

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051723\
 Data File : VD076125.D
 Acq On : 17 May 2023 16:15
 Operator : KP/SY
 Sample : 02811-01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 72-11995

Quant Time: May 18 05:21:49 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051523S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 16 10:08:53 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	159352	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	306404	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	250373	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	67897	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	109779	71.281	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	142.560%
35) Dibromofluoromethane	7.805	113	134980	63.732	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	127.460%
50) Toluene-d8	10.269	98	377894	45.771	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	91.540%
62) 4-Bromofluorobenzene	12.575	95	83699	36.495	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	72.980%

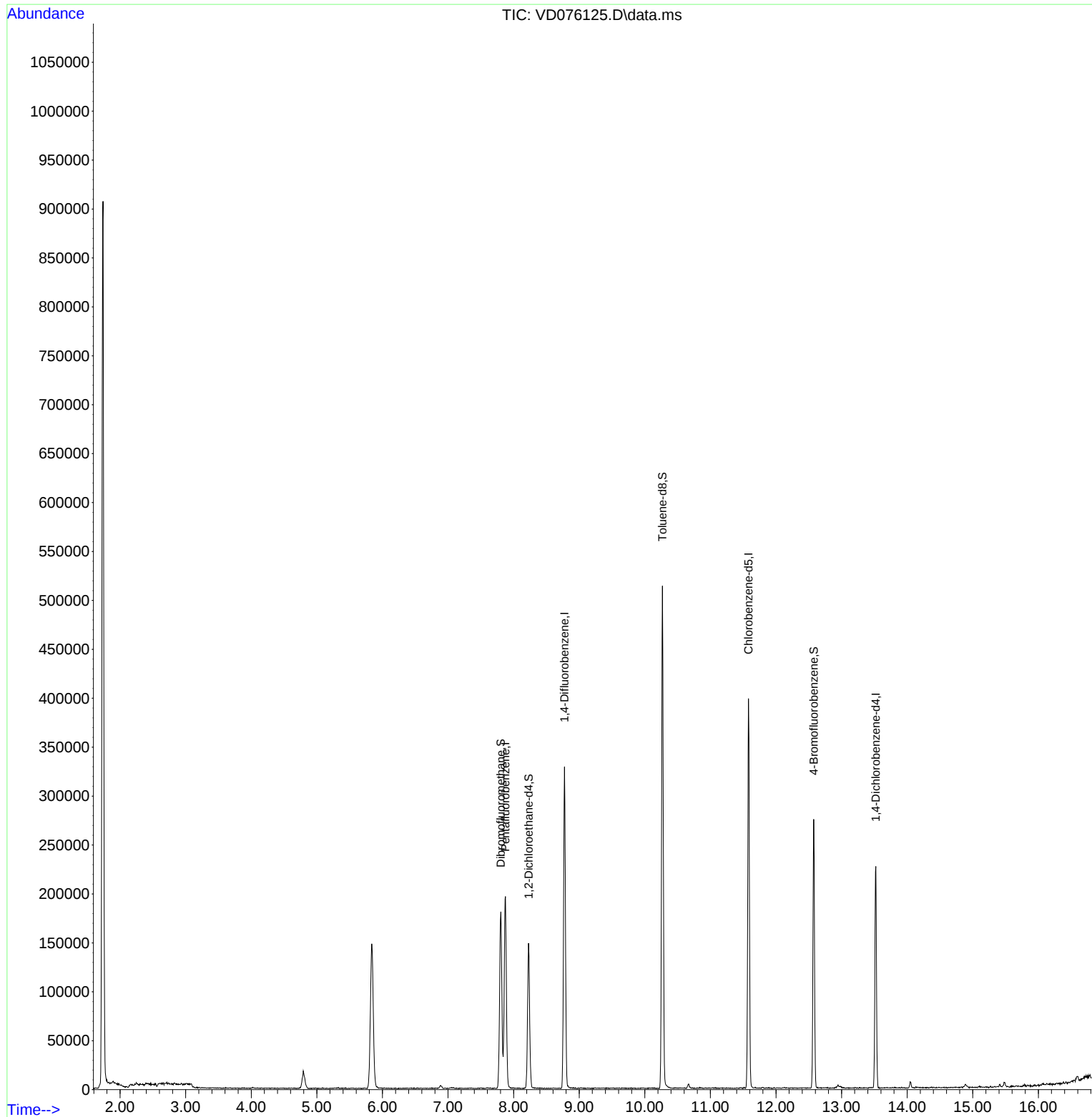
Target Compounds	Qvalue

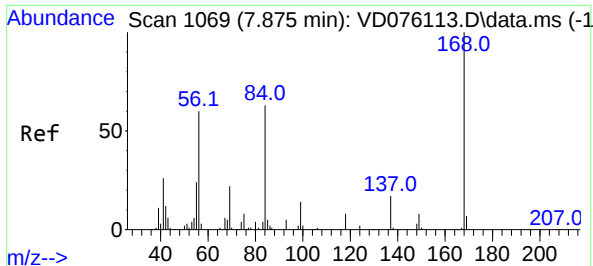
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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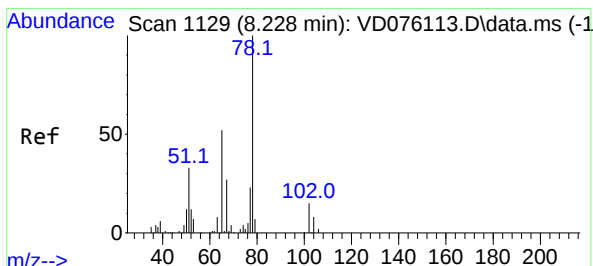
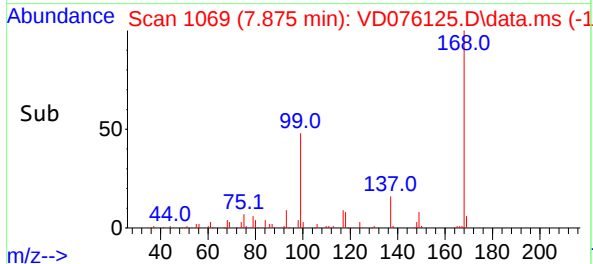
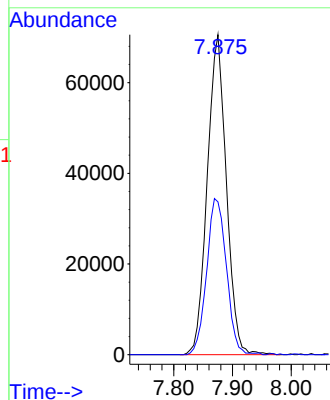
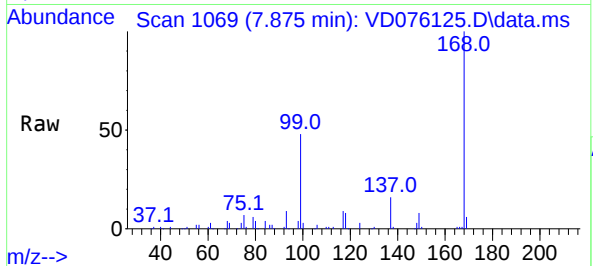




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD076125.D
Acq: 17 May 2023 16:15

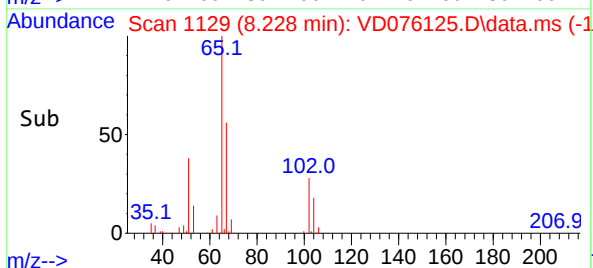
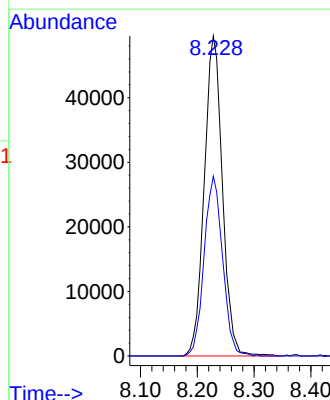
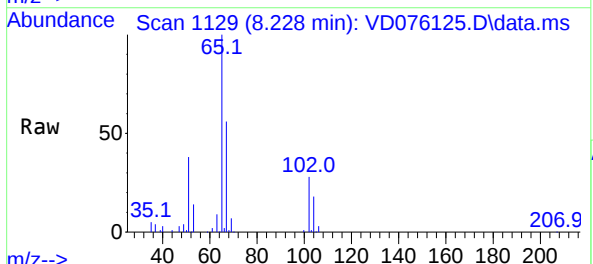
Instrument :
MSVOA_D
ClientSampleId :
72-11995

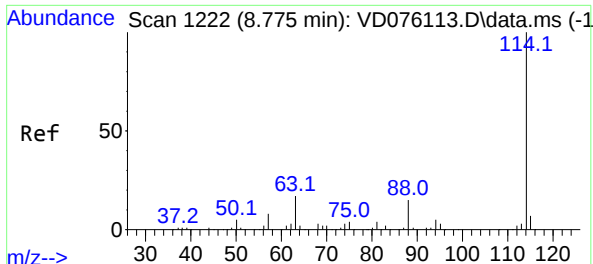
Tgt Ion:168 Resp: 159352
Ion Ratio Lower Upper
168 100
99 47.8 43.8 65.6



#33
1,2-Dichloroethane-d4
Concen: 71.281 ug/l
RT: 8.228 min Scan# 1129
Delta R.T. -0.006 min
Lab File: VD076125.D
Acq: 17 May 2023 16:15

Tgt Ion: 65 Resp: 109779
Ion Ratio Lower Upper
65 100
67 57.1 0.0 102.2

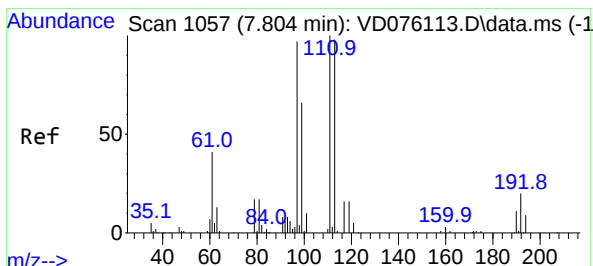
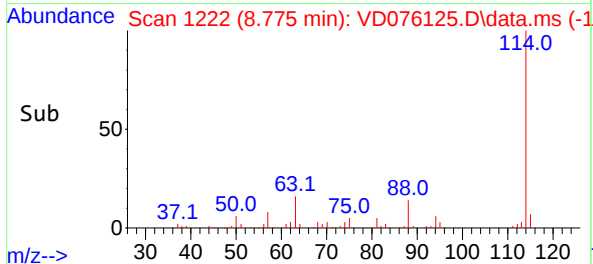
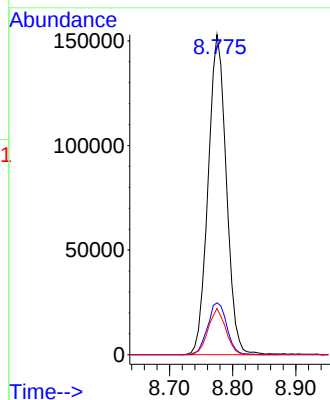
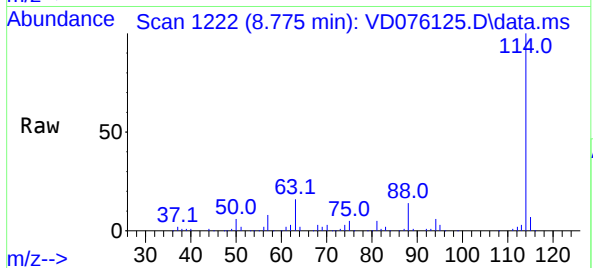




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.775 min Scan# 11
Delta R.T. 0.000 min
Lab File: VD076125.D
Acq: 17 May 2023 16:15

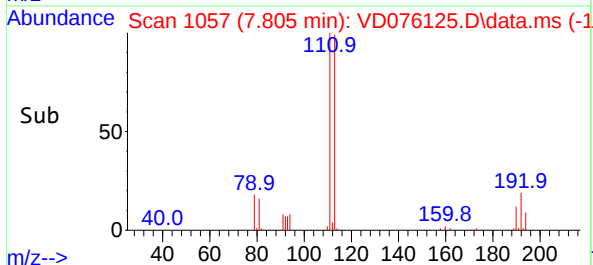
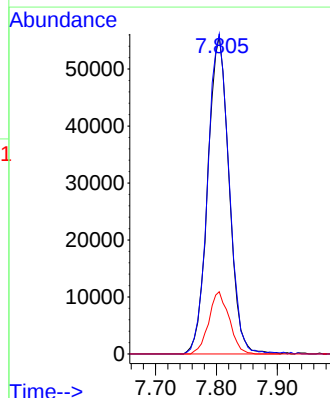
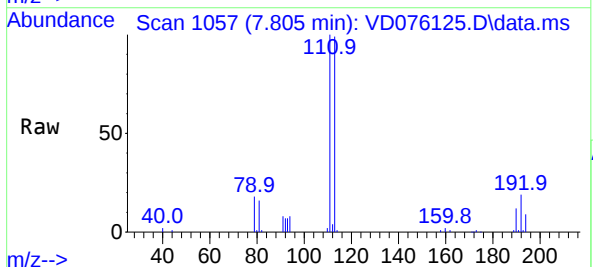
Instrument :
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ClientSampleId :
72-11995

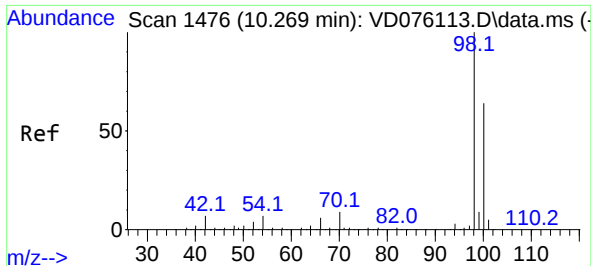
Tgt Ion:114 Resp: 306404
Ion Ratio Lower Upper
114 100
63 16.2 0.0 41.6
88 14.5 0.0 30.6



#35
Dibromofluoromethane
Concen: 63.732 ug/l
RT: 7.805 min Scan# 1057
Delta R.T. -0.000 min
Lab File: VD076125.D
Acq: 17 May 2023 16:15

Tgt Ion:113 Resp: 134980
Ion Ratio Lower Upper
113 100
111 101.3 81.4 122.0
192 18.8 15.2 22.8

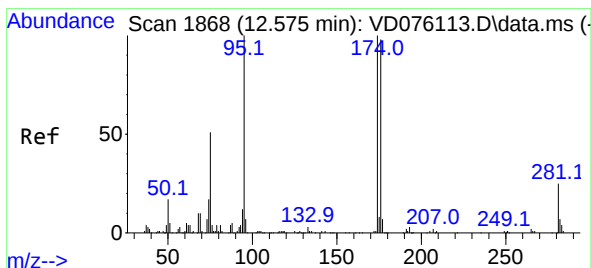
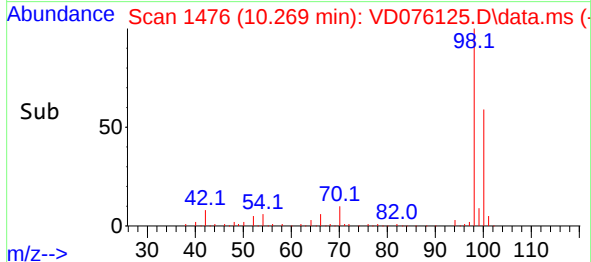
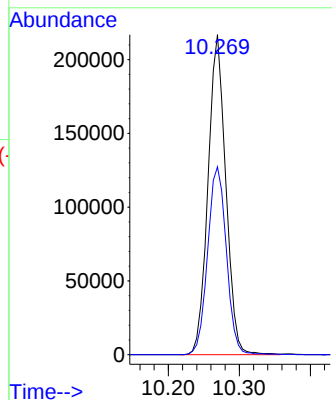
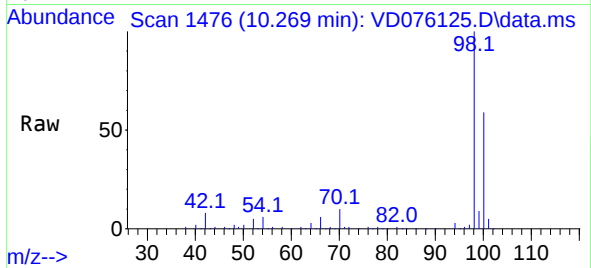




#50
Toluene-d8
Concen: 45.771 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD076125.D
Acq: 17 May 2023 16:15

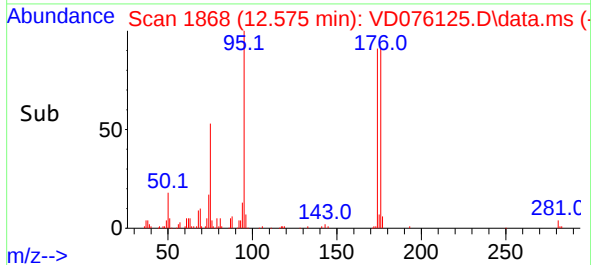
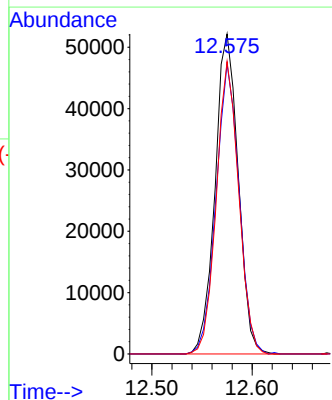
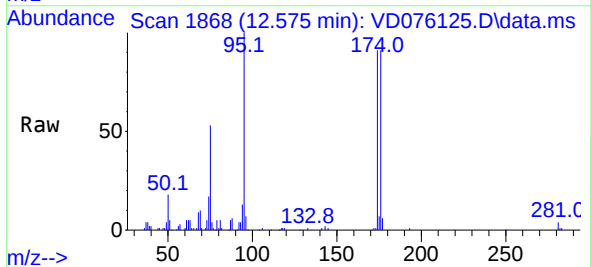
Instrument :
MSVOA_D
ClientSampleId :
72-11995

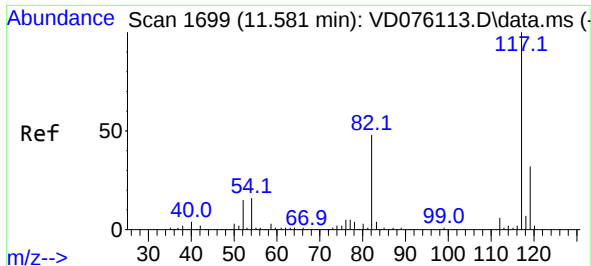
Tgt Ion: 98 Resp: 377894
Ion Ratio Lower Upper
98 100
100 61.8 52.1 78.1



#62
4-Bromofluorobenzene
Concen: 36.495 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD076125.D
Acq: 17 May 2023 16:15

Tgt Ion: 95 Resp: 83699
Ion Ratio Lower Upper
95 100
174 89.9 0.0 164.0
176 88.1 0.0 156.8

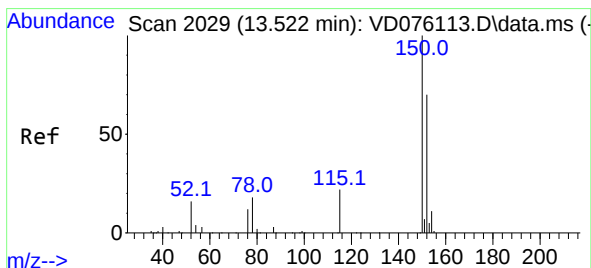
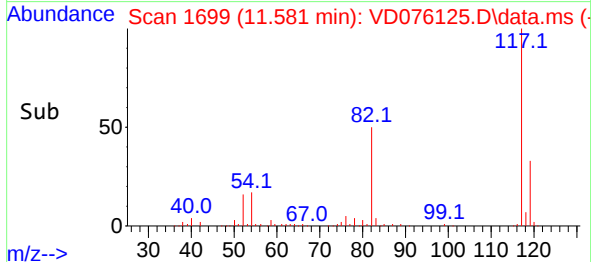
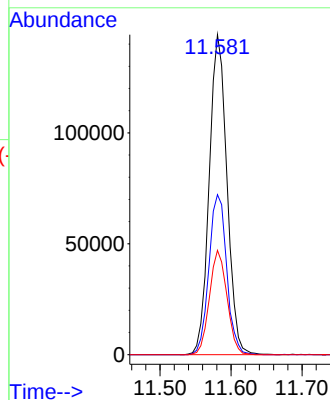
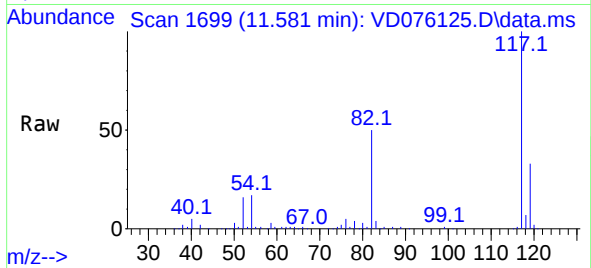




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1
Delta R.T. -0.000 min
Lab File: VD076125.D
Acq: 17 May 2023 16:15

Instrument :
MSVOA_D
ClientSampleId :
72-11995

Tgt Ion:117 Resp: 250373
Ion Ratio Lower Upper
117 100
82 50.0 44.0 66.0
119 32.6 25.1 37.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.522 min Scan# 2029
Delta R.T. -0.000 min
Lab File: VD076125.D
Acq: 17 May 2023 16:15

Tgt Ion:152 Resp: 67897
Ion Ratio Lower Upper
152 100
115 53.5 30.1 90.3
150 151.1 0.0 364.8

