

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD072623\
 Data File : VD076822.D
 Acq On : 26 Jul 2023 22:57
 Operator : KP/SY
 Sample : 03775-04
 Misc : 5.51G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 BUILDING-A-6-(5-10)

Manual Integrations
 APPROVED

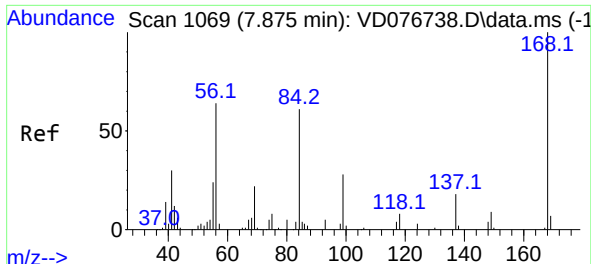
Reviewed By : Semsettin Yesilyurt 07/27/2023
 Supervised By : Mahesh Dadoda 07/27/2023

Quant Time: Jul 27 04:29:16 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)

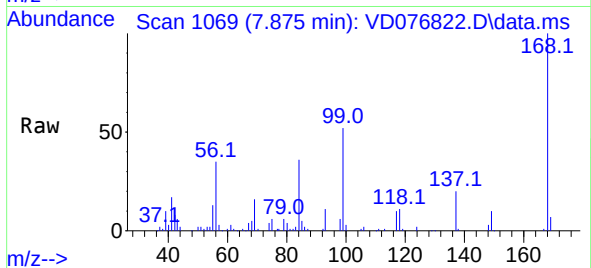
Internal Standards						
1) Pentafluorobenzene	7.875	168	113215	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	324612	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	179238	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	38749	50.000	ug/l	# 0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.257	65	84855	75.249	ug/l	0.03
Spiked Amount 50.000	Range 50 - 163		Recovery = 150.500%			
35) Dibromofluoromethane	7.804	113	111117	54.472	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 108.940%			
50) Toluene-d8	10.275	98	316955	43.434	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 86.860%			
62) 4-Bromofluorobenzene	12.575	95	58318	24.703	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 49.400%			
Target Compounds						
						Qvalue
16) Acetone	4.016	43	22268	82.686	ug/l	89
17) Carbon Disulfide	4.263	76	131421	50.296	ug/l	99
31) Cyclohexane	7.875	56	44060	26.549	ug/l #	93
39) Methylcyclohexane	9.269	83	95519	31.034	ug/l	98
40) Benzene	8.228	78	49363082m	5869.197	ug/l	
52) Toluene	10.322	92	40912242m	7406.428	ug/l	
67) Ethyl Benzene	11.669	91	39506970m	6240.398	ug/l	
68) m/p-Xylenes	11.787	106	32109790m	13206.241	ug/l	
69) o-Xylene	12.116	106	24969785m	10619.932	ug/l	
70) Styrene	12.140	104	19615944m	4765.844	ug/l	
73) Isopropylbenzene	12.422	105	6711639	2387.363	ug/l	98
78) n-propylbenzene	12.763	91	2366603	694.381	ug/l	97
80) 1,3,5-Trimethylbenzene	12.904	105	13990406	6154.462	ug/l	89
84) 1,2,4-Trimethylbenzene	13.204	105	22151529m	9535.798	ug/l	
86) p-Isopropyltoluene	13.463	119	790183	312.882	ug/l #	77

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



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD076822.D
Acq: 26 Jul 2023 22:57

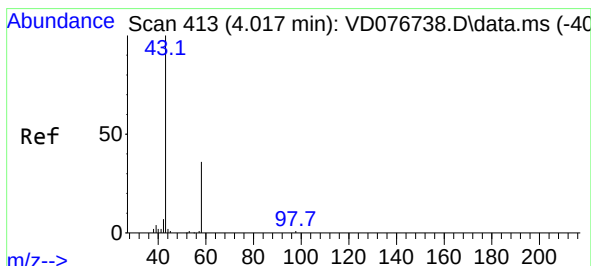
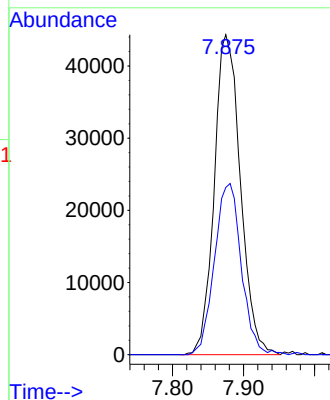
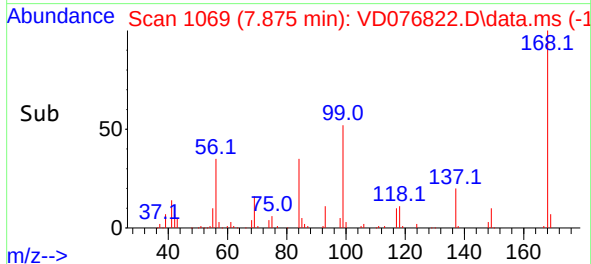
Instrument :
MSVOA_D
ClientSampleId :
BUILDING-A-6-(5-10)



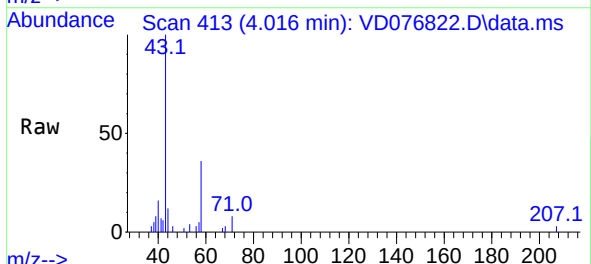
Tgt Ion:168 Resp: 113215
Ion Ratio Lower Upper
168 100
99 52.2 36.7 55.1

Manual Integrations
APPROVED

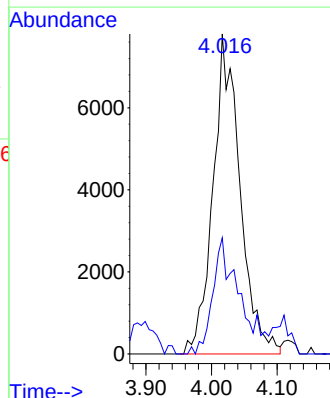
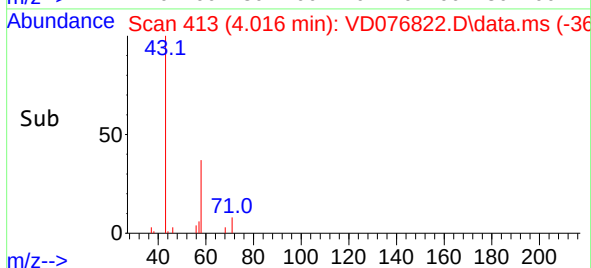
Reviewed By :Semsettin Yesilyurt 07/27/2023
Supervised By :Mahesh Dadoda 07/27/2023

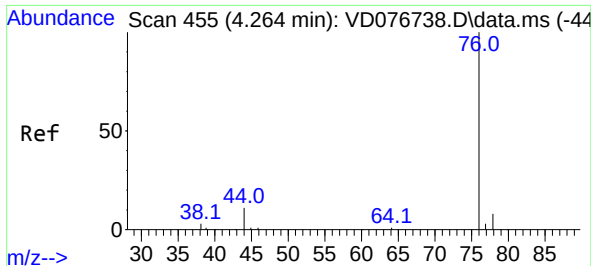


#16
Acetone
Concen: 82.686 ug/l
RT: 4.016 min Scan# 413
Delta R.T. -0.001 min
Lab File: VD076822.D
Acq: 26 Jul 2023 22:57



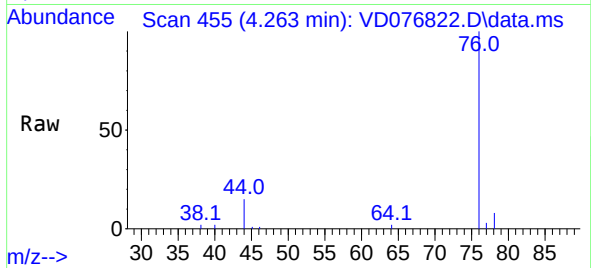
Tgt Ion: 43 Resp: 22268
Ion Ratio Lower Upper
43 100
58 36.3 34.7 52.1





#17
Carbon Disulfide
Concen: 50.296 ug/l
RT: 4.263 min Scan# 418
Delta R.T. -0.001 min
Lab File: VD076822.D
Acq: 26 Jul 2023 22:57

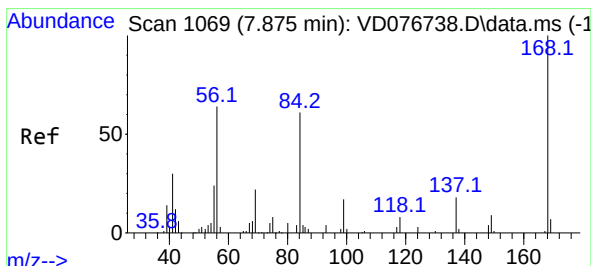
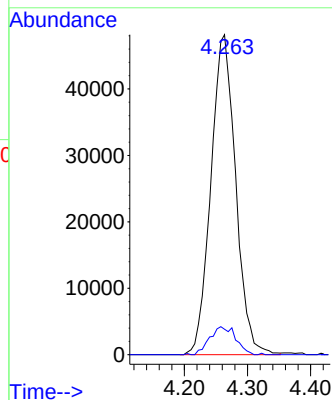
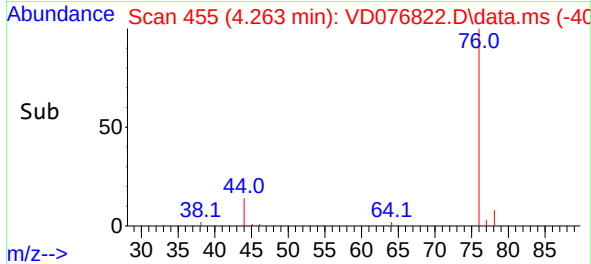
Instrument :
MSVOA_D
ClientSampleId :
BUILDING-A-6-(5-10)



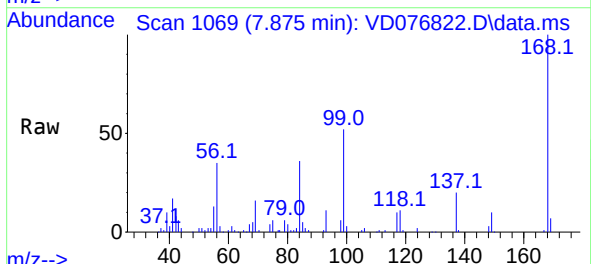
Tgt Ion: 76 Resp: 13142
Ion Ratio Lower Upper
76 100
78 8.0 6.8 10.2

Manual Integrations
APPROVED

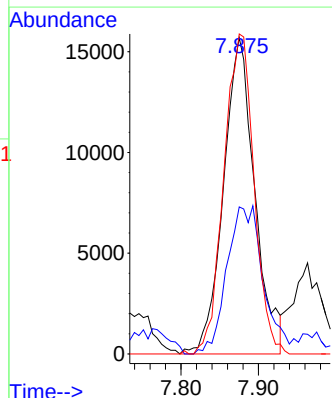
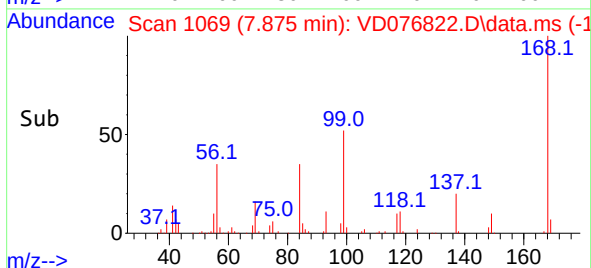
Reviewed By :Semsettin Yesilyurt 07/27/2023
Supervised By :Mahesh Dadoda 07/27/2023

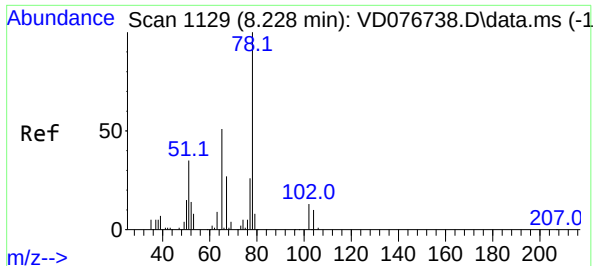


#31
Cyclohexane
Concen: 26.549 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD076822.D
Acq: 26 Jul 2023 22:57



Tgt Ion: 56 Resp: 44060
Ion Ratio Lower Upper
56 100
69 44.1 28.6 43.0#
84 101.2 84.8 127.2





#33

1,2-Dichloroethane-d4

Concen: 75.249 ug/l

RT: 8.257 min Scan# 1129

Delta R.T. 0.029 min

Lab File: VD076822.D

Acq: 26 Jul 2023 22:57

Instrument :

MSVOA_D

ClientSampleId :

BUILDING-A-6-(5-10)

Tgt Ion: 65 Resp: 8485

Ion Ratio Lower Upper

65 100

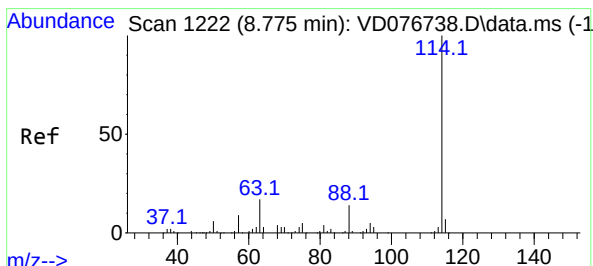
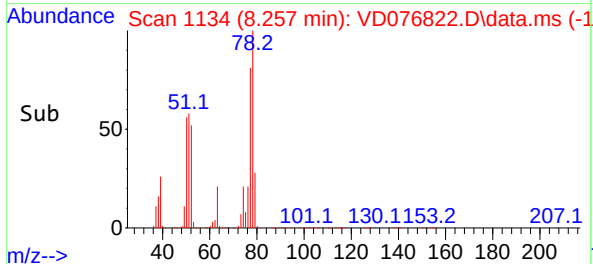
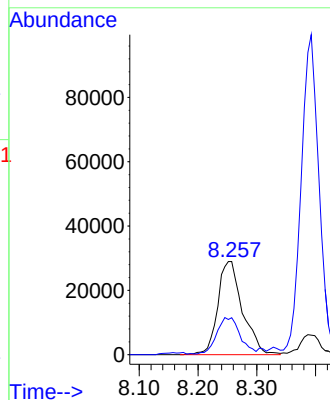
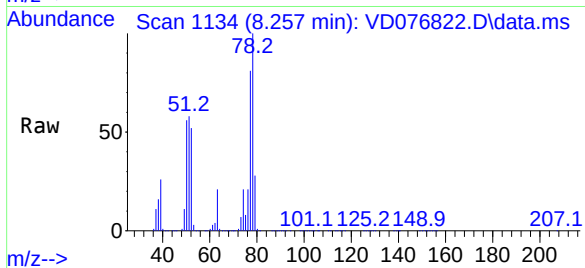
67 36.2 0.0 115.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 07/27/2023

Supervised By :Mahesh Dadoda 07/27/2023



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 1222

Delta R.T. -0.000 min

Lab File: VD076822.D

Acq: 26 Jul 2023 22:57

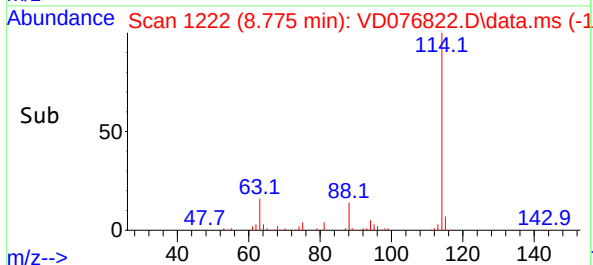
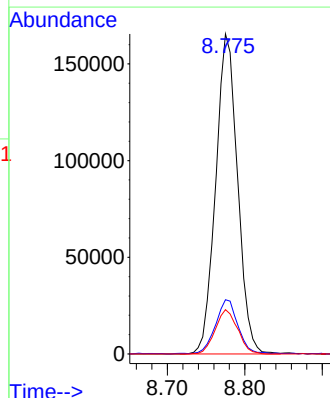
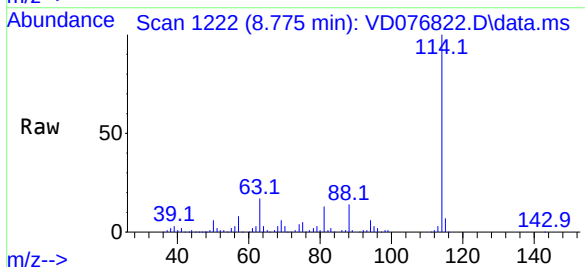
Tgt Ion:114 Resp: 324612

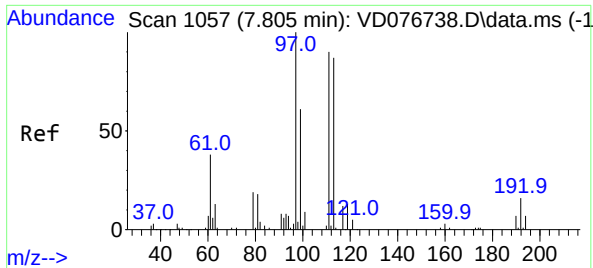
Ion Ratio Lower Upper

114 100

63 16.8 0.0 33.4

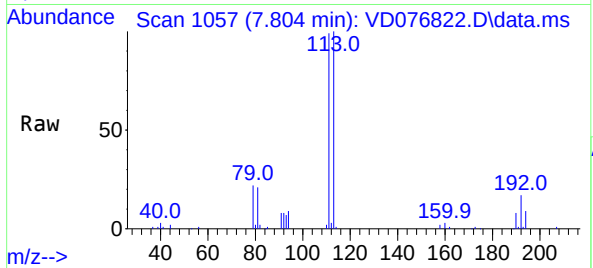
88 13.8 0.0 26.2





#35
Dibromofluoromethane
Concen: 54.472 ug/l
RT: 7.804 min Scan# 1111
Delta R.T. -0.001 min
Lab File: VD076822.D
Acq: 26 Jul 2023 22:57

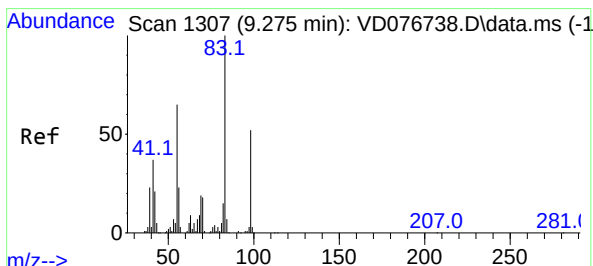
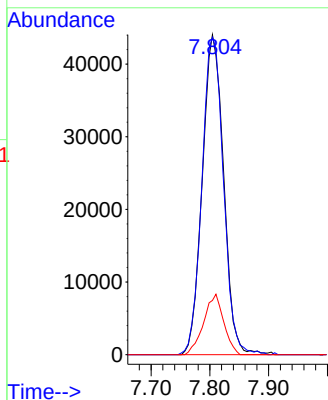
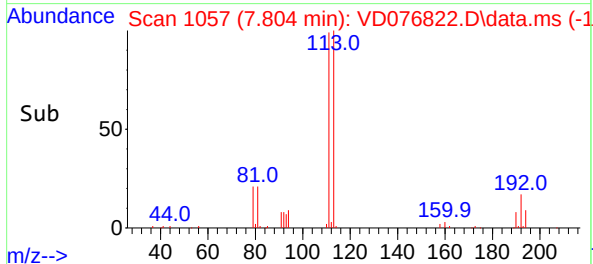
Instrument :
MSVOA_D
ClientSampleId :
BUILDING-A-6-(5-10)



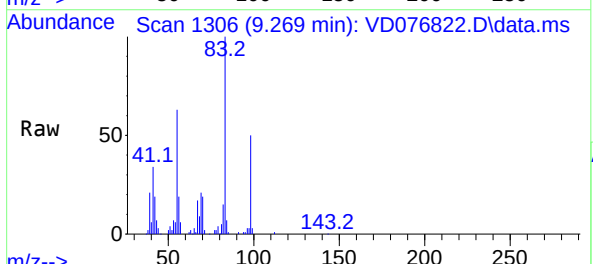
Tgt Ion: 113 Resp: 11111
Ion Ratio Lower Upper
113 100
111 100.0 84.7 127.1
192 17.8 16.8 25.2

Manual Integrations
APPROVED

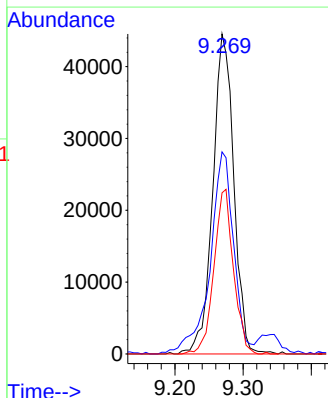
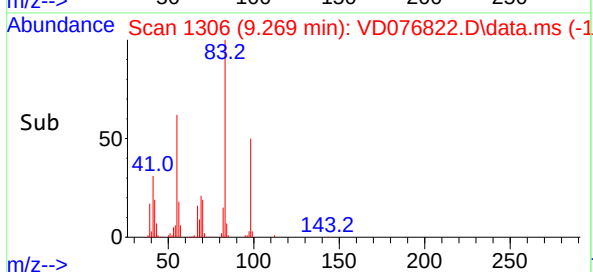
Reviewed By :Semsettin Yesilyurt 07/27/2023
Supervised By :Mahesh Dadoda 07/27/2023

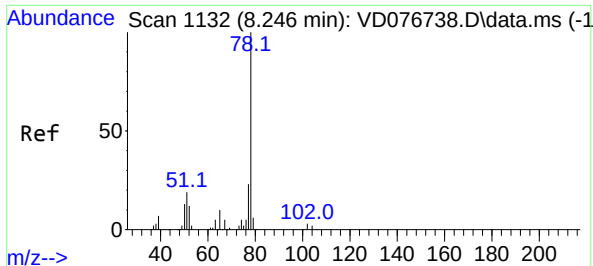


#39
Methylcyclohexane
Concen: 31.034 ug/l
RT: 9.269 min Scan# 1306
Delta R.T. -0.006 min
Lab File: VD076822.D
Acq: 26 Jul 2023 22:57



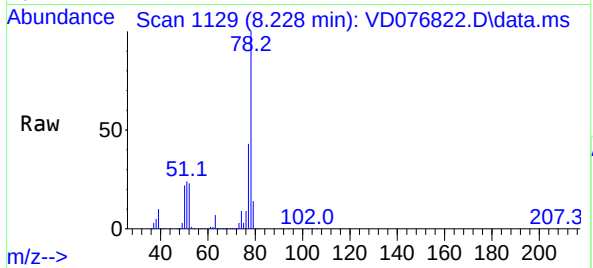
Tgt Ion: 83 Resp: 95519
Ion Ratio Lower Upper
83 100
55 61.2 49.4 74.0
98 50.4 38.4 57.6





#40
Benzene
Concen: 5869.197 ug/l m
RT: 8.228 min Scan# 1129
Delta R.T. -0.018 min
Lab File: VD076822.D
Acq: 26 Jul 2023 22:57

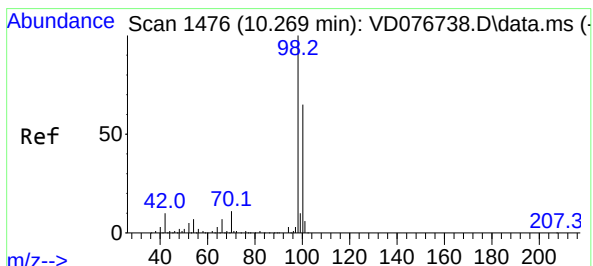
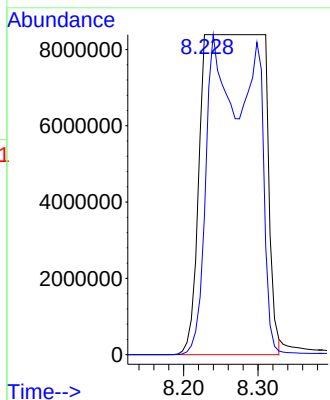
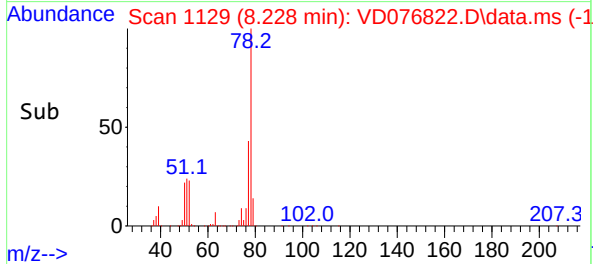
Instrument :
MSVOA_D
ClientSampleId :
BUILDING-A-6-(5-10)



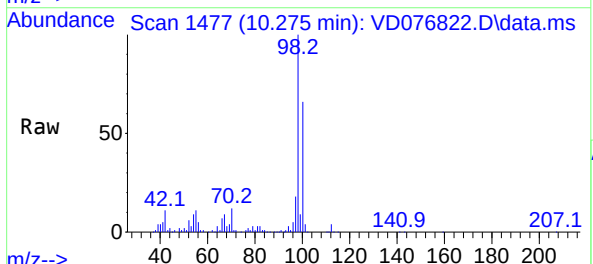
Tgt Ion: 78 Resp:4936308
Ion Ratio Lower Upper
78 100
77 43.3 19.4 29.0

Manual Integrations
APPROVED

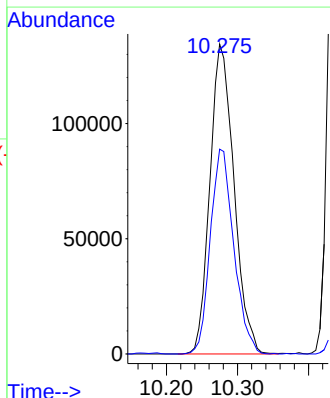
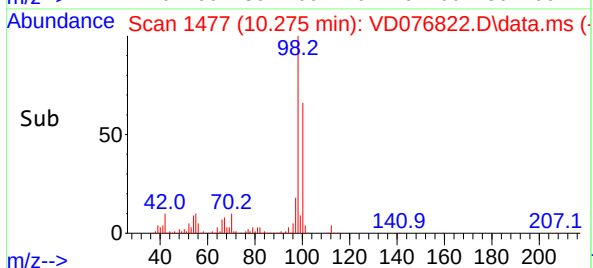
Reviewed By :Semsettin Yesilyurt 07/27/2023
Supervised By :Mahesh Dadoda 07/27/2023

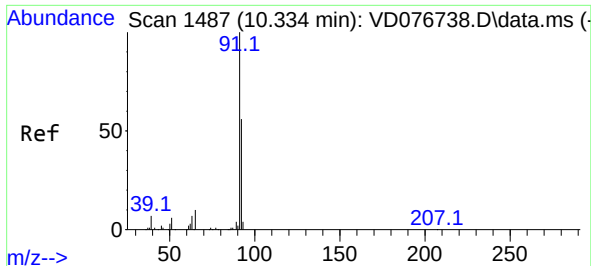


#50
Toluene-d8
Concen: 43.434 ug/l
RT: 10.275 min Scan# 1477
Delta R.T. 0.006 min
Lab File: VD076822.D
Acq: 26 Jul 2023 22:57



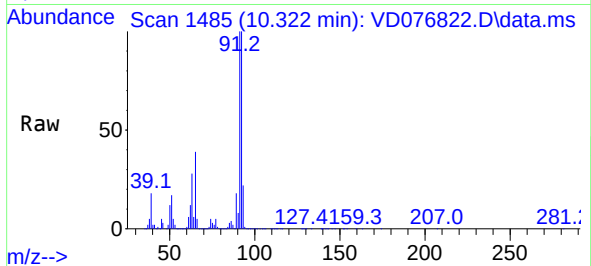
Tgt Ion: 98 Resp: 316955
Ion Ratio Lower Upper
98 100
100 64.4 50.3 75.5





#52
Toluene
Concen: 7406.428 ug/l m
RT: 10.322 min Scan# 1485
Delta R.T. -0.012 min
Lab File: VD076822.D
Acq: 26 Jul 2023 22:57

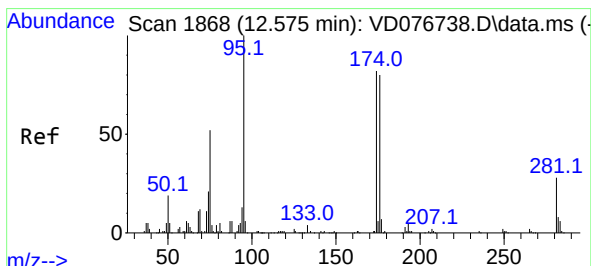
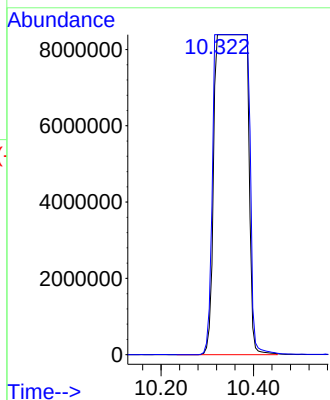
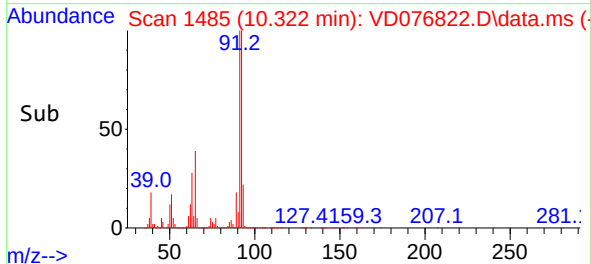
Instrument :
MSVOA_D
ClientSampleId :
BUILDING-A-6-(5-10)



Tgt Ion: 92 Resp: 4091224
Ion Ratio Lower Upper
92 100
91 0.0 143.0 214.4

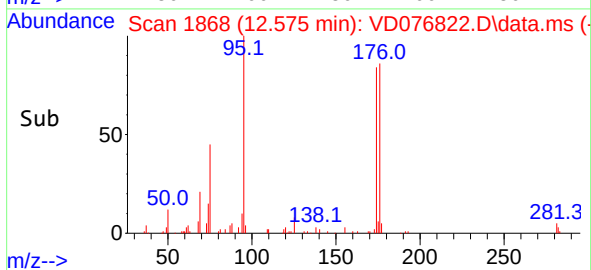
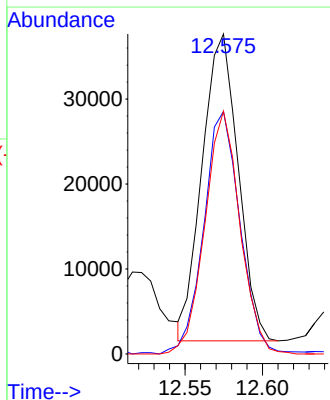
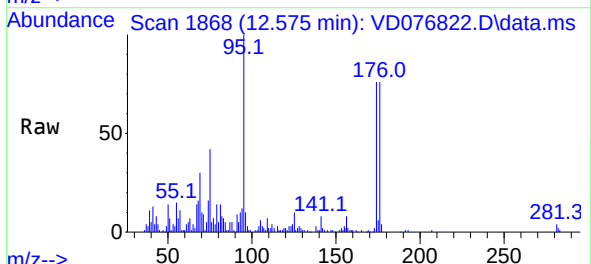
Manual Integrations
APPROVED

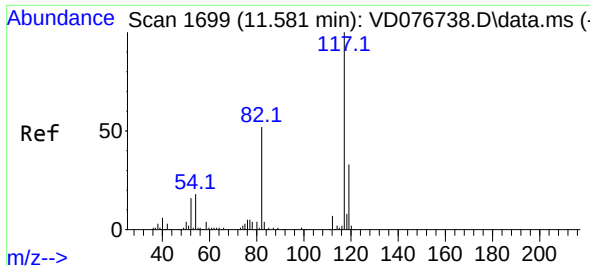
Reviewed By :Semsettin Yesilyurt 07/27/2023
Supervised By :Mahesh Dadoda 07/27/2023



#62
4-Bromofluorobenzene
Concen: 24.703 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD076822.D
Acq: 26 Jul 2023 22:57

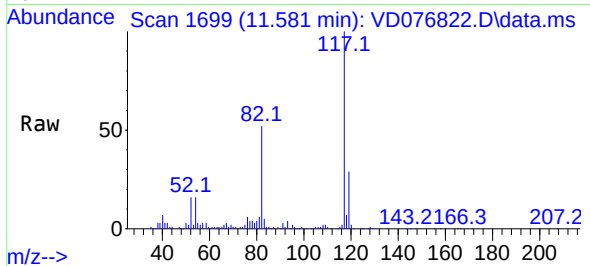
Tgt Ion: 95 Resp: 58318
Ion Ratio Lower Upper
95 100
174 78.4 0.0 201.8
176 77.1 0.0 191.8





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. -0.000 min
Lab File: VD076822.D
Acq: 26 Jul 2023 22:57

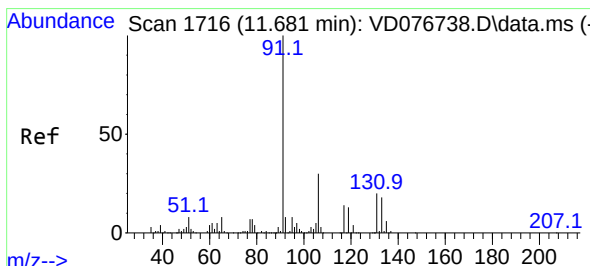
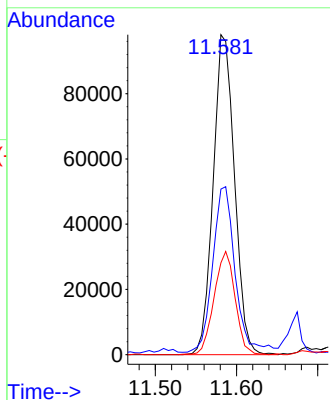
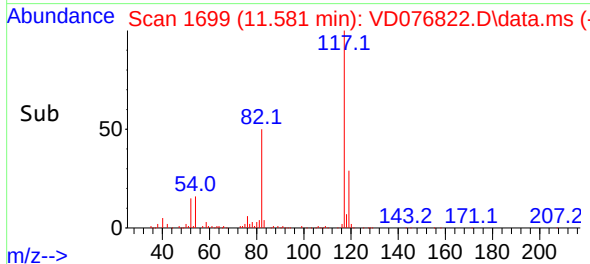
Instrument :
MSVOA_D
ClientSampleId :
BUILDING-A-6-(5-10)



Tgt Ion:117 Resp: 179238
Ion Ratio Lower Upper
117 100
82 51.0 38.3 57.5
119 28.7 25.0 37.4

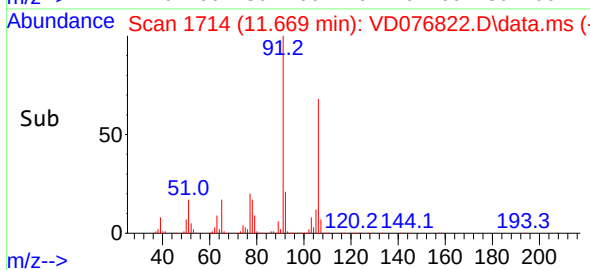
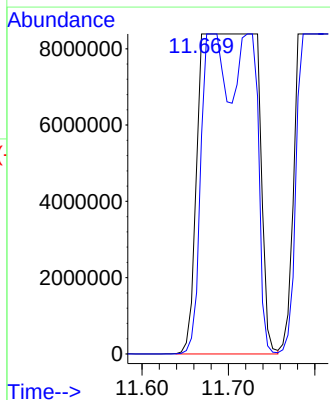
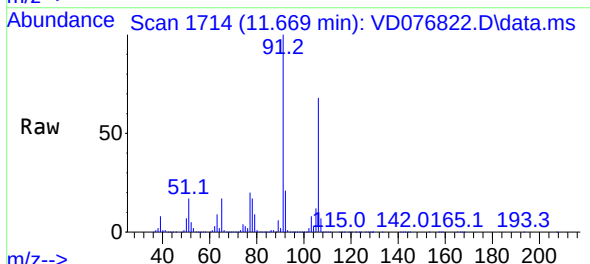
Manual Integrations
APPROVED

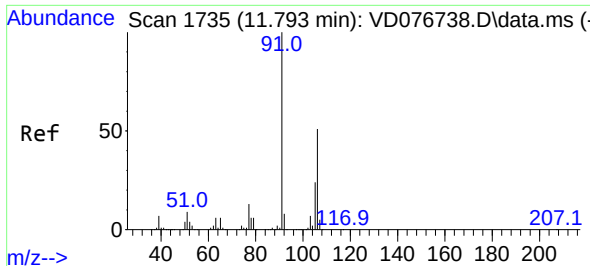
Reviewed By :Semsettin Yesilyurt 07/27/2023
Supervised By :Mahesh Dadoda 07/27/2023



#67
Ethyl Benzene
Concen: 6240.398 ug/l m
RT: 11.669 min Scan# 1714
Delta R.T. -0.012 min
Lab File: VD076822.D
Acq: 26 Jul 2023 22:57

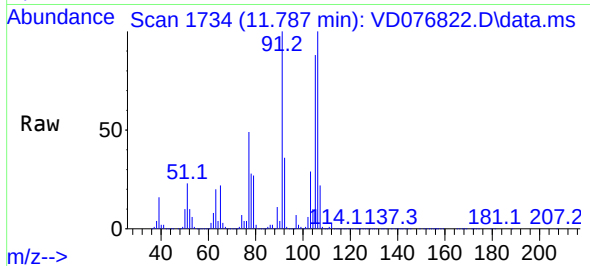
Tgt Ion: 91 Resp:39506970
Ion Ratio Lower Upper
91 100
106 68.4 26.5 39.7#





#68
m/p-Xylenes
Concen: 13206.241 ug/l m
RT: 11.787 min Scan# 1734
Delta R.T. -0.006 min
Lab File: VD076822.D
Acq: 26 Jul 2023 22:57

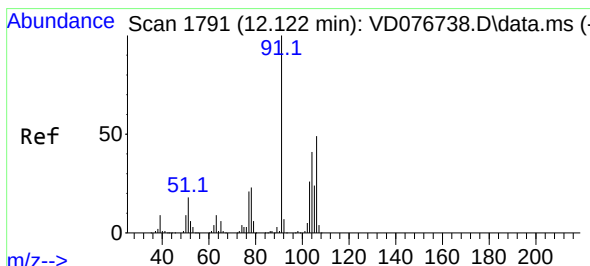
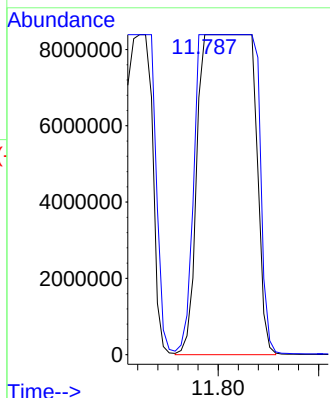
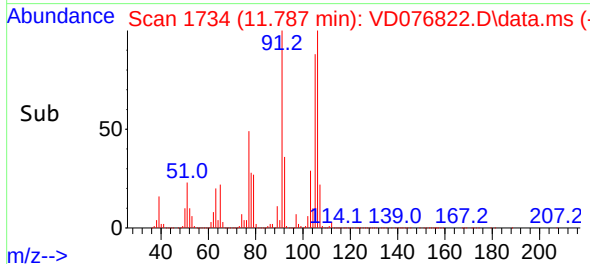
Instrument :
MSVOA_D
ClientSampleId :
BUILDING-A-6-(5-10)



Tgt Ion:106 Resp:32109790
Ion Ratio Lower Upper
106 100
91 8.2 147.0 220.6

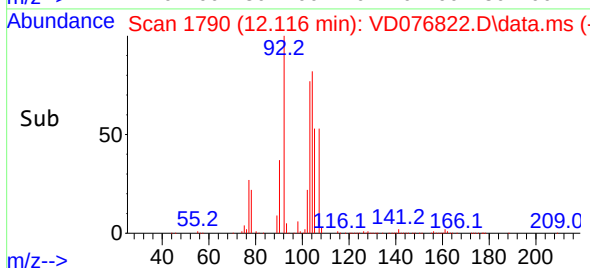
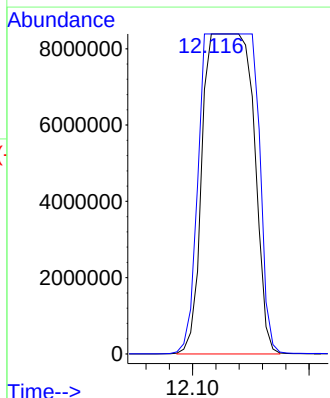
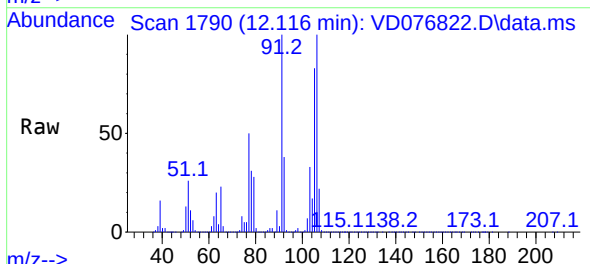
Manual Integrations
APPROVED

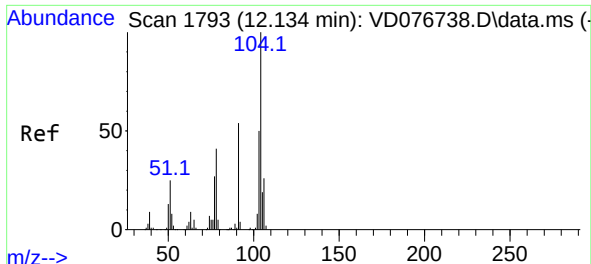
Reviewed By :Semsettin Yesilyurt 07/27/2023
Supervised By :Mahesh Dadoda 07/27/2023



#69
o-Xylene
Concen: 10619.932 ug/l m
RT: 12.116 min Scan# 1790
Delta R.T. -0.006 min
Lab File: VD076822.D
Acq: 26 Jul 2023 22:57

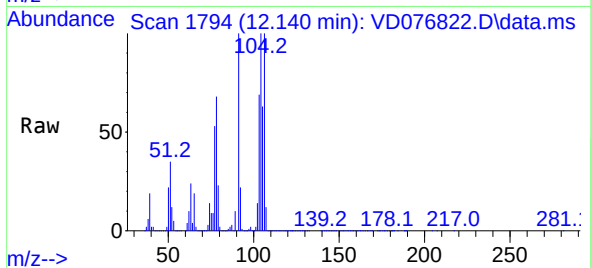
Tgt Ion:106 Resp:24969785
Ion Ratio Lower Upper
106 100
91 0.0 97.9 293.6





#70
Styrene
Concen: 4765.844 ug/l m
RT: 12.140 min Scan# 1794
Delta R.T. 0.006 min
Lab File: VD076822.D
Acq: 26 Jul 2023 22:57

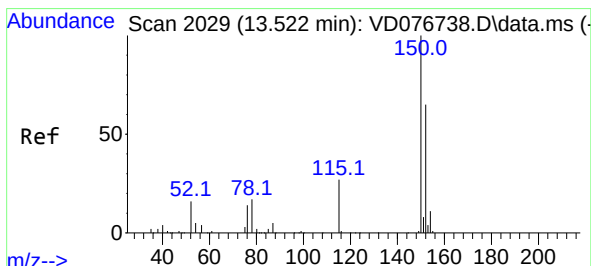
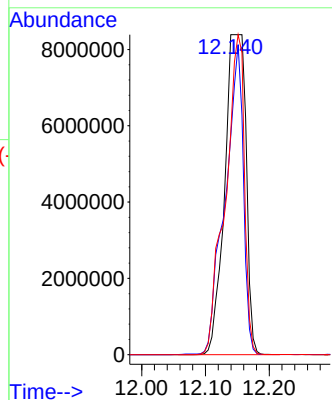
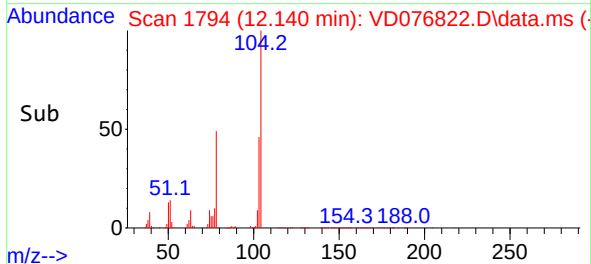
Instrument :
MSVOA_D
ClientSampleId :
BUILDING-A-6-(5-10)



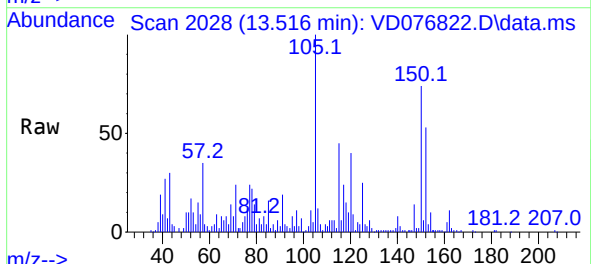
Tgt Ion:104 Resp:1961594
Ion Ratio Lower Upper
104 100
78 0.0 33.2 49.8
103 0.0 43.6 65.4

Manual Integrations
APPROVED

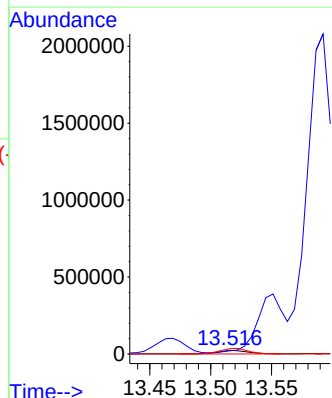
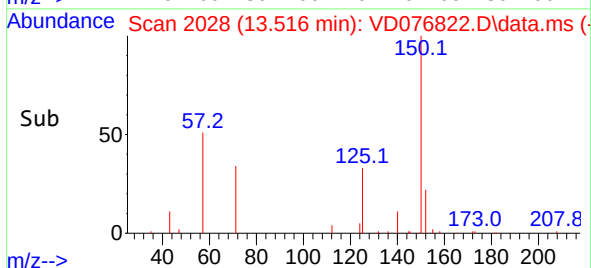
Reviewed By :Semsettin Yesilyurt 07/27/2023
Supervised By :Mahesh Dadoda 07/27/2023

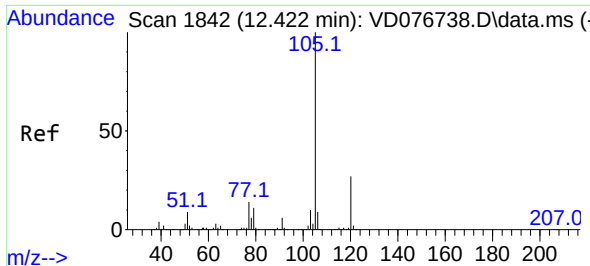


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 2028
Delta R.T. -0.006 min
Lab File: VD076822.D
Acq: 26 Jul 2023 22:57



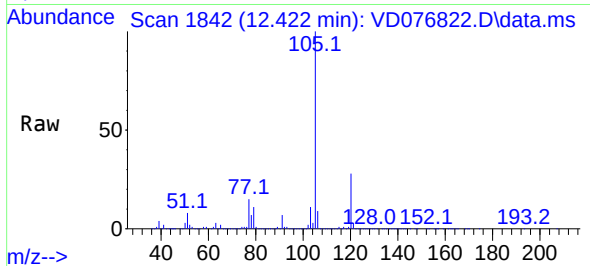
Tgt Ion:152 Resp: 38749
Ion Ratio Lower Upper
152 100
115 0.0 27.1 81.3
150 153.2 0.0 353.6





#73
Isopropylbenzene
Concen: 2387.363 ug/l
RT: 12.422 min Scan# 1842
Delta R.T. -0.000 min
Lab File: VD076822.D
Acq: 26 Jul 2023 22:57

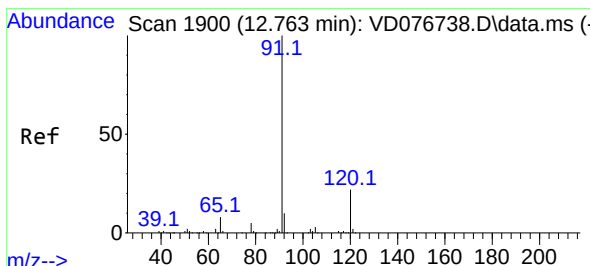
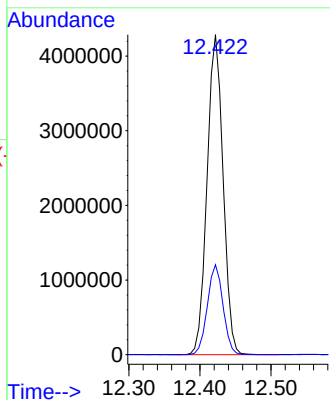
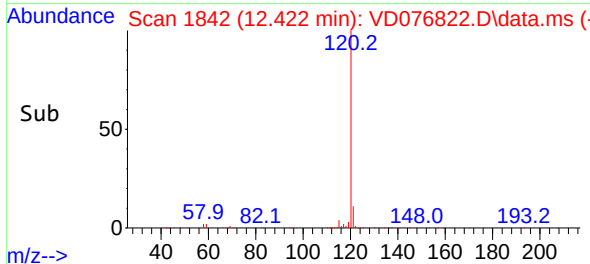
Instrument :
MSVOA_D
ClientSampleId :
BUILDING-A-6-(5-10)



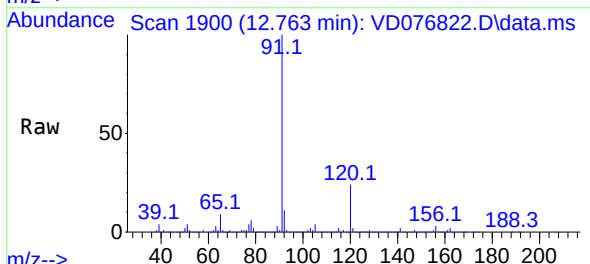
Tgt Ion:105 Resp: 6711639
Ion Ratio Lower Upper
105 100
120 27.5 14.3 42.9

Manual Integrations
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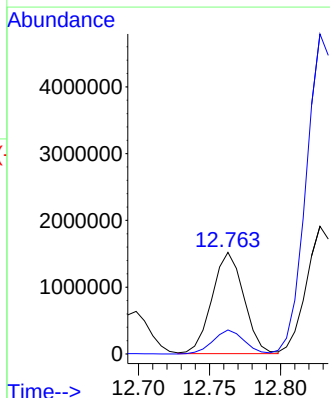
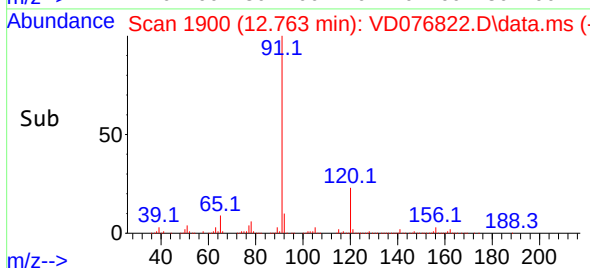
Reviewed By :Semsettin Yesilyurt 07/27/2023
Supervised By :Mahesh Dadoda 07/27/2023

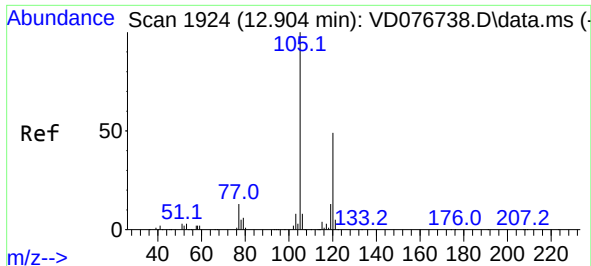


#78
n-propylbenzene
Concen: 694.381 ug/l
RT: 12.763 min Scan# 1900
Delta R.T. 0.000 min
Lab File: VD076822.D
Acq: 26 Jul 2023 22:57



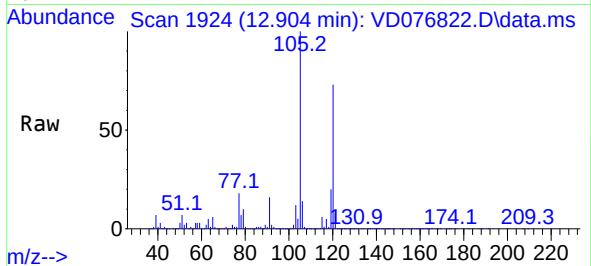
Tgt Ion: 91 Resp: 2366603
Ion Ratio Lower Upper
91 100
120 23.2 12.4 37.2





#80
1,3,5-Trimethylbenzene
Concen: 6154.462 ug/l
RT: 12.904 min Scan# 1924
Delta R.T. 0.000 min
Lab File: VD076822.D
Acq: 26 Jul 2023 22:57

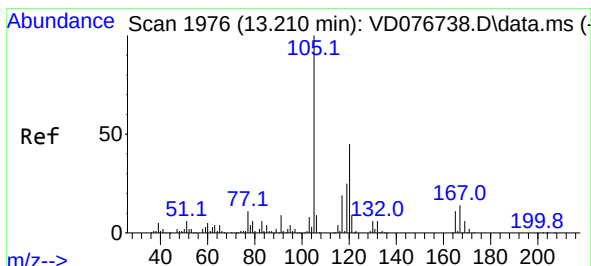
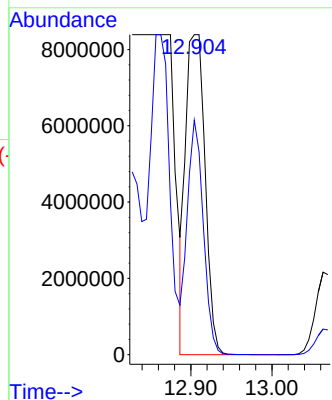
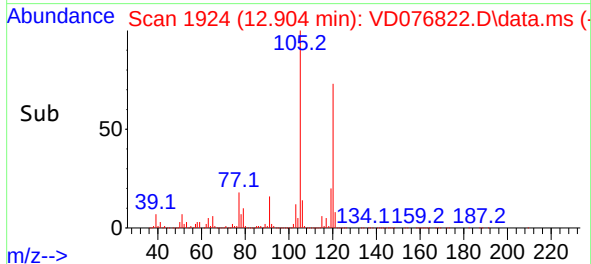
Instrument :
MSVOA_D
ClientSampleId :
BUILDING-A-6-(5-10)



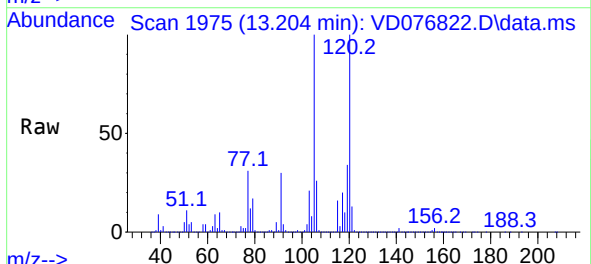
Tgt Ion:105 Resp:13990400
Ion Ratio Lower Upper
105 100
120 60.4 26.4 79.2

Manual Integrations
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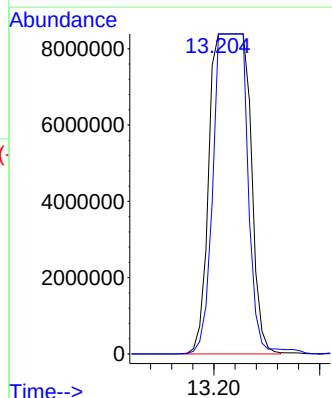
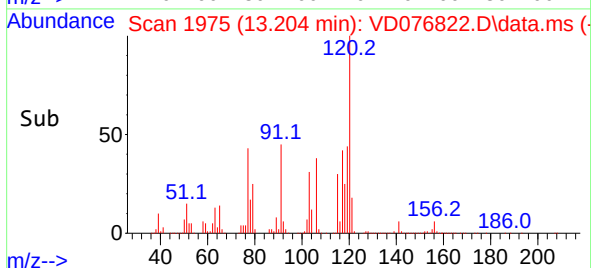
Reviewed By :Semsettin Yesilyurt 07/27/2023
Supervised By :Mahesh Dadoda 07/27/2023

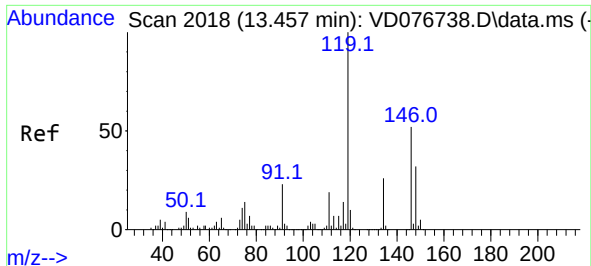


#84
1,2,4-Trimethylbenzene
Concen: 9535.798 ug/l m
RT: 13.204 min Scan# 1975
Delta R.T. -0.006 min
Lab File: VD076822.D
Acq: 26 Jul 2023 22:57



Tgt Ion:105 Resp:22151529
Ion Ratio Lower Upper
105 100
120 4.9 24.3 72.9#





#86
p-Isopropyltoluene
Concen: 312.882 ug/l
RT: 13.463 min Scan# 2018
Delta R.T. 0.006 min
Lab File: VD076822.D
Acq: 26 Jul 2023 22:57

Instrument :
MSVOA_D
ClientSampleId :
BUILDING-A-6-(5-10)

Tgt Ion:119 Resp: 790183
Ion Ratio Lower Upper
119 100
134 24.7 14.2 42.6
91 0.0 10.5 31.5

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 07/27/2023
Supervised By :Mahesh Dadoda 07/27/2023

