

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD041723\
 Data File : VD075711.D
 Acq On : 17 Apr 2023 20:04
 Operator : KP/SY
 Sample : 02270-13
 Misc : 3.71G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-24-0-2-20230411

Quant Time: Apr 18 01:19:37 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)

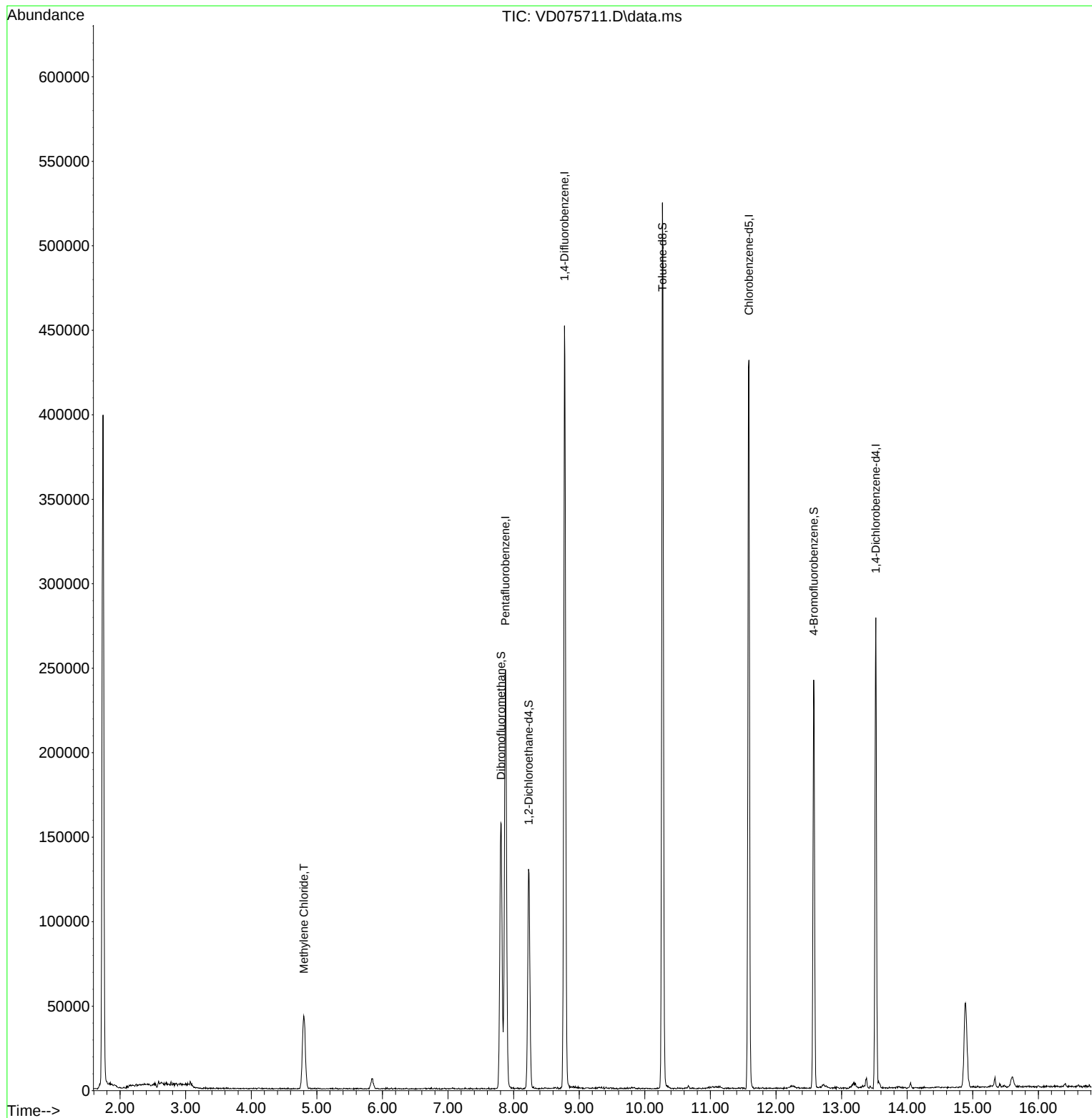
Internal Standards						
1) Pentafluorobenzene	7.875	168	201403	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	441976	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.587	117	278751	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	80644	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	100506	52.574	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	105.140%
35) Dibromofluoromethane	7.811	113	121300	40.804	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	81.600%
50) Toluene-d8	10.269	98	394165	33.110	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	66.220%
62) 4-Bromofluorobenzene	12.575	95	78693	24.870	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	49.740%
Target Compounds						
20) Methylene Chloride	4.805	84	40107	11.227	ug/l	Qvalue # 75

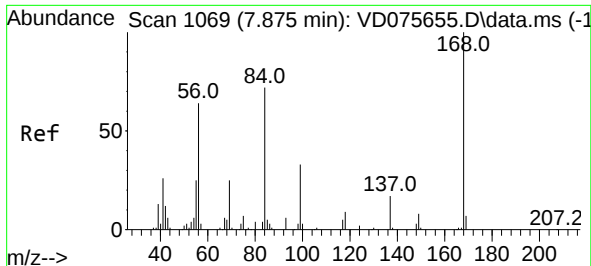
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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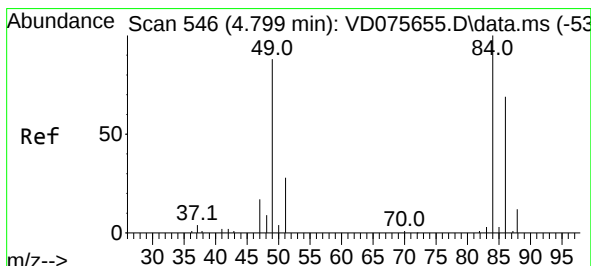
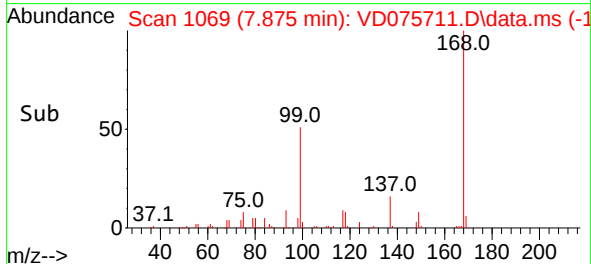
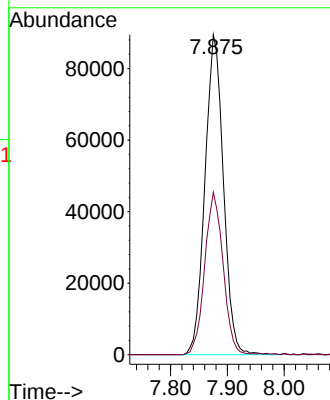
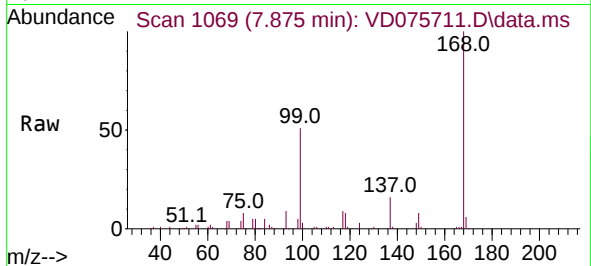




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD075711.D
Acq: 17 Apr 2023 20:04

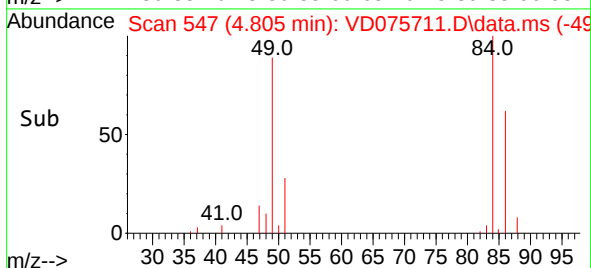
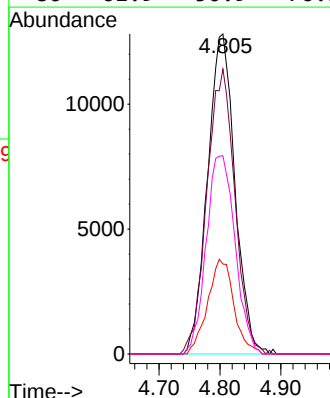
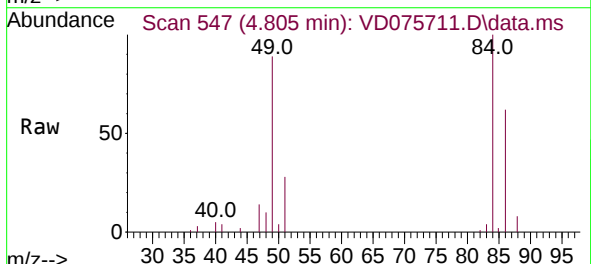
Instrument :
MSVOA_D
ClientSampleId :
SB-24-0-2-20230411

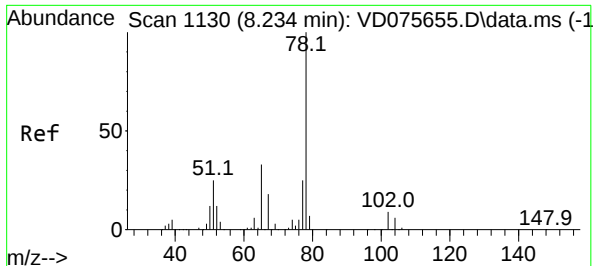
Tgt Ion:168 Resp: 201403
Ion Ratio Lower Upper
168 100
99 50.7 43.8 65.6



#20
Methylene Chloride
Concen: 11.227 ug/l
RT: 4.805 min Scan# 547
Delta R.T. 0.006 min
Lab File: VD075711.D
Acq: 17 Apr 2023 20:04

Tgt Ion: 84 Resp: 40107
Ion Ratio Lower Upper
84 100
49 89.0 106.4 159.6#
51 28.1 32.4 48.6#
86 61.9 50.9 76.3





#33

1,2-Dichloroethane-d4

Concen: 52.574 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. -0.006 min

Lab File: VD075711.D

Acq: 17 Apr 2023 20:04

Instrument :

MSVOA_D

ClientSampleId :

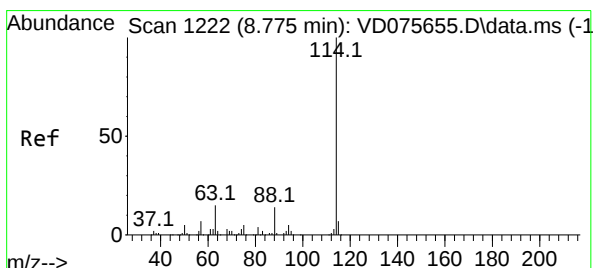
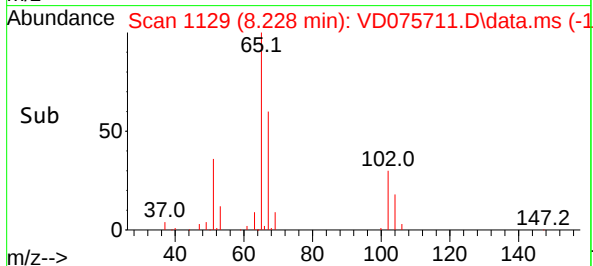
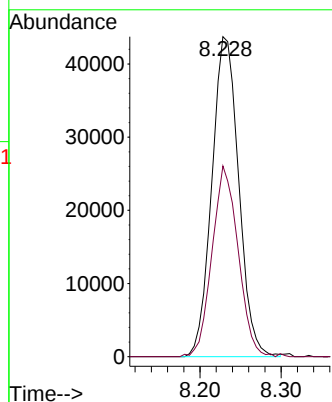
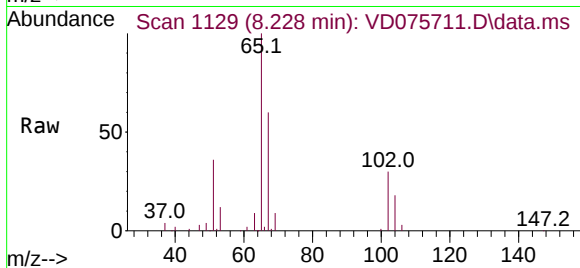
SB-24-0-2-20230411

Tgt Ion: 65 Resp: 100506

Ion Ratio Lower Upper

65 100

67 57.7 0.0 102.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 1222

Delta R.T. 0.000 min

Lab File: VD075711.D

Acq: 17 Apr 2023 20:04

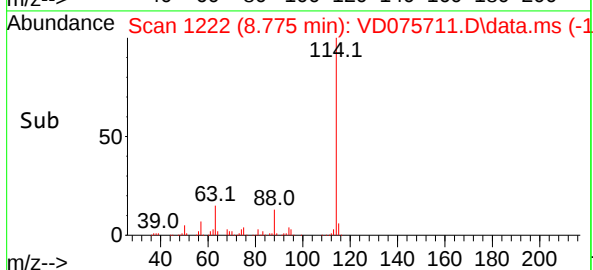
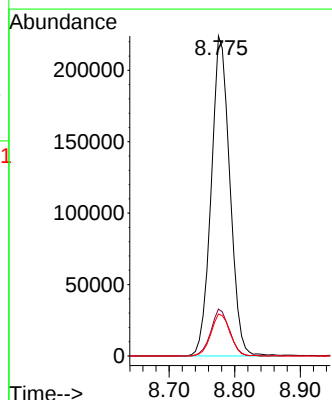
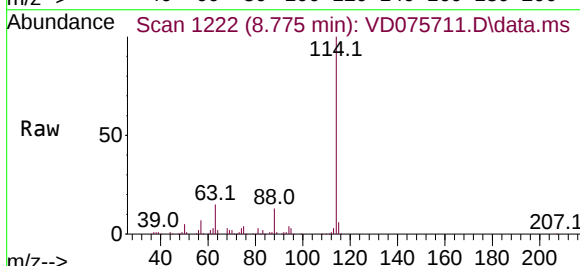
Tgt Ion: 114 Resp: 441976

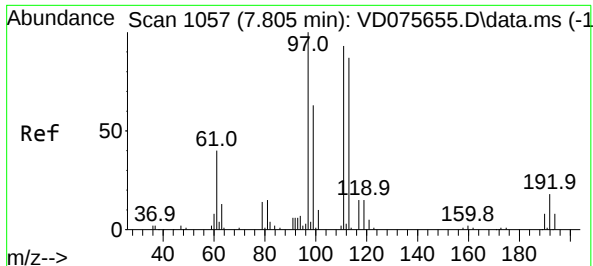
Ion Ratio Lower Upper

114 100

63 14.6 0.0 41.6

88 13.1 0.0 30.6





#35

Dibromofluoromethane

Concen: 40.804 ug/l

RT: 7.811 min Scan# 1058

Delta R.T. 0.006 min

Lab File: VD075711.D

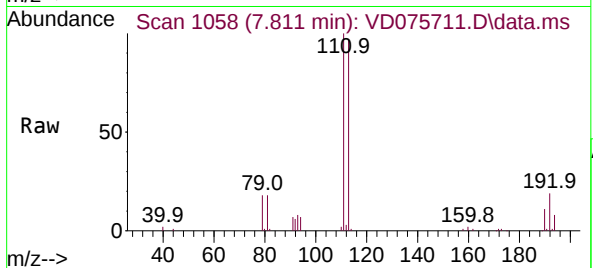
Acq: 17 Apr 2023 20:04

Instrument :

MSVOA_D

ClientSampleId :

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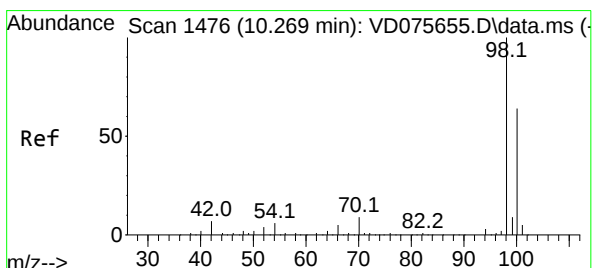
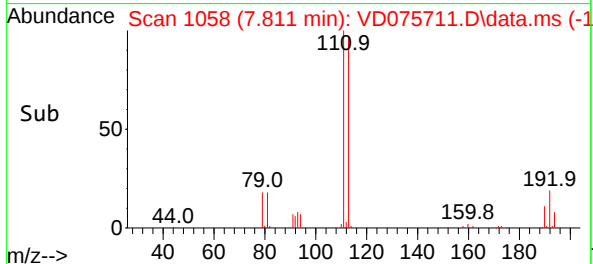
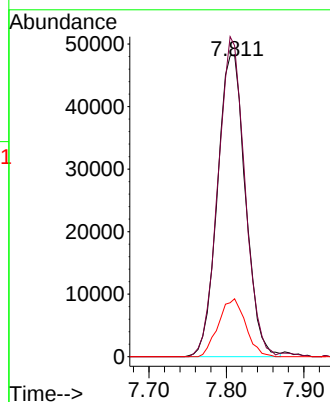
Tgt Ion:113 Resp: 121300

Ion Ratio Lower Upper

113 100

111 101.7 81.4 122.0

192 18.6 15.2 22.8



#50

Toluene-d8

Concen: 33.110 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. 0.000 min

Lab File: VD075711.D

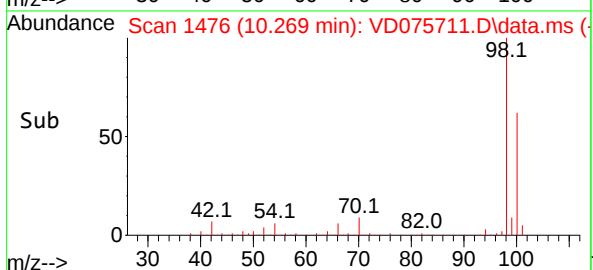
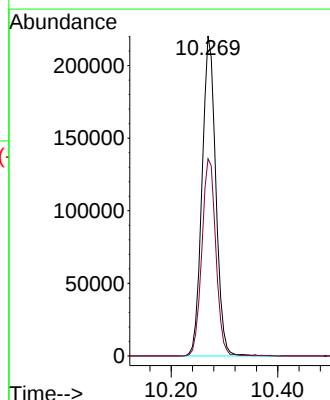
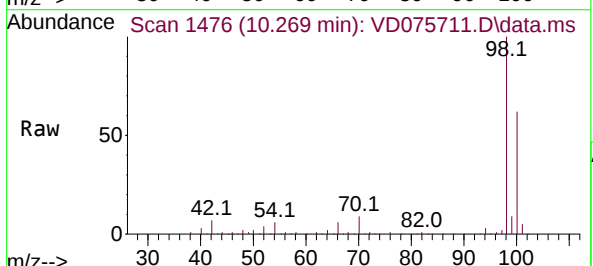
Acq: 17 Apr 2023 20:04

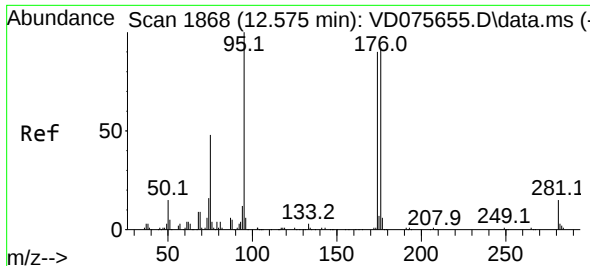
Tgt Ion: 98 Resp: 394165

Ion Ratio Lower Upper

98 100

100 62.7 52.1 78.1

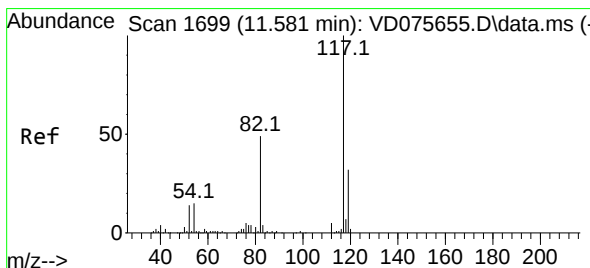
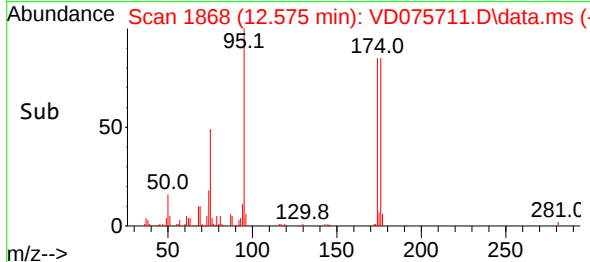
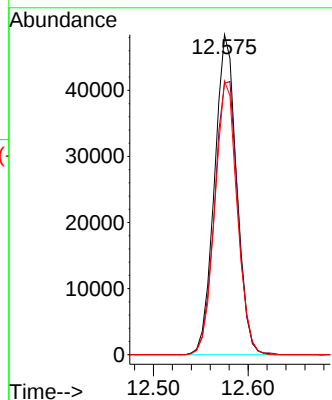
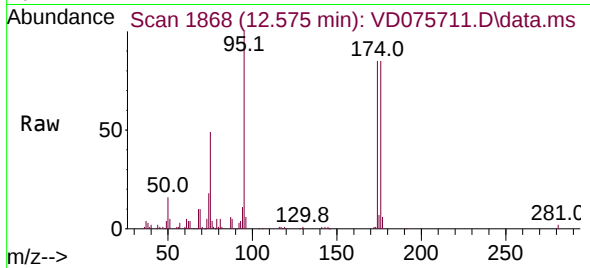




#62
4-Bromofluorobenzene
Concen: 24.870 ug/l
RT: 12.575 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD075711.D
Acq: 17 Apr 2023 20:04

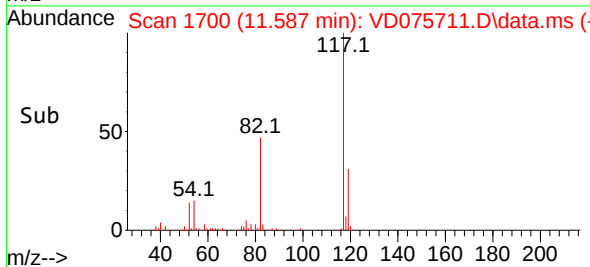
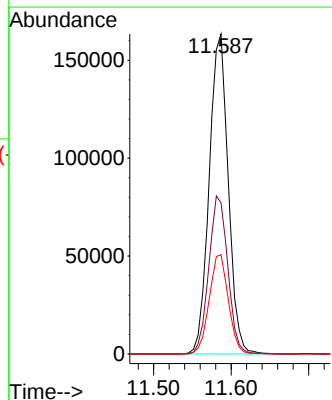
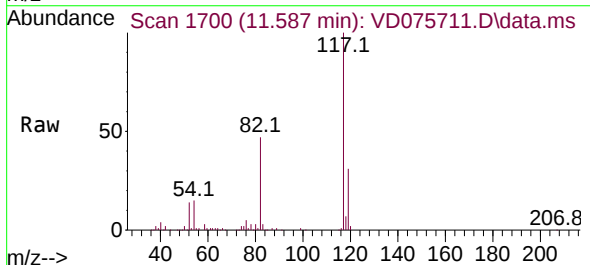
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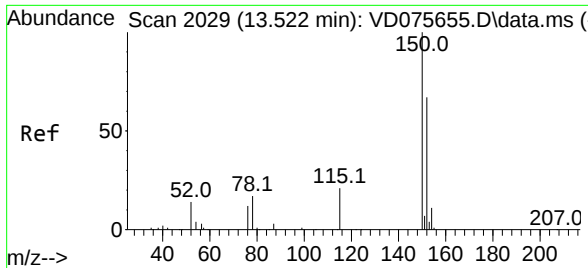
Tgt Ion: 95 Resp: 78693
Ion Ratio Lower Upper
95 100
174 89.7 0.0 164.0
176 86.0 0.0 156.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.587 min Scan# 1700
Delta R.T. 0.006 min
Lab File: VD075711.D
Acq: 17 Apr 2023 20:04

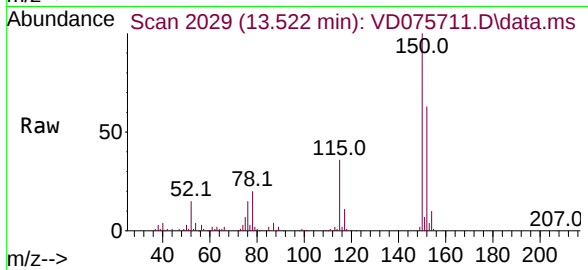
Tgt Ion: 117 Resp: 278751
Ion Ratio Lower Upper
117 100
82 47.2 44.0 66.0
119 31.1 25.1 37.7





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.522 min Scan# 20
 Delta R.T. -0.000 min
 Lab File: VD075711.D
 Acq: 17 Apr 2023 20:04

Instrument :
 MSVOA_D
 ClientSampleId :
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Tgt Ion	Ratio	Lower	Upper
152	100		
115	53.8	30.1	90.3
150	156.7	0.0	364.8

