

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD052623\
 Data File : VD076264.D
 Acq On : 26 May 2023 18:09
 Operator : KP/SY
 Sample : 02888-03
 Misc : 5.09G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 FS-SB-20(ELEV-28-26)

Quant Time: May 26 23:17:00 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051523S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 16 10:08:53 2023
 Response via : Initial Calibration

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

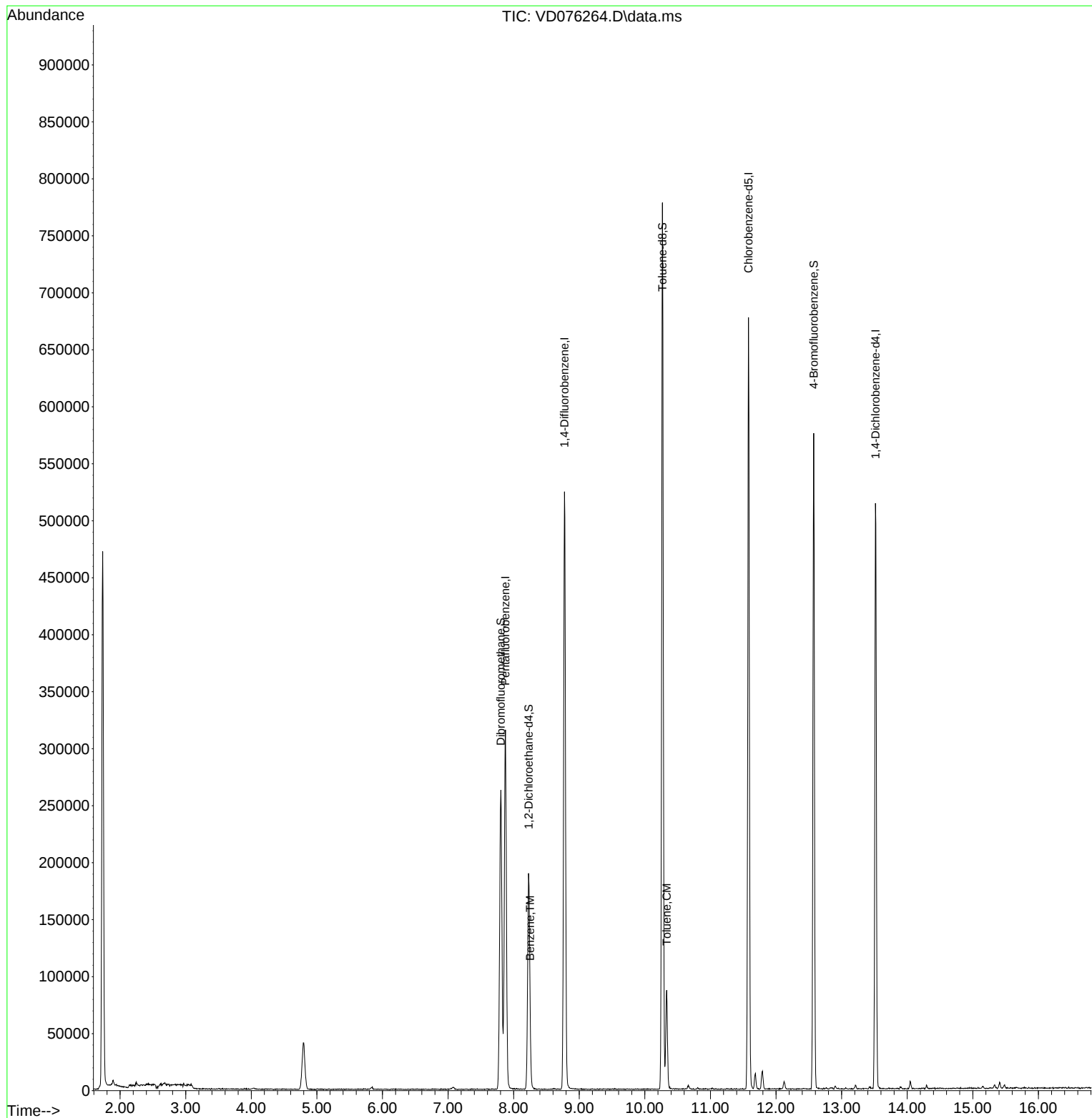
Internal Standards						
1) Pentafluorobenzene	7.875	168	253299	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	501606	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	414881	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	152392	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	137277	56.076	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	112.160%
35) Dibromofluoromethane	7.804	113	196056	56.546	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	113.100%
50) Toluene-d8	10.269	98	553491	40.951	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	81.900%
62) 4-Bromofluorobenzene	12.575	95	175622	46.776	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	93.560%
Target Compounds						
						Qvalue
40) Benzene	8.252	78	20114	1.336	ug/l	94
52) Toluene	10.334	92	37248	3.961	ug/l	93

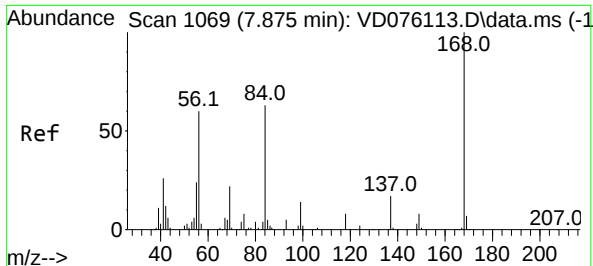
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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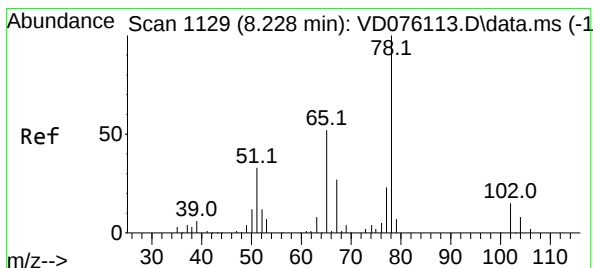
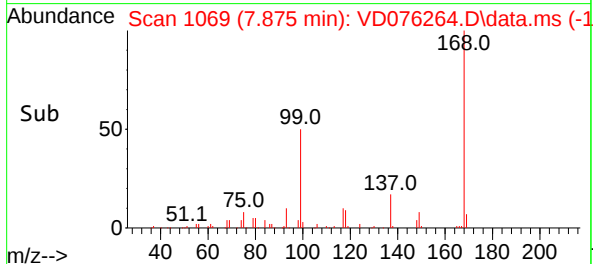
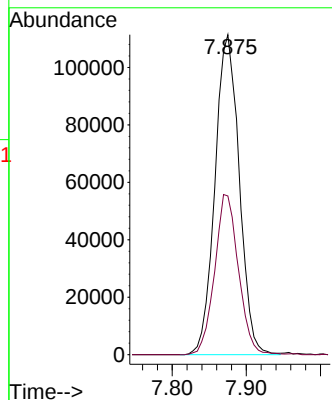
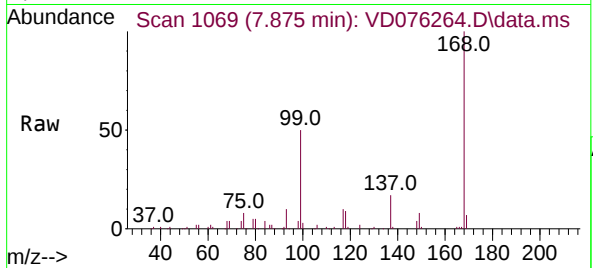




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD076264.D
Acq: 26 May 2023 18:09

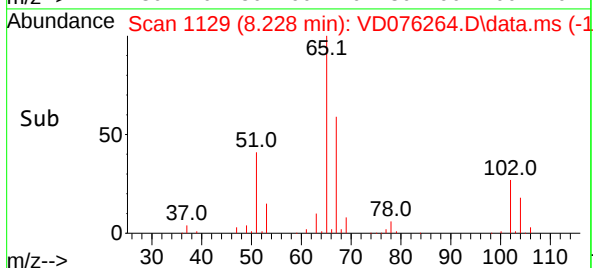
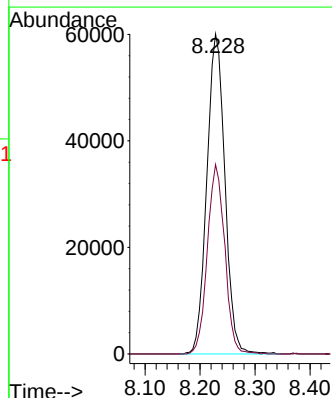
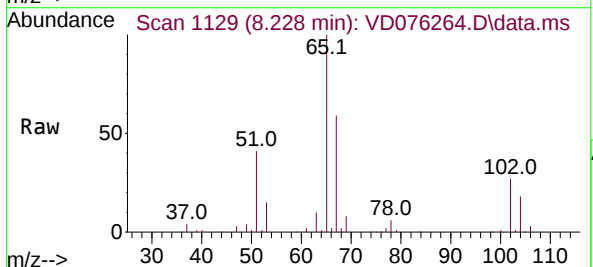
Instrument :
MSVOA_D
ClientSampleId :
FS-SB-20(ELEV-28-26)

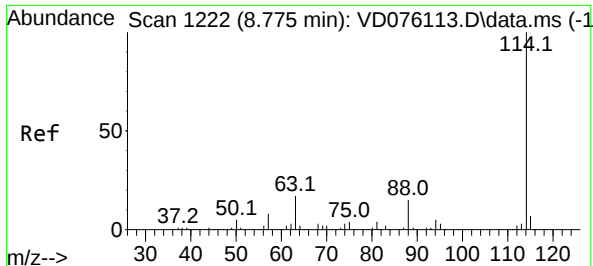
Tgt Ion:168 Resp: 253299
Ion Ratio Lower Upper
168 100
99 49.6 43.8 65.6



#33
1,2-Dichloroethane-d4
Concen: 56.076 ug/l
RT: 8.228 min Scan# 1129
Delta R.T. -0.006 min
Lab File: VD076264.D
Acq: 26 May 2023 18:09

Tgt Ion: 65 Resp: 137277
Ion Ratio Lower Upper
65 100
67 57.0 0.0 102.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 1

Delta R.T. 0.000 min

Lab File: VD076264.D

Acq: 26 May 2023 18:09

Instrument :

MSVOA_D

ClientSampleId :

FS-SB-20(ELEV-28-26)

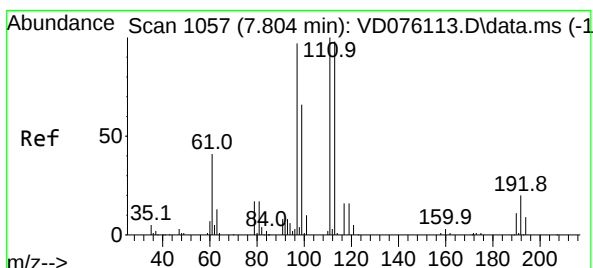
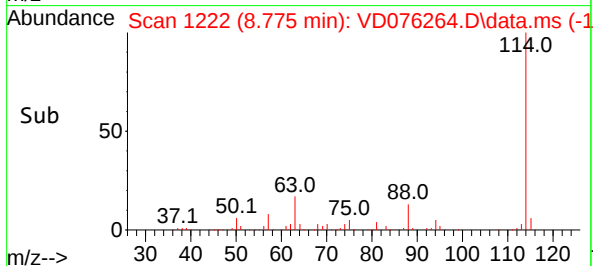
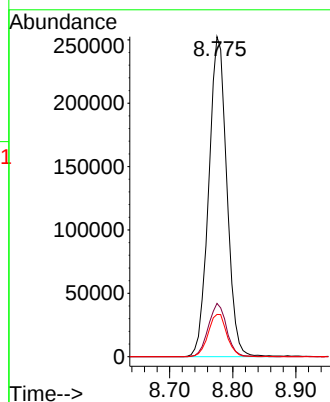
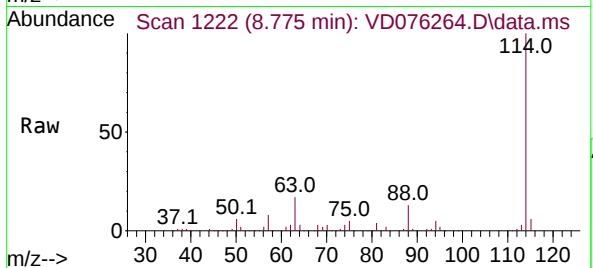
Tgt Ion:114 Resp: 501606

Ion Ratio Lower Upper

114 100

63 16.6 0.0 41.6

88 13.2 0.0 30.6



#35

Dibromofluoromethane

Concen: 56.546 ug/l

RT: 7.804 min Scan# 1057

Delta R.T. -0.001 min

Lab File: VD076264.D

Acq: 26 May 2023 18:09

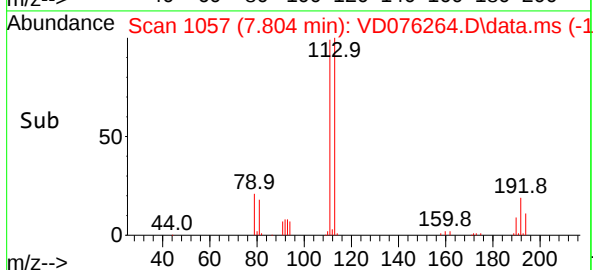
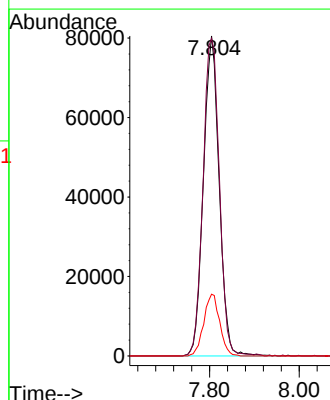
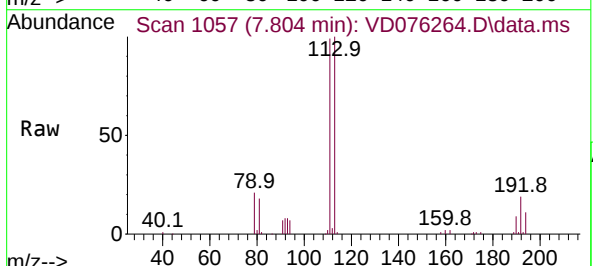
Tgt Ion:113 Resp: 196056

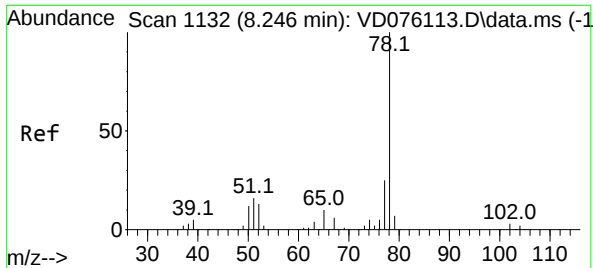
Ion Ratio Lower Upper

113 100

111 102.9 81.4 122.0

192 19.5 15.2 22.8

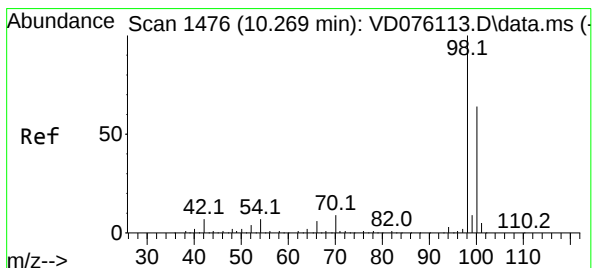
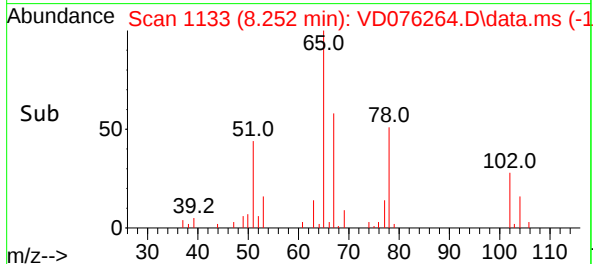
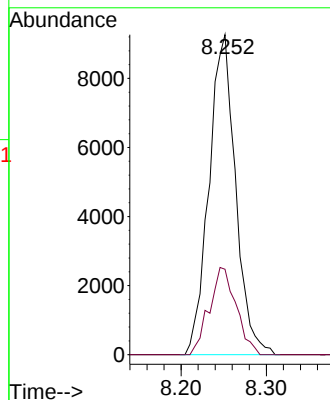
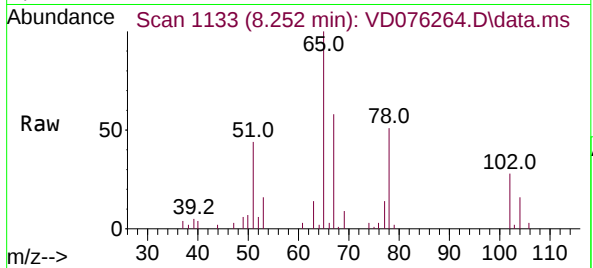




#40
Benzene
Concen: 1.336 ug/l
RT: 8.252 min Scan# 1133
Delta R.T. -0.001 min
Lab File: VD076264.D
Acq: 26 May 2023 18:09

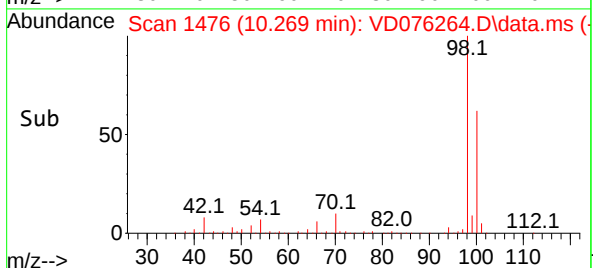
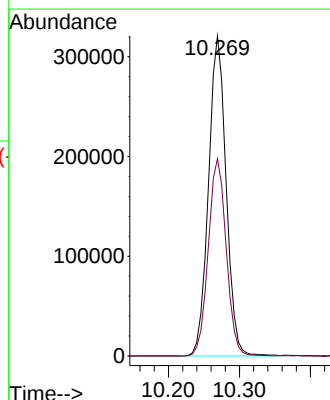
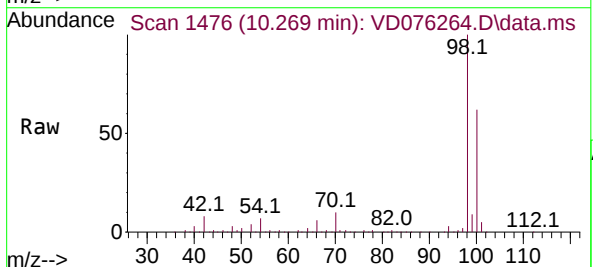
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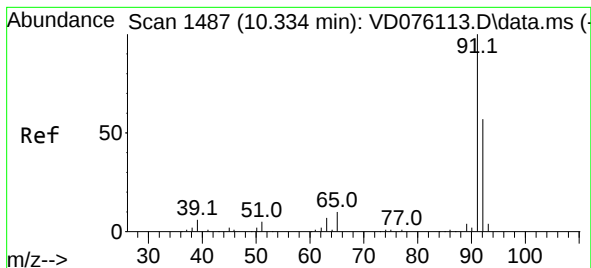
Tgt Ion: 78 Resp: 20114
Ion Ratio Lower Upper
78 100
77 26.7 19.1 28.7



#50
Toluene-d8
Concen: 40.951 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD076264.D
Acq: 26 May 2023 18:09

Tgt Ion: 98 Resp: 553491
Ion Ratio Lower Upper
98 100
100 62.9 52.1 78.1





#52

Toluene

Concen: 3.961 ug/l

RT: 10.334 min Scan# 1487

Delta R.T. -0.000 min

Lab File: VD076264.D

Acq: 26 May 2023 18:09

Instrument :

MSVOA_D

ClientSampleId :

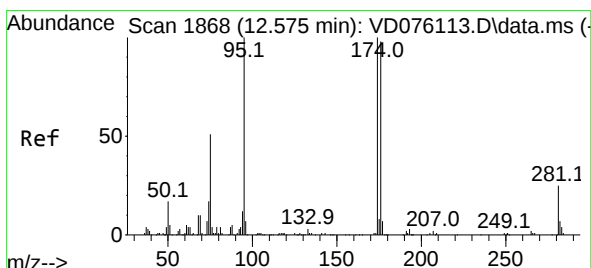
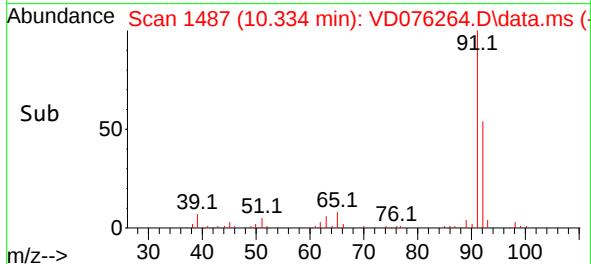
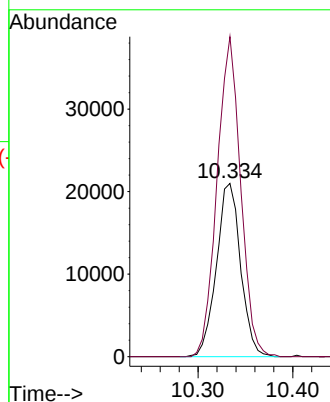
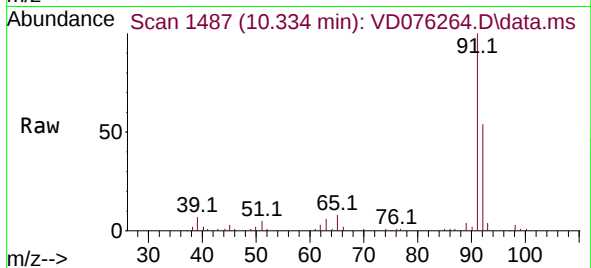
FS-SB-20(ELEV-28-26)

Tgt Ion: 92 Resp: 37248

Ion Ratio Lower Upper

92 100

91 180.2 136.5 204.7



#62

4-Bromofluorobenzene

Concen: 46.776 ug/l

RT: 12.575 min Scan# 1868

Delta R.T. -0.000 min

Lab File: VD076264.D

Acq: 26 May 2023 18:09

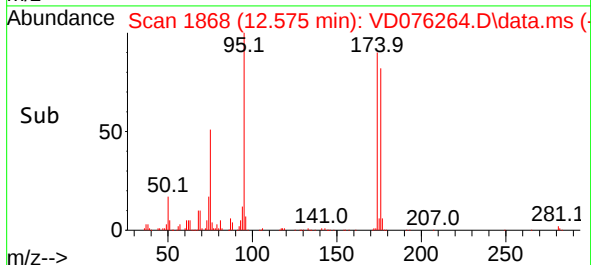
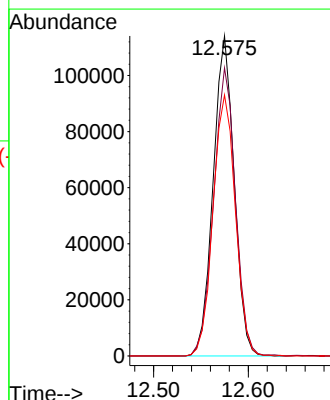
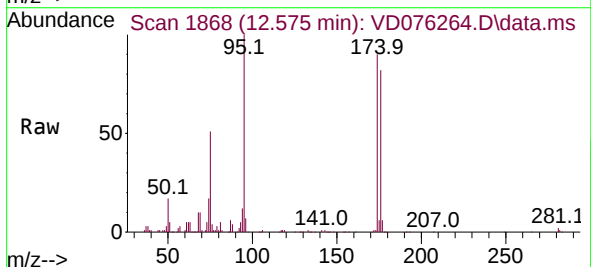
Tgt Ion: 95 Resp: 175622

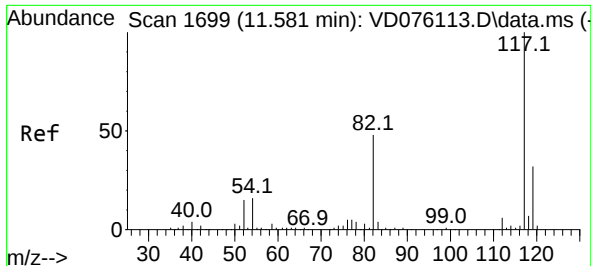
Ion Ratio Lower Upper

95 100

174 93.6 0.0 164.0

176 87.1 0.0 156.8

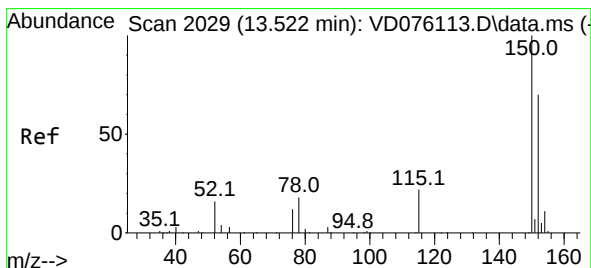
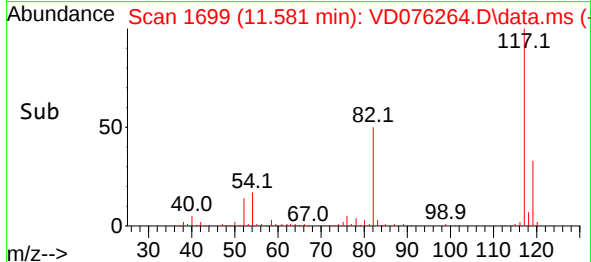
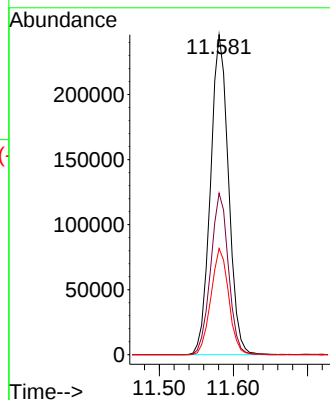
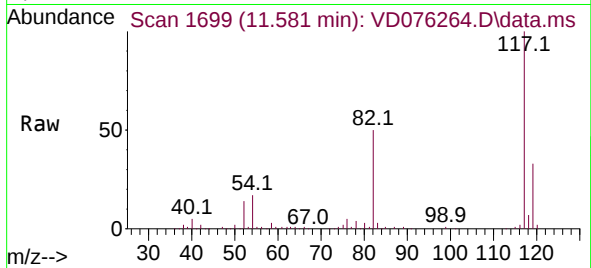




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 117
Delta R.T. -0.000 min
Lab File: VD076264.D
Acq: 26 May 2023 18:09

Instrument :
MSVOA_D
ClientSampleId :
FS-SB-20(ELEV-28-26)

Tgt Ion:117 Resp: 414881
Ion Ratio Lower Upper
117 100
82 50.4 44.0 66.0
119 33.2 25.1 37.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 2028
Delta R.T. -0.006 min
Lab File: VD076264.D
Acq: 26 May 2023 18:09

Tgt Ion:152 Resp: 152392
Ion Ratio Lower Upper
152 100
115 51.6 30.1 90.3
150 155.7 0.0 364.8

