

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD052022\
 Data File : VD073195.D
 Acq On : 20 May 2022 20:49
 Operator : VA/SY
 Sample : N2942-02
 Misc : 5.14G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 RATZER-RD-SP-1-1

Quant Time: May 21 00:17:09 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051922S.M
 Quant Title : SW846 8260
 QLast Update : Thu May 19 15:13:42 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.973	168	258060	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	469453	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	504606	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	230513	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	169205	59.330	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	118.660%
35) Dibromofluoromethane	7.908	113	169632	54.760	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	109.520%
50) Toluene-d8	10.332	98	589241	51.601	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	103.200%
62) 4-Bromofluorobenzene	12.620	95	247520	61.765	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	123.540%

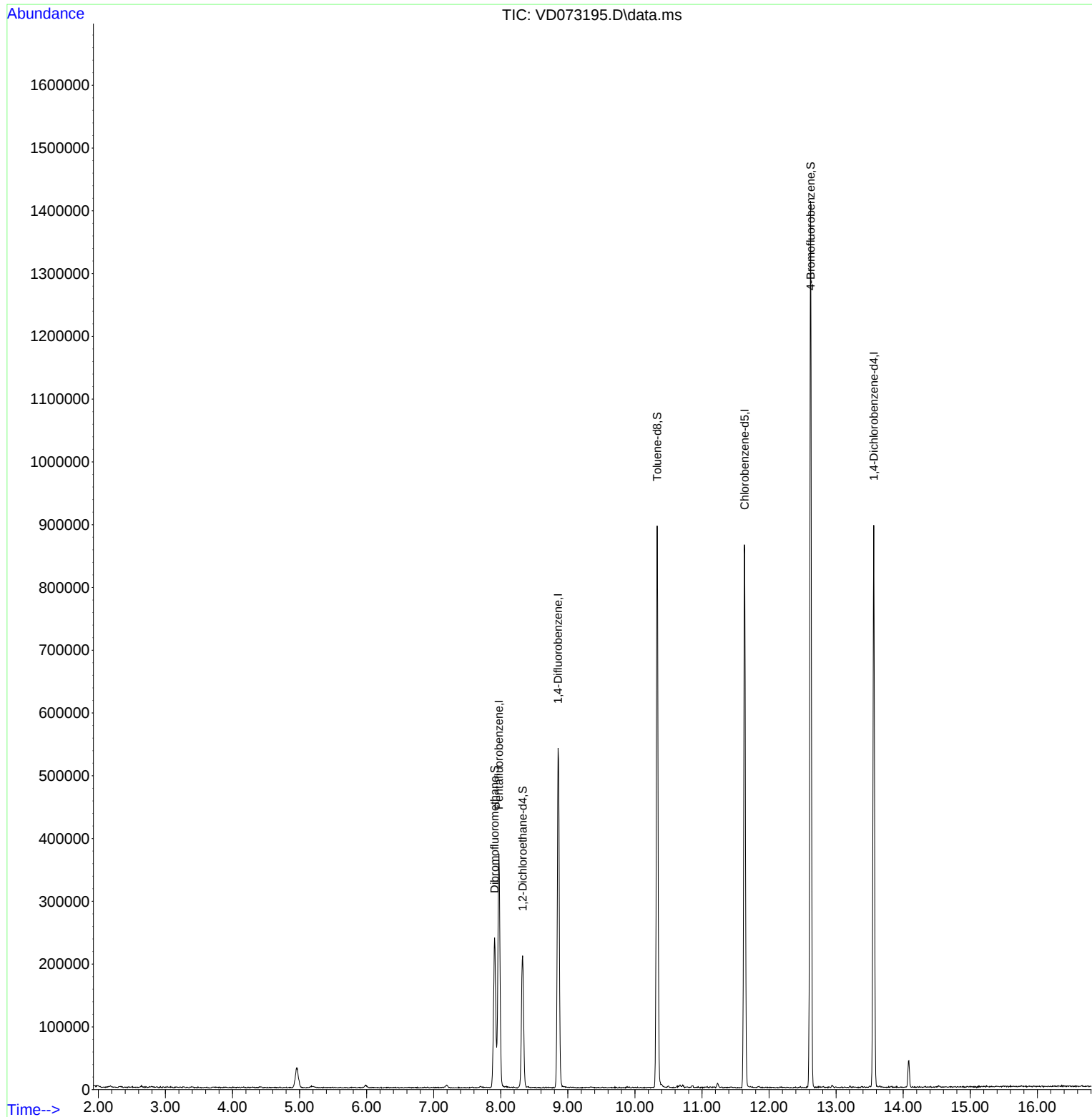
Target Compounds	Qvalue

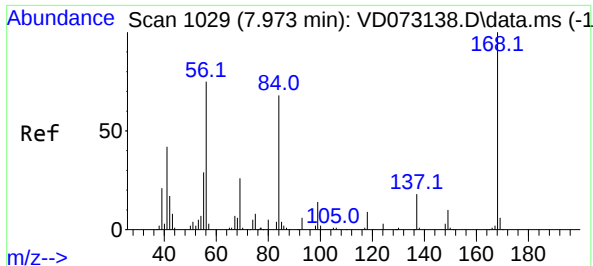
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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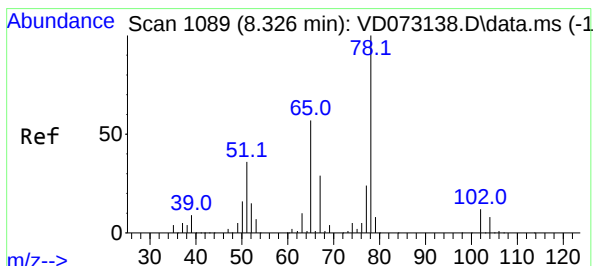
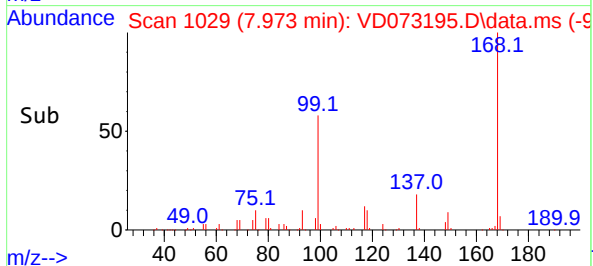
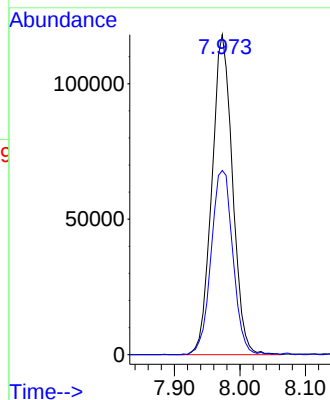
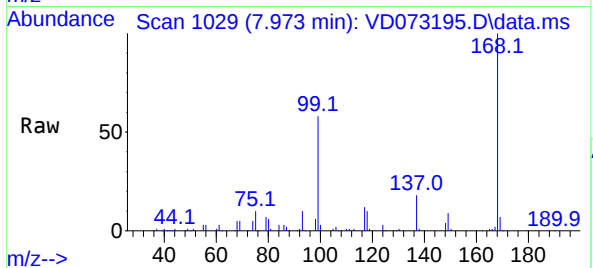




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. 0.000 min
Lab File: VD073195.D
Acq: 20 May 2022 20:49

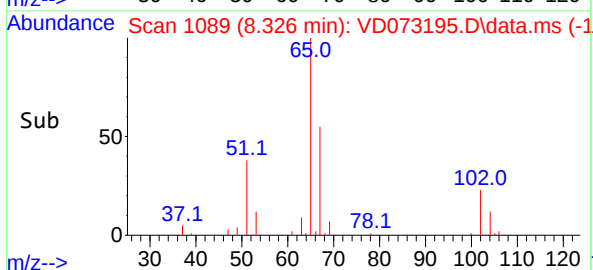
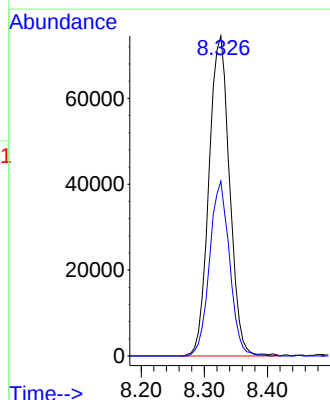
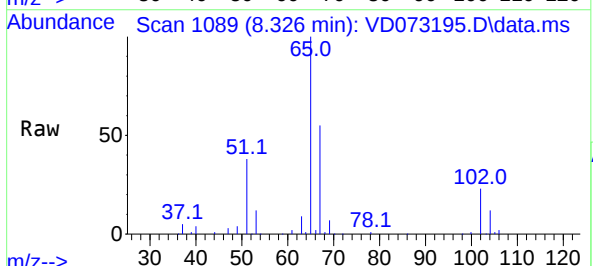
Instrument :
MSVOA_D
ClientSampleId :
RATZER-RD-SP-1-1

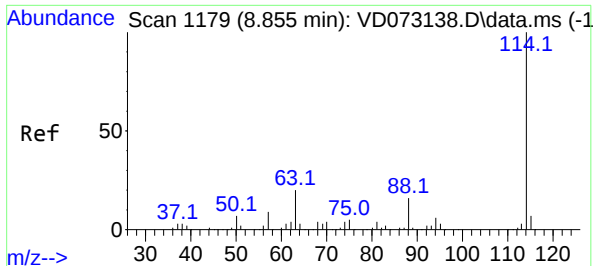
Tgt Ion:168 Resp: 258060
Ion Ratio Lower Upper
168 100
99 57.5 49.8 74.6



#33
1,2-Dichloroethane-d4
Concen: 59.330 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VD073195.D
Acq: 20 May 2022 20:49

Tgt Ion: 65 Resp: 169205
Ion Ratio Lower Upper
65 100
67 52.8 0.0 101.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.855 min Scan# 1179

Delta R.T. 0.000 min

Lab File: VD073195.D

Acq: 20 May 2022 20:49

Instrument :

MSVOA_D

ClientSampleId :

RATZER-RD-SP-1-1

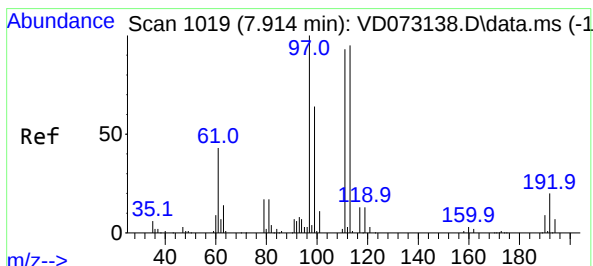
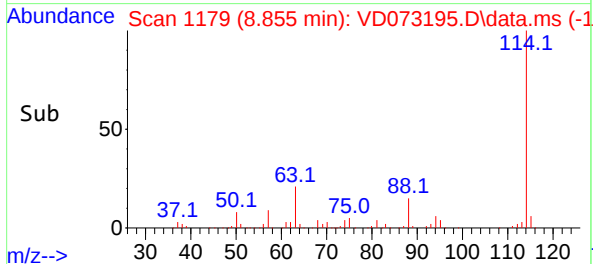
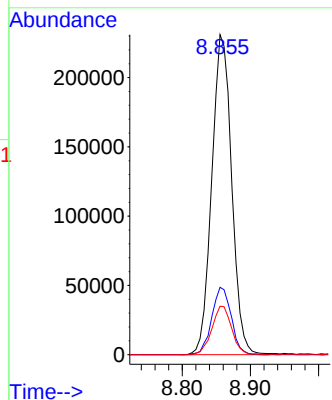
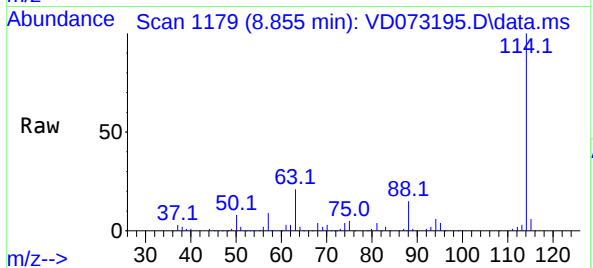
Tgt Ion:114 Resp: 469453

Ion Ratio Lower Upper

114 100

63 21.0 0.0 46.6

88 15.2 0.0 33.2



#35

Dibromofluoromethane

Concen: 54.760 ug/l

RT: 7.908 min Scan# 1018

Delta R.T. -0.006 min

Lab File: VD073195.D

Acq: 20 May 2022 20:49

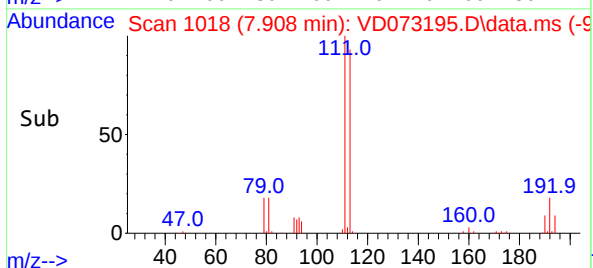
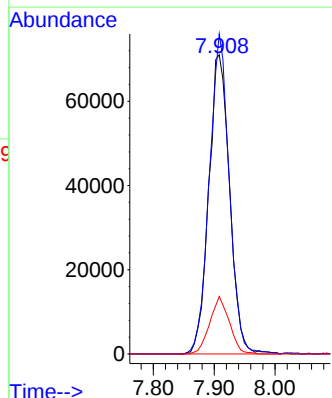
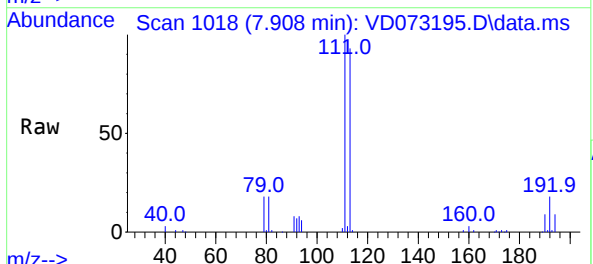
Tgt Ion:113 Resp: 169632

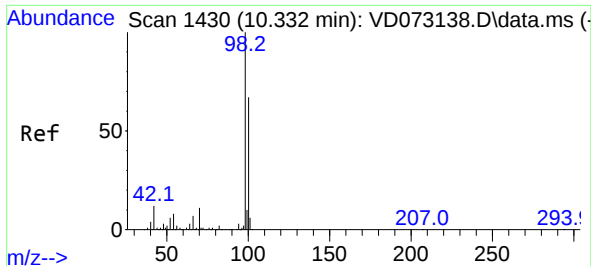
Ion Ratio Lower Upper

113 100

111 102.2 83.8 125.6

192 17.9 14.6 21.8

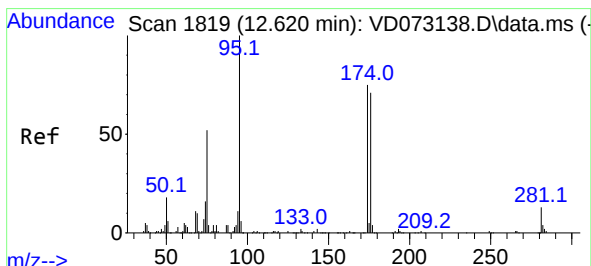
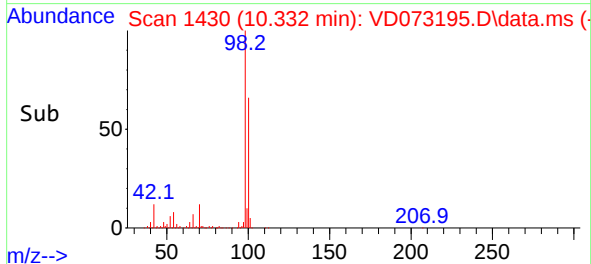
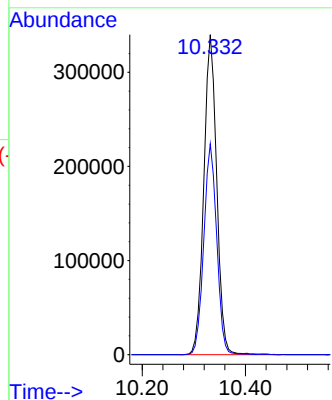
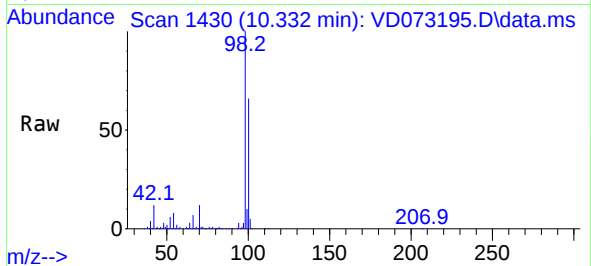




#50
Toluene-d8
Concen: 51.601 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VD073195.D
Acq: 20 May 2022 20:49

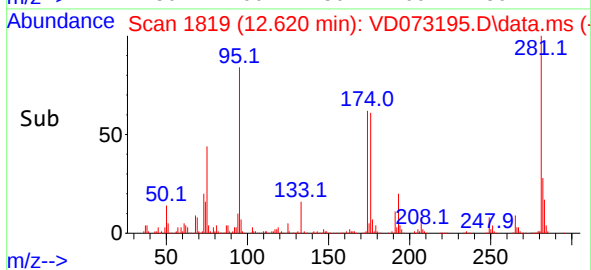
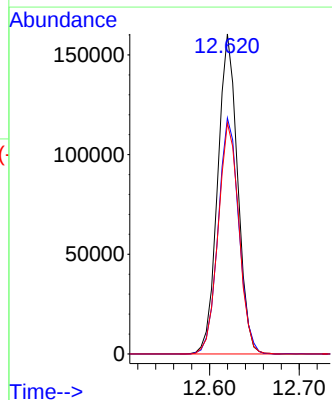
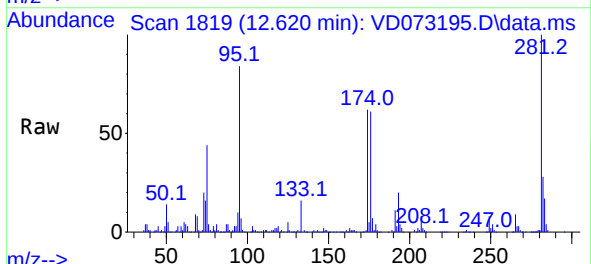
Instrument :
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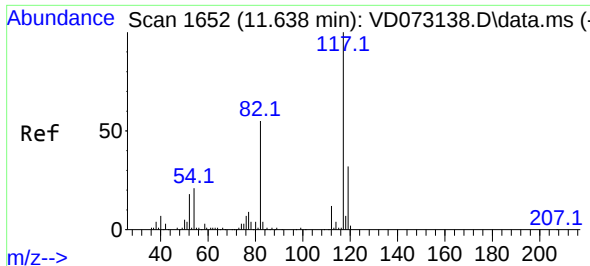
Tgt Ion: 98 Resp: 589241
Ion Ratio Lower Upper
98 100
100 66.0 52.4 78.6



#62
4-Bromofluorobenzene
Concen: 61.765 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.000 min
Lab File: VD073195.D
Acq: 20 May 2022 20:49

Tgt Ion: 95 Resp: 247520
Ion Ratio Lower Upper
95 100
174 76.4 0.0 152.8
176 74.9 0.0 145.4

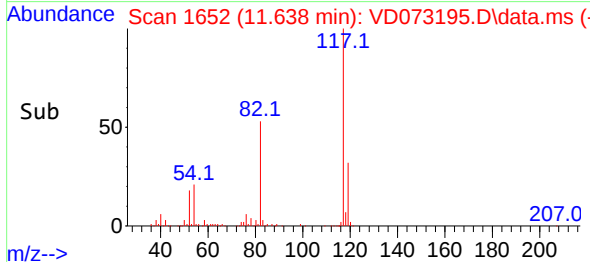
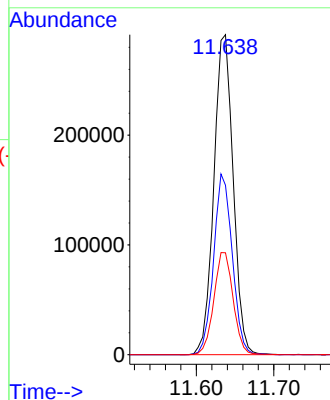
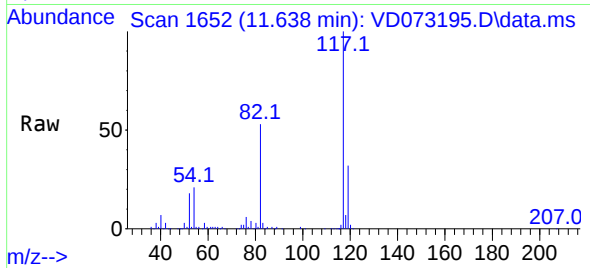




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 117
Delta R.T. -0.000 min
Lab File: VD073195.D
Acq: 20 May 2022 20:49

Instrument :
MSVOA_D
ClientSampleId :
RATZER-RD-SP-1-1

Tgt Ion:117 Resp: 504606
Ion Ratio Lower Upper
117 100
82 53.0 45.3 67.9
119 31.8 26.6 40.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. 0.000 min
Lab File: VD073195.D
Acq: 20 May 2022 20:49

Tgt Ion:152 Resp: 230513
Ion Ratio Lower Upper
152 100
115 59.3 31.3 93.8
150 156.1 0.0 348.6

