

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD060723\
 Data File : VD076362.D
 Acq On : 07 Jun 2023 19:19
 Operator : KP/SY
 Sample : 03042-01
 Misc : 5.06G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 WC-1

Quant Time: Jun 08 01:19:28 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D060523S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 06 02:52:23 2023
 Response via : Initial Calibration

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

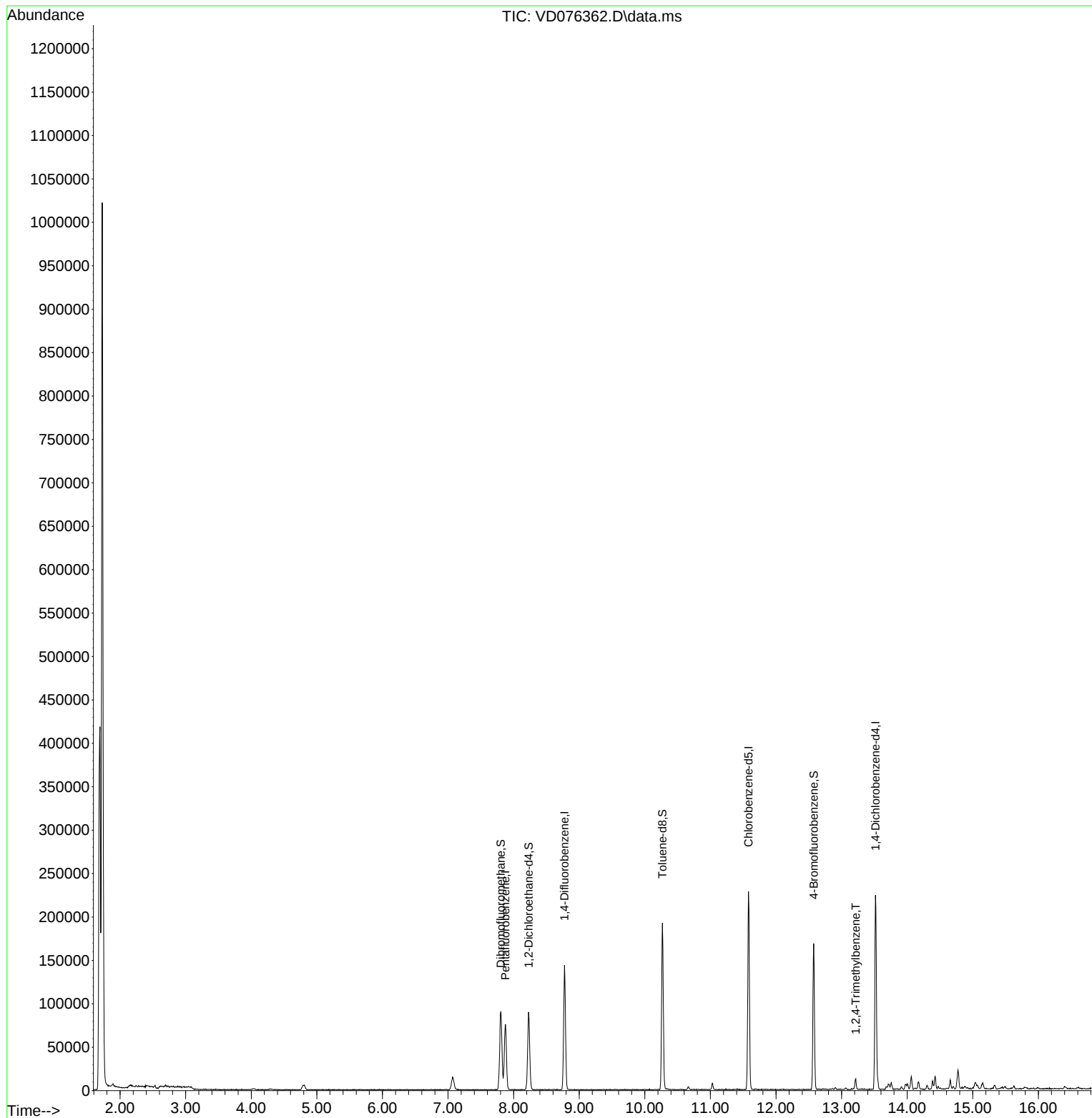
Internal Standards						
1) Pentafluorobenzene	7.875	168	66627	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	135633	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	146747	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	66090	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	65629	109.936	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 219.880%#	
35) Dibromofluoromethane	7.805	113	66894	77.677	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 155.360%#	
50) Toluene-d8	10.269	98	141489	41.265	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 82.540%	
62) 4-Bromofluorobenzene	12.575	95	49917	55.011	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 110.020%	
Target Compounds						
84) 1,2,4-Trimethylbenzene	13.216	105	6747	1.936	ug/l	Qvalue 97

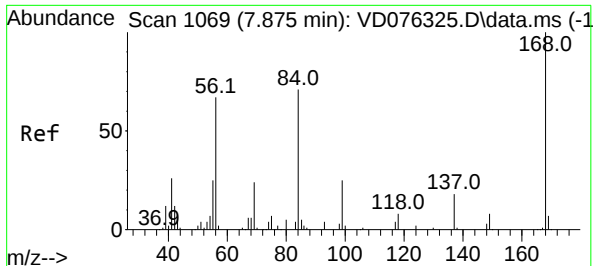
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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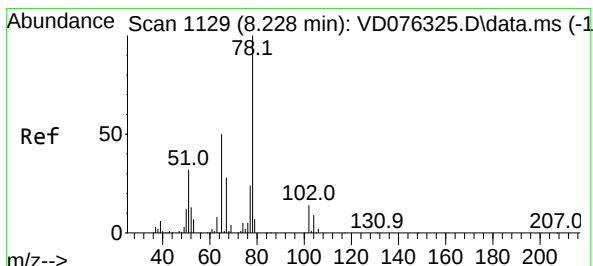
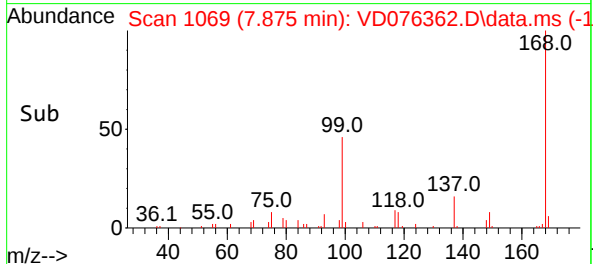
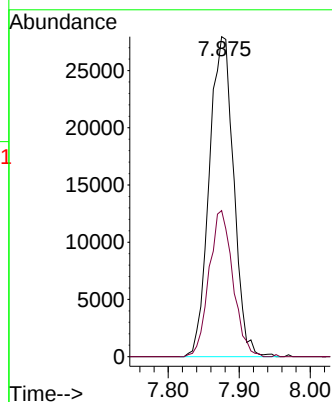
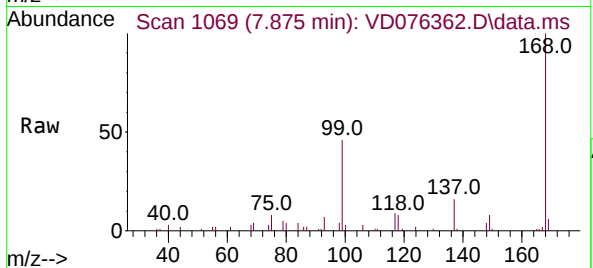




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD076362.D
Acq: 07 Jun 2023 19:19

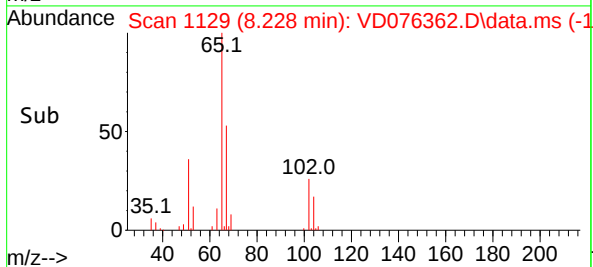
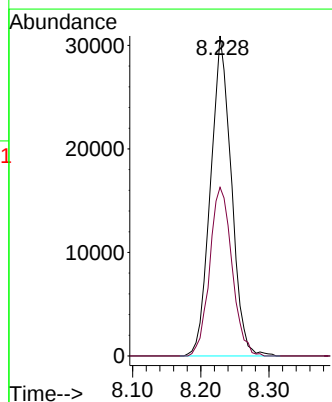
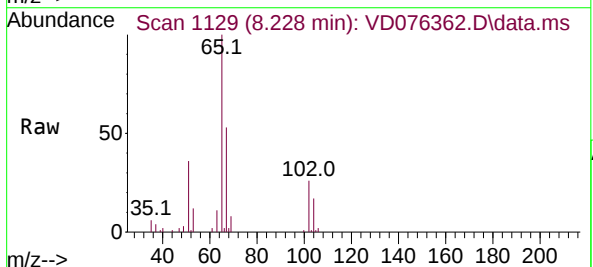
Instrument :
MSVOA_D
ClientSampleId :
WC-1

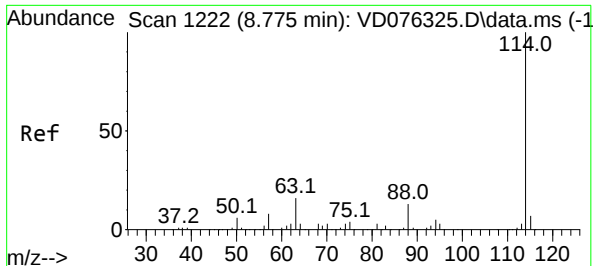
Tgt Ion:168 Resp: 66627
Ion Ratio Lower Upper
168 100
99 45.6 36.7 55.1



#33
1,2-Dichloroethane-d4
Concen: 109.936 ug/l
RT: 8.228 min Scan# 1129
Delta R.T. 0.000 min
Lab File: VD076362.D
Acq: 07 Jun 2023 19:19

Tgt Ion: 65 Resp: 65629
Ion Ratio Lower Upper
65 100
67 56.6 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: VD076362.D

Acq: 07 Jun 2023 19:19

Instrument :

MSVOA_D

ClientSampleId :

WC-1

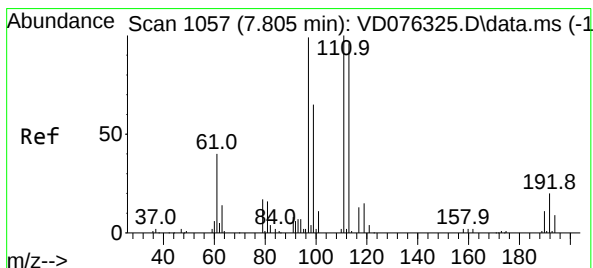
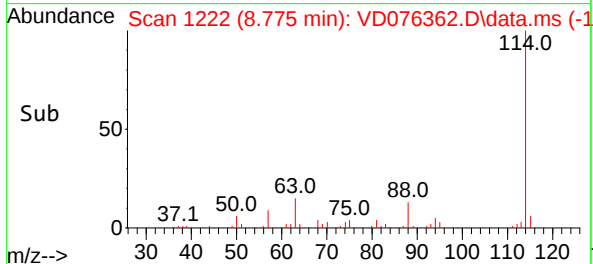
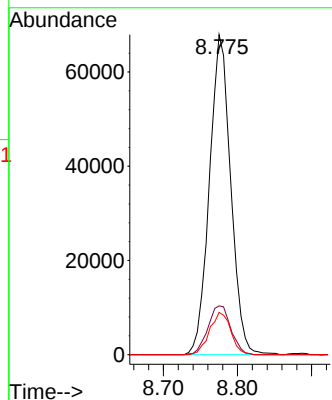
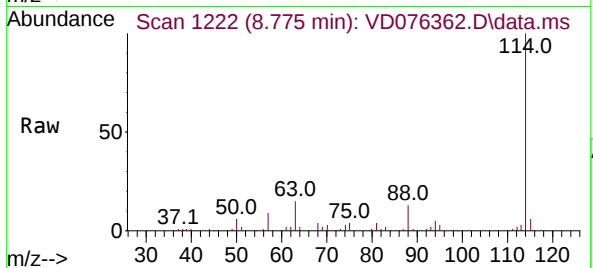
Tgt Ion:114 Resp: 135633

Ion Ratio Lower Upper

114 100

63 15.3 0.0 33.4

88 13.2 0.0 26.2



#35

Dibromofluoromethane

Concen: 77.677 ug/l

RT: 7.805 min Scan# 1057

Delta R.T. 0.000 min

Lab File: VD076362.D

Acq: 07 Jun 2023 19:19

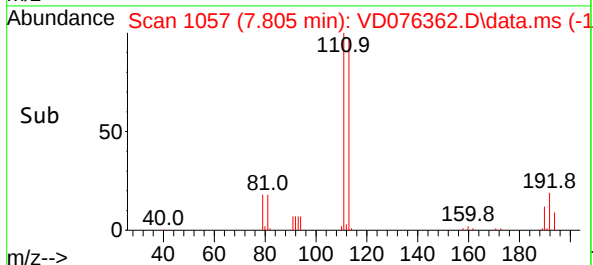
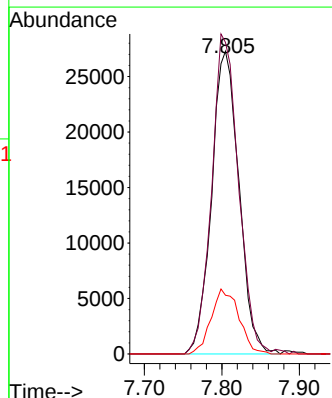
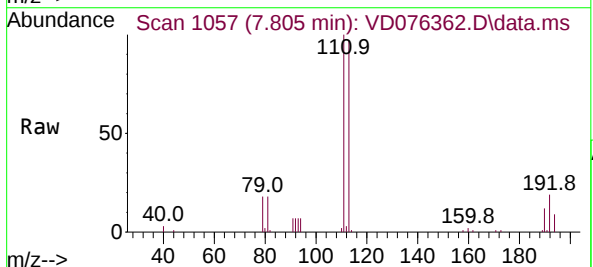
Tgt Ion:113 Resp: 66894

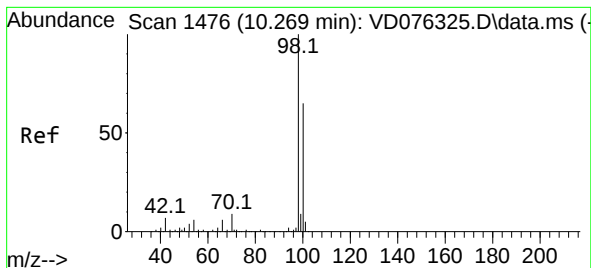
Ion Ratio Lower Upper

113 100

111 103.9 84.7 127.1

192 21.8 16.8 25.2





#50

Toluene-d8

Concen: 41.265 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. 0.000 min

Lab File: VD076362.D

Acq: 07 Jun 2023 19:19

Instrument :

MSVOA_D

ClientSampleId :

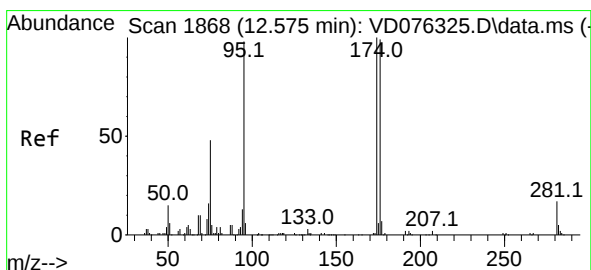
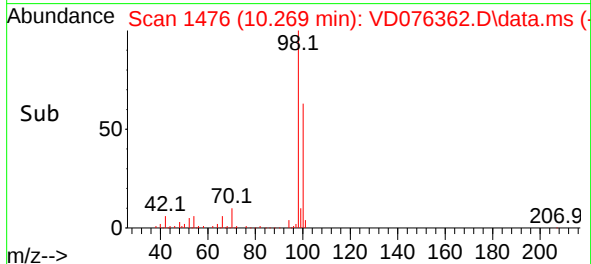
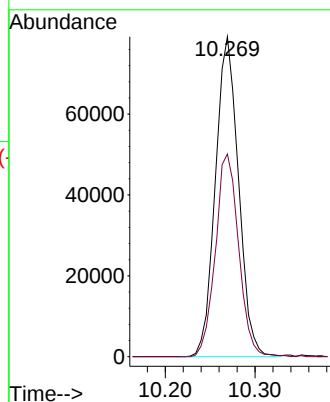
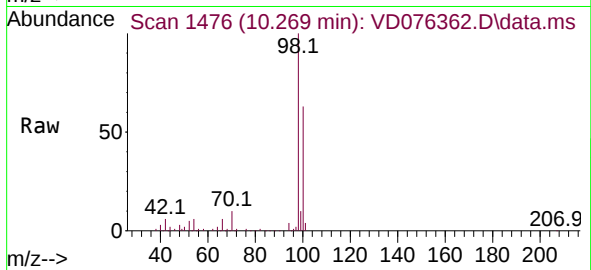
WC-1

Tgt Ion: 98 Resp: 141489

Ion Ratio Lower Upper

98 100

100 63.7 50.3 75.5



#62

4-Bromofluorobenzene

Concen: 55.011 ug/l

RT: 12.575 min Scan# 1868

Delta R.T. 0.000 min

Lab File: VD076362.D

Acq: 07 Jun 2023 19:19

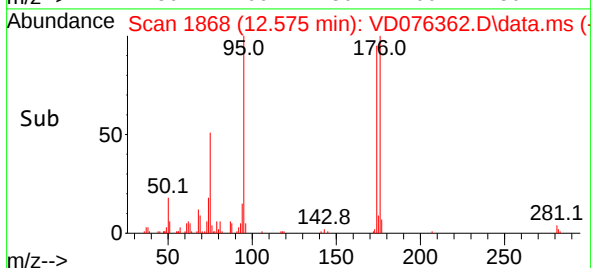
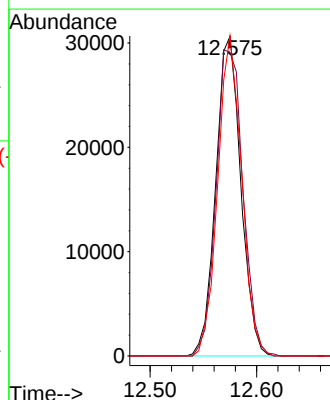
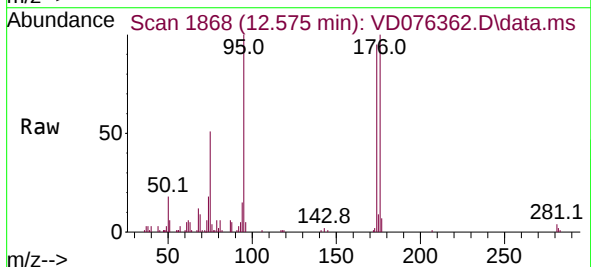
Tgt Ion: 95 Resp: 49917

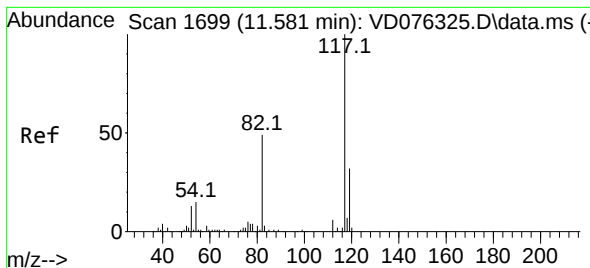
Ion Ratio Lower Upper

95 100

174 102.6 0.0 201.8

176 95.7 0.0 191.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.581 min Scan# 1

Delta R.T. 0.000 min

Lab File: VD076362.D

Acq: 07 Jun 2023 19:19

Instrument :

MSVOA_D

ClientSampleId :

WC-1

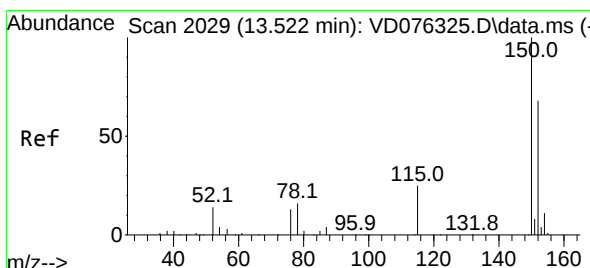
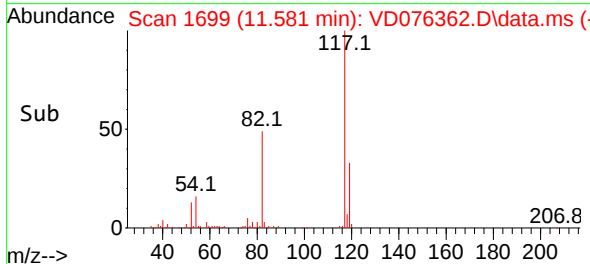
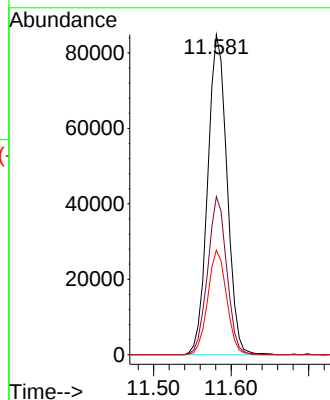
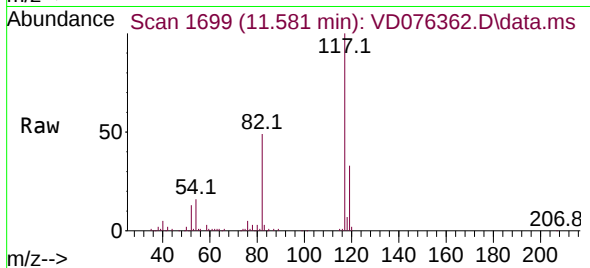
Tgt Ion:117 Resp: 146747

Ion Ratio Lower Upper

117 100

82 49.4 38.3 57.5

119 32.7 25.0 37.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.516 min Scan# 2028

Delta R.T. -0.006 min

Lab File: VD076362.D

Acq: 07 Jun 2023 19:19

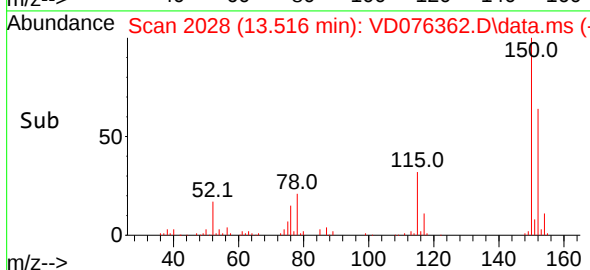
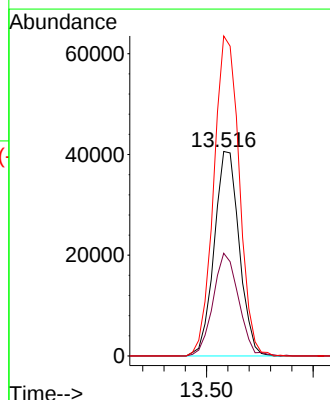
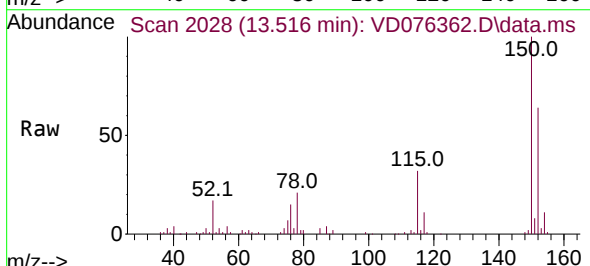
Tgt Ion:152 Resp: 66090

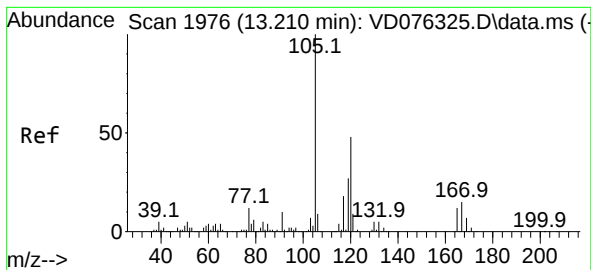
Ion Ratio Lower Upper

152 100

115 51.4 27.1 81.3

150 159.3 0.0 353.6





#84

1,2,4-Trimethylbenzene

Concen: 1.936 ug/l

RT: 13.216 min Scan# 1977

Delta R.T. 0.006 min

Lab File: VD076362.D

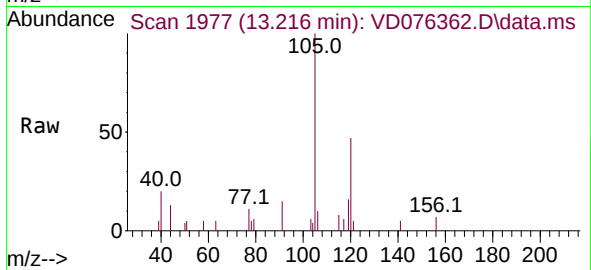
Acq: 07 Jun 2023 19:19

Instrument :

MSVOA_D

ClientSampleId :

WC-1



Tgt Ion:105 Resp: 6747

Ion Ratio Lower Upper

105 100

120 46.6 24.3 72.9

