

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD122822\
 Data File : VD075072.D
 Acq On : 28 Dec 2022 18:10
 Operator : KP/SY
 Sample : N6219-04
 Misc : 5.02G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 72-12016

Quant Time: Dec 29 03:53:26 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D12222S.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 23 05:54:19 2022
 Response via : Initial Calibration

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

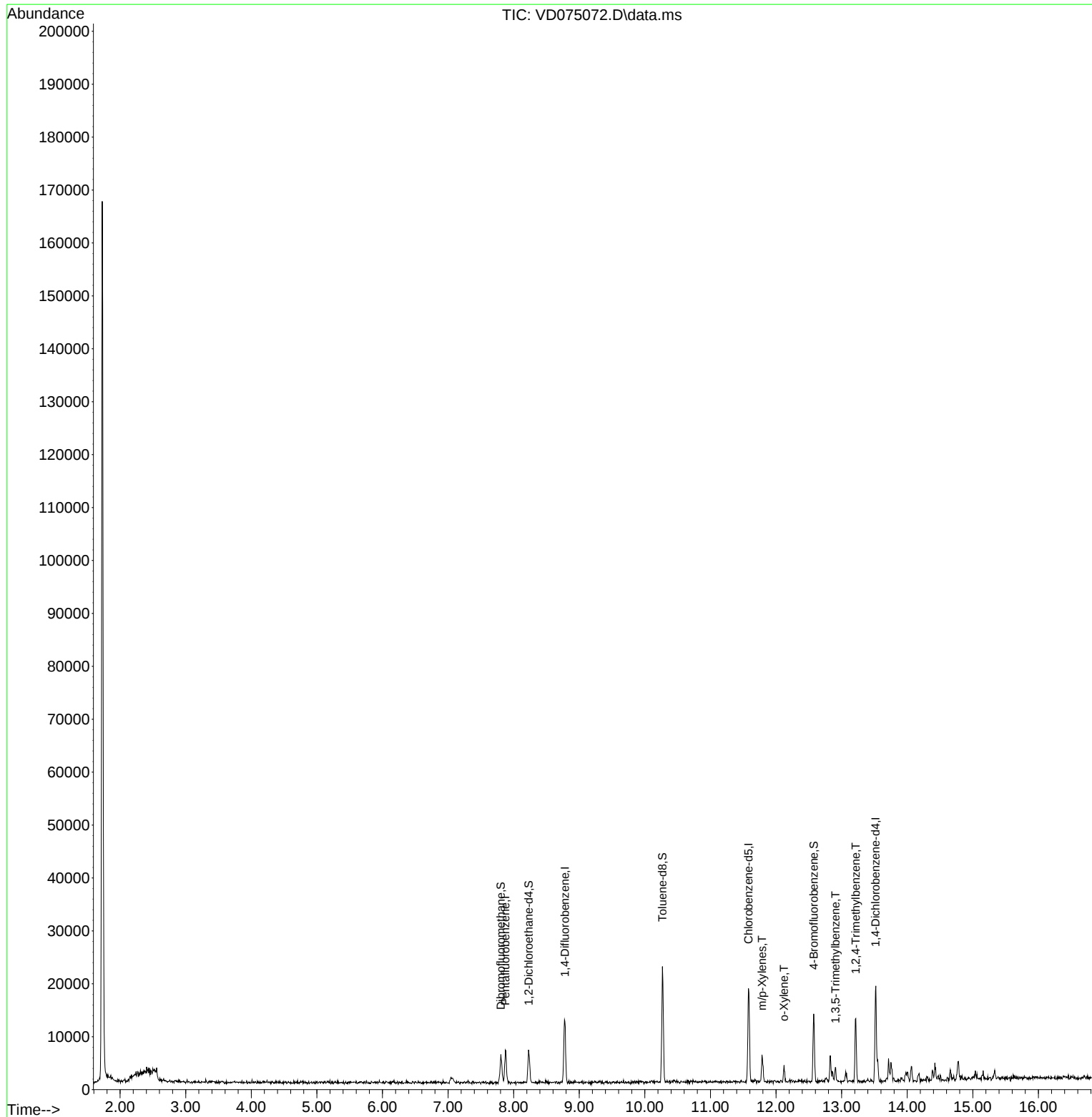
Internal Standards						
1) Pentafluorobenzene	7.875	168	5146	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.781	114	11439	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	11722	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	4689	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	4839	96.202	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 192.400%#	
35) Dibromofluoromethane	7.804	113	3951	58.697	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 117.400%	
50) Toluene-d8	10.269	98	14756	54.255	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 108.500%	
62) 4-Bromofluorobenzene	12.575	95	5152	58.473	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 116.940%	
Target Compounds						
					Qvalue	
68) m/p-Xylenes	11.786	106	1848	12.439	ug/l	95
69) o-Xylene	12.122	106	995	6.963	ug/l	100
80) 1,3,5-Trimethylbenzene	12.904	105	2016	6.954	ug/l	91
84) 1,2,4-Trimethylbenzene	13.216	105	6934	24.590	ug/l	97

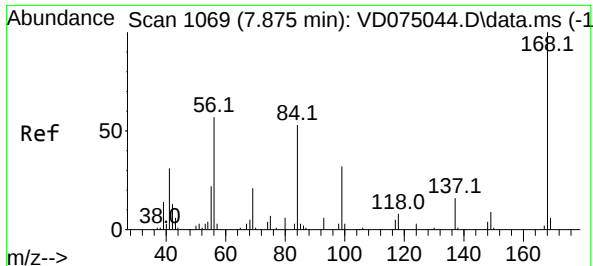
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D122222S.M
Quant Title : SW846 8260
QLast Update : Fri Dec 23 05:54:19 2022
Response via : Initial Calibration

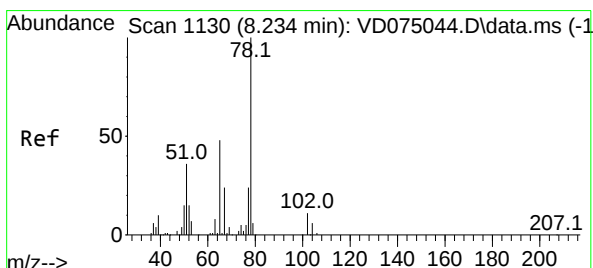
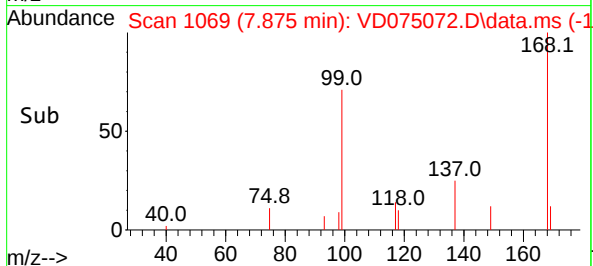
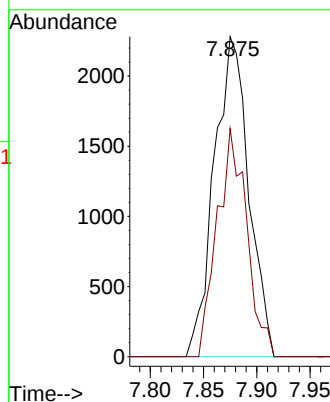
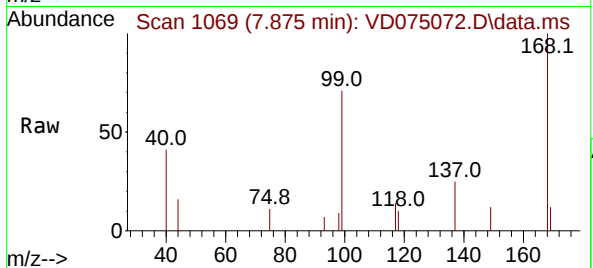




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1109
Delta R.T. -0.000 min
Lab File: VD075072.D
Acq: 28 Dec 2022 18:10

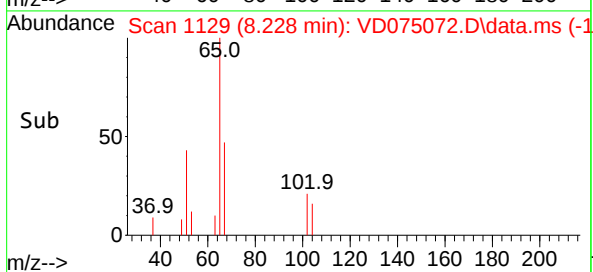
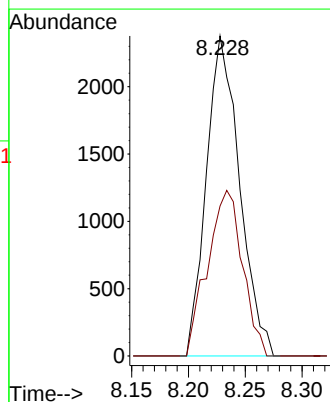
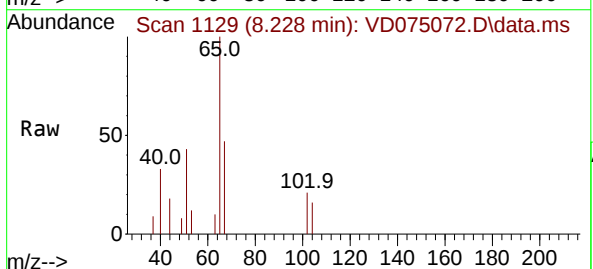
Instrument :
MSVOA_D
ClientSampleId :
72-12016

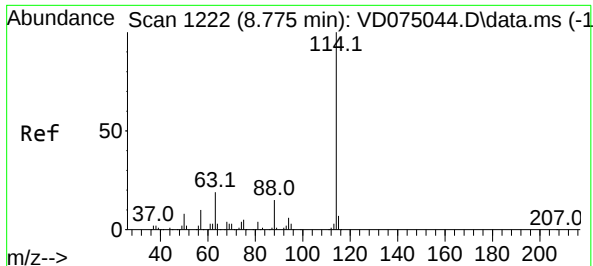
Tgt Ion:168 Resp: 5146
Ion Ratio Lower Upper
168 100
99 71.3 40.3 60.5#



#33
1,2-Dichloroethane-d4
Concen: 96.202 ug/l
RT: 8.228 min Scan# 1129
Delta R.T. -0.000 min
Lab File: VD075072.D
Acq: 28 Dec 2022 18:10

Tgt Ion: 65 Resp: 4839
Ion Ratio Lower Upper
65 100
67 54.5 0.0 111.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.781 min Scan# 11439

Delta R.T. 0.006 min

Lab File: VD075072.D

Acq: 28 Dec 2022 18:10

Instrument :

MSVOA_D

ClientSampleId :

72-12016

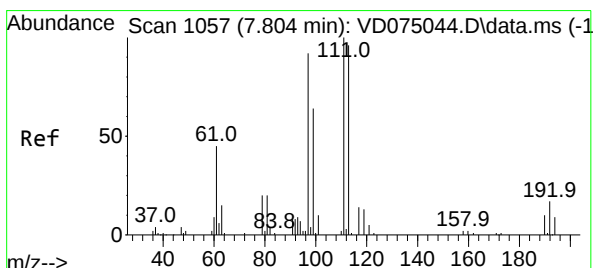
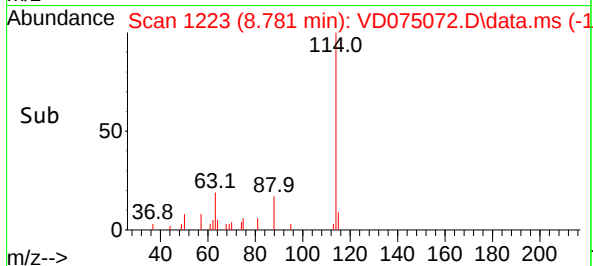
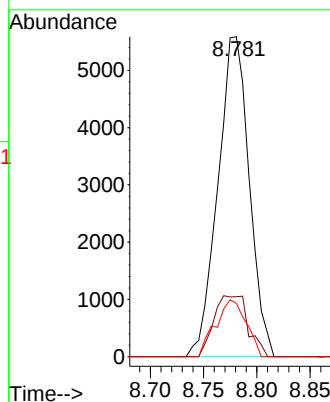
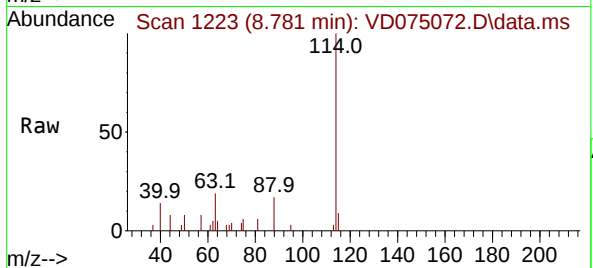
Tgt Ion:114 Resp: 11439

Ion Ratio Lower Upper

114 100

63 18.7 0.0 33.8

88 16.6 0.0 27.8



#35

Dibromofluoromethane

Concen: 58.697 ug/l

RT: 7.804 min Scan# 1057

Delta R.T. -0.001 min

Lab File: VD075072.D

Acq: 28 Dec 2022 18:10

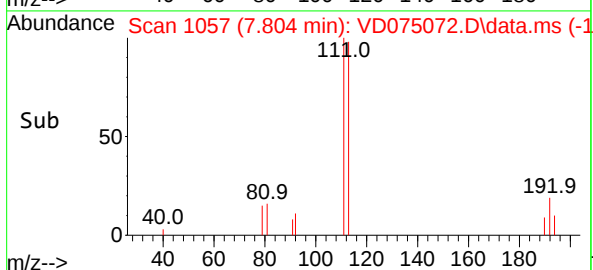
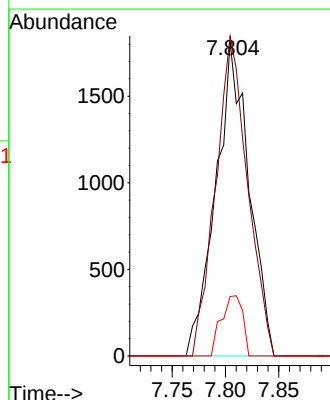
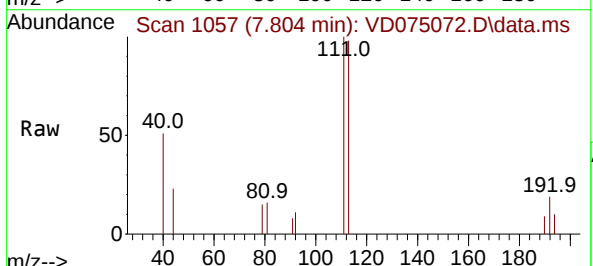
Tgt Ion:113 Resp: 3951

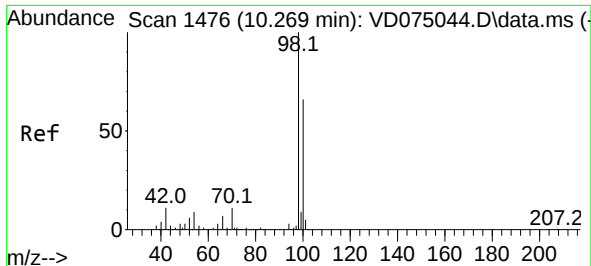
Ion Ratio Lower Upper

113 100

111 97.7 82.1 123.1

192 12.2 15.1 22.7#

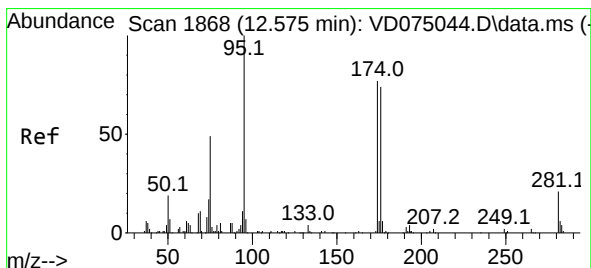
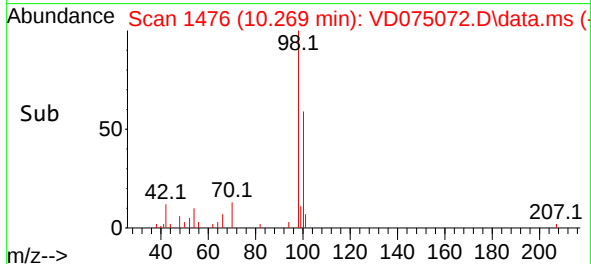
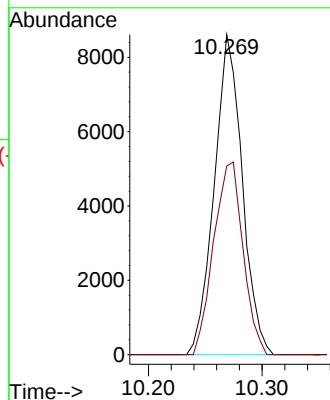
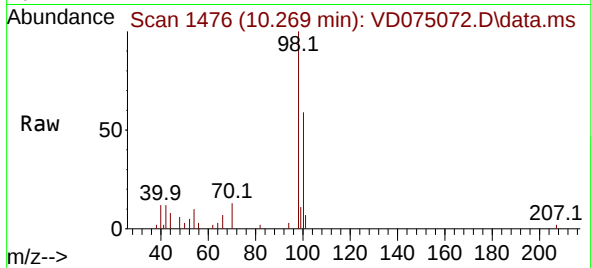




#50
Toluene-d8
Concen: 54.255 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. -0.000 min
Lab File: VD075072.D
Acq: 28 Dec 2022 18:10

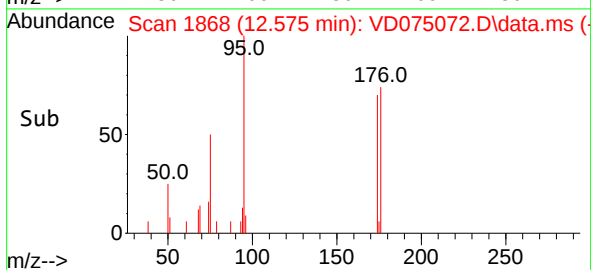
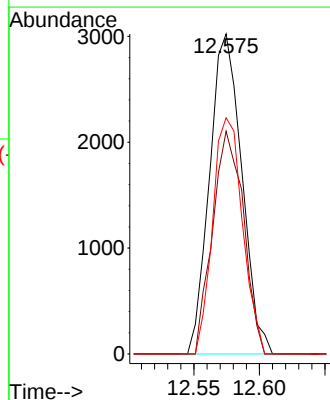
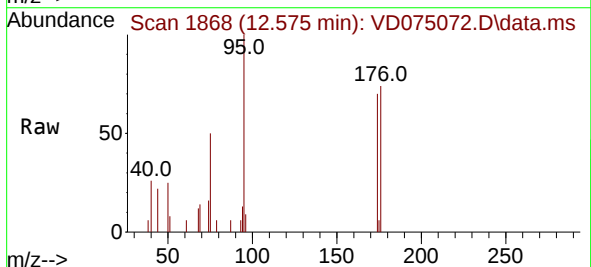
Instrument :
MSVOA_D
ClientSampleId :
72-12016

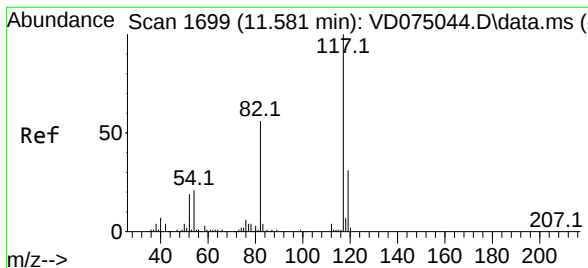
Tgt Ion: 98 Resp: 14756
Ion Ratio Lower Upper
98 100
100 63.1 52.2 78.2



#62
4-Bromofluorobenzene
Concen: 58.473 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD075072.D
Acq: 28 Dec 2022 18:10

Tgt Ion: 95 Resp: 5152
Ion Ratio Lower Upper
95 100
174 66.8 0.0 171.2
176 68.3 0.0 165.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.581 min Scan# 11722

Delta R.T. -0.000 min

Lab File: VD075072.D

Acq: 28 Dec 2022 18:10

Instrument :

MSVOA_D

ClientSampleId :

72-12016

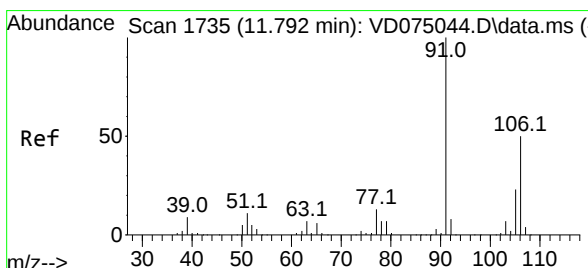
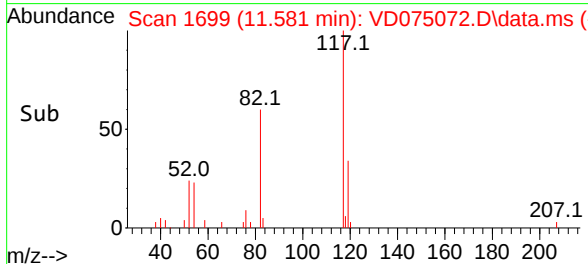
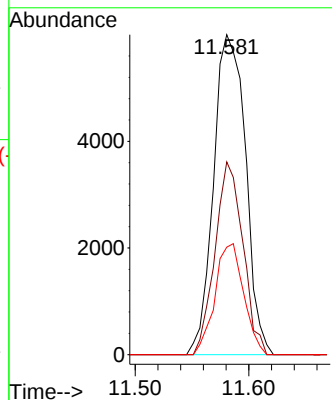
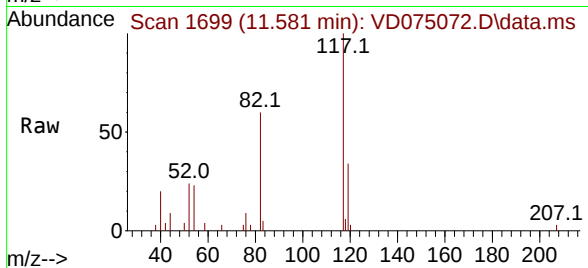
Tgt Ion:117 Resp: 11722

Ion Ratio Lower Upper

117 100

82 60.2 40.9 61.3

119 33.6 25.5 38.3



#68

m/p-Xylenes

Concen: 12.439 ug/l

RT: 11.786 min Scan# 1734

Delta R.T. -0.007 min

Lab File: VD075072.D

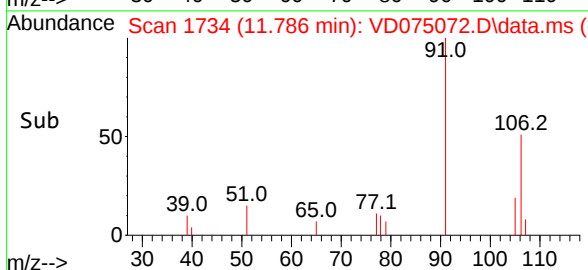
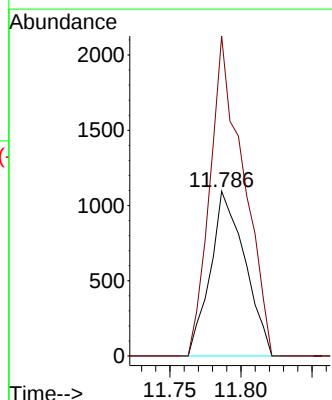
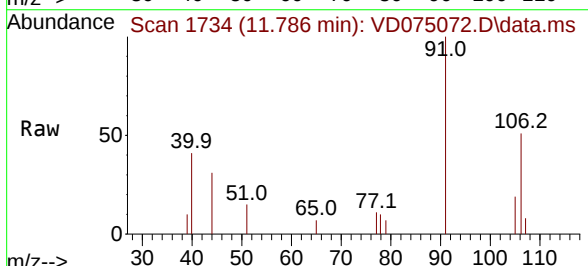
Acq: 28 Dec 2022 18:10

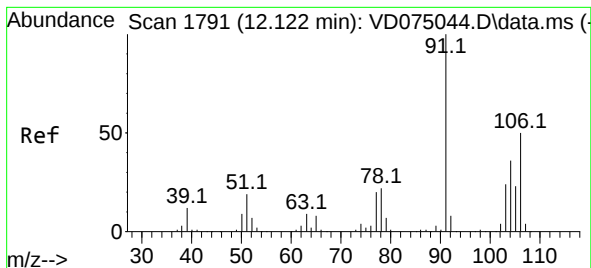
Tgt Ion:106 Resp: 1848

Ion Ratio Lower Upper

106 100

91 188.5 156.3 234.5





#69

o-Xylene

Concen: 6.963 ug/l

RT: 12.122 min Scan# 11

Delta R.T. -0.000 min

Lab File: VD075072.D

Acq: 28 Dec 2022 18:10

Instrument :

MSVOA_D

ClientSampleId :

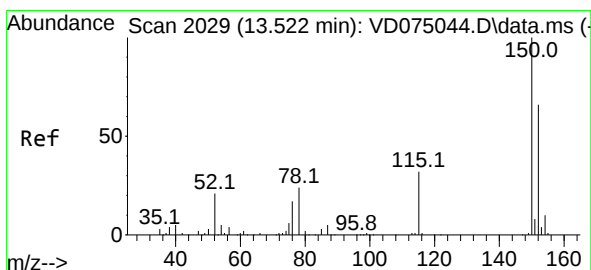
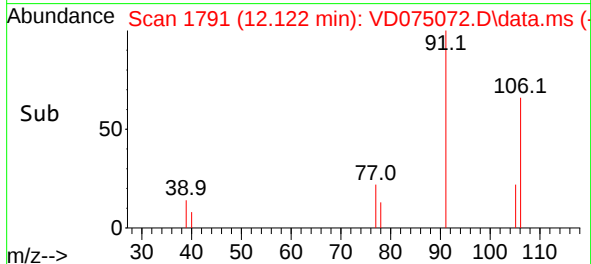
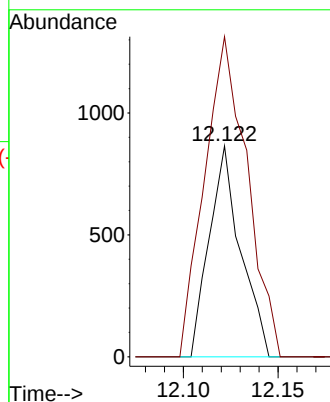
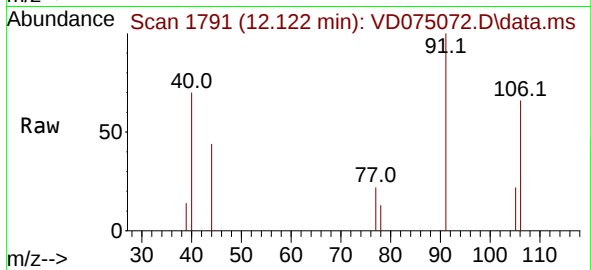
72-12016

Tgt Ion:106 Resp: 995

Ion Ratio Lower Upper

106 100

91 205.7 102.7 308.1



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.516 min Scan# 2028

Delta R.T. -0.000 min

Lab File: VD075072.D

Acq: 28 Dec 2022 18:10

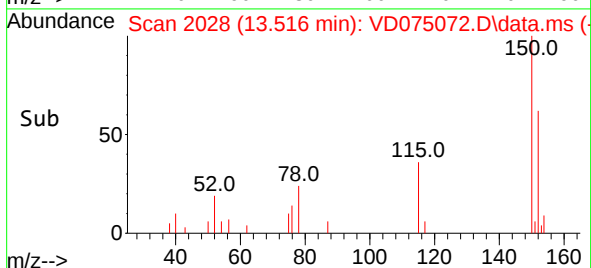
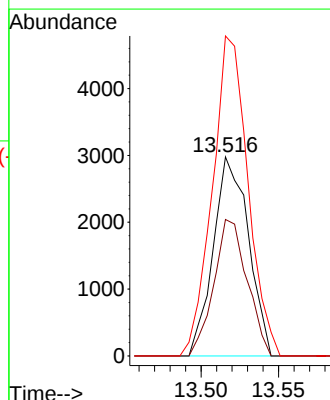
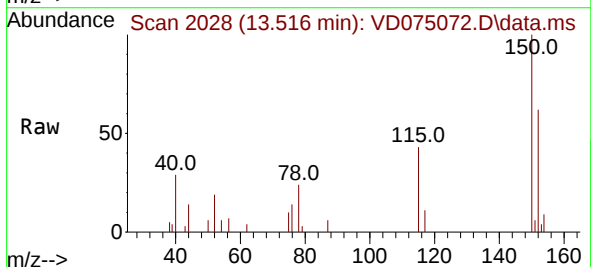
Tgt Ion:152 Resp: 4689

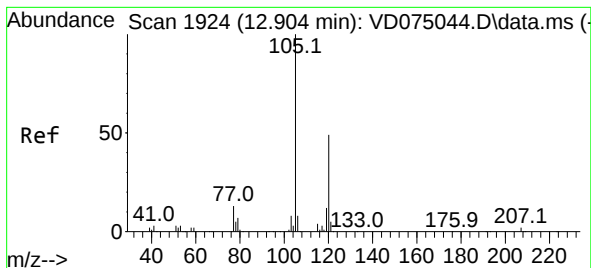
Ion Ratio Lower Upper

152 100

115 64.8 28.8 86.5

150 162.9 0.0 354.2





#80

1,3,5-Trimethylbenzene

Concen: 6.954 ug/l

RT: 12.904 min Scan# 1924

Delta R.T. 0.000 min

Lab File: VD075072.D

Acq: 28 Dec 2022 18:10

Instrument :

MSVOA_D

ClientSampleId :

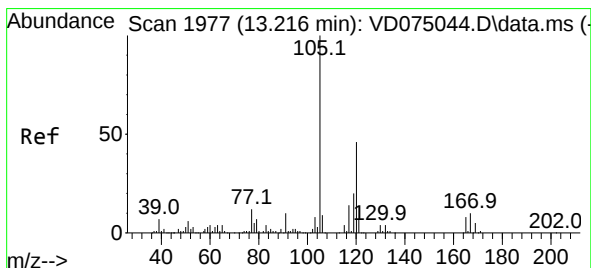
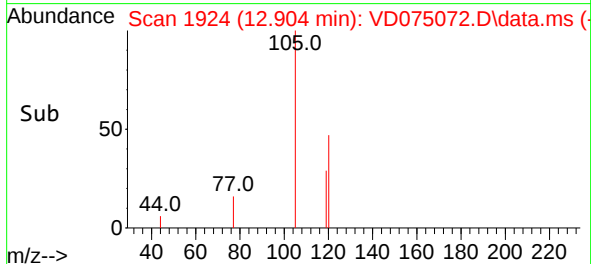
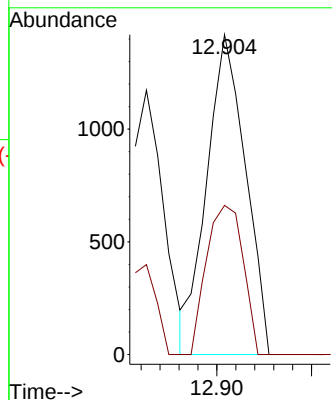
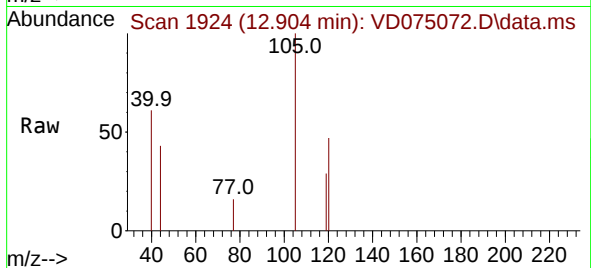
72-12016

Tgt Ion:105 Resp: 2016

Ion Ratio Lower Upper

105 100

120 44.2 25.1 75.3



#84

1,2,4-Trimethylbenzene

Concen: 24.590 ug/l

RT: 13.216 min Scan# 1977

Delta R.T. 0.006 min

Lab File: VD075072.D

Acq: 28 Dec 2022 18:10

Tgt Ion:105 Resp: 6934

Ion Ratio Lower Upper

105 100

120 48.3 23.1 69.3

