

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW071819\
 Data File : VW011337.D
 Acq On : 18 Jul 2019 16:42
 Operator : SY/VA
 Sample : K3813-01
 Misc : 5.08G/5ML/MSVOA W/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 LA119SW005-SD-190712

Quant Time: Jul 19 06:45:25 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	189530	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	326145	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	278020	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	117426	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	134455	56.46	ug/l	0.00
Spiked Amount			Recovery	=	112.92%	
35) Dibromofluoromethane	7.88	113	102022	52.48	ug/l	0.00
Spiked Amount			Recovery	=	104.96%	
50) Toluene-d8	10.32	98	405611	51.62	ug/l	0.00
Spiked Amount			Recovery	=	103.24%	
62) 4-Bromofluorobenzene	12.62	95	136095	47.25	ug/l	0.00
Spiked Amount			Recovery	=	94.50%	

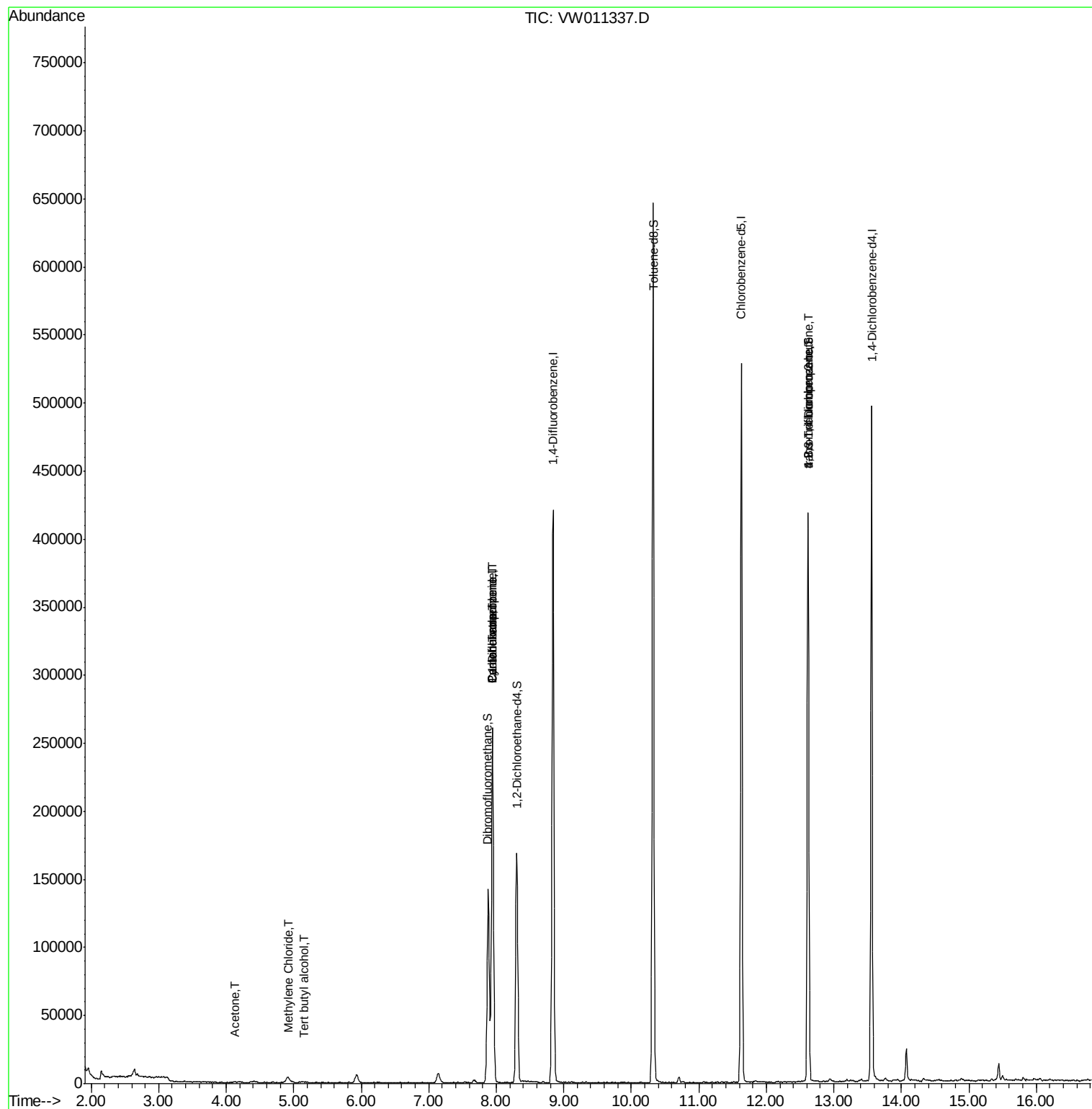
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	5.15	59	279	1.582	ug/l #	70
16) Acetone	4.13	43	1502	2.621	ug/l #	82
18) Methyl Acetate	4.67	43	974	Below Cal	#	62
20) Methylene Chloride	4.92	84	3174	1.404	ug/l #	82
31) Cyclohexane	7.94	56	4929	1.068	ug/l #	1
36) 1,1-Dichloropropene	7.94	75	16087	4.632	ug/l #	51
38) Carbon Tetrachloride	7.95	117	18710	6.355	ug/l #	17
76) 1,2,3-Trichloropropane	12.62	75	71285	52.531	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.62	75	71285	118.815	ug/l #	6

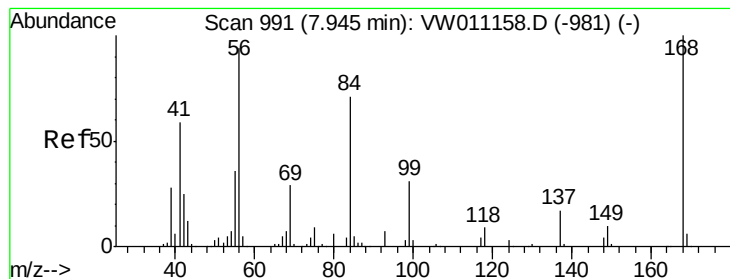
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW011337.D

Acq: 18 Jul 2019 16:42

Instrument :

MSVOA_W

ClientSampleId :

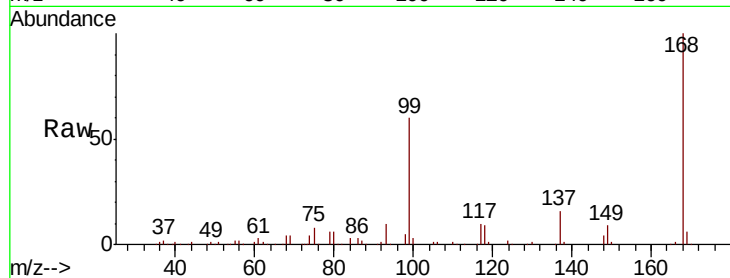
LA119SW005-SD-190712

Tot Ion:168 Resp: 189530

Ion Ratio Lower Upper

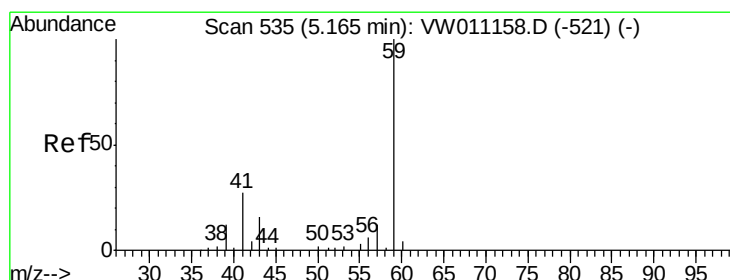
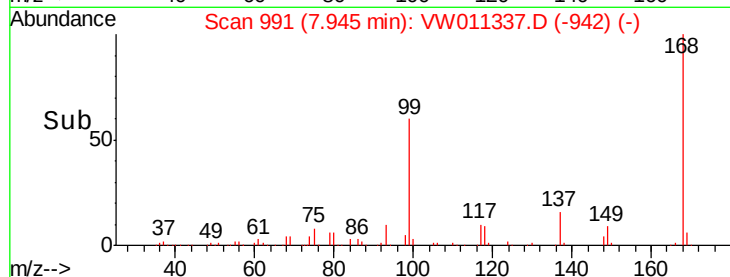
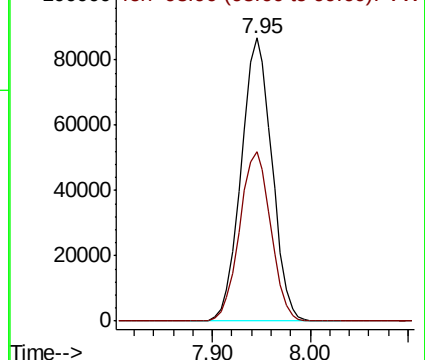
168 100

99 59.7 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: 1.582 ug/l

RT: 5.15 min Scan# 533

Delta R.T. -0.01 min

Lab File: VW011337.D

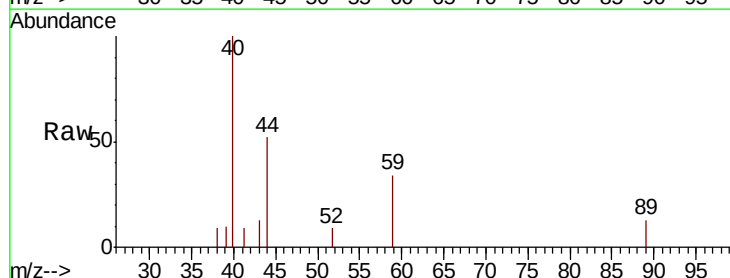
Acq: 18 Jul 2019 16:42

Tgt Ion: 59 Resp: 279

Ion Ratio Lower Upper

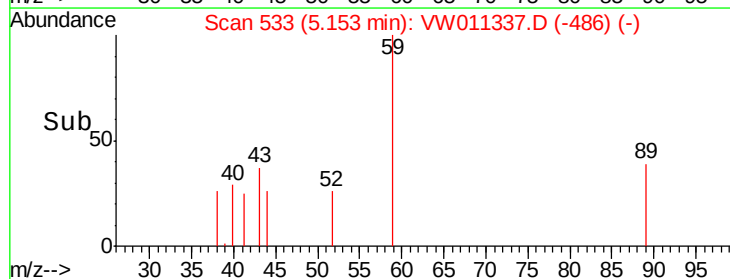
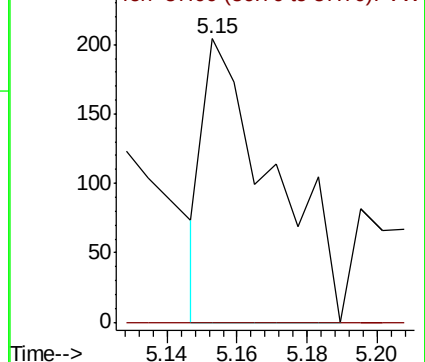
59 100

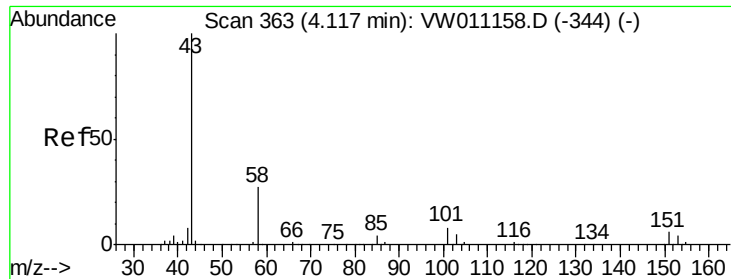
57 0.0 9.0 13.6#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

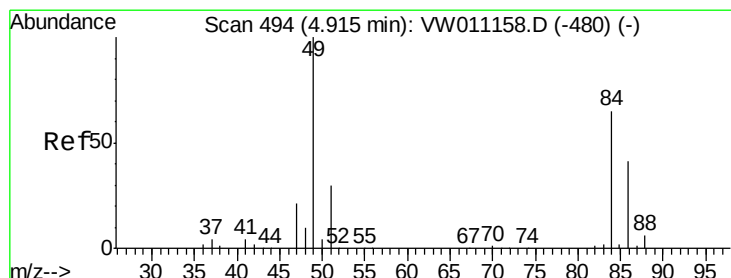
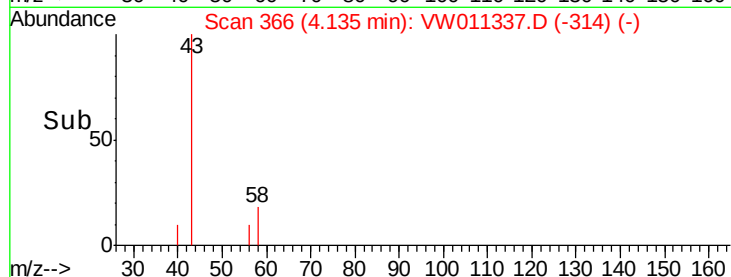
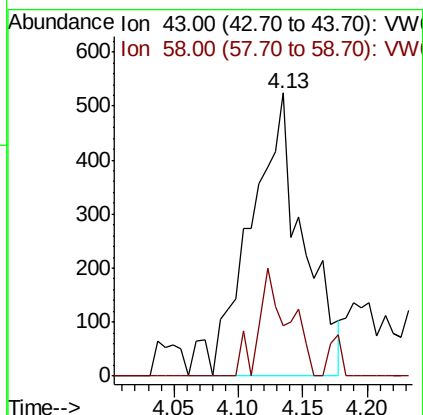
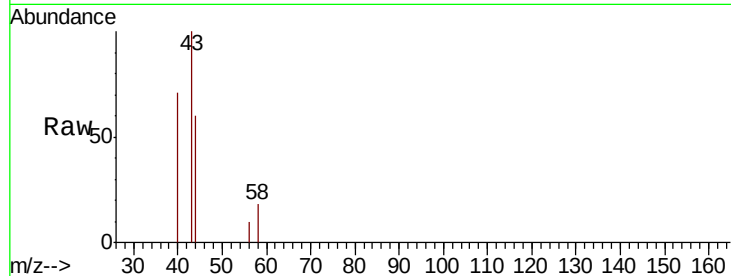




#16
Acetone
Concen: 2.621 ug/l
RT: 4.13 min Scan# 366
Delta R.T. 0.02 min
Lab File: VW011337.D
Acq: 18 Jul 2019 16:42

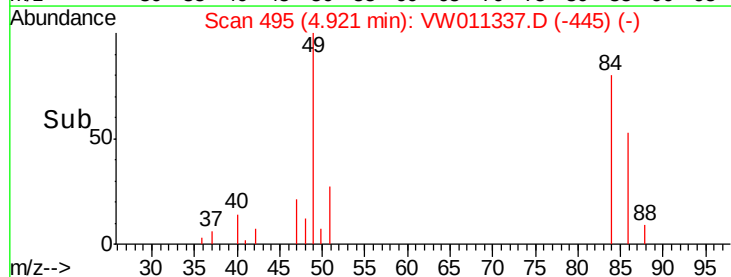
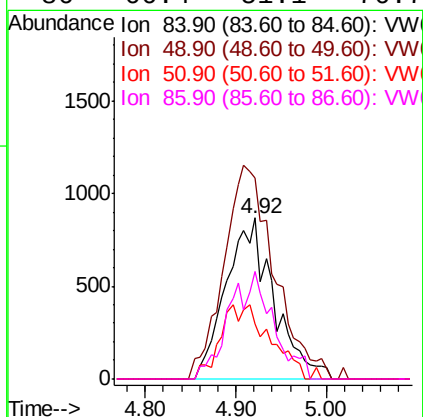
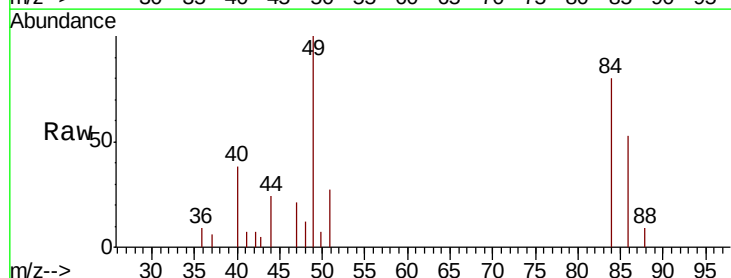
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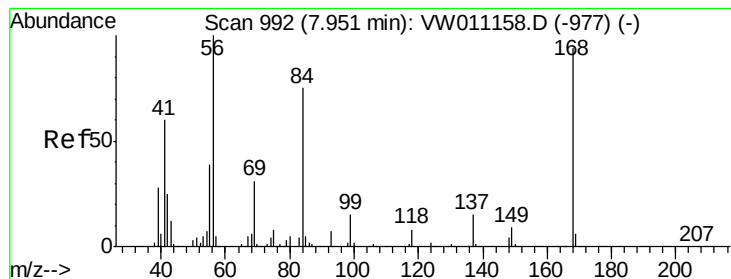
Tot Ion: 43 Resp: 1502
Ion Ratio Lower Upper
43 100
58 17.9 21.8 32.6#



#20
Methylene Chloride
Concen: 1.404 ug/l
RT: 4.92 min Scan# 495
Delta R.T. 0.01 min
Lab File: VW011337.D
Acq: 18 Jul 2019 16:42

Tgt Ion: 84 Resp: 3174
Ion Ratio Lower Upper
84 100
49 125.0 123.8 185.6
51 33.9 37.4 56.2#
86 66.4 51.1 76.7





#31

Cyclohexane

Concen: 1.068 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.01 min

Lab File: VW011337.D

Acq: 18 Jul 2019 16:42

Instrument :

MSVOA_W

ClientSampleId :

LA119SW005-SD-190712

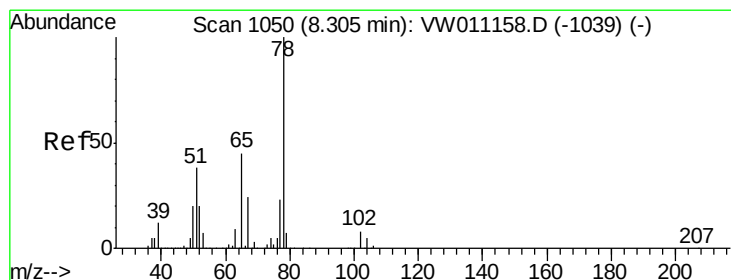
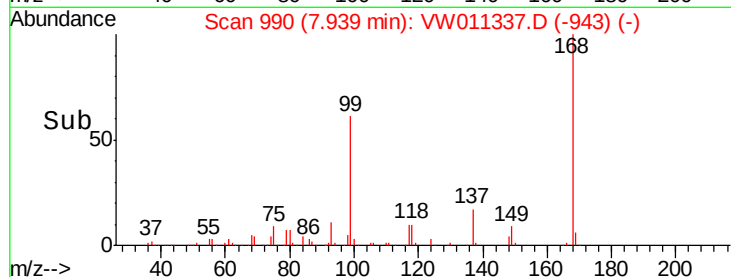
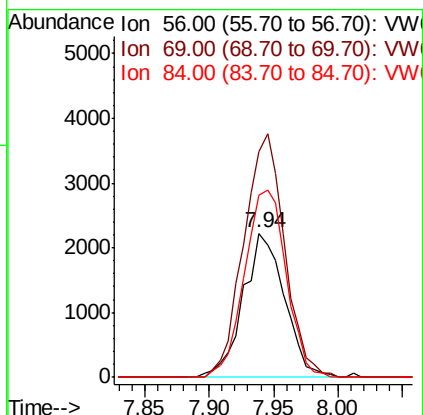
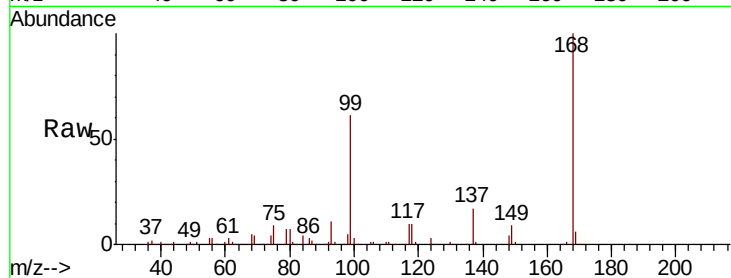
Tot Ion: 56 Resp: 4929

Ion Ratio Lower Upper

56 100

69 156.6 24.6 36.8#

84 126.6 60.1 90.1#



#33

1,2-Dichloroethane-d4

Concen: 56.458 ug/l

RT: 8.30 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW011337.D

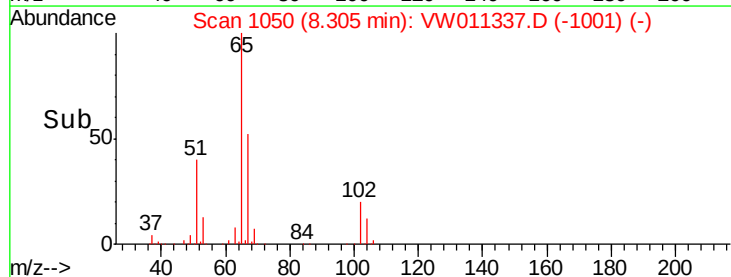
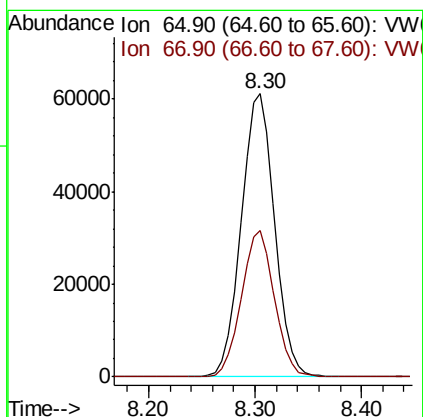
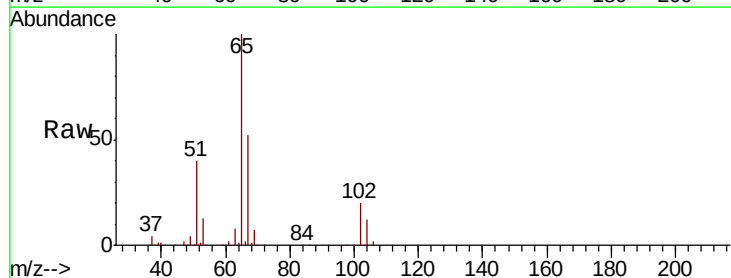
Acq: 18 Jul 2019 16:42

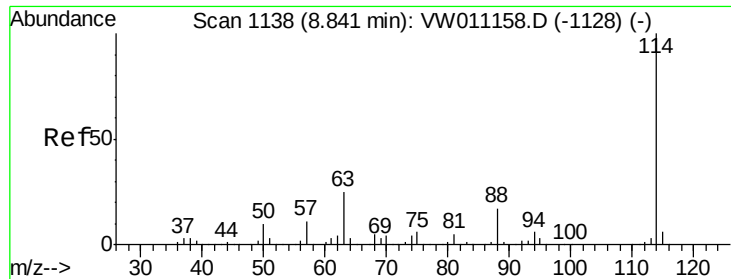
Tgt Ion: 65 Resp: 134455

Ion Ratio Lower Upper

65 100

67 51.2 0.0 104.4

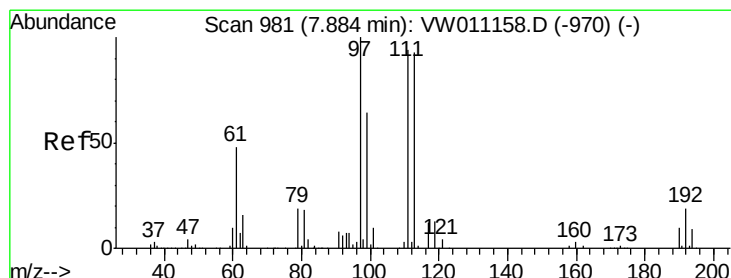
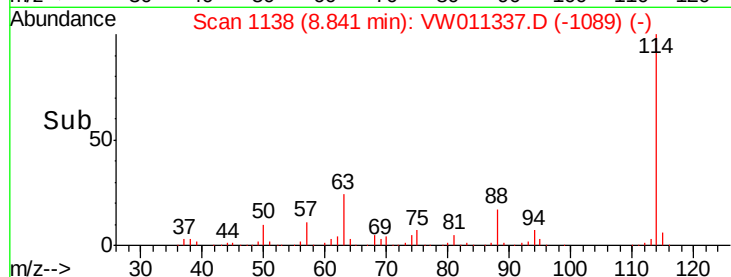
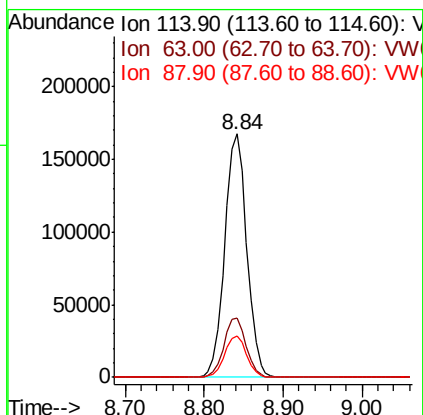
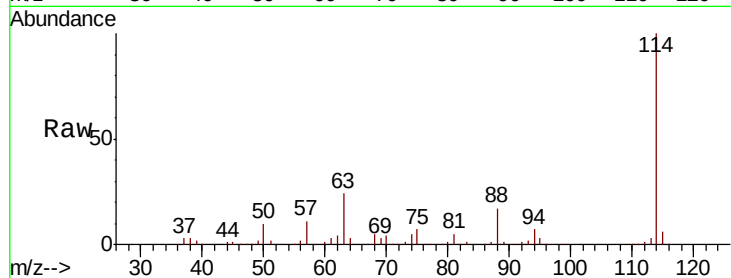




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.84 min Scan# 1138
Delta R.T. -0.00 min
Lab File: VW011337.D
Acq: 18 Jul 2019 16:42

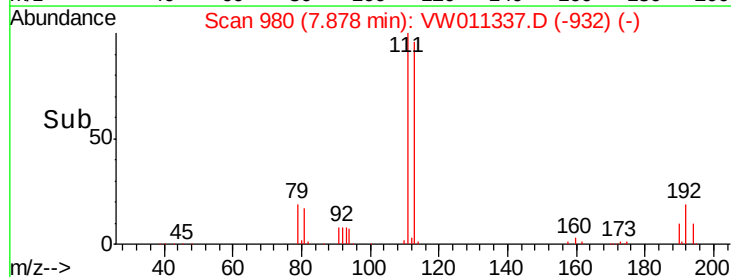
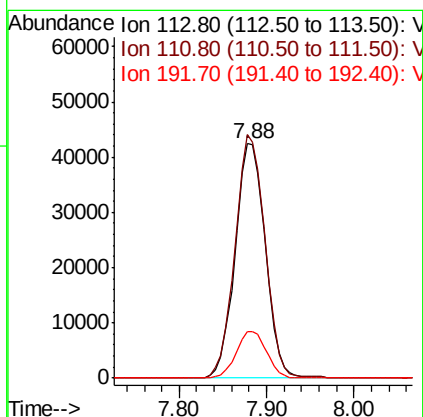
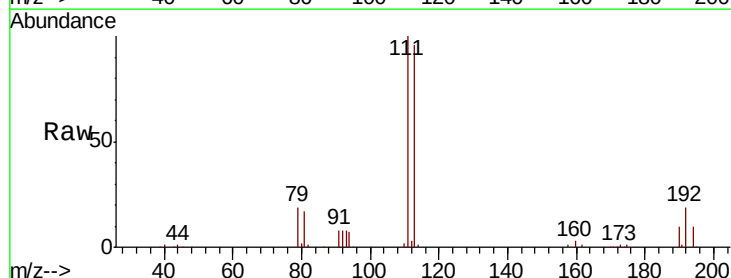
Instrument :
MSVOA_W
ClientSampleId :
LA119SW005-SD-190712

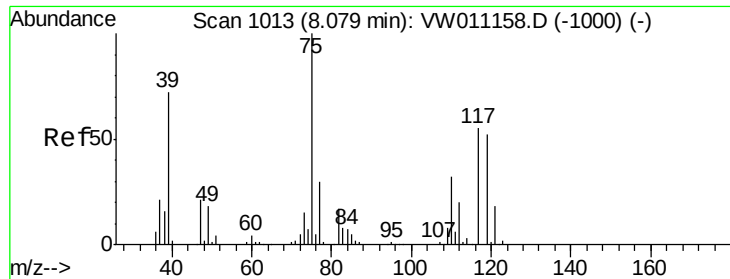
Tot Ion:114 Resp: 326145
Ion Ratio Lower Upper
114 100
63 24.5 0.0 50.8
88 17.0 0.0 34.2



#35
Dibromofluoromethane
Concen: 52.481 ug/l
RT: 7.88 min Scan# 980
Delta R.T. -0.01 min
Lab File: VW011337.D
Acq: 18 Jul 2019 16:42

Tgt Ion:113 Resp: 102022
Ion Ratio Lower Upper
113 100
111 103.0 82.4 123.6
192 19.9 15.8 23.8





#36

1,1-Dichloropropene

Concen: 4.632 ug/l

RT: 7.94 min Scan# 990

Delta R.T. -0.14 min

Lab File: VW011337.D

Acq: 18 Jul 2019 16:42

Instrument :

MSVOA_W

ClientSampleId :

LA119SW005-SD-190712

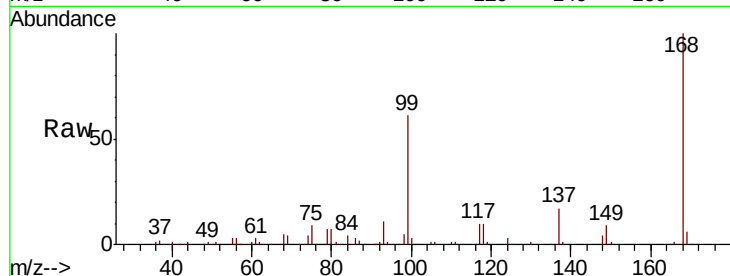
Tot Ion: 75 Resp: 16087

Ion Ratio Lower Upper

75 100

110 8.8 15.9 47.6#

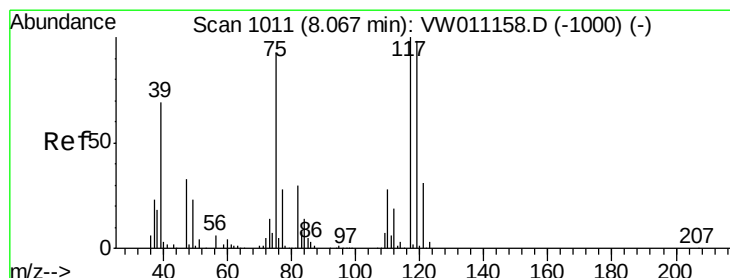
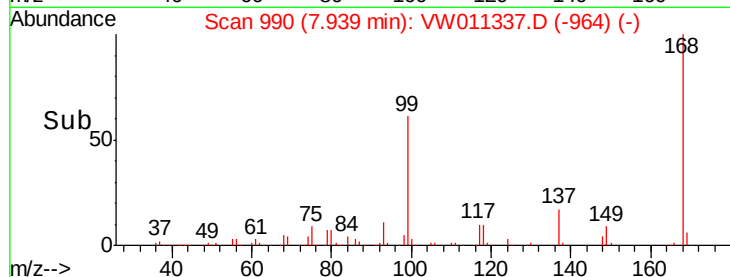
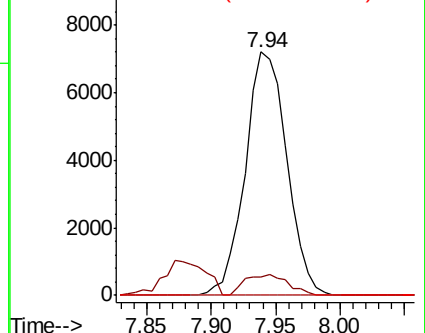
77 0.0 24.6 36.8#



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: 6.355 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.12 min

Lab File: VW011337.D

Acq: 18 Jul 2019 16:42

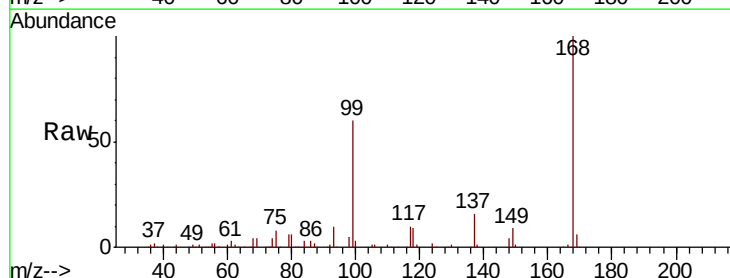
Tgt Ion: 117 Resp: 18710

Ion Ratio Lower Upper

117 100

119 6.9 78.1 117.1#

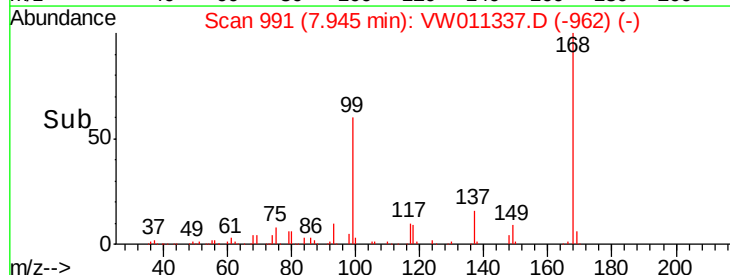
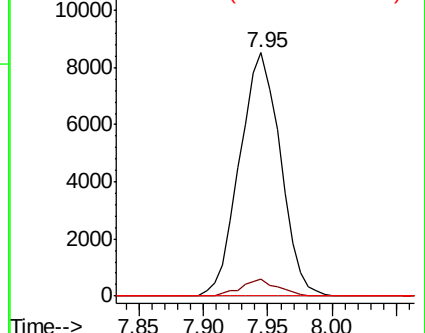
121 0.0 25.1 37.7#

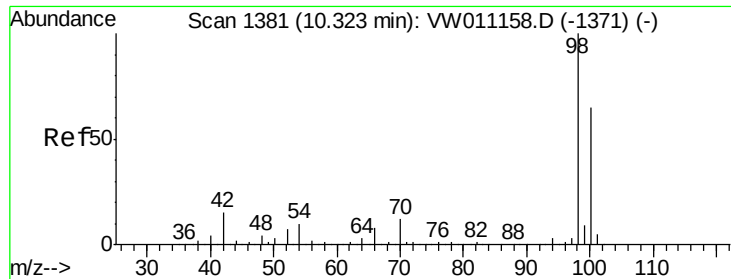


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#50

Toluene-d8

Concen: 51.619 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW011337.D

Acq: 18 Jul 2019 16:42

Instrument :

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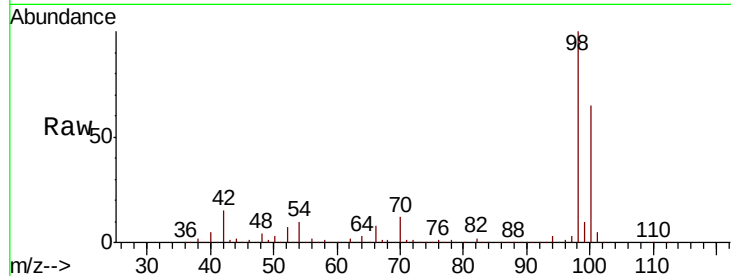
LA119SW005-SD-190712

Tot Ion: 98 Resp: 405611

Ion Ratio Lower Upper

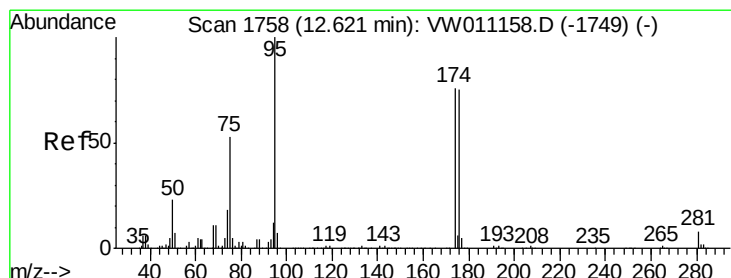
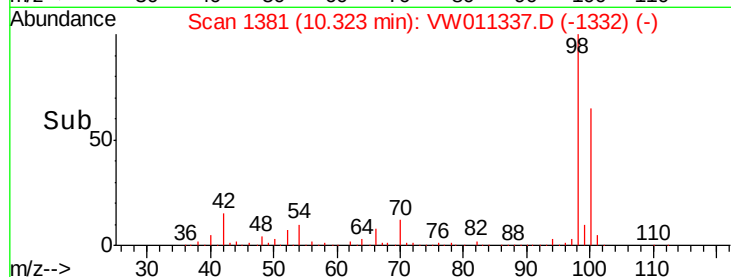
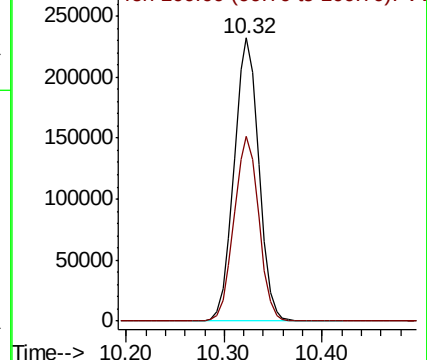
98 100

100 65.6 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: 47.253 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW011337.D

Acq: 18 Jul 2019 16:42

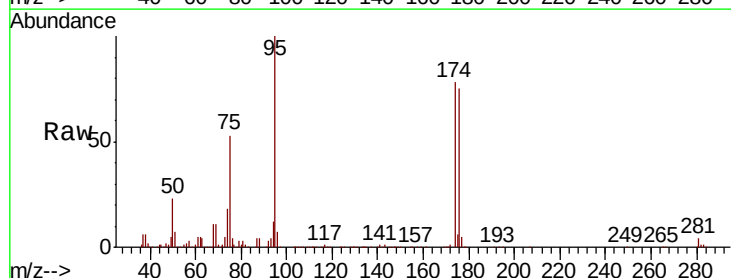
Tgt Ion: 95 Resp: 136095

Ion Ratio Lower Upper

95 100

174 74.3 0.0 147.6

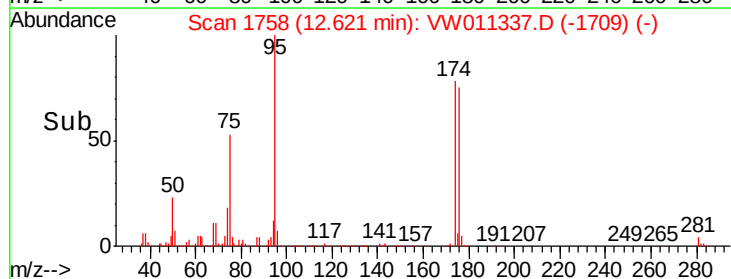
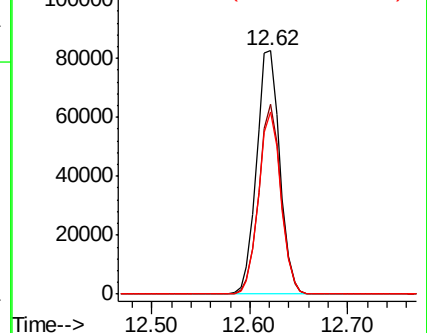
176 72.2 0.0 144.6

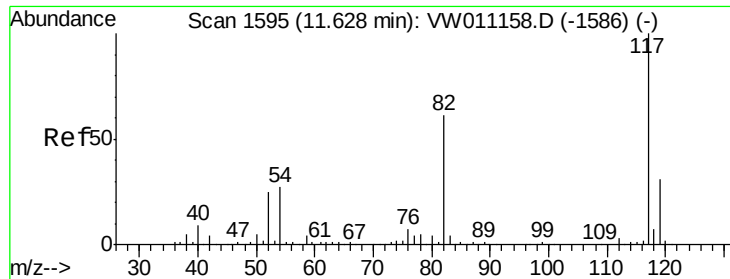


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

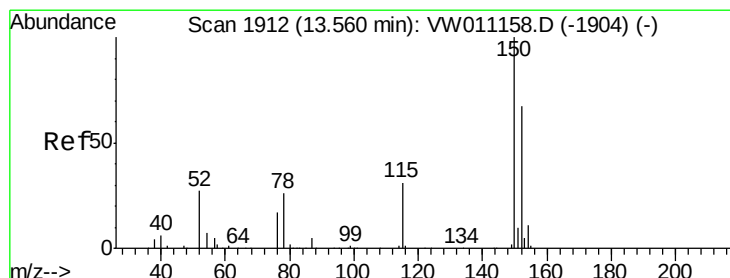
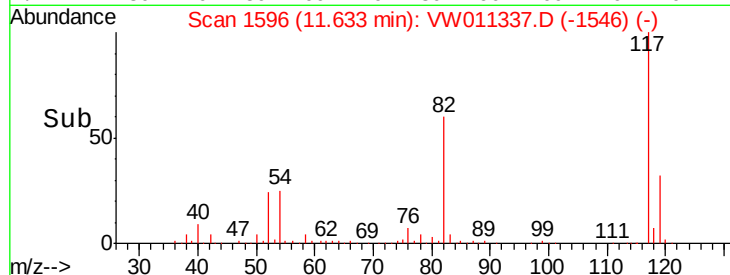
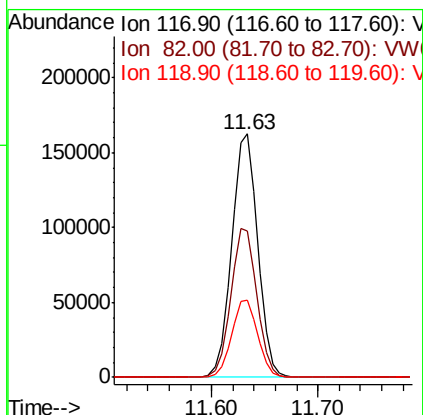
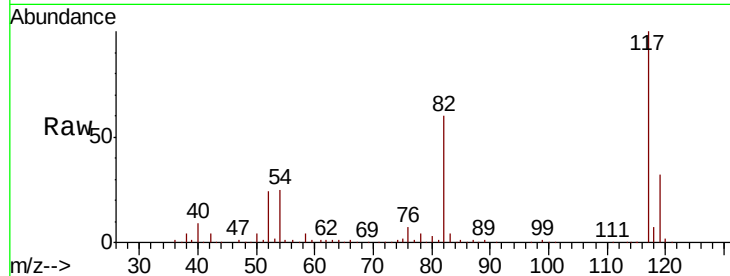




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.01 min
Lab File: VW011337.D
Acq: 18 Jul 2019 16:42

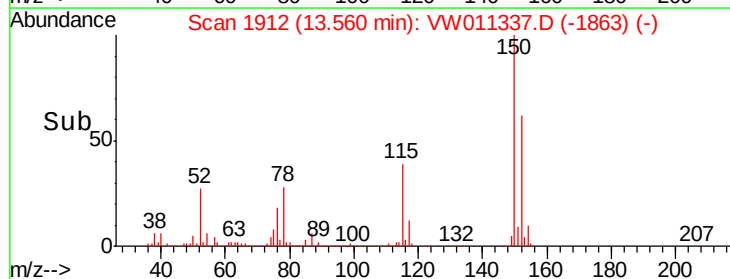
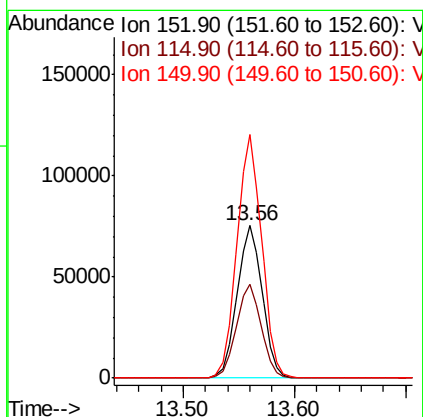
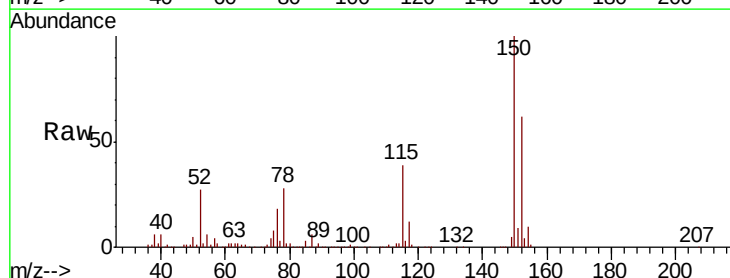
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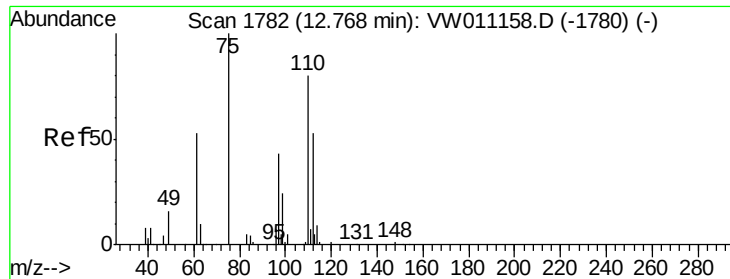
Tot Ion:117 Resp: 278020
Ion Ratio Lower Upper
117 100
82 60.0 48.9 73.3
119 31.9 25.0 37.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW011337.D
Acq: 18 Jul 2019 16:42

Tgt Ion:152 Resp: 117426
Ion Ratio Lower Upper
152 100
115 60.9 30.1 90.3
150 157.8 0.0 346.0





#76

1,2,3-Trichloropropane

Concen: 52.531 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.15 min

Lab File: VW011337.D

Acq: 18 Jul 2019 16:42

Instrument :

MSVOA_W

ClientSampleId :

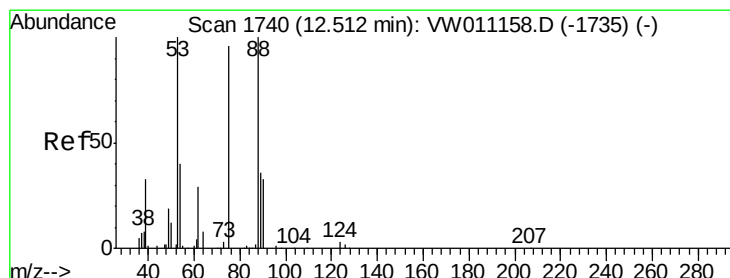
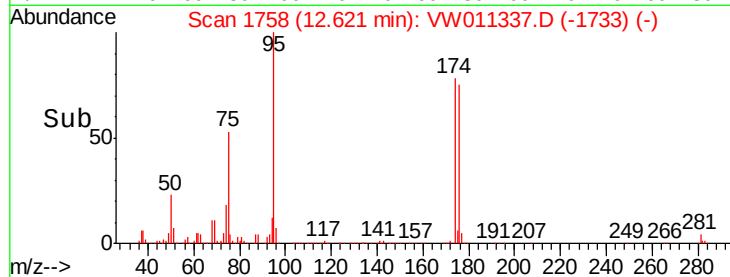
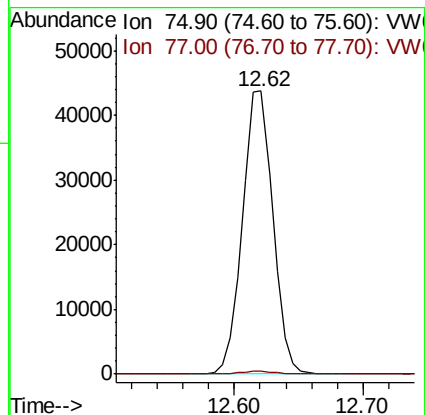
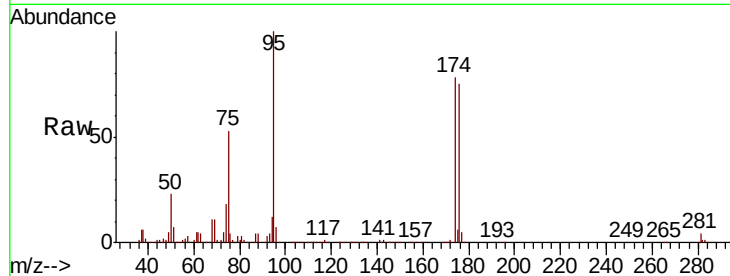
LA119SW005-SD-190712

Tot Ion: 75 Resp: 71285

Ion Ratio Lower Upper

75 100

77 1.5 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 118.815 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.11 min

Lab File: VW011337.D

Acq: 18 Jul 2019 16:42

Tgt Ion: 75 Resp: 71285

Ion Ratio Lower Upper

75 100

53 0.2 89.8 134.6#

89 0.0 34.3 51.5#

