

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW082619\
 Data File : VW012166.D
 Acq On : 26 Aug 2019 12:31
 Operator : SY/VA
 Sample : K4477-11
 Misc : 6.18G/5ML/MSVOA W/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 TP-2(1-3)

Quant Time: Aug 27 05:19:58 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W082319S.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 26 07:18:31 2019
 Response via : Initial Calibration

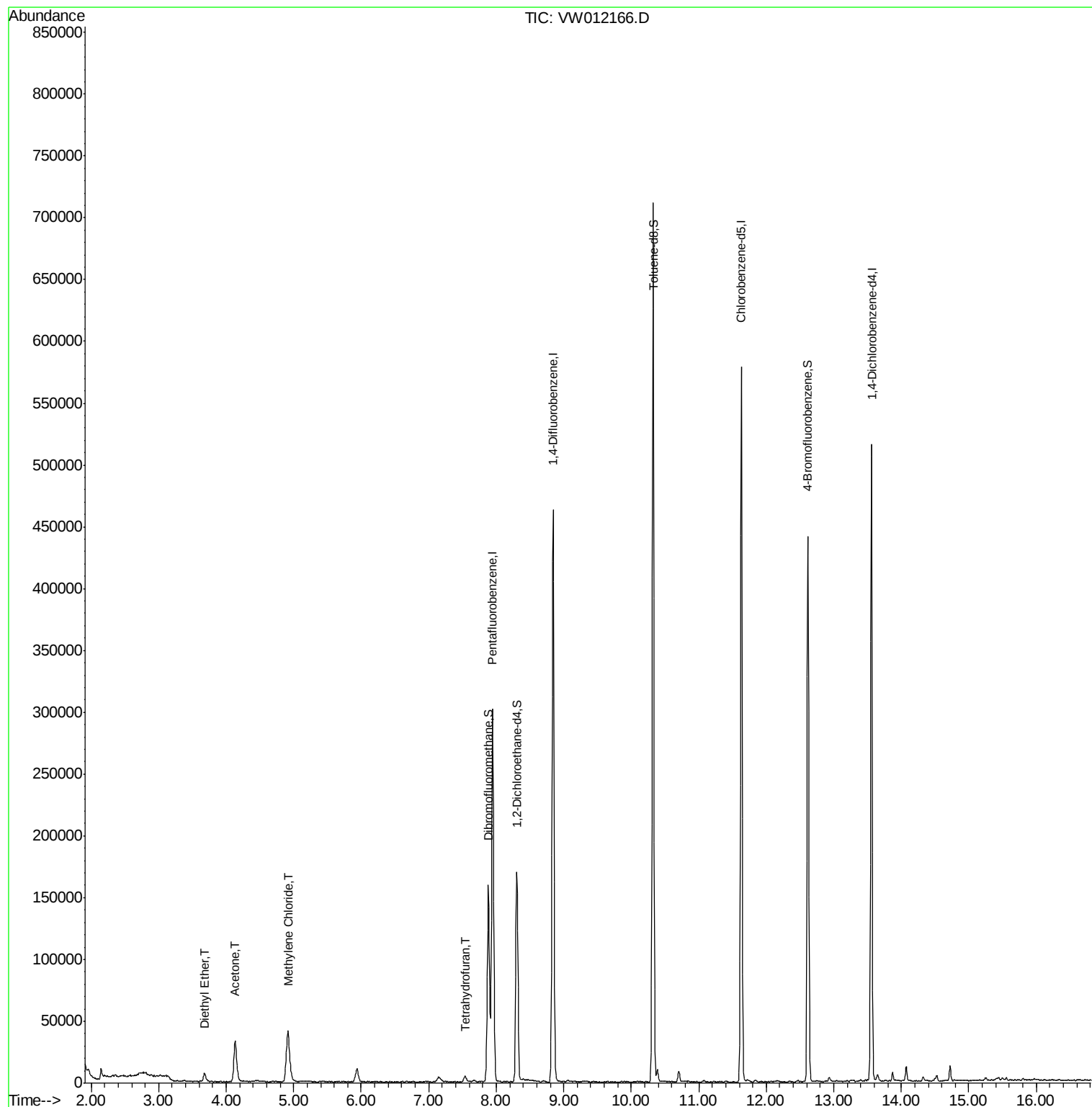
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	213229	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	360002	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	304294	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	126034	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	138766	54.74	ug/l	0.00
Spiked Amount 50.000			Recovery	=	109.48%	
35) Dibromofluoromethane	7.88	113	111749	52.00	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.00%	
50) Toluene-d8	10.32	98	441150	50.63	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.26%	
62) 4-Bromofluorobenzene	12.62	95	142438	46.38	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.76%	
Target Compounds						
8) Diethyl Ether	3.68	74	3478	2.931	ug/l	89
16) Acetone	4.14	43	67226	103.753	ug/l	94
20) Methylene Chloride	4.92	84	31097	12.695	ug/l	97
29) Tetrahydrofuran	7.54	42	4087	7.737	ug/l	96

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

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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: VW012166.D

Acq: 26 Aug 2019 12:31

Instrument :

MSVOA_W

ClientSampleId :

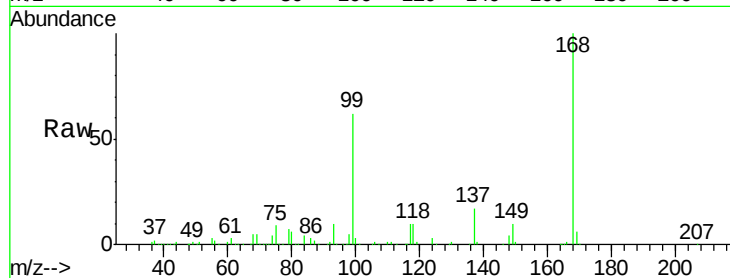
TP-2(1-3)

Tot Ion:168 Resp: 213229

Ion Ratio Lower Upper

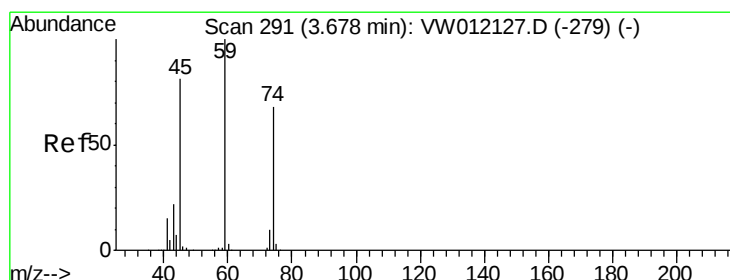
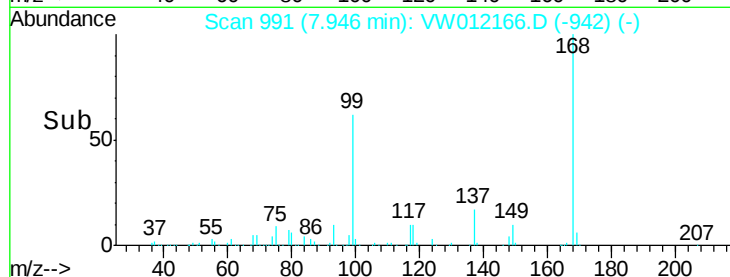
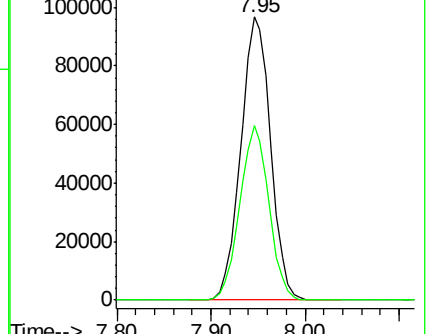
168 100

99 61.8 49.2 73.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#8

Diethyl Ether

Concen: 2.931 ug/l

RT: 3.68 min Scan# 291

Delta R.T. 0.00 min

Lab File: VW012166.D

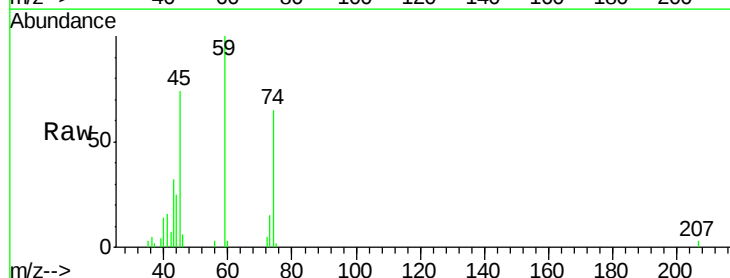
Acq: 26 Aug 2019 12:31

Tgt Ion: 74 Resp: 3478

Ion Ratio Lower Upper

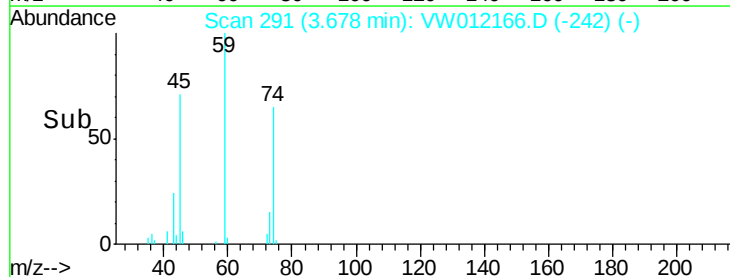
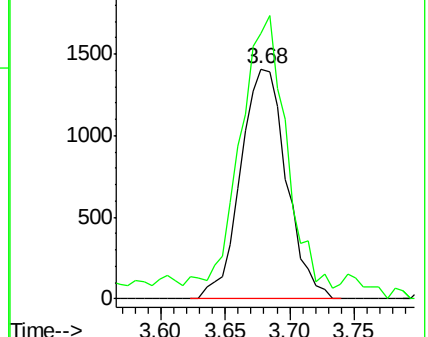
74 100

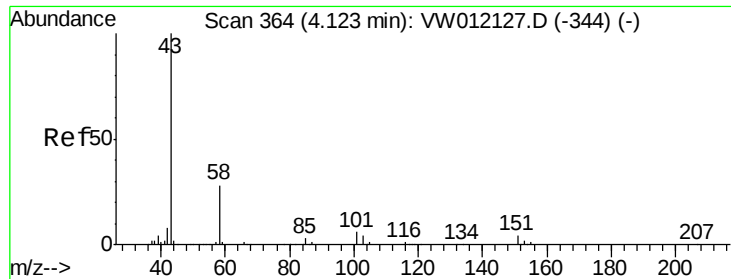
45 130.4 59.2 177.6



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW

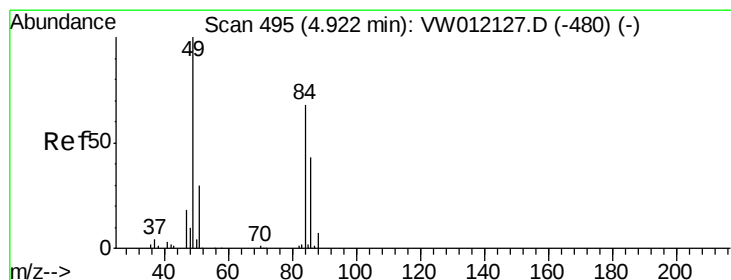
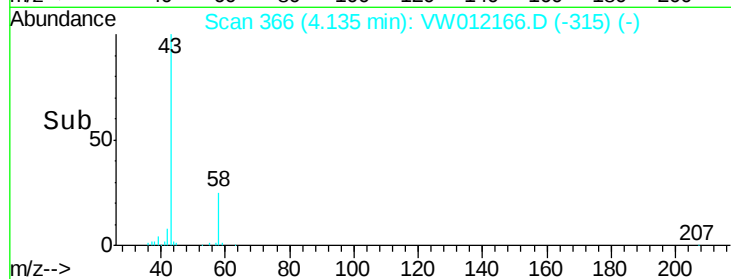
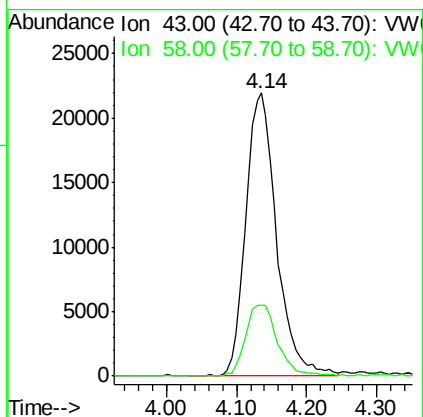
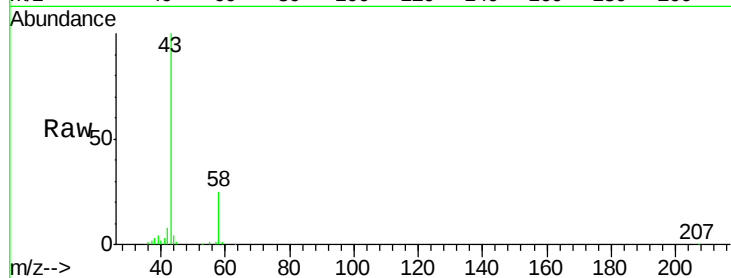




#16
Acetone
Concen: 103.753 ug/l
RT: 4.14 min Scan# 366
Delta R.T. 0.01 min
Lab File: VW012166.D
Acq: 26 Aug 2019 12:31

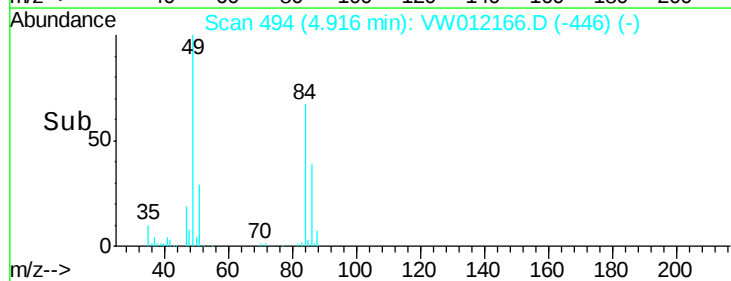
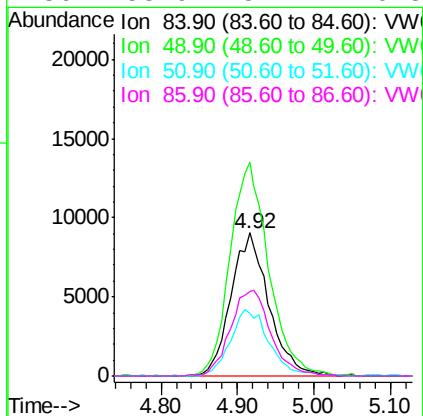
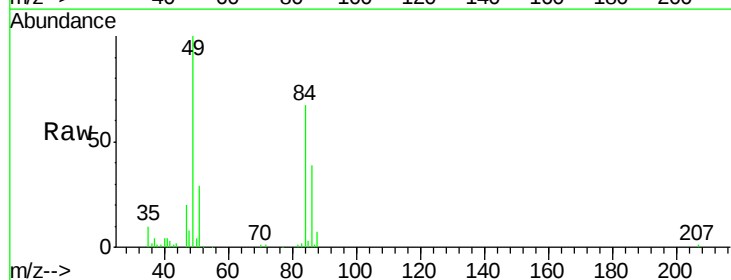
Instrument :
MSVOA_W
ClientSampleId :
TP-2(1-3)

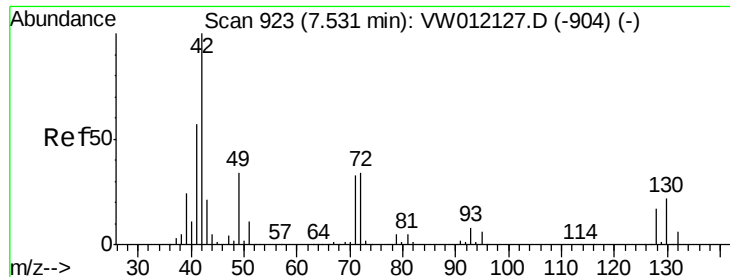
Tot Ion: 43 Resp: 67226
Ion Ratio Lower Upper
43 100
58 25.0 22.4 33.6



#20
Methylene Chloride
Concen: 12.695 ug/l
RT: 4.92 min Scan# 494
Delta R.T. -0.01 min
Lab File: VW012166.D
Acq: 26 Aug 2019 12:31

Tgt Ion: 84 Resp: 31097
Ion Ratio Lower Upper
84 100
49 149.4 117.8 176.8
51 43.6 35.6 53.4
86 58.9 51.2 76.8





#29

Tetrahydrofuran

Concen: 7.737 ug/l

RT: 7.54 min Scan# 925

Delta R.T. 0.01 min

Lab File: VW012166.D

Acq: 26 Aug 2019 12:31

Instrument :

MSVOA_W

ClientSampleId :

TP-2(1-3)

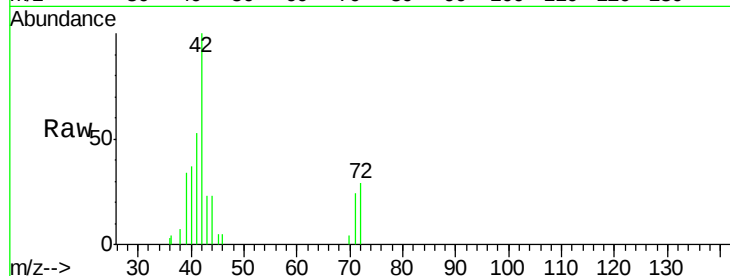
Tot Ion: 42 Resp: 4087

Ion Ratio Lower Upper

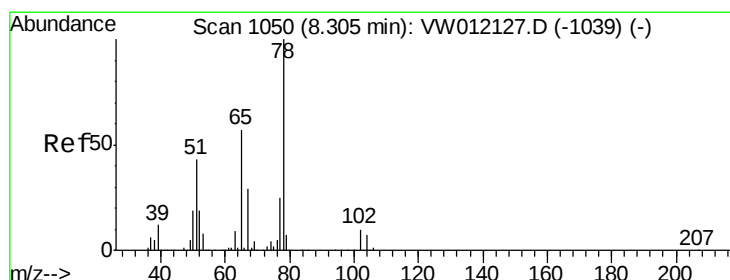
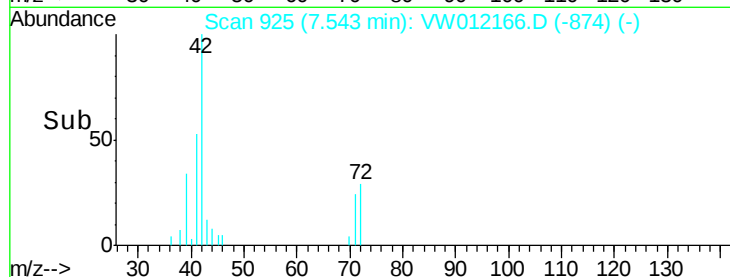
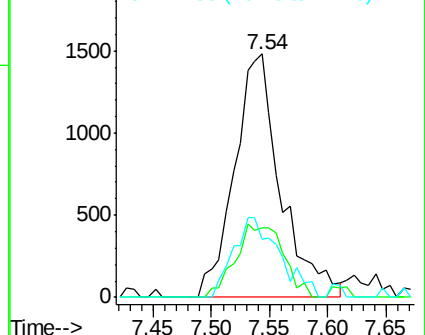
42 100

72 30.9 27.3 40.9

71 32.7 25.5 38.3



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: 54.745 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW012166.D

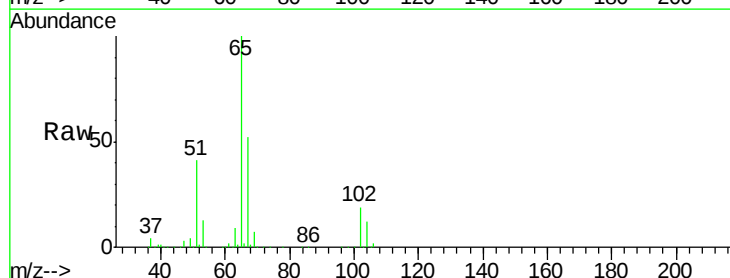
Acq: 26 Aug 2019 12:31

Tgt Ion: 65 Resp: 138766

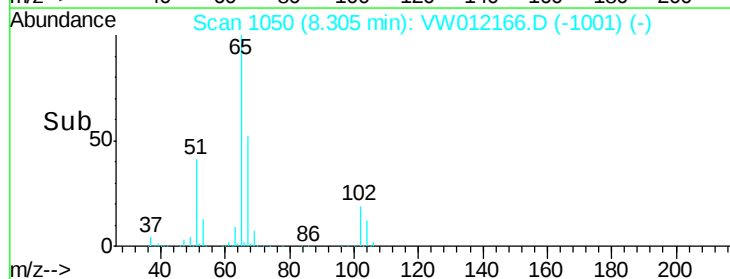
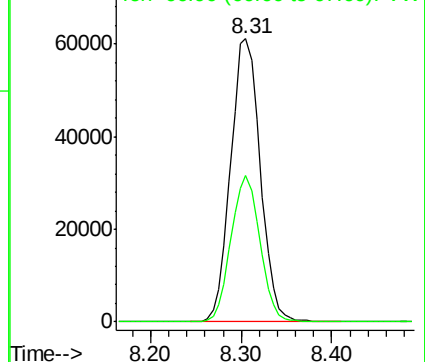
Ion Ratio Lower Upper

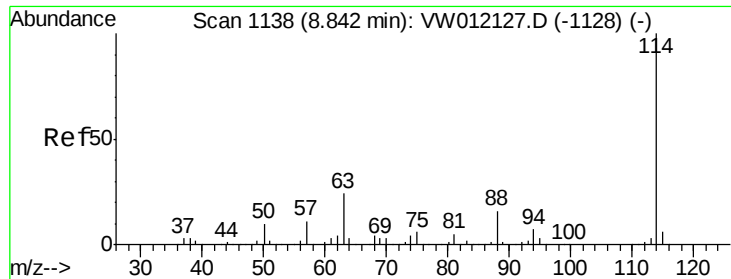
65 100

67 50.6 0.0 102.6



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

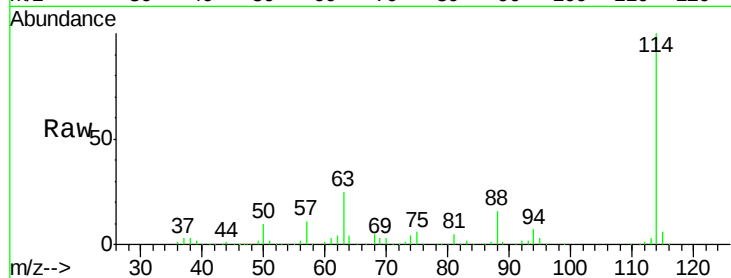




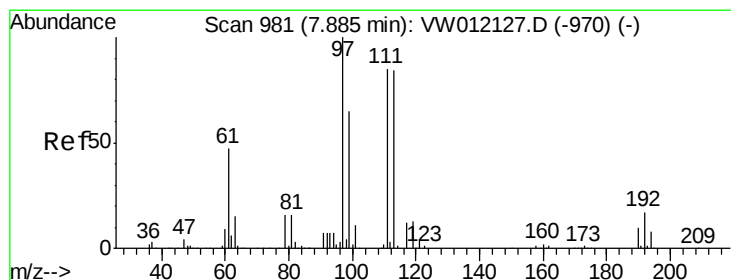
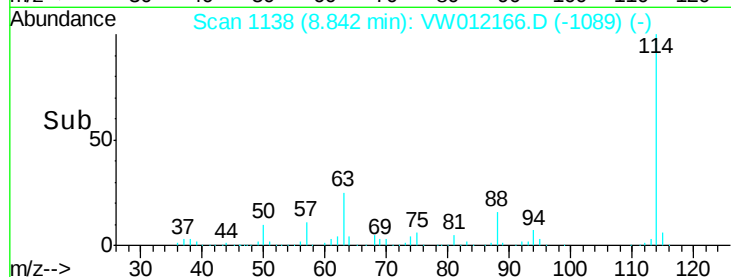
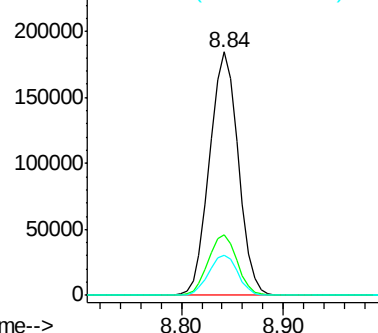
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW012166.D
 Acq: 26 Aug 2019 12:31

Instrument :
 MSVOA_W
 ClientSampleId :
 TP-2(1-3)

Tot Ion:114 Resp: 360002
 Ion Ratio Lower Upper
 114 100
 63 25.0 0.0 48.6
 88 16.4 0.0 32.2

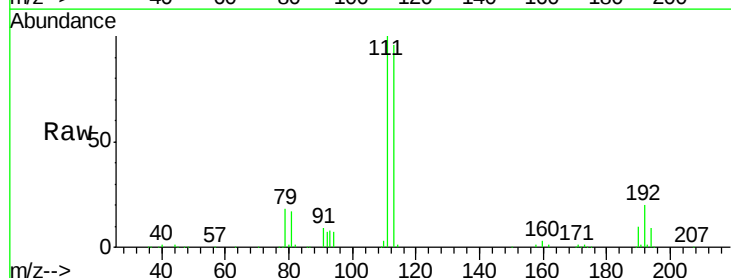


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VW
 Ion 87.90 (87.60 to 88.60): VW

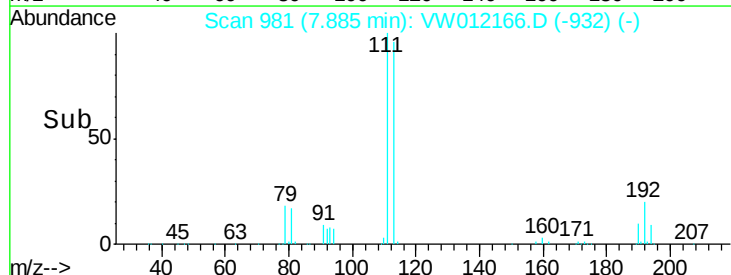
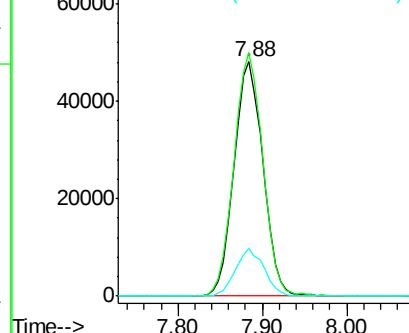


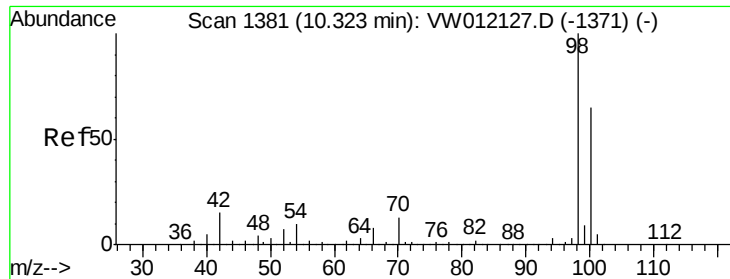
#35
 Dibromofluoromethane
 Concen: 52.004 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW012166.D
 Acq: 26 Aug 2019 12:31

Tgt Ion:113 Resp: 111749
 Ion Ratio Lower Upper
 113 100
 111 103.9 82.7 124.1
 192 20.2 16.2 24.2



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: 50.631 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW012166.D

Acq: 26 Aug 2019 12:31

Instrument :

MSVOA_W

ClientSampled :

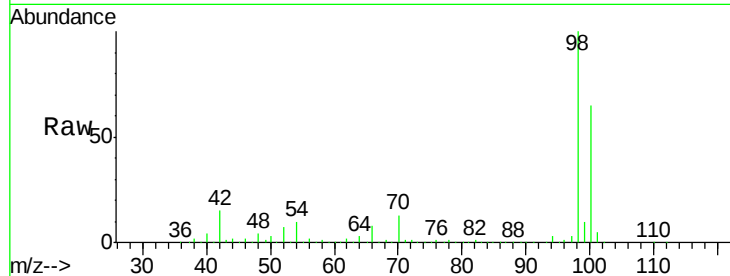
TP-2(1-3)

Tot Ion: 98 Resp: 441150

Ion Ratio Lower Upper

98 100

100 64.6 52.4 78.6



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

300000

250000

200000

150000

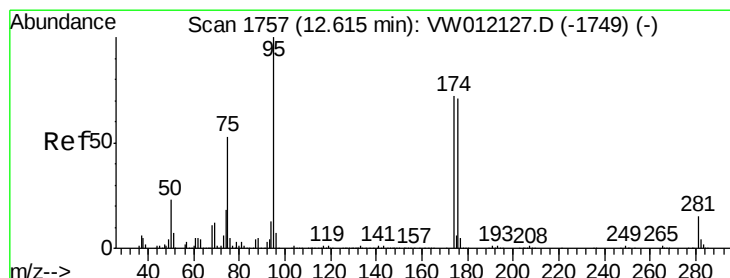
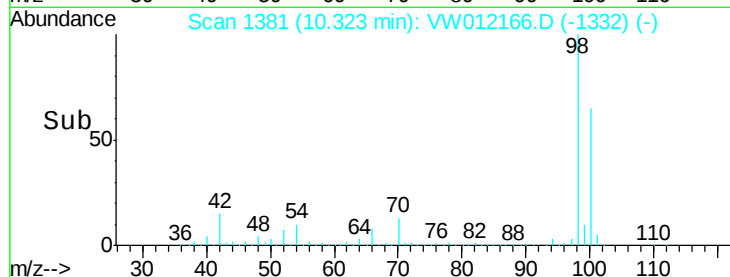
100000

50000

0

10.20 10.30 10.40 10.50

Time-->



#62

4-Bromofluorobenzene

Concen: 46.377 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VW012166.D

Acq: 26 Aug 2019 12:31

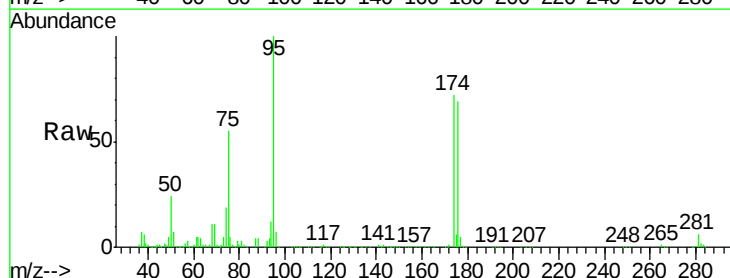
Tgt Ion: 95 Resp: 142438

Ion Ratio Lower Upper

95 100

174 75.5 0.0 150.8

176 73.2 0.0 148.6



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

120000

100000

80000

60000

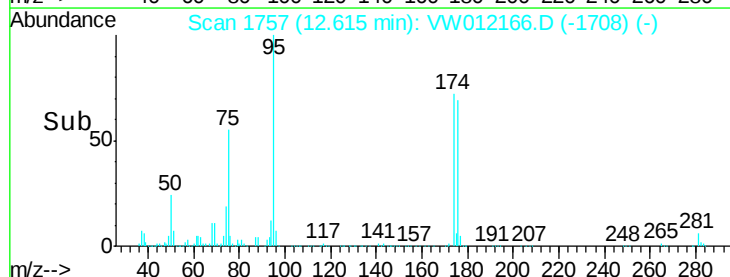
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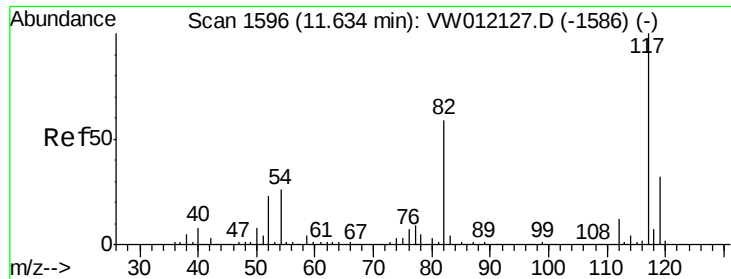
20000

0

12.50 12.60 12.70

Time-->

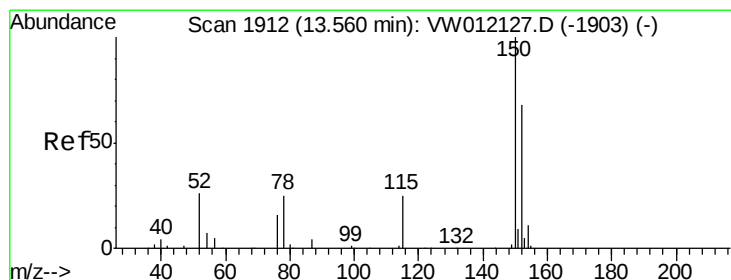
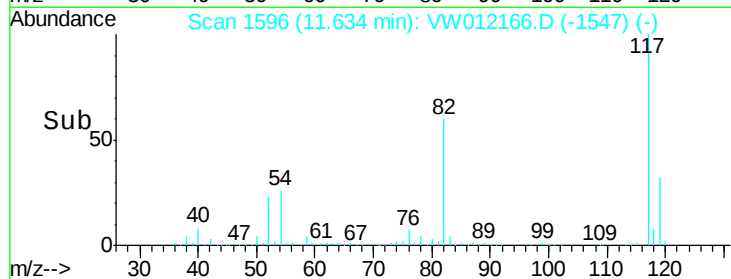
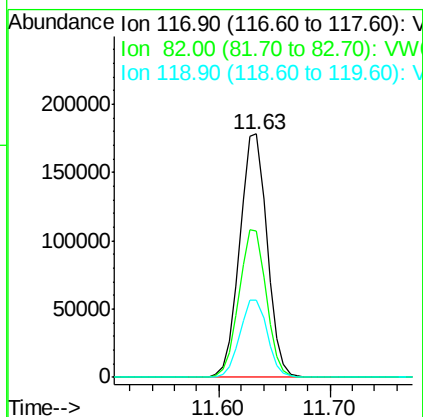
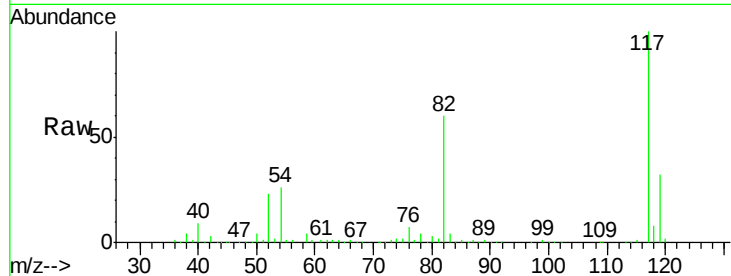




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW012166.D
Acq: 26 Aug 2019 12:31

Instrument :
MSVOA_W
ClientSampleId :
TP-2(1-3)

Tot Ion:117 Resp: 304294
Ion Ratio Lower Upper
117 100
82 60.2 47.4 71.2
119 31.8 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW012166.D
Acq: 26 Aug 2019 12:31

Tgt Ion:152 Resp: 126034
Ion Ratio Lower Upper
152 100
115 61.6 30.1 90.3
150 157.8 0.0 345.8

