

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD041223\
 Data File : VD075649.D
 Acq On : 12 Apr 2023 19:46
 Operator : KP/SY
 Sample : 02320-01
 Misc : 5.01G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 E9074-BAYS-001

Quant Time: Apr 13 07:31:01 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D041023S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 12 10:29:09 2023
 Response via : Initial Calibration

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

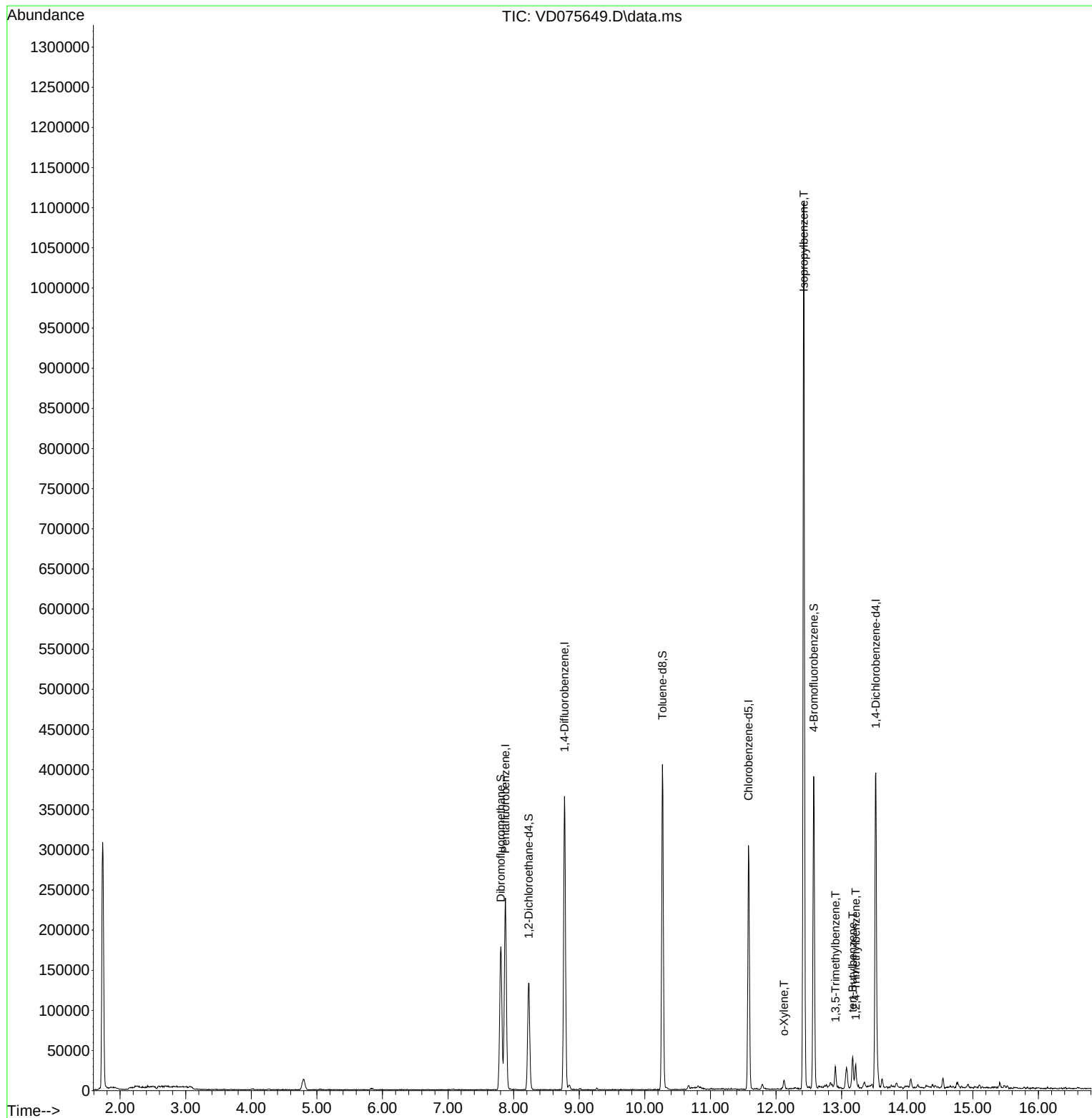
Internal Standards						
1) Pentafluorobenzene	7.875	168	194298	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	352476	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	187454	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	114853	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	102439	64.268	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 128.540%	
35) Dibromofluoromethane	7.804	113	133734	64.740	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 129.480%	
50) Toluene-d8	10.269	98	298437	36.833	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 73.660%	
62) 4-Bromofluorobenzene	12.575	95	121650	51.034	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 102.060%	
Target Compounds						
					Qvalue	
69) o-Xylene	12.122	106	3337	1.499	ug/l	95
73) Isopropylbenzene	12.422	105	725966	101.859	ug/l	99
80) 1,3,5-Trimethylbenzene	12.904	105	13440	2.303	ug/l	94
83) tert-Butylbenzene	13.169	119	18687	3.687	ug/l	99
84) 1,2,4-Trimethylbenzene	13.216	105	13106	2.223	ug/l	94

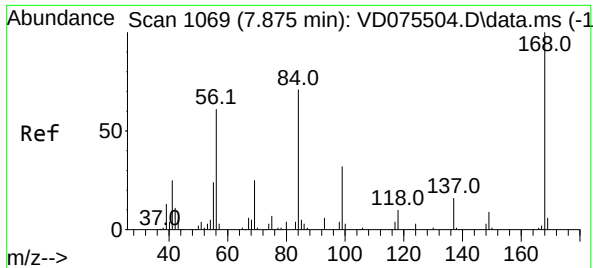
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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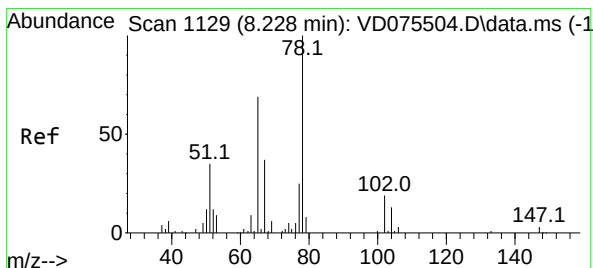
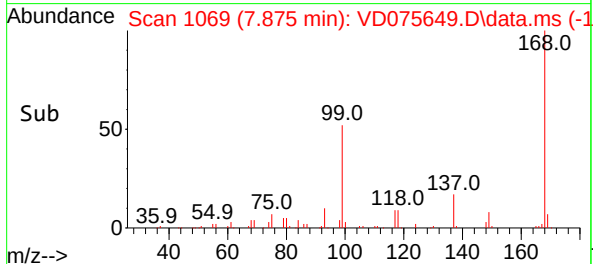
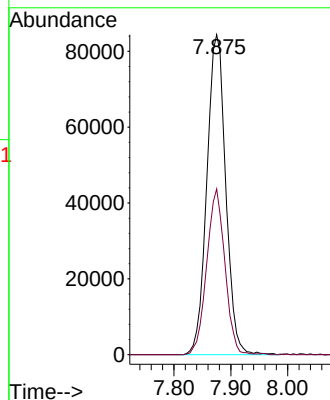
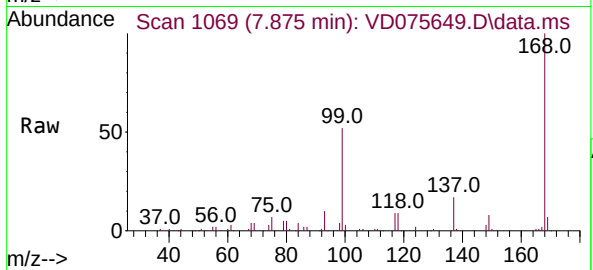




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD075649.D
Acq: 12 Apr 2023 19:46

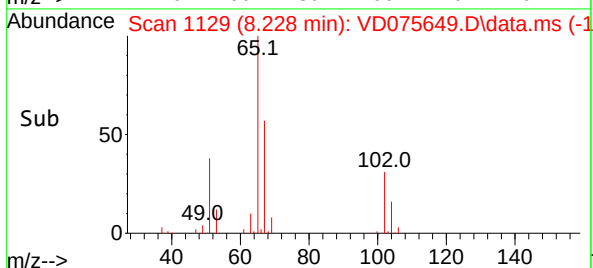
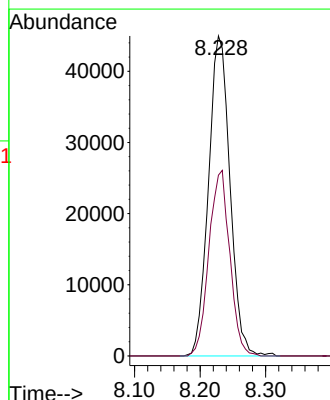
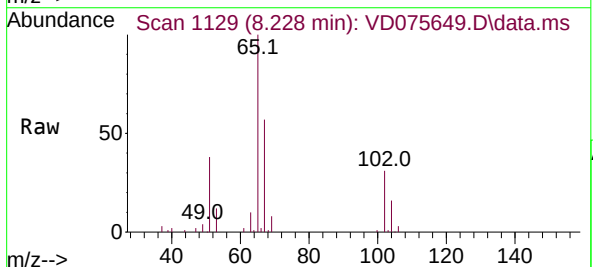
Instrument :
MSVOA_D
ClientSampleId :
E9074-BAYS-001

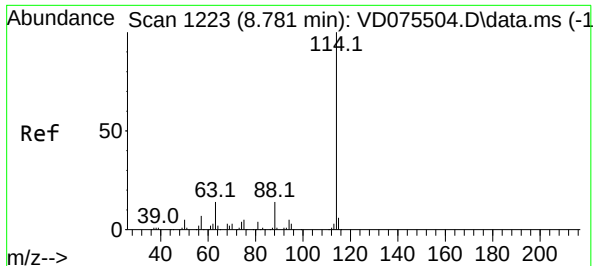
Tgt Ion:168 Resp: 194298
Ion Ratio Lower Upper
168 100
99 51.8 43.8 65.6



#33
1,2-Dichloroethane-d4
Concen: 64.268 ug/l
RT: 8.228 min Scan# 1129
Delta R.T. -0.000 min
Lab File: VD075649.D
Acq: 12 Apr 2023 19:46

Tgt Ion: 65 Resp: 102439
Ion Ratio Lower Upper
65 100
67 56.3 0.0 102.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 11

Delta R.T. -0.006 min

Lab File: VD075649.D

Acq: 12 Apr 2023 19:46

Instrument :

MSVOA_D

ClientSampleId :

E9074-BAYS-001

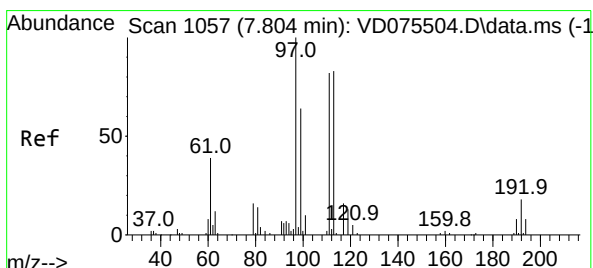
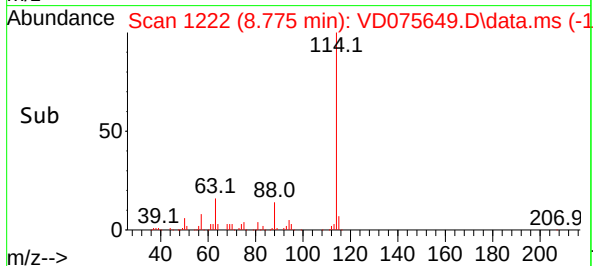
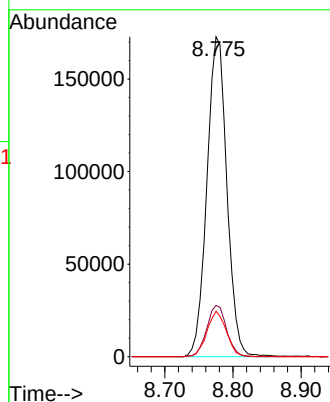
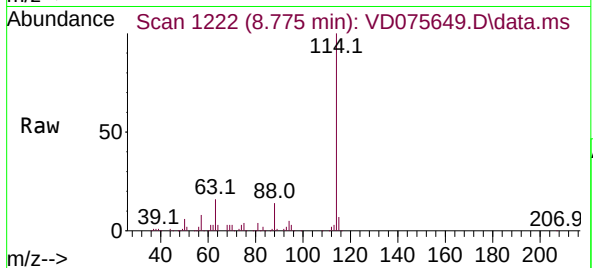
Tgt Ion:114 Resp: 352476

Ion Ratio Lower Upper

114 100

63 16.0 0.0 41.6

88 14.2 0.0 30.6



#35

Dibromofluoromethane

Concen: 64.740 ug/l

RT: 7.804 min Scan# 1057

Delta R.T. -0.001 min

Lab File: VD075649.D

Acq: 12 Apr 2023 19:46

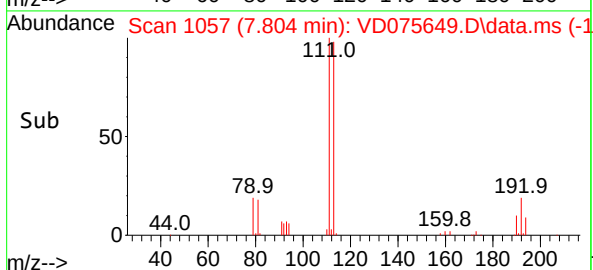
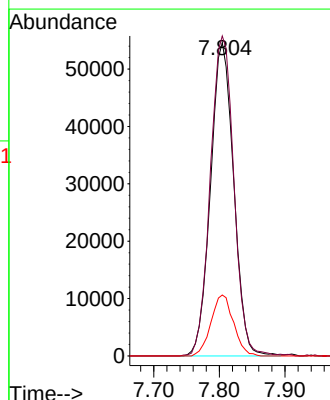
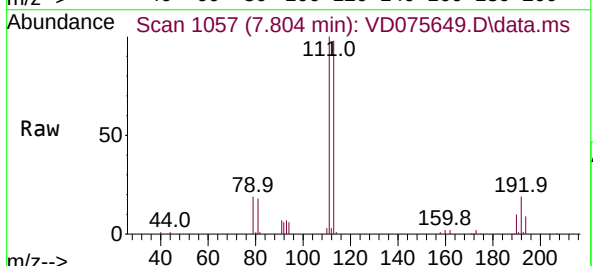
Tgt Ion:113 Resp: 133734

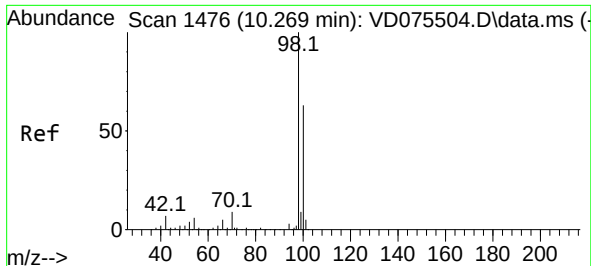
Ion Ratio Lower Upper

113 100

111 103.7 81.4 122.0

192 18.9 15.2 22.8

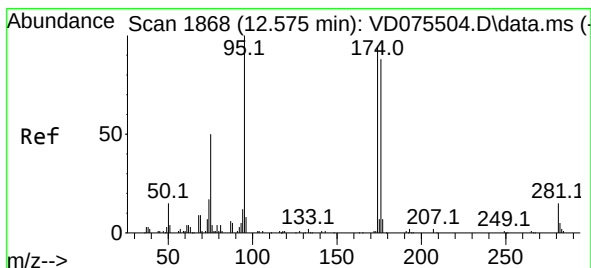
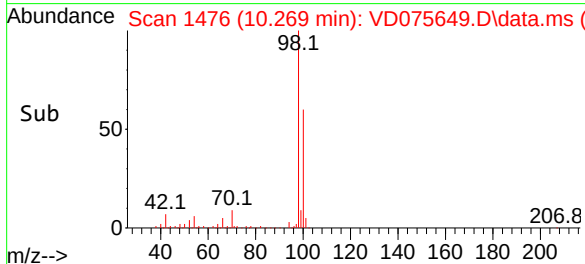
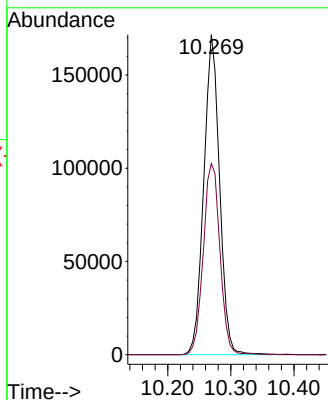
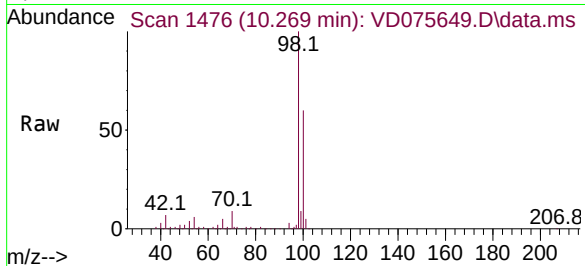




#50
Toluene-d8
Concen: 36.833 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD075649.D
Acq: 12 Apr 2023 19:46

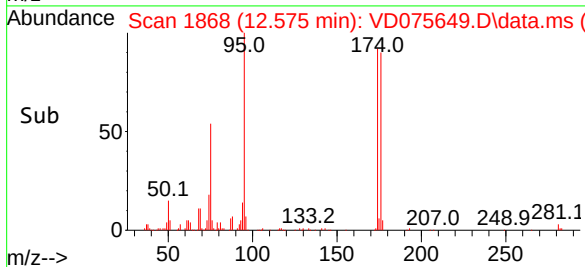
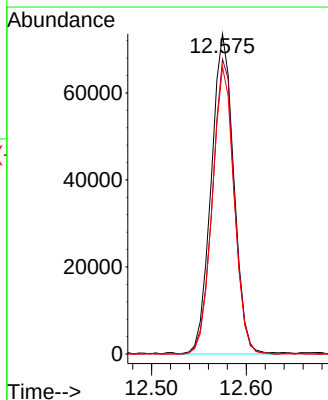
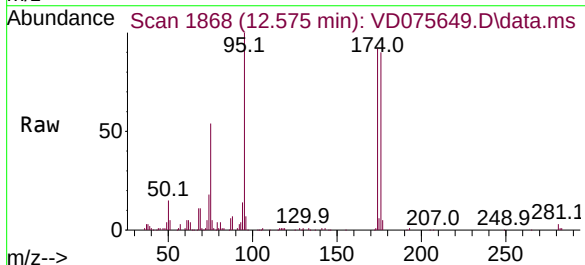
Instrument :
MSVOA_D
ClientSampleId :
E9074-BAYS-001

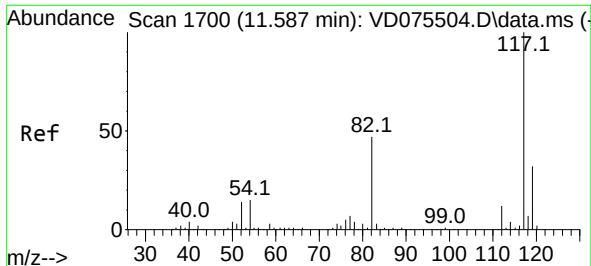
Tgt Ion: 98 Resp: 298437
Ion Ratio Lower Upper
98 100
100 63.0 52.1 78.1



#62
4-Bromofluorobenzene
Concen: 51.034 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD075649.D
Acq: 12 Apr 2023 19:46

Tgt Ion: 95 Resp: 121650
Ion Ratio Lower Upper
95 100
174 89.5 0.0 164.0
176 86.5 0.0 156.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.581 min Scan# 1

Delta R.T. -0.006 min

Lab File: VD075649.D

Acq: 12 Apr 2023 19:46

Instrument :

MSVOA_D

ClientSampleId :

E9074-BAYS-001

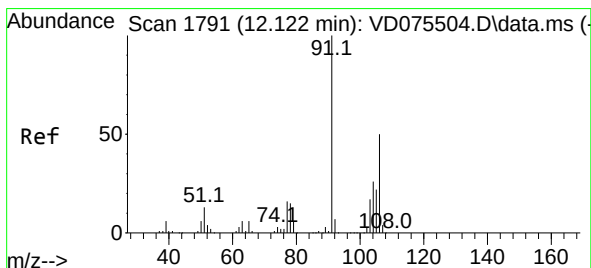
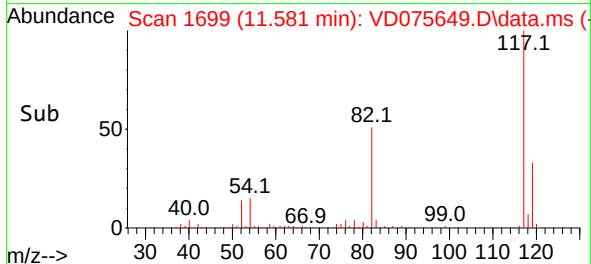
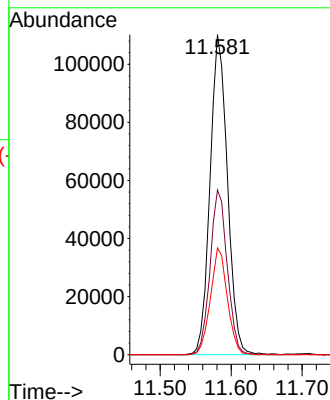
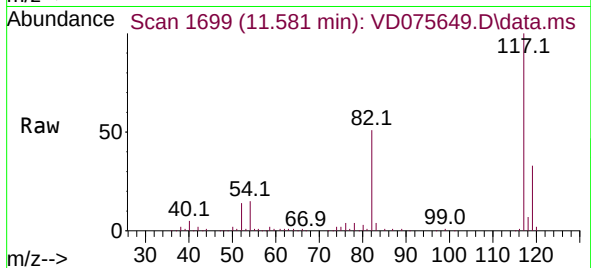
Tgt Ion:117 Resp: 187454

Ion Ratio Lower Upper

117 100

82 51.5 44.0 66.0

119 33.3 25.1 37.7



#69

o-Xylene

Concen: 1.499 ug/l

RT: 12.122 min Scan# 1791

Delta R.T. -0.000 min

Lab File: VD075649.D

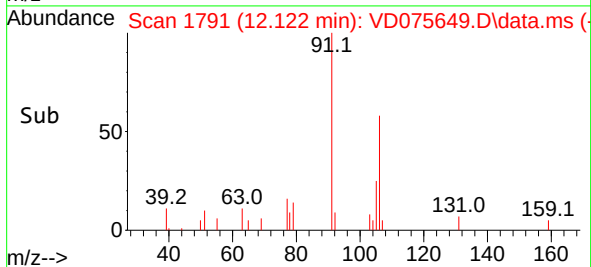
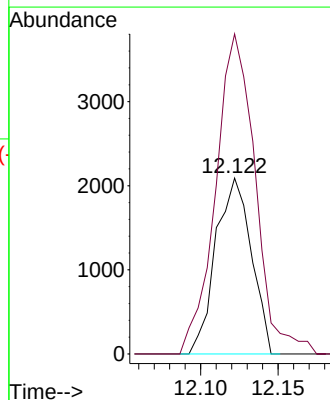
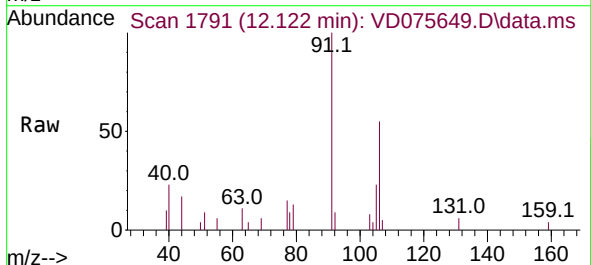
Acq: 12 Apr 2023 19:46

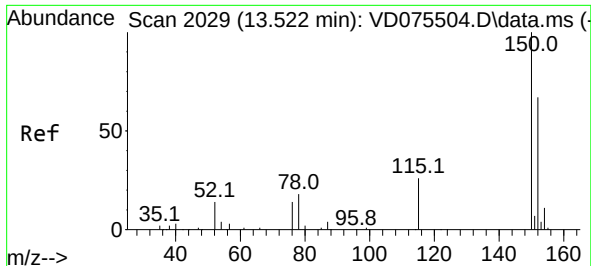
Tgt Ion:106 Resp: 3337

Ion Ratio Lower Upper

106 100

91 202.9 105.7 317.1

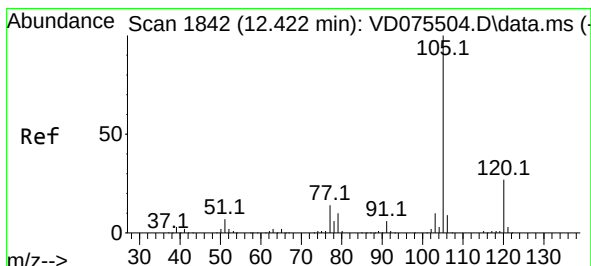
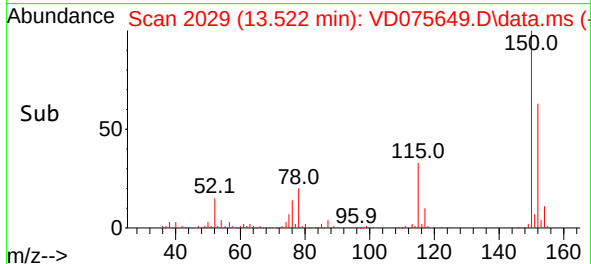
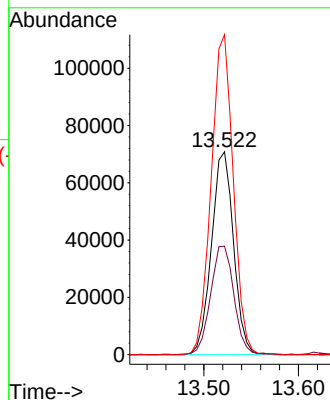
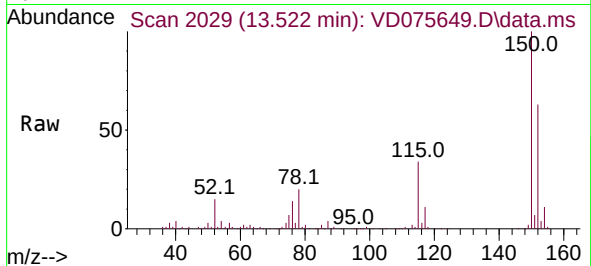




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.522 min Scan# 2029
Delta R.T. -0.000 min
Lab File: VD075649.D
Acq: 12 Apr 2023 19:46

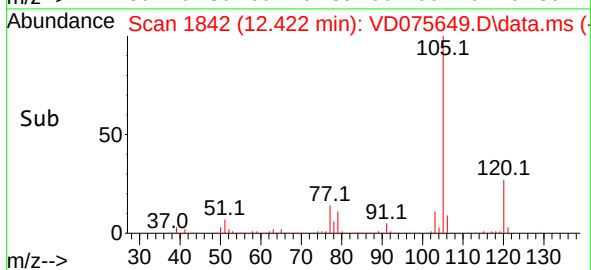
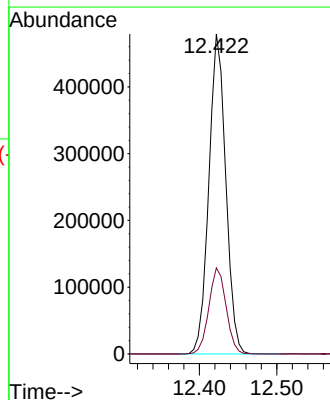
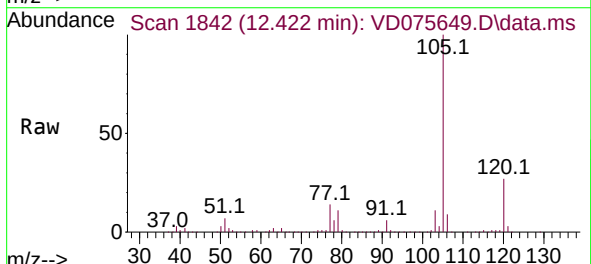
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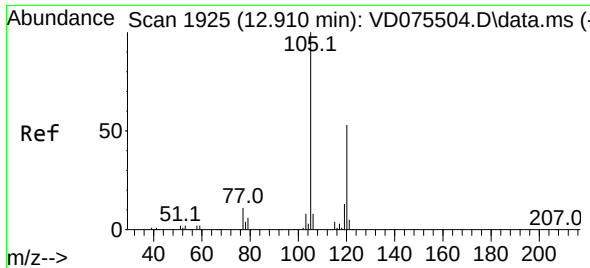
Tgt Ion:152 Resp: 114853
Ion Ratio Lower Upper
152 100
115 56.8 30.1 90.3
150 157.7 0.0 364.8



#73
Isopropylbenzene
Concen: 101.859 ug/l
RT: 12.422 min Scan# 1842
Delta R.T. -0.000 min
Lab File: VD075649.D
Acq: 12 Apr 2023 19:46

Tgt Ion:105 Resp: 725966
Ion Ratio Lower Upper
105 100
120 27.4 13.4 40.1

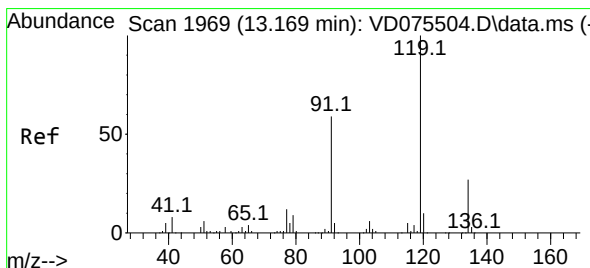
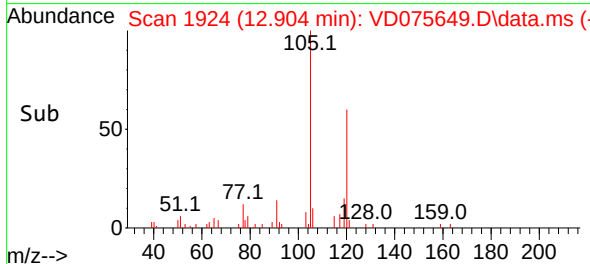
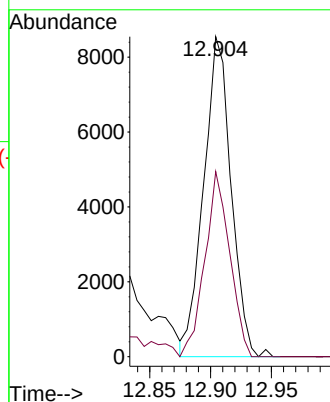
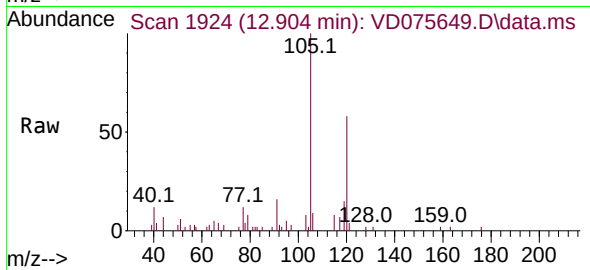




#80
1,3,5-Trimethylbenzene
Concen: 2.303 ug/l
RT: 12.904 min Scan# 1924
Delta R.T. -0.006 min
Lab File: VD075649.D
Acq: 12 Apr 2023 19:46

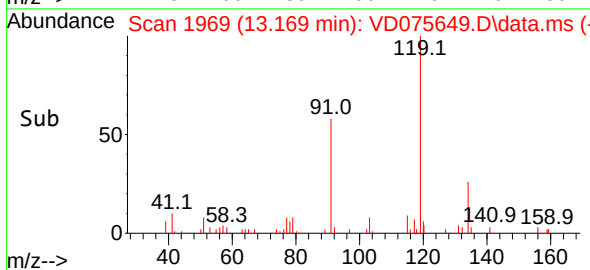
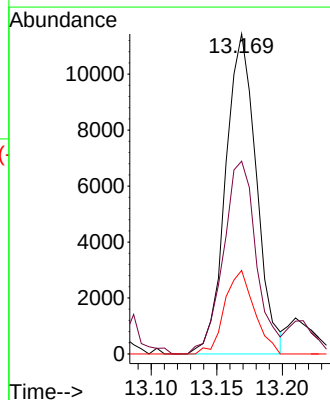
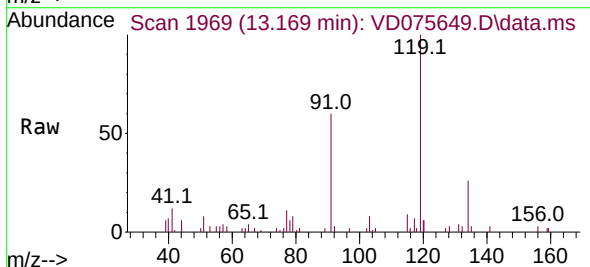
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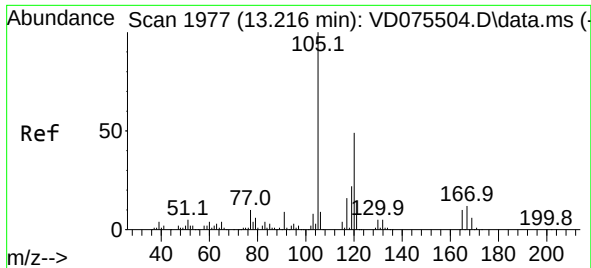
Tgt Ion:105 Resp: 13440
Ion Ratio Lower Upper
105 100
120 52.4 24.3 72.8



#83
tert-Butylbenzene
Concen: 3.687 ug/l
RT: 13.169 min Scan# 1969
Delta R.T. -0.000 min
Lab File: VD075649.D
Acq: 12 Apr 2023 19:46

Tgt Ion:119 Resp: 18687
Ion Ratio Lower Upper
119 100
91 64.5 32.4 97.0
134 25.1 13.0 39.0





#84
 1,2,4-Trimethylbenzene
 Concen: 2.223 ug/l
 RT: 13.216 min Scan# 1977
 Delta R.T. -0.000 min
 Lab File: VD075649.D
 Acq: 12 Apr 2023 19:46

Instrument :
 MSVOA_D
 ClientSampleId :
 E9074-BAYS-001

Tgt Ion:105 Resp: 13106
 Ion Ratio Lower Upper
 105 100
 120 48.6 22.3 66.9

