

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD072623\
 Data File : VD076821.D
 Acq On : 26 Jul 2023 22:29
 Operator : KP/SY
 Sample : 03775-02
 Misc : 6.13G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 BUILDING-A-12-(0-5)

Quant Time: Jul 27 04:28:51 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)

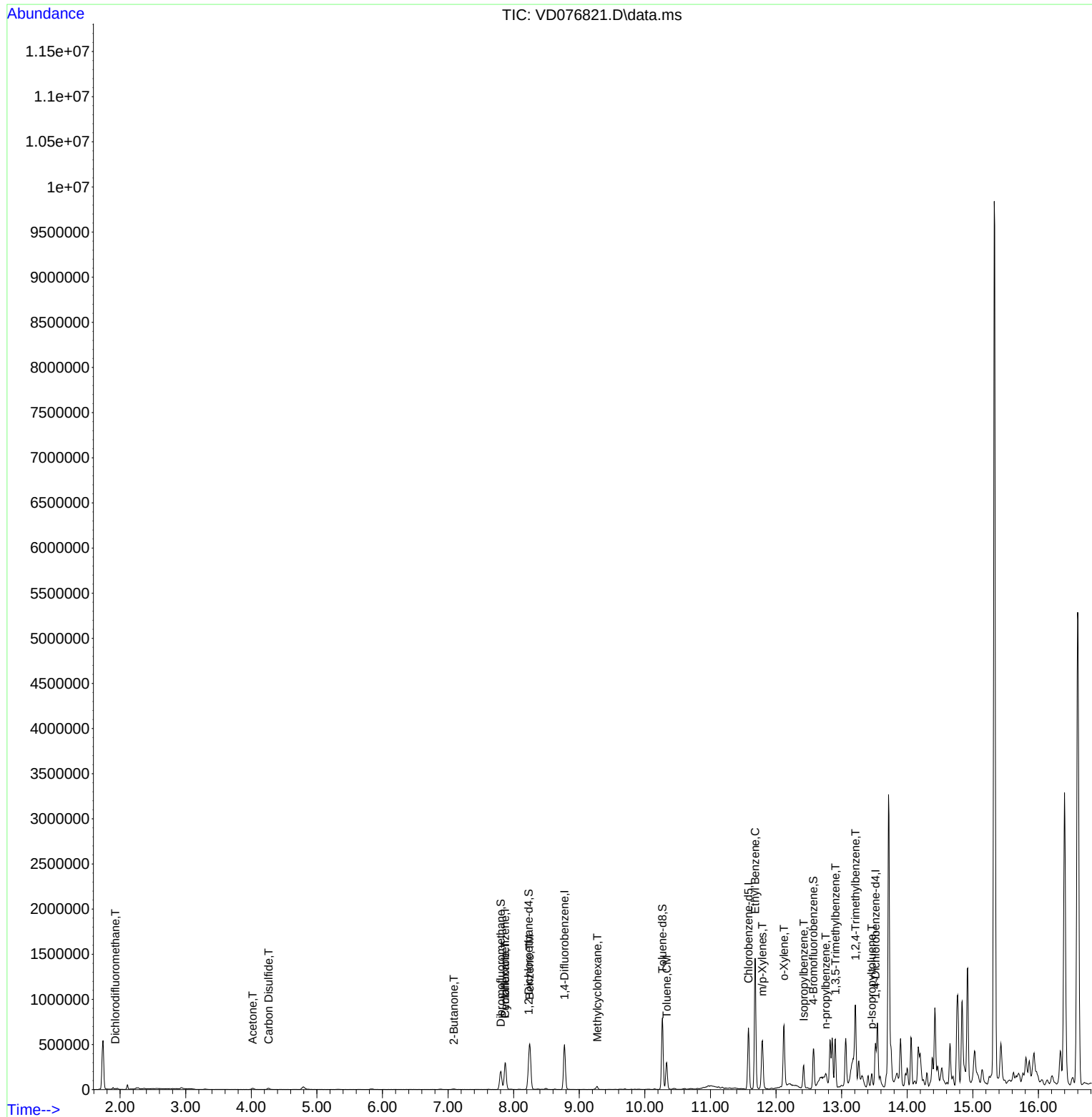
Internal Standards						
1) Pentafluorobenzene	7.869	168	221644	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	464665	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	401199	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	127651	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	116642	52.836	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 105.680%	
35) Dibromofluoromethane	7.804	113	150687	51.605	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 103.220%	
50) Toluene-d8	10.269	98	551992	52.843	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 105.680%	
62) 4-Bromofluorobenzene	12.569	95	145843	43.158	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 86.320%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.928	85	4427	2.554	ug/l	88
16) Acetone	4.022	43	21707	41.172	ug/l	88
17) Carbon Disulfide	4.263	76	27314	5.340	ug/l	100
25) 2-Butanone	7.087	43	9008	12.766	ug/l	99
31) Cyclohexane	7.869	56	8106	2.495	ug/l #	26
39) Methylcyclohexane	9.275	83	13820	3.137	ug/l	96
40) Benzene	8.246	78	479658	39.841	ug/l	98
52) Toluene	10.334	92	136711	17.290	ug/l	95
67) Ethyl Benzene	11.681	91	1078433	76.103	ug/l	97
68) m/p-Xylenes	11.792	106	183052	33.635	ug/l	92
69) o-Xylene	12.122	106	186506	35.438	ug/l	92
73) Isopropylbenzene	12.422	105	158390	17.102	ug/l	97
78) n-propylbenzene	12.757	91	60687	5.405	ug/l	95
80) 1,3,5-Trimethylbenzene	12.904	105	297995	39.793	ug/l	95
84) 1,2,4-Trimethylbenzene	13.210	105	432334	56.495	ug/l	96
86) p-Isopropyltoluene	13.457	119	63839	7.673	ug/l	90

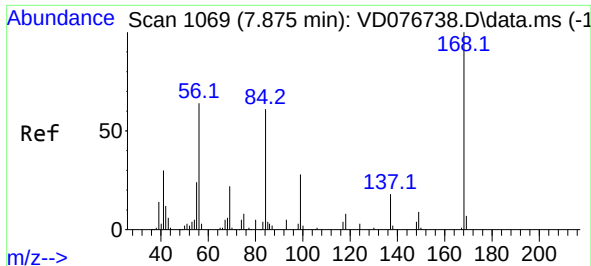
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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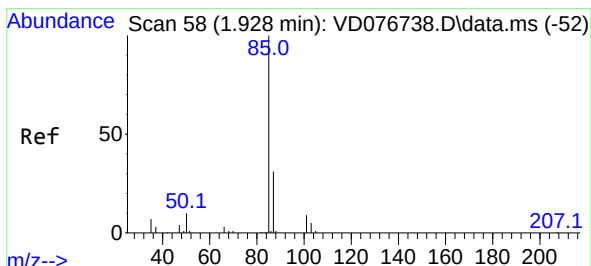
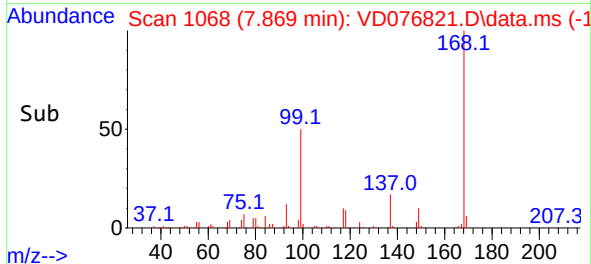
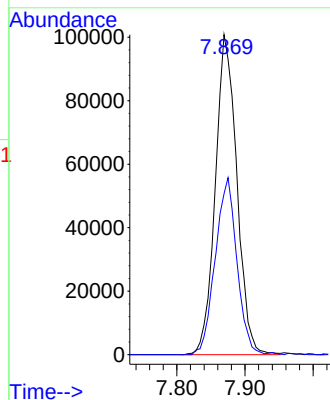
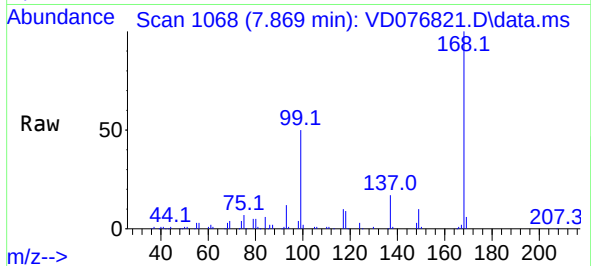




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.869 min Scan# 1068
Delta R.T. -0.006 min
Lab File: VD076821.D
Acq: 26 Jul 2023 22:29

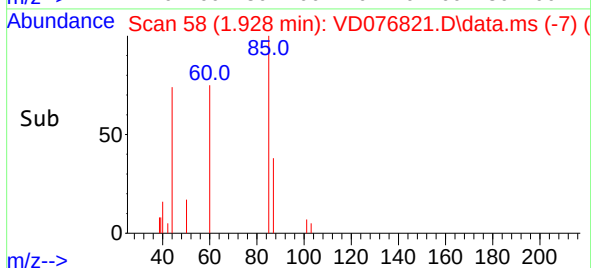
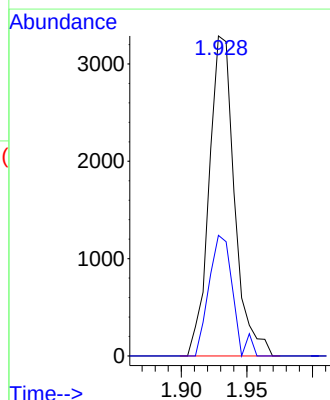
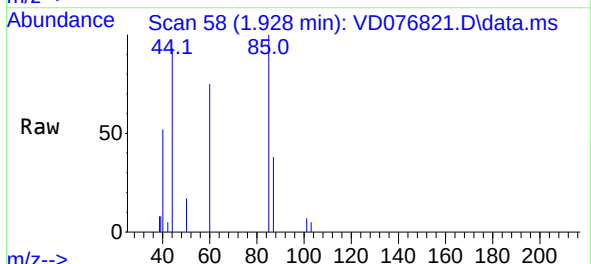
Instrument :
MSVOA_D
ClientSampleId :
BUILDING-A-12-(0-5)

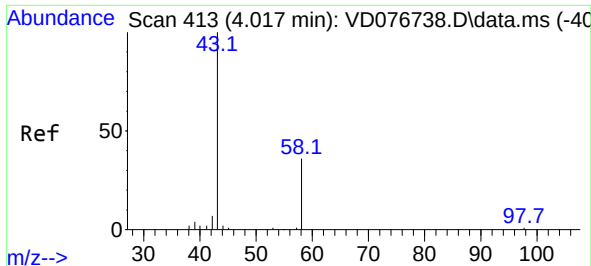
Tgt Ion:168 Resp: 221644
Ion Ratio Lower Upper
168 100
99 50.3 36.7 55.1



#2
Dichlorodifluoromethane
Concen: 2.554 ug/l
RT: 1.928 min Scan# 58
Delta R.T. 0.000 min
Lab File: VD076821.D
Acq: 26 Jul 2023 22:29

Tgt Ion: 85 Resp: 4427
Ion Ratio Lower Upper
85 100
87 37.7 15.7 47.0

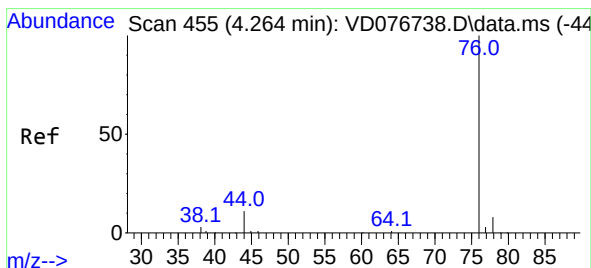
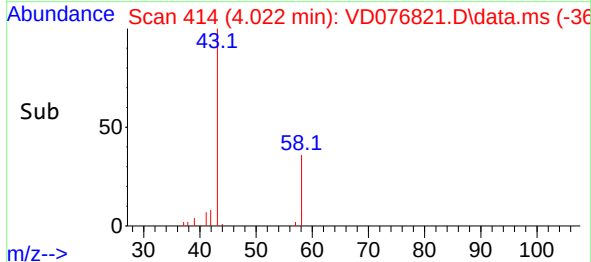
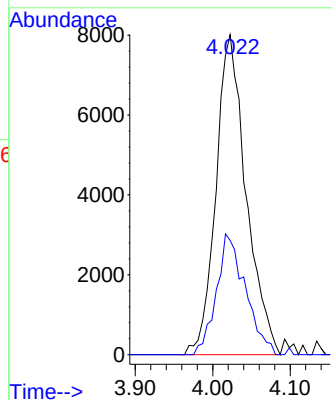
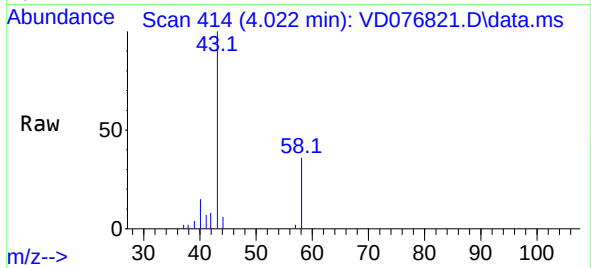




#16
Acetone
Concen: 41.172 ug/l
RT: 4.022 min Scan# 413
Delta R.T. 0.005 min
Lab File: VD076821.D
Acq: 26 Jul 2023 22:29

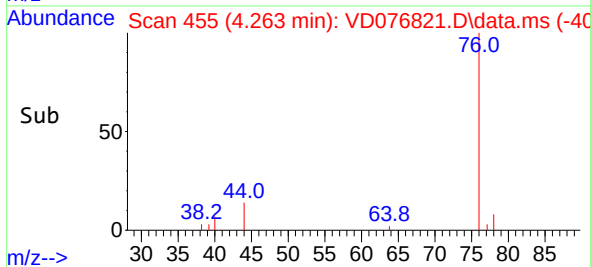
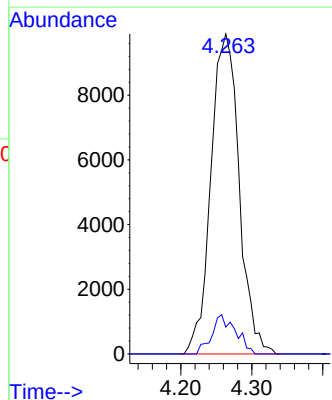
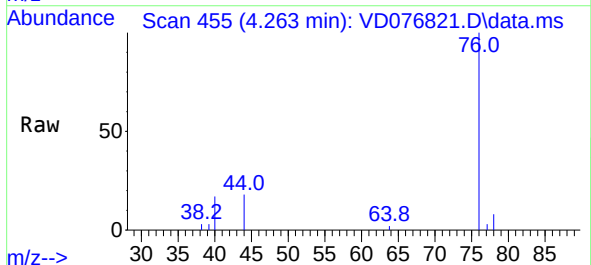
Instrument :
MSVOA_D
ClientSampleId :
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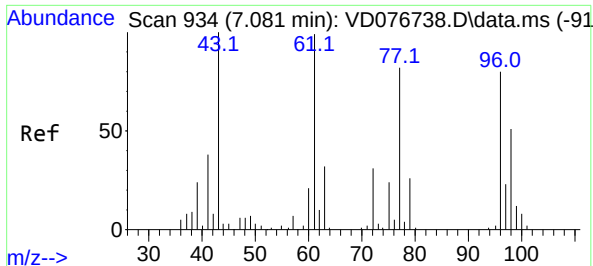
Tgt Ion: 43 Resp: 21707
Ion Ratio Lower Upper
43 100
58 35.7 34.7 52.1



#17
Carbon Disulfide
Concen: 5.340 ug/l
RT: 4.263 min Scan# 455
Delta R.T. -0.001 min
Lab File: VD076821.D
Acq: 26 Jul 2023 22:29

Tgt Ion: 76 Resp: 27314
Ion Ratio Lower Upper
76 100
78 8.4 6.8 10.2





#25

2-Butanone

Concen: 12.766 ug/l

RT: 7.087 min Scan# 91

Delta R.T. 0.006 min

Lab File: VD076821.D

Acq: 26 Jul 2023 22:29

Instrument :

MSVOA_D

ClientSampleId :

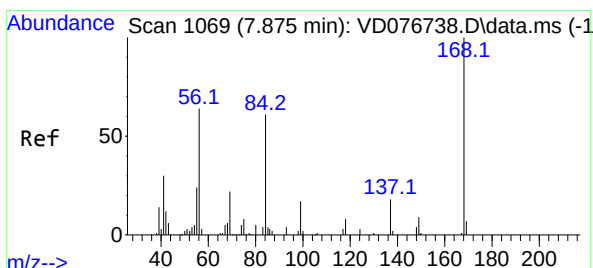
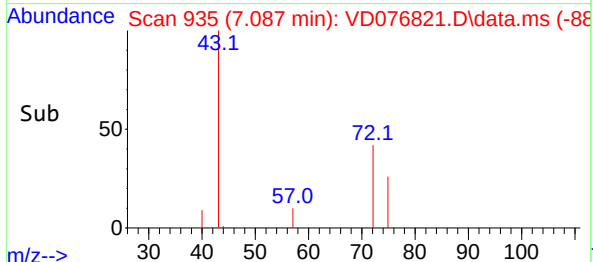
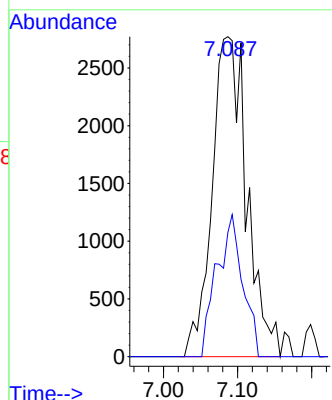
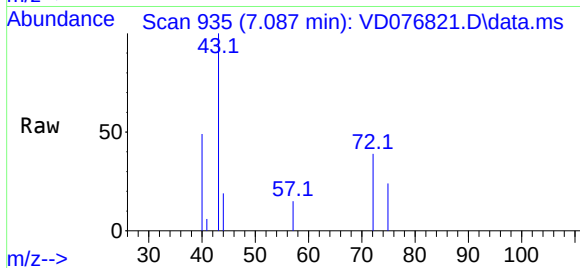
BUILDING-A-12-(0-5)

Tgt Ion: 43 Resp: 9008

Ion Ratio Lower Upper

43 100

72 38.8 30.7 46.1



#31

Cyclohexane

Concen: 2.495 ug/l

RT: 7.869 min Scan# 1068

Delta R.T. -0.006 min

Lab File: VD076821.D

Acq: 26 Jul 2023 22:29

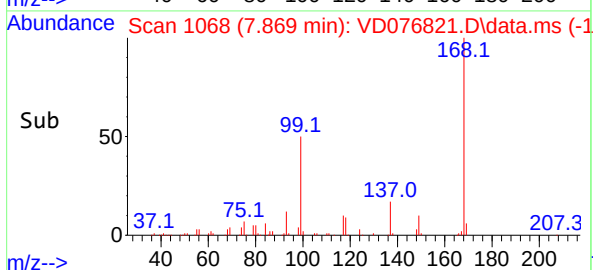
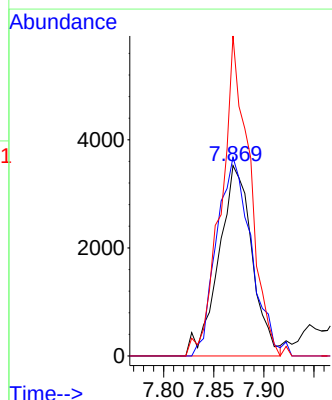
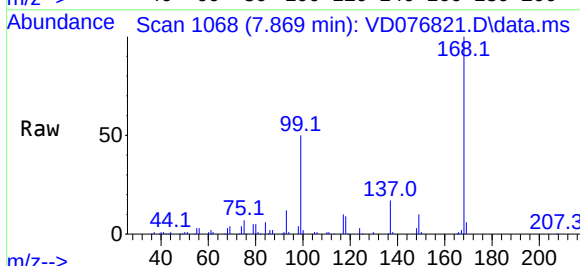
Tgt Ion: 56 Resp: 8106

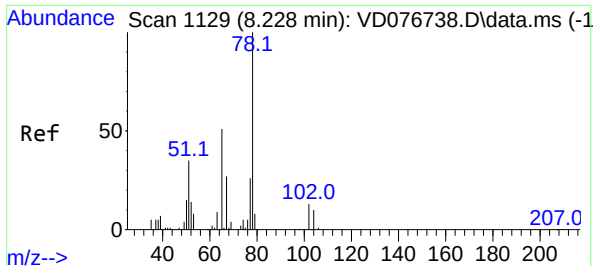
Ion Ratio Lower Upper

56 100

69 104.3 28.6 43.0#

84 168.0 84.8 127.2#

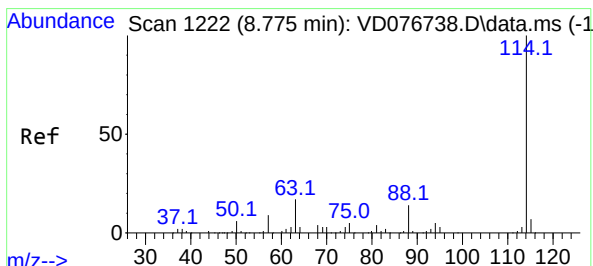
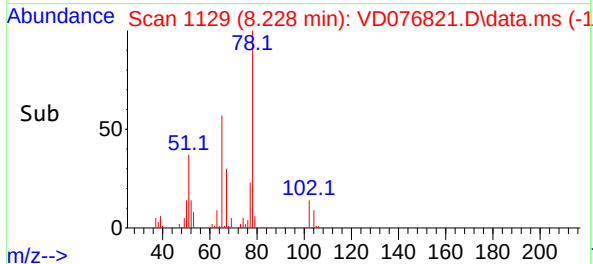
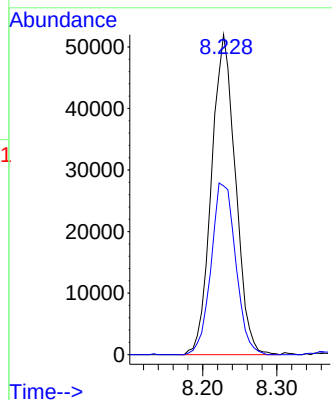
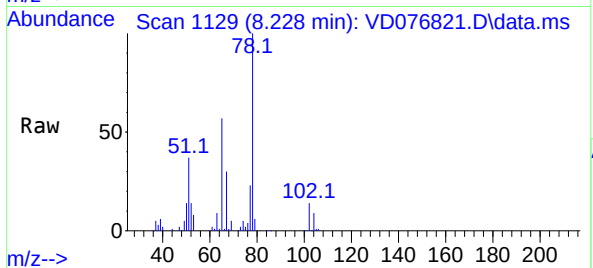




#33
 1,2-Dichloroethane-d4
 Concen: 52.836 ug/l
 RT: 8.228 min Scan# 1129
 Delta R.T. -0.000 min
 Lab File: VD076821.D
 Acq: 26 Jul 2023 22:29

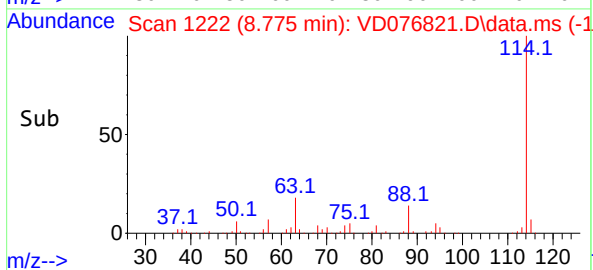
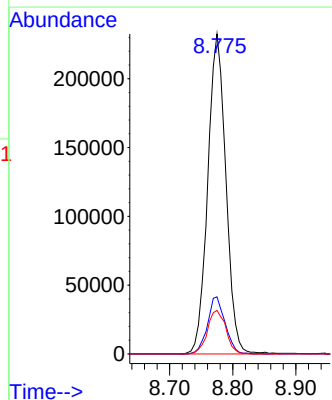
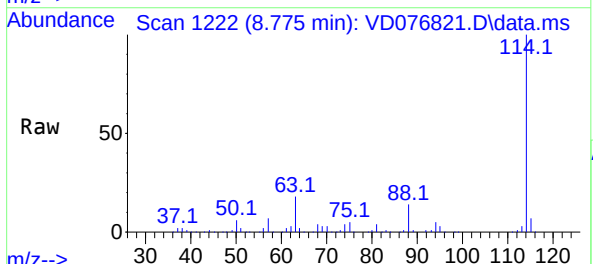
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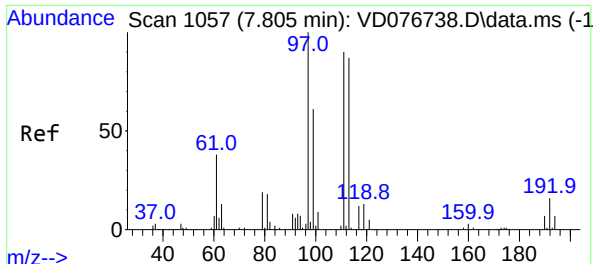
Tgt Ion: 65 Resp: 116642
 Ion Ratio Lower Upper
 65 100
 67 55.1 0.0 115.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.775 min Scan# 1222
 Delta R.T. -0.000 min
 Lab File: VD076821.D
 Acq: 26 Jul 2023 22:29

Tgt Ion: 114 Resp: 464665
 Ion Ratio Lower Upper
 114 100
 63 17.8 0.0 33.4
 88 13.6 0.0 26.2

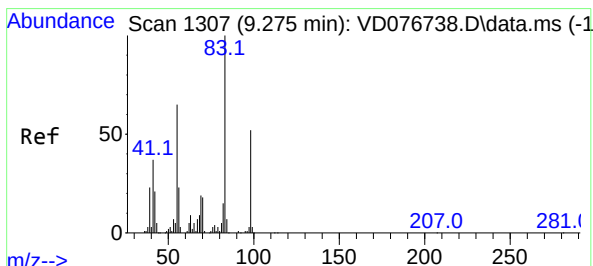
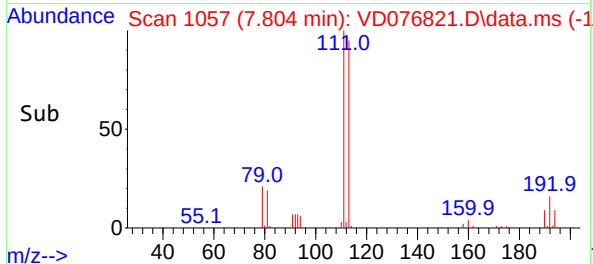
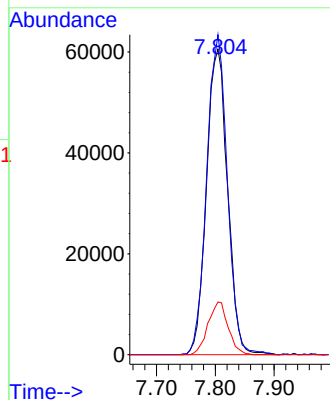
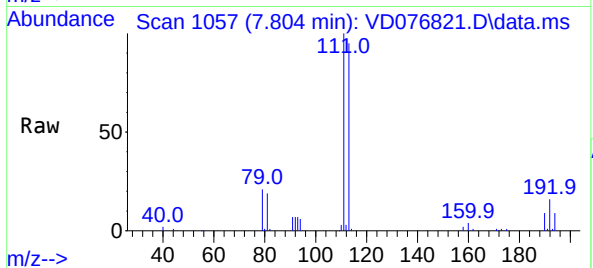




#35
Dibromofluoromethane
Concen: 51.605 ug/l
RT: 7.804 min Scan# 1057
Delta R.T. -0.001 min
Lab File: VD076821.D
Acq: 26 Jul 2023 22:29

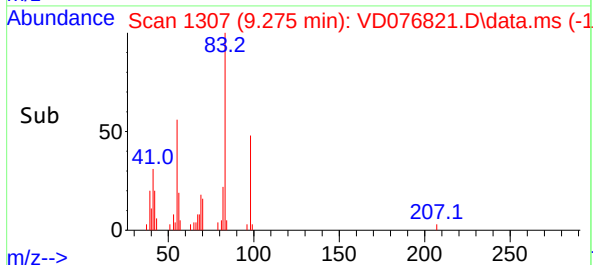
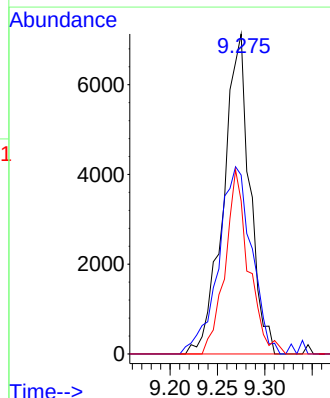
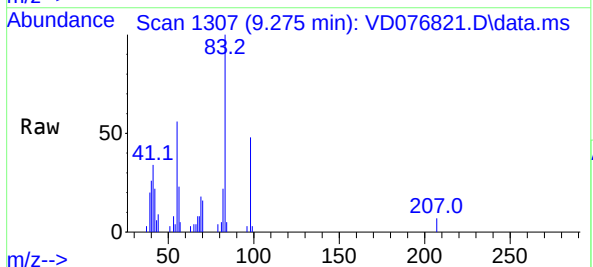
Instrument :
MSVOA_D
ClientSampleId :
BUILDING-A-12-(0-5)

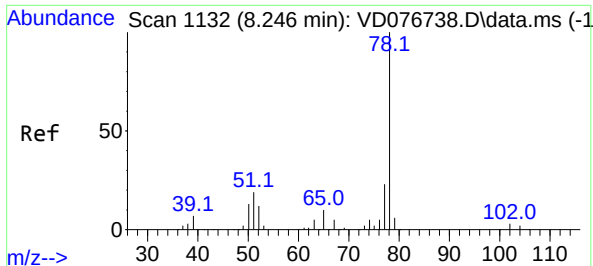
Tgt Ion:113 Resp: 150687
Ion Ratio Lower Upper
113 100
111 102.9 84.7 127.1
192 16.5 16.8 25.2#



#39
Methylcyclohexane
Concen: 3.137 ug/l
RT: 9.275 min Scan# 1307
Delta R.T. -0.000 min
Lab File: VD076821.D
Acq: 26 Jul 2023 22:29

Tgt Ion: 83 Resp: 13820
Ion Ratio Lower Upper
83 100
55 55.9 49.4 74.0
98 47.8 38.4 57.6

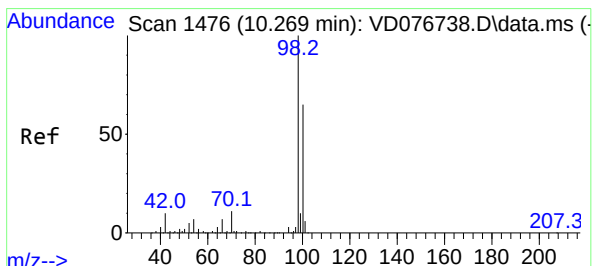
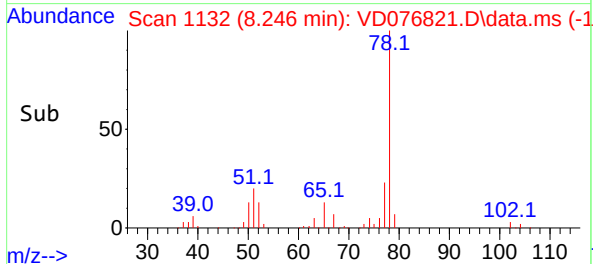
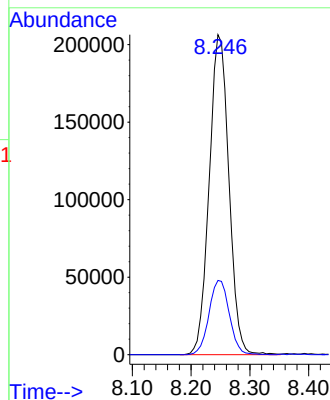
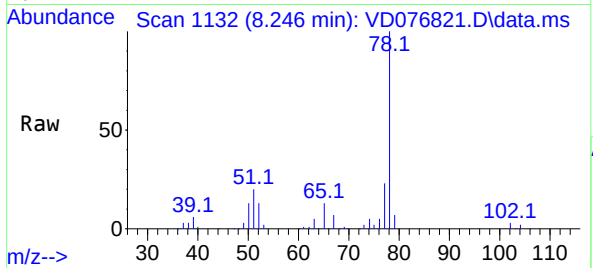




#40
Benzene
Concen: 39.841 ug/l
RT: 8.246 min Scan# 1132
Delta R.T. -0.000 min
Lab File: VD076821.D
Acq: 26 Jul 2023 22:29

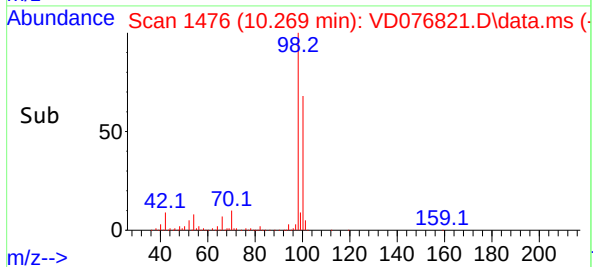
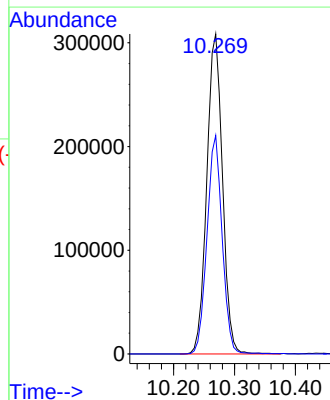
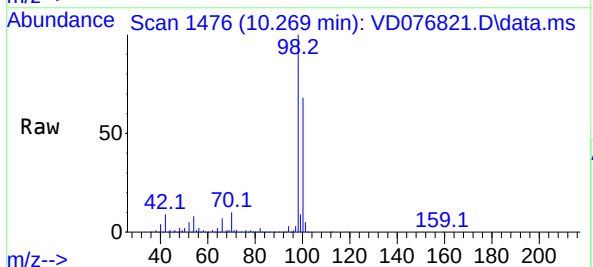
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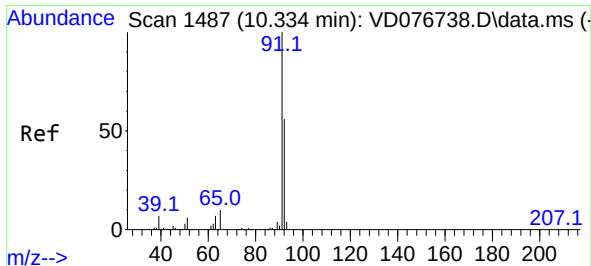
Tgt Ion: 78 Resp: 479658
Ion Ratio Lower Upper
78 100
77 23.2 19.4 29.0



#50
Toluene-d8
Concen: 52.843 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD076821.D
Acq: 26 Jul 2023 22:29

Tgt Ion: 98 Resp: 551992
Ion Ratio Lower Upper
98 100
100 66.1 50.3 75.5

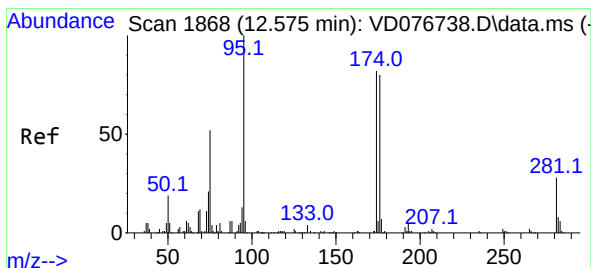
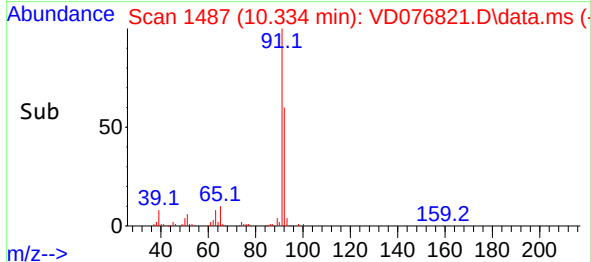
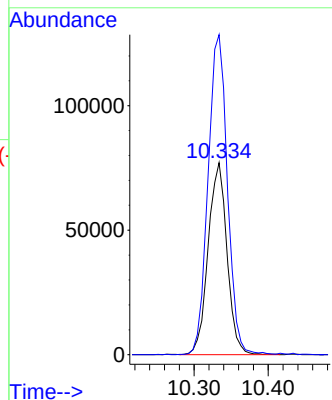
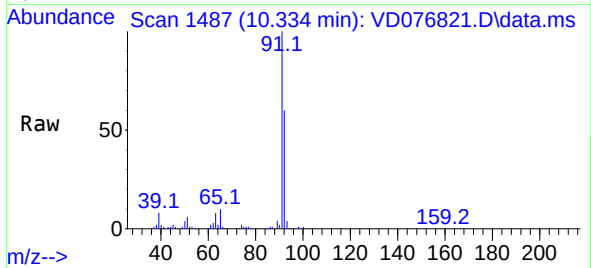




#52
Toluene
Concen: 17.290 ug/l
RT: 10.334 min Scan# 1487
Delta R.T. -0.000 min
Lab File: VD076821.D
Acq: 26 Jul 2023 22:29

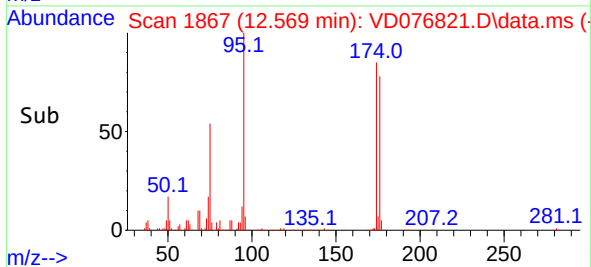
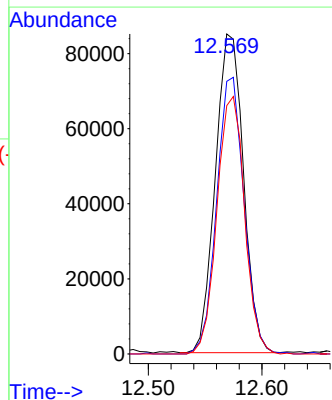
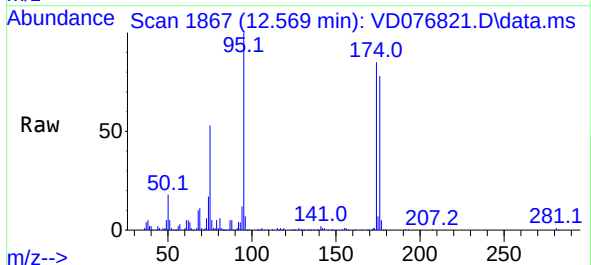
Instrument :
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BUILDING-A-12-(0-5)

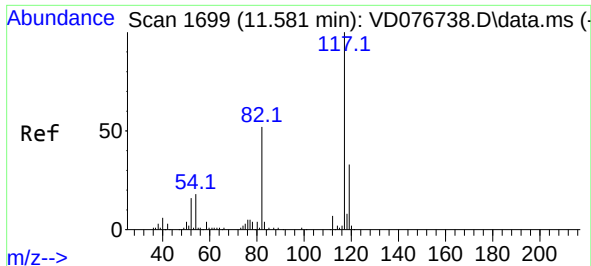
Tgt Ion: 92 Resp: 136711
Ion Ratio Lower Upper
92 100
91 171.0 143.0 214.4



#62
4-Bromofluorobenzene
Concen: 43.158 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. -0.006 min
Lab File: VD076821.D
Acq: 26 Jul 2023 22:29

Tgt Ion: 95 Resp: 145843
Ion Ratio Lower Upper
95 100
174 84.8 0.0 201.8
176 79.5 0.0 191.8

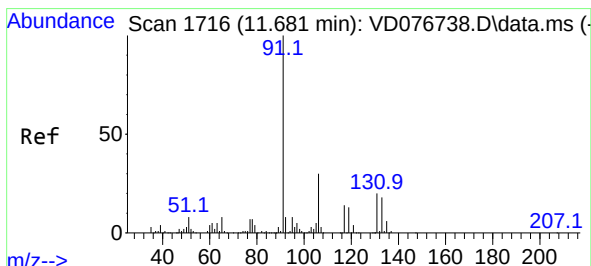
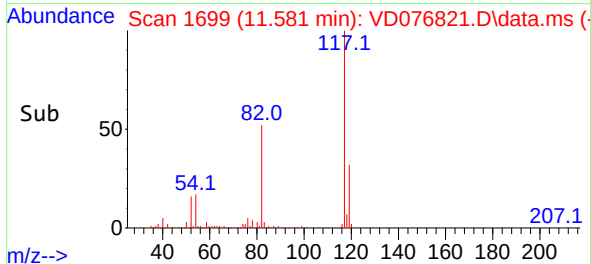
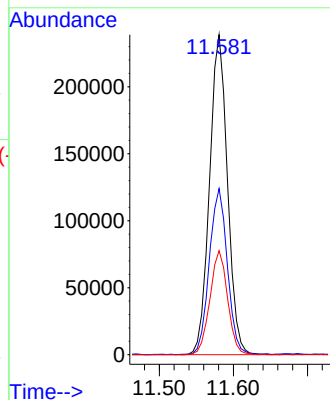
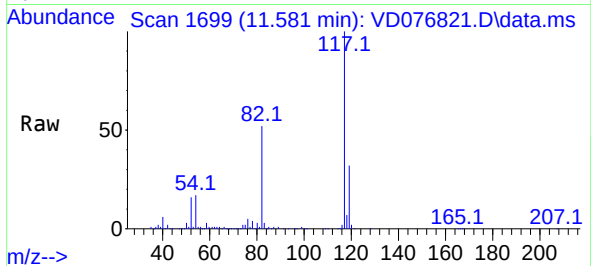




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. -0.000 min
Lab File: VD076821.D
Acq: 26 Jul 2023 22:29

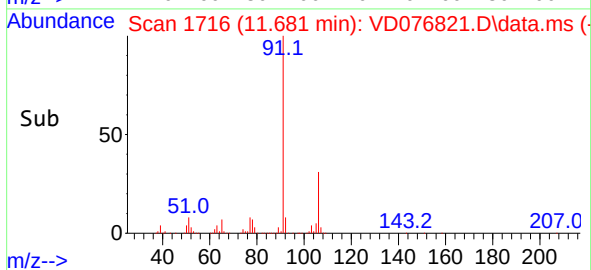
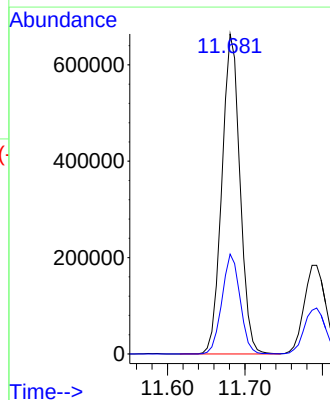
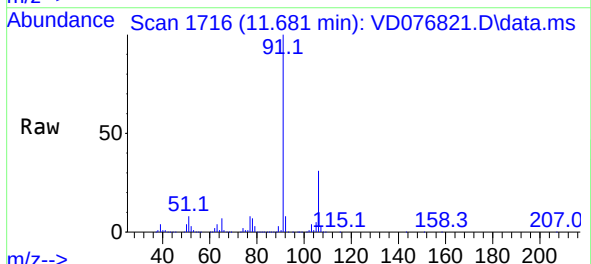
Instrument :
MSVOA_D
ClientSampleId :
BUILDING-A-12-(0-5)

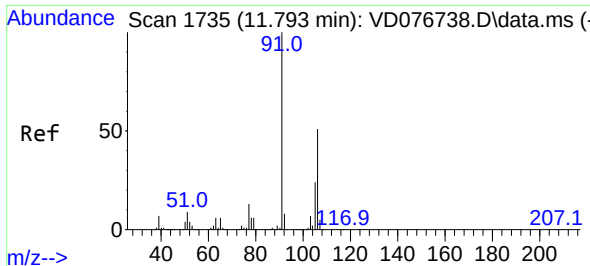
Tgt Ion:117 Resp: 401199
Ion Ratio Lower Upper
117 100
82 51.8 38.3 57.5
119 32.5 25.0 37.4



#67
Ethyl Benzene
Concen: 76.103 ug/l
RT: 11.681 min Scan# 1716
Delta R.T. -0.000 min
Lab File: VD076821.D
Acq: 26 Jul 2023 22:29

Tgt Ion: 91 Resp: 1078433
Ion Ratio Lower Upper
91 100
106 31.2 26.5 39.7

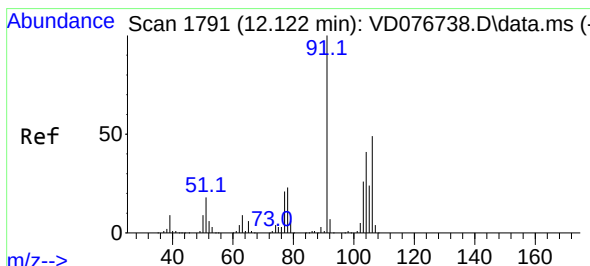
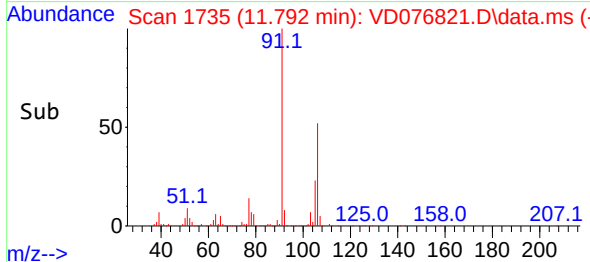
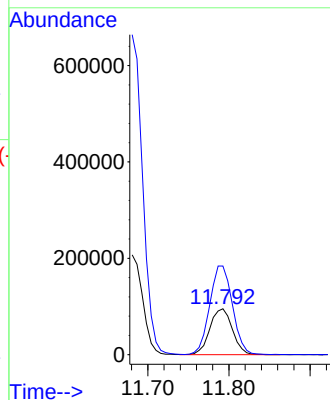
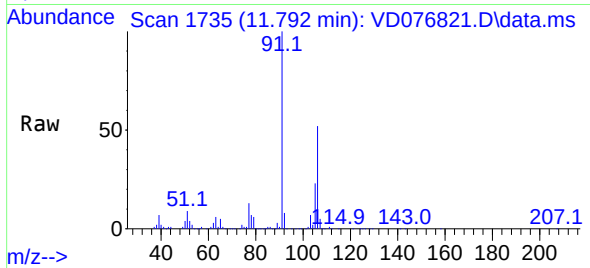




#68
m/p-Xylenes
Concen: 33.635 ug/l
RT: 11.792 min Scan# 1735
Delta R.T. -0.001 min
Lab File: VD076821.D
Acq: 26 Jul 2023 22:29

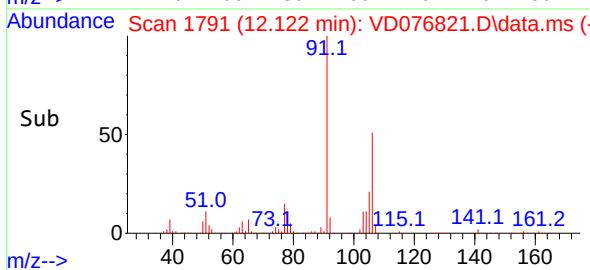
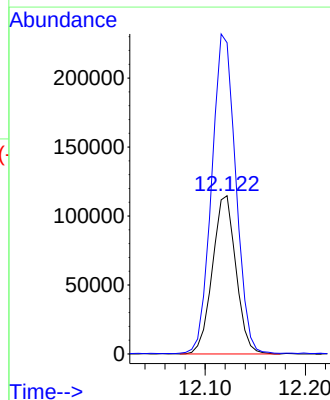
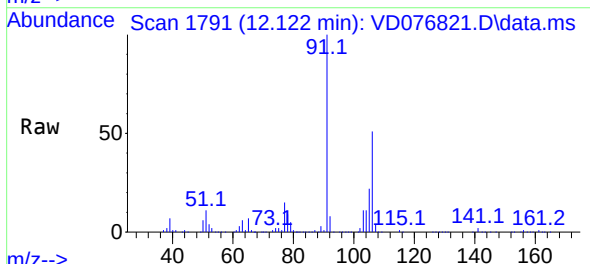
Instrument :
MSVOA_D
ClientSampleId :
BUILDING-A-12-(0-5)

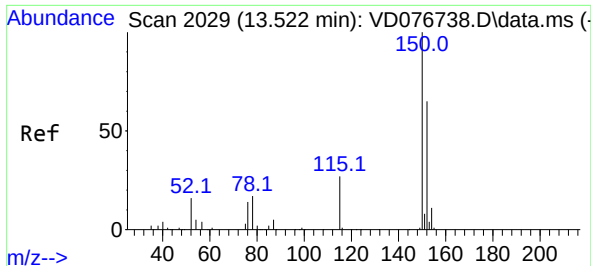
Tgt Ion:106 Resp: 183052
Ion Ratio Lower Upper
106 100
91 195.0 147.0 220.6



#69
o-Xylene
Concen: 35.438 ug/l
RT: 12.122 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VD076821.D
Acq: 26 Jul 2023 22:29

Tgt Ion:106 Resp: 186506
Ion Ratio Lower Upper
106 100
91 207.1 97.9 293.6

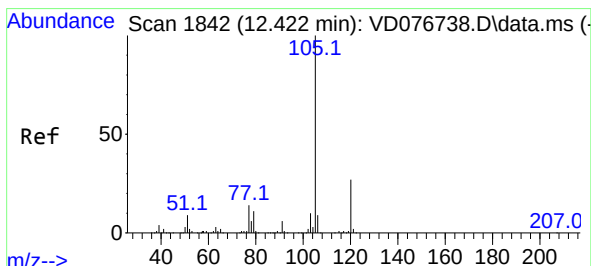
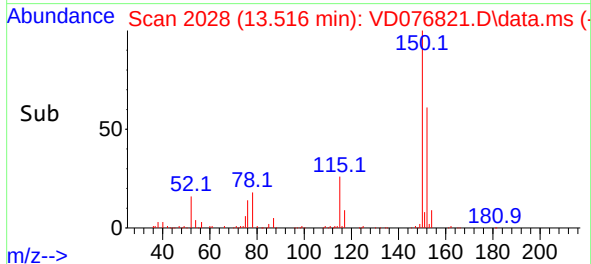
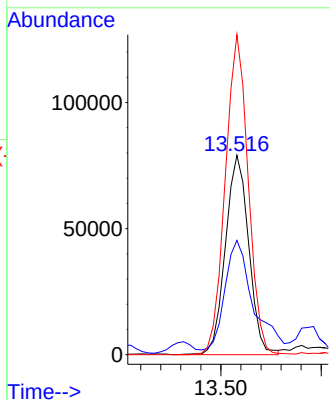
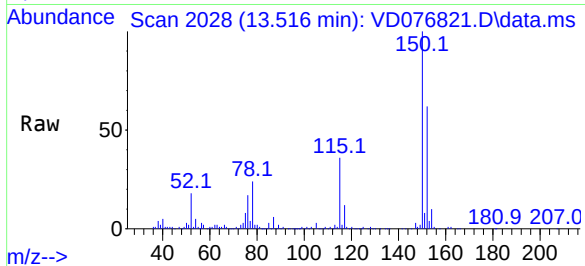




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 2028
Delta R.T. -0.006 min
Lab File: VD076821.D
Acq: 26 Jul 2023 22:29

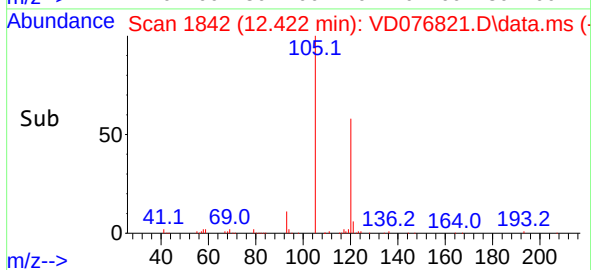
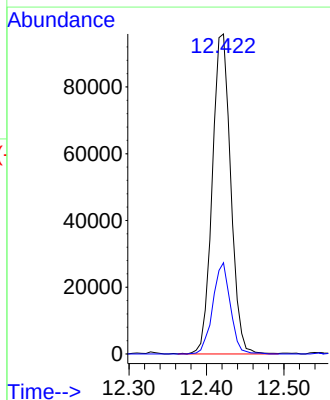
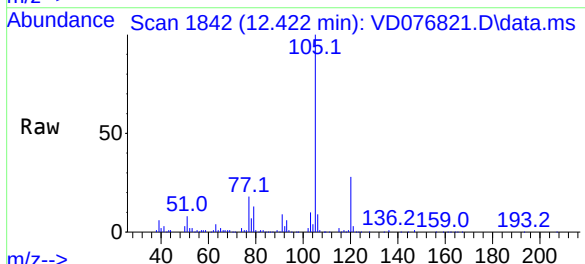
Instrument :
MSVOA_D
ClientSampleId :
BUILDING-A-12-(0-5)

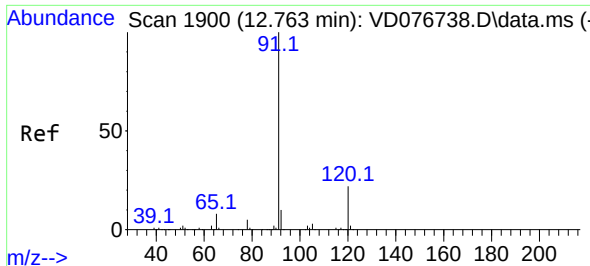
Tgt Ion:152 Resp: 127651
Ion Ratio Lower Upper
152 100
115 65.2 27.1 81.3
150 157.8 0.0 353.6



#73
Isopropylbenzene
Concen: 17.102 ug/l
RT: 12.422 min Scan# 1842
Delta R.T. -0.000 min
Lab File: VD076821.D
Acq: 26 Jul 2023 22:29

Tgt Ion:105 Resp: 158390
Ion Ratio Lower Upper
105 100
120 27.2 14.3 42.9

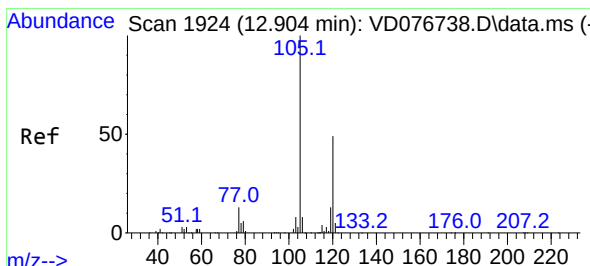
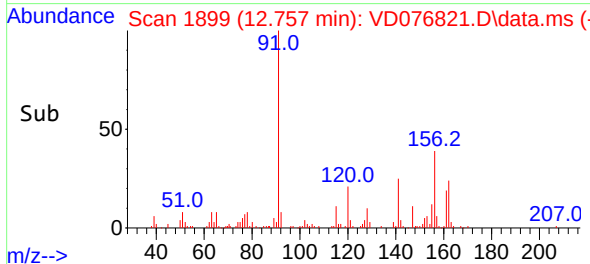
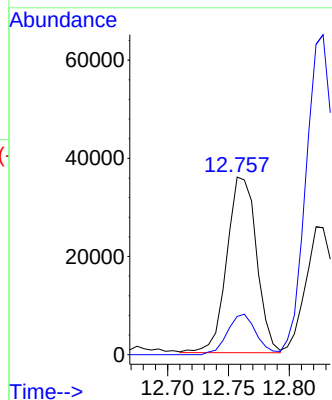
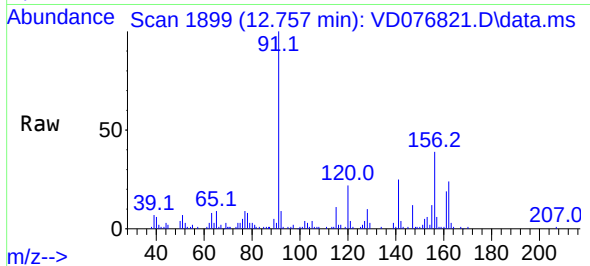




#78
n-propylbenzene
Concen: 5.405 ug/l
RT: 12.757 min Scan# 1899
Delta R.T. -0.006 min
Lab File: VD076821.D
Acq: 26 Jul 2023 22:29

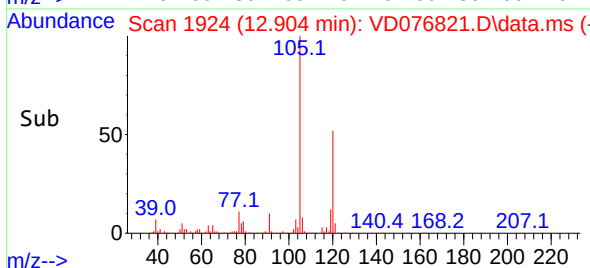
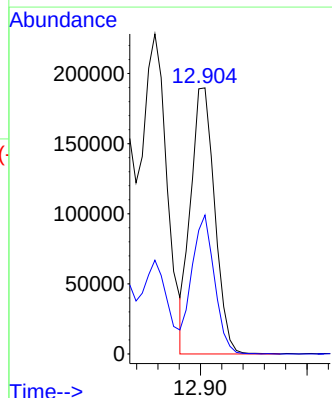
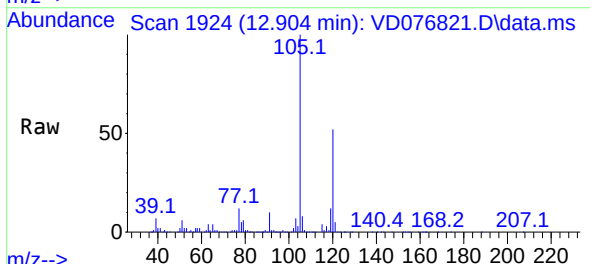
Instrument :
MSVOA_D
ClientSampleId :
BUILDING-A-12-(0-5)

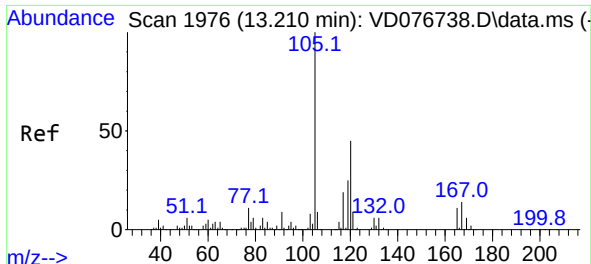
Tgt Ion: 91 Resp: 60687
Ion Ratio Lower Upper
91 100
120 22.5 12.4 37.2



#80
1,3,5-Trimethylbenzene
Concen: 39.793 ug/l
RT: 12.904 min Scan# 1924
Delta R.T. 0.000 min
Lab File: VD076821.D
Acq: 26 Jul 2023 22:29

Tgt Ion:105 Resp: 297995
Ion Ratio Lower Upper
105 100
120 49.1 26.4 79.2

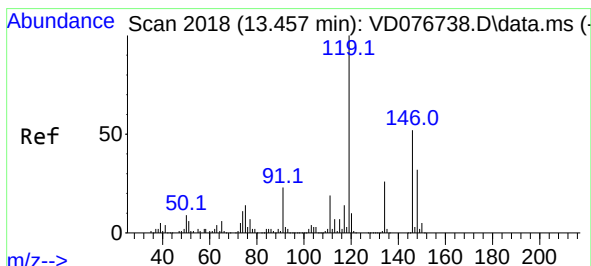
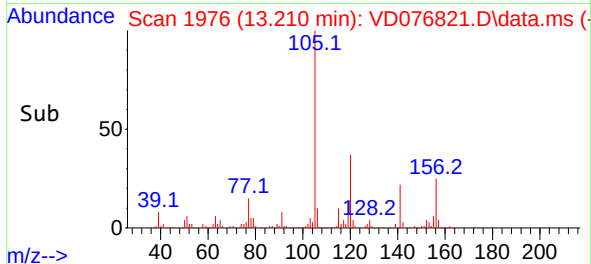
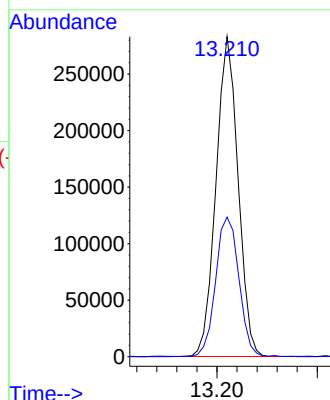
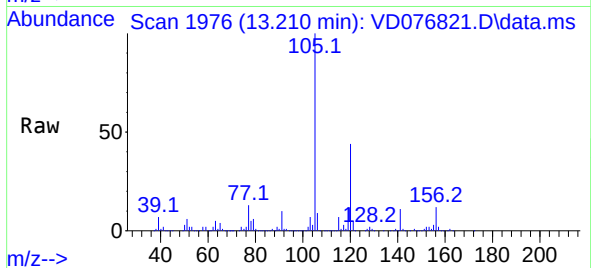




#84
1,2,4-Trimethylbenzene
Concen: 56.495 ug/l
RT: 13.210 min Scan# 1976
Delta R.T. 0.000 min
Lab File: VD076821.D
Acq: 26 Jul 2023 22:29

Instrument :
MSVOA_D
ClientSampleId :
BUILDING-A-12-(0-5)

Tgt Ion:105 Resp: 432334
Ion Ratio Lower Upper
105 100
120 46.1 24.3 72.9



#86
p-Isopropyltoluene
Concen: 7.673 ug/l
RT: 13.457 min Scan# 2018
Delta R.T. 0.000 min
Lab File: VD076821.D
Acq: 26 Jul 2023 22:29

Tgt Ion:119 Resp: 63839
Ion Ratio Lower Upper
119 100
134 25.8 14.2 42.6
91 29.0 10.5 31.5

