

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD041823\
 Data File : VD075726.D
 Acq On : 18 Apr 2023 14:50
 Operator : KP/SY
 Sample : 02270-17
 Misc : 4.02G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-19-19-21-20230411

Quant Time: Apr 19 01:23:45 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)

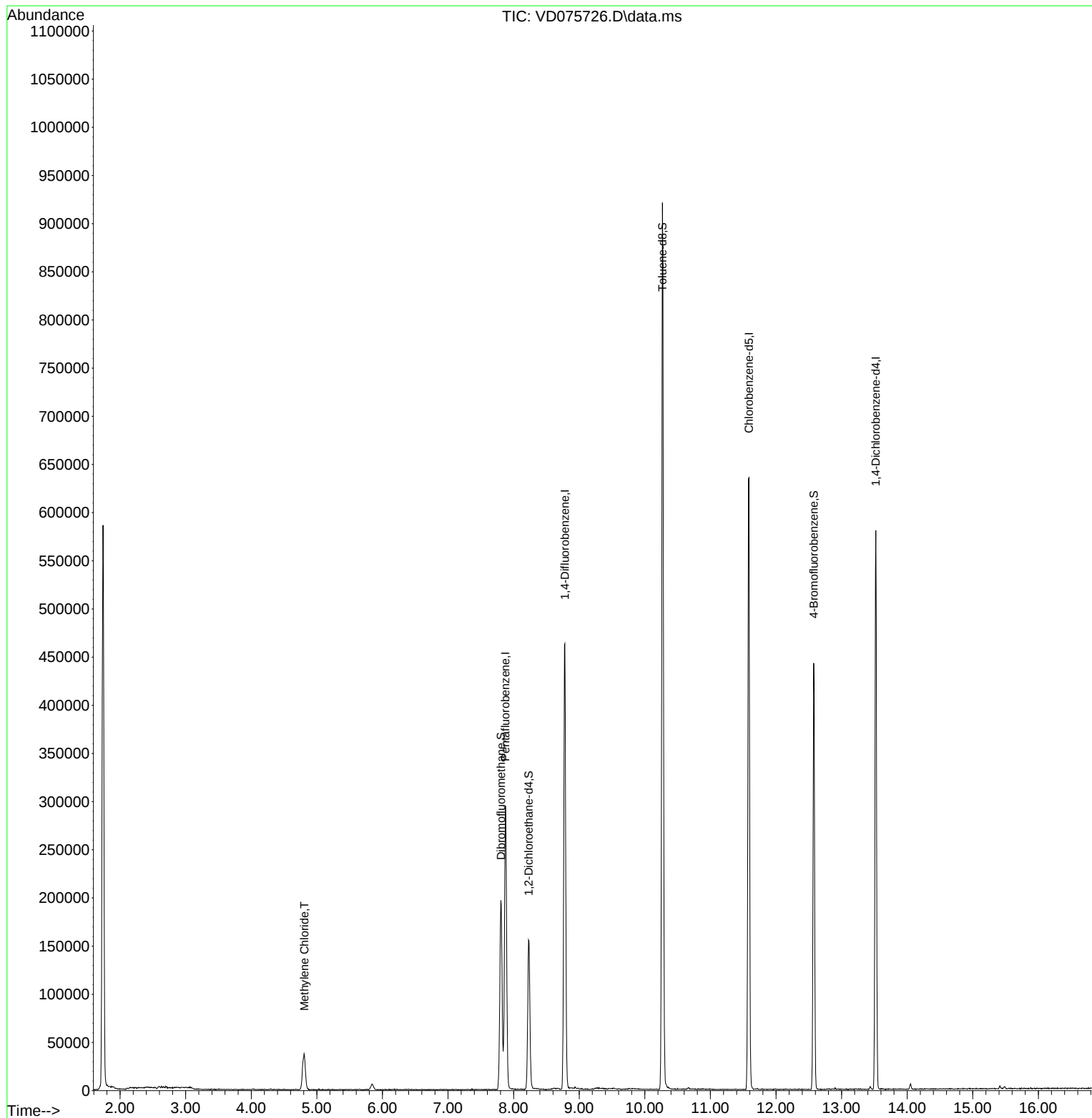
Internal Standards						
1) Pentafluorobenzene	7.875	168	241227	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	459647	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.587	117	412925	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	171018	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	120076	52.442	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	104.880%
35) Dibromofluoromethane	7.811	113	149032	48.206	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	96.420%
50) Toluene-d8	10.269	98	685273	55.351	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	110.700%
62) 4-Bromofluorobenzene	12.575	95	138419	42.064	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	84.120%
Target Compounds						
20) Methylene Chloride	4.811	84	32987	6.117	ug/l	Qvalue # 68

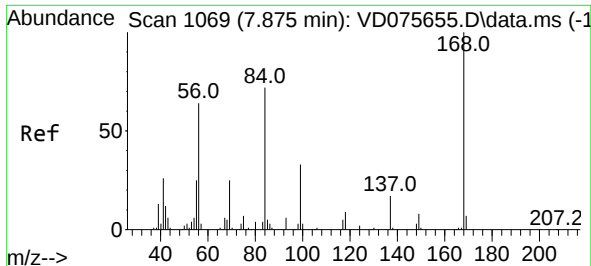
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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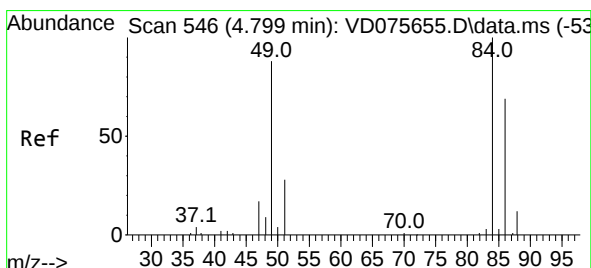
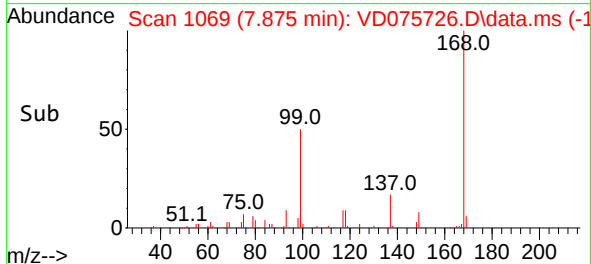
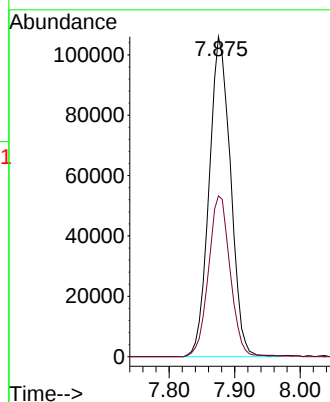
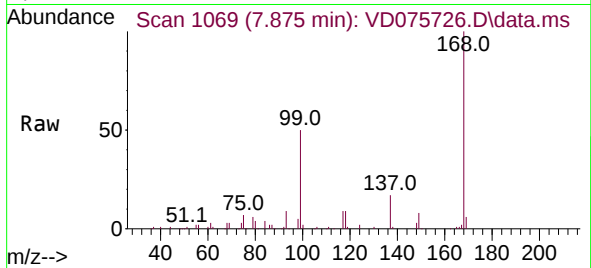




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD075726.D
Acq: 18 Apr 2023 14:50

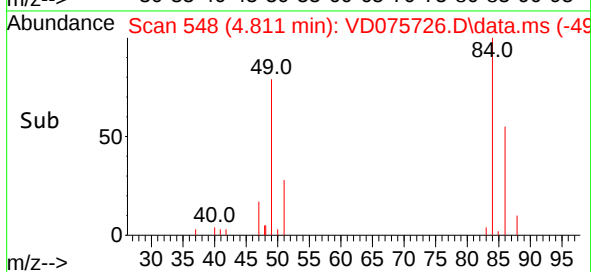
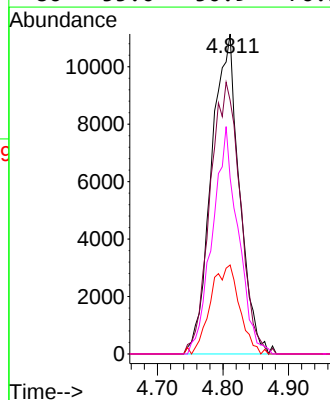
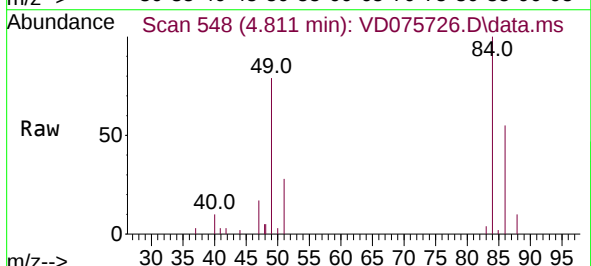
Instrument :
MSVOA_D
ClientSampleId :
SB-19-19-21-20230411

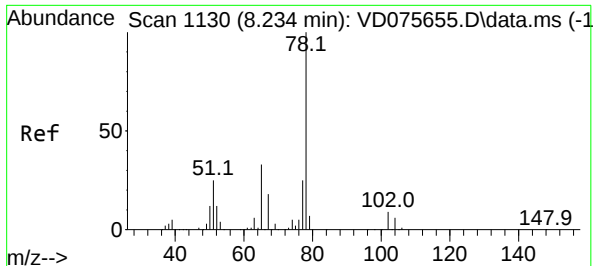
Tgt Ion:168 Resp: 241227
Ion Ratio Lower Upper
168 100
99 50.2 43.8 65.6



#20
Methylene Chloride
Concen: 6.117 ug/l
RT: 4.811 min Scan# 548
Delta R.T. 0.012 min
Lab File: VD075726.D
Acq: 18 Apr 2023 14:50

Tgt Ion: 84 Resp: 32987
Ion Ratio Lower Upper
84 100
49 79.2 106.4 159.6#
51 27.8 32.4 48.6#
86 55.0 50.9 76.3





#33

1,2-Dichloroethane-d4

Concen: 52.442 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. -0.006 min

Lab File: VD075726.D

Acq: 18 Apr 2023 14:50

Instrument :

MSVOA_D

ClientSampleId :

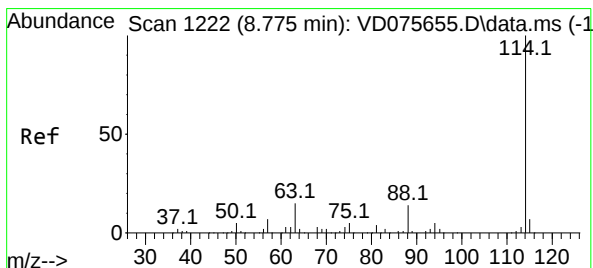
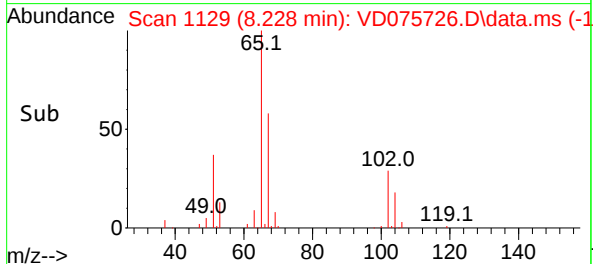
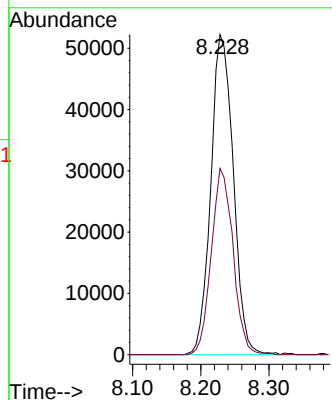
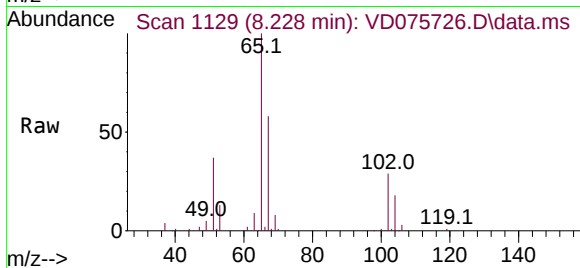
SB-19-19-21-20230411

Tgt Ion: 65 Resp: 120076

Ion Ratio Lower Upper

65 100

67 56.3 0.0 102.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.781 min Scan# 1223

Delta R.T. 0.006 min

Lab File: VD075726.D

Acq: 18 Apr 2023 14:50

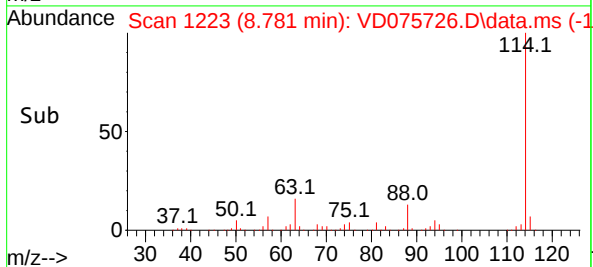
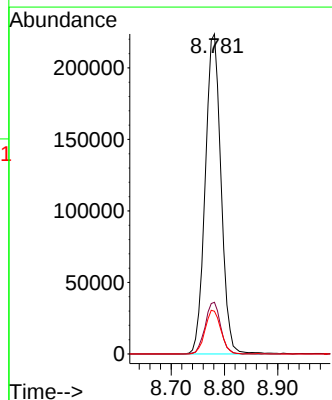
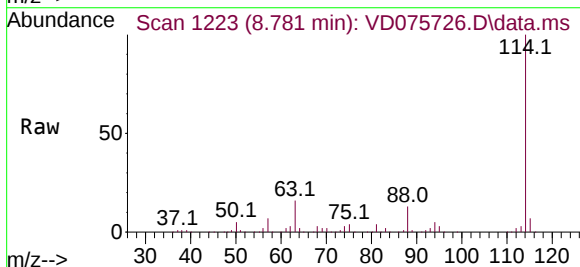
Tgt Ion: 114 Resp: 459647

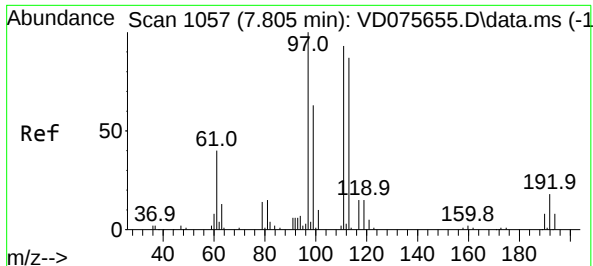
Ion Ratio Lower Upper

114 100

63 16.1 0.0 41.6

88 13.4 0.0 30.6





#35

Dibromofluoromethane

Concen: 48.206 ug/l

RT: 7.811 min Scan# 1058

Delta R.T. 0.006 min

Lab File: VD075726.D

Acq: 18 Apr 2023 14:50

Instrument :

MSVOA_D

ClientSampleId :

SB-19-19-21-20230411

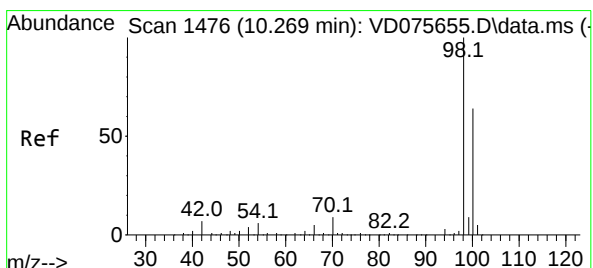
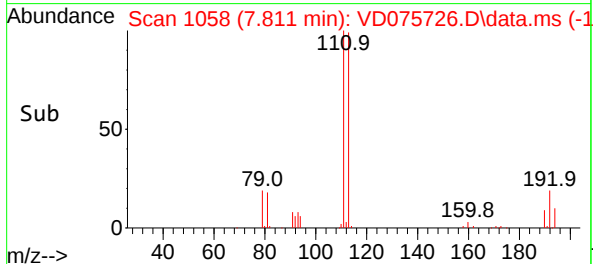
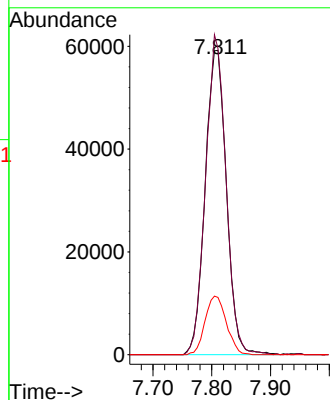
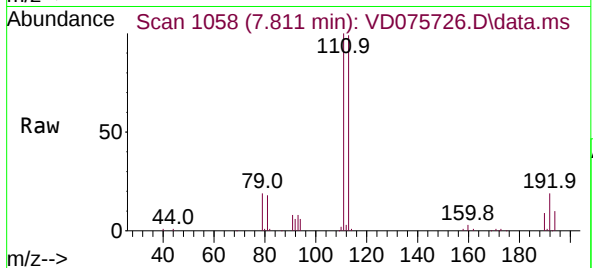
Tgt Ion:113 Resp: 149032

Ion Ratio Lower Upper

113 100

111 100.6 81.4 122.0

192 19.2 15.2 22.8



#50

Toluene-d8

Concen: 55.351 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. 0.000 min

Lab File: VD075726.D

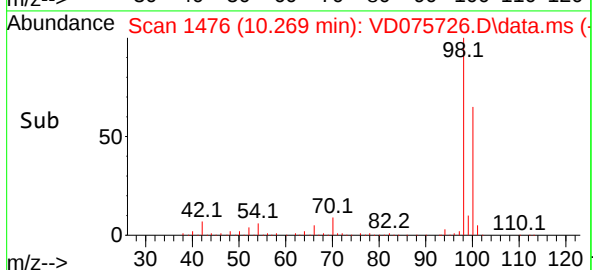
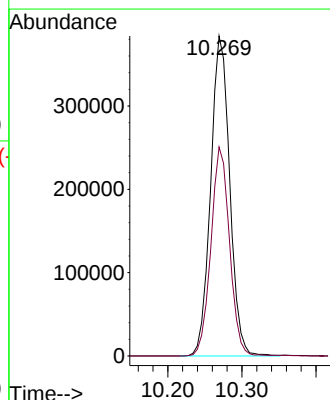
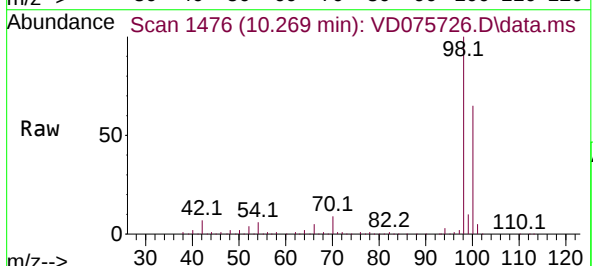
Acq: 18 Apr 2023 14:50

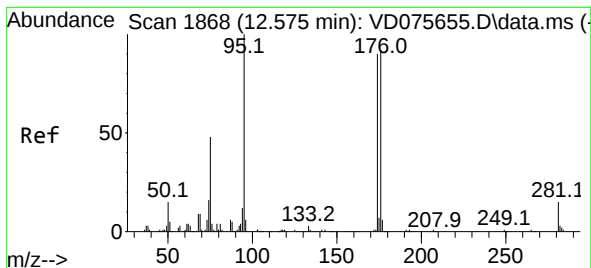
Tgt Ion: 98 Resp: 685273

Ion Ratio Lower Upper

98 100

100 63.9 52.1 78.1

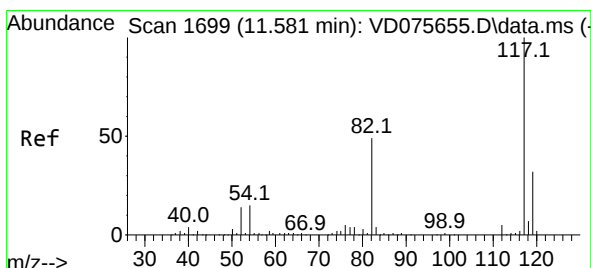
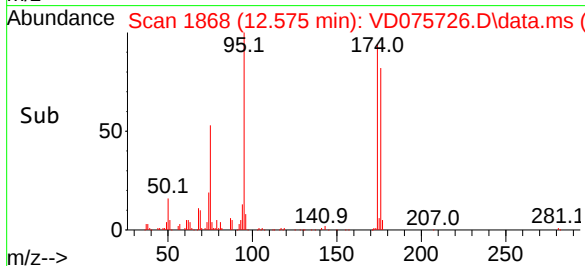
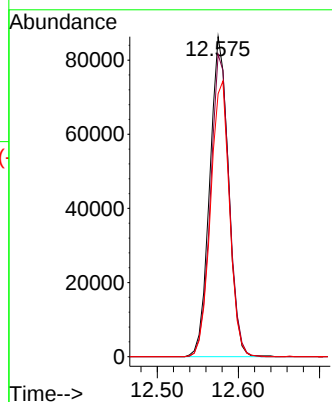
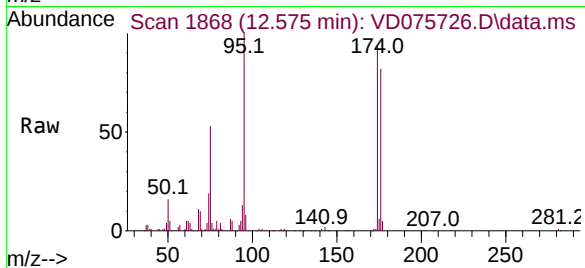




#62
4-Bromofluorobenzene
Concen: 42.064 ug/l
RT: 12.575 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD075726.D
Acq: 18 Apr 2023 14:50

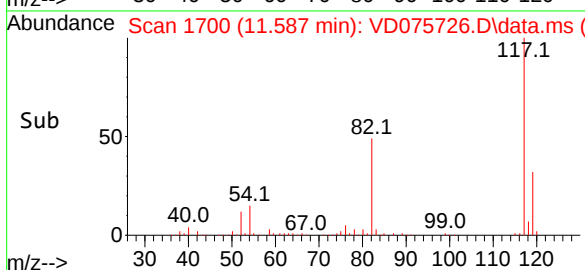
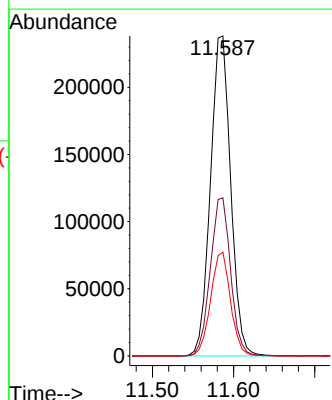
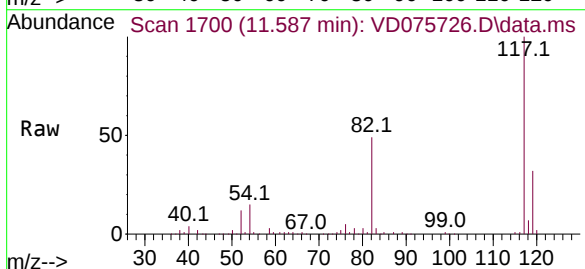
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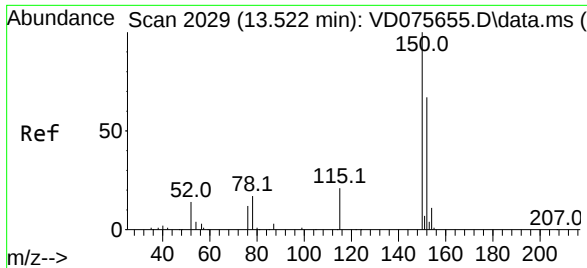
Tgt Ion: 95 Resp: 138419
Ion Ratio Lower Upper
95 100
174 94.2 0.0 164.0
176 87.0 0.0 156.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.587 min Scan# 1700
Delta R.T. 0.006 min
Lab File: VD075726.D
Acq: 18 Apr 2023 14:50

Tgt Ion: 117 Resp: 412925
Ion Ratio Lower Upper
117 100
82 49.4 44.0 66.0
119 32.5 25.1 37.7





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.522 min Scan# 20

Delta R.T. -0.000 min

Lab File: VD075726.D

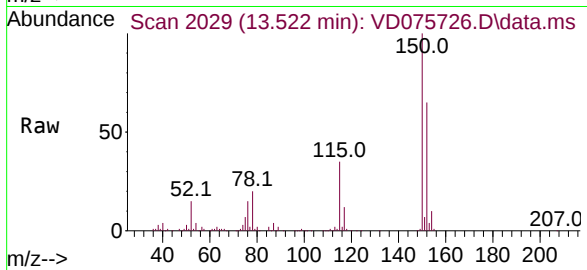
Acq: 18 Apr 2023 14:50

Instrument :

MSVOA_D

ClientSampleId :

SB-19-19-21-20230411



Tgt Ion:152 Resp: 171018

Ion Ratio Lower Upper

152 100

115 54.0 30.1 90.3

150 155.2 0.0 364.8

