

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD071723\
 Data File : VD076752.D
 Acq On : 17 Jul 2023 14:04
 Operator : KP/SY
 Sample : 03645-02
 Misc : 6.74G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-04-(1-5)

Quant Time: Jul 18 01:23:12 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)

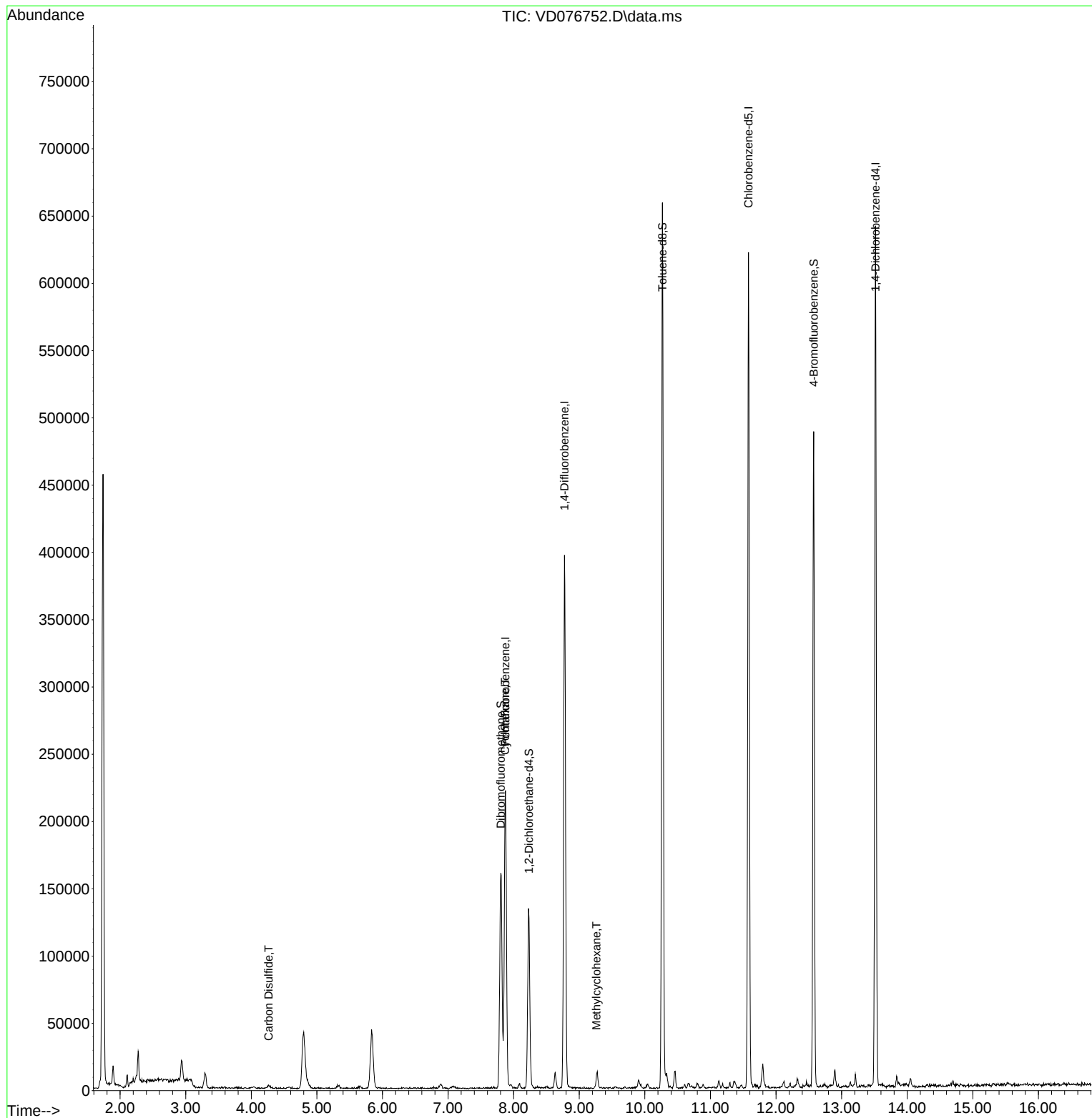
Internal Standards						
1) Pentafluorobenzene	7.875	168	171628	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	365685	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	369301	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	170608	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	99163	58.008	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 116.020%	
35) Dibromofluoromethane	7.804	113	123536	53.758	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 107.520%	
50) Toluene-d8	10.269	98	458263	55.744	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 111.480%	
62) 4-Bromofluorobenzene	12.575	95	150770	56.693	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 113.380%	
Target Compounds						
						Qvalue
17) Carbon Disulfide	4.263	76	4904	1.238	ug/l #	76
31) Cyclohexane	7.869	56	5600	2.226	ug/l #	23
39) Methylcyclohexane	9.263	83	4939	1.424	ug/l #	74

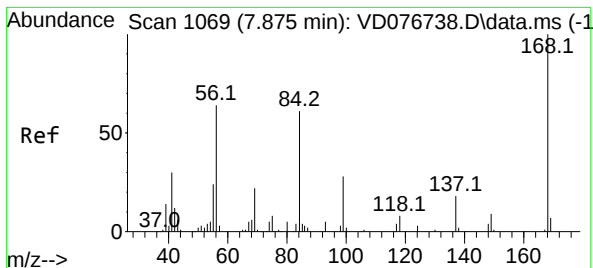
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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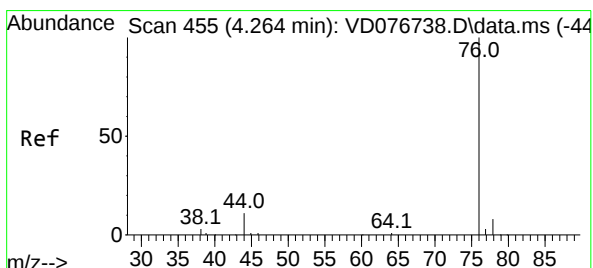
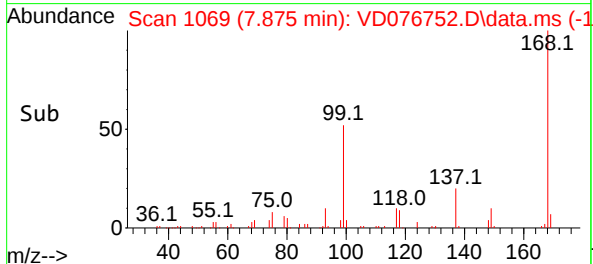
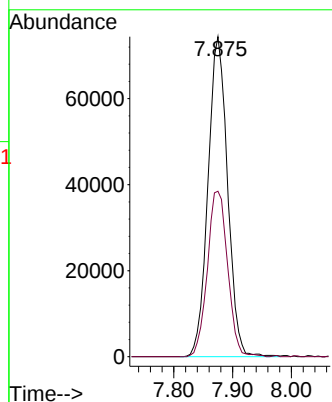
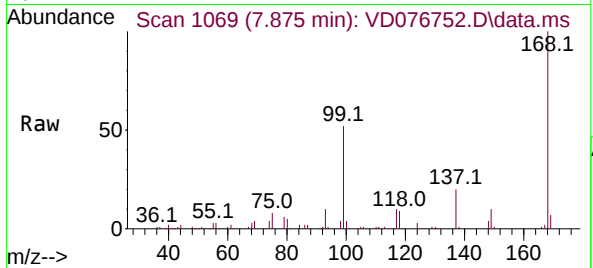




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD076752.D
Acq: 17 Jul 2023 14:04

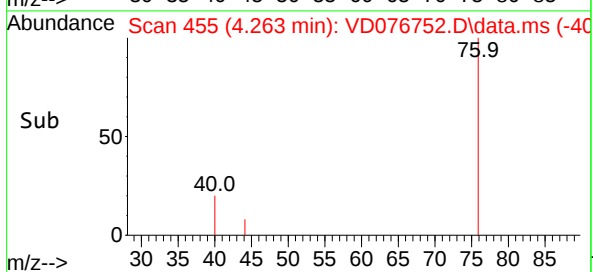
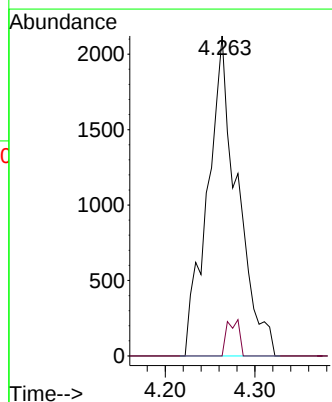
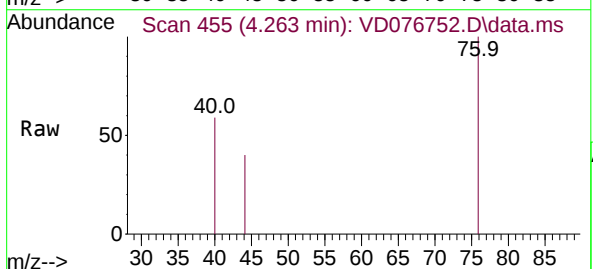
Instrument :
MSVOA_D
ClientSampleId :
SB-04-(1-5)

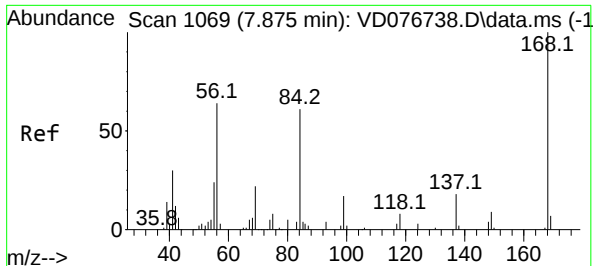
Tgt Ion:168 Resp: 171628
Ion Ratio Lower Upper
168 100
99 51.7 36.7 55.1



#17
Carbon Disulfide
Concen: 1.238 ug/l
RT: 4.263 min Scan# 455
Delta R.T. -0.001 min
Lab File: VD076752.D
Acq: 17 Jul 2023 14:04

Tgt Ion: 76 Resp: 4904
Ion Ratio Lower Upper
76 100
78 0.0 6.8 10.2#

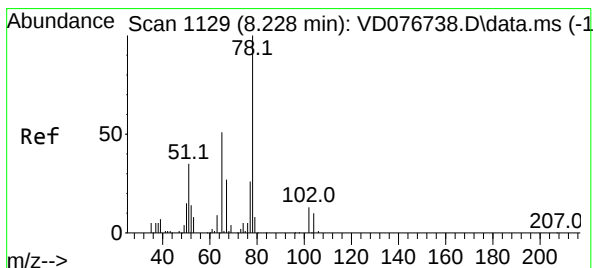
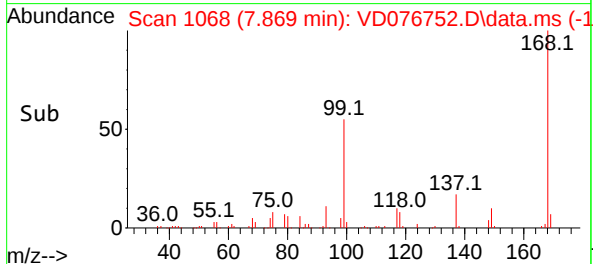
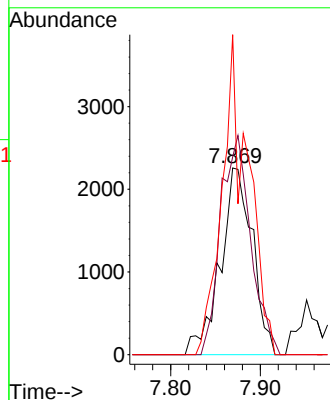
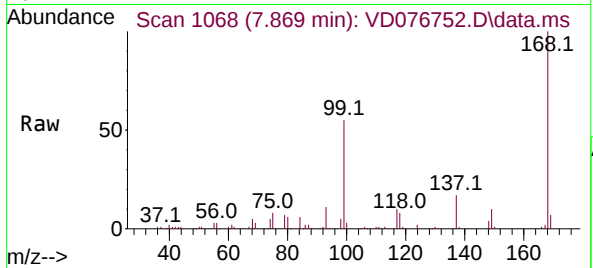




#31
Cyclohexane
Concen: 2.226 ug/l
RT: 7.869 min Scan# 1130
Delta R.T. -0.006 min
Lab File: VD076752.D
Acq: 17 Jul 2023 14:04

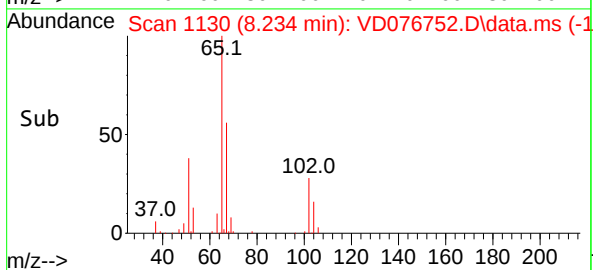
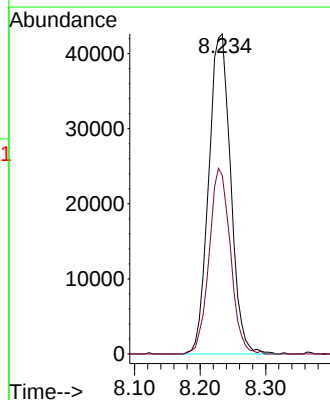
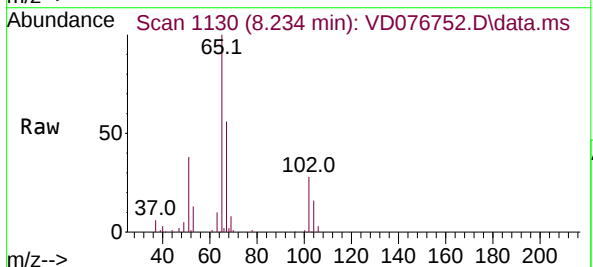
Instrument :
MSVOA_D
ClientSampleId :
SB-04-(1-5)

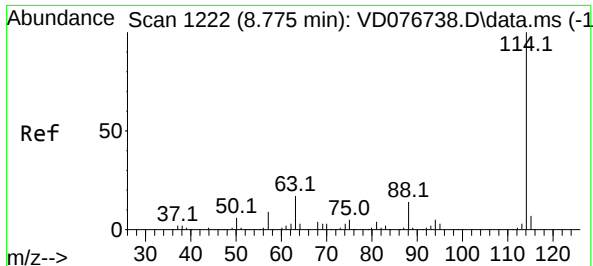
Tgt Ion: 56 Resp: 5600
Ion Ratio Lower Upper
56 100
69 105.9 28.6 43.0#
84 171.4 84.8 127.2#



#33
1,2-Dichloroethane-d4
Concen: 58.008 ug/l
RT: 8.234 min Scan# 1130
Delta R.T. 0.006 min
Lab File: VD076752.D
Acq: 17 Jul 2023 14:04

Tgt Ion: 65 Resp: 99163
Ion Ratio Lower Upper
65 100
67 56.2 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: VD076752.D

Acq: 17 Jul 2023 14:04

Instrument :

MSVOA_D

ClientSampleId :

SB-04-(1-5)

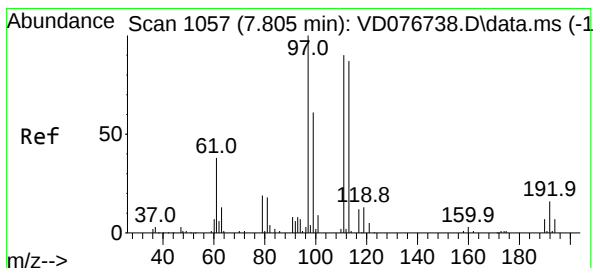
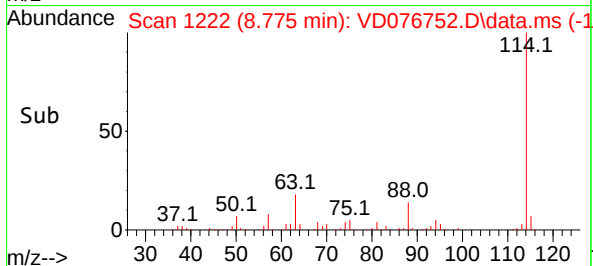
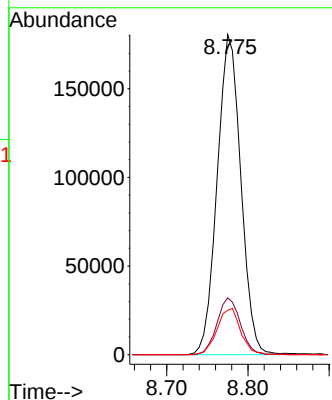
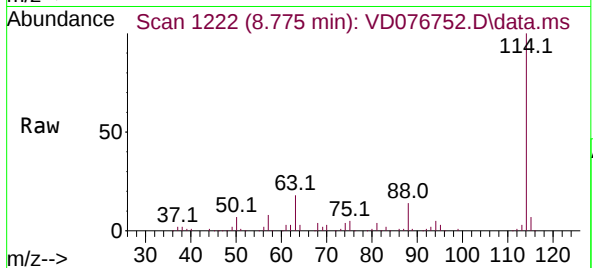
Tgt Ion:114 Resp: 365685

Ion Ratio Lower Upper

114 100

63 17.8 0.0 33.4

88 13.9 0.0 26.2



#35

Dibromofluoromethane

Concen: 53.758 ug/l

RT: 7.804 min Scan# 1057

Delta R.T. -0.001 min

Lab File: VD076752.D

Acq: 17 Jul 2023 14:04

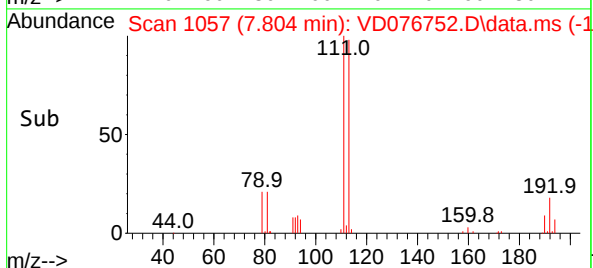
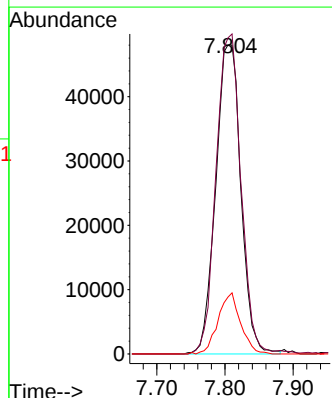
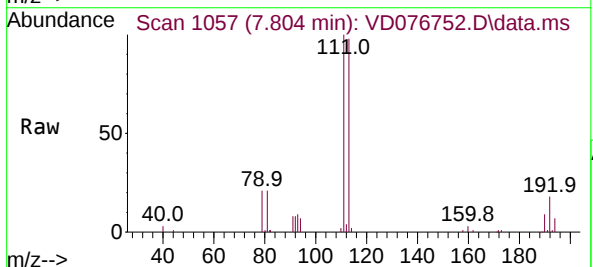
Tgt Ion:113 Resp: 123536

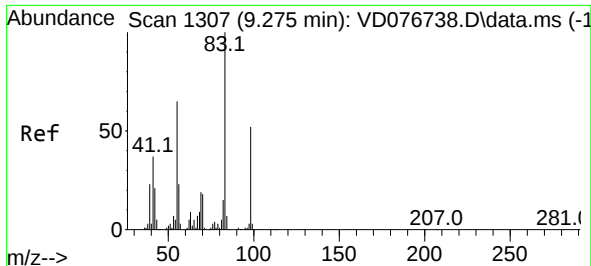
Ion Ratio Lower Upper

113 100

111 102.2 84.7 127.1

192 17.7 16.8 25.2





#39

Methylcyclohexane

Concen: 1.424 ug/l

RT: 9.263 min Scan# 1

Delta R.T. -0.012 min

Lab File: VD076752.D

Acq: 17 Jul 2023 14:04

Instrument :

MSVOA_D

ClientSampleId :

SB-04-(1-5)

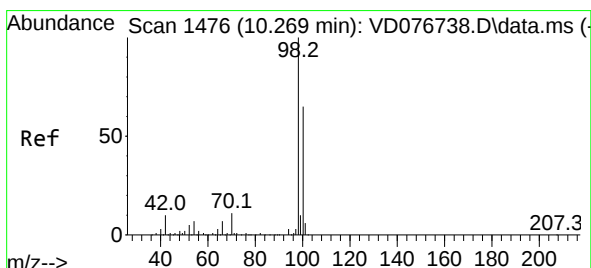
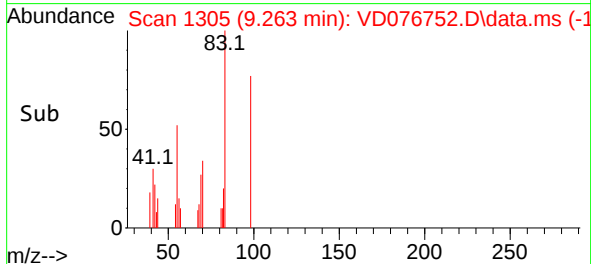
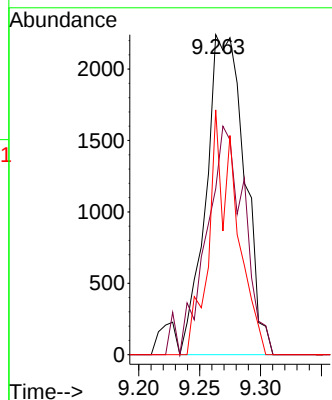
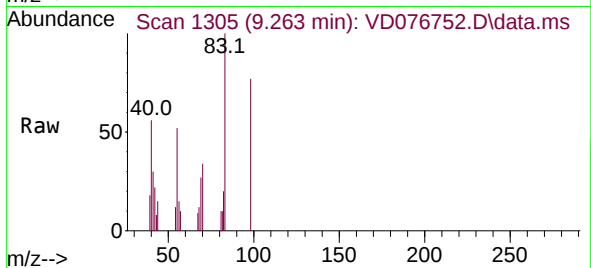
Tgt Ion: 83 Resp: 4939

Ion Ratio Lower Upper

83 100

55 51.9 49.4 74.0

98 76.5 38.4 57.6#



#50

Toluene-d8

Concen: 55.744 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. -0.000 min

Lab File: VD076752.D

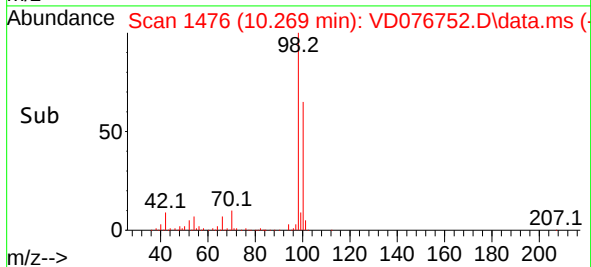
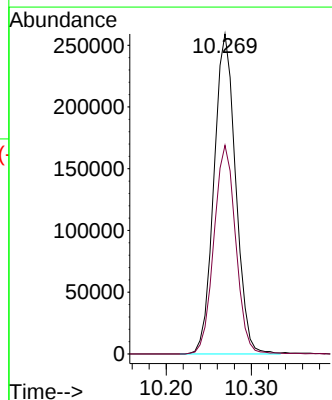
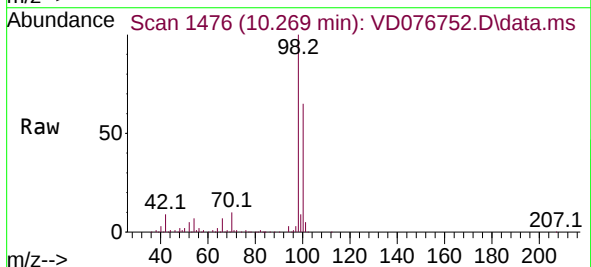
Acq: 17 Jul 2023 14:04

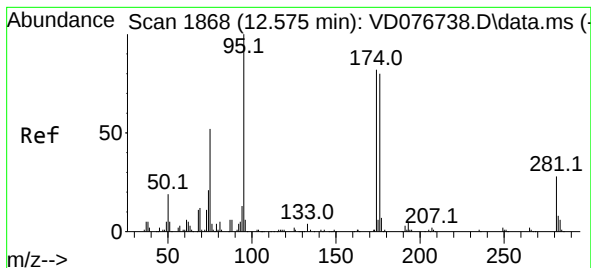
Tgt Ion: 98 Resp: 458263

Ion Ratio Lower Upper

98 100

100 65.4 50.3 75.5

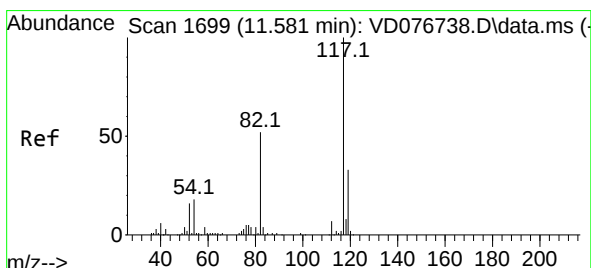
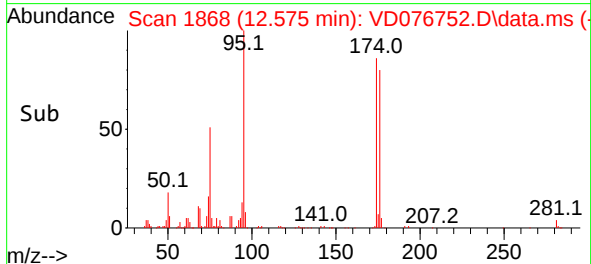
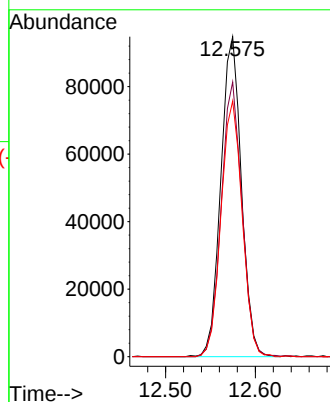
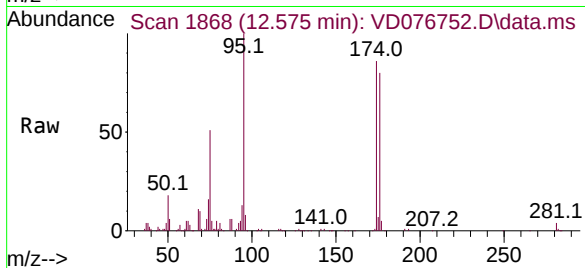




#62
4-Bromofluorobenzene
Concen: 56.693 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD076752.D
Acq: 17 Jul 2023 14:04

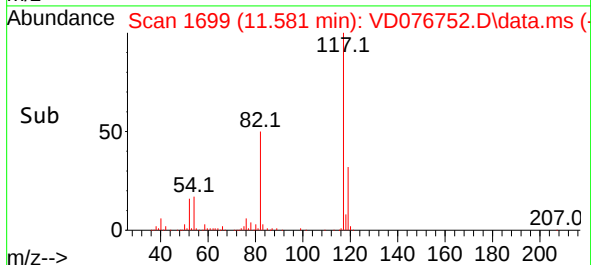
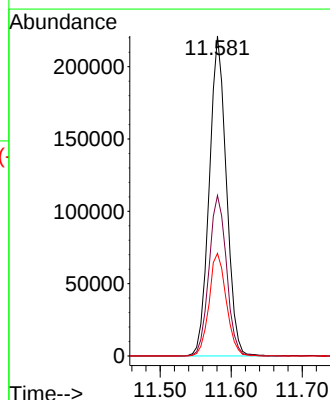
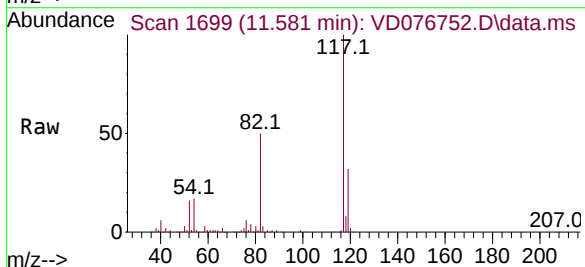
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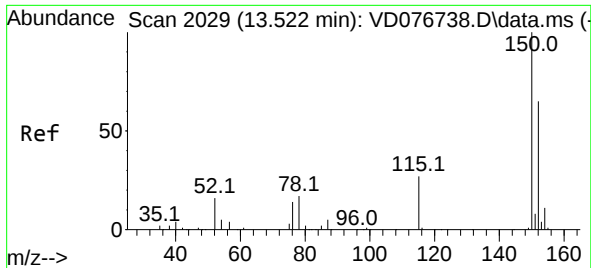
Tgt Ion: 95 Resp: 150770
Ion Ratio Lower Upper
95 100
174 86.4 0.0 201.8
176 82.1 0.0 191.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. -0.000 min
Lab File: VD076752.D
Acq: 17 Jul 2023 14:04

Tgt Ion: 117 Resp: 369301
Ion Ratio Lower Upper
117 100
82 50.1 38.3 57.5
119 32.1 25.0 37.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.516 min Scan# 20

Delta R.T. -0.006 min

Lab File: VD076752.D

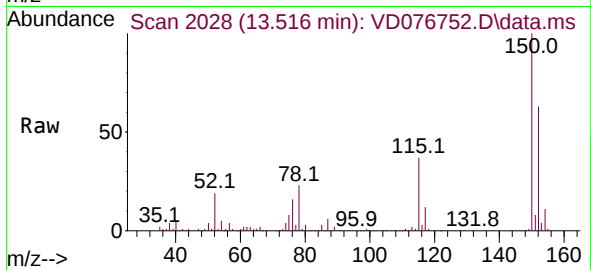
Acq: 17 Jul 2023 14:04

Instrument :

MSVOA_D

ClientSampleId :

SB-04-(1-5)



Tgt Ion:152 Resp: 170608

Ion Ratio Lower Upper

152 100

115 58.1 27.1 81.3

150 157.7 0.0 353.6

