

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD080723\
 Data File : VD076945.D
 Acq On : 07 Aug 2023 21:49
 Operator : KP/SY
 Sample : 03903-08
 Misc : 5.28G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 MW-08

Quant Time: Aug 08 04:42:44 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)

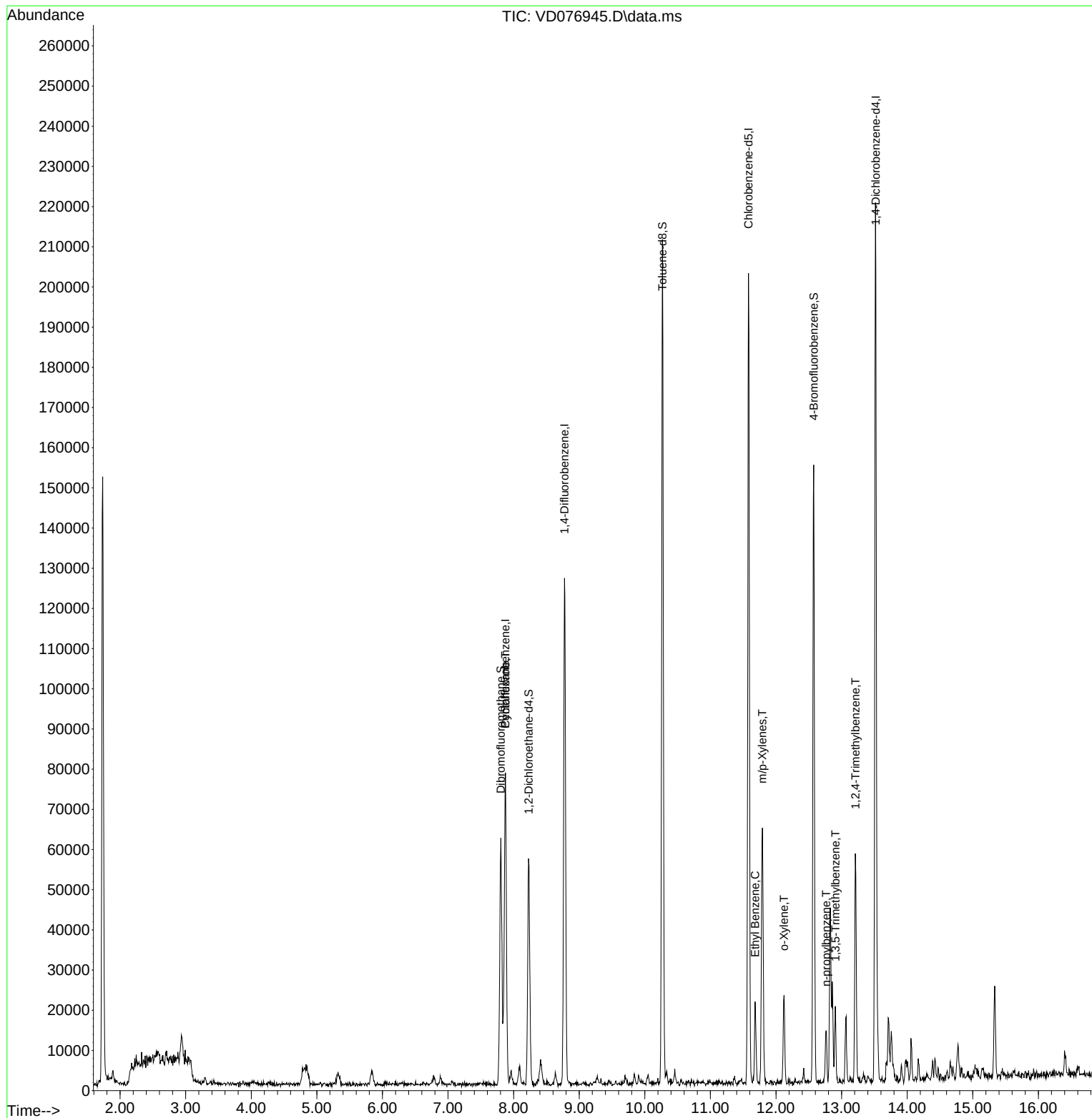
Internal Standards						
1) Pentafluorobenzene	7.875	168	58568	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	117493	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	121696	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	59337	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	42533	72.911	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 145.820%	
35) Dibromofluoromethane	7.805	113	44006	59.602	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 119.200%	
50) Toluene-d8	10.269	98	146848	55.597	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 111.200%	
62) 4-Bromofluorobenzene	12.575	95	48810	57.124	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 114.240%	
Target Compounds						
					Qvalue	
31) Cyclohexane	7.875	56	1996	2.325	ug/l	# 71
67) Ethyl Benzene	11.681	91	14110	3.283	ug/l	96
68) m/p-Xylenes	11.793	106	21551	13.055	ug/l	92
69) o-Xylene	12.122	106	6357	3.982	ug/l	90
78) n-propylbenzene	12.763	91	11802	2.261	ug/l	96
80) 1,3,5-Trimethylbenzene	12.904	105	9070	2.606	ug/l	98
84) 1,2,4-Trimethylbenzene	13.210	105	33076	9.298	ug/l	95

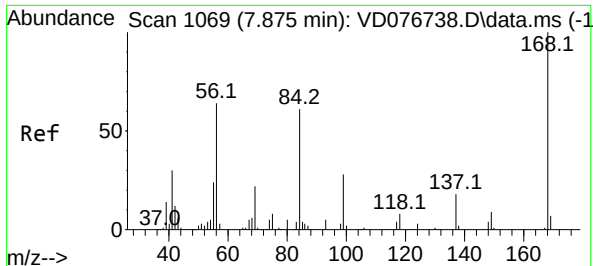
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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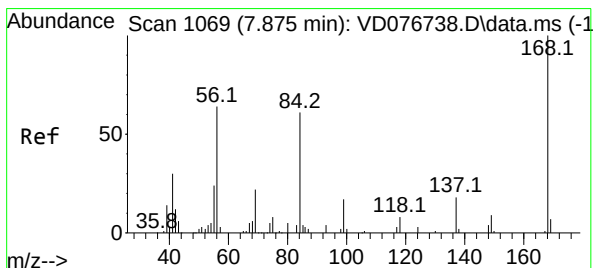
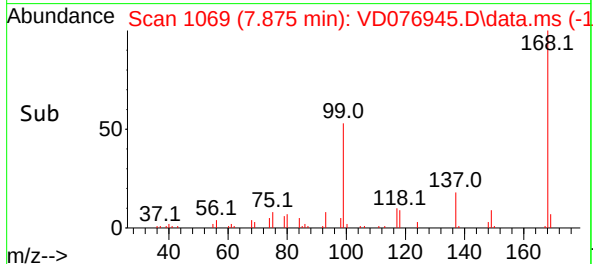
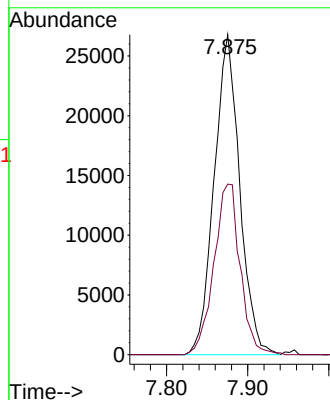
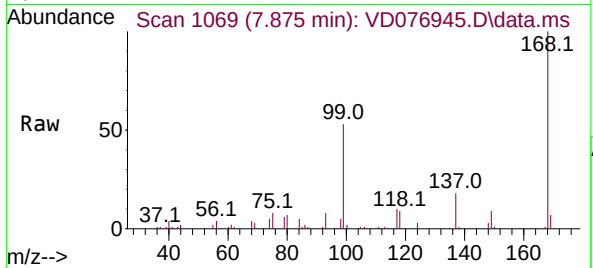




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD076945.D
Acq: 07 Aug 2023 21:49

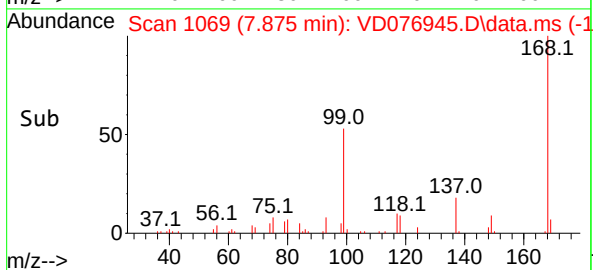
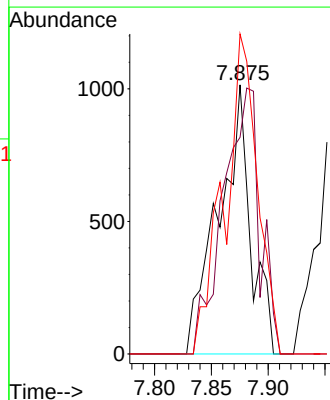
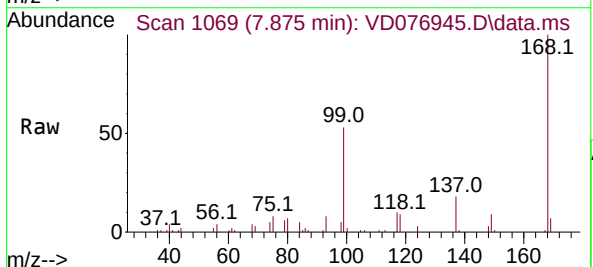
Instrument :
MSVOA_D
ClientSampleId :
MW-08

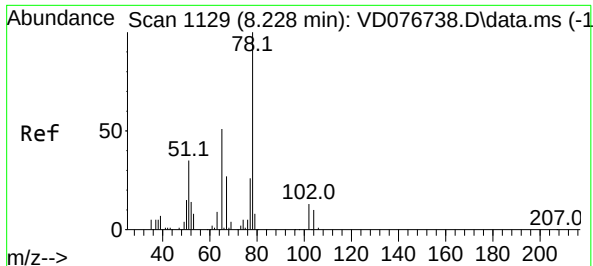
Tgt Ion:168 Resp: 58568
Ion Ratio Lower Upper
168 100
99 53.3 36.7 55.1



#31
Cyclohexane
Concen: 2.325 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD076945.D
Acq: 07 Aug 2023 21:49

Tgt Ion: 56 Resp: 1996
Ion Ratio Lower Upper
56 100
69 80.5 28.6 43.0#
84 118.9 84.8 127.2





#33

1,2-Dichloroethane-d4

Concen: 72.911 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. 0.000 min

Lab File: VD076945.D

Acq: 07 Aug 2023 21:49

Instrument :

MSVOA_D

ClientSampleId :

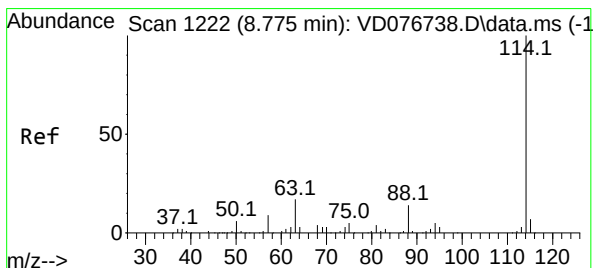
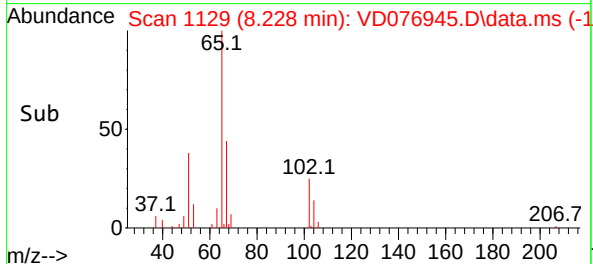
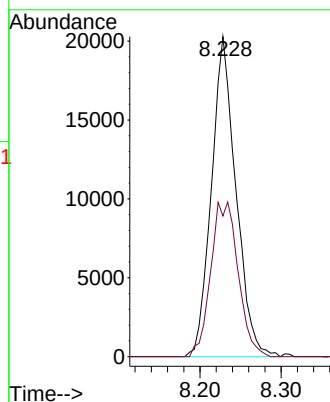
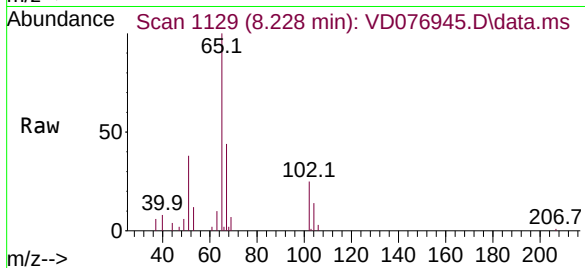
MW-08

Tgt Ion: 65 Resp: 42533

Ion Ratio Lower Upper

65 100

67 54.1 0.0 115.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 1222

Delta R.T. 0.000 min

Lab File: VD076945.D

Acq: 07 Aug 2023 21:49

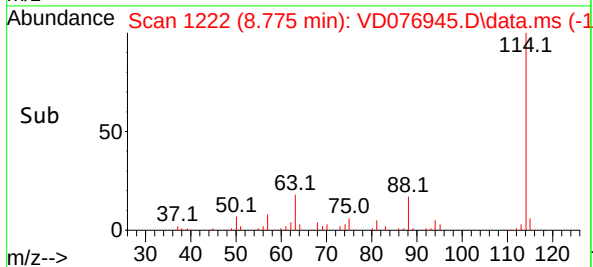
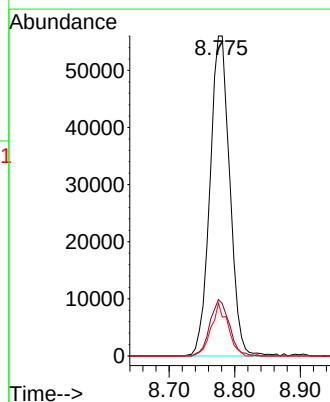
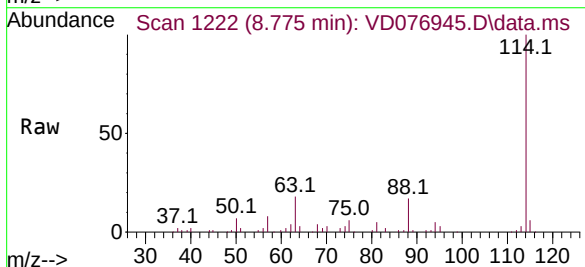
Tgt Ion: 114 Resp: 117493

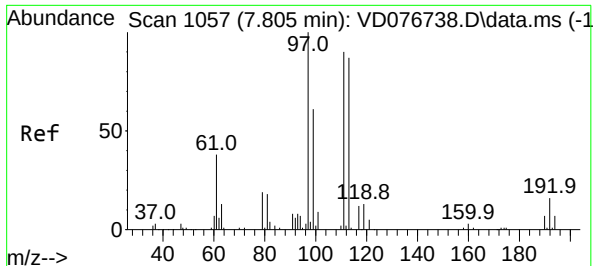
Ion Ratio Lower Upper

114 100

63 17.6 0.0 33.4

88 16.5 0.0 26.2





#35

Dibromofluoromethane

Concen: 59.602 ug/l

RT: 7.805 min Scan# 1057

Delta R.T. -0.000 min

Lab File: VD076945.D

Acq: 07 Aug 2023 21:49

Instrument :

MSVOA_D

ClientSampleId :

MW-08

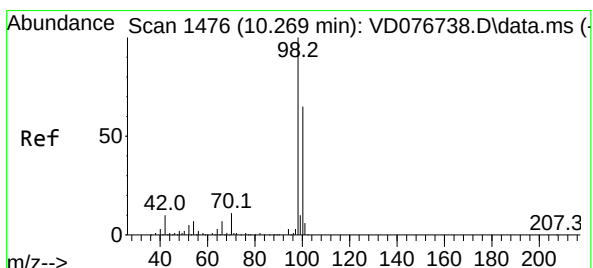
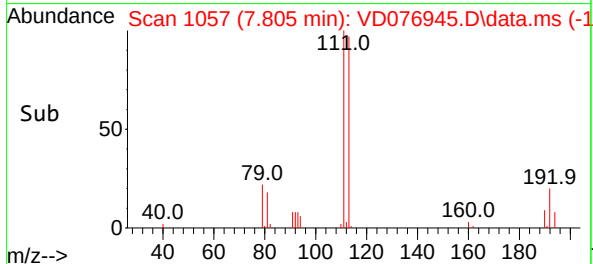
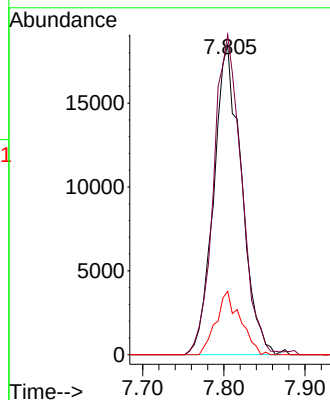
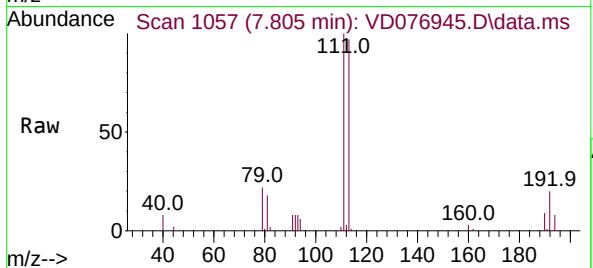
Tgt Ion:113 Resp: 44006

Ion Ratio Lower Upper

113 100

111 103.7 84.7 127.1

192 17.9 16.8 25.2



#50

Toluene-d8

Concen: 55.597 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. 0.000 min

Lab File: VD076945.D

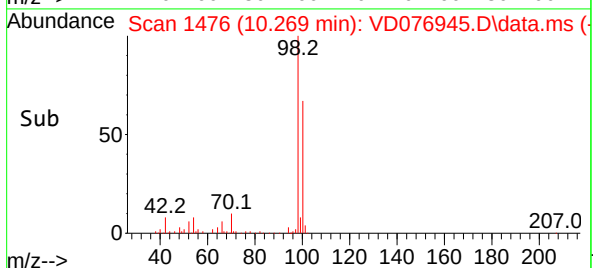
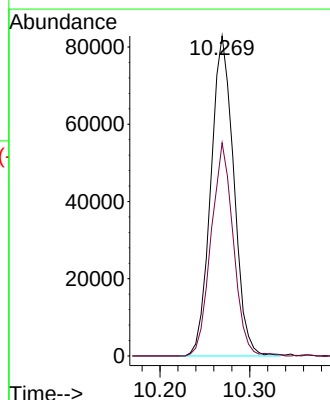
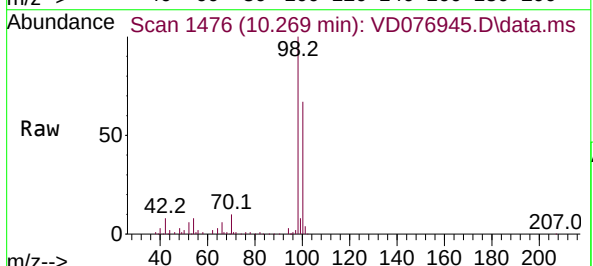
Acq: 07 Aug 2023 21:49

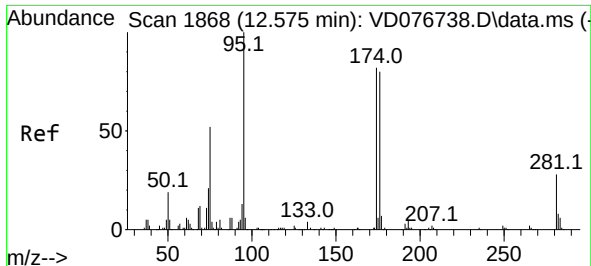
Tgt Ion: 98 Resp: 146848

Ion Ratio Lower Upper

98 100

100 64.7 50.3 75.5

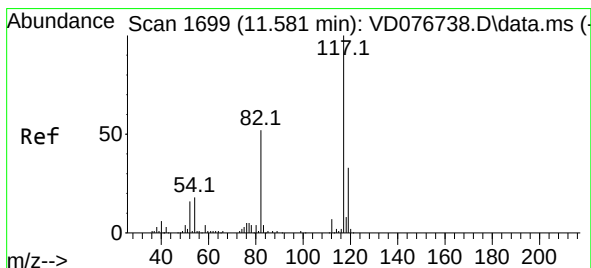
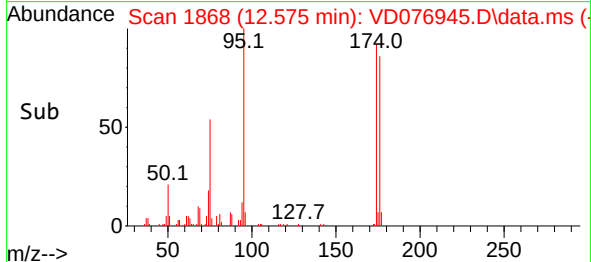
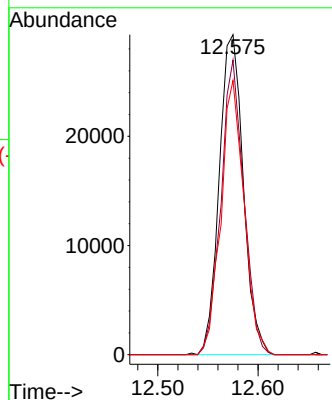
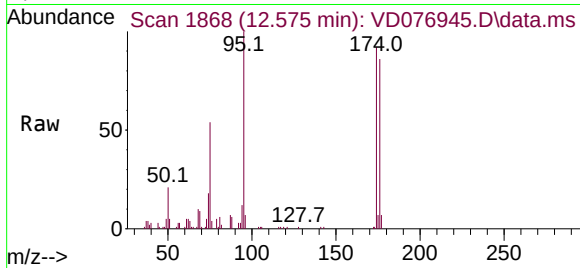




#62
4-Bromofluorobenzene
Concen: 57.124 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD076945.D
Acq: 07 Aug 2023 21:49

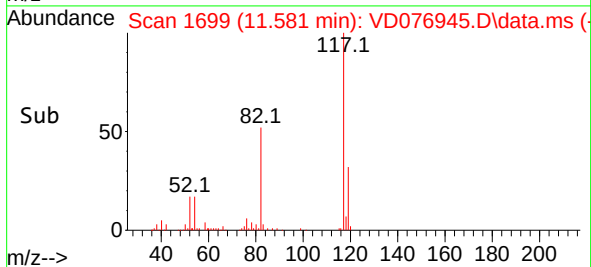
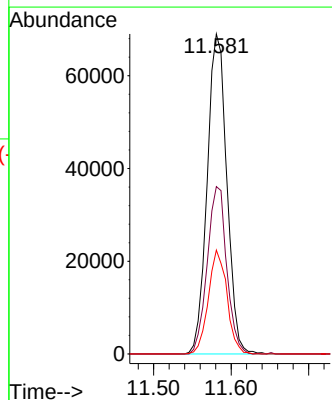
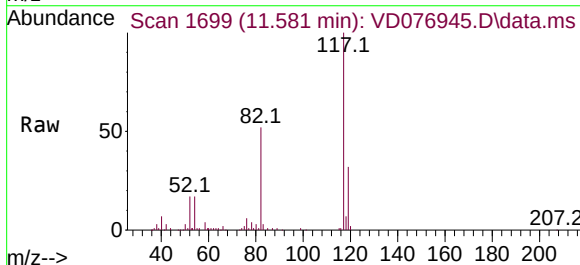
Instrument :
MSVOA_D
ClientSampleId :
MW-08

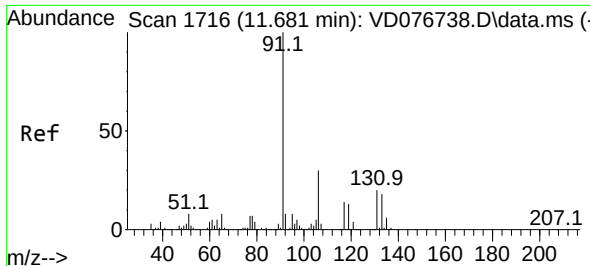
Tgt Ion: 95 Resp: 48810
Ion Ratio Lower Upper
95 100
174 87.5 0.0 201.8
176 82.4 0.0 191.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. 0.000 min
Lab File: VD076945.D
Acq: 07 Aug 2023 21:49

Tgt Ion: 117 Resp: 121696
Ion Ratio Lower Upper
117 100
82 52.3 38.3 57.5
119 32.5 25.0 37.4





#67

Ethyl Benzene

Concen: 3.283 ug/l

RT: 11.681 min Scan# 1716

Delta R.T. -0.000 min

Lab File: VD076945.D

Acq: 07 Aug 2023 21:49

Instrument :

MSVOA_D

ClientSampleId :

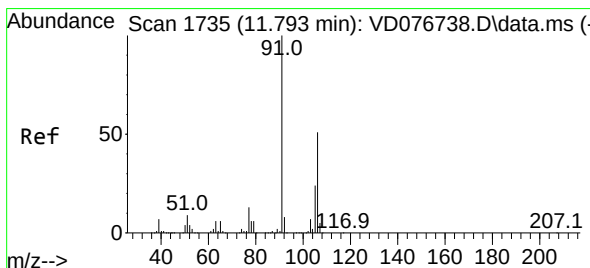
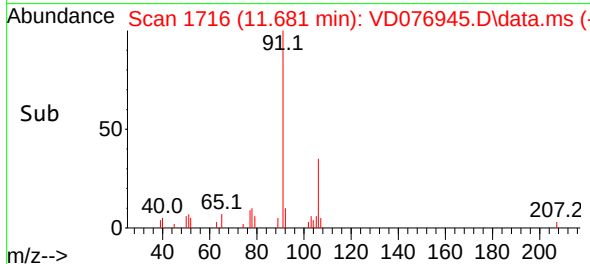
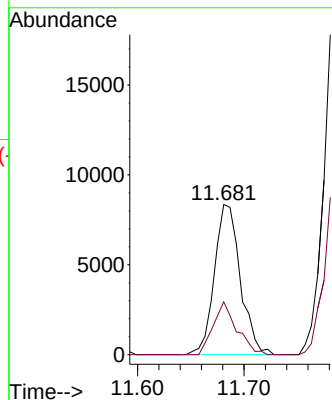
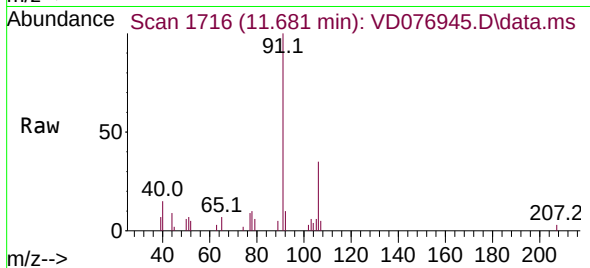
MW-08

Tgt Ion: 91 Resp: 14110

Ion Ratio Lower Upper

91 100

106 35.1 26.5 39.7



#68

m/p-Xylenes

Concen: 13.055 ug/l

RT: 11.793 min Scan# 1735

Delta R.T. -0.000 min

Lab File: VD076945.D

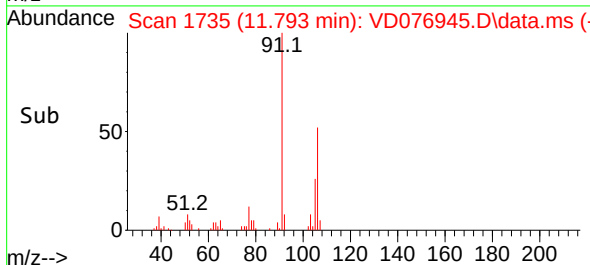
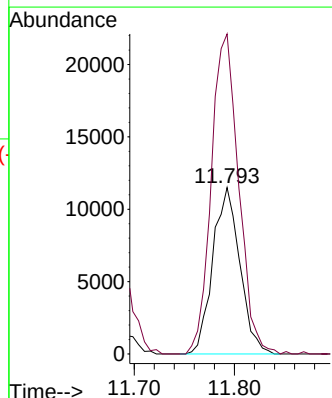
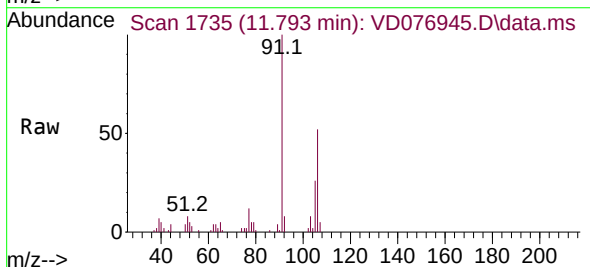
Acq: 07 Aug 2023 21:49

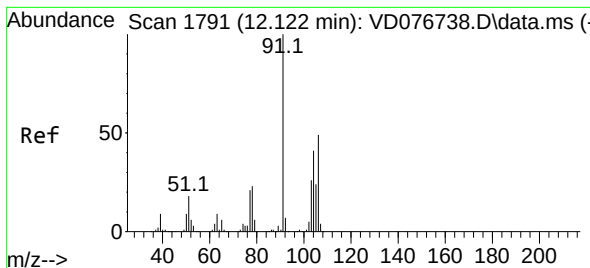
Tgt Ion: 106 Resp: 21551

Ion Ratio Lower Upper

106 100

91 194.8 147.0 220.6





#69

o-Xylene

Concen: 3.982 ug/l

RT: 12.122 min Scan# 1791

Delta R.T. 0.000 min

Lab File: VD076945.D

Acq: 07 Aug 2023 21:49

Instrument :

MSVOA_D

ClientSampleId :

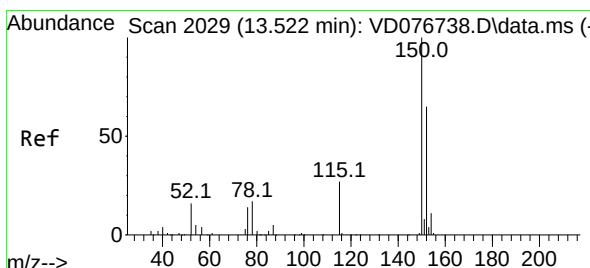
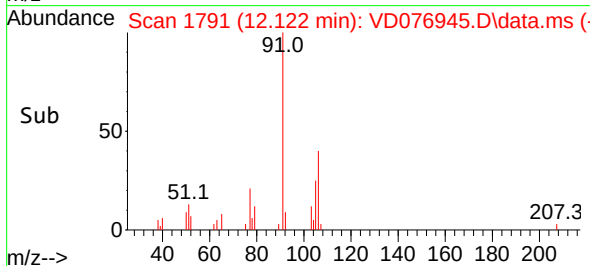
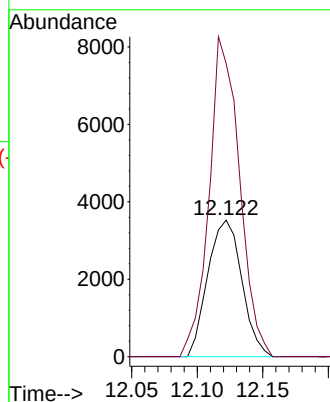
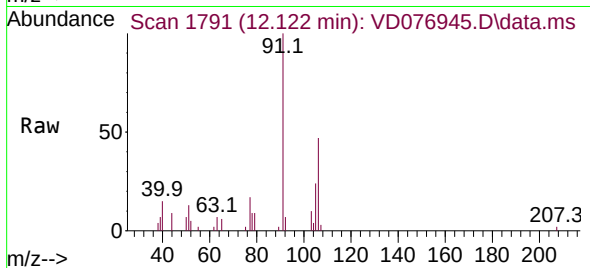
MW-08

Tgt Ion:106 Resp: 6357

Ion Ratio Lower Upper

106 100

91 210.1 97.9 293.6



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.522 min Scan# 2029

Delta R.T. 0.000 min

Lab File: VD076945.D

Acq: 07 Aug 2023 21:49

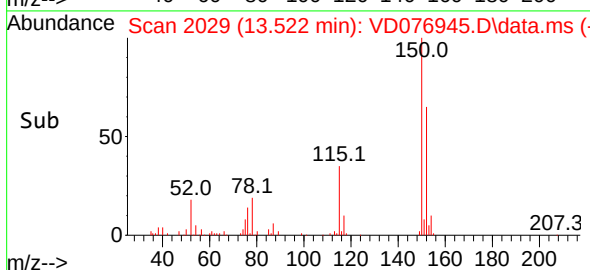
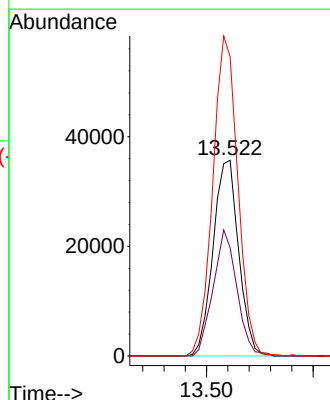
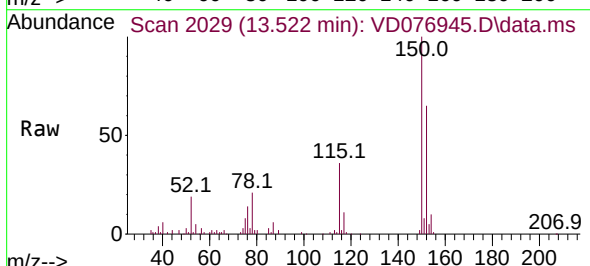
Tgt Ion:152 Resp: 59337

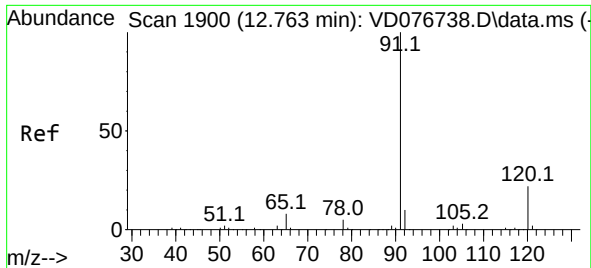
Ion Ratio Lower Upper

152 100

115 59.9 27.1 81.3

150 160.0 0.0 353.6

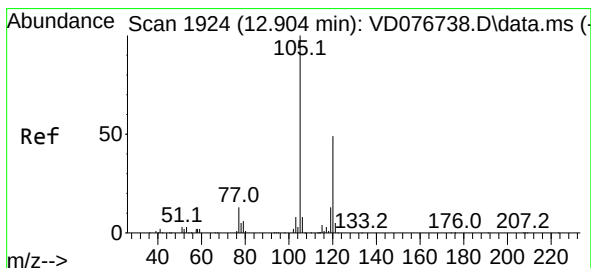
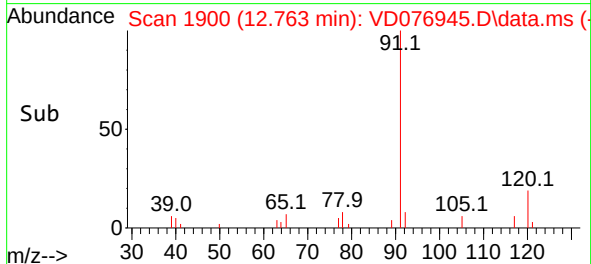
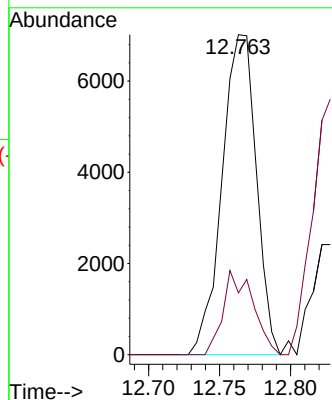
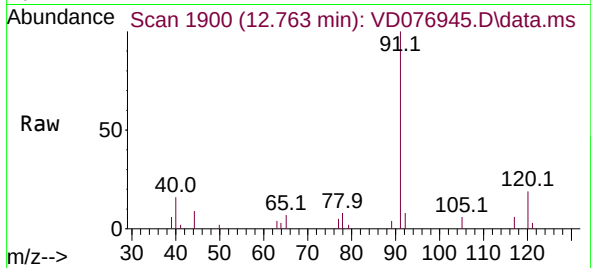




#78
n-propylbenzene
Concen: 2.261 ug/l
RT: 12.763 min Scan# 1900
Delta R.T. 0.000 min
Lab File: VD076945.D
Acq: 07 Aug 2023 21:49

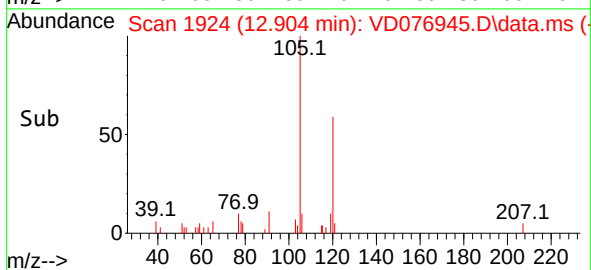
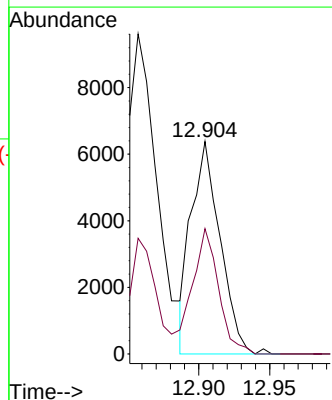
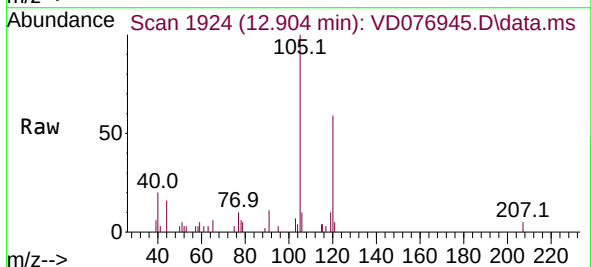
Instrument :
MSVOA_D
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MW-08

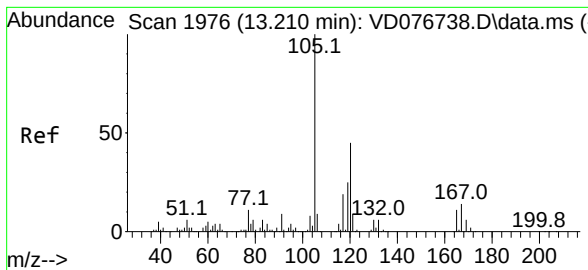
Tgt Ion: 91 Resp: 11802
Ion Ratio Lower Upper
91 100
120 22.8 12.4 37.2



#80
1,3,5-Trimethylbenzene
Concen: 2.606 ug/l
RT: 12.904 min Scan# 1924
Delta R.T. 0.000 min
Lab File: VD076945.D
Acq: 07 Aug 2023 21:49

Tgt Ion: 105 Resp: 9070
Ion Ratio Lower Upper
105 100
120 54.2 26.4 79.2





#84
 1,2,4-Trimethylbenzene
 Concen: 9.298 ug/l
 RT: 13.210 min Scan# 1976
 Delta R.T. 0.000 min
 Lab File: VD076945.D
 Acq: 07 Aug 2023 21:49

Instrument :
 MSVOA_D
 ClientSampleId :
 MW-08

Tgt Ion:105 Resp: 33076
 Ion Ratio Lower Upper
 105 100
 120 45.1 24.3 72.9

