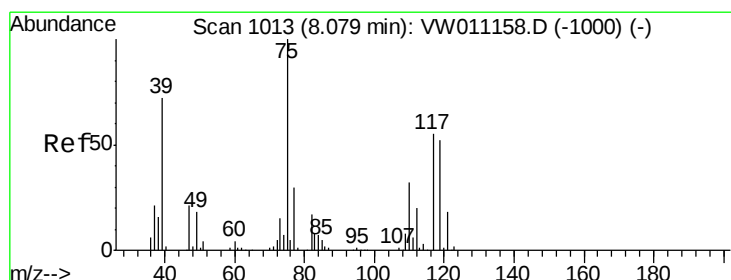
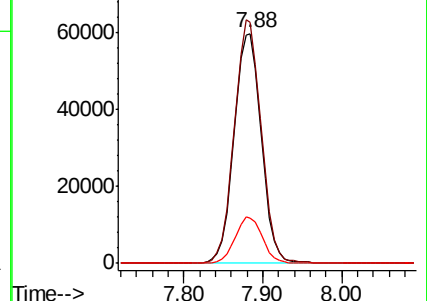
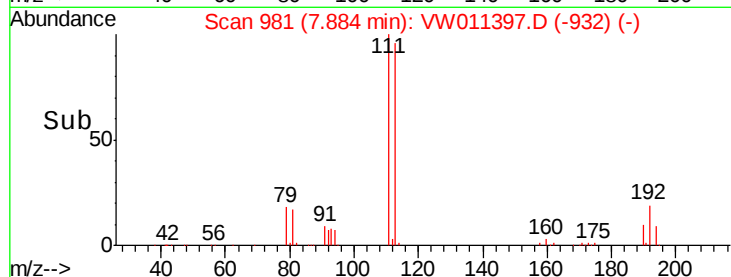
192 20.3 15.8 23.8



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: 4.885 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.14 min

Lab File: VW011397.D

Acq: 20 Jul 2019 02:11

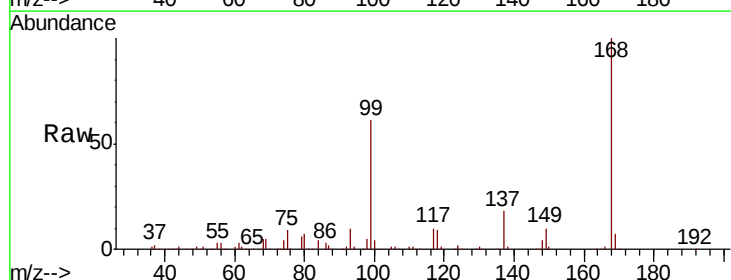
Tgt Ion: 75 Resp: 24257

Ion Ratio Lower Upper

75 100

110 8.3 15.9 47.6#

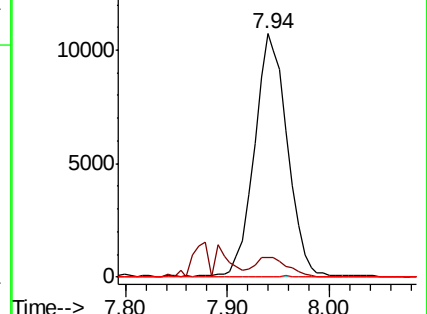
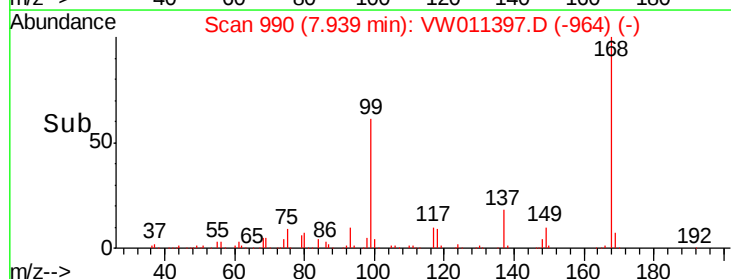
77 0.1 24.6 36.8#

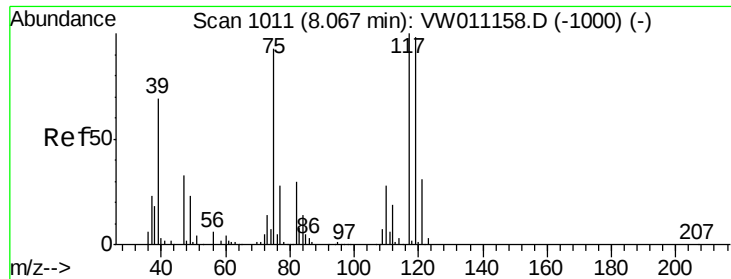


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

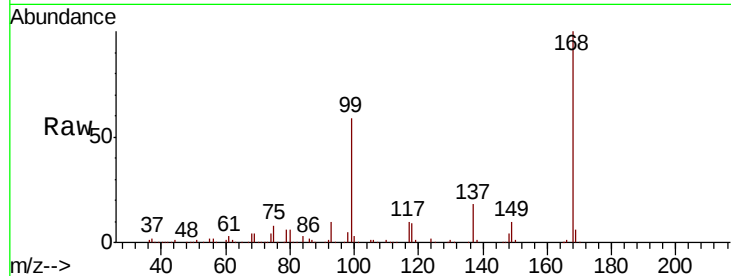




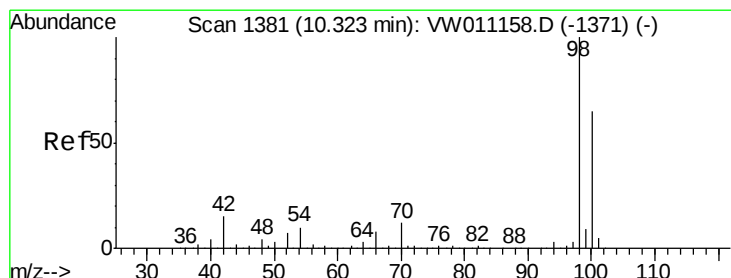
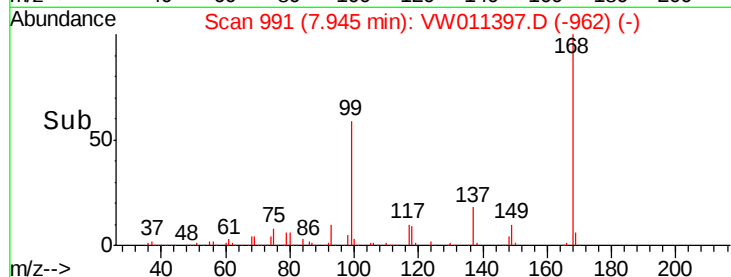
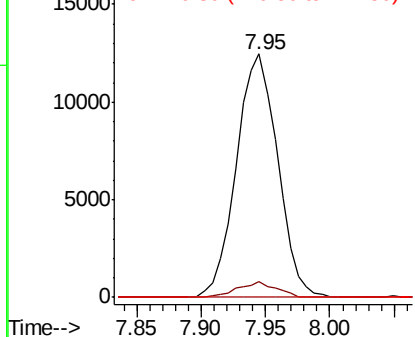
#38
Carbon Tetrachloride
Concen: 6.558 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.12 min
Lab File: VW011397.D
Acq: 20 Jul 2019 02:11

Instrument :
MSVOA_W
ClientSampled :
SB-8(4-6)

Tot Ion:117 Resp: 27609
Ion Ratio Lower Upper
117 100
119 6.4 78.1 117.1#
121 0.0 25.1 37.7#

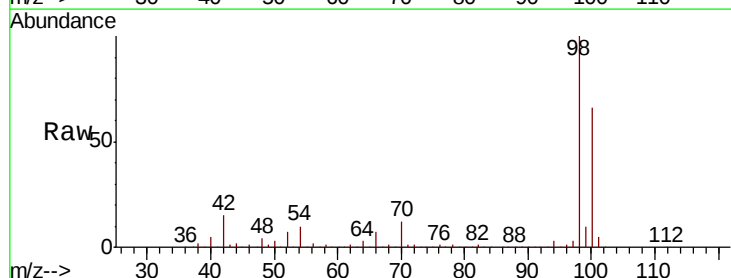


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

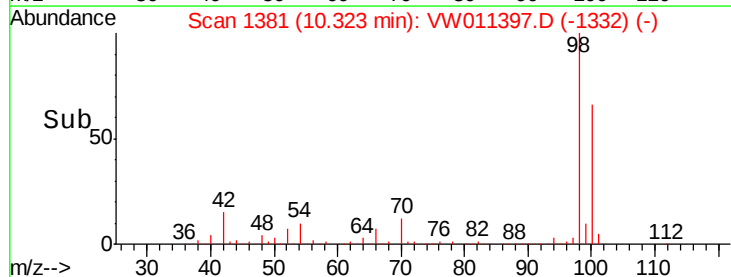
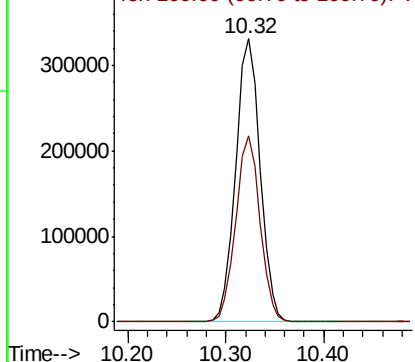


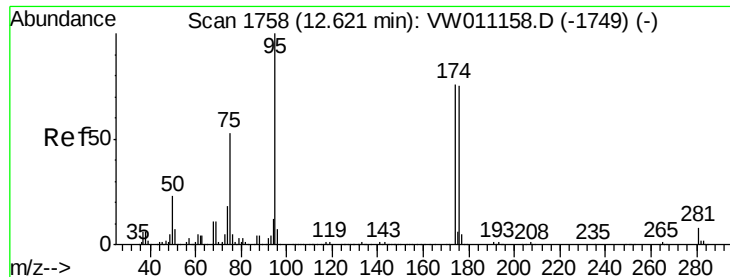
#50
Toluene-d8
Concen: 51.266 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW011397.D
Acq: 20 Jul 2019 02:11

Tgt Ion: 98 Resp: 575971
Ion Ratio Lower Upper
98 100
100 65.3 52.4 78.6



Abundance Ion 98.00 (97.70 to 98.70): VW
Ion 100.00 (99.70 to 100.70): VW





#62

4-Bromofluorobenzene

Concen: 47.468 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.01 min

Lab File: VW011397.D

Acq: 20 Jul 2019 02:11

Instrument :

MSVOA_W

ClientSampled :

SB-8(4-6)

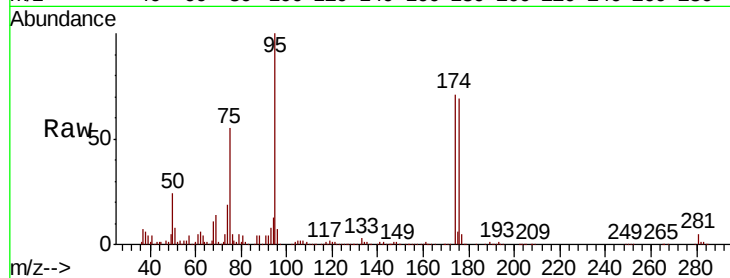
Tot Ion: 95 Resp: 195476

Ion Ratio Lower Upper

95 100

174 72.5 0.0 147.6

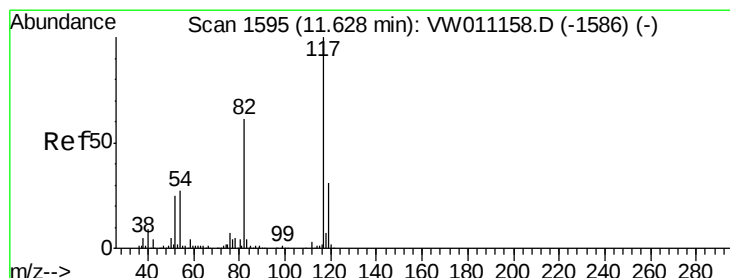
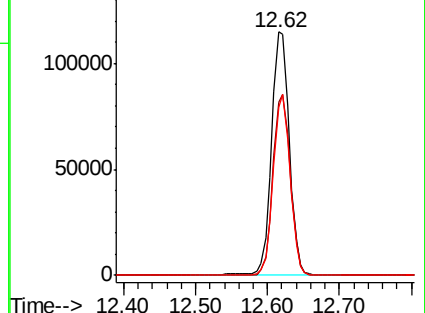
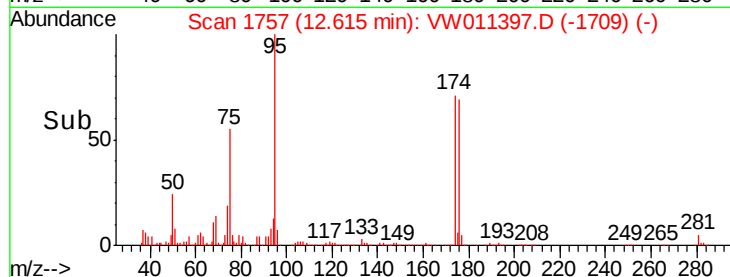
176 70.6 0.0 144.6



Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): VW

Ion 175.80 (175.50 to 176.50): VW



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.63 min Scan# 1596

Delta R.T. 0.01 min

Lab File: VW011397.D

Acq: 20 Jul 2019 02:11

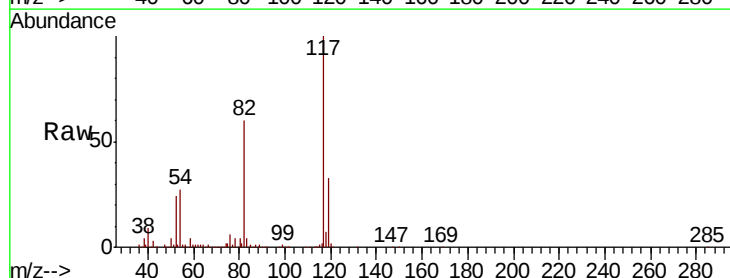
Tgt Ion: 117 Resp: 387198

Ion Ratio Lower Upper

117 100

82 59.8 48.9 73.3

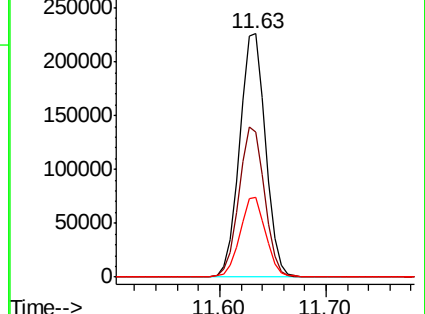
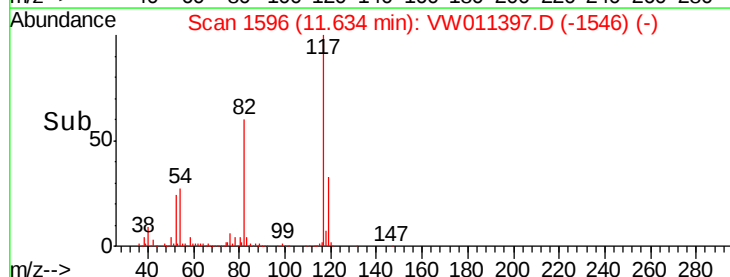
119 32.8 25.0 37.6

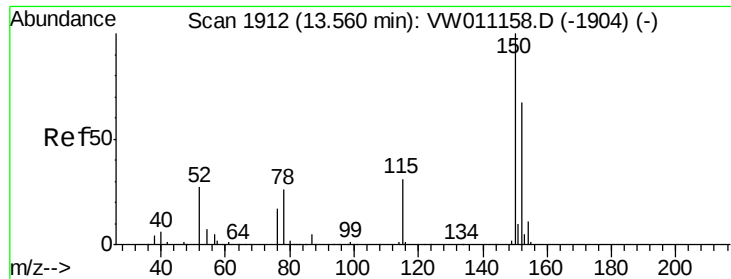


Abundance Ion 116.90 (116.60 to 117.60): VW

Ion 82.00 (81.70 to 82.70): VW

Ion 118.90 (118.60 to 119.60): VW





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW011397.D

Acq: 20 Jul 2019 02:11

Instrument :

MSVOA_W

ClientSampleId :

SB-8(4-6)

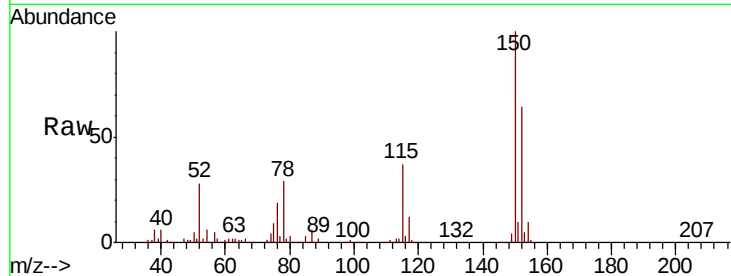
Tot Ion:152 Resp: 159243

Ion Ratio Lower Upper

152 100

115 59.7 30.1 90.3

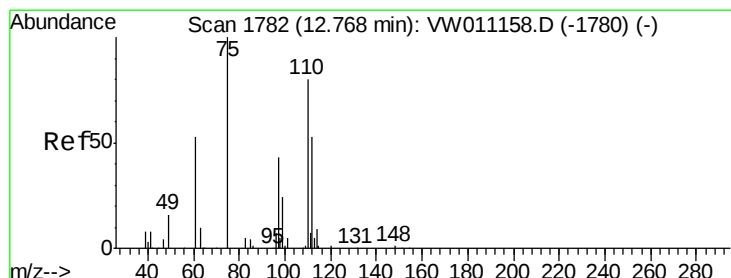
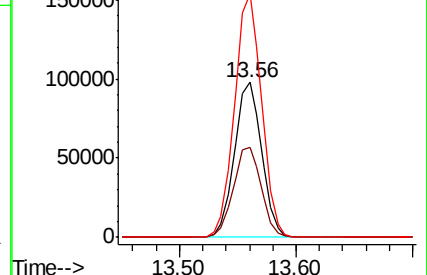
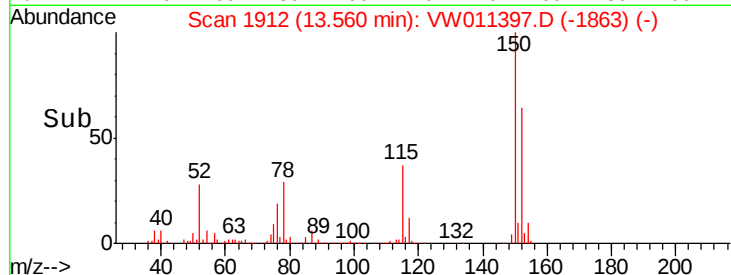
150 156.3 0.0 346.0



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: 55.525 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.15 min

Lab File: VW011397.D

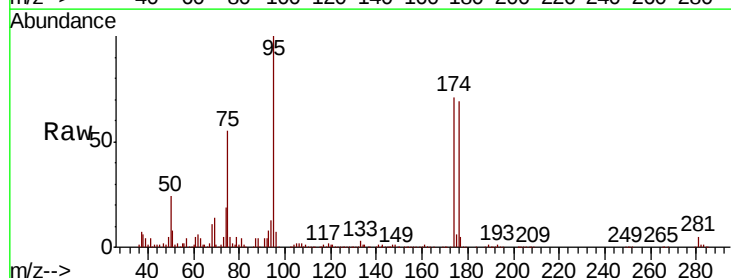
Acq: 20 Jul 2019 02:11

Tgt Ion: 75 Resp: 102180

Ion Ratio Lower Upper

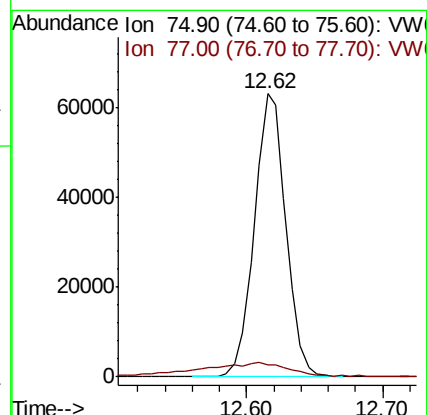
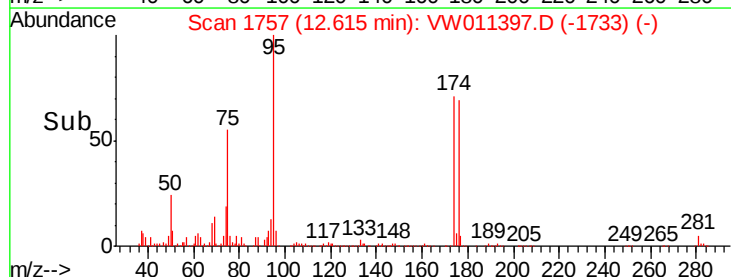
75 100

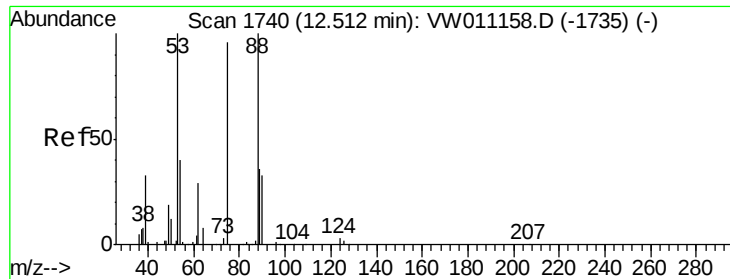
77 14.1 0.0 0.0#



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: 125.587 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.10 min

Lab File: VW011397.D

Acq: 20 Jul 2019 02:11

Instrument :

MSVOA_W

ClientSampleId :

SB-8(4-6)

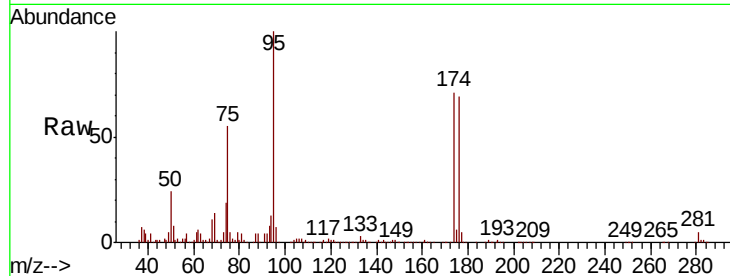
Tot Ion: 75 Resp: 102180

Ion Ratio Lower Upper

75 100

53 0.0 89.8 134.6#

89 0.0 34.3 51.5#



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

