

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD041923\
 Data File : VD075750.D
 Acq On : 19 Apr 2023 15:48
 Operator : KP/SY
 Sample : 02270-24
 Misc : 2.10G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-15-19-21-20230412

Quant Time: Apr 20 06:01:05 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D041323S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 13 14:16:29 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	217418	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	420617	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.587	117	376854	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	152960	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	116507	56.455	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	112.900%
35) Dibromofluoromethane	7.805	113	145754	51.520	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	103.040%
50) Toluene-d8	10.269	98	544414	48.054	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	96.100%
62) 4-Bromofluorobenzene	12.575	95	132657	44.053	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	88.100%

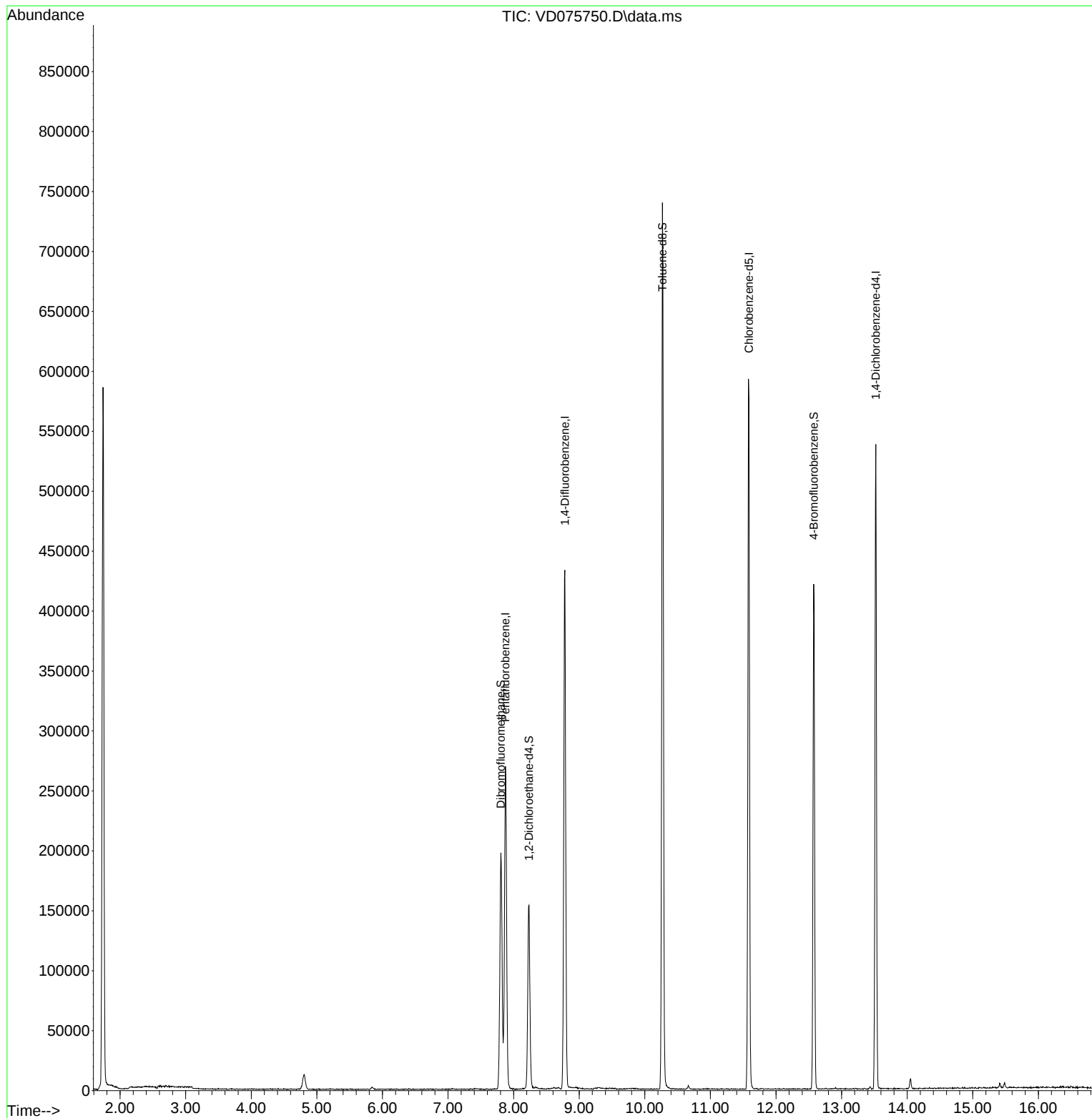
Target Compounds	Qvalue

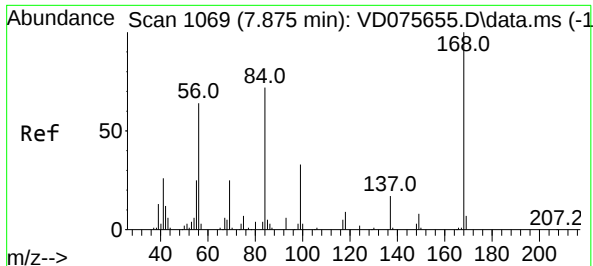
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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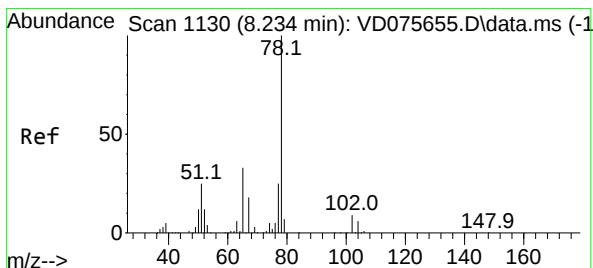
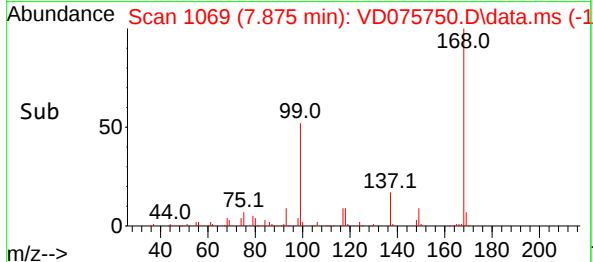
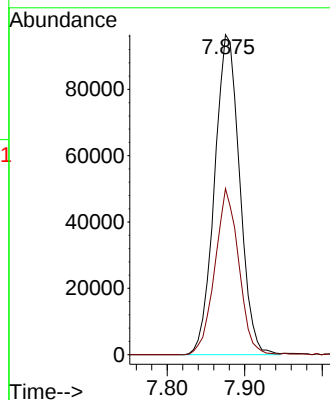
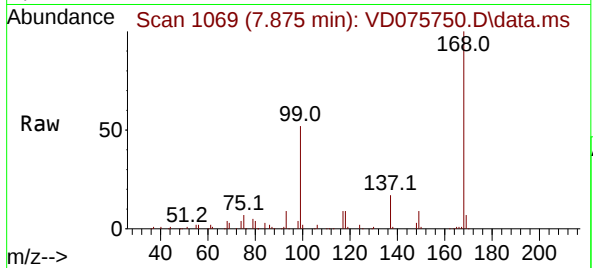




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD075750.D
Acq: 19 Apr 2023 15:48

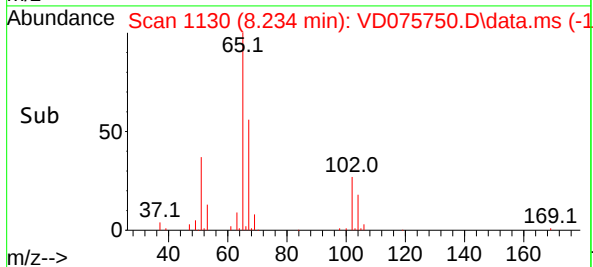
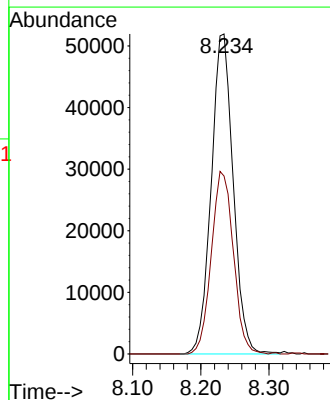
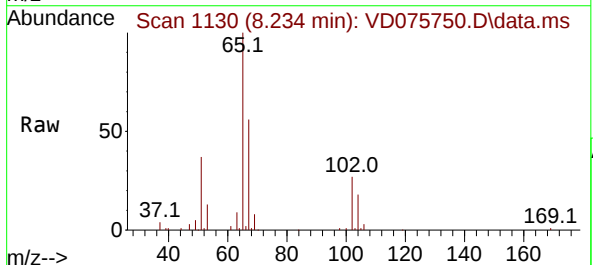
Instrument :
MSVOA_D
ClientSampleId :
SB-15-19-21-20230412

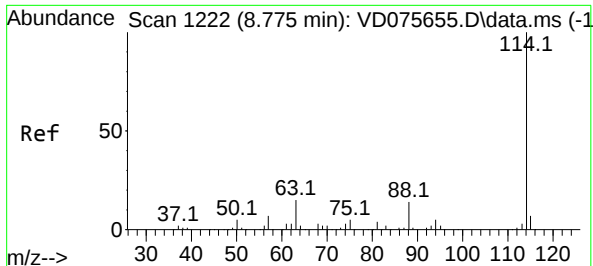
Tgt Ion:168 Resp: 217418
Ion Ratio Lower Upper
168 100
99 51.9 43.8 65.6



#33
1,2-Dichloroethane-d4
Concen: 56.455 ug/l
RT: 8.234 min Scan# 1130
Delta R.T. -0.000 min
Lab File: VD075750.D
Acq: 19 Apr 2023 15:48

Tgt Ion: 65 Resp: 116507
Ion Ratio Lower Upper
65 100
67 57.3 0.0 102.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.781 min Scan# 11

Delta R.T. 0.006 min

Lab File: VD075750.D

Acq: 19 Apr 2023 15:48

Instrument :

MSVOA_D

ClientSampleId :

SB-15-19-21-20230412

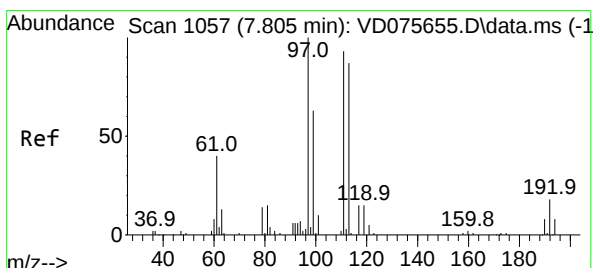
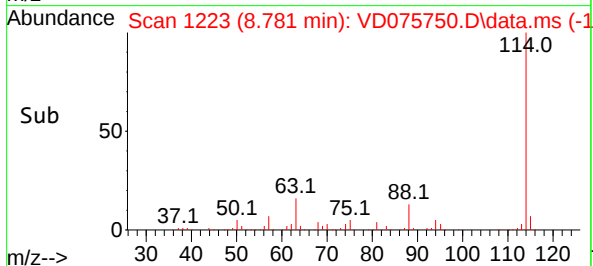
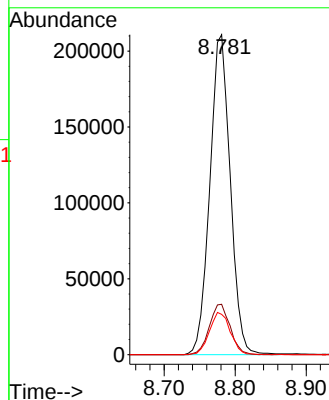
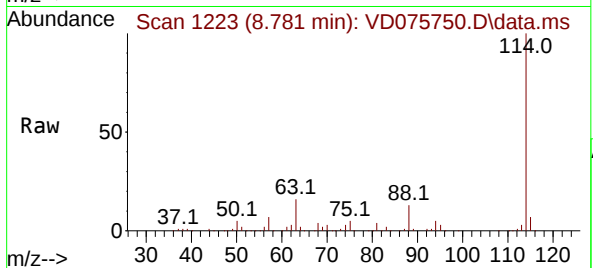
Tgt Ion:114 Resp: 420617

Ion Ratio Lower Upper

114 100

63 15.7 0.0 41.6

88 12.6 0.0 30.6



#35

Dibromofluoromethane

Concen: 51.520 ug/l

RT: 7.805 min Scan# 1057

Delta R.T. -0.000 min

Lab File: VD075750.D

Acq: 19 Apr 2023 15:48

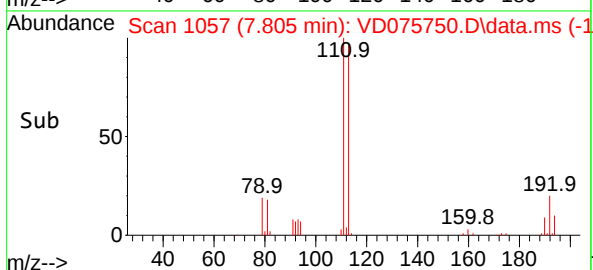
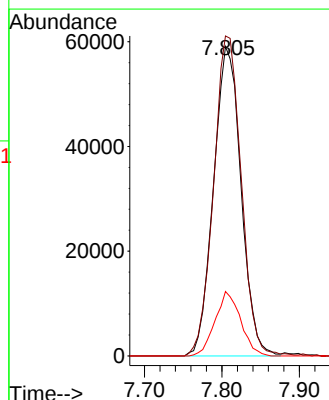
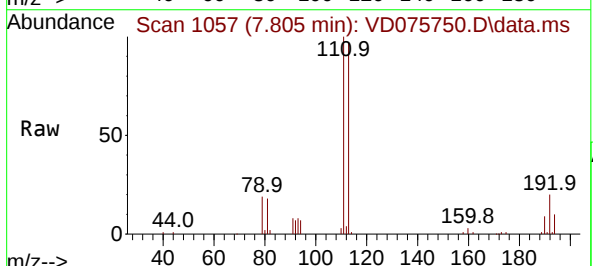
Tgt Ion:113 Resp: 145754

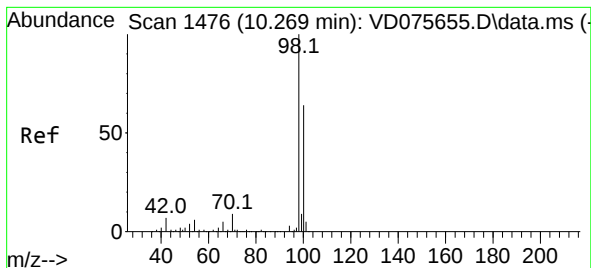
Ion Ratio Lower Upper

113 100

111 103.5 81.4 122.0

192 19.4 15.2 22.8





#50

Toluene-d8

Concen: 48.054 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. 0.000 min

Lab File: VD075750.D

Acq: 19 Apr 2023 15:48

Instrument :

MSVOA_D

ClientSampleId :

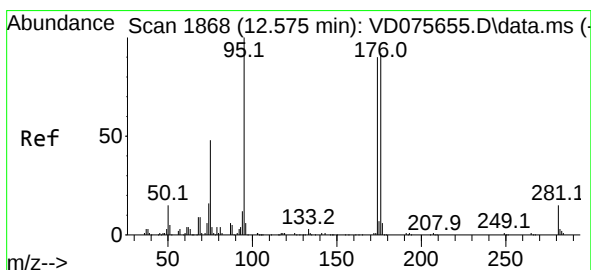
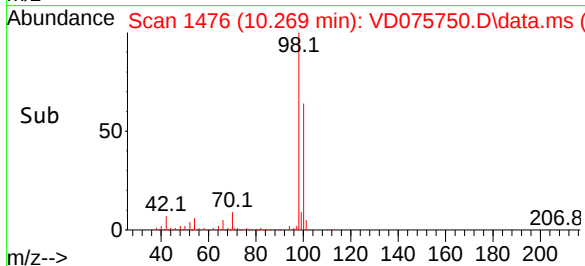
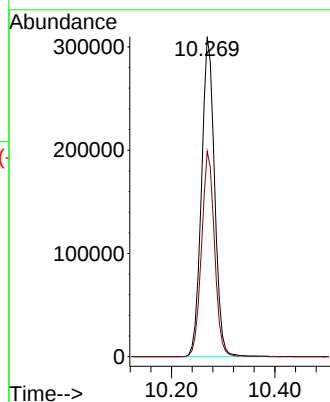
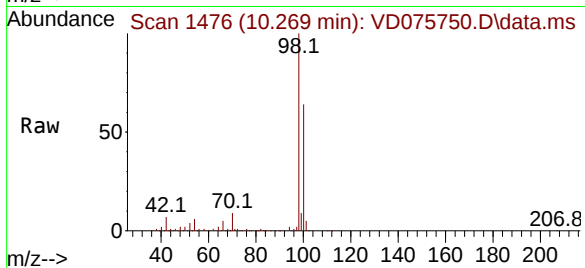
SB-15-19-21-20230412

Tgt Ion: 98 Resp: 544414

Ion Ratio Lower Upper

98 100

100 63.6 52.1 78.1



#62

4-Bromofluorobenzene

Concen: 44.053 ug/l

RT: 12.575 min Scan# 1868

Delta R.T. -0.000 min

Lab File: VD075750.D

Acq: 19 Apr 2023 15:48

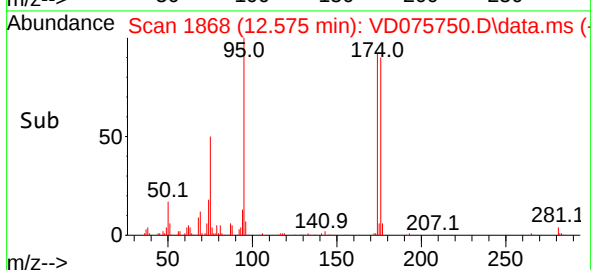
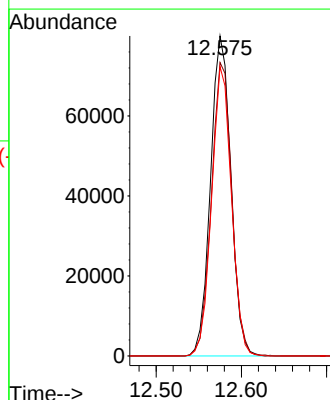
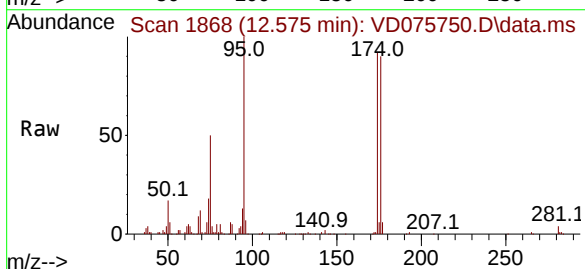
Tgt Ion: 95 Resp: 132657

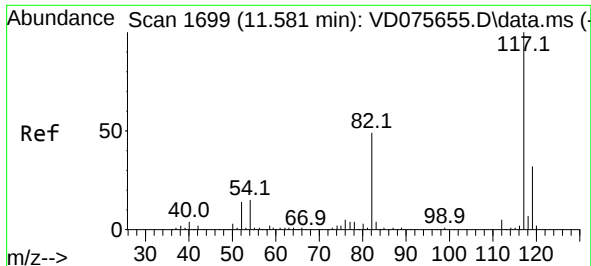
Ion Ratio Lower Upper

95 100

174 92.1 0.0 164.0

176 88.1 0.0 156.8

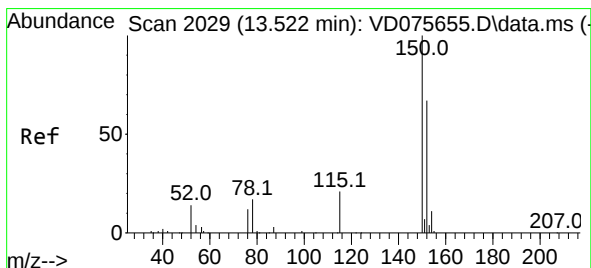
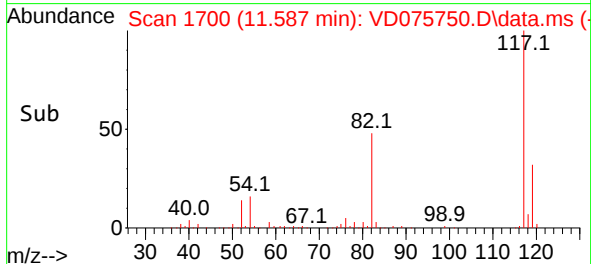
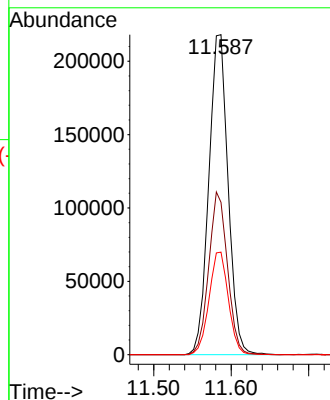
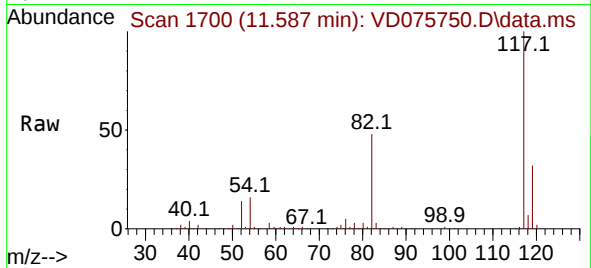




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.587 min Scan# 117
Delta R.T. 0.006 min
Lab File: VD075750.D
Acq: 19 Apr 2023 15:48

Instrument :
MSVOA_D
ClientSampleId :
SB-15-19-21-20230412

Tgt Ion:117 Resp: 376854
Ion Ratio Lower Upper
117 100
82 47.6 44.0 66.0
119 32.1 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: VD075750.D
Acq: 19 Apr 2023 15:48

Tgt Ion:152 Resp: 152960
Ion Ratio Lower Upper
152 100
115 55.6 30.1 90.3
150 159.1 0.0 364.8

