

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081820\
 Data File : VD066300.D
 Acq On : 19 Aug 2020 03:35
 Operator : VA/SY
 Sample : L3681-01
 Misc : 6.11G/5.00ml/MSVOA D/SOIL
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-6-4-9FT

Quant Time: Aug 19 08:32:18 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080520S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 05 13:49:25 2020
 Response via : Initial Calibration

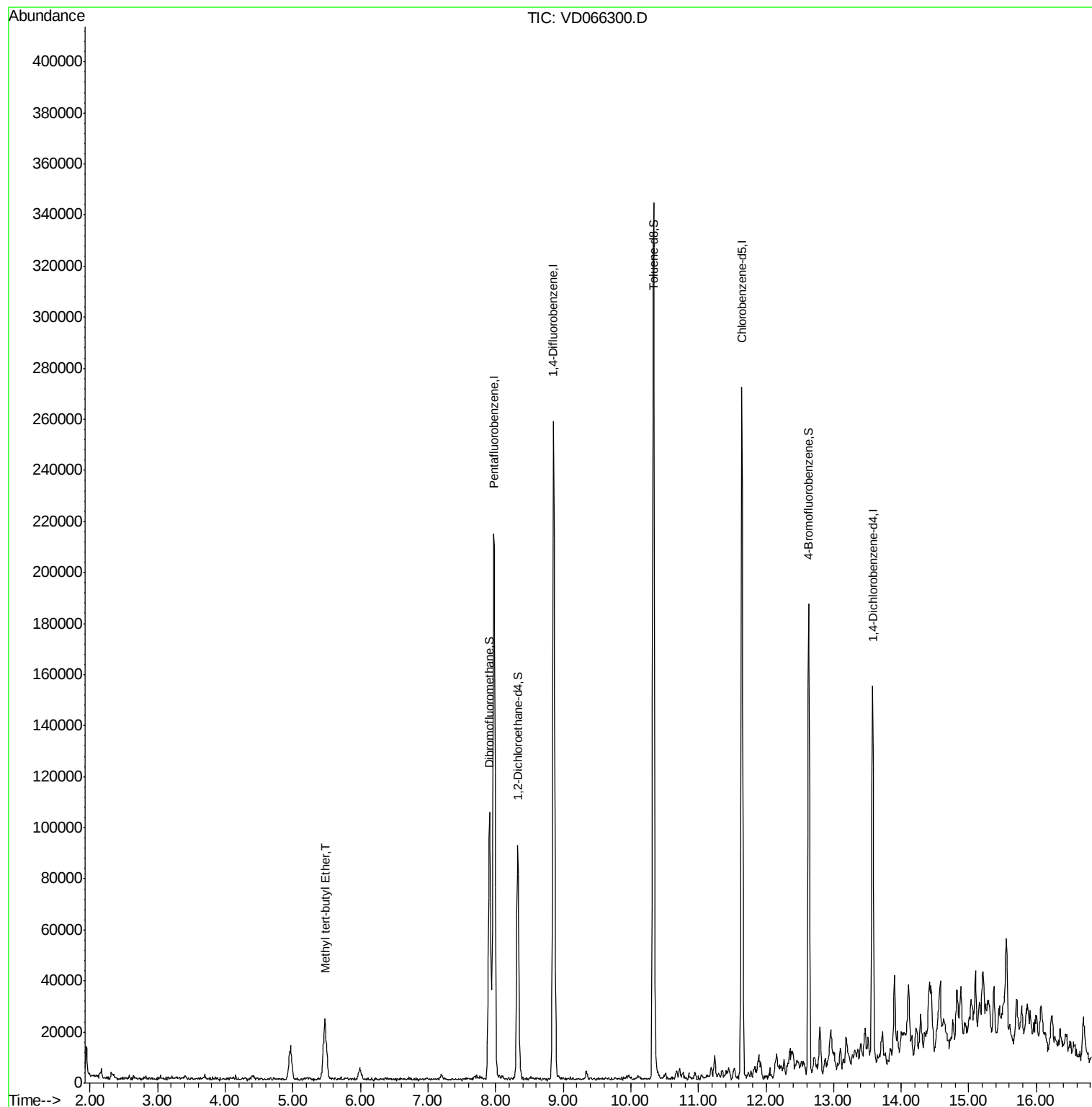
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	166209	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	225798	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	159474	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	42839	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	72496	48.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.78%	
35) Dibromofluoromethane	7.91	113	75149	52.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.08%	
50) Toluene-d8	10.34	98	229850	43.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.08%	
62) 4-Bromofluorobenzene	12.63	95	52217	27.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	54.88%	
Target Compounds						
19) Methyl tert-butyl Ether	5.47	73	36299	10.759	ug/l	Qvalue 92

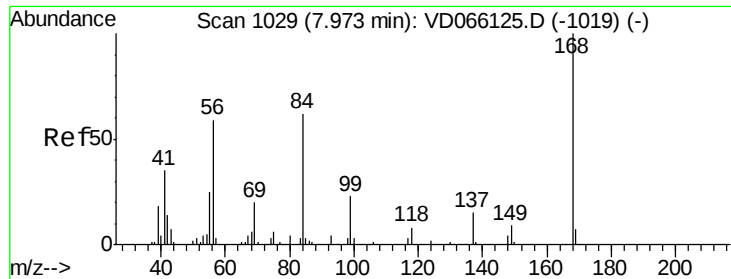
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. 0.01 min

Lab File: VD066300.D

Acq: 19 Aug 2020 03:35

Instrument :

MSVOA_D

ClientSampleId :

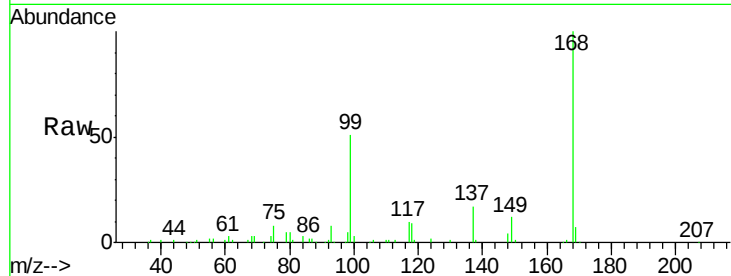
TP-6-4-9FT

Tot Ion:168 Resp: 166209

Ion Ratio Lower Upper

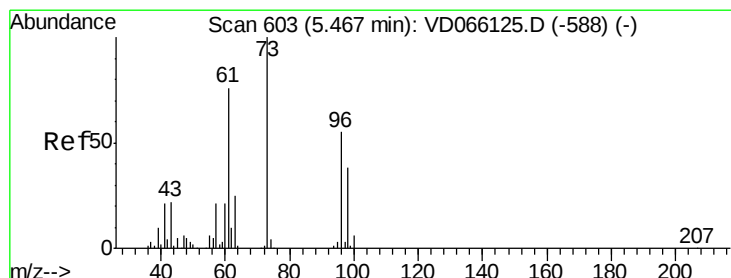
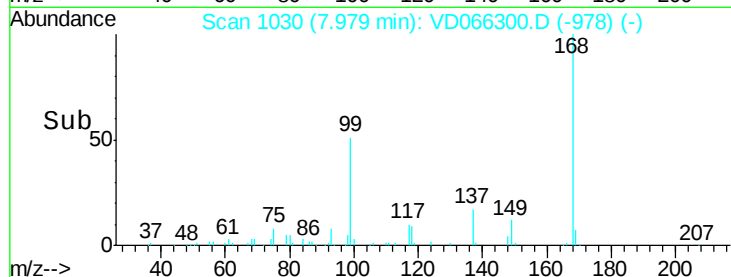
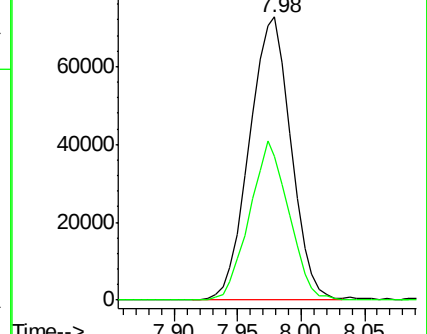
168 100

99 51.0 42.2 63.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#19

Methyl tert-butyl Ether

Concen: 10.759 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.01 min

Lab File: VD066300.D

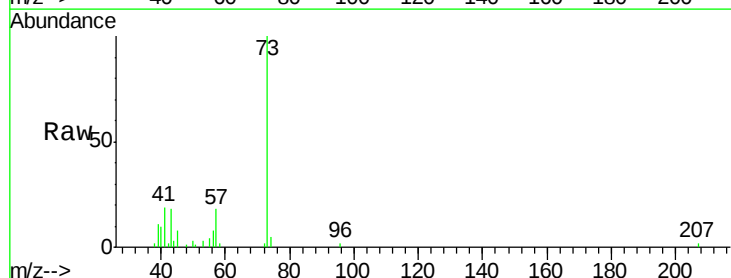
Acq: 19 Aug 2020 03:35

Tgt Ion: 73 Resp: 36299

Ion Ratio Lower Upper

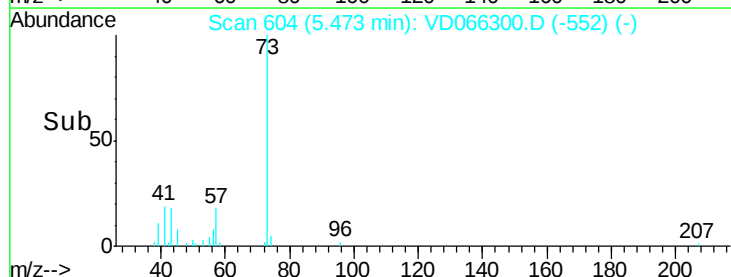
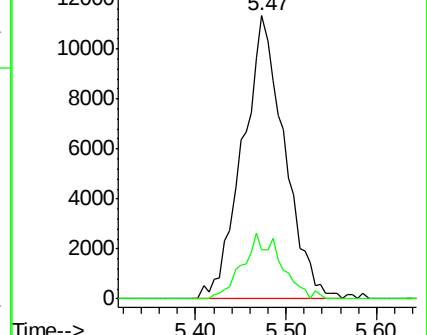
73 100

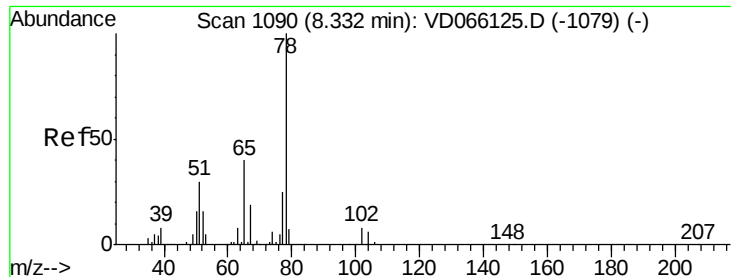
57 17.6 17.1 25.7



Abundance Ion 73.00 (72.70 to 73.70): VDC

Ion 57.00 (56.70 to 57.70): VDC





#33

1,2-Dichloroethane-d4

Concen: 48.890 ug/l

RT: 8.33 min Scan# 1089

Delta R.T. -0.01 min

Lab File: VD066300.D

Acq: 19 Aug 2020 03:35

Instrument :

MSVOA_D

ClientSampleId :

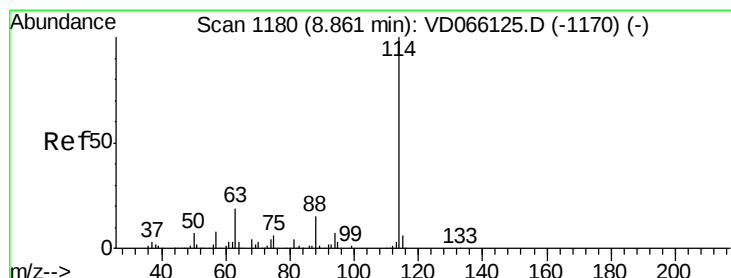
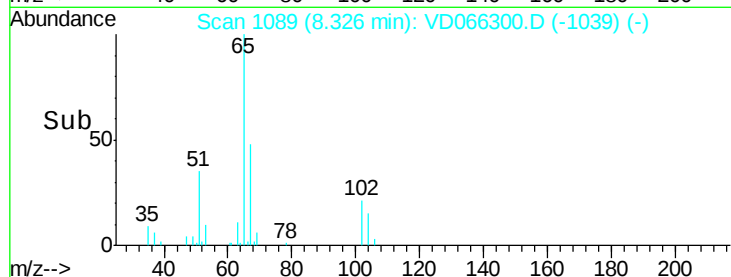
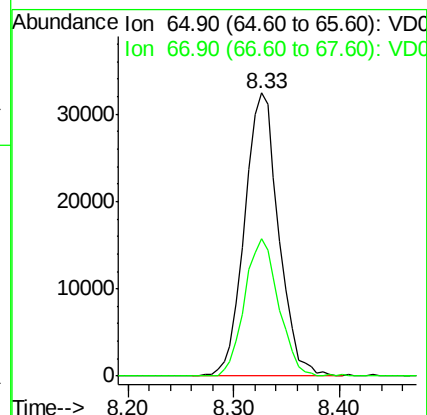
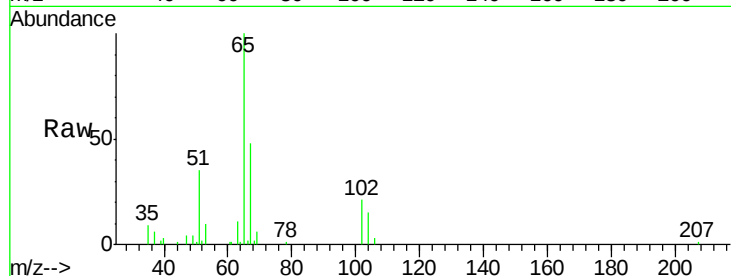
TP-6-4-9FT

Tot Ion: 65 Resp: 72496

Ion Ratio Lower Upper

65 100

67 48.3 0.0 104.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.86 min Scan# 1180

Delta R.T. 0.00 min

Lab File: VD066300.D

Acq: 19 Aug 2020 03:35

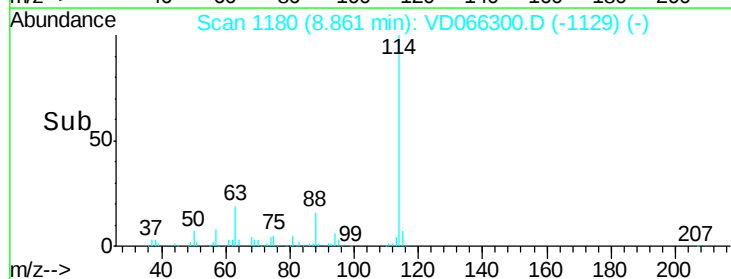
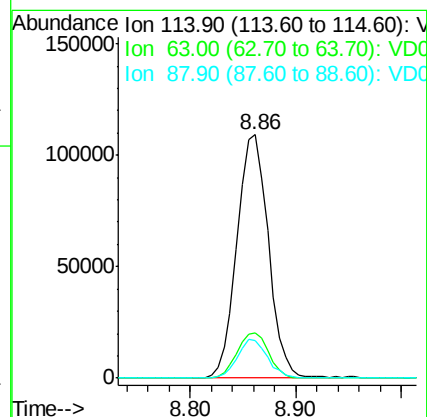
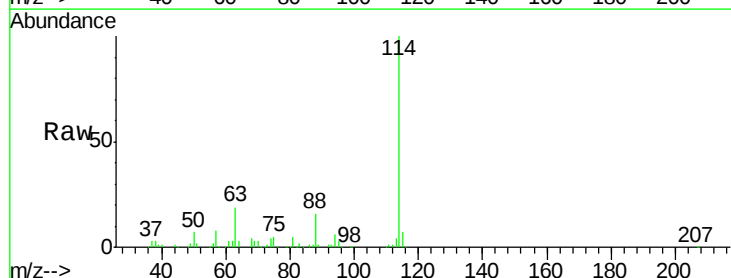
Tgt Ion: 114 Resp: 225798

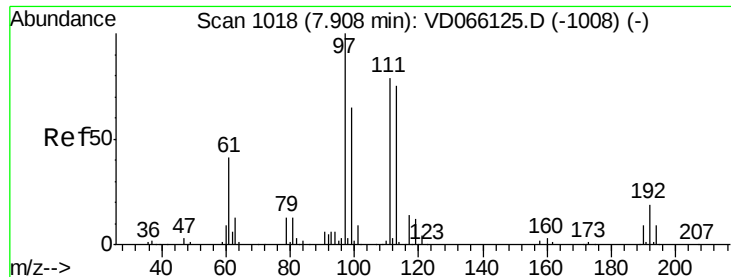
Ion Ratio Lower Upper

114 100

63 18.5 0.0 38.6

88 15.6 0.0 30.0

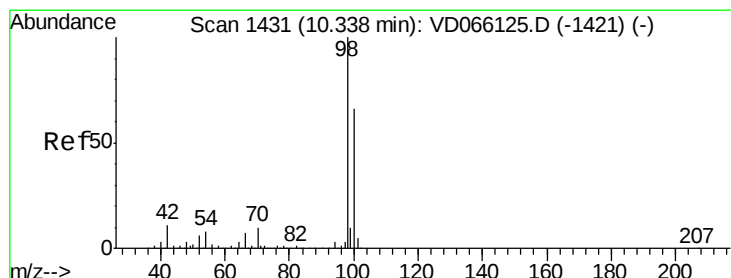
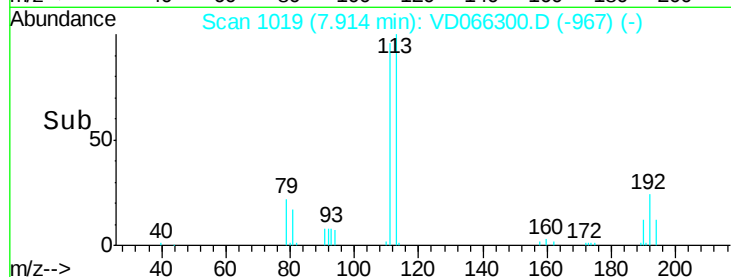
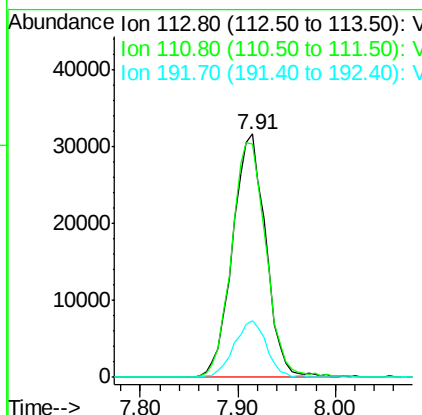
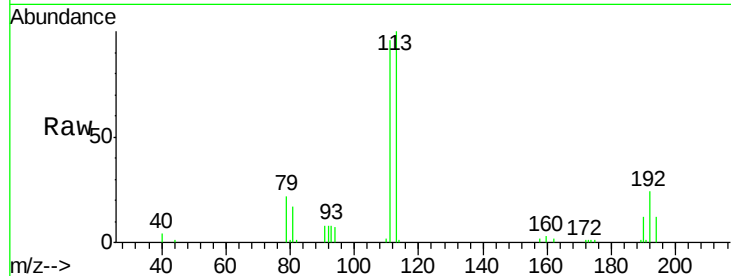




#35
 Dibromofluoromethane
 Concen: 52.537 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. 0.01 min
 Lab File: VD066300.D
 Acq: 19 Aug 2020 03:35

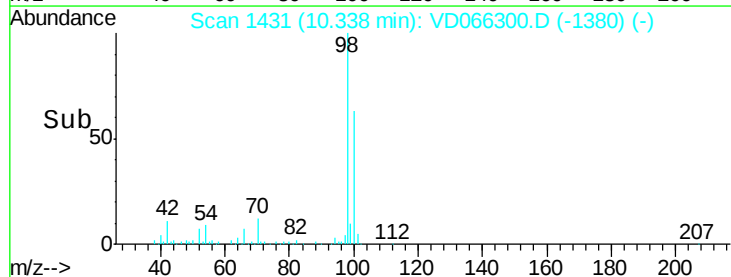
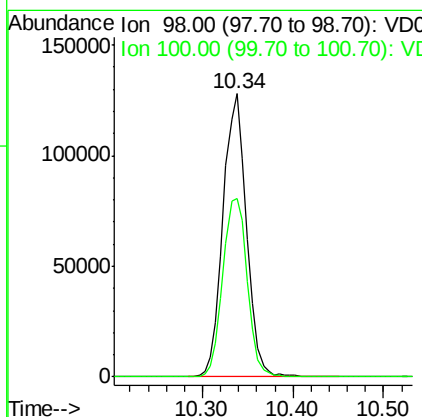
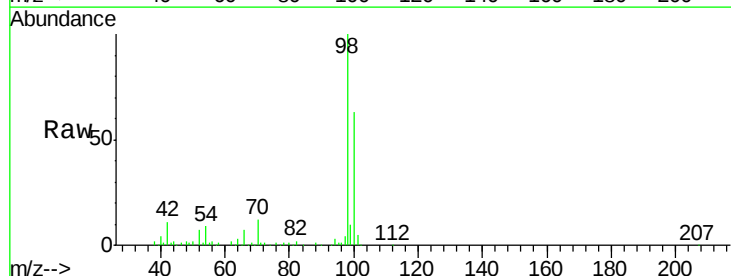
Instrument :
 MSVOA_D
 ClientSampleId :
 TP-6-4-9FT

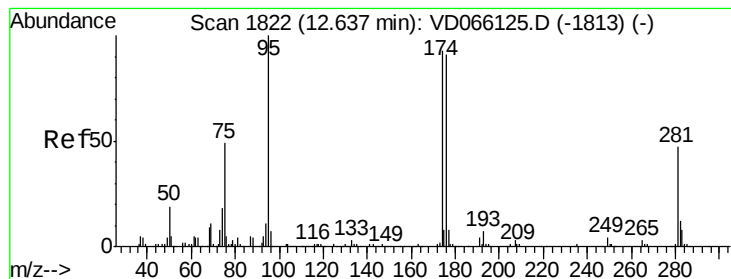
Tot Ion:113 Resp: 75149
 Ion Ratio Lower Upper
 113 100
 111 100.6 80.7 121.1
 192 22.8 18.4 27.6



#50
 Toluene-d8
 Concen: 43.544 ug/l
 RT: 10.34 min Scan# 1431
 Delta R.T. 0.00 min
 Lab File: VD066300.D
 Acq: 19 Aug 2020 03:35

Tgt Ion: 98 Resp: 229850
 Ion Ratio Lower Upper
 98 100
 100 65.8 52.6 78.8





#62

4-Bromofluorobenzene

Concen: 27.443 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.01 min

Lab File: VD066300.D

Acq: 19 Aug 2020 03:35

Instrument :

MSVOA_D

ClientSampleId :

TP-6-4-9FT

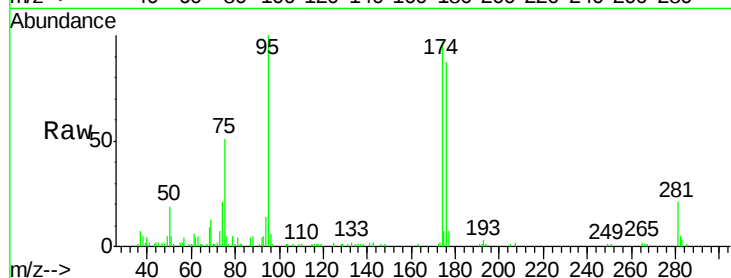
Tot Ion: 95 Resp: 52217

Ion Ratio Lower Upper

95 100

174 90.2 0.0 180.8

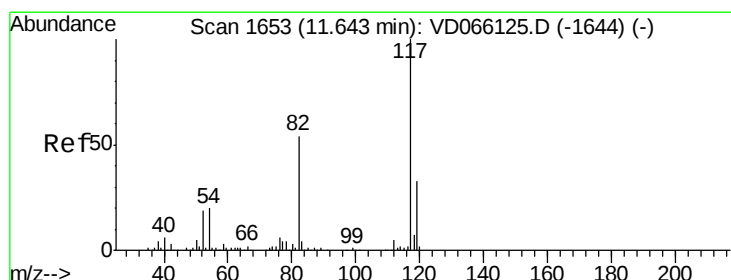
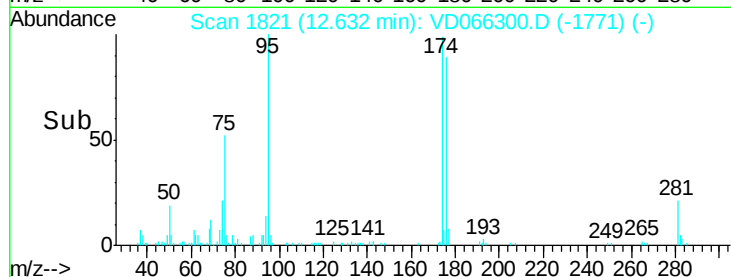
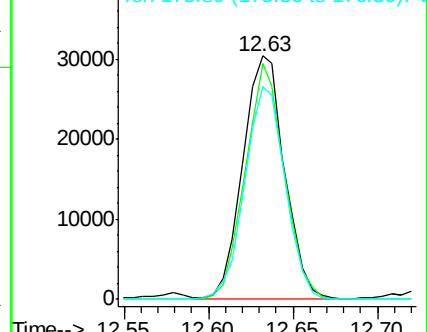
176 84.7 0.0 181.2



Abundance Ion 94.90 (94.60 to 95.60): V

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: 11.64 min Scan# 1653

Delta R.T. 0.00 min

Lab File: VD066300.D

Acq: 19 Aug 2020 03:35

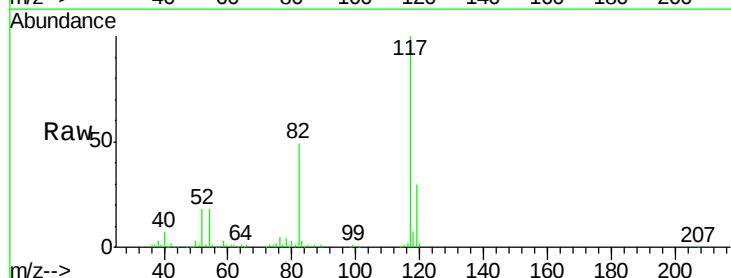
Tgt Ion: 117 Resp: 159474

Ion Ratio Lower Upper

117 100

82 49.1 43.0 64.4

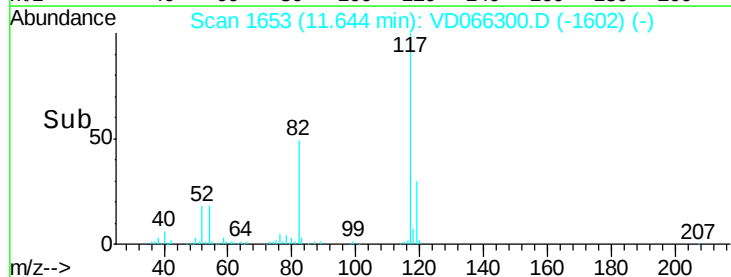
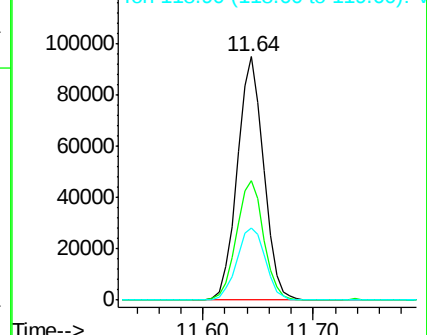
119 29.8 26.1 39.1

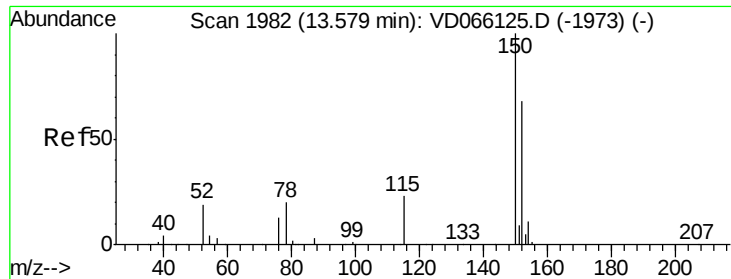


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. 0.00 min

Lab File: VD066300.D

Acq: 19 Aug 2020 03:35

Instrument :

MSVOA_D

ClientSampleId :

TP-6-4-9FT

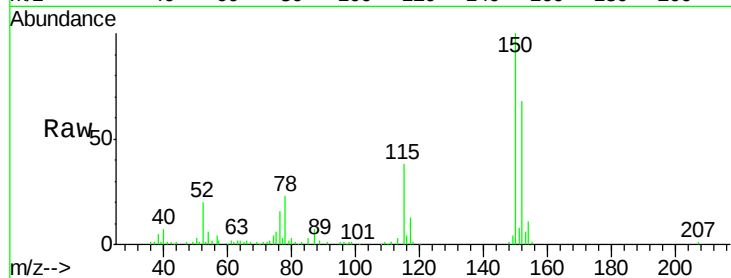
Tot Ion:152 Resp: 42839

Ion Ratio Lower Upper

152 100

115 54.4 28.0 83.9

150 148.0 0.0 346.4



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

