

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW082018\
 Data File : VW004815.D
 Acq On : 21 Aug 2018 03:18
 Operator : SY/AP
 Sample : J4500-21
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 ROCK

Quant Time: Aug 21 07:41:09 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W081918S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 18 01:49:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	555364	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	910482	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	776927	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	361756	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	281952	52.51	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.02%	
35) Dibromofluoromethane	7.89	113	278267	47.82	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.64%	
50) Toluene-d8	10.33	98	758270	33.38	ug/l	0.00
Spiked Amount 50.000			Recovery	=	66.76%	
62) 4-Bromofluorobenzene	12.62	95	307200	37.59	ug/l	0.00
Spiked Amount 50.000			Recovery	=	75.18%	

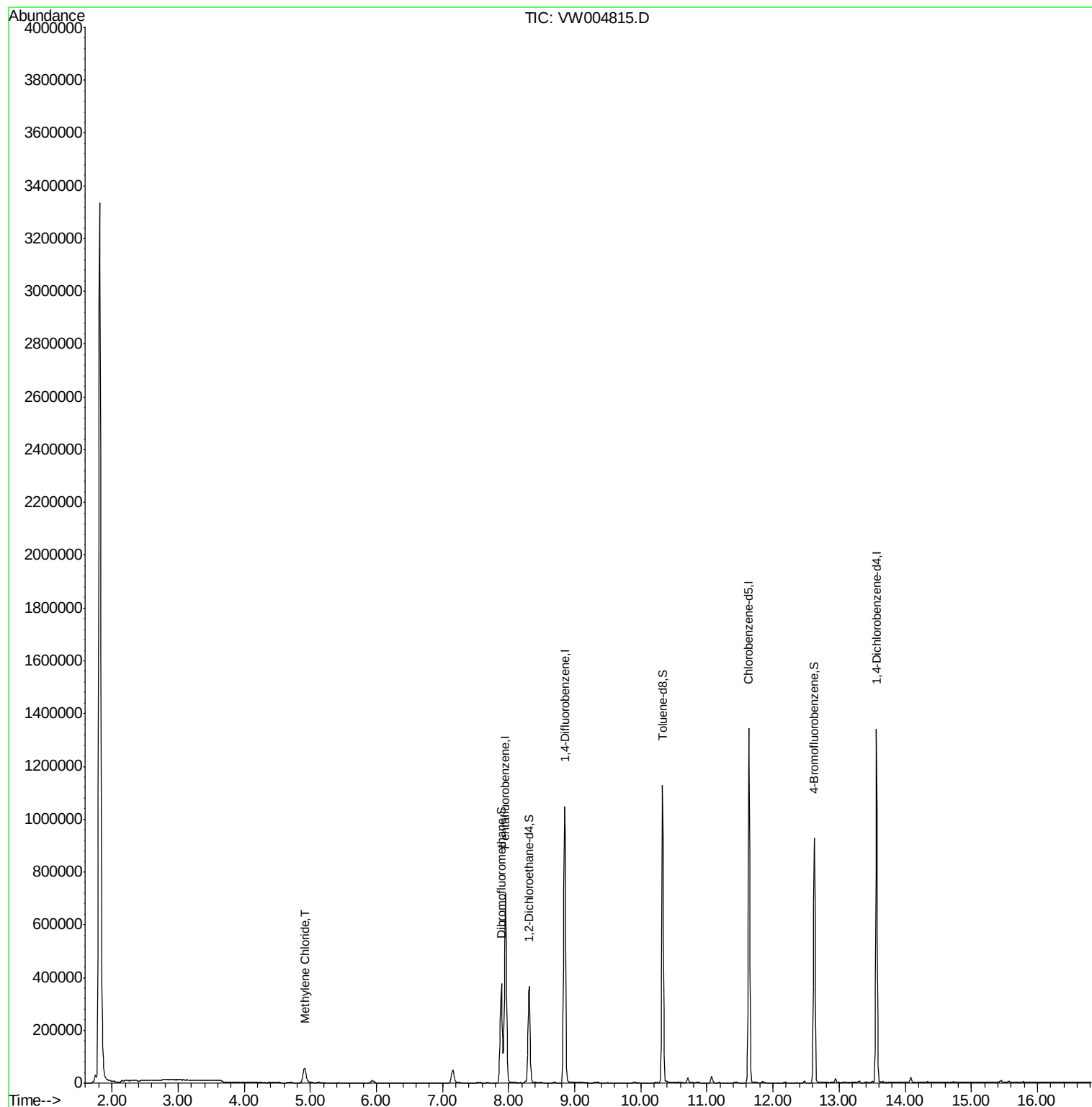
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
20) Methylene Chloride	4.92	84	48891	3.83	ug/l	97

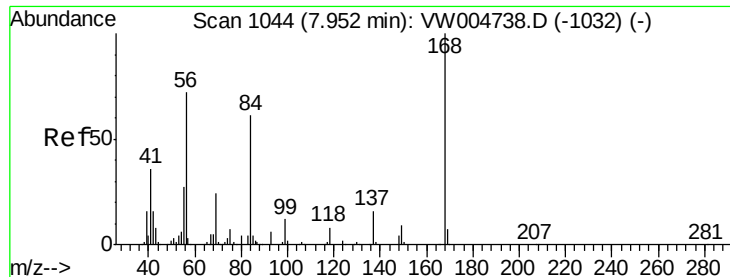
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sat Aug 18 01:49:53 2018
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.00 min

Lab File: VW004815.D

Acq: 21 Aug 2018 03:18

Instrument :

MSVOA_W

ClientSampleId :

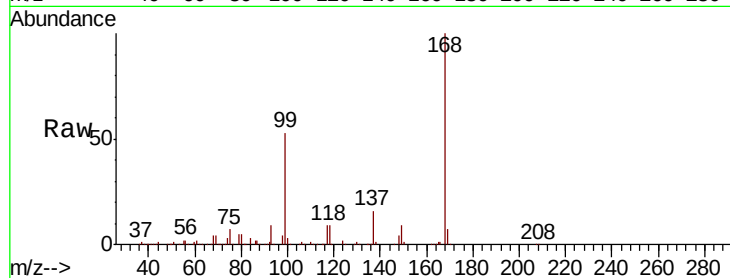
ROCK

Tot Ion:168 Resp: 555364

Ion Ratio Lower Upper

168 100

99 52.7 41.0 61.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

250000

200000

150000

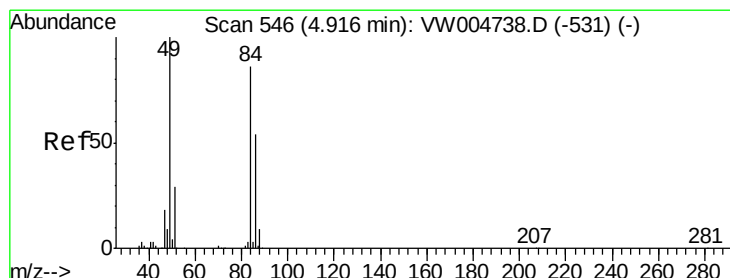
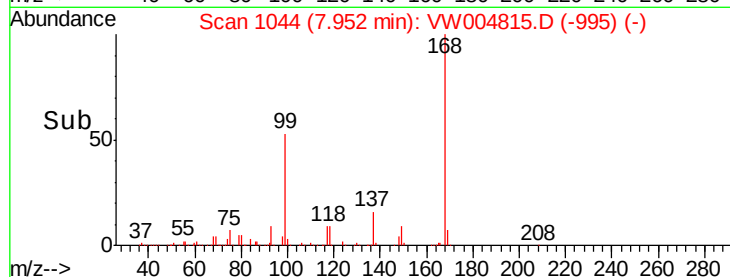
100000

50000

0

7.90 8.00 8.10

Time-->



#20

Methylene Chloride

Concen: 3.83 ug/l

RT: 4.92 min Scan# 546

Delta R.T. 0.00 min

Lab File: VW004815.D

Acq: 21 Aug 2018 03:18

Tgt Ion: 84 Resp: 48891

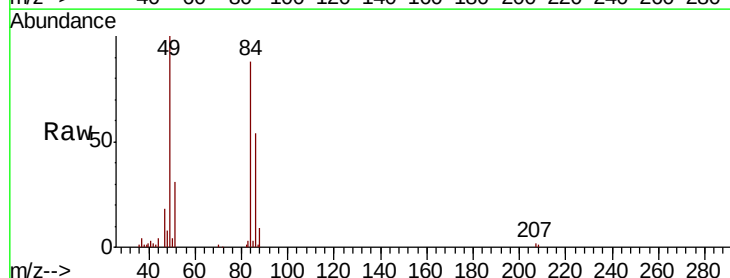
Ion Ratio Lower Upper

84 100

49 113.3 93.2 139.8

51 35.0 27.4 41.0

86 61.0 50.6 75.8



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

4.92

25000

20000

15000

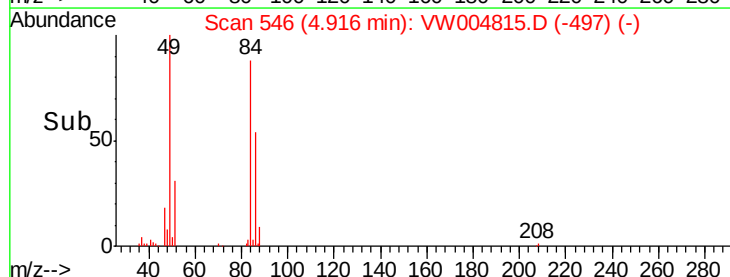
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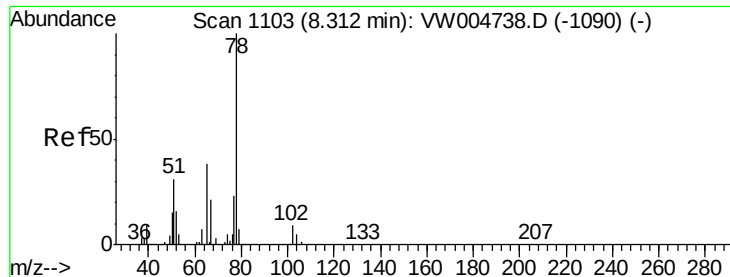
5000

0

4.80 4.90 5.00 5.10

Time-->

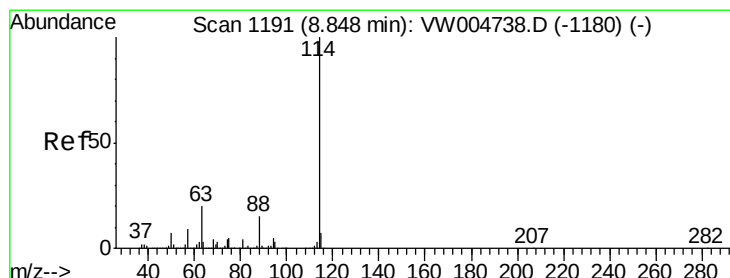
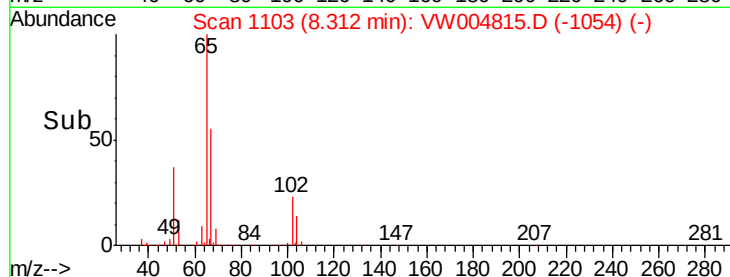
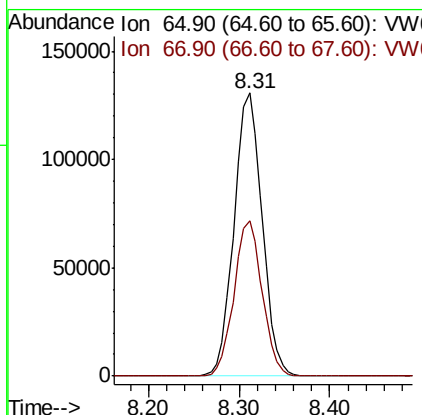
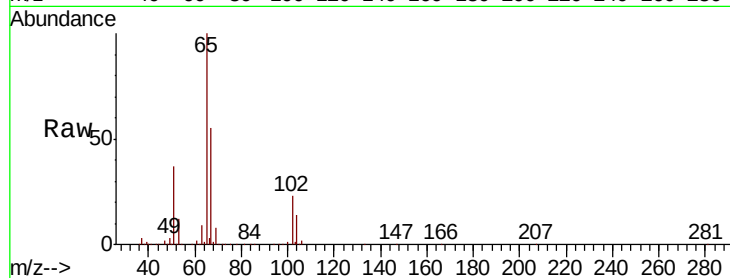




#33
 1,2-Dichloroethane-d4
 Concen: 52.51 ug/l
 RT: 8.31 min Scan# 1103
 Delta R.T. -0.00 min
 Lab File: VW004815.D
 Acq: 21 Aug 2018 03:18

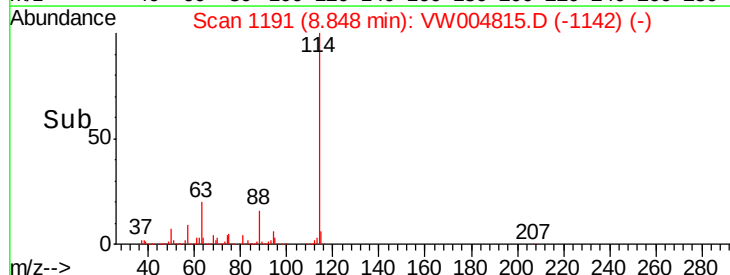
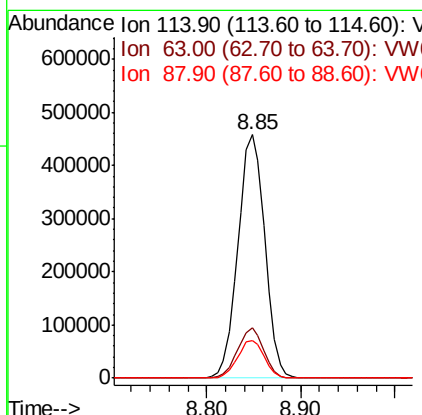
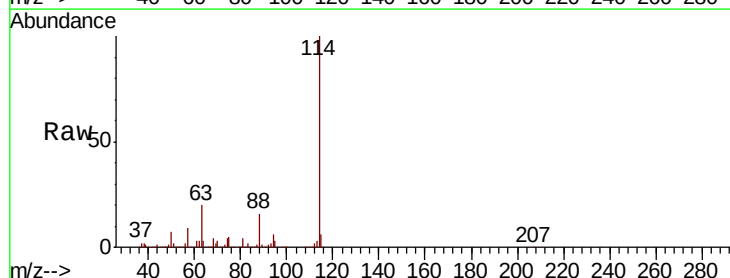
Instrument :
 MSVOA_W
 ClientSampled :
 ROCK

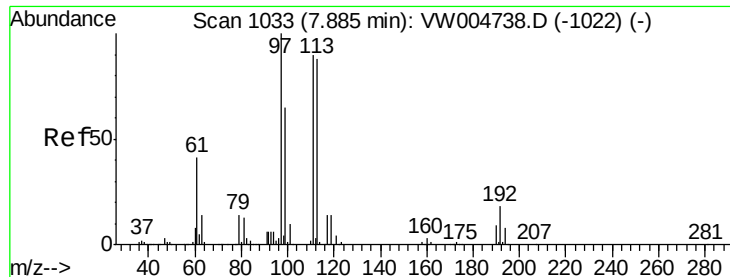
Tot Ion: 65 Resp: 281952
 Ion Ratio Lower Upper
 65 100
 67 54.8 0.0 109.4



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.85 min Scan# 1191
 Delta R.T. -0.00 min
 Lab File: VW004815.D
 Acq: 21 Aug 2018 03:18

Tgt Ion: 114 Resp: 910482
 Ion Ratio Lower Upper
 114 100
 63 20.4 0.0 39.0
 88 15.5 0.0 30.0

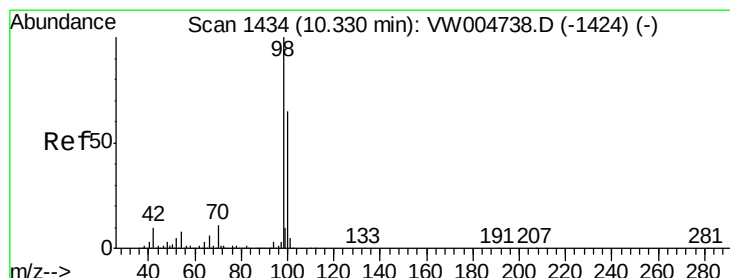
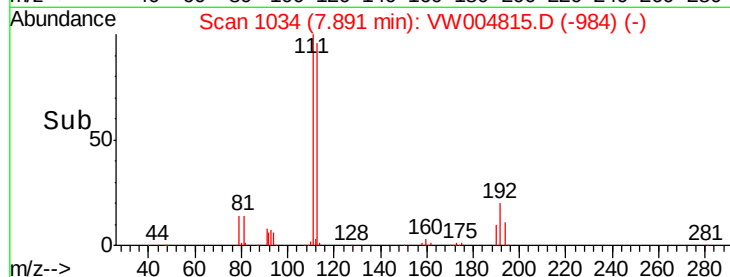
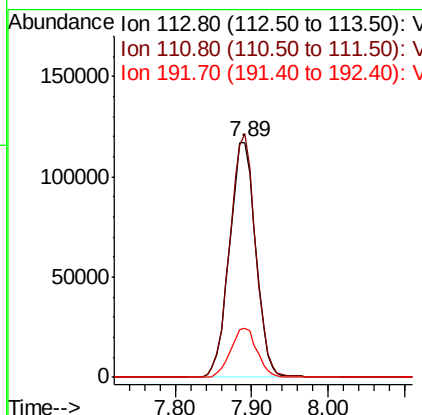
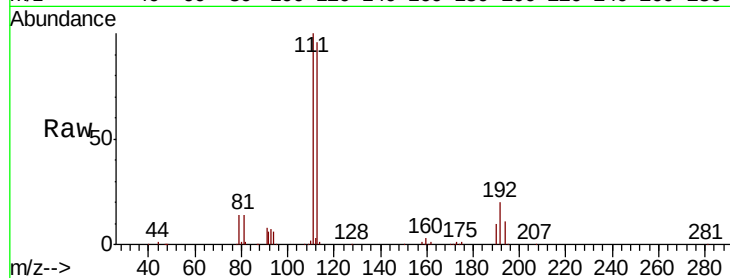




#35
 Dibromofluoromethane
 Concen: 47.82 ug/l
 RT: 7.89 min Scan# 1034
 Delta R.T. 0.01 min
 Lab File: VW004815.D
 Acq: 21 Aug 2018 03:18

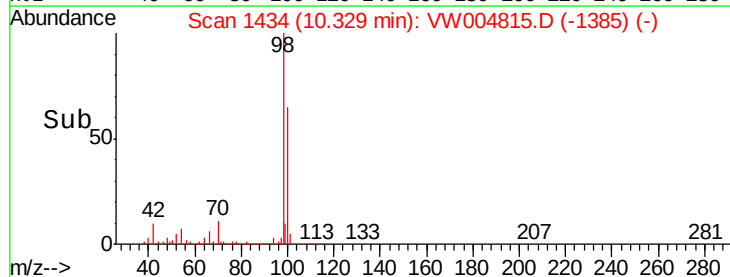
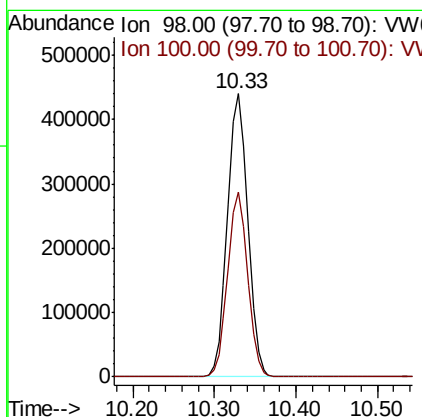
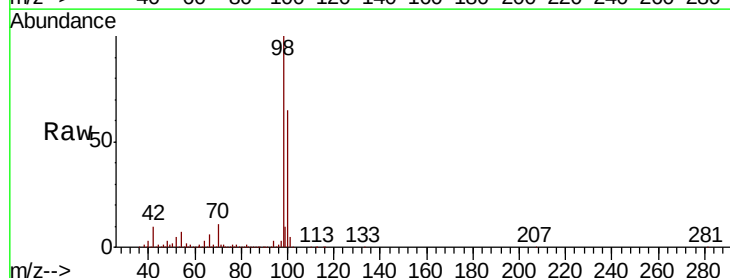
Instrument :
 MSVOA_W
 ClientSampleId :
 ROCK

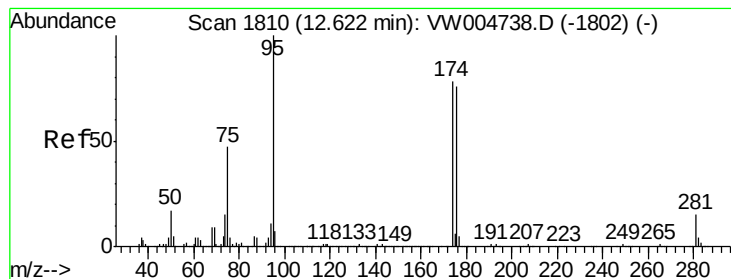
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.8	82.4	123.6
192	21.0	16.7	25.1



#50
 Toluene-d8
 Concen: 33.38 ug/l
 RT: 10.33 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW004815.D
 Acq: 21 Aug 2018 03:18

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.1	51.8	77.8





#62

4-Bromofluorobenzene

Concen: 37.59 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. -0.00 min

Lab File: VW004815.D

Acq: 21 Aug 2018 03:18

Instrument :

MSVOA_W

ClientSampled :

ROCK

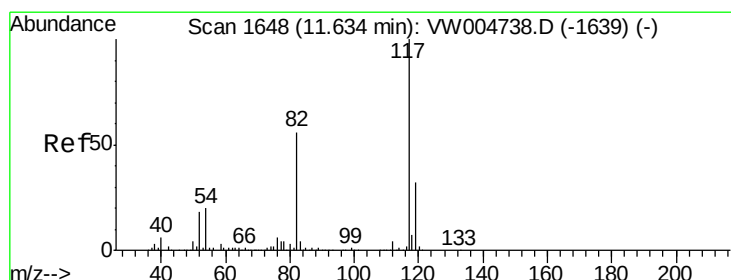
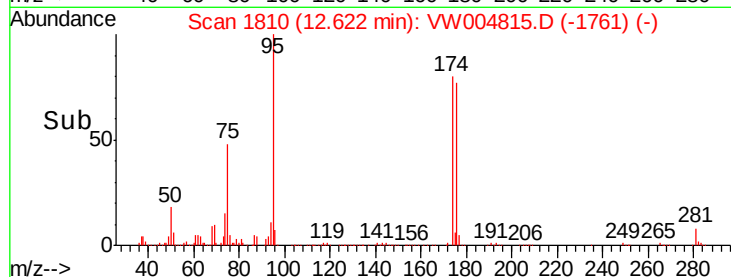
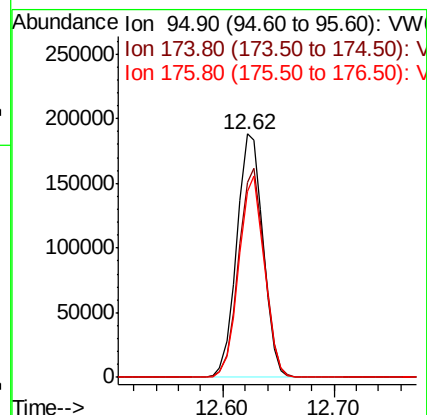
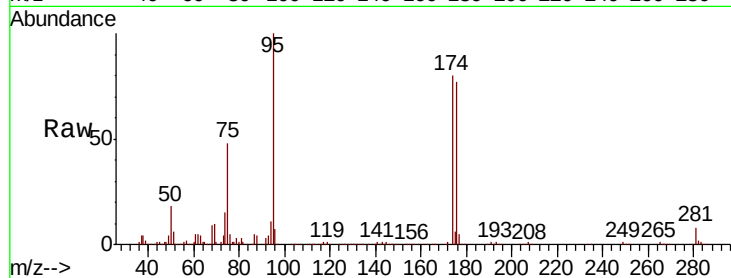
Tot Ion: 95 Resp: 307200

Ion Ratio Lower Upper

95 100

174 85.0 0.0 165.8

176 80.6 0.0 159.8



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.63 min Scan# 1648

Delta R.T. -0.00 min

Lab File: VW004815.D

Acq: 21 Aug 2018 03:18

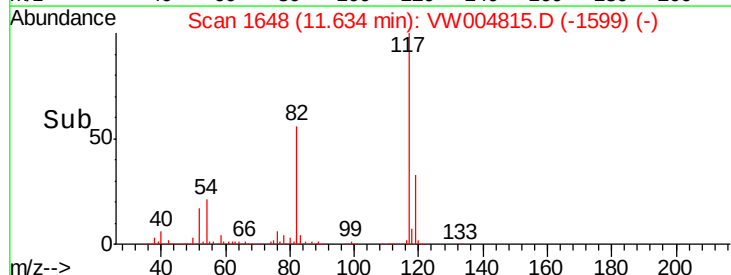
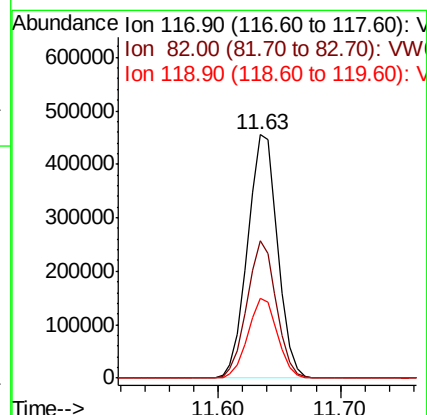
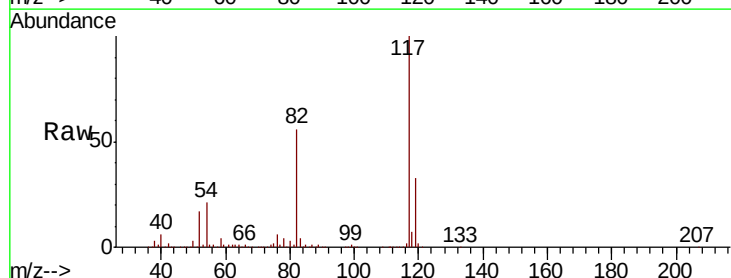
Tgt Ion: 117 Resp: 776927

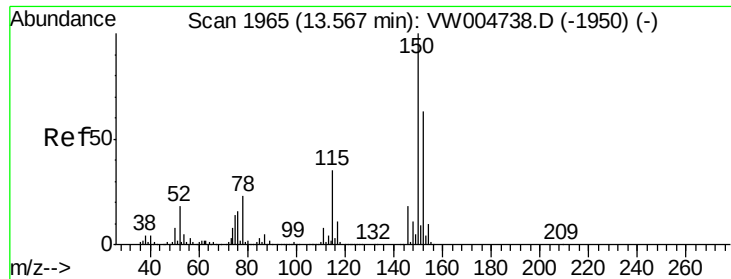
Ion Ratio Lower Upper

117 100

82 56.5 44.6 67.0

119 32.8 25.6 38.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.57 min Scan# 1965

Delta R.T. -0.00 min

Lab File: VW004815.D

Acq: 21 Aug 2018 03:18

Instrument :

MSVOA_W

ClientSampleId :

ROCK

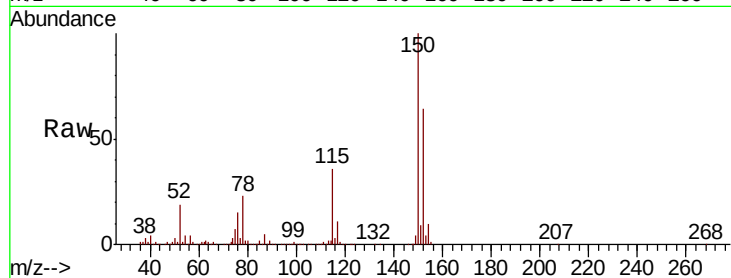
Tot Ion:152 Resp: 361756

Ion Ratio Lower Upper

152 100

115 57.3 28.5 85.5

150 156.8 0.0 344.8



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

