

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD080223\
 Data File : VD076907.D
 Acq On : 02 Aug 2023 19:31
 Operator : KP/SY
 Sample : 03877-04
 Misc : 5.01G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 COMP-2

Quant Time: Aug 03 01:26:05 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D071423S.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 17 08:07:52 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.869	168	79551	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.775	114	160190	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	165956	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	78177	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	55508	70.055	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	140.100%
35) Dibromofluoromethane	7.810	113	58199	57.815	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	115.620%
50) Toluene-d8	10.269	98	199896	55.509	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	111.020%
62) 4-Bromofluorobenzene	12.569	95	67569	58.000	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	116.000%

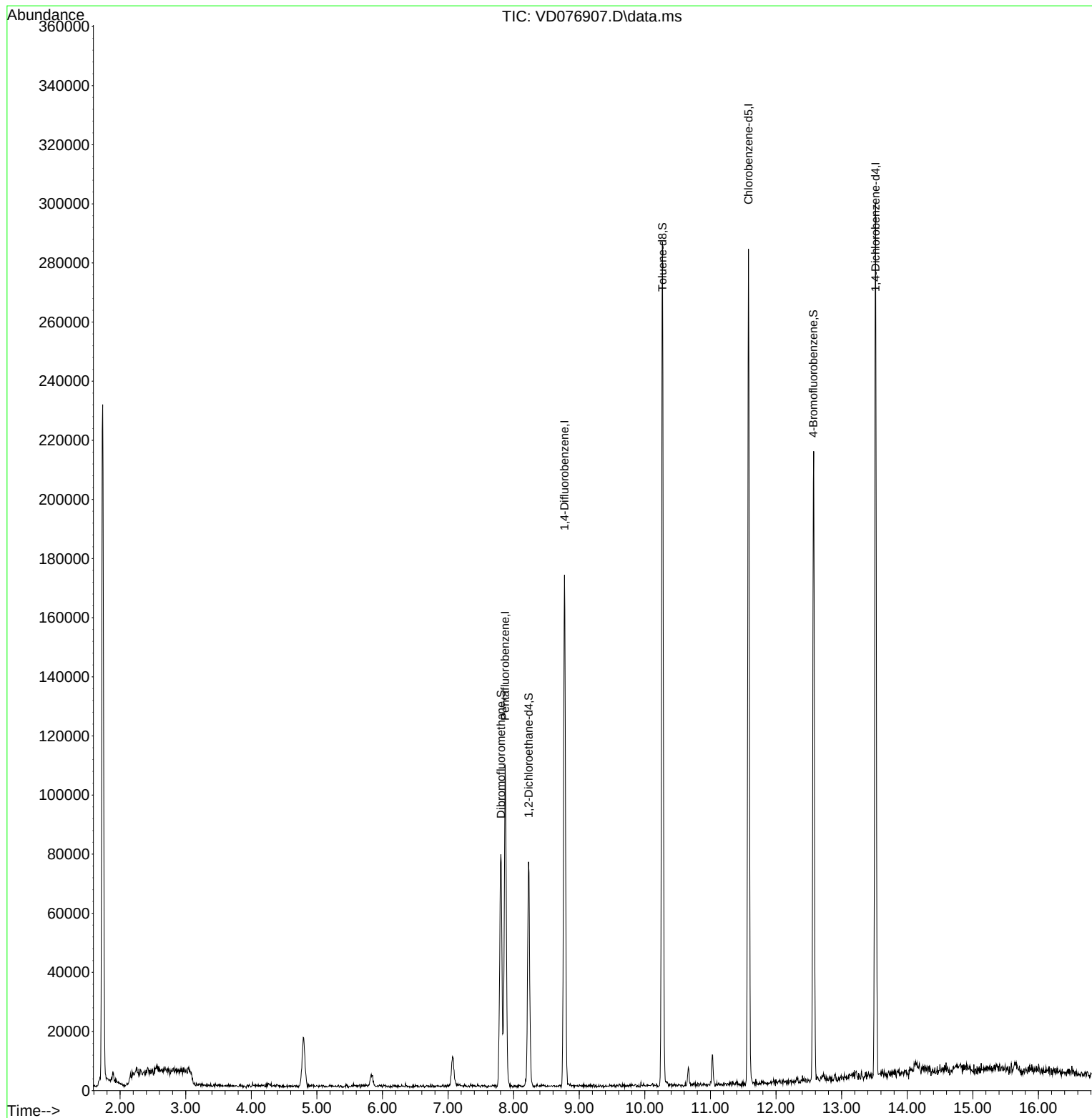
Target Compounds	Qvalue

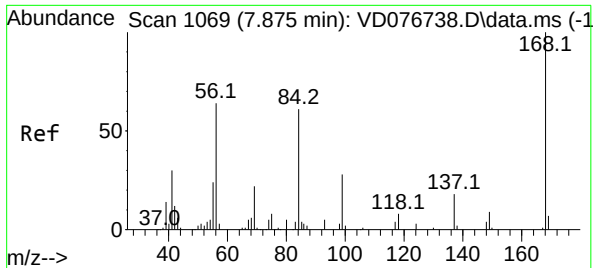
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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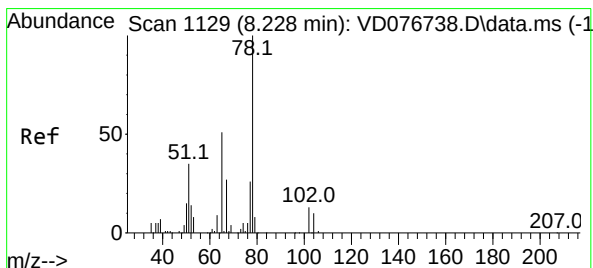
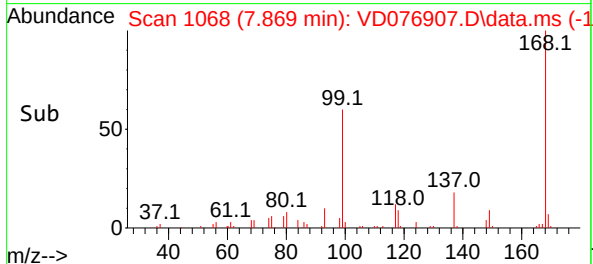
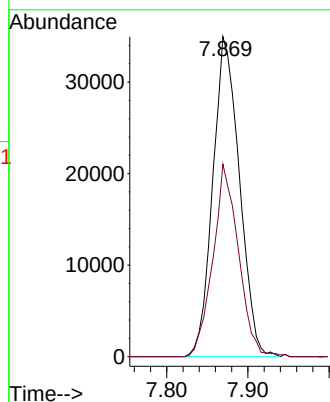
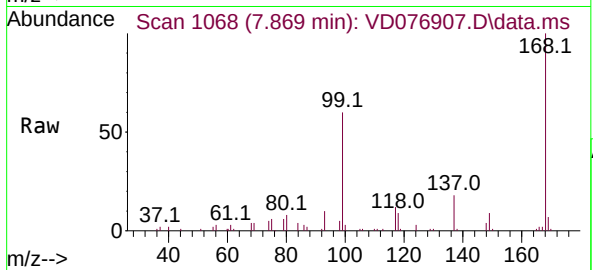




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.869 min Scan# 1069
Delta R.T. -0.006 min
Lab File: VD076907.D
Acq: 02 Aug 2023 19:31

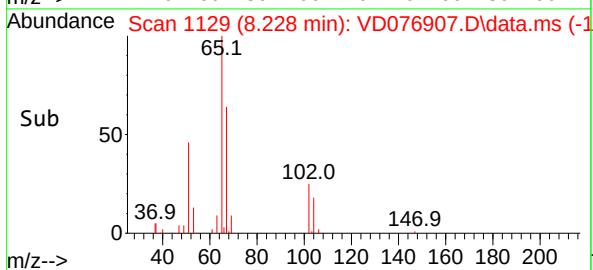
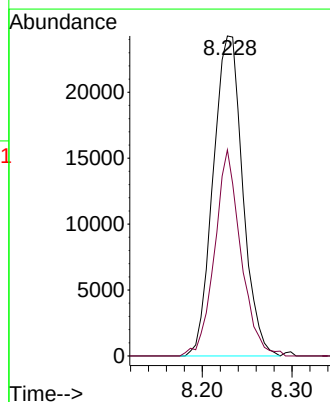
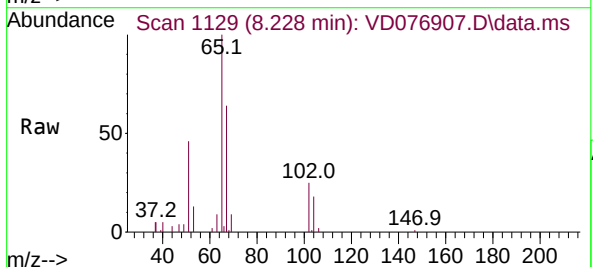
Instrument :
MSVOA_D
ClientSampleId :
COMP-2

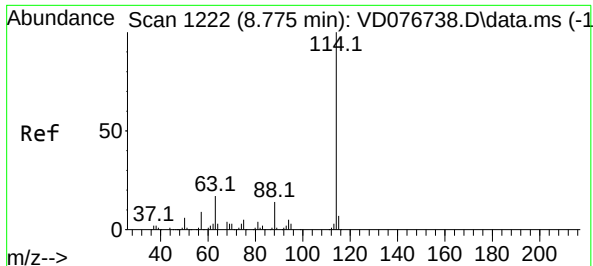
Tgt Ion:168 Resp: 79551
Ion Ratio Lower Upper
168 100
99 60.2 36.7 55.1#



#33
1,2-Dichloroethane-d4
Concen: 70.055 ug/l
RT: 8.228 min Scan# 1129
Delta R.T. -0.000 min
Lab File: VD076907.D
Acq: 02 Aug 2023 19:31

Tgt Ion: 65 Resp: 55508
Ion Ratio Lower Upper
65 100
67 57.2 0.0 115.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 1

Delta R.T. -0.000 min

Lab File: VD076907.D

Acq: 02 Aug 2023 19:31

Instrument :

MSVOA_D

ClientSampleId :

COMP-2

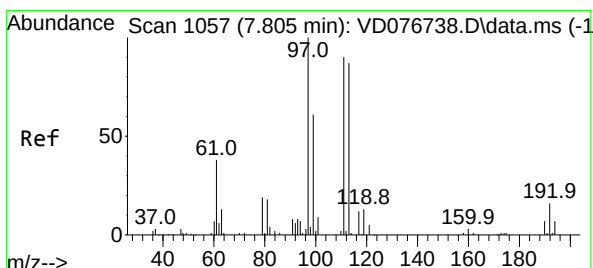
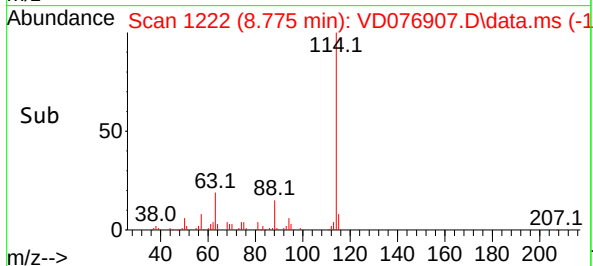
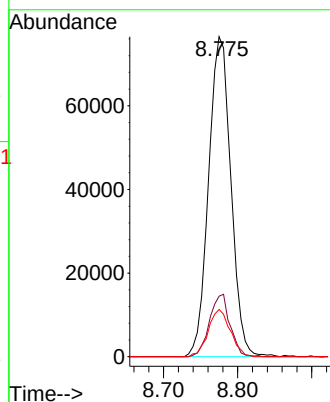
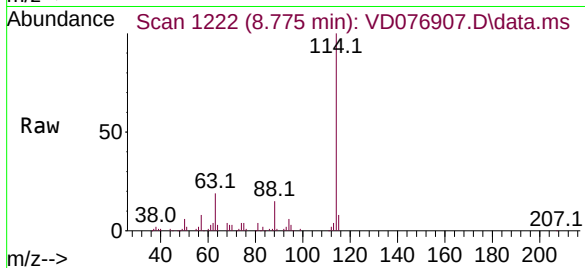
Tgt Ion:114 Resp: 160190

Ion Ratio Lower Upper

114 100

63 18.9 0.0 33.4

88 14.7 0.0 26.2



#35

Dibromofluoromethane

Concen: 57.815 ug/l

RT: 7.810 min Scan# 1058

Delta R.T. 0.005 min

Lab File: VD076907.D

Acq: 02 Aug 2023 19:31

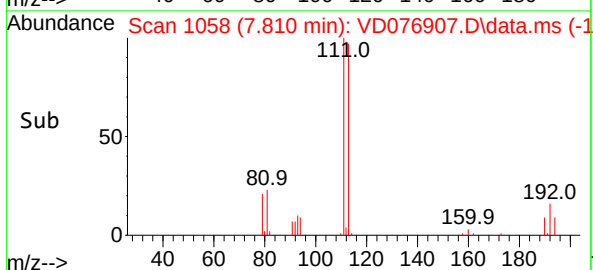
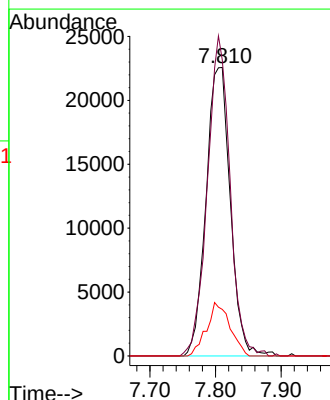
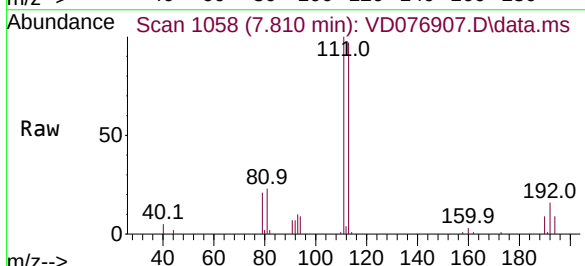
Tgt Ion:113 Resp: 58199

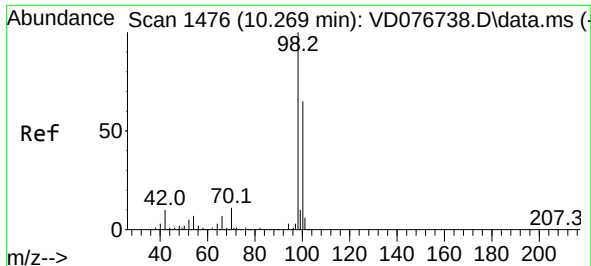
Ion Ratio Lower Upper

113 100

111 103.2 84.7 127.1

192 17.8 16.8 25.2

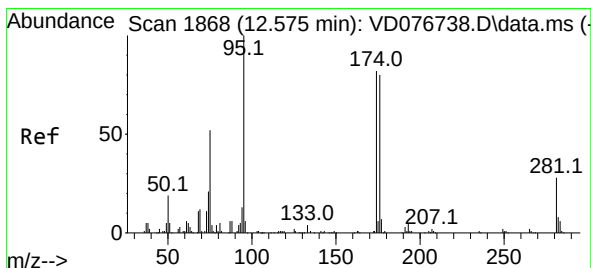
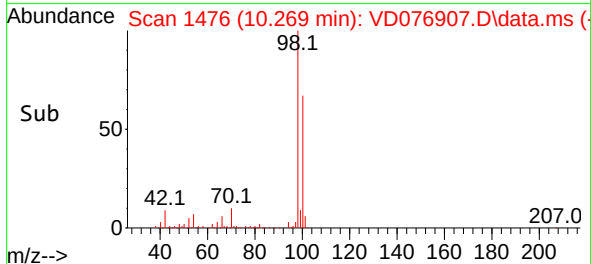
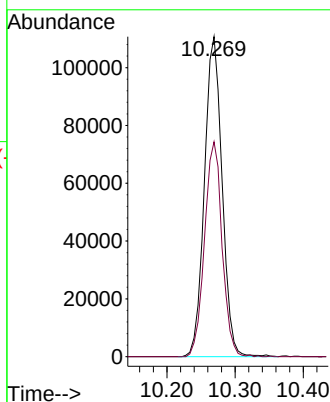
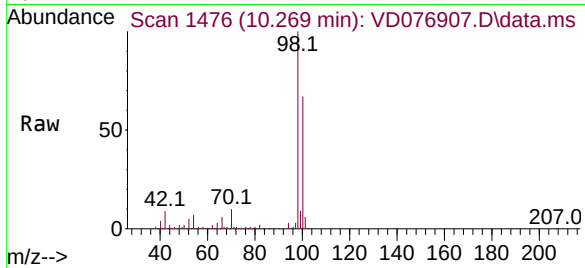




#50
Toluene-d8
Concen: 55.509 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD076907.D
Acq: 02 Aug 2023 19:31

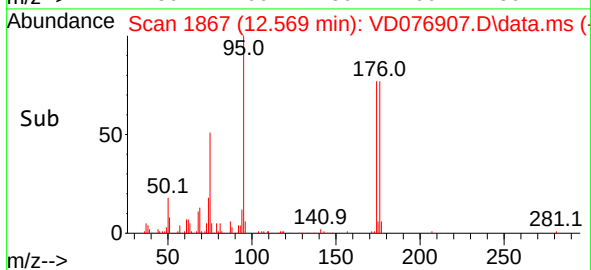
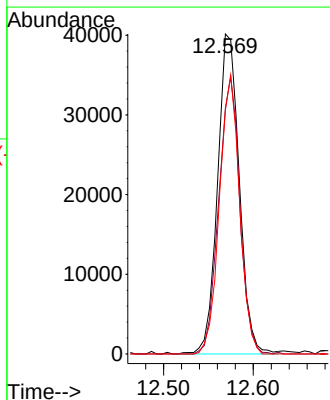
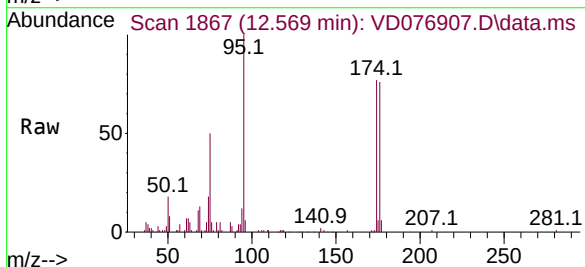
Instrument :
MSVOA_D
ClientSampleId :
COMP-2

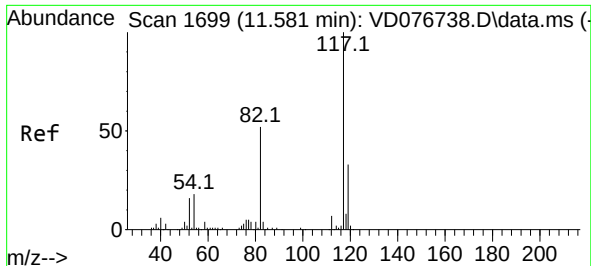
Tgt Ion: 98 Resp: 199896
Ion Ratio Lower Upper
98 100
100 66.6 50.3 75.5



#62
4-Bromofluorobenzene
Concen: 58.000 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. -0.006 min
Lab File: VD076907.D
Acq: 02 Aug 2023 19:31

Tgt Ion: 95 Resp: 67569
Ion Ratio Lower Upper
95 100
174 83.7 0.0 201.8
176 80.6 0.0 191.8

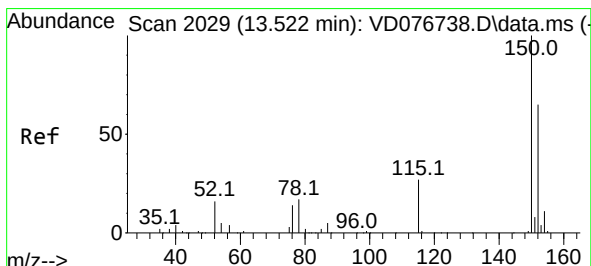
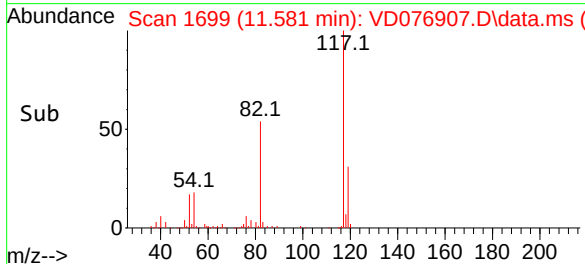
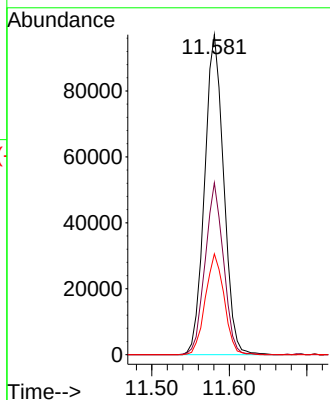
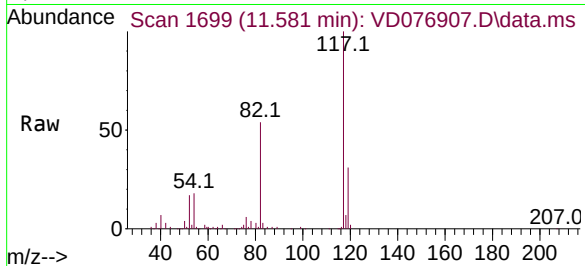




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD076907.D
Acq: 02 Aug 2023 19:31

Instrument :
MSVOA_D
ClientSampleId :
COMP-2

Tgt Ion:117 Resp: 165956
Ion Ratio Lower Upper
117 100
82 53.7 38.3 57.5
119 31.5 25.0 37.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 2028
Delta R.T. -0.006 min
Lab File: VD076907.D
Acq: 02 Aug 2023 19:31

Tgt Ion:152 Resp: 78177
Ion Ratio Lower Upper
152 100
115 55.7 27.1 81.3
150 159.1 0.0 353.6

