

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD052022\
 Data File : VD073196.D
 Acq On : 20 May 2022 21:18
 Operator : VA/SY
 Sample : N2942-03
 Misc : 4.50G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 RATZER-RD-SP-1-2

Quant Time: May 21 00:17:22 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	286001	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.856	114	515425	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	518893	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	212577	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	178136	56.359	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	112.720%
35) Dibromofluoromethane	7.909	113	182946	53.790	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	107.580%
50) Toluene-d8	10.332	98	636155	50.741	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	101.480%
62) 4-Bromofluorobenzene	12.620	95	238297	54.160	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	108.320%

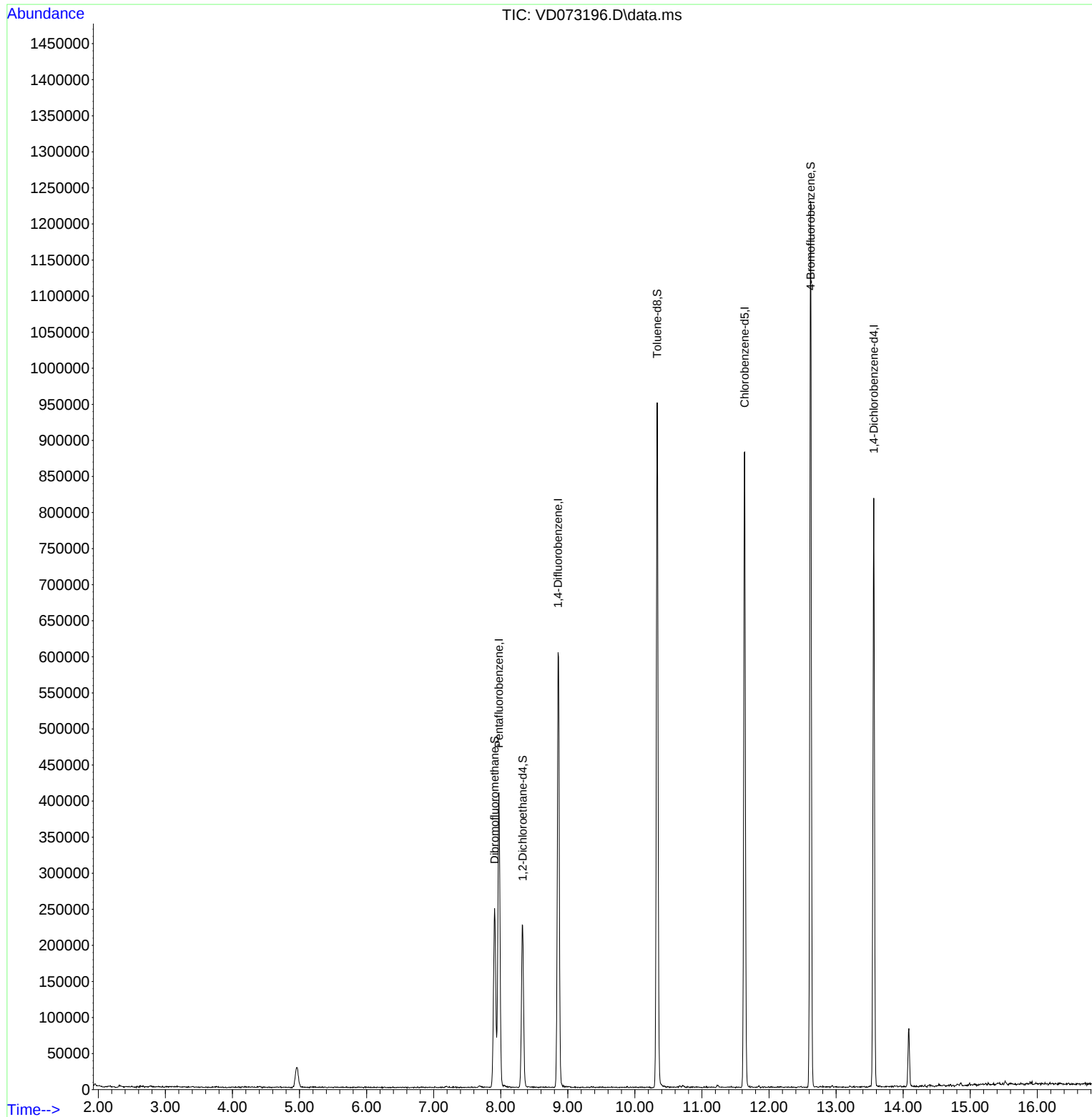
Target Compounds	Qvalue

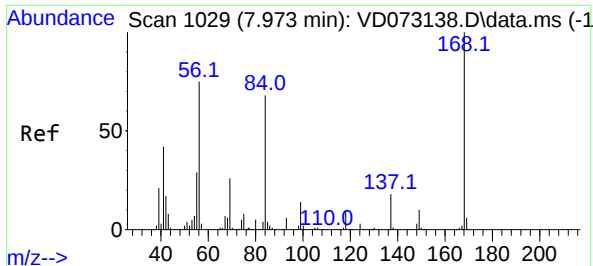
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. 0.000 min

Lab File: VD073196.D

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Instrument :

MSVOA_D

ClientSampleId :

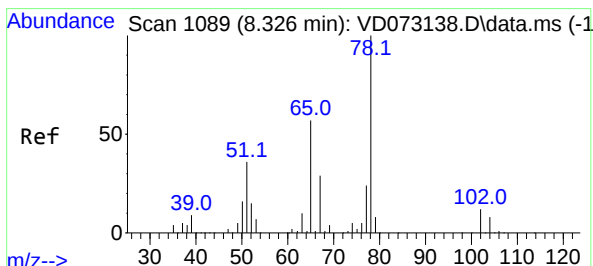
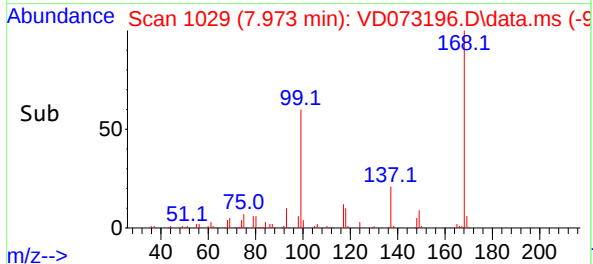
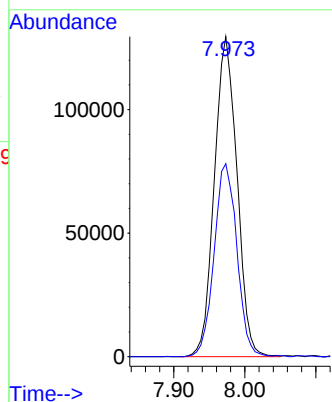
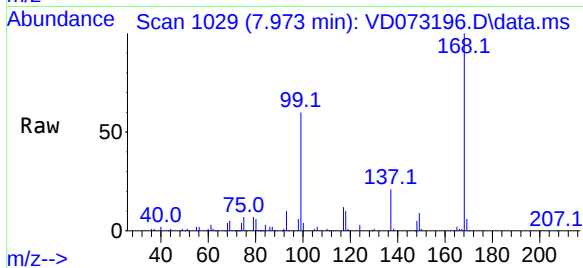
RATZER-RD-SP-1-2

Tgt Ion:168 Resp: 286001

Ion Ratio Lower Upper

168 100

99 60.3 49.8 74.6



1,2-Dichloroethane-d4

Concen: 56.359 ug/l

RT: 8.326 min Scan# 1089

Delta R.T. 0.000 min

Lab File: VD073196.D

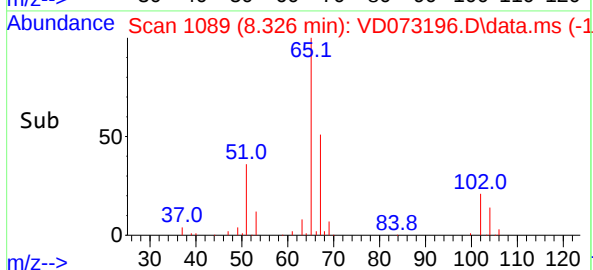
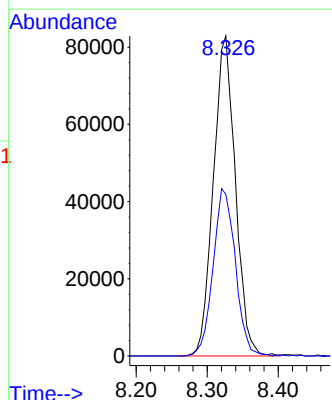
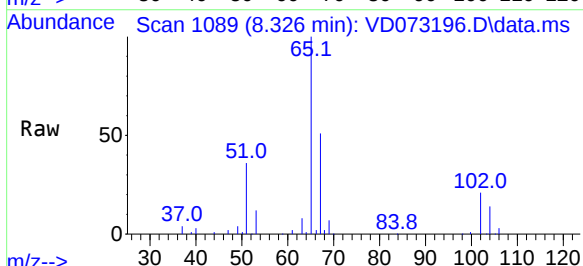
Acq: 20 May 2022 21:18

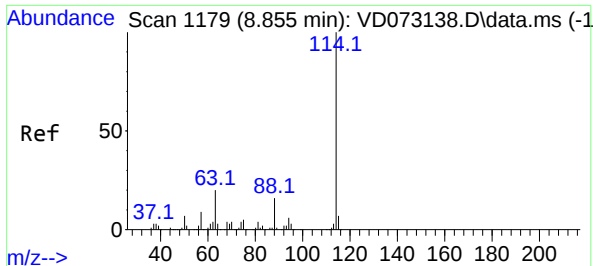
Tgt Ion: 65 Resp: 178136

Ion Ratio Lower Upper

65 100

67 52.9 0.0 101.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.856 min Scan# 1179

Delta R.T. 0.001 min

Lab File: VD073196.D

Acq: 20 May 2022 21:18

Instrument :

MSVOA_D

ClientSampleId :

RATZER-RD-SP-1-2

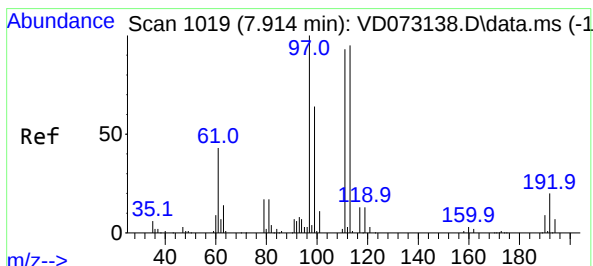
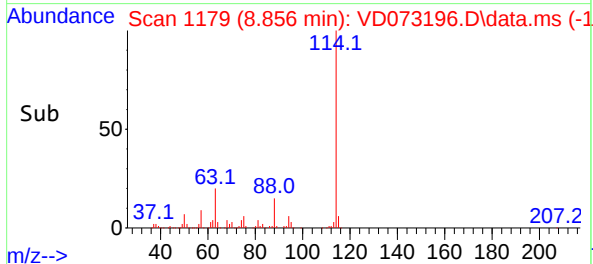
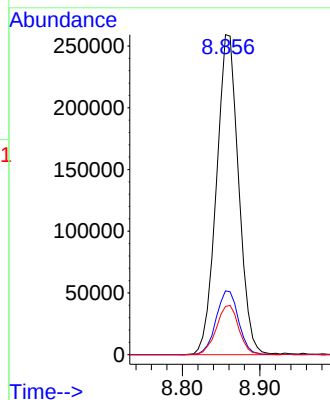
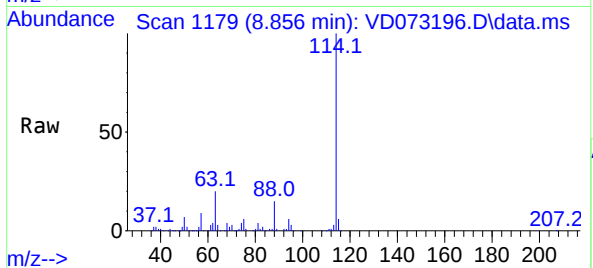
Tgt Ion:114 Resp: 515425

Ion Ratio Lower Upper

114 100

63 20.0 0.0 46.6

88 15.0 0.0 33.2



#35

Dibromofluoromethane

Concen: 53.790 ug/l

RT: 7.909 min Scan# 1018

Delta R.T. -0.005 min

Lab File: VD073196.D

Acq: 20 May 2022 21:18

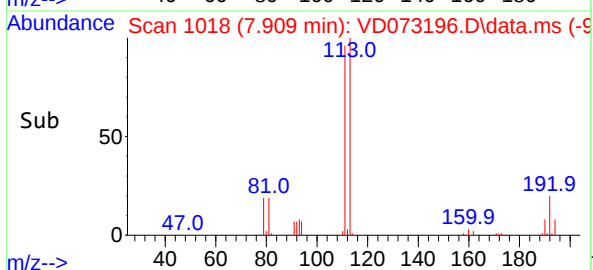
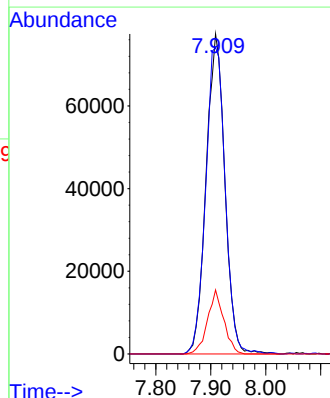
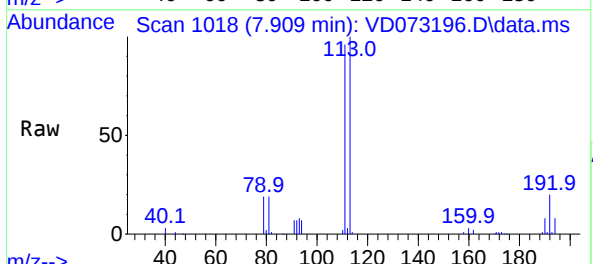
Tgt Ion:113 Resp: 182946

Ion Ratio Lower Upper

113 100

111 100.3 83.8 125.6

192 17.3 14.6 21.8

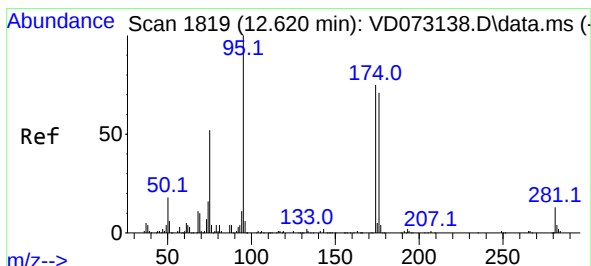
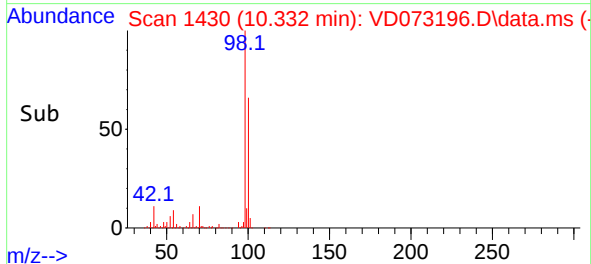
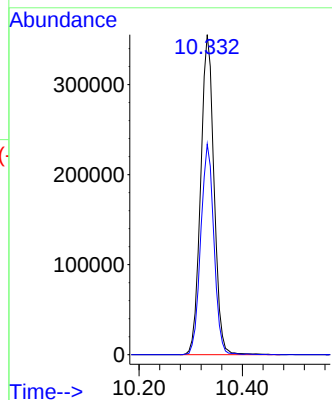
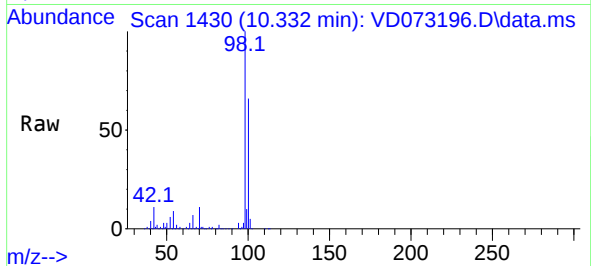




#50
Toluene-d8
Concen: 50.741 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VD073196.D
Acq: 20 May 2022 21:18

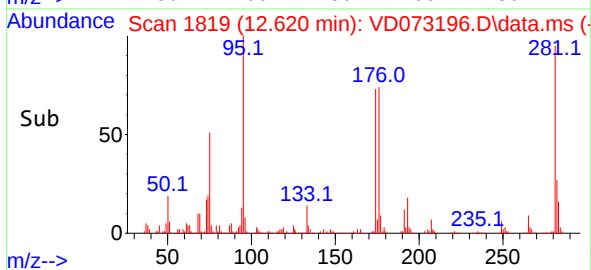
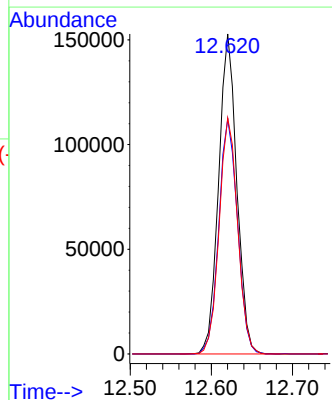
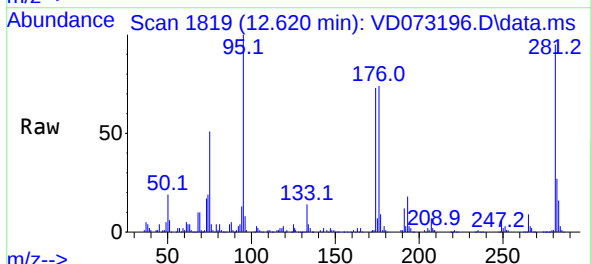
Instrument :
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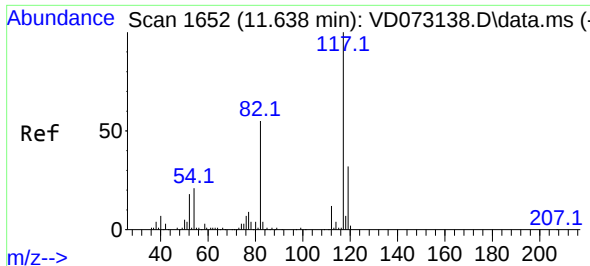
Tgt Ion: 98 Resp: 636155
Ion Ratio Lower Upper
98 100
100 65.0 52.4 78.6



#62
4-Bromofluorobenzene
Concen: 54.160 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.000 min
Lab File: VD073196.D
Acq: 20 May 2022 21:18

Tgt Ion: 95 Resp: 238297
Ion Ratio Lower Upper
95 100
174 75.5 0.0 152.8
176 74.8 0.0 145.4

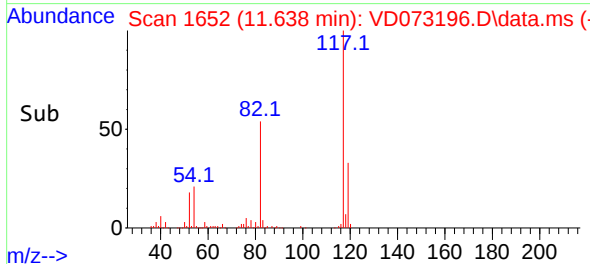
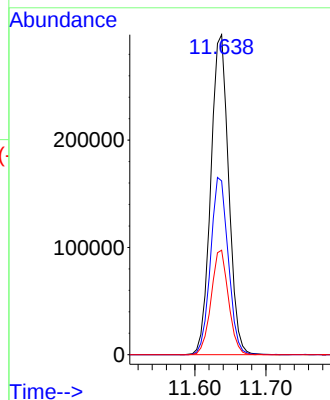
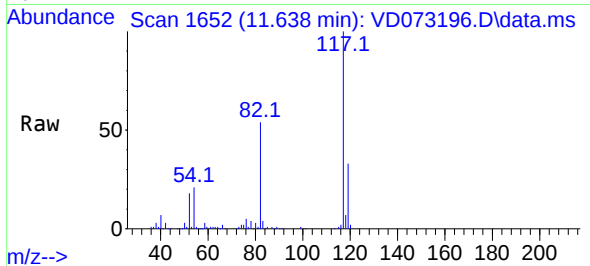




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 117
Delta R.T. -0.000 min
Lab File: VD073196.D
Acq: 20 May 2022 21:18

Instrument :
MSVOA_D
ClientSampleId :
RATZER-RD-SP-1-2

Tgt Ion:117	Resp: 518893
Ion Ratio	Lower Upper
117 100	
82 54.3	45.3 67.9
119 32.7	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: VD073196.D
Acq: 20 May 2022 21:18

Tgt Ion:152	Resp: 212577		
Ion Ratio	Lower	Upper	
152	100		
115	59.7	31.3	93.8
150	154.8	0.0	348.6

