

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD072623\
 Data File : VD076820.D
 Acq On : 26 Jul 2023 22:00
 Operator : KP/SY
 Sample : 03775-01
 Misc : 5.40G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 BUILDING-A-10-(0-5)

Quant Time: Jul 27 04:28:24 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)

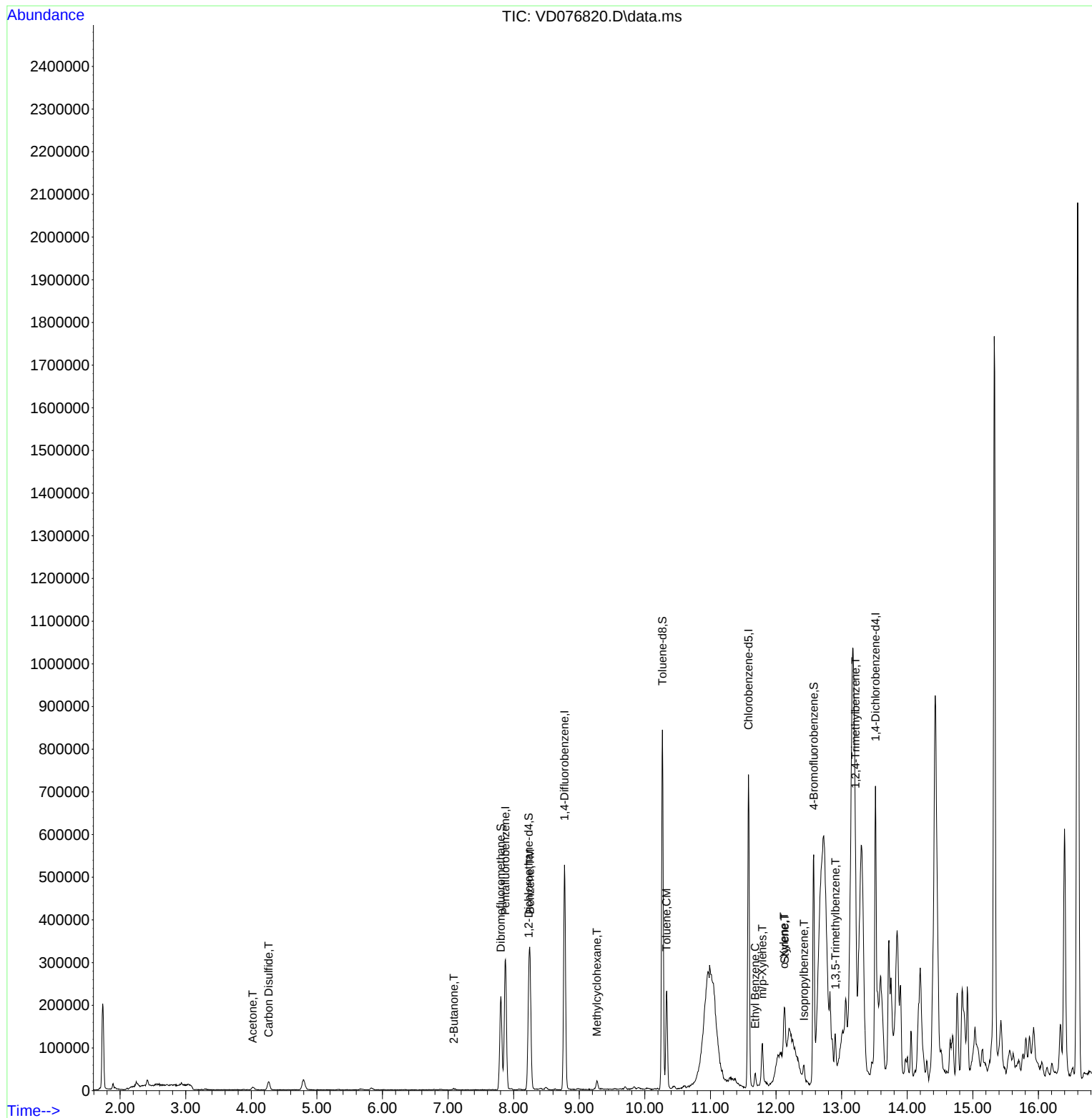
Internal Standards						
1) Pentafluorobenzene	7.875	168	244703	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	499065	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.580	117	446574	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	182959	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	126231	51.791	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 103.580%	
35) Dibromofluoromethane	7.804	113	162332	51.761	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 103.520%	
50) Toluene-d8	10.269	98	598139	53.314	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 106.620%	
62) 4-Bromofluorobenzene	12.574	95	170388	46.946	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 93.900%	
Target Compounds						Qvalue
16) Acetone	4.022	43	11197	19.236	ug/l	98
17) Carbon Disulfide	4.263	76	40409	7.155	ug/l	98
25) 2-Butanone	7.086	43	3433	4.407	ug/l	88
39) Methylcyclohexane	9.269	83	8725	1.844	ug/l	89
40) Benzene	8.251	78	274805	21.252	ug/l	100
52) Toluene	10.328	92	105267	12.395	ug/l	92
67) Ethyl Benzene	11.680	91	23814	1.510	ug/l	96
68) m/p-Xylenes	11.792	106	31900	5.266	ug/l	97
69) o-Xylene	12.122	106	20474	3.495	ug/l	100
70) Styrene	12.133	104	47351	4.617	ug/l	95
73) Isopropylbenzene	12.427	105	14329	1.079	ug/l	95
80) 1,3,5-Trimethylbenzene	12.904	105	47587	4.434	ug/l	93
84) 1,2,4-Trimethylbenzene	13.210	105	50557	4.609	ug/l	100

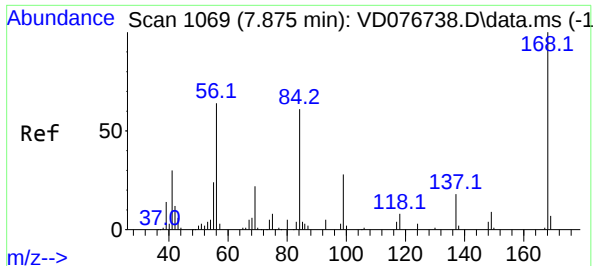
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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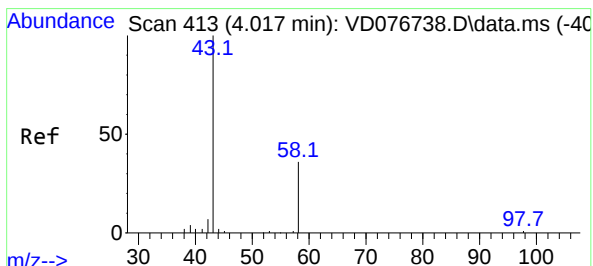
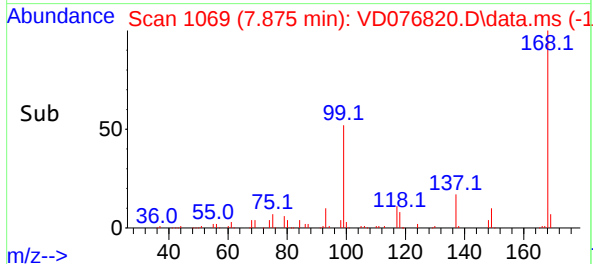
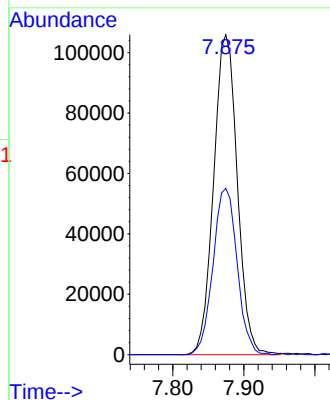
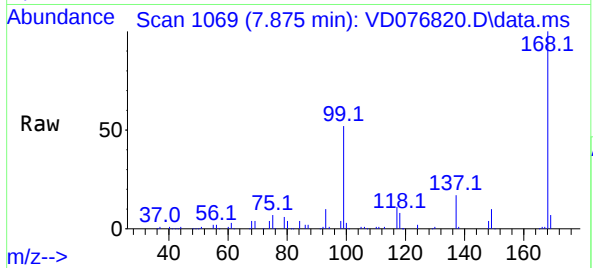




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.000 min
Lab File: VD076820.D
Acq: 26 Jul 2023 22:00

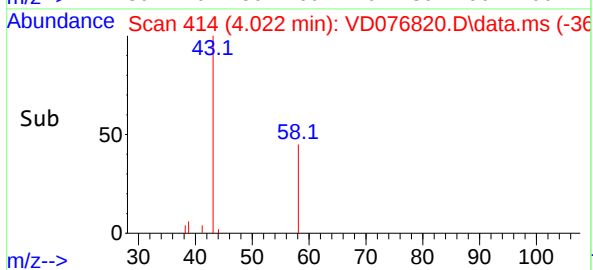
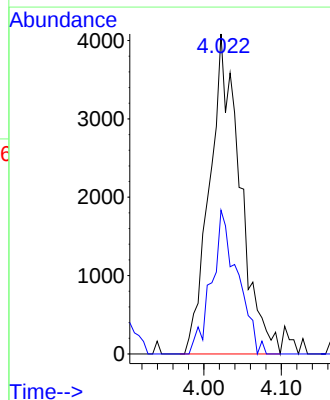
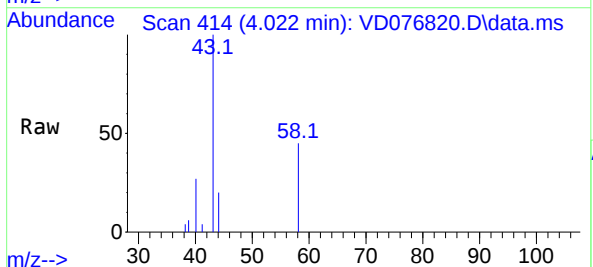
Instrument :
MSVOA_D
ClientSampleId :
BUILDING-A-10-(0-5)

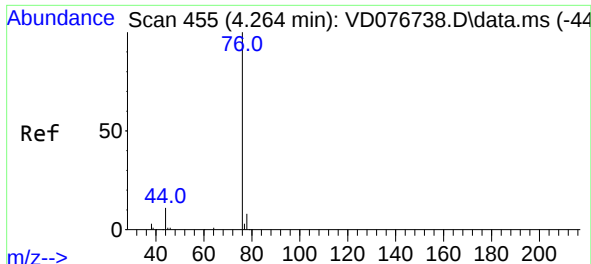
Tgt Ion:168 Resp: 244703
Ion Ratio Lower Upper
168 100
99 52.0 36.7 55.1



#16
Acetone
Concen: 19.236 ug/l
RT: 4.022 min Scan# 414
Delta R.T. 0.005 min
Lab File: VD076820.D
Acq: 26 Jul 2023 22:00

Tgt Ion: 43 Resp: 11197
Ion Ratio Lower Upper
43 100
58 44.9 34.7 52.1

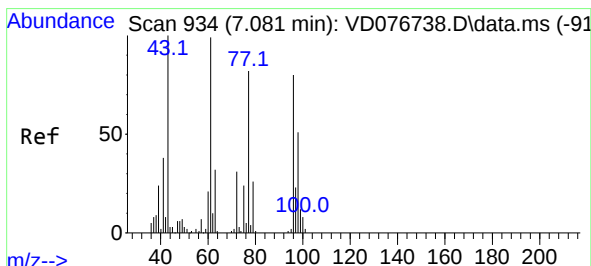
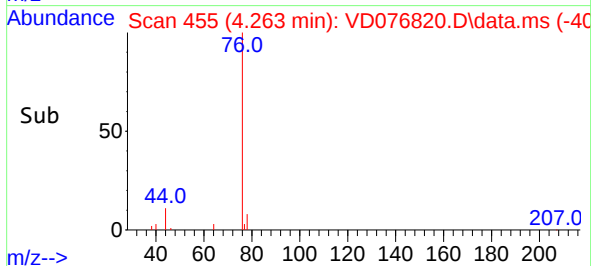
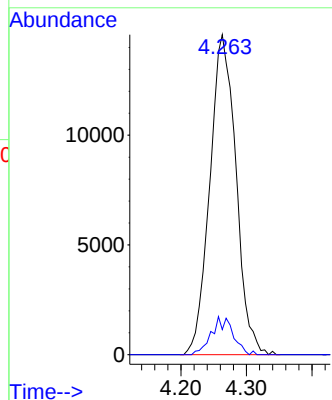
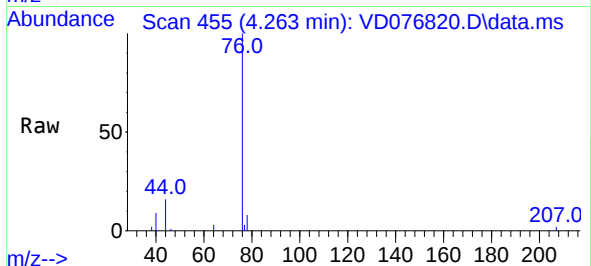




#17
Carbon Disulfide
Concen: 7.155 ug/l
RT: 4.263 min Scan# 41
Delta R.T. -0.001 min
Lab File: VD076820.D
Acq: 26 Jul 2023 22:00

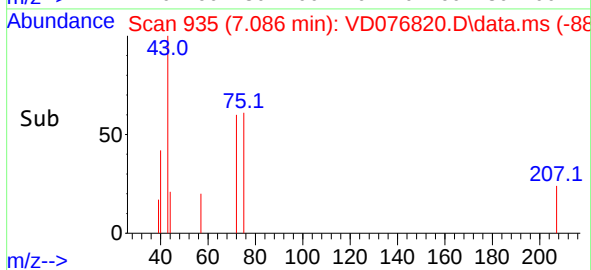
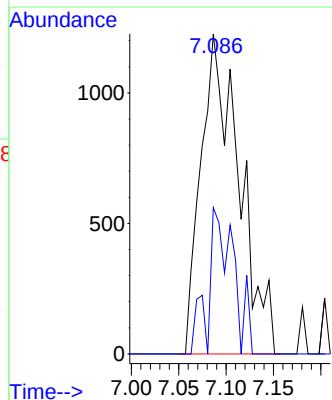
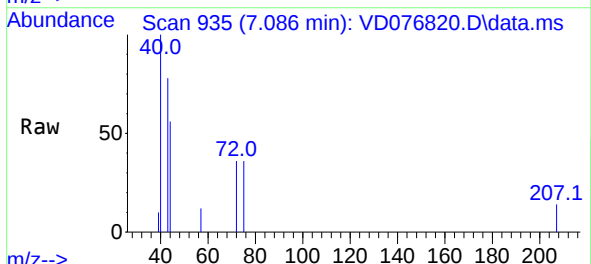
Instrument :
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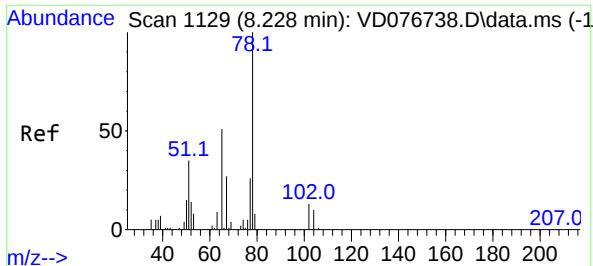
Tgt Ion: 76 Resp: 40409
Ion Ratio Lower Upper
76 100
78 7.9 6.8 10.2



#25
2-Butanone
Concen: 4.407 ug/l
RT: 7.086 min Scan# 935
Delta R.T. 0.005 min
Lab File: VD076820.D
Acq: 26 Jul 2023 22:00

Tgt Ion: 43 Resp: 3433
Ion Ratio Lower Upper
43 100
72 45.8 30.7 46.1

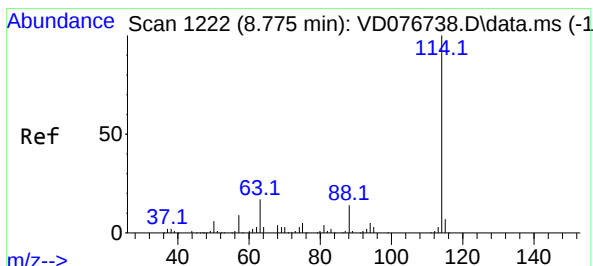
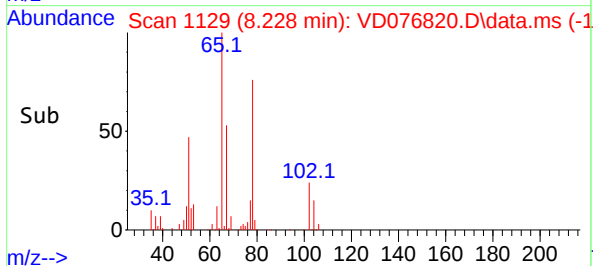
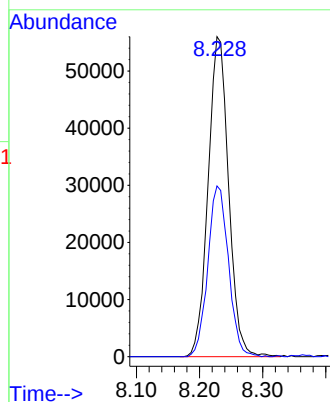
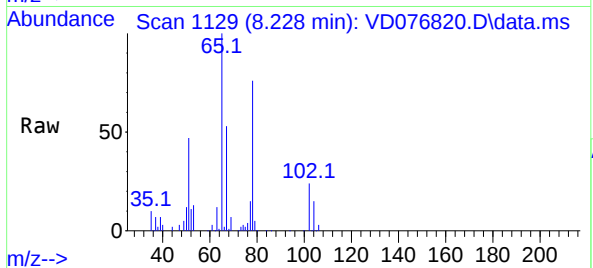




#33
1,2-Dichloroethane-d4
Concen: 51.791 ug/l
RT: 8.228 min Scan# 1129
Delta R.T. -0.000 min
Lab File: VD076820.D
Acq: 26 Jul 2023 22:00

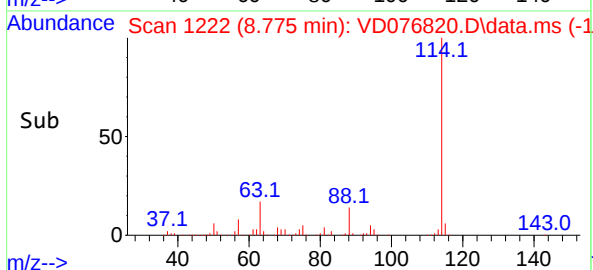
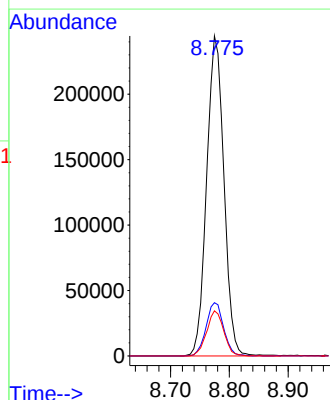
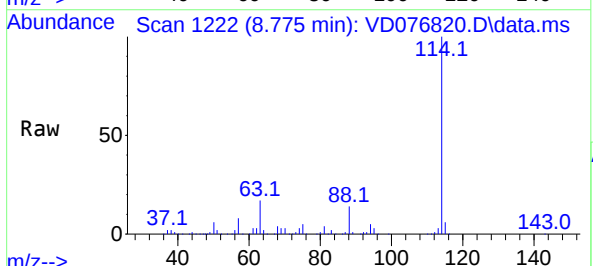
Instrument :
MSVOA_D
ClientSampleId :
BUILDING-A-10-(0-5)

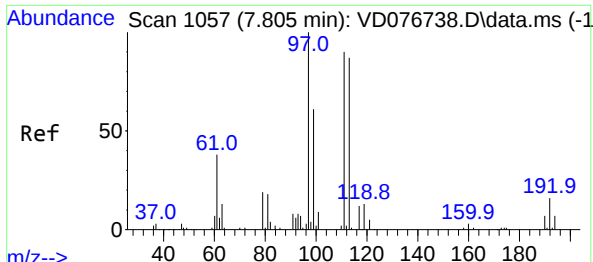
Tgt Ion: 65 Resp: 126231
Ion Ratio Lower Upper
65 100
67 53.9 0.0 115.0



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.775 min Scan# 1222
Delta R.T. -0.000 min
Lab File: VD076820.D
Acq: 26 Jul 2023 22:00

Tgt Ion: 114 Resp: 499065
Ion Ratio Lower Upper
114 100
63 16.7 0.0 33.4
88 14.1 0.0 26.2





#35

Dibromofluoromethane

Concen: 51.761 ug/l

RT: 7.804 min Scan# 1057

Delta R.T. -0.001 min

Lab File: VD076820.D

Acq: 26 Jul 2023 22:00

Instrument :

MSVOA_D

ClientSampleId :

BUILDING-A-10-(0-5)

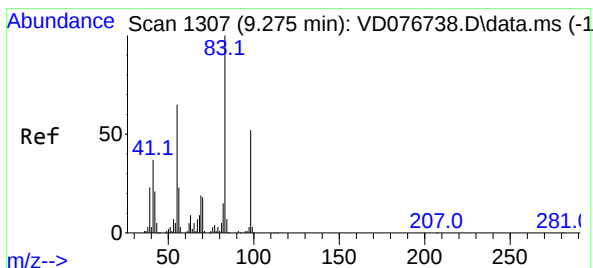
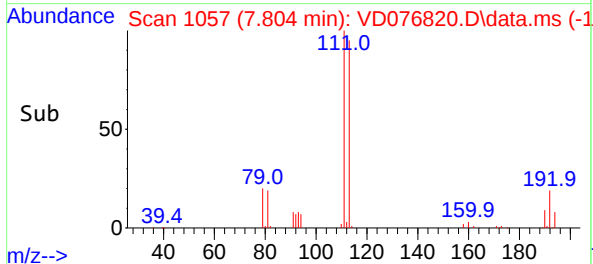
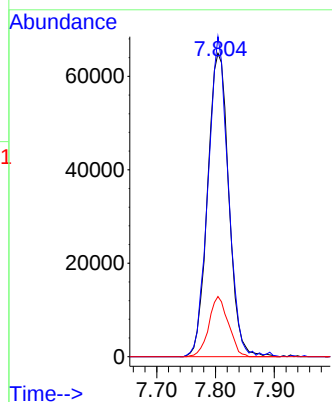
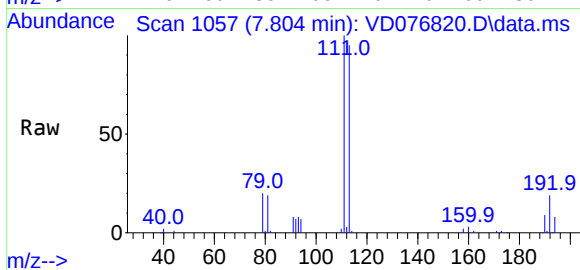
Tgt Ion:113 Resp: 162332

Ion Ratio Lower Upper

113 100

111 100.4 84.7 127.1

192 18.3 16.8 25.2



#39

Methylcyclohexane

Concen: 1.844 ug/l

RT: 9.269 min Scan# 1306

Delta R.T. -0.006 min

Lab File: VD076820.D

Acq: 26 Jul 2023 22:00

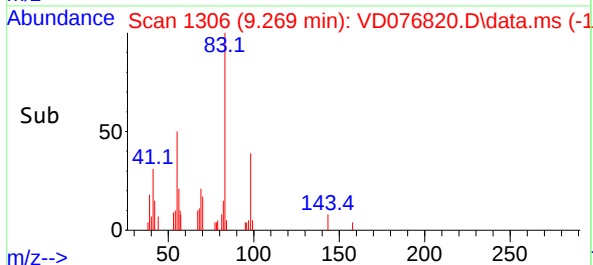
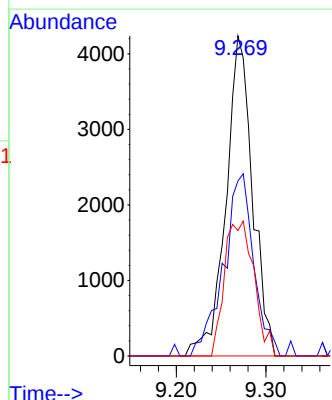
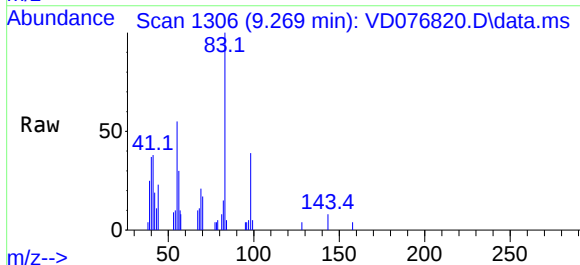
Tgt Ion: 83 Resp: 8725

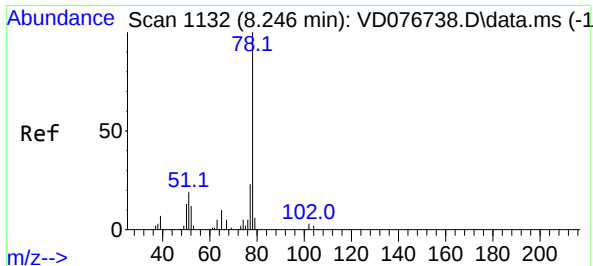
Ion Ratio Lower Upper

83 100

55 54.7 49.4 74.0

98 39.2 38.4 57.6

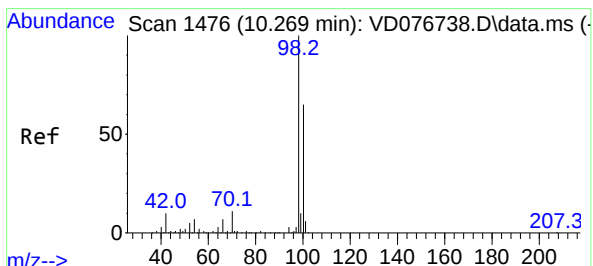
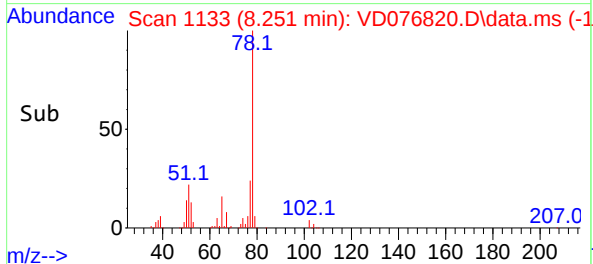
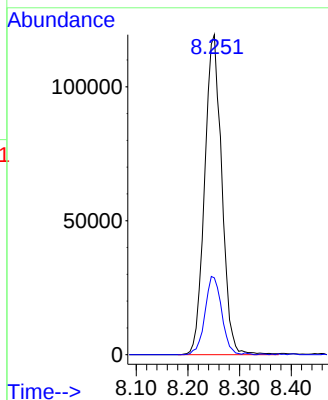
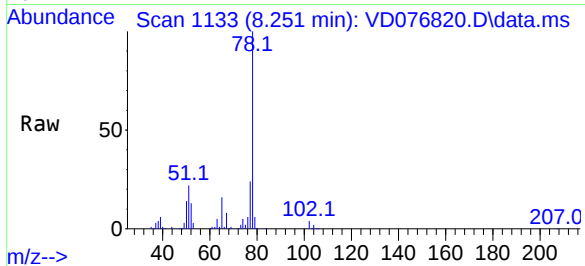




#40
Benzene
Concen: 21.252 ug/l
RT: 8.251 min Scan# 1133
Delta R.T. 0.005 min
Lab File: VD076820.D
Acq: 26 Jul 2023 22:00

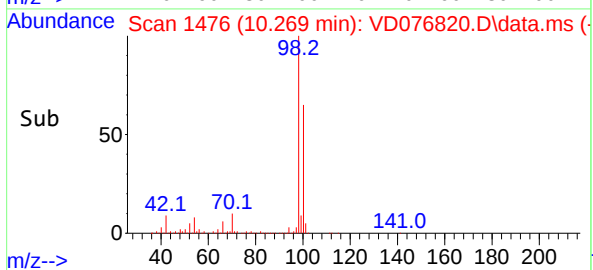
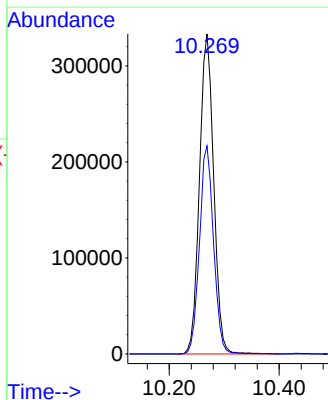
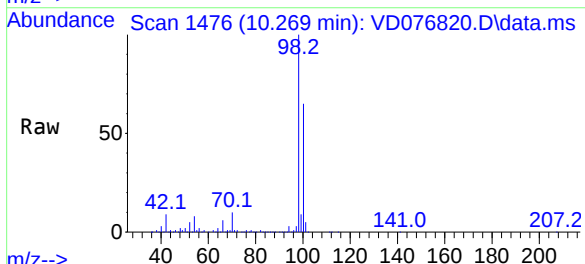
Instrument :
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BUILDING-A-10-(0-5)

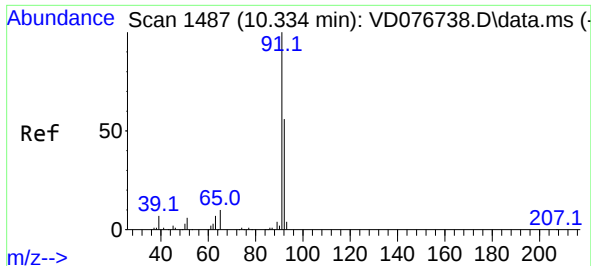
Tgt Ion: 78 Resp: 274805
Ion Ratio Lower Upper
78 100
77 24.0 19.4 29.0



#50
Toluene-d8
Concen: 53.314 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. -0.000 min
Lab File: VD076820.D
Acq: 26 Jul 2023 22:00

Tgt Ion: 98 Resp: 598139
Ion Ratio Lower Upper
98 100
100 64.3 50.3 75.5

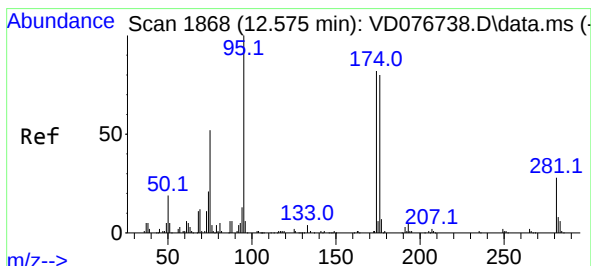
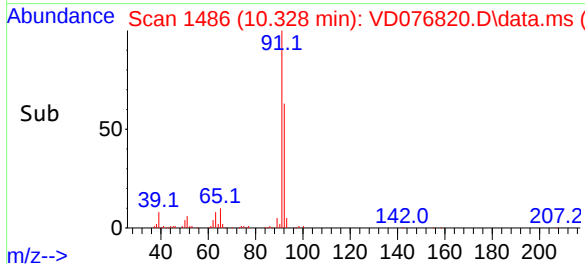
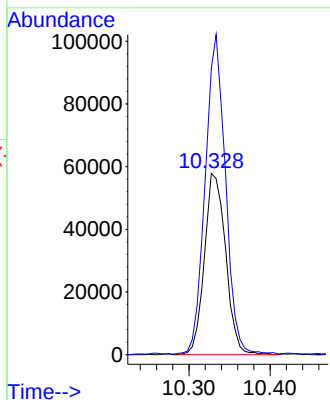
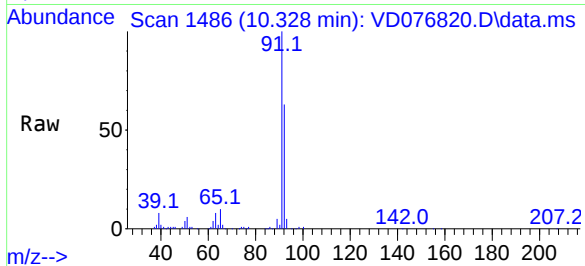




#52
Toluene
Concen: 12.395 ug/l
RT: 10.328 min Scan# 1486
Delta R.T. -0.006 min
Lab File: VD076820.D
Acq: 26 Jul 2023 22:00

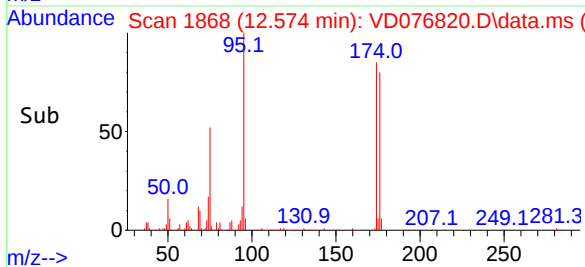
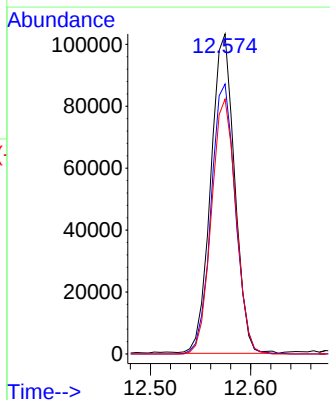
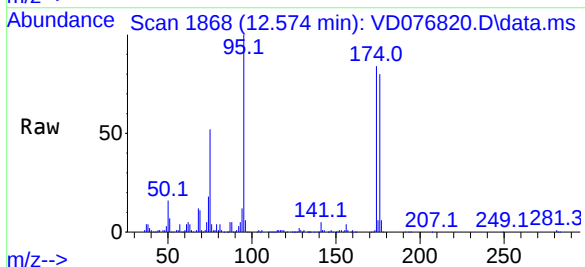
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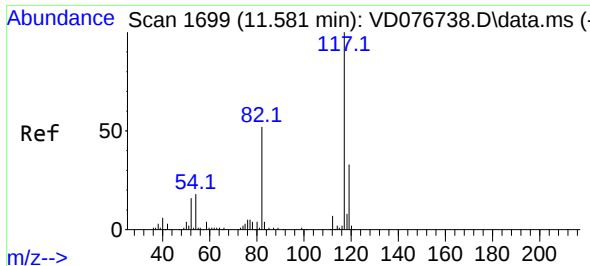
Tgt Ion: 92 Resp: 105267
Ion Ratio Lower Upper
92 100
91 168.1 143.0 214.4



#62
4-Bromofluorobenzene
Concen: 46.946 ug/l
RT: 12.574 min Scan# 1868
Delta R.T. -0.001 min
Lab File: VD076820.D
Acq: 26 Jul 2023 22:00

Tgt Ion: 95 Resp: 170388
Ion Ratio Lower Upper
95 100
174 86.1 0.0 201.8
176 81.7 0.0 191.8

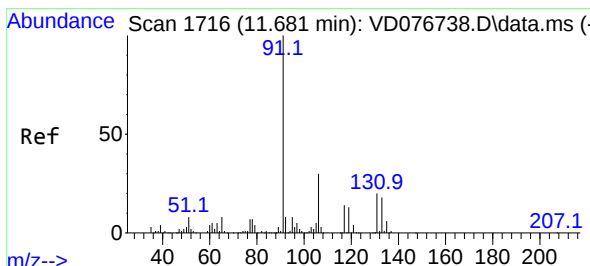
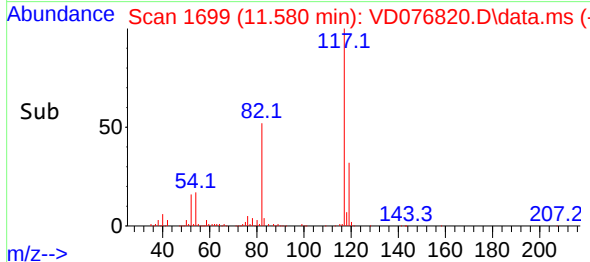
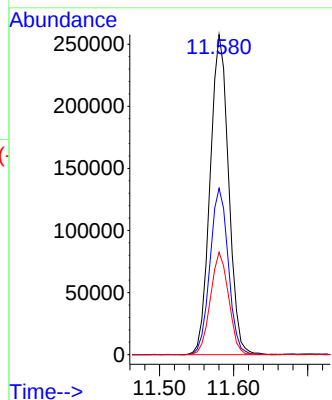
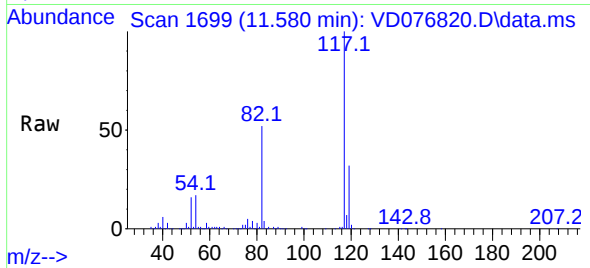




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.580 min Scan# 1171
Delta R.T. -0.000 min
Lab File: VD076820.D
Acq: 26 Jul 2023 22:00

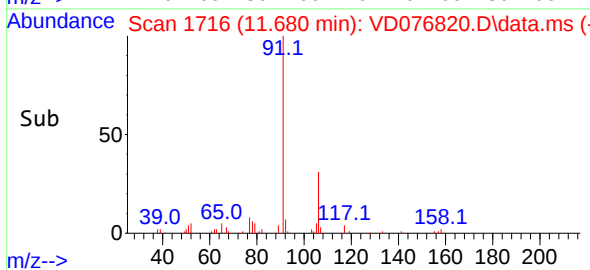
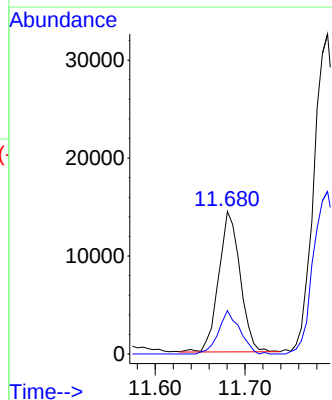
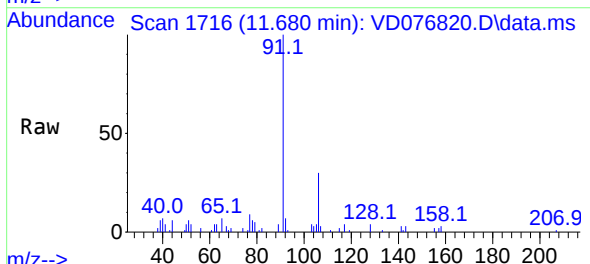
Instrument :
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BUILDING-A-10-(0-5)

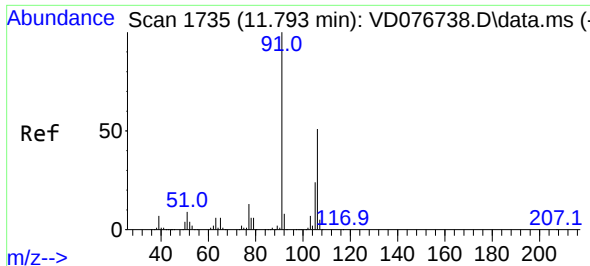
Tgt Ion:117 Resp: 446574
Ion Ratio Lower Upper
117 100
82 51.9 38.3 57.5
119 32.0 25.0 37.4



#67
Ethyl Benzene
Concen: 1.510 ug/l
RT: 11.680 min Scan# 1716
Delta R.T. -0.001 min
Lab File: VD076820.D
Acq: 26 Jul 2023 22:00

Tgt Ion: 91 Resp: 23814
Ion Ratio Lower Upper
91 100
106 30.9 26.5 39.7

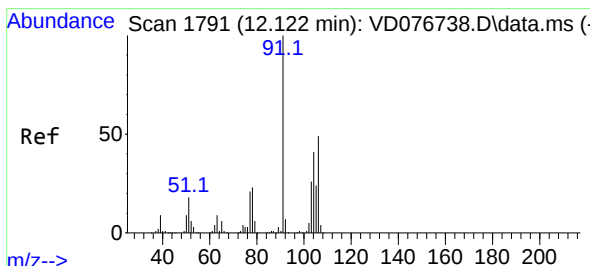
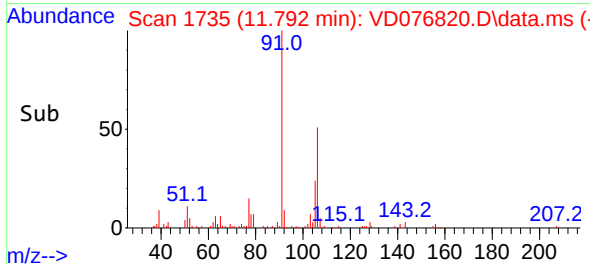
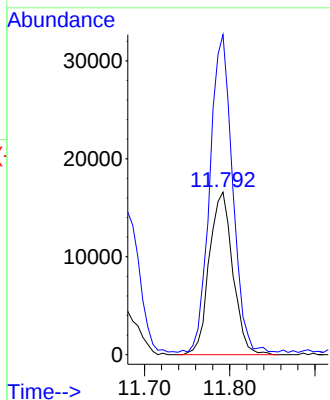
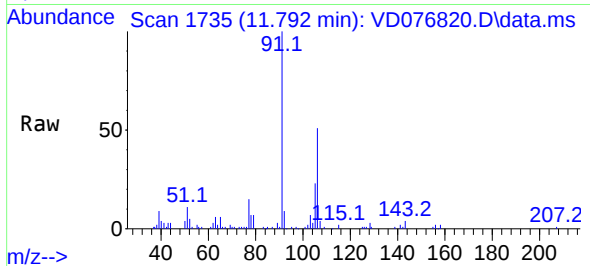




#68
m/p-Xylenes
Concen: 5.266 ug/l
RT: 11.792 min Scan# 1735
Delta R.T. -0.001 min
Lab File: VD076820.D
Acq: 26 Jul 2023 22:00

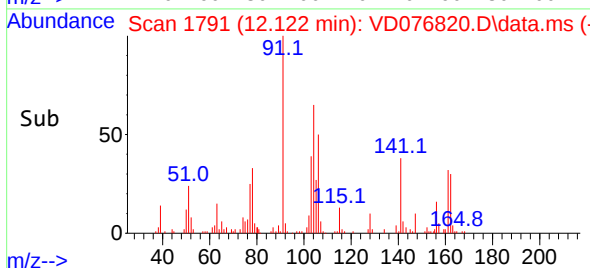
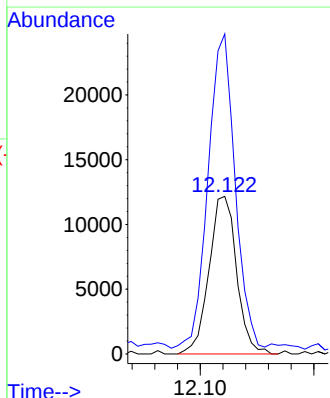
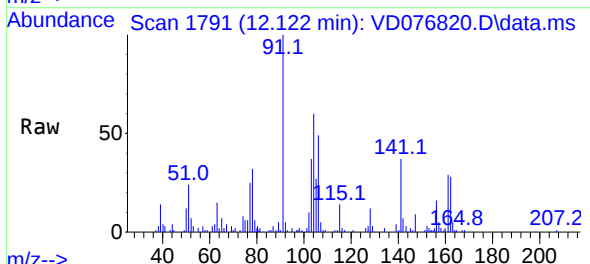
Instrument :
MSVOA_D
ClientSampleId :
BUILDING-A-10-(0-5)

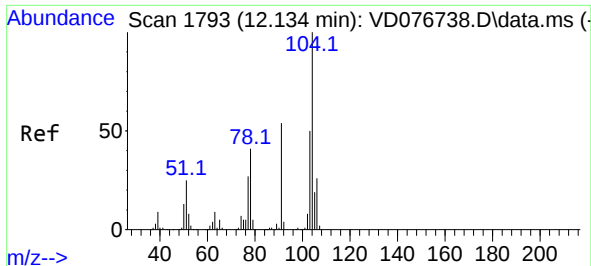
Tgt Ion:106 Resp: 31900
Ion Ratio Lower Upper
106 100
91 188.2 147.0 220.6



#69
o-Xylene
Concen: 3.495 ug/l
RT: 12.122 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VD076820.D
Acq: 26 Jul 2023 22:00

Tgt Ion:106 Resp: 20474
Ion Ratio Lower Upper
106 100
91 196.1 97.9 293.6

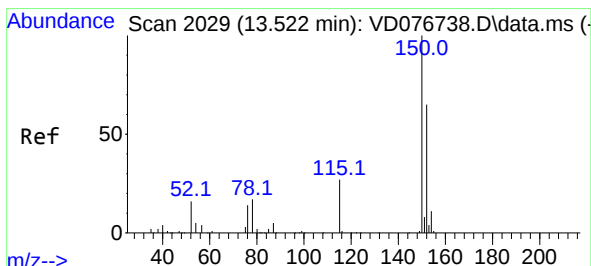
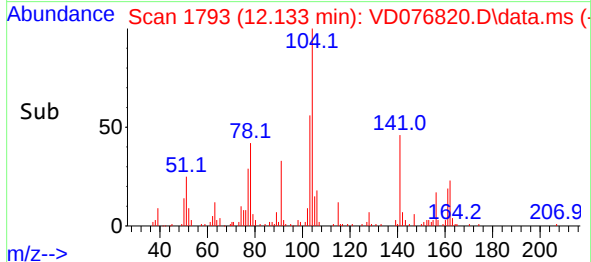
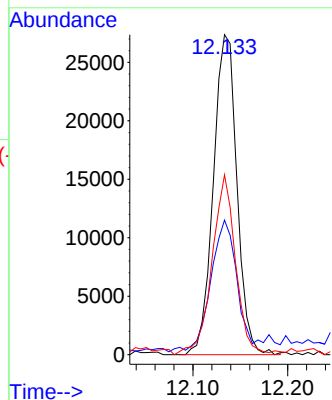
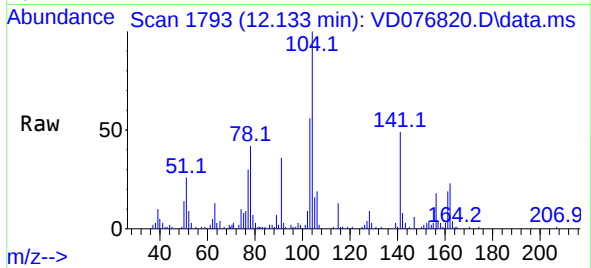




#70
Styrene
Concen: 4.617 ug/l
RT: 12.133 min Scan# 1793
Delta R.T. -0.001 min
Lab File: VD076820.D
Acq: 26 Jul 2023 22:00

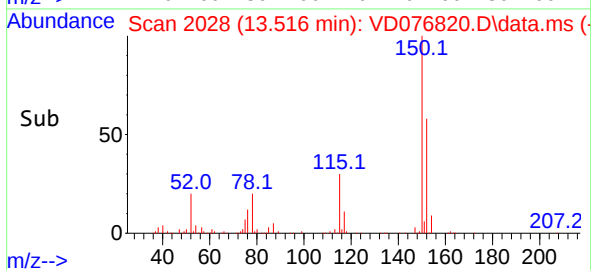
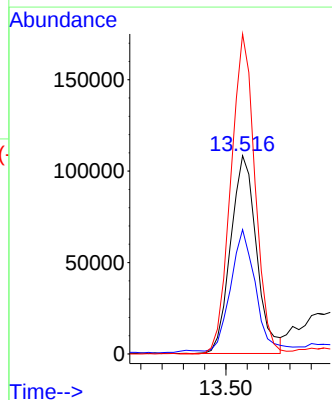
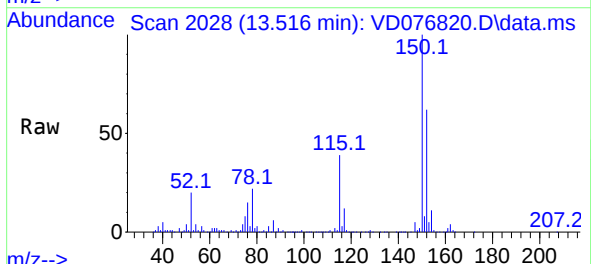
Instrument :
MSVOA_D
ClientSampleId :
BUILDING-A-10-(0-5)

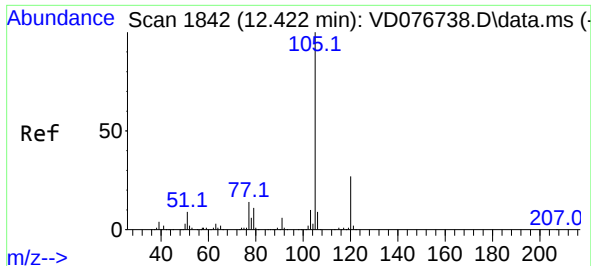
Tgt Ion:	104	Resp:	47351
Ion Ratio	Lower	Upper	
104	100		
78	47.2	33.2	49.8
103	55.9	43.6	65.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 2028
Delta R.T. -0.006 min
Lab File: VD076820.D
Acq: 26 Jul 2023 22:00

Tgt Ion:	152	Resp:	182959
Ion Ratio	Lower	Upper	
152	100		
115	58.5	27.1	81.3
150	151.2	0.0	353.6

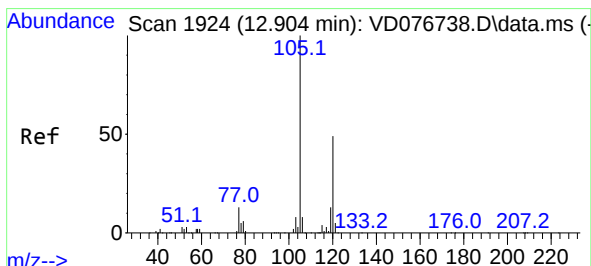
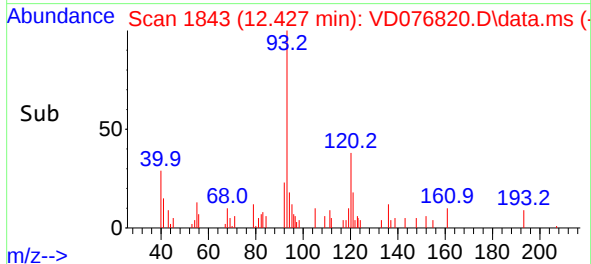
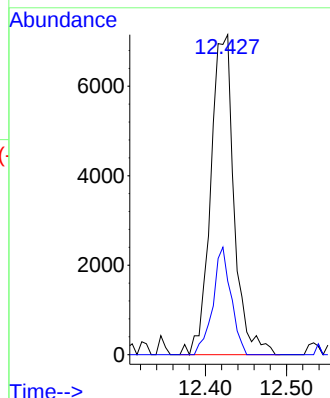
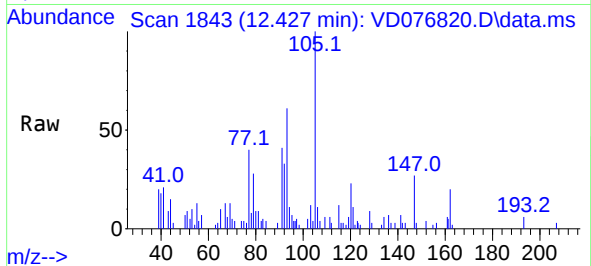




#73
Isopropylbenzene
Concen: 1.079 ug/l
RT: 12.427 min Scan# 1842
Delta R.T. 0.005 min
Lab File: VD076820.D
Acq: 26 Jul 2023 22:00

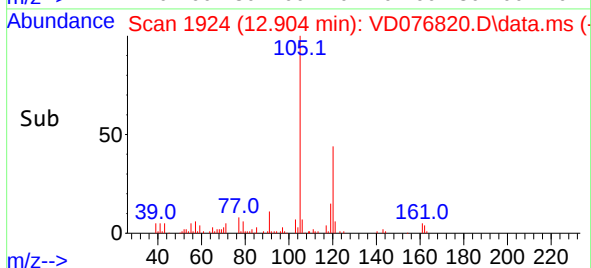
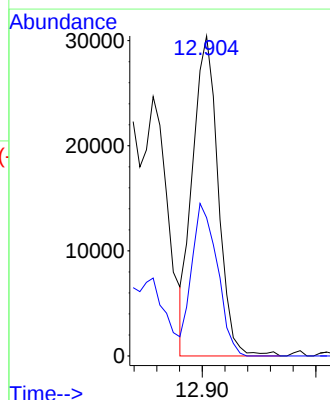
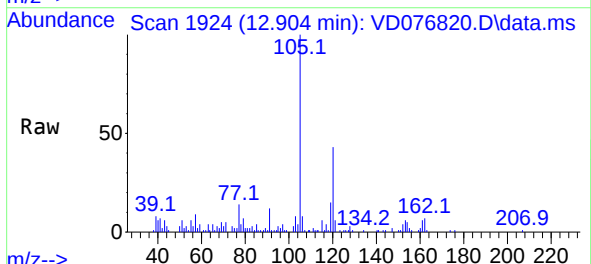
Instrument :
MSVOA_D
ClientSampleId :
BUILDING-A-10-(0-5)

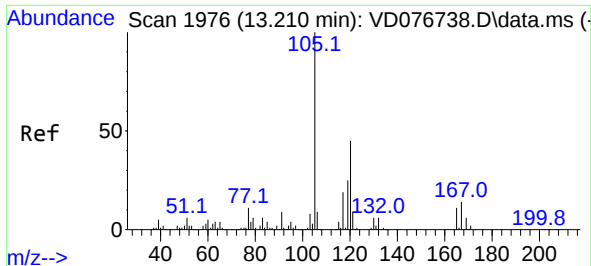
Tgt Ion:105 Resp: 14329
Ion Ratio Lower Upper
105 100
120 26.0 14.3 42.9



#80
1,3,5-Trimethylbenzene
Concen: 4.434 ug/l
RT: 12.904 min Scan# 1924
Delta R.T. -0.000 min
Lab File: VD076820.D
Acq: 26 Jul 2023 22:00

Tgt Ion:105 Resp: 47587
Ion Ratio Lower Upper
105 100
120 47.7 26.4 79.2





#84

1,2,4-Trimethylbenzene

Concen: 4.609 ug/l

RT: 13.210 min Scan# 1976

Delta R.T. -0.000 min

Lab File: VD076820.D

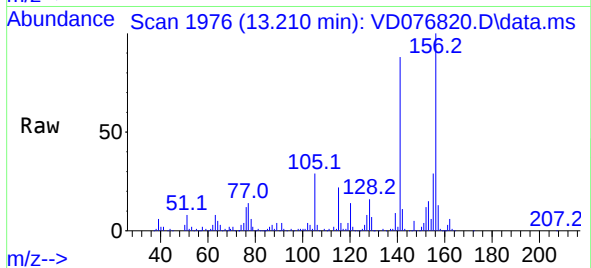
Acq: 26 Jul 2023 22:00

Instrument :

MSVOA_D

ClientSampleId :

BUILDING-A-10-(0-5)



Tgt Ion:105 Resp: 50557

Ion Ratio Lower Upper

105 100

120 48.8 24.3 72.9

