

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD121223\
 Data File : VD077819.D
 Acq On : 11 Dec 2023 18:49
 Operator : JC/SY
 Sample : 05691-01
 Misc : 5.02G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SP-LINDEN

Quant Time: Dec 11 18:53:43 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)

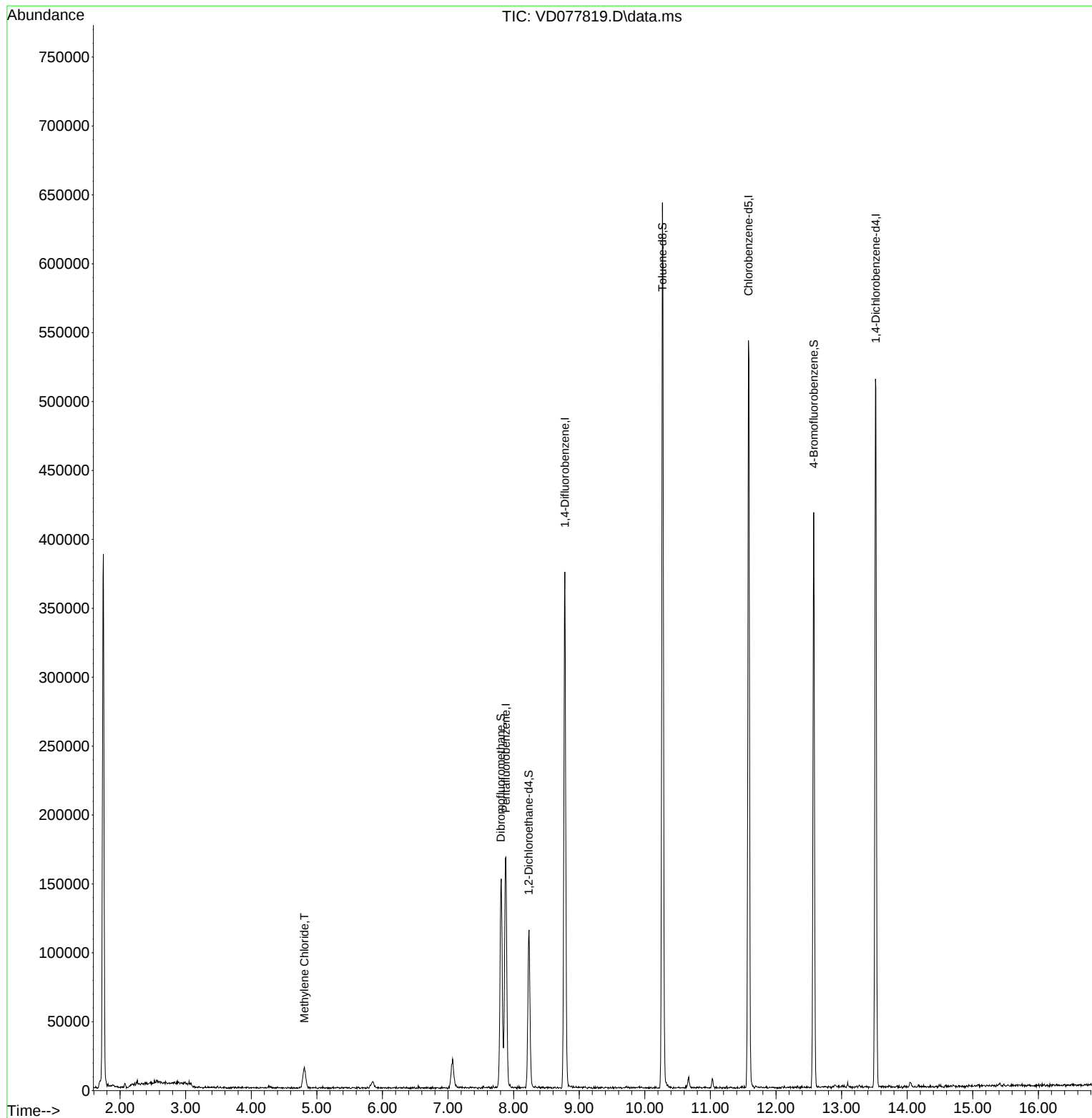
Internal Standards						
1) Pentafluorobenzene	7.881	168	133306	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	326533	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	321999	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	140991	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	86576	55.115	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	110.240%
35) Dibromofluoromethane	7.805	113	107328	46.924	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	93.840%
50) Toluene-d8	10.269	98	444766	48.551	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	97.100%
62) 4-Bromofluorobenzene	12.575	95	120706	44.072	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	88.140%
Target Compounds						
					Qvalue	
20) Methylene Chloride	4.811	84	11429	1.439	ug/l	86

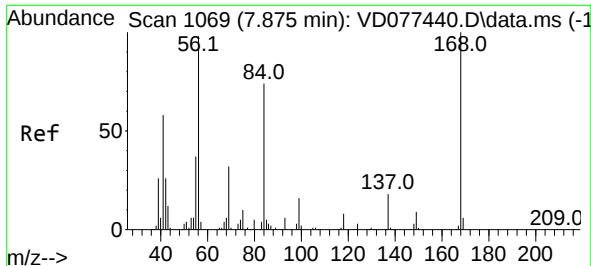
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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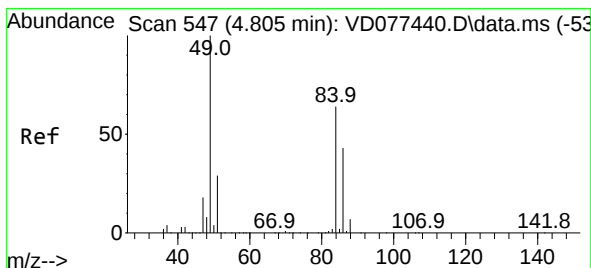
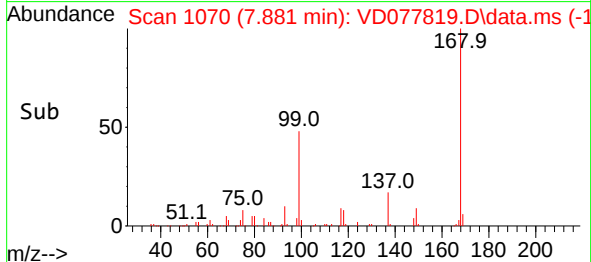
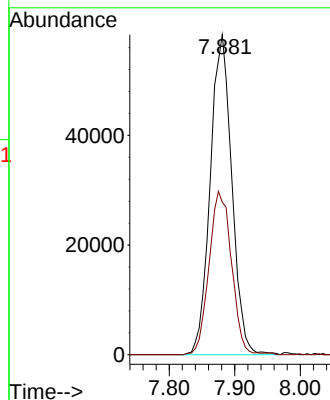
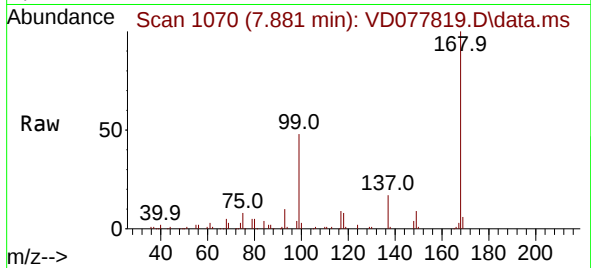




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.881 min Scan# 1069
Delta R.T. 0.006 min
Lab File: VD077819.D
Acq: 11 Dec 2023 18:49

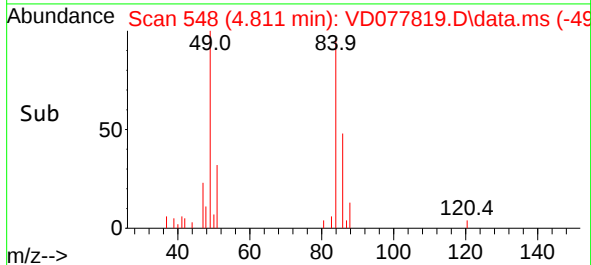
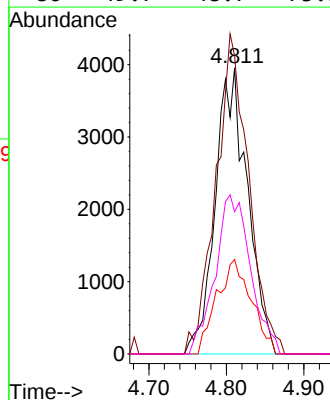
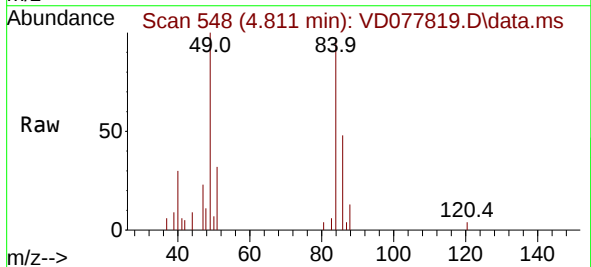
Instrument :
MSVOA_D
ClientSampleId :
SP-LINDEN

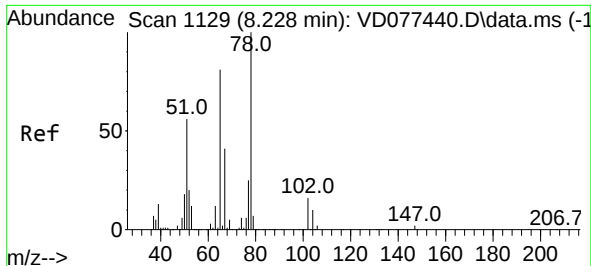
Tgt Ion:168 Resp: 133306
Ion Ratio Lower Upper
168 100
99 47.7 36.7 55.1



#20
Methylene Chloride
Concen: 1.439 ug/l
RT: 4.811 min Scan# 548
Delta R.T. 0.006 min
Lab File: VD077819.D
Acq: 11 Dec 2023 18:49

Tgt Ion: 84 Resp: 11429
Ion Ratio Lower Upper
84 100
49 104.2 71.4 107.2
51 33.0 24.5 36.7
86 49.7 48.7 73.1





#33

1,2-Dichloroethane-d4

Concen: 55.115 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. 0.000 min

Lab File: VD077819.D

Acq: 11 Dec 2023 18:49

Instrument :

MSVOA_D

ClientSampleId :

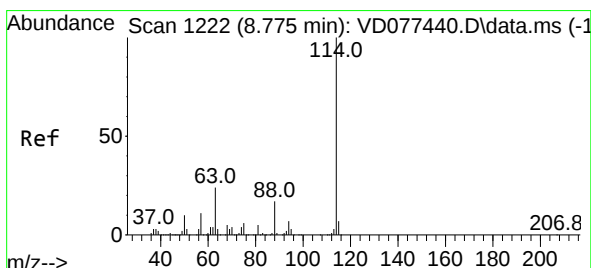
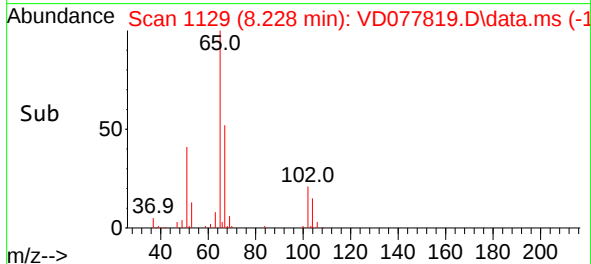
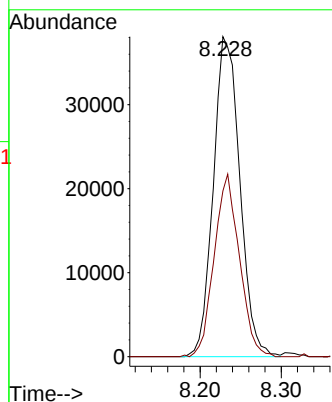
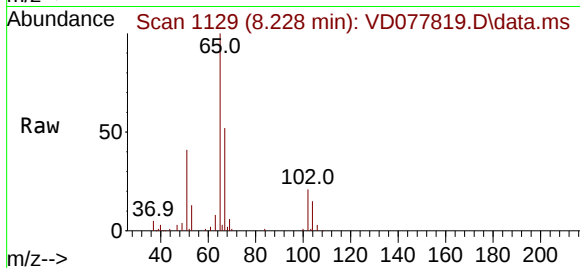
SP-LINDEN

Tgt Ion: 65 Resp: 86576

Ion Ratio Lower Upper

65 100

67 54.2 0.0 115.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.781 min Scan# 1223

Delta R.T. 0.006 min

Lab File: VD077819.D

Acq: 11 Dec 2023 18:49

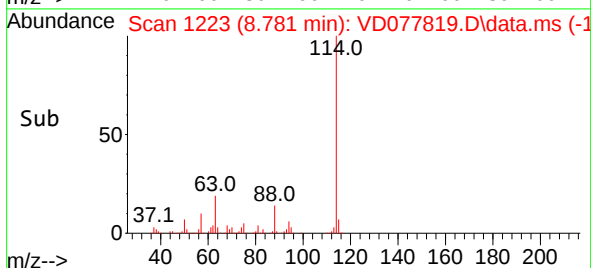
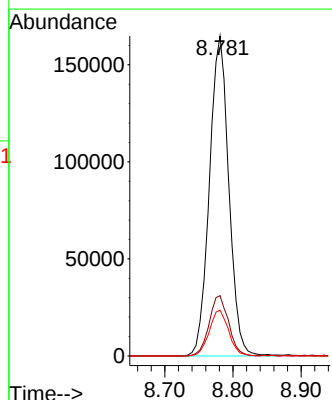
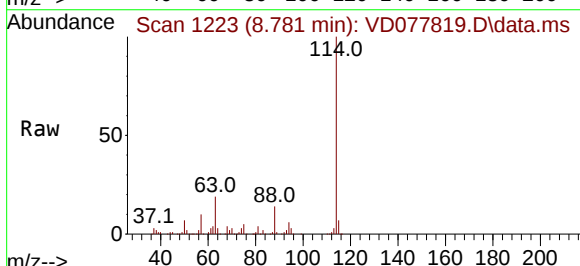
Tgt Ion: 114 Resp: 326533

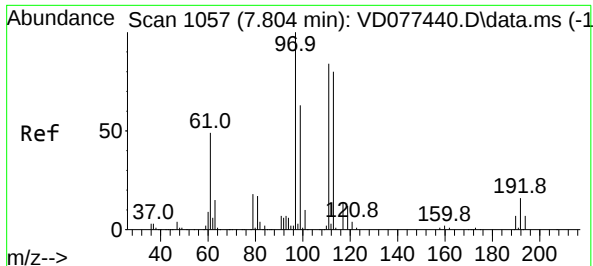
Ion Ratio Lower Upper

114 100

63 18.8 0.0 33.4

88 14.3 0.0 26.2





#35

Dibromofluoromethane

Concen: 46.924 ug/l

RT: 7.805 min Scan# 1057

Delta R.T. 0.001 min

Lab File: VD077819.D

Acq: 11 Dec 2023 18:49

Instrument :

MSVOA_D

ClientSampleId :

SP-LINDEN

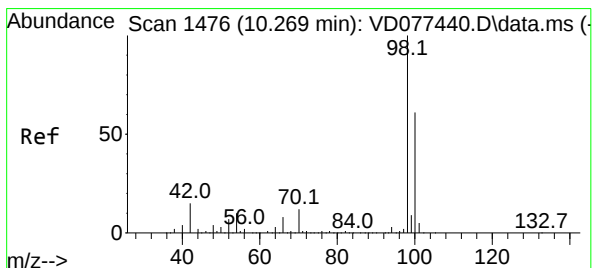
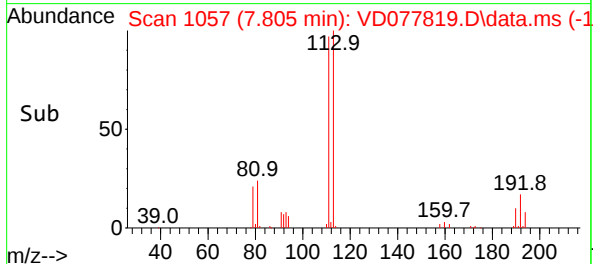
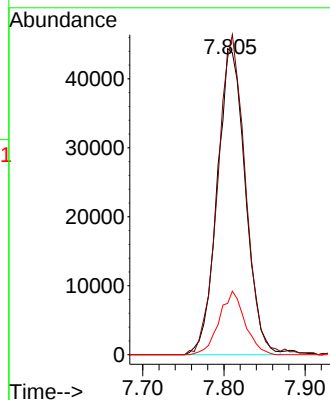
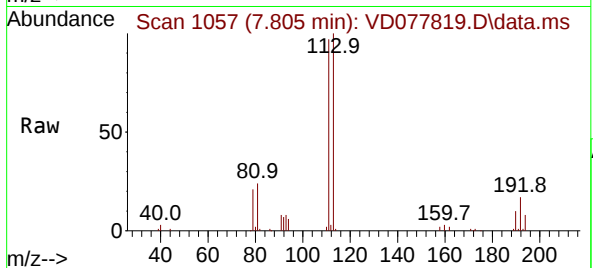
Tgt Ion:113 Resp: 107328

Ion Ratio Lower Upper

113 100

111 102.9 84.7 127.1

192 18.9 16.8 25.2



#50

Toluene-d8

Concen: 48.551 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. 0.000 min

Lab File: VD077819.D

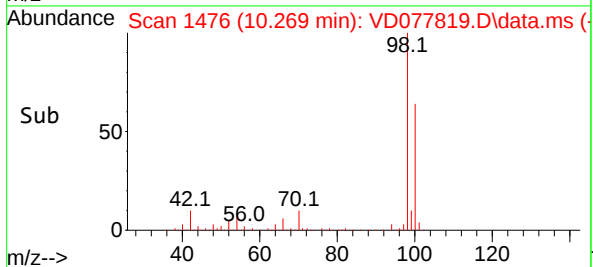
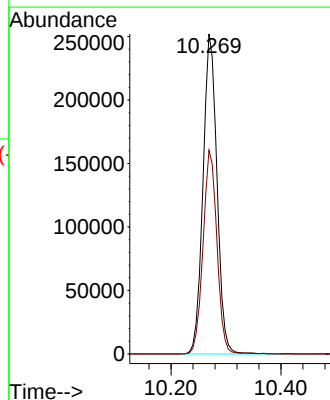
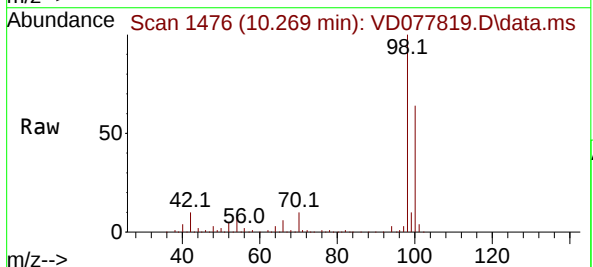
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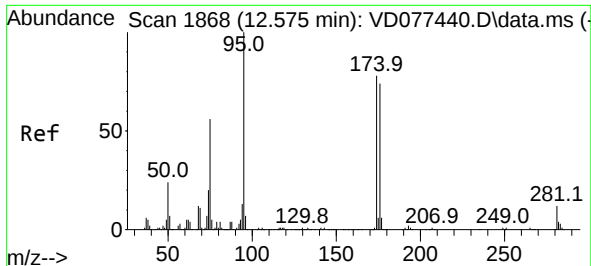
Tgt Ion: 98 Resp: 444766

Ion Ratio Lower Upper

98 100

100 63.0 50.3 75.5

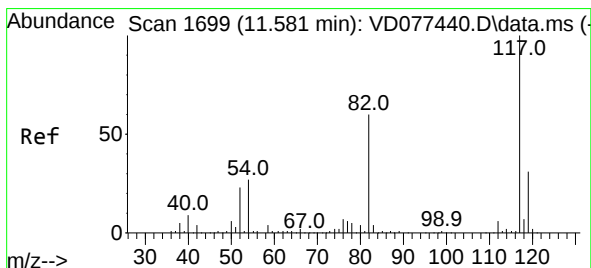
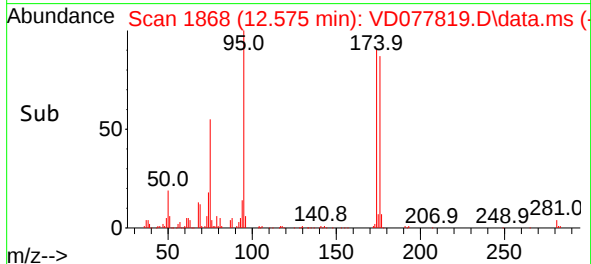
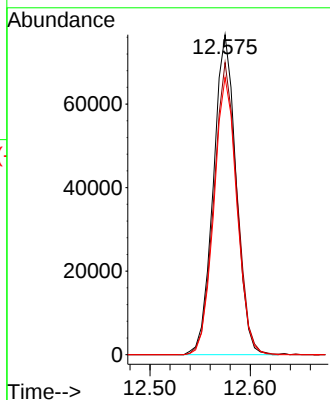
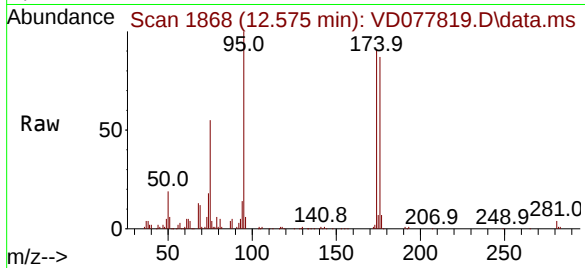




#62
4-Bromofluorobenzene
Concen: 44.072 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD077819.D
Acq: 11 Dec 2023 18:49

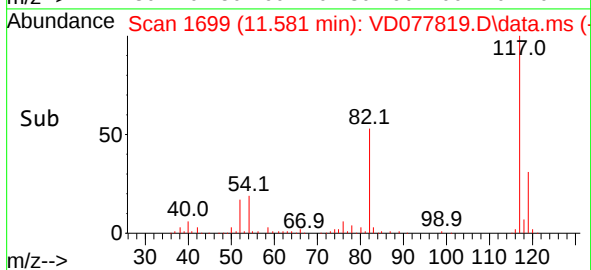
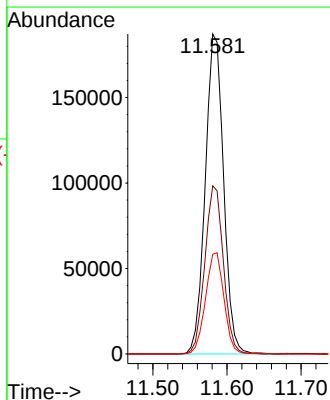
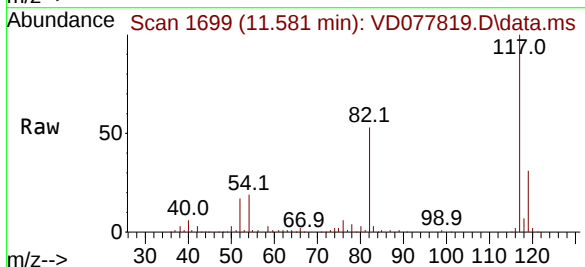
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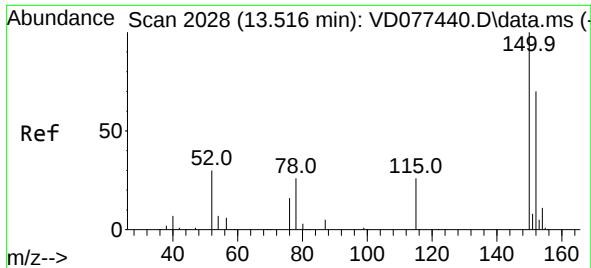
Tgt Ion: 95 Resp: 120706
Ion Ratio Lower Upper
95 100
174 93.0 0.0 201.8
176 87.5 0.0 191.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. -0.000 min
Lab File: VD077819.D
Acq: 11 Dec 2023 18:49

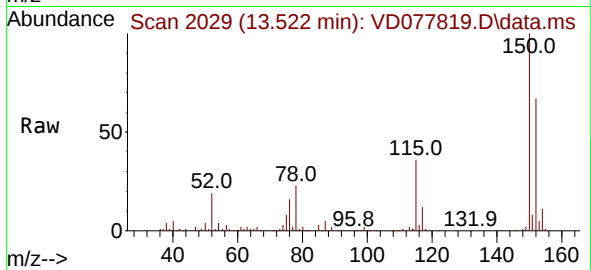
Tgt Ion: 117 Resp: 321999
Ion Ratio Lower Upper
117 100
82 52.6 38.3 57.5
119 31.1 25.0 37.4





#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.522 min Scan# 20
Delta R.T. 0.006 min
Lab File: VD077819.D
Acq: 11 Dec 2023 18:49

Instrument :
MSVOA_D
ClientSampleId :
SP-LINDEN



Tgt Ion:152 Resp: 140991
Ion Ratio Lower Upper
152 100
115 56.2 27.1 81.3
150 158.5 0.0 353.6

