

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD091922\
 Data File : VD074357.D
 Acq On : 19 Sep 2022 20:23
 Operator : VA/SY
 Sample : N4664-01
 Misc : 5.01G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 HR-02-091522

Quant Time: Sep 19 23:03:11 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D091622S.M
 Quant Title : SW846 8260
 QLast Update : Sat Sep 17 04:16:54 2022
 Response via : Initial Calibration

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

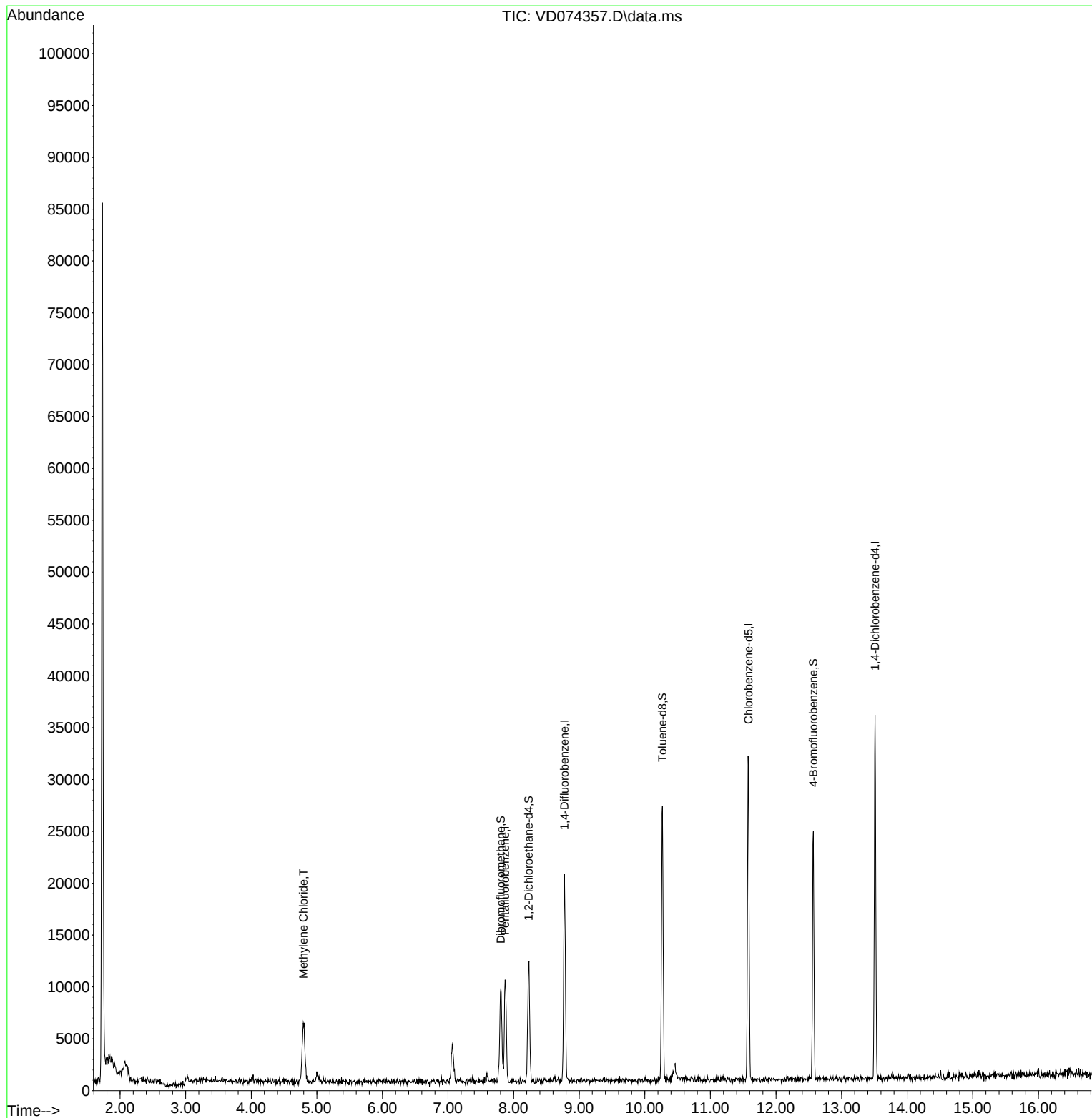
Internal Standards						
1) Pentafluorobenzene	7.869	168	8724	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	17417	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	18457	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.510	152	9476	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	8816	103.750	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 207.500%#	
35) Dibromofluoromethane	7.805	113	6707	58.469	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 116.940%	
50) Toluene-d8	10.269	98	19086	48.221	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 96.440%	
62) 4-Bromofluorobenzene	12.569	95	7228	54.386	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 108.780%	
Target Compounds						
20) Methylene Chloride	4.793	84	4139	31.318	ug/l	Qvalue # 88

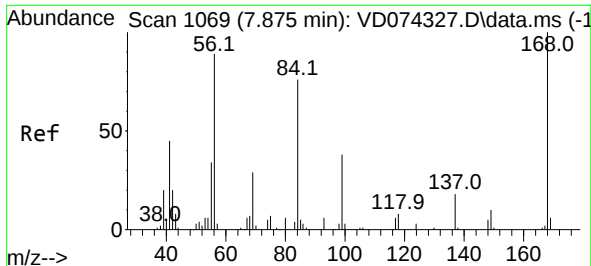
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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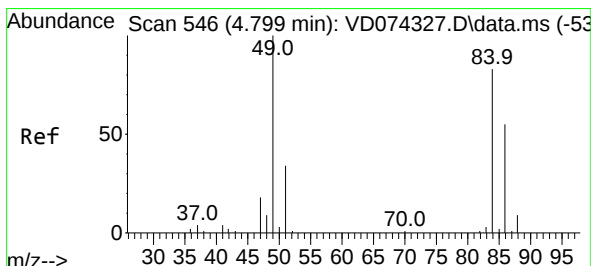
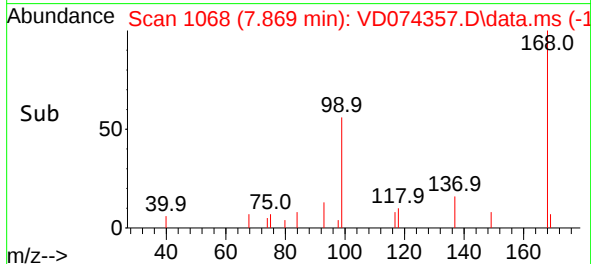
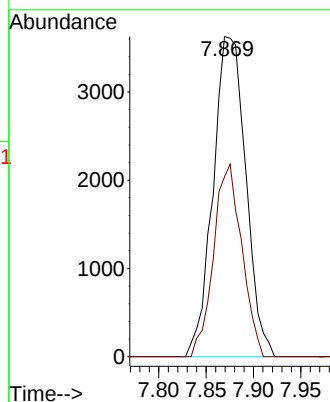
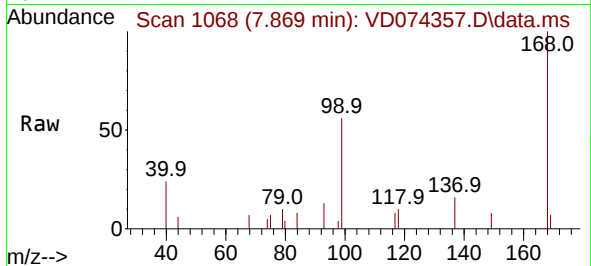




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.869 min Scan# 1069
Delta R.T. -0.006 min
Lab File: VD074357.D
Acq: 19 Sep 2022 20:23

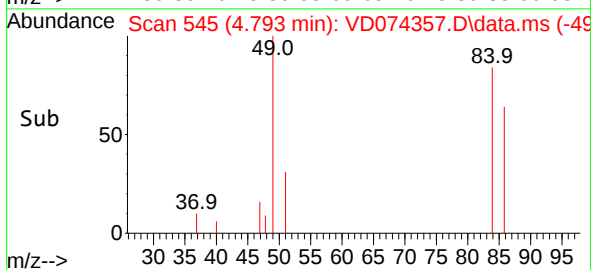
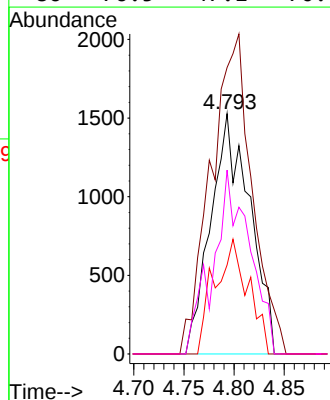
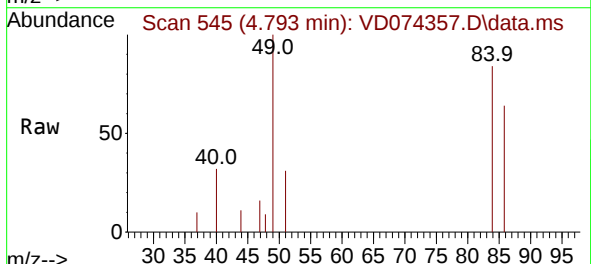
Instrument :
MSVOA_D
ClientSampleId :
HR-02-091522

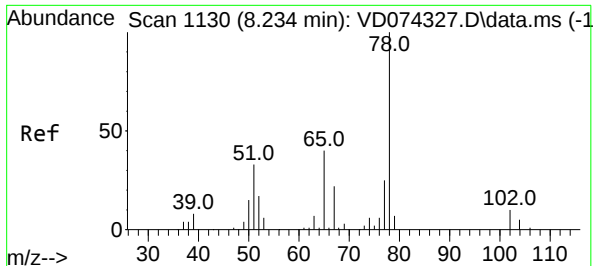
Tgt Ion:168 Resp: 8724
Ion Ratio Lower Upper
168 100
99 56.2 43.0 64.6



#20
Methylene Chloride
Concen: 31.318 ug/l
RT: 4.793 min Scan# 545
Delta R.T. -0.006 min
Lab File: VD074357.D
Acq: 19 Sep 2022 20:23

Tgt Ion: 84 Resp: 4139
Ion Ratio Lower Upper
84 100
49 119.2 88.4 132.6
51 37.0 28.0 42.0
86 76.5 47.1 70.7#





#33

1,2-Dichloroethane-d4

Concen: 103.750 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. -0.006 min

Lab File: VD074357.D

Acq: 19 Sep 2022 20:23

Instrument :

MSVOA_D

ClientSampleId :

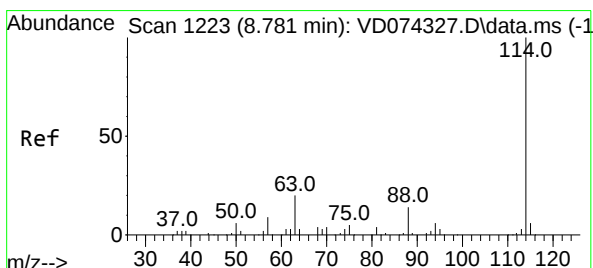
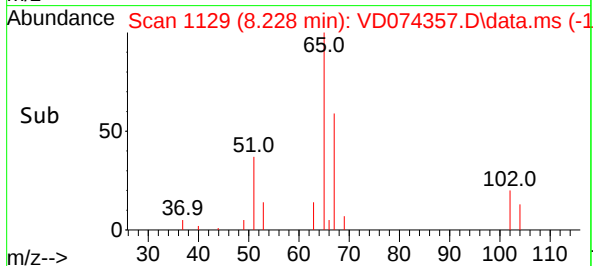
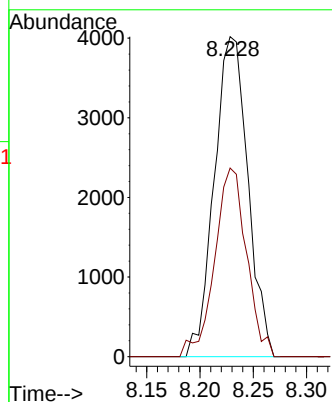
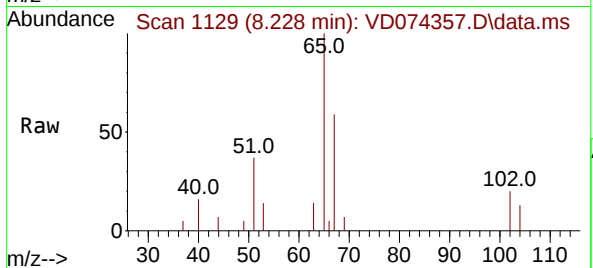
HR-02-091522

Tgt Ion: 65 Resp: 8816

Ion Ratio Lower Upper

65 100

67 55.9 0.0 110.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 1222

Delta R.T. -0.006 min

Lab File: VD074357.D

Acq: 19 Sep 2022 20:23

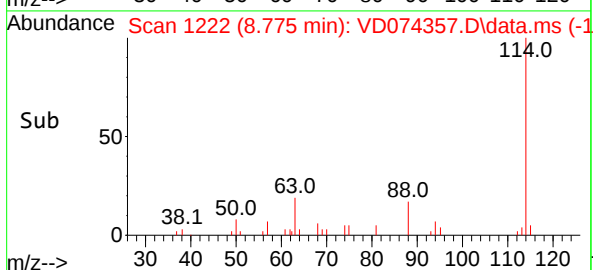
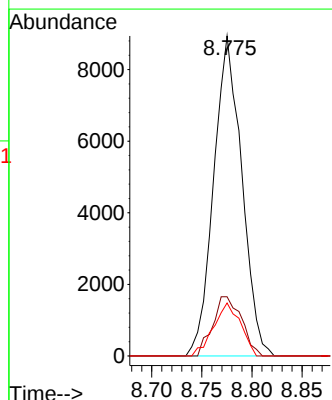
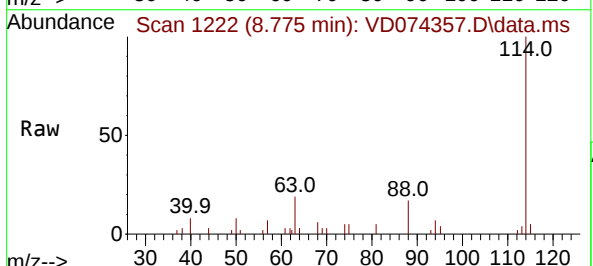
Tgt Ion: 114 Resp: 17417

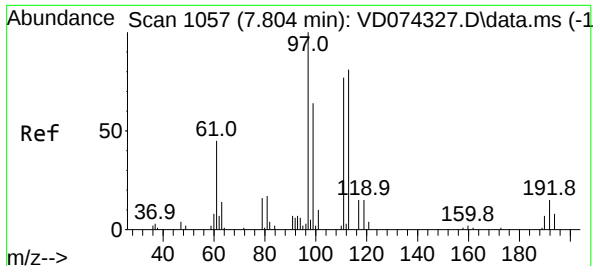
Ion Ratio Lower Upper

114 100

63 18.5 0.0 37.6

88 16.6 0.0 28.4





#35

Dibromofluoromethane

Concen: 58.469 ug/l

RT: 7.805 min Scan# 1057

Delta R.T. 0.001 min

Lab File: VD074357.D

Acq: 19 Sep 2022 20:23

Instrument :

MSVOA_D

ClientSampleId :

HR-02-091522

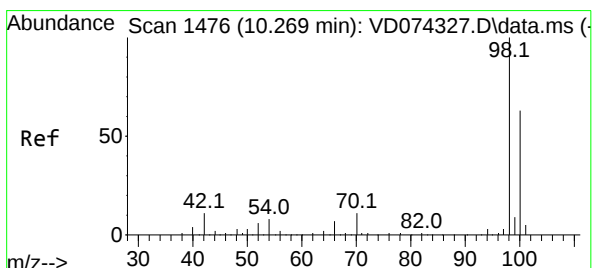
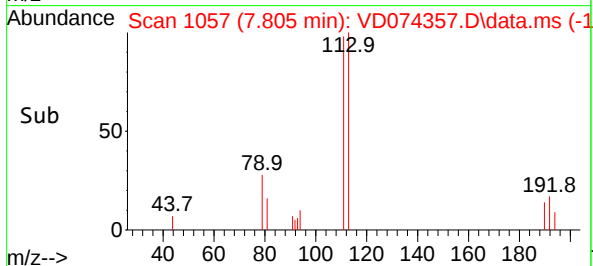
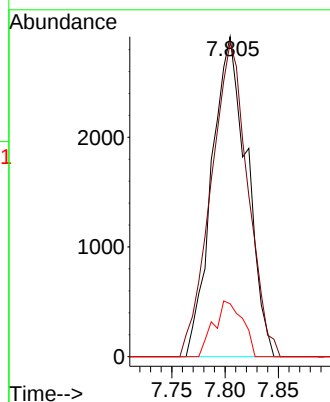
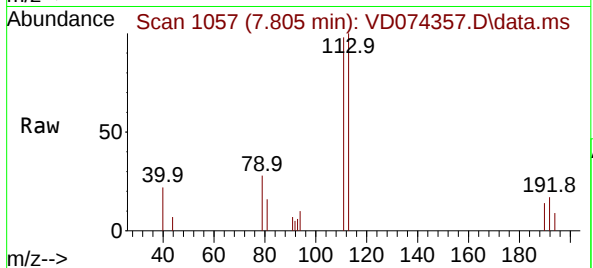
Tgt Ion:113 Resp: 6707

Ion Ratio Lower Upper

113 100

111 102.3 83.0 124.6

192 14.2 16.2 24.2#



#50

Toluene-d8

Concen: 48.221 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. 0.000 min

Lab File: VD074357.D

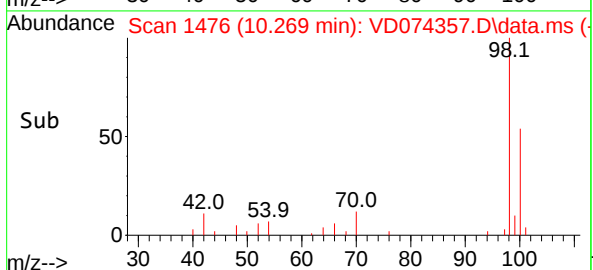
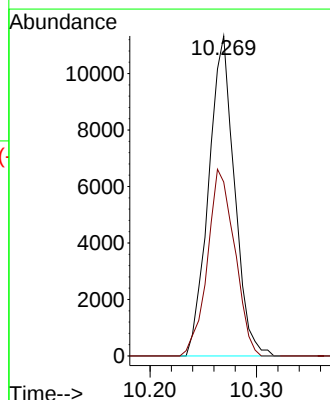
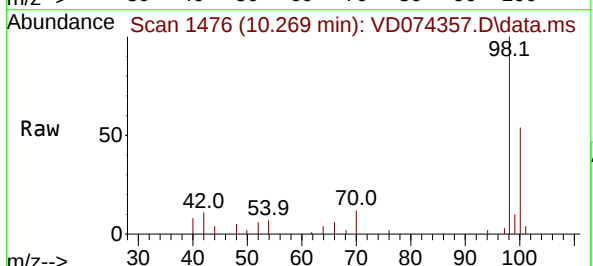
Acq: 19 Sep 2022 20:23

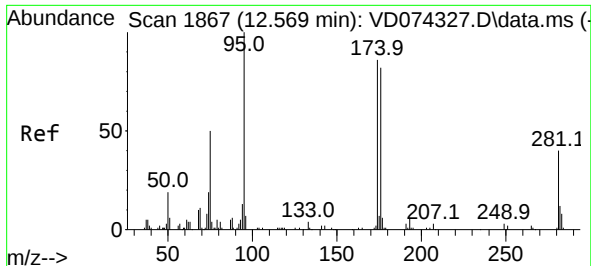
Tgt Ion: 98 Resp: 19086

Ion Ratio Lower Upper

98 100

100 61.6 51.8 77.8

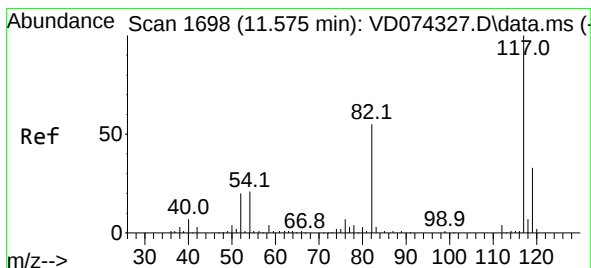
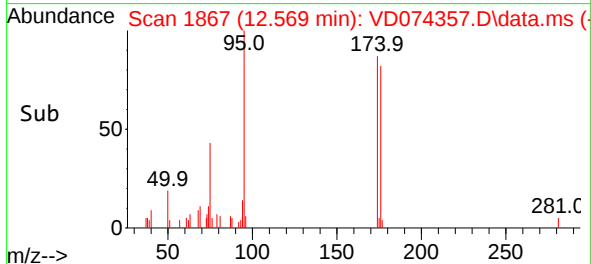
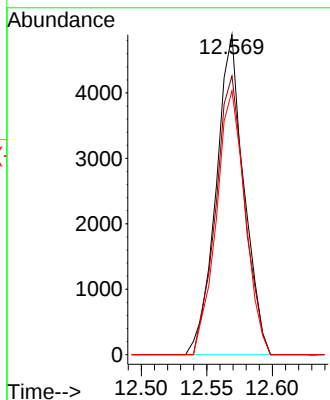
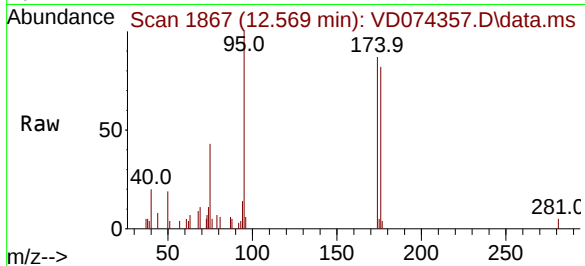




#62
4-Bromofluorobenzene
Concen: 54.386 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. 0.000 min
Lab File: VD074357.D
Acq: 19 Sep 2022 20:23

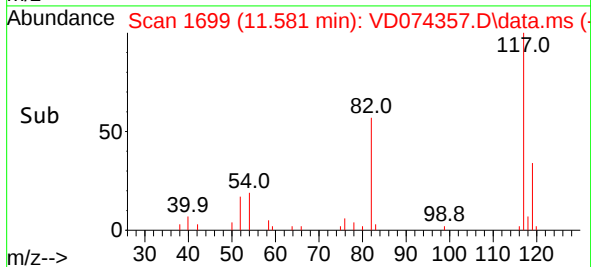
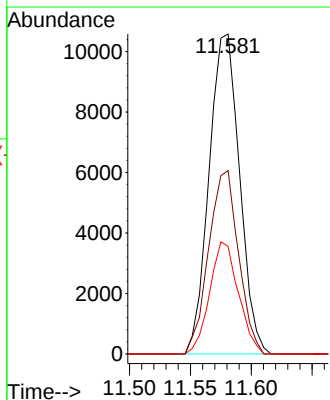
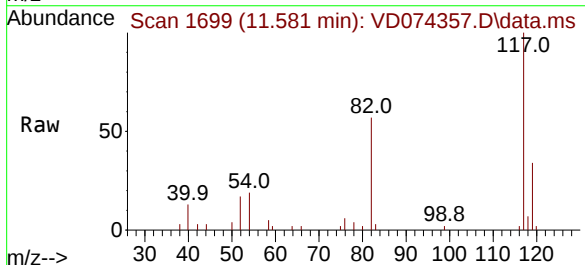
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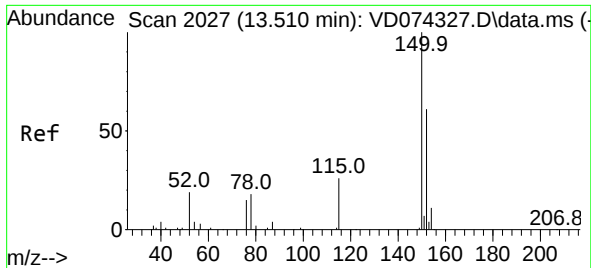
Tgt Ion:	95	Resp:	7228
Ion	Ratio	Lower	Upper
95	100		
174	91.1	0.0	179.2
176	85.0	0.0	171.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. 0.006 min
Lab File: VD074357.D
Acq: 19 Sep 2022 20:23

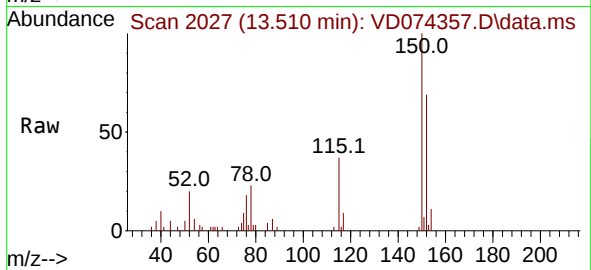
Tgt Ion:	117	Resp:	18457
Ion	Ratio	Lower	Upper
117	100		
82	57.3	44.2	66.2
119	33.6	25.4	38.0





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.510 min Scan# 20
 Delta R.T. 0.000 min
 Lab File: VD074357.D
 Acq: 19 Sep 2022 20:23

Instrument :
 MSVOA_D
 ClientSampleId :
 HR-02-091522



Tgt Ion:	152	Resp:	9476
Ion	Ratio	Lower	Upper
152	100		
115	59.3	28.4	85.2
150	160.6	0.0	351.0

