

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW081219\
 Data File : VW011857.D
 Acq On : 12 Aug 2019 17:23
 Operator : SY/VA
 Sample : K4223-02RE
 Misc : 4.90G/5ML/MSVOA W/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 SP-1RE

Quant Time: Aug 13 08:38:40 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	165898	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	284496	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	92154	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	53578	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	106299	55.80	ug/l	0.00
Spiked Amount			Recovery	=	111.60%	
35) Dibromofluoromethane	7.88	113	22158	13.88	ug/l	0.00
Spiked Amount			Recovery	=	27.76%	
50) Toluene-d8	10.32	98	87041	13.32	ug/l	0.00
Spiked Amount			Recovery	=	26.64%	
62) 4-Bromofluorobenzene	12.62	95	57716	24.77	ug/l	0.00
Spiked Amount			Recovery	=	49.54%	

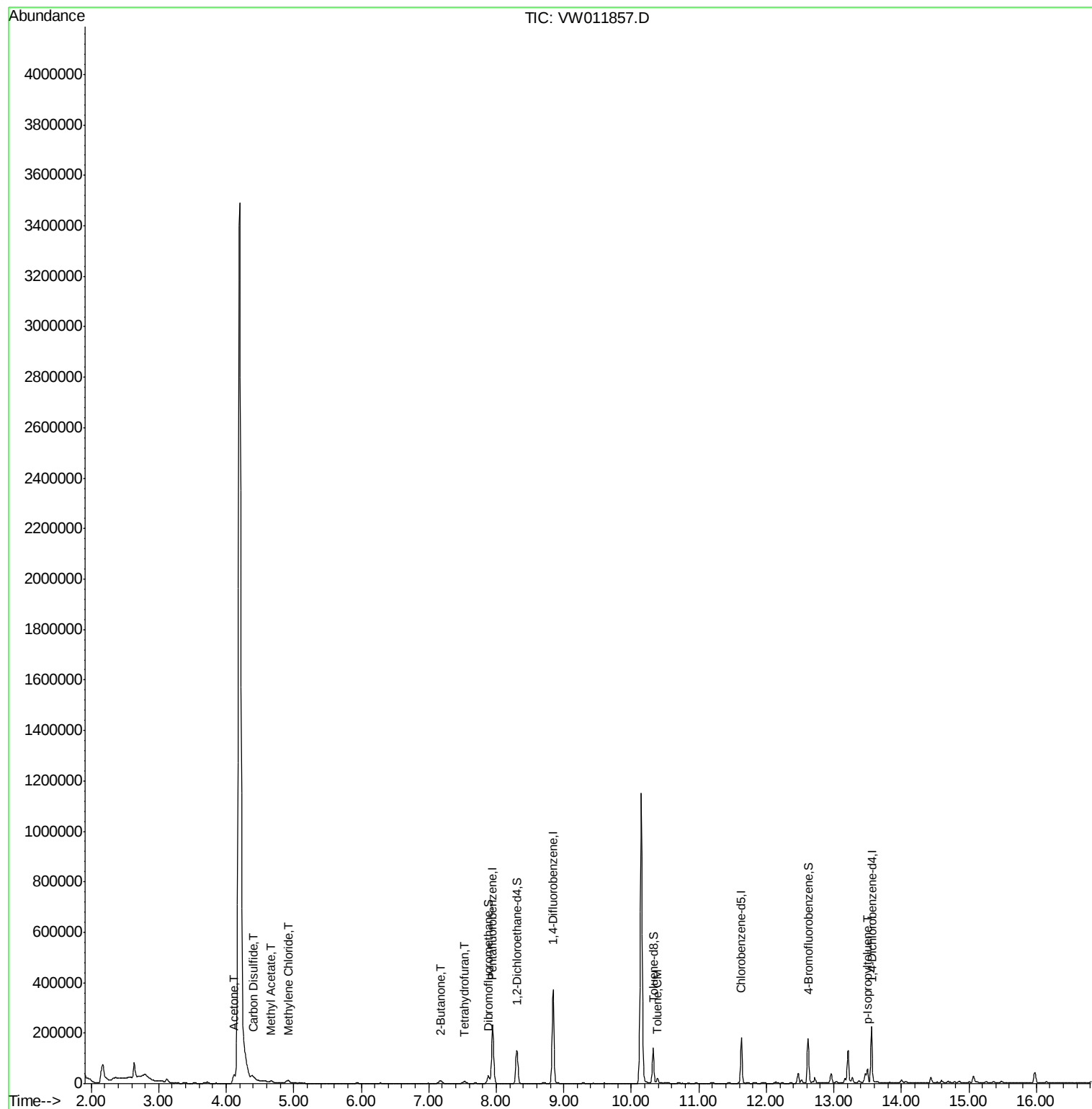
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	4.12	43	62042	102.385	ug/l	98
17) Carbon Disulfide	4.41	76	58402	10.800	ug/l	96
18) Methyl Acetate	4.67	43	15619	11.474	ug/l	99
20) Methylene Chloride	4.91	84	8521	4.077	ug/l	96
25) 2-Butanone	7.17	43	20554	25.922	ug/l	99
29) Tetrahydrofuran	7.53	42	6244	13.776	ug/l	97
52) Toluene	10.39	92	8087	1.616	ug/l	97
86) p-Isopropyltoluene	13.50	119	28428	7.837	ug/l	89

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

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Quant Title : SW846 8260
QLast Update : Sat Jul 27 00:23:30 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: VW011857.D

Acq: 12 Aug 2019 17:23

Instrument :

MSVOA_W

ClientSampleId :

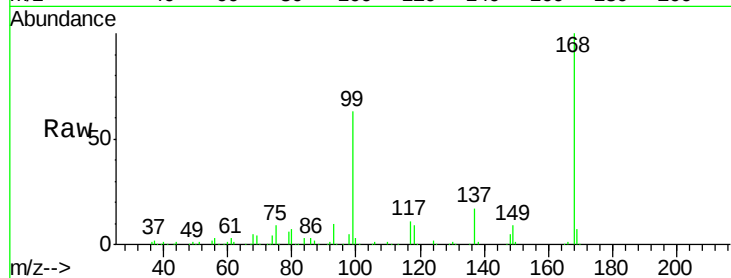
SP-1RE

Tot Ion:168 Resp: 165898

Ion Ratio Lower Upper

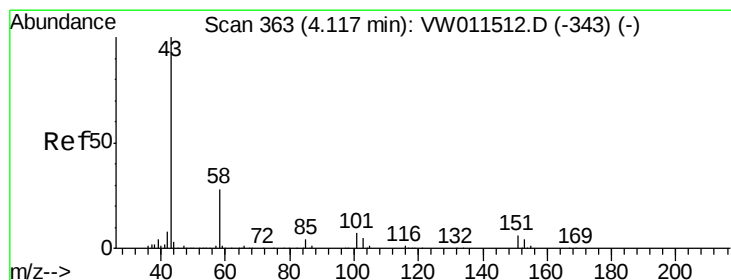
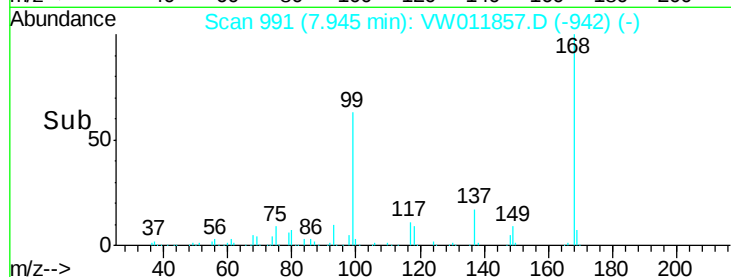
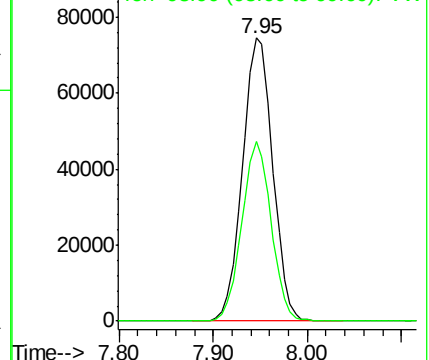
168 100

99 63.4 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#16

Acetone

Concen: 102.385 ug/l

RT: 4.12 min Scan# 363

Delta R.T. -0.00 min

Lab File: VW011857.D

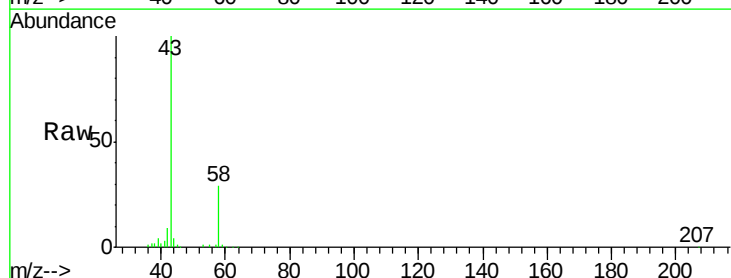
Acq: 12 Aug 2019 17:23

Tgt Ion: 43 Resp: 62042

Ion Ratio Lower Upper

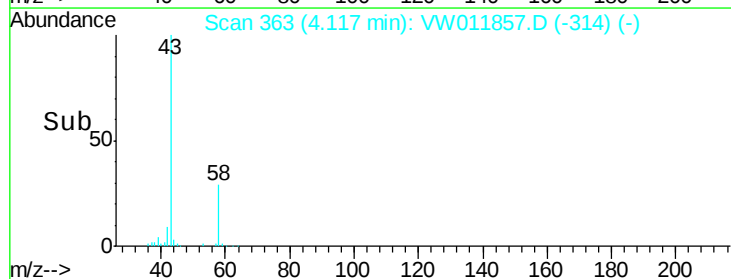
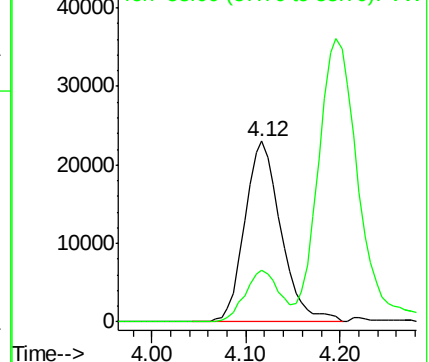
43 100

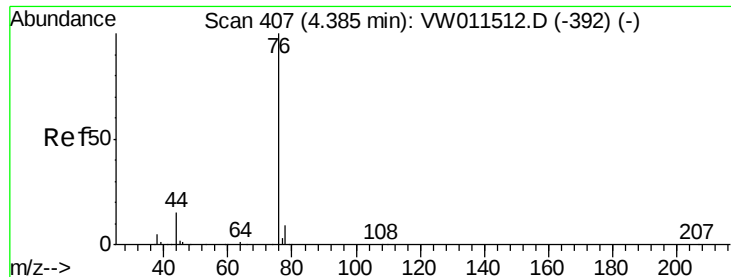
58 28.9 22.3 33.5



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

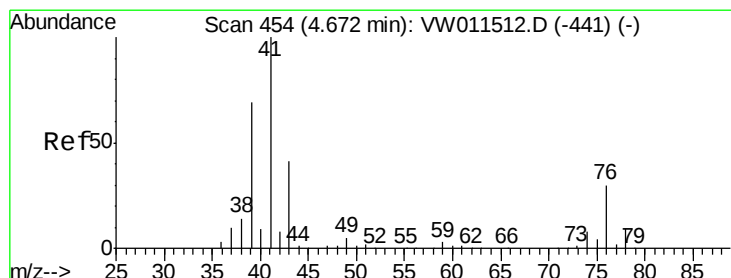
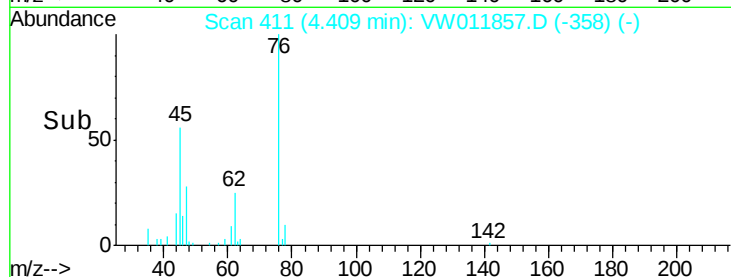
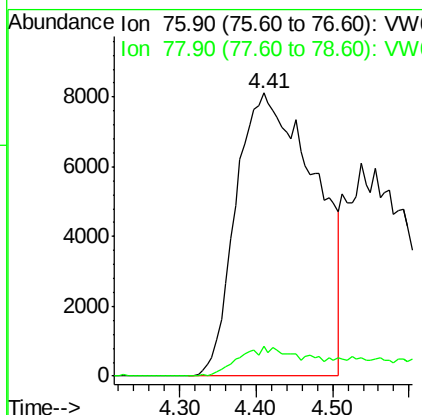
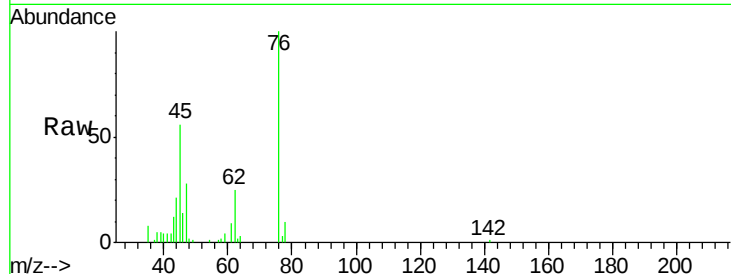




#17
Carbon Disulfide
Concen: 10.800 ug/l
RT: 4.41 min Scan# 411
Delta R.T. 0.02 min
Lab File: VW011857.D
Acq: 12 Aug 2019 17:23

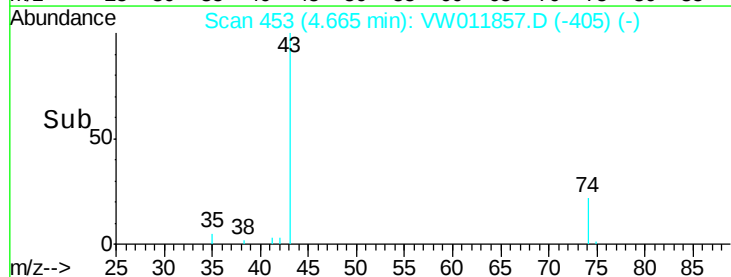
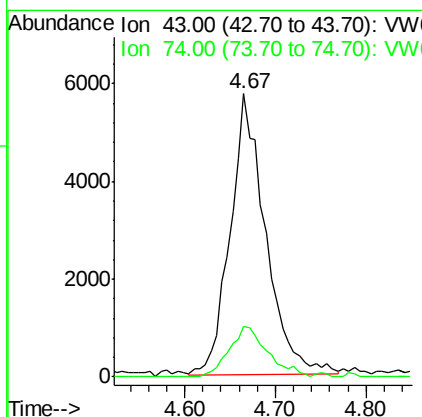
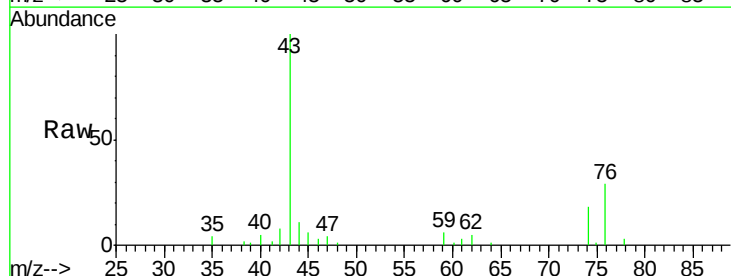
Instrument :
MSVOA_W
ClientSampled :
SP-1RE

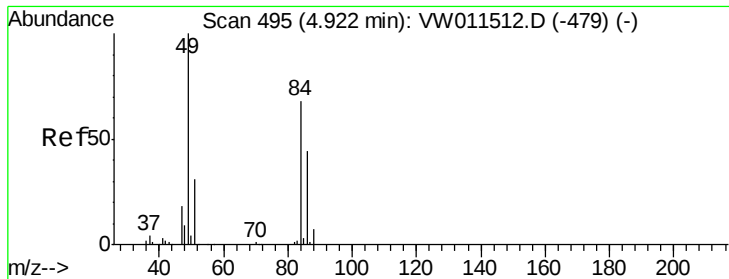
Tot Ion: 76 Resp: 58402
Ion Ratio Lower Upper
76 100
78 10.4 7.1 10.7



#18
Methyl Acetate
Concen: 11.474 ug/l
RT: 4.67 min Scan# 453
Delta R.T. -0.01 min
Lab File: VW011857.D
Acq: 12 Aug 2019 17:23

Tgt Ion: 43 Resp: 15619
Ion Ratio Lower Upper
43 100
74 19.3 15.9 23.9

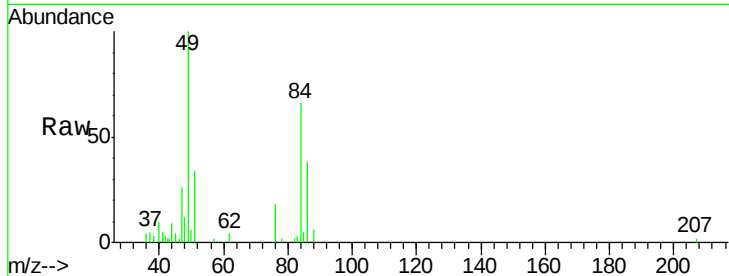




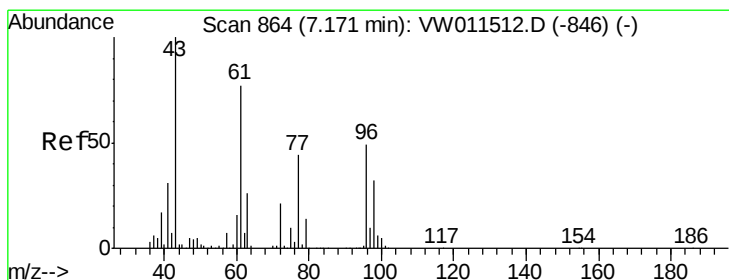
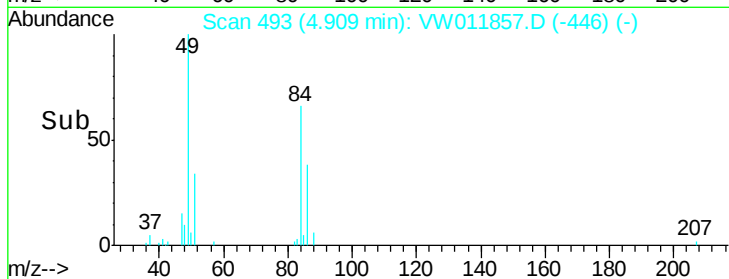
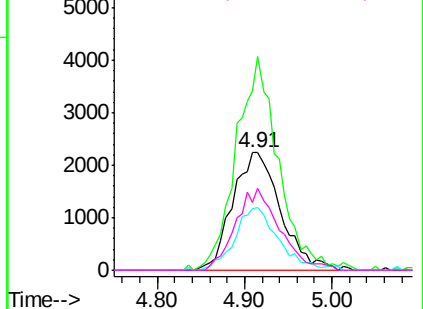
#20
Methylene Chloride
Concen: 4.077 ug/l
RT: 4.91 min Scan# 493
Delta R.T. -0.01 min
Lab File: VW011857.D
Acq: 12 Aug 2019 17:23

Instrument :
MSVOA_W
ClientSampled :
SP-1RE

Tot Ion:	84	Resp:	8521
Ion	Ratio	Lower	Upper
84	100		
49	148.4	117.8	176.6
51	49.8	37.0	55.4
86	57.9	51.8	77.8

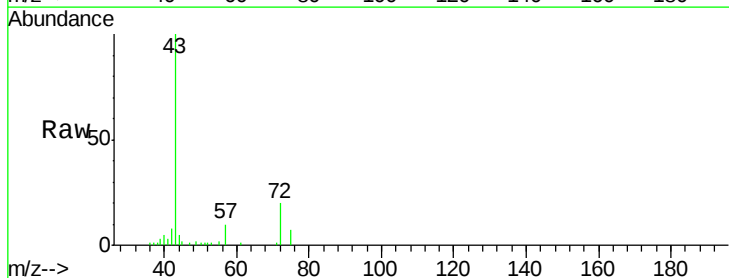


Abundance Ion 83.90 (83.60 to 84.60): VW
Ion 48.90 (48.60 to 49.60): VW
Ion 50.90 (50.60 to 51.60): VW
Ion 85.90 (85.60 to 86.60): VW

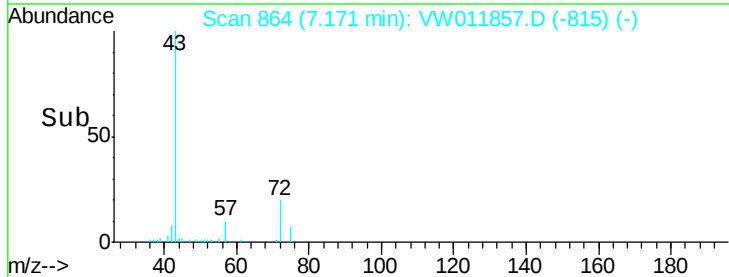
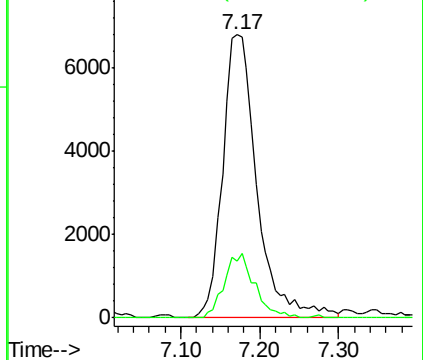


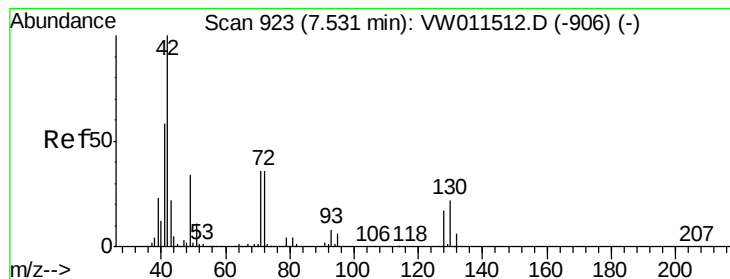
#25
2-Butanone
Concen: 25.922 ug/l
RT: 7.17 min Scan# 864
Delta R.T. -0.00 min
Lab File: VW011857.D
Acq: 12 Aug 2019 17:23

Tgt Ion:	43	Resp:	20554
Ion	Ratio	Lower	Upper
43	100		
72	20.2	16.6	24.8



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 72.00 (71.70 to 72.70): VW





#29

Tetrahydrofuran

Concen: 13.776 ug/l

RT: 7.53 min Scan# 923

Delta R.T. -0.00 min

Lab File: VW011857.D

Acq: 12 Aug 2019 17:23

Instrument :

MSVOA_W

ClientSampled :

SP-1RE

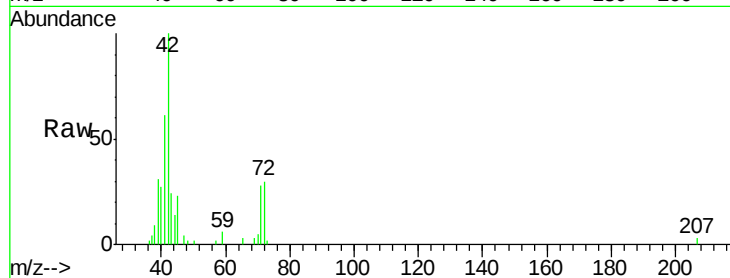
Tot Ion: 42 Resp: 6244

Ion Ratio Lower Upper

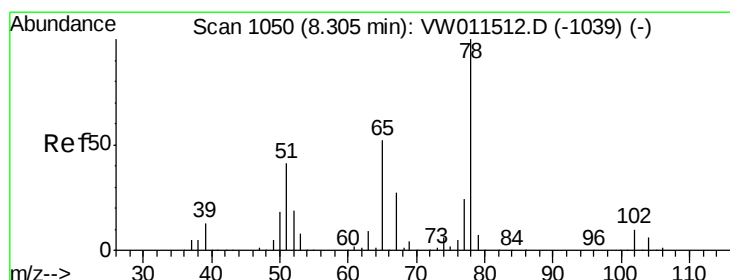
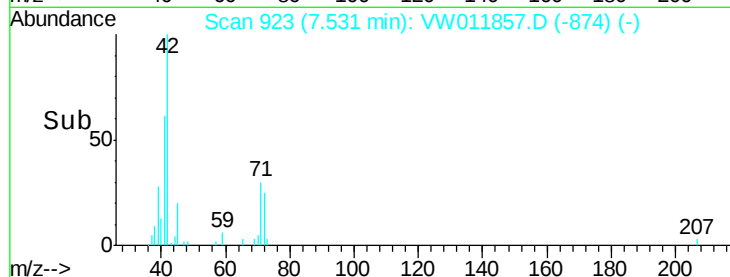
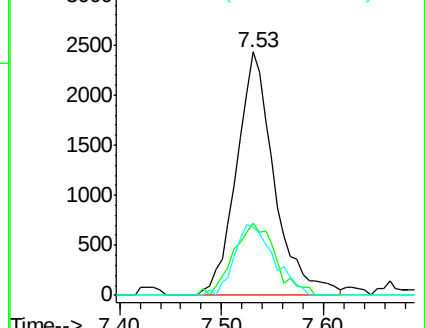
42 100

72 33.2 27.1 40.7

71 30.3 26.2 39.4



Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW



#33

1,2-Dichloroethane-d4

Concen: 55.801 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW011857.D

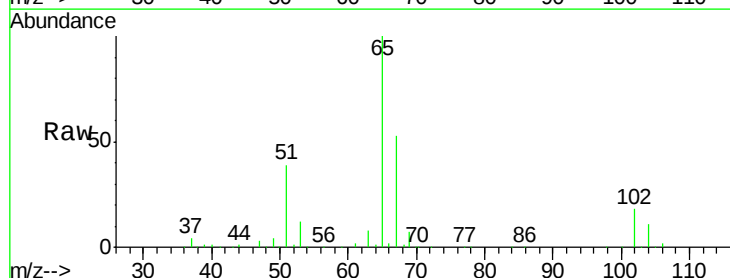
Acq: 12 Aug 2019 17:23

Tgt Ion: 65 Resp: 106299

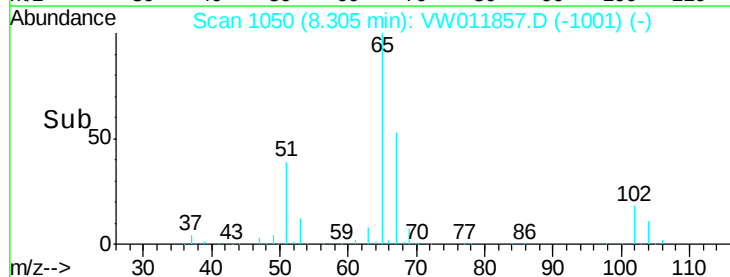
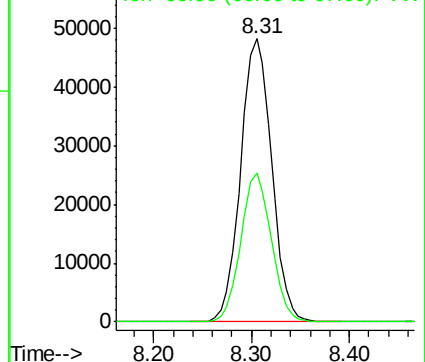
Ion Ratio Lower Upper

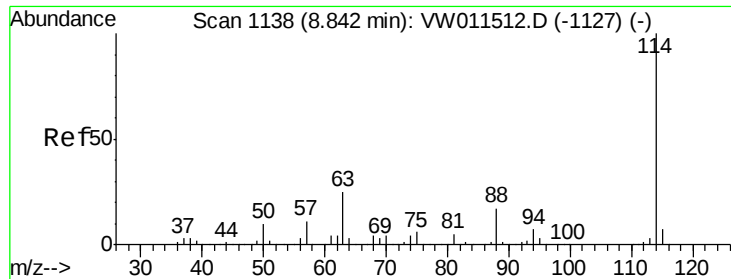
65 100

67 51.7 0.0 105.2



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

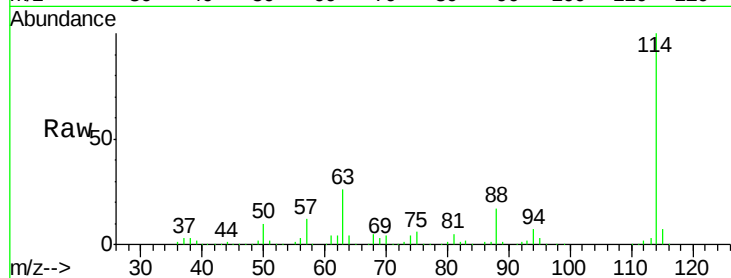




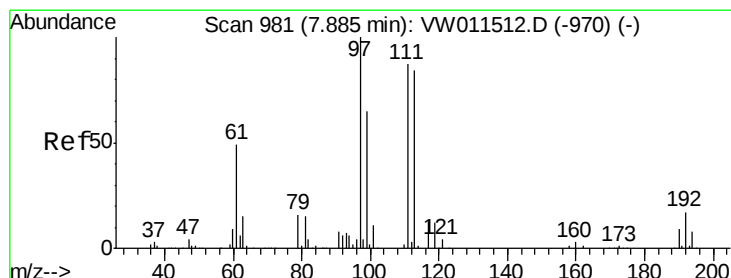
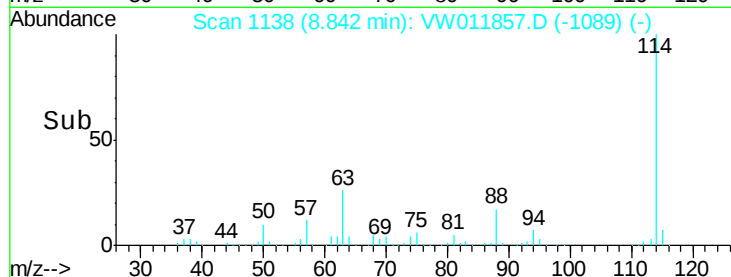
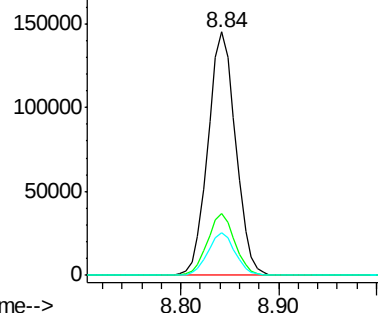
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW011857.D
 Acq: 12 Aug 2019 17:23

Instrument :
 MSVOA_W
 ClientSampleId :
 SP-1RE

Tot Ion	Ratio	Lower	Upper
114	100		
63	25.7	0.0	49.2
88	17.3	0.0	33.8

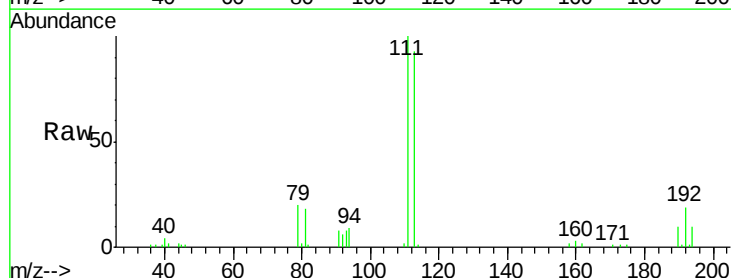


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VV
 Ion 87.90 (87.60 to 88.60): VV

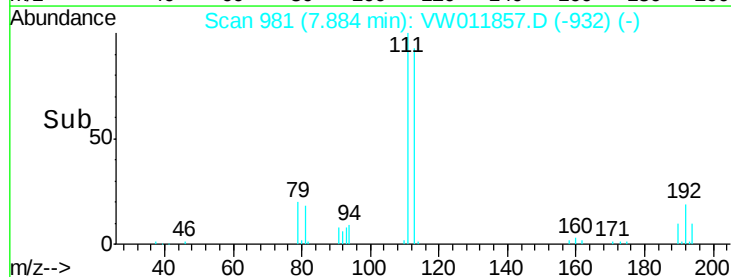
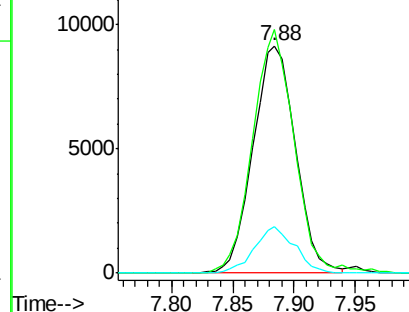


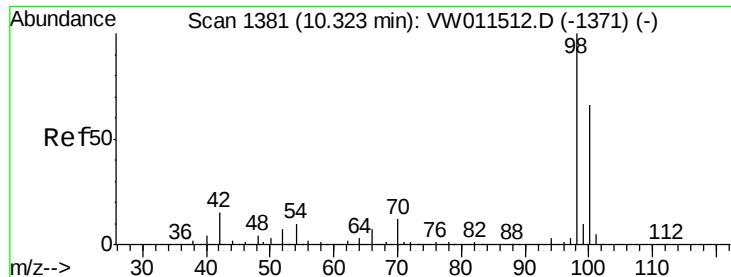
#35
 Dibromofluoromethane
 Concen: 13.883 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: VW011857.D
 Acq: 12 Aug 2019 17:23

Tgt Ion	Ratio	Lower	Upper
113	100		
111	104.7	82.7	124.1
192	19.3	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





#50

Toluene-d8

Concen: 13.320 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VW011857.D

Acq: 12 Aug 2019 17:23

Instrument :

MSVOA_W

ClientSampled :

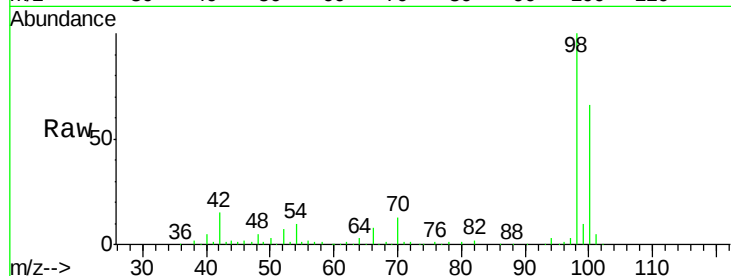
SP-1RE

Tot Ion: 98 Resp: 87041

Ion Ratio Lower Upper

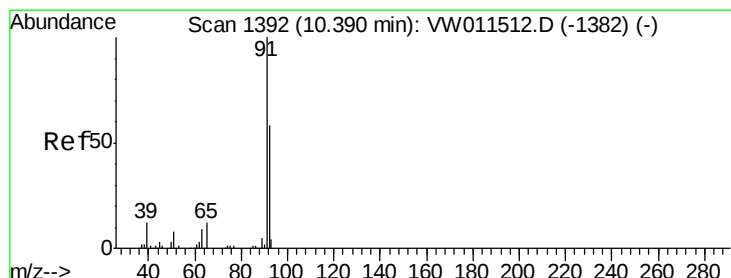
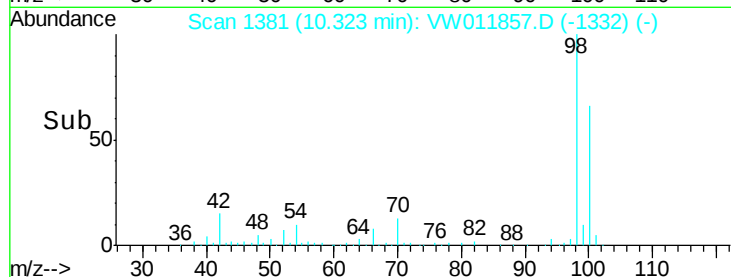
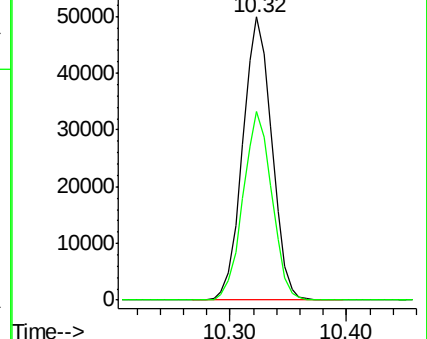
98 100

100 65.9 52.7 79.1



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW



#52

Toluene

Concen: 1.616 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW011857.D

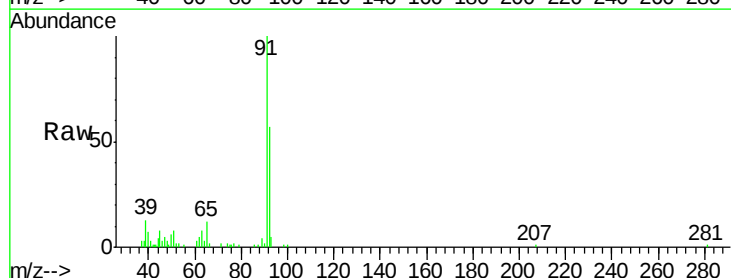
Acq: 12 Aug 2019 17:23

Tgt Ion: 92 Resp: 8087

Ion Ratio Lower Upper

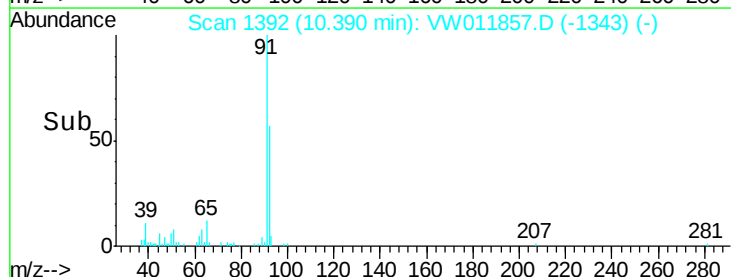
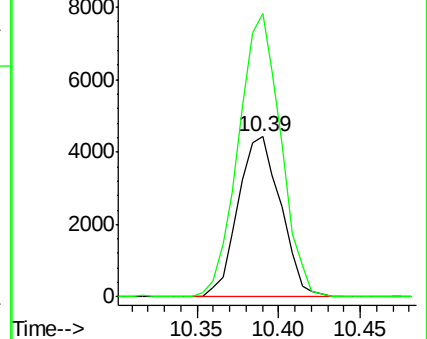
92 100

91 174.5 136.7 205.1



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW





#62

4-Bromofluorobenzene

Concen: 24.773 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.01 min

Lab File: VW011857.D

Acq: 12 Aug 2019 17:23

Instrument :

MSVOA_W

ClientSampleId :

SP-1RE

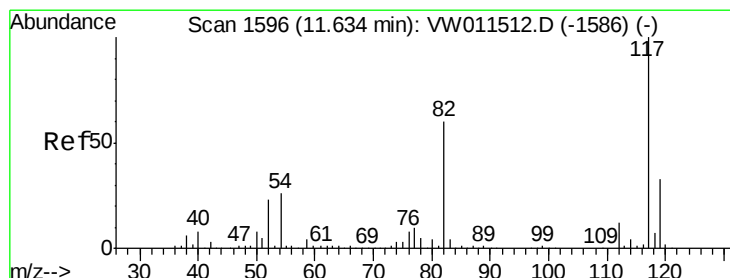
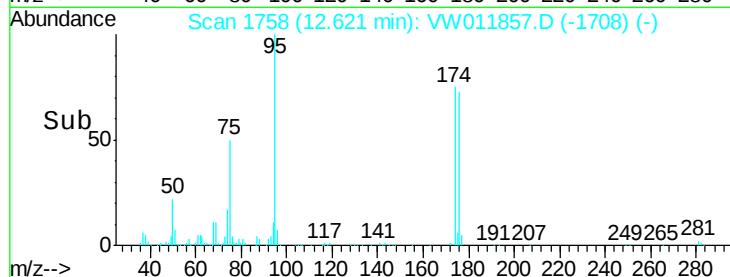
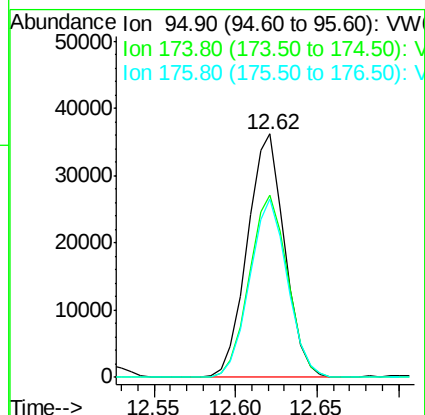
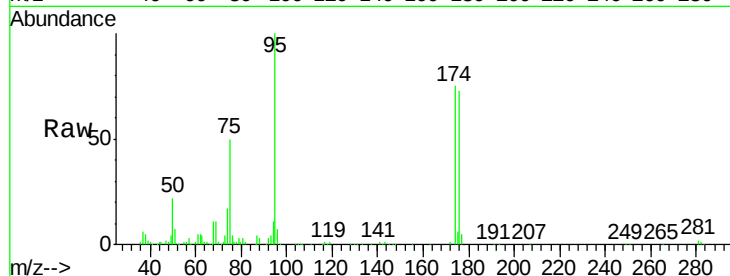
Tot Ion: 95 Resp: 57716

Ion Ratio Lower Upper

95 100

174 76.8 0.0 150.2

176 73.8 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: VW011857.D

Acq: 12 Aug 2019 17:23

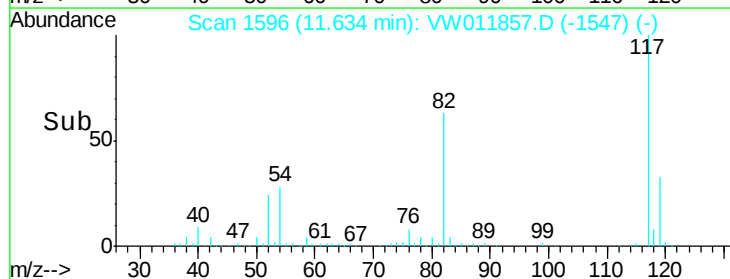
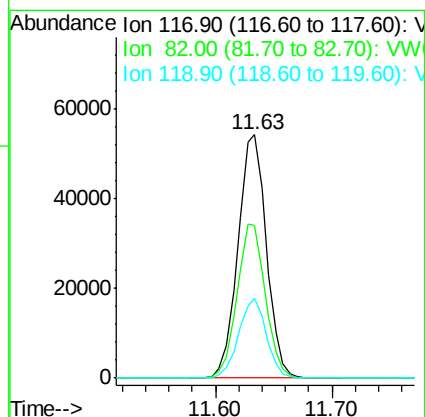
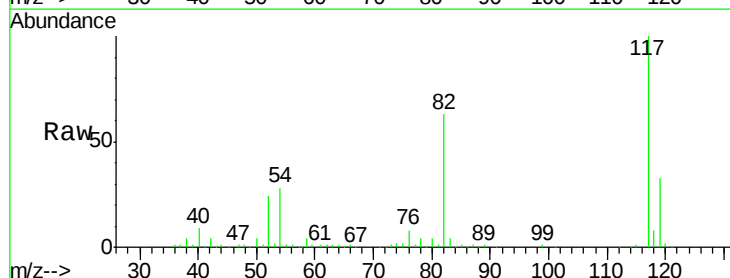
Tgt Ion: 117 Resp: 92154

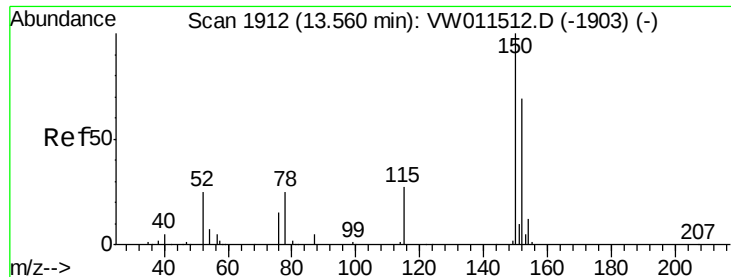
Ion Ratio Lower Upper

117 100

82 62.7 47.9 71.9

119 32.6 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: VW011857.D

Acq: 12 Aug 2019 17:23

Instrument :

MSVOA_W

ClientSampleId :

SP-1RE

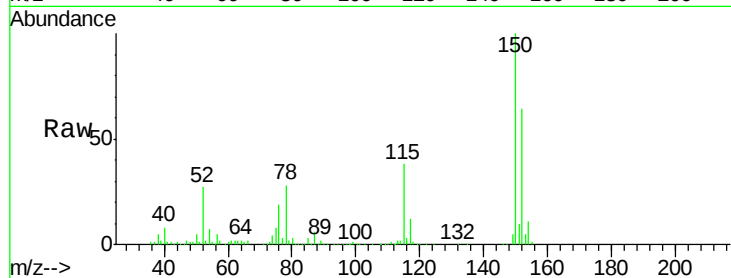
Tot Ion:152 Resp: 53578

Ion Ratio Lower Upper

152 100

115 60.2 30.5 91.5

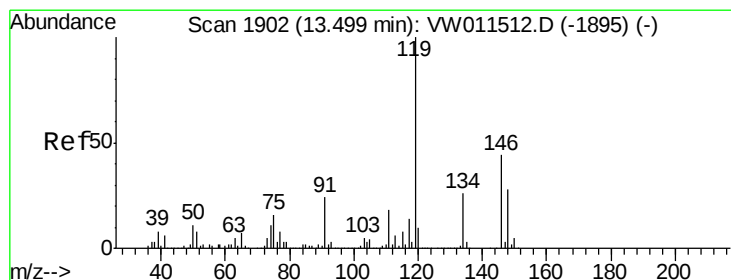
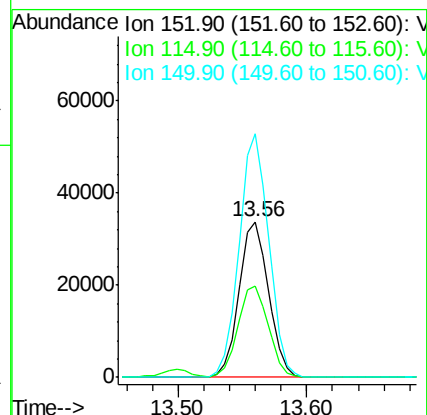
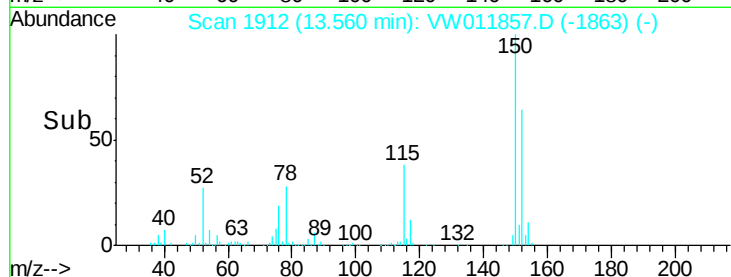
150 157.4 0.0 352.6



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



#86

p-Isopropyltoluene

Concen: 7.837 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW011857.D

Acq: 12 Aug 2019 17:23

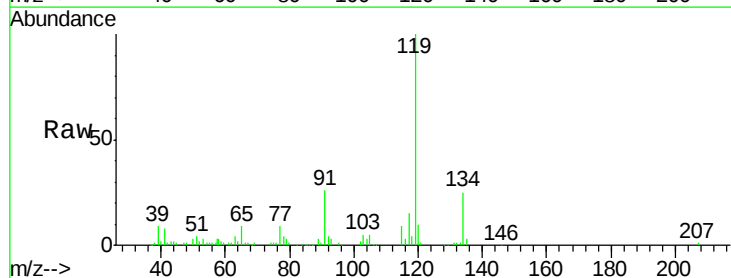
Tgt Ion:119 Resp: 28428

Ion Ratio Lower Upper

119 100

134 26.2 12.8 38.4

91 35.2 12.1 36.3



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

