

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD121223\
 Data File : VD077842.D
 Acq On : 12 Dec 2023 15:17
 Operator : JC/SY
 Sample : 05740-01RE
 Misc : 5.08G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 CHRT-24328RE

Quant Time: Dec 12 16:52:56 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D120823S.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 08 13:33:18 2023
 Response via : Initial Calibration

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

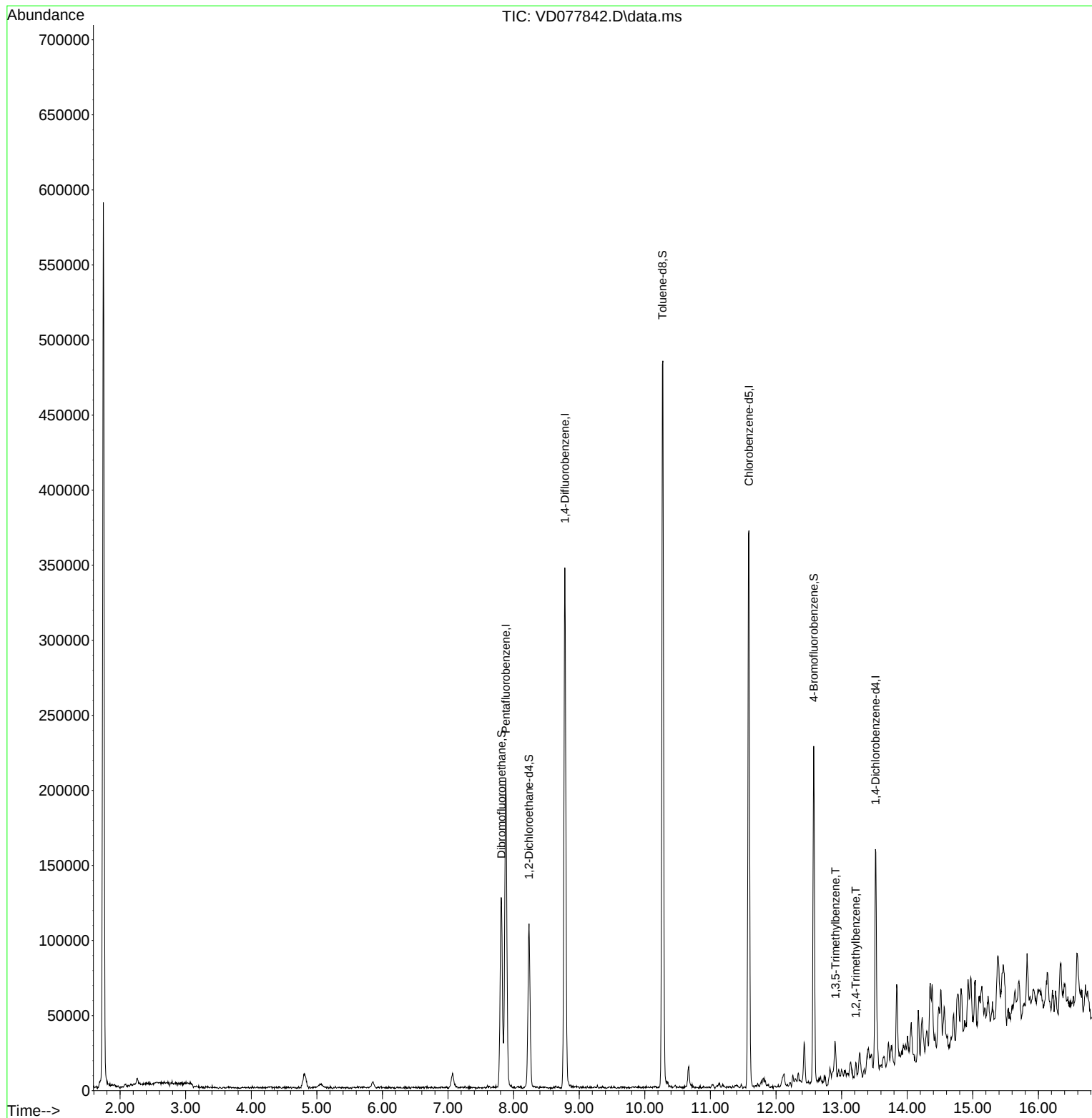
Internal Standards						
1) Pentafluorobenzene	7.881	168	157821	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	301391	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.587	117	221911	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	40182	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	81317	43.726	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	87.460%
35) Dibromofluoromethane	7.816	113	91231	43.214	ug/l	0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	86.420%
50) Toluene-d8	10.269	98	346316	40.958	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	81.920%
62) 4-Bromofluorobenzene	12.575	95	64151	25.377	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	50.760%
Target Compounds						
					Qvalue	
80) 1,3,5-Trimethylbenzene	12.904	105	4794	1.887	ug/l	92
84) 1,2,4-Trimethylbenzene	13.216	105	3934	1.549	ug/l	95

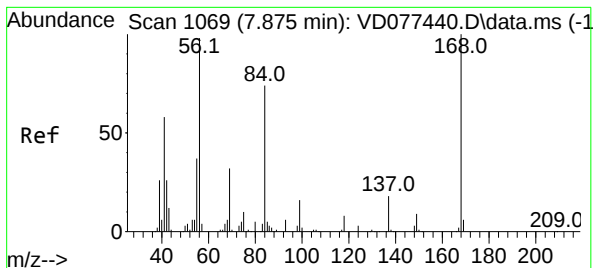
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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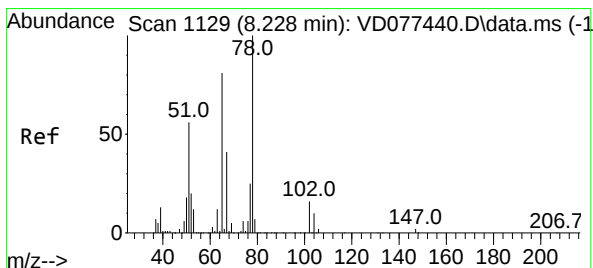
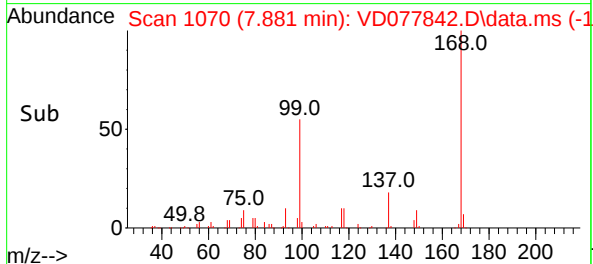
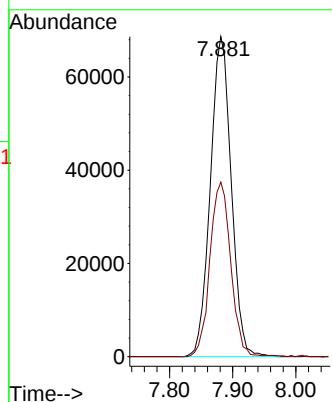
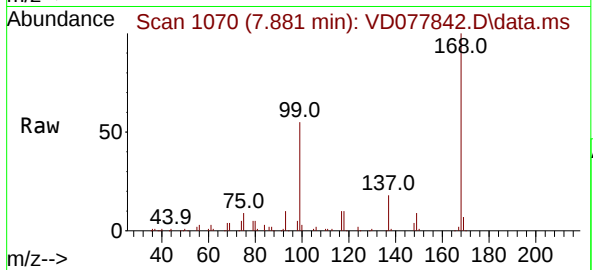




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.881 min Scan# 110
Delta R.T. 0.006 min
Lab File: VD077842.D
Acq: 12 Dec 2023 15:17

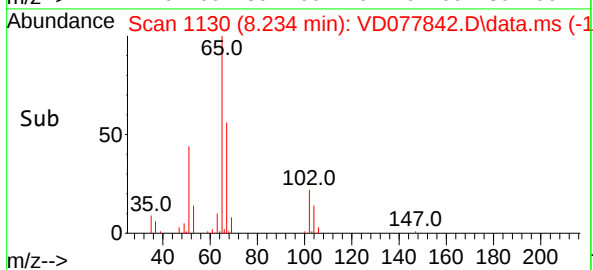
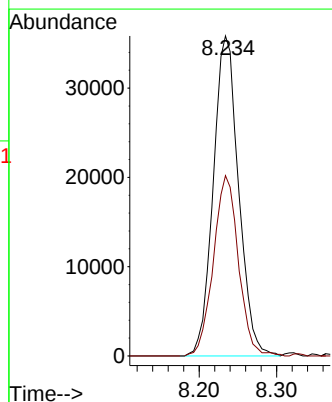
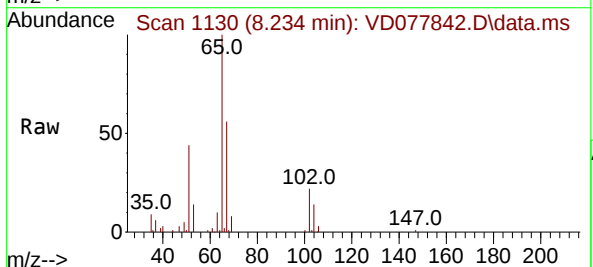
Instrument :
MSVOA_D
ClientSampleId :
CHRT-24328RE

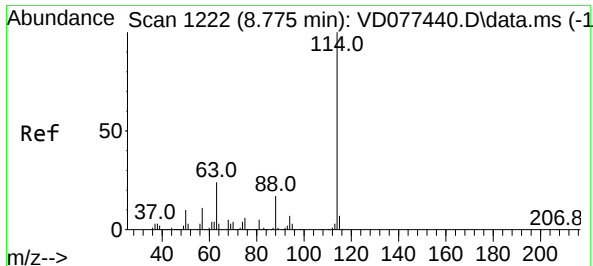
Tgt Ion:168 Resp: 157821
Ion Ratio Lower Upper
168 100
99 54.5 36.7 55.1



#33
1,2-Dichloroethane-d4
Concen: 43.726 ug/l
RT: 8.234 min Scan# 1130
Delta R.T. 0.006 min
Lab File: VD077842.D
Acq: 12 Dec 2023 15:17

Tgt Ion: 65 Resp: 81317
Ion Ratio Lower Upper
65 100
67 55.7 0.0 115.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.781 min Scan# 1

Delta R.T. 0.006 min

Lab File: VD077842.D

Acq: 12 Dec 2023 15:17

Instrument :

MSVOA_D

ClientSampleId :

CHRT-24328RE

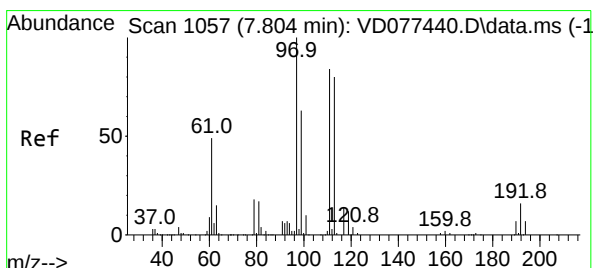
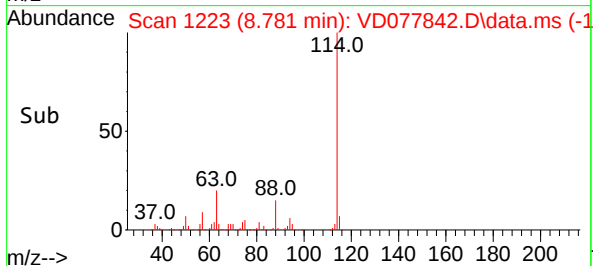
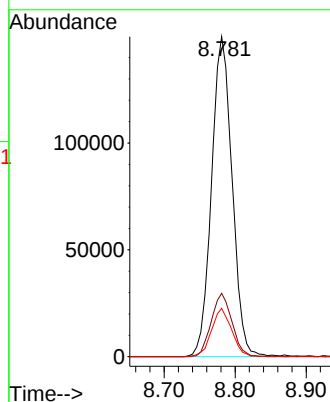
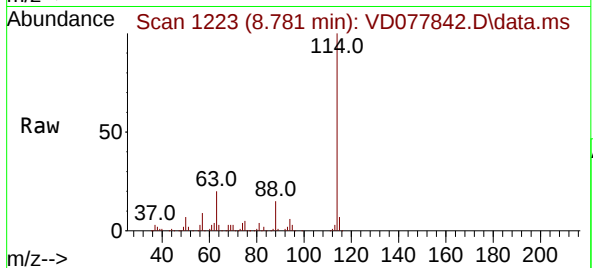
Tgt Ion:114 Resp: 301391

Ion Ratio Lower Upper

114 100

63 19.8 0.0 33.4

88 15.1 0.0 26.2



#35

Dibromofluoromethane

Concen: 43.214 ug/l

RT: 7.816 min Scan# 1059

Delta R.T. 0.012 min

Lab File: VD077842.D

Acq: 12 Dec 2023 15:17

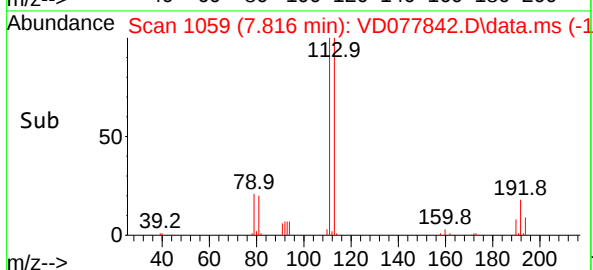
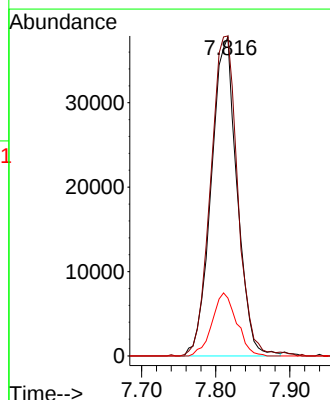
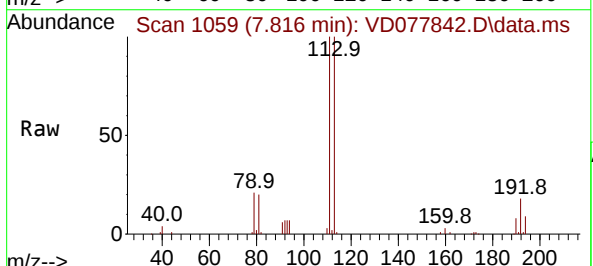
Tgt Ion:113 Resp: 91231

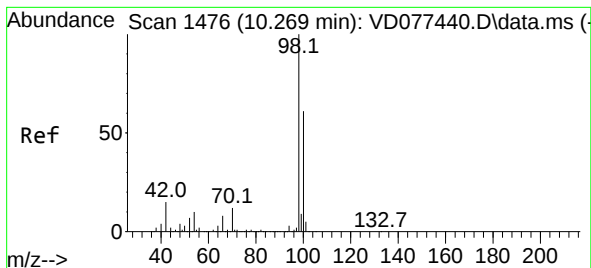
Ion Ratio Lower Upper

113 100

111 105.4 84.7 127.1

192 18.9 16.8 25.2





#50

Toluene-d8

Concen: 40.958 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. 0.000 min

Lab File: VD077842.D

Acq: 12 Dec 2023 15:17

Instrument :

MSVOA_D

ClientSampleId :

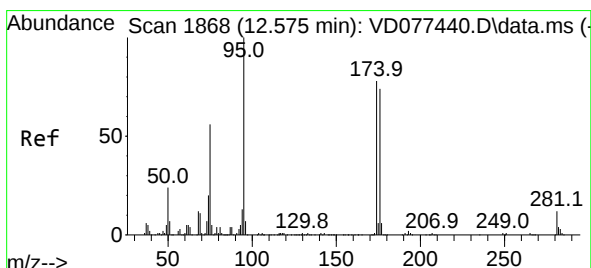
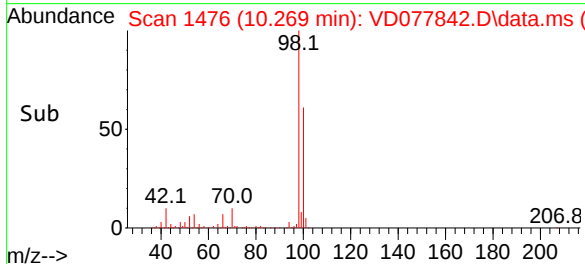
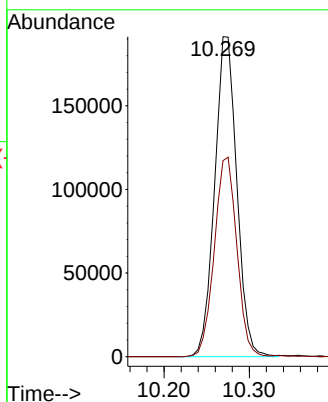
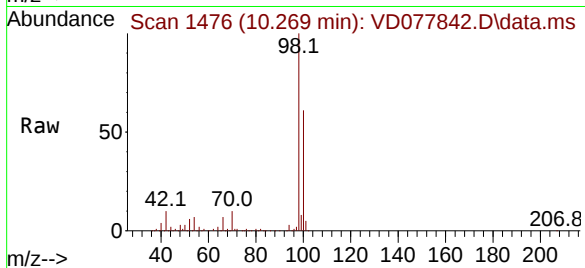
CHRT-24328RE

Tgt Ion: 98 Resp: 346316

Ion Ratio Lower Upper

98 100

100 63.1 50.3 75.5



#62

4-Bromofluorobenzene

Concen: 25.377 ug/l

RT: 12.575 min Scan# 1868

Delta R.T. -0.000 min

Lab File: VD077842.D

Acq: 12 Dec 2023 15:17

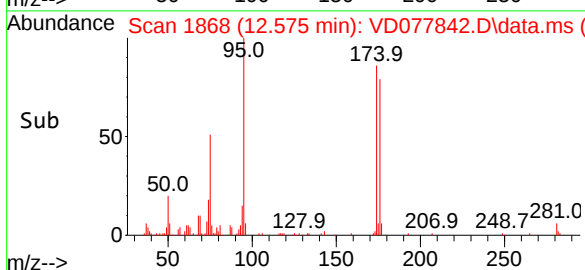
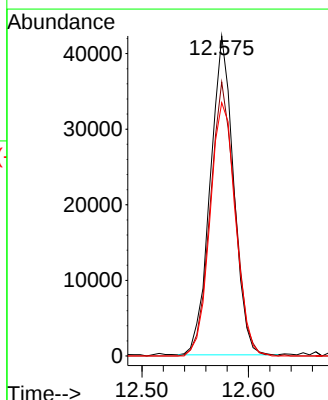
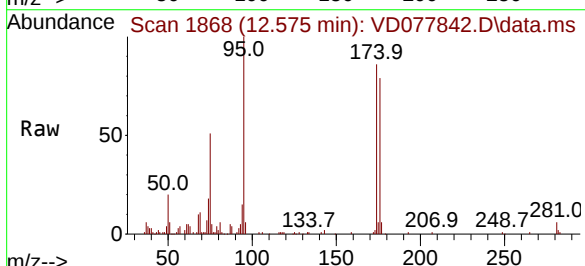
Tgt Ion: 95 Resp: 64151

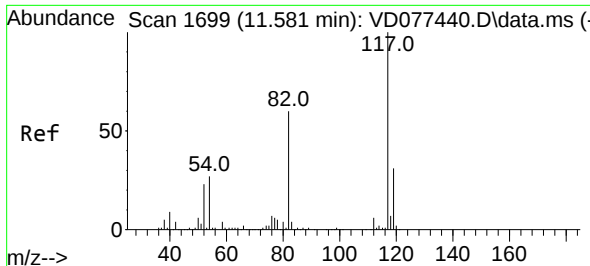
Ion Ratio Lower Upper

95 100

174 90.7 0.0 201.8

176 86.8 0.0 191.8

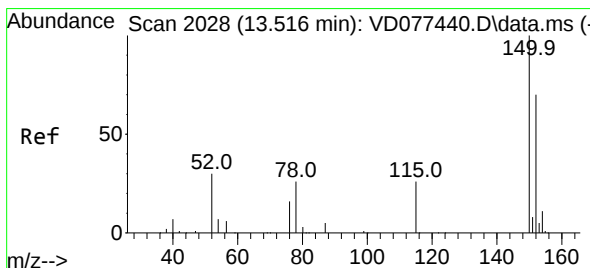
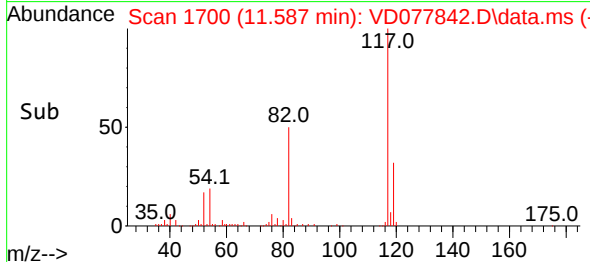
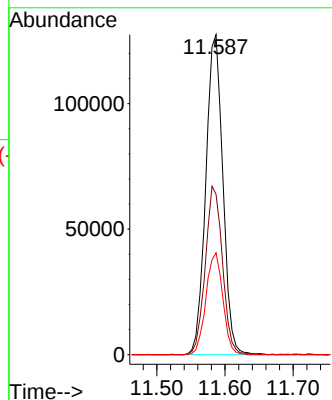
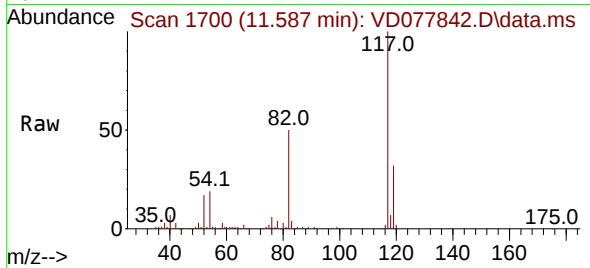




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.587 min Scan# 11
Delta R.T. 0.006 min
Lab File: VD077842.D
Acq: 12 Dec 2023 15:17

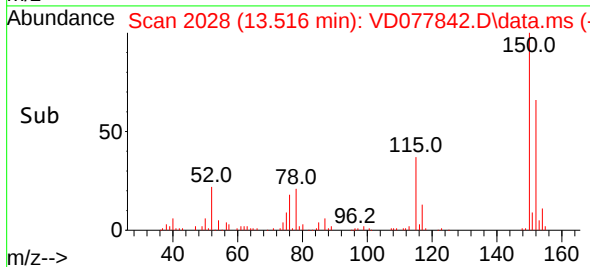
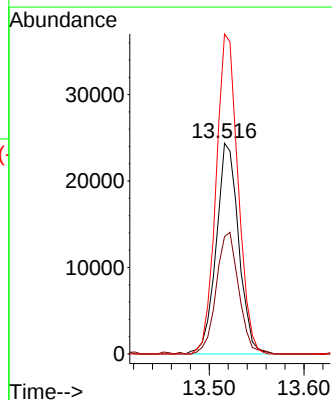
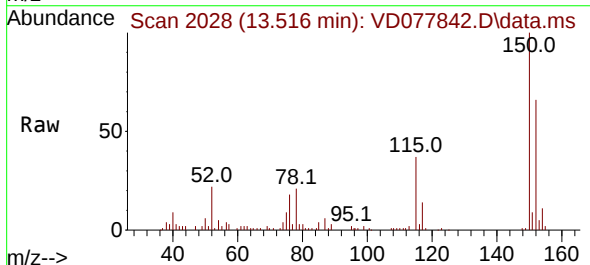
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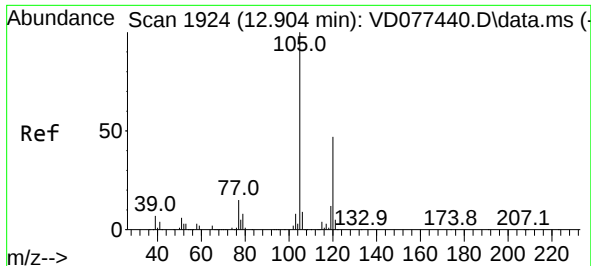
Tgt Ion:117 Resp: 221911
Ion Ratio Lower Upper
117 100
82 50.1 38.3 57.5
119 31.8 25.0 37.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 2028
Delta R.T. 0.000 min
Lab File: VD077842.D
Acq: 12 Dec 2023 15:17

Tgt Ion:152 Resp: 40182
Ion Ratio Lower Upper
152 100
115 58.1 27.1 81.3
150 148.7 0.0 353.6

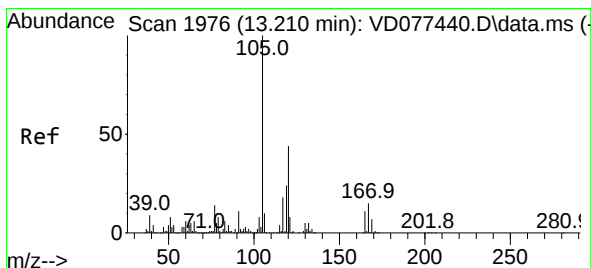
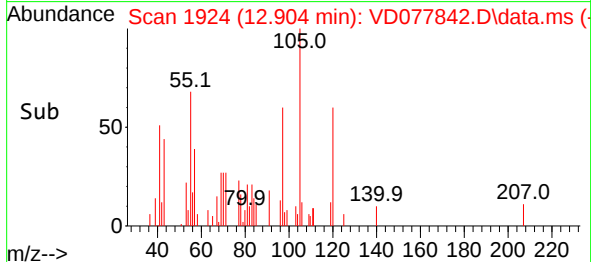
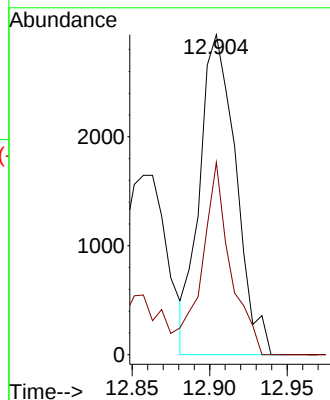
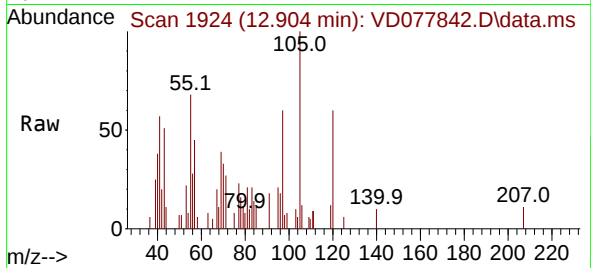




#80
 1,3,5-Trimethylbenzene
 Concen: 1.887 ug/l
 RT: 12.904 min Scan# 1924
 Delta R.T. 0.000 min
 Lab File: VD077842.D
 Acq: 12 Dec 2023 15:17

Instrument :
 MSVOA_D
 ClientSampleId :
 CHRT-24328RE

Tgt Ion:105 Resp: 4794
 Ion Ratio Lower Upper
 105 100
 120 47.3 26.4 79.2



#84
 1,2,4-Trimethylbenzene
 Concen: 1.549 ug/l
 RT: 13.216 min Scan# 1977
 Delta R.T. 0.006 min
 Lab File: VD077842.D
 Acq: 12 Dec 2023 15:17

Tgt Ion:105 Resp: 3934
 Ion Ratio Lower Upper
 105 100
 120 45.4 24.3 72.9

