

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD071723\
 Data File : VD076751.D
 Acq On : 17 Jul 2023 13:36
 Operator : KP/SY
 Sample : 03645-01
 Misc : 6.45G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-02-(3-5)

Quant Time: Jul 18 01:23:01 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)

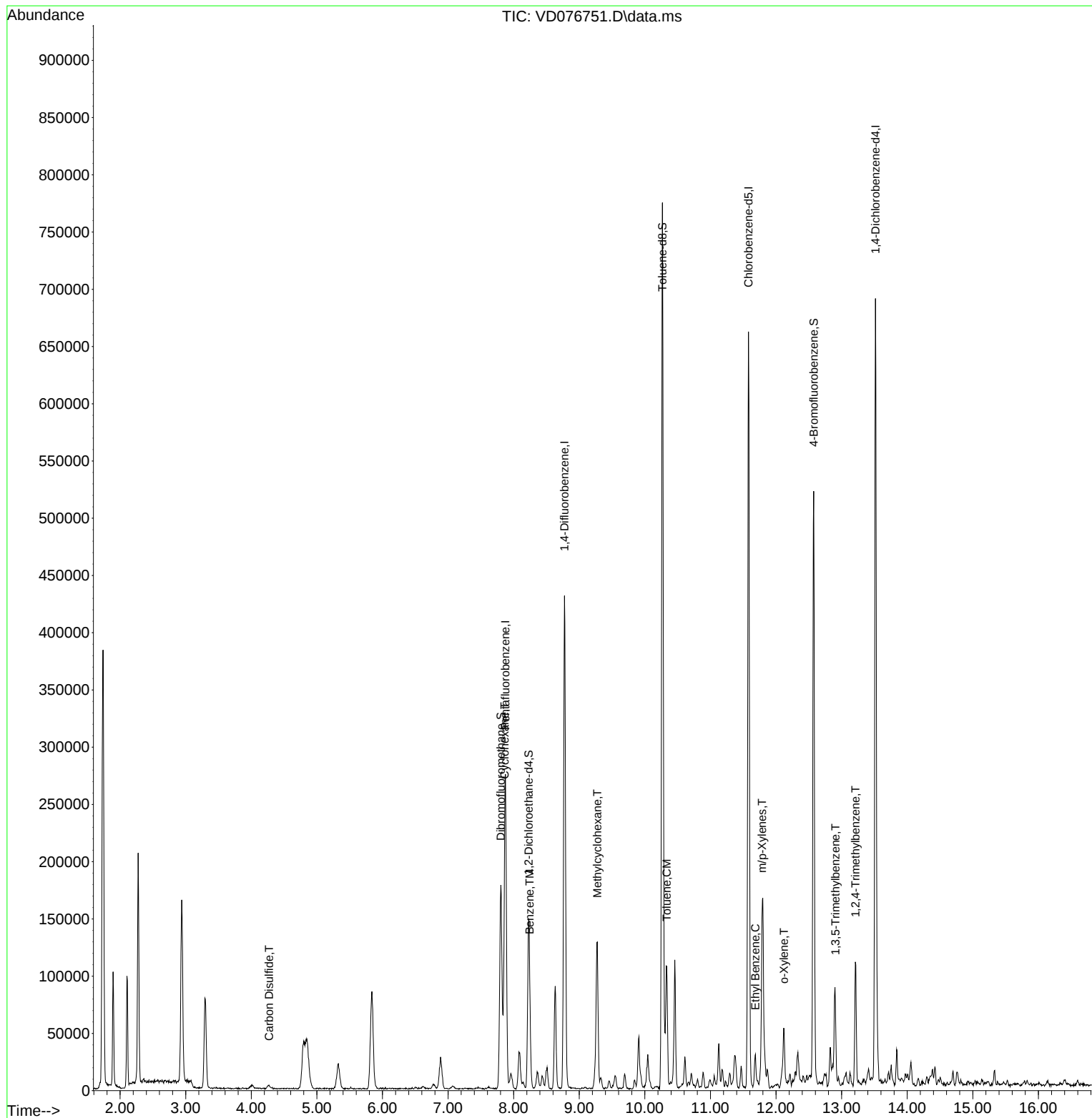
Internal Standards						
1) Pentafluorobenzene	7.875	168	185224	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	404206	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	400992	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	187559	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	105337	57.097	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	114.200%
35) Dibromofluoromethane	7.805	113	134728	53.041	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	106.080%
50) Toluene-d8	10.269	98	502335	55.282	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	110.560%
62) 4-Bromofluorobenzene	12.575	95	162163	55.166	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	110.340%
Target Compounds						
					Qvalue	
17) Carbon Disulfide	4.269	76	6642	1.554	ug/l #	94
31) Cyclohexane	7.863	56	25902	9.540	ug/l #	83
39) Methylcyclohexane	9.275	83	57287	14.948	ug/l	95
40) Benzene	8.246	78	22261	2.126	ug/l	93
52) Toluene	10.334	92	48497	7.051	ug/l	93
67) Ethyl Benzene	11.687	91	19318	1.364	ug/l	91
68) m/p-Xylenes	11.787	106	41076	7.551	ug/l	91
69) o-Xylene	12.122	106	13910	2.644	ug/l	97
80) 1,3,5-Trimethylbenzene	12.904	105	20323	1.847	ug/l	99
84) 1,2,4-Trimethylbenzene	13.210	105	60977	5.423	ug/l	96

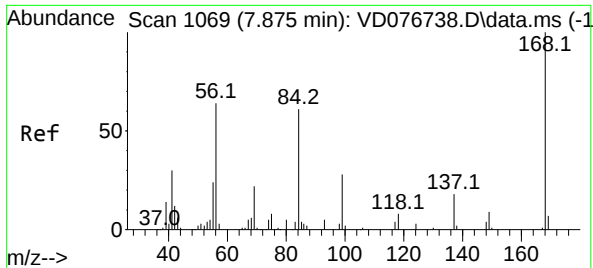
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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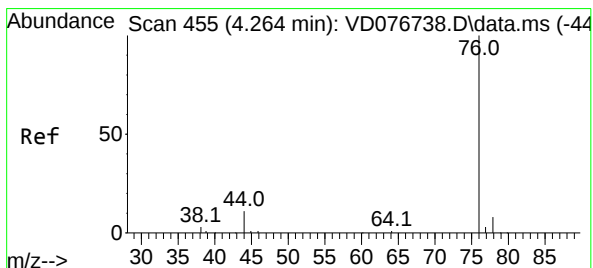
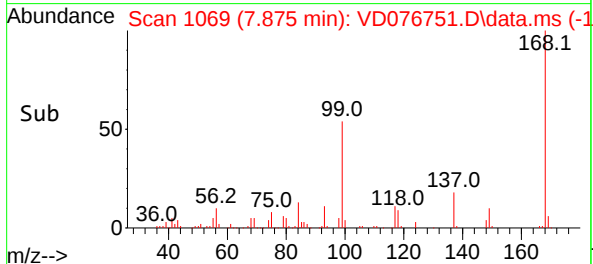
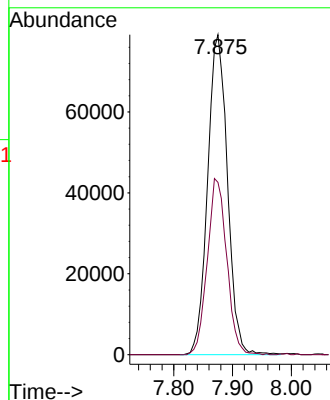
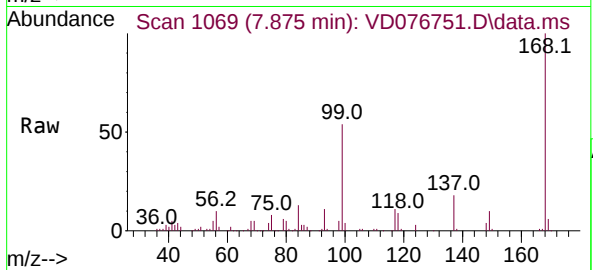




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD076751.D
Acq: 17 Jul 2023 13:36

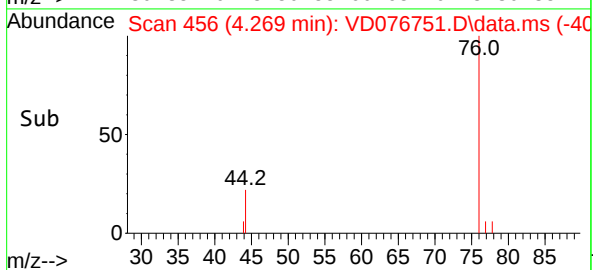
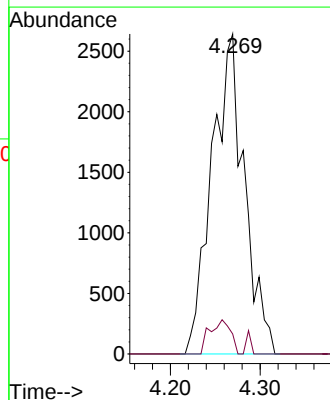
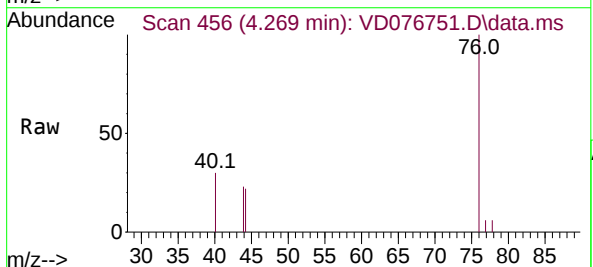
Instrument :
MSVOA_D
ClientSampleId :
SB-02-(3-5)

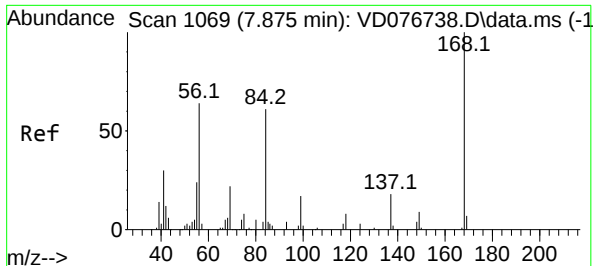
Tgt Ion:168 Resp: 185224
Ion Ratio Lower Upper
168 100
99 53.8 36.7 55.1



#17
Carbon Disulfide
Concen: 1.554 ug/l
RT: 4.269 min Scan# 456
Delta R.T. 0.005 min
Lab File: VD076751.D
Acq: 17 Jul 2023 13:36

Tgt Ion: 76 Resp: 6642
Ion Ratio Lower Upper
76 100
78 6.3 6.8 10.2#

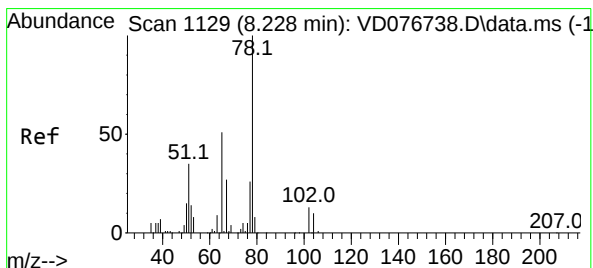
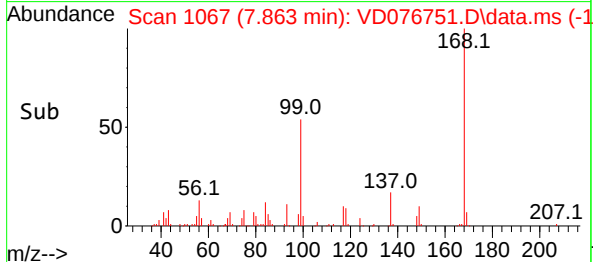
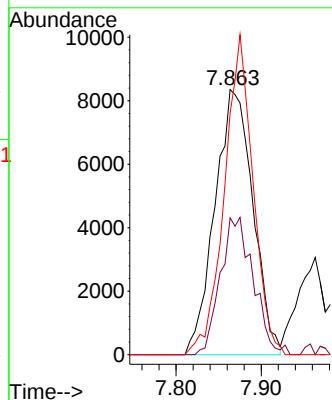
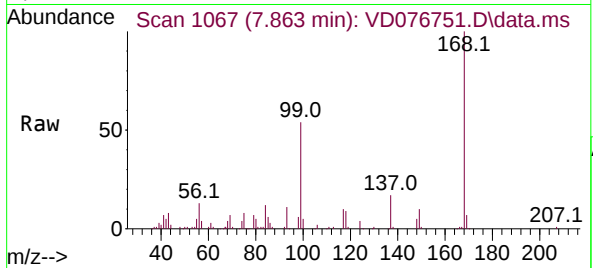




#31
Cyclohexane
Concen: 9.540 ug/l
RT: 7.863 min Scan# 1067
Delta R.T. -0.012 min
Lab File: VD076751.D
Acq: 17 Jul 2023 13:36

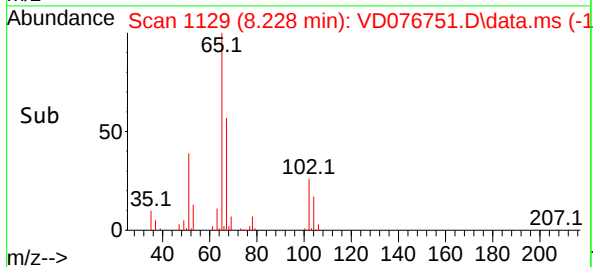
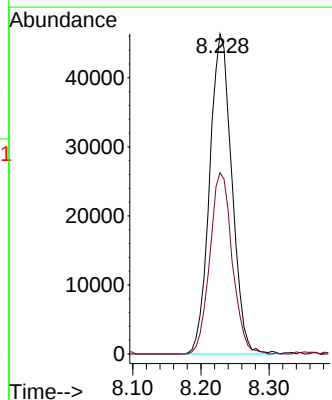
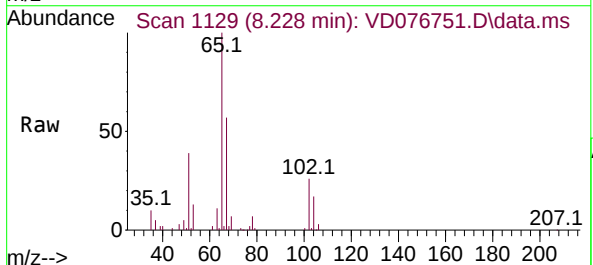
Instrument :
MSVOA_D
ClientSampleId :
SB-02-(3-5)

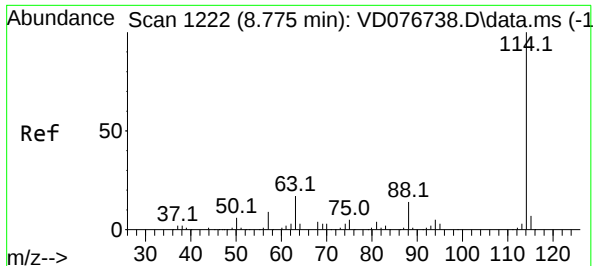
Tgt Ion: 56 Resp: 25902
Ion Ratio Lower Upper
56 100
69 51.6 28.6 43.0#
84 91.2 84.8 127.2



#33
1,2-Dichloroethane-d4
Concen: 57.097 ug/l
RT: 8.228 min Scan# 1129
Delta R.T. -0.000 min
Lab File: VD076751.D
Acq: 17 Jul 2023 13:36

Tgt Ion: 65 Resp: 105337
Ion Ratio Lower Upper
65 100
67 57.1 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: VD076751.D

Acq: 17 Jul 2023 13:36

Instrument :

MSVOA_D

ClientSampleId :

SB-02-(3-5)

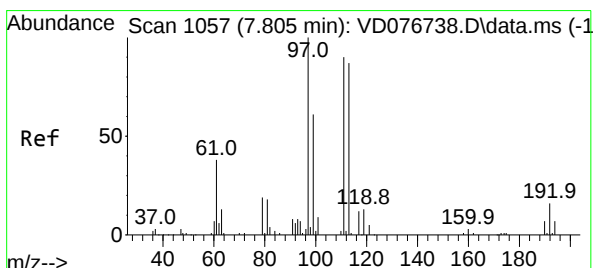
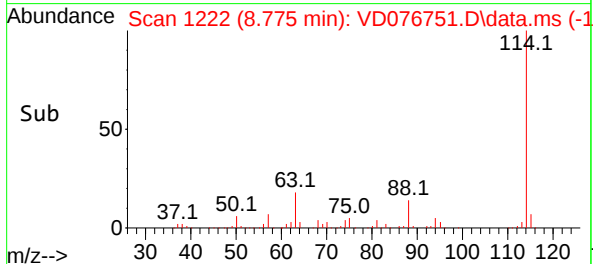
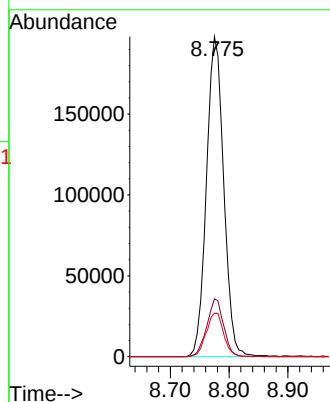
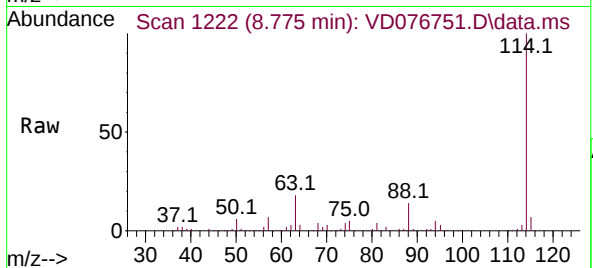
Tgt Ion:114 Resp: 404206

Ion Ratio Lower Upper

114 100

63 18.1 0.0 33.4

88 13.6 0.0 26.2



#35

Dibromofluoromethane

Concen: 53.041 ug/l

RT: 7.805 min Scan# 1057

Delta R.T. -0.000 min

Lab File: VD076751.D

Acq: 17 Jul 2023 13:36

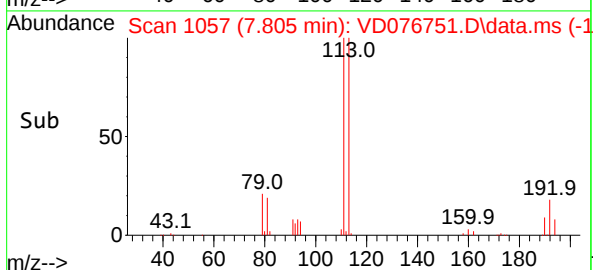
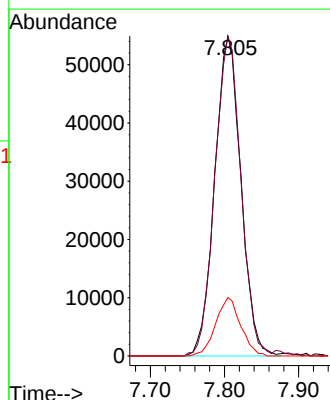
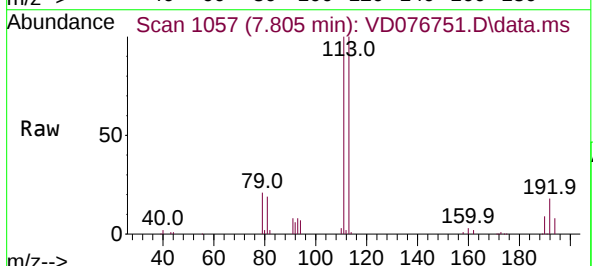
Tgt Ion:113 Resp: 134728

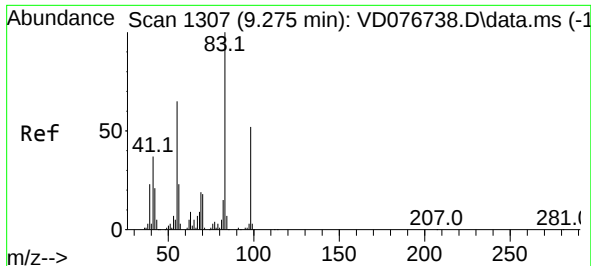
Ion Ratio Lower Upper

113 100

111 99.4 84.7 127.1

192 17.4 16.8 25.2





#39

Methylcyclohexane

Concen: 14.948 ug/l

RT: 9.275 min Scan# 11307

Delta R.T. 0.000 min

Lab File: VD076751.D

Acq: 17 Jul 2023 13:36

Instrument :

MSVOA_D

ClientSampleId :

SB-02-(3-5)

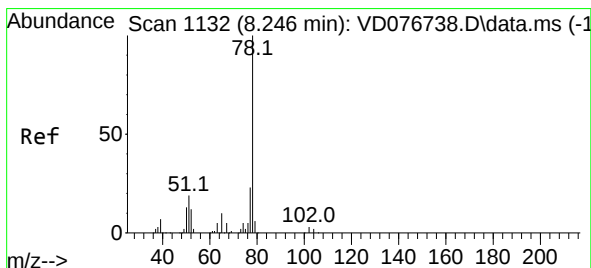
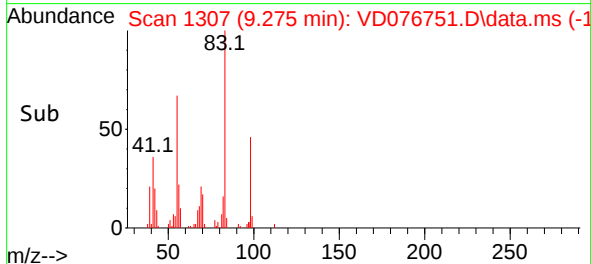
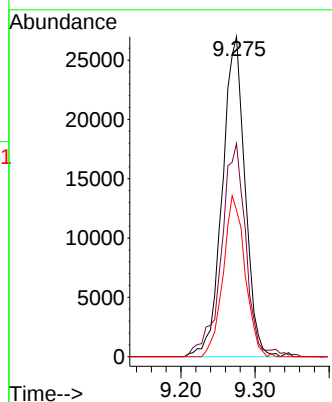
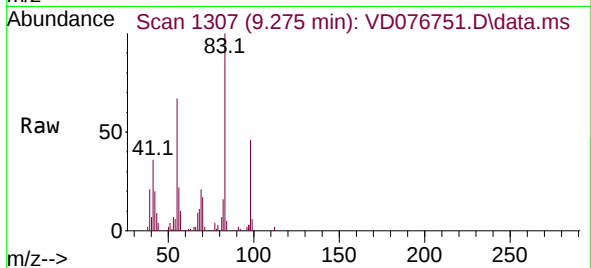
Tgt Ion: 83 Resp: 57287

Ion Ratio Lower Upper

83 100

55 66.6 49.4 74.0

98 45.8 38.4 57.6



#40

Benzene

Concen: 2.126 ug/l

RT: 8.246 min Scan# 1132

Delta R.T. -0.000 min

Lab File: VD076751.D

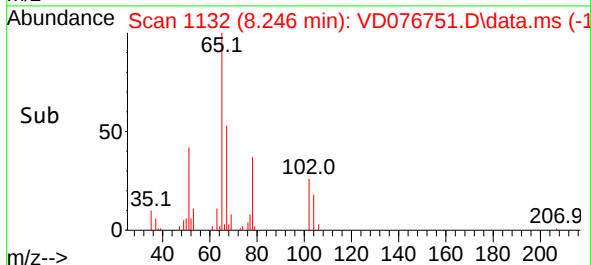
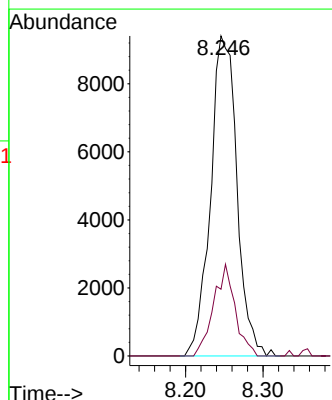
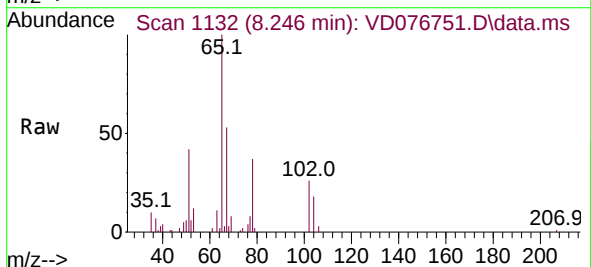
Acq: 17 Jul 2023 13:36

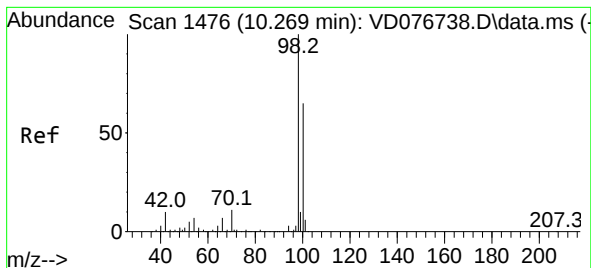
Tgt Ion: 78 Resp: 22261

Ion Ratio Lower Upper

78 100

77 20.9 19.4 29.0





#50

Toluene-d8

Concen: 55.282 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. 0.000 min

Lab File: VD076751.D

Acq: 17 Jul 2023 13:36

Instrument :

MSVOA_D

ClientSampleId :

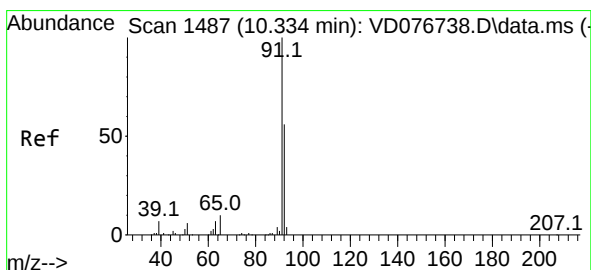
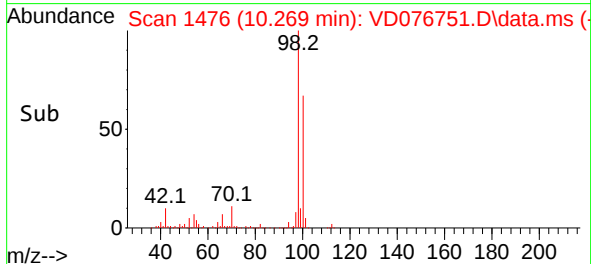
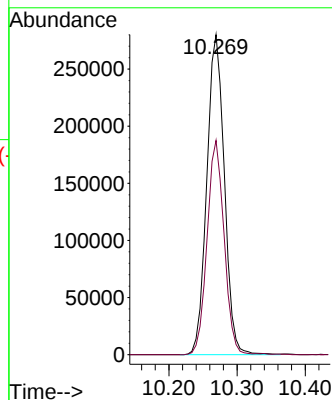
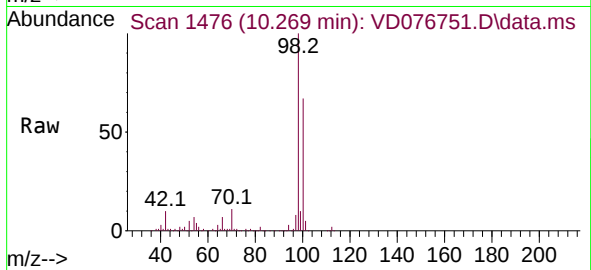
SB-02-(3-5)

Tgt Ion: 98 Resp: 502335

Ion Ratio Lower Upper

98 100

100 65.0 50.3 75.5



#52

Toluene

Concen: 7.051 ug/l

RT: 10.334 min Scan# 1487

Delta R.T. -0.000 min

Lab File: VD076751.D

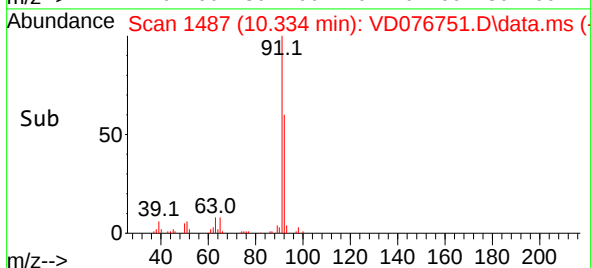
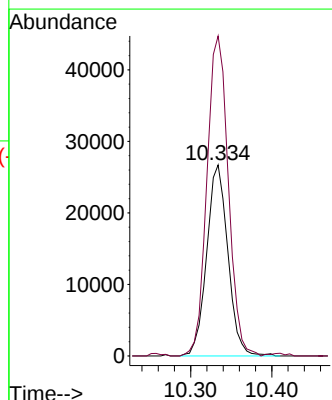
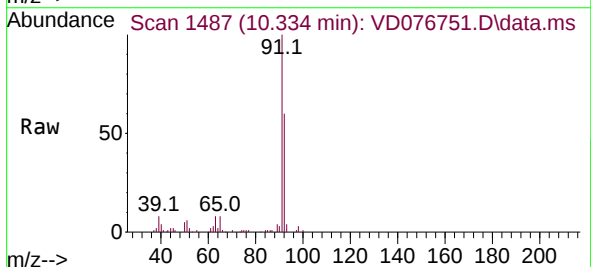
Acq: 17 Jul 2023 13:36

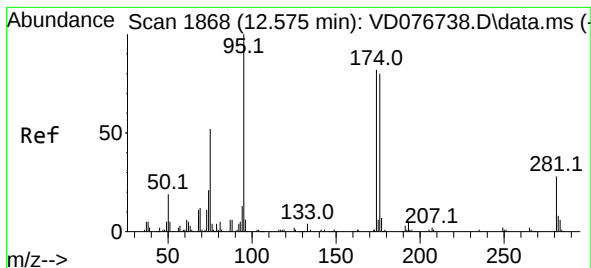
Tgt Ion: 92 Resp: 48497

Ion Ratio Lower Upper

92 100

91 168.6 143.0 214.4

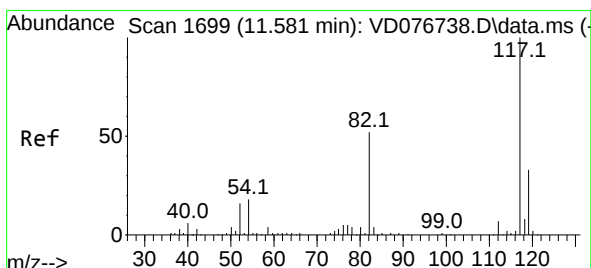
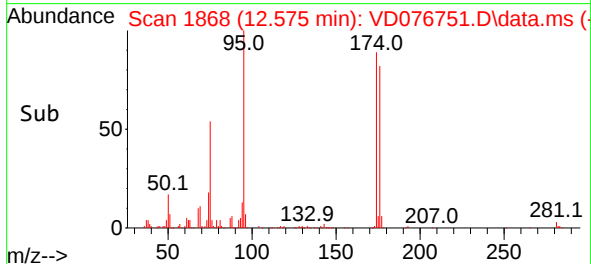
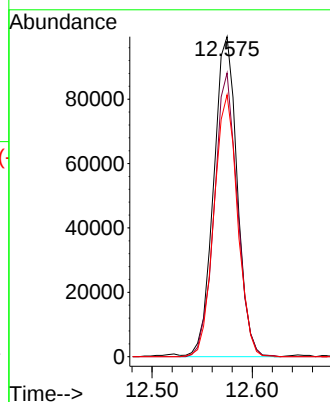
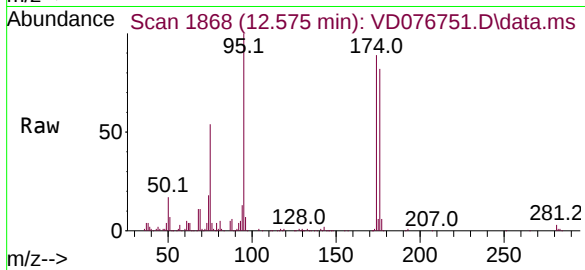




#62
4-Bromofluorobenzene
Concen: 55.166 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD076751.D
Acq: 17 Jul 2023 13:36

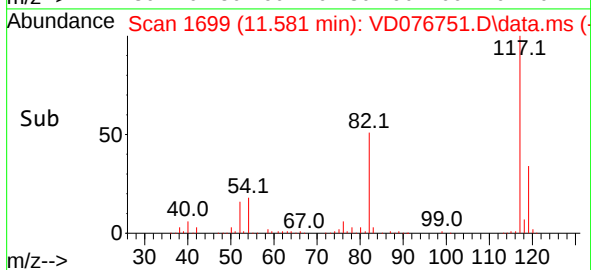
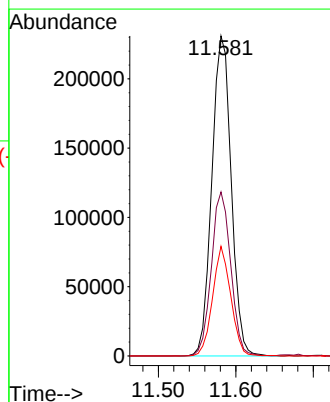
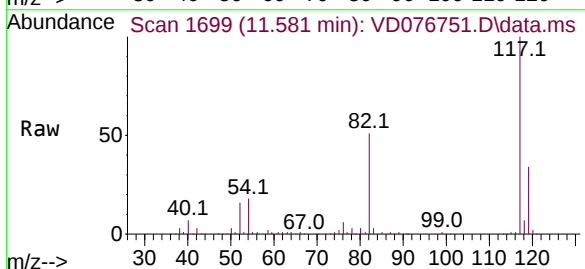
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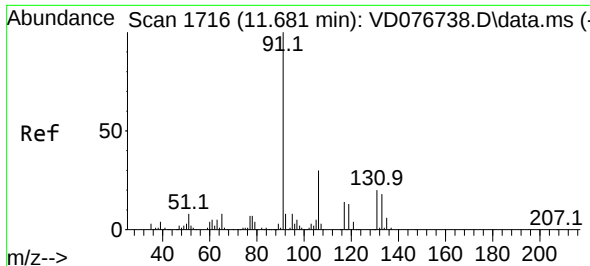
Tgt Ion: 95 Resp: 162163
Ion Ratio Lower Upper
95 100
174 86.3 0.0 201.8
176 81.8 0.0 191.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. -0.000 min
Lab File: VD076751.D
Acq: 17 Jul 2023 13:36

Tgt Ion: 117 Resp: 400992
Ion Ratio Lower Upper
117 100
82 51.2 38.3 57.5
119 34.2 25.0 37.4





#67

Ethyl Benzene

Concen: 1.364 ug/l

RT: 11.687 min Scan# 1716

Delta R.T. 0.006 min

Lab File: VD076751.D

Acq: 17 Jul 2023 13:36

Instrument :

MSVOA_D

ClientSampleId :

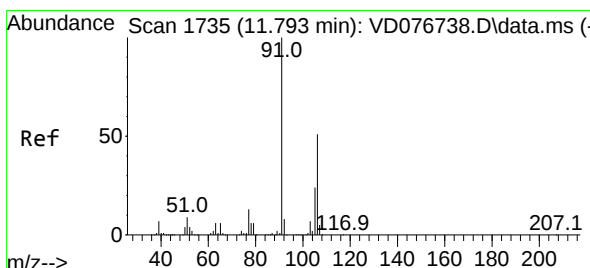
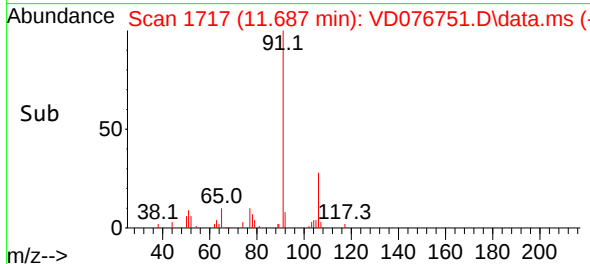
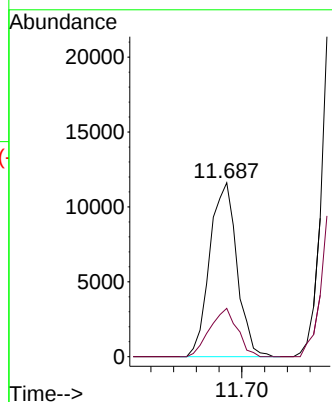
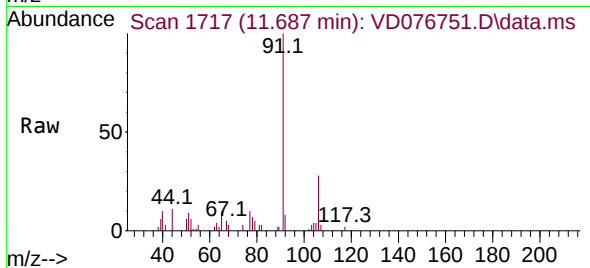
SB-02-(3-5)

Tgt Ion: 91 Resp: 19318

Ion Ratio Lower Upper

91 100

106 27.8 26.5 39.7



#68

m/p-Xylenes

Concen: 7.551 ug/l

RT: 11.787 min Scan# 1734

Delta R.T. -0.006 min

Lab File: VD076751.D

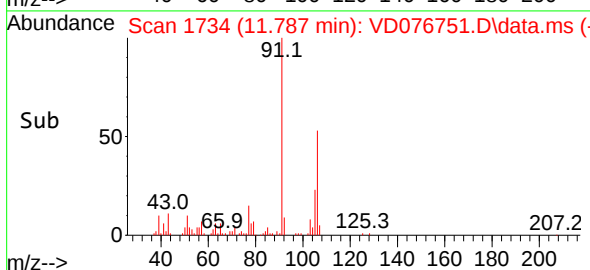
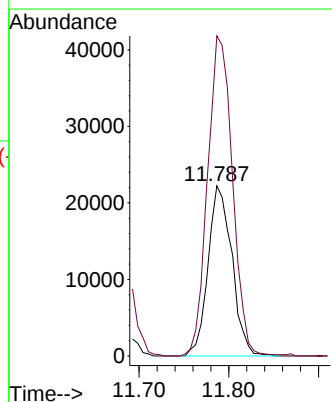
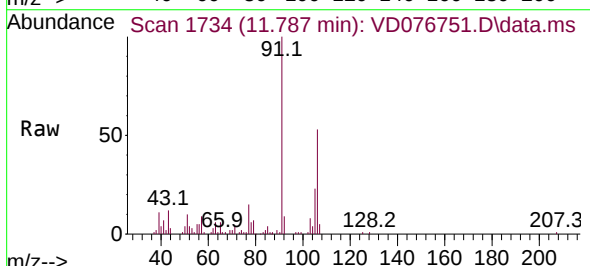
Acq: 17 Jul 2023 13:36

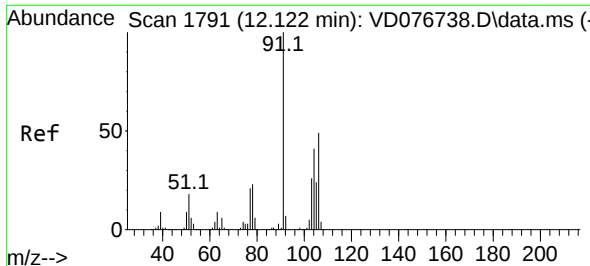
Tgt Ion: 106 Resp: 41076

Ion Ratio Lower Upper

106 100

91 196.1 147.0 220.6

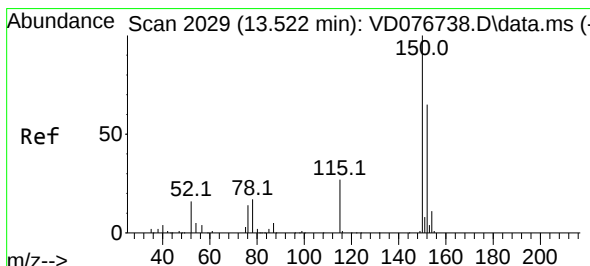
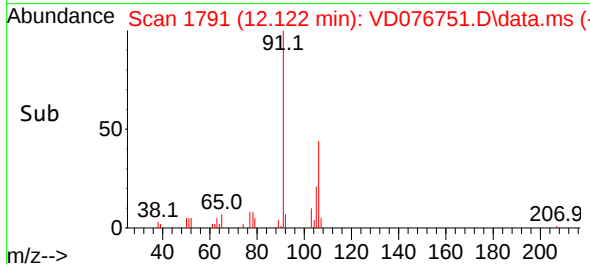
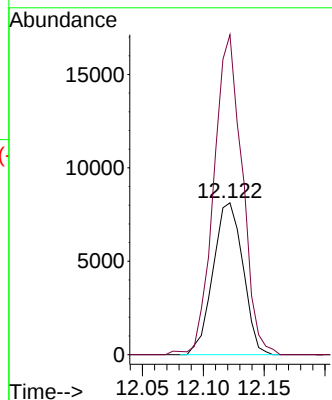
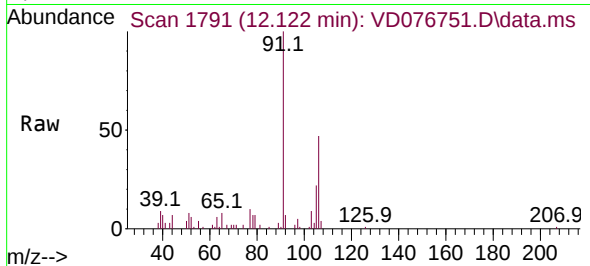




#69
o-Xylene
Concen: 2.644 ug/l
RT: 12.122 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VD076751.D
Acq: 17 Jul 2023 13:36

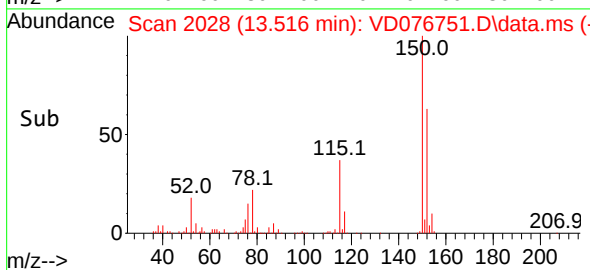
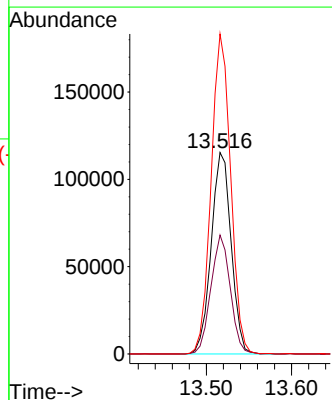
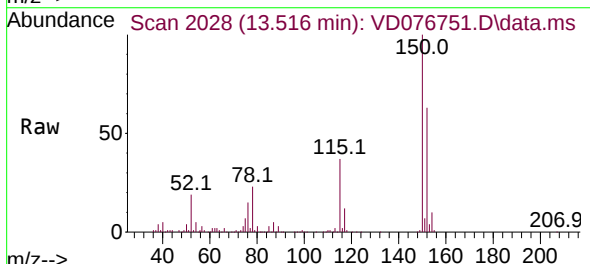
Instrument :
MSVOA_D
ClientSampleId :
SB-02-(3-5)

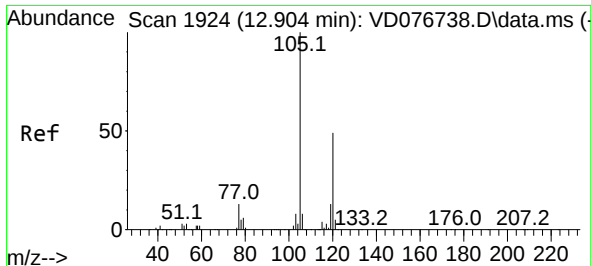
Tgt Ion:106 Resp: 13910
Ion Ratio Lower Upper
106 100
91 200.3 97.9 293.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 2028
Delta R.T. -0.006 min
Lab File: VD076751.D
Acq: 17 Jul 2023 13:36

Tgt Ion:152 Resp: 187559
Ion Ratio Lower Upper
152 100
115 57.4 27.1 81.3
150 155.1 0.0 353.6

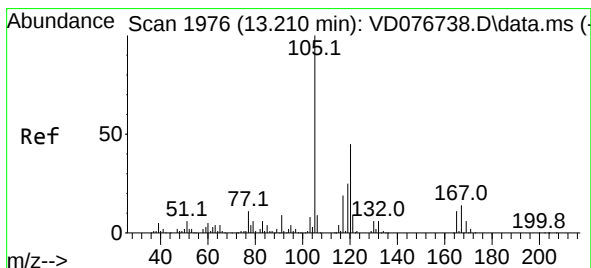
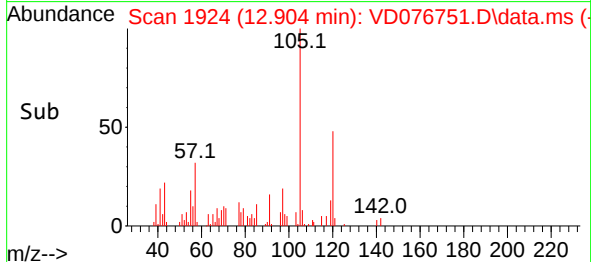
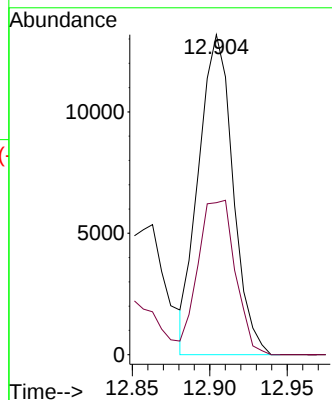
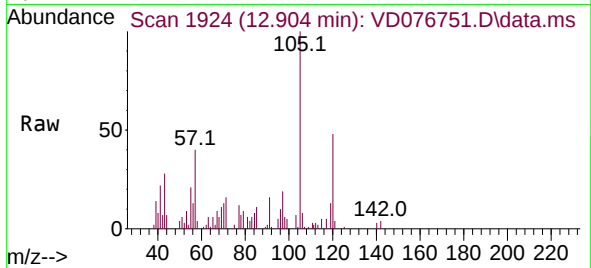




#80
 1,3,5-Trimethylbenzene
 Concen: 1.847 ug/l
 RT: 12.904 min Scan# 1924
 Delta R.T. 0.000 min
 Lab File: VD076751.D
 Acq: 17 Jul 2023 13:36

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-02-(3-5)

Tgt Ion:105 Resp: 20323
 Ion Ratio Lower Upper
 105 100
 120 52.2 26.4 79.2



#84
 1,2,4-Trimethylbenzene
 Concen: 5.423 ug/l
 RT: 13.210 min Scan# 1976
 Delta R.T. 0.000 min
 Lab File: VD076751.D
 Acq: 17 Jul 2023 13:36

Tgt Ion:105 Resp: 60977
 Ion Ratio Lower Upper
 105 100
 120 46.1 24.3 72.9

