

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD070924\
 Data File : VD079368.D
 Acq On : 09 Jul 2024 18:22
 Operator : RP/MD
 Sample : P3141-01
 Misc : 7.63G/5.0ml/MSVOA_D/SOIL/B
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 B-140-SB00

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 07/10/2024
 Supervised By :Semsettin Yesilyurt 07/10/2024

Quant Time: Jul 10 03:06:38 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D070824S.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 08 17:06:59 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.840	168	164867	50.000	ug/l	-0.04
34) 1,4-Difluorobenzene	8.757	114	288458	50.000	ug/l	-0.02
63) Chlorobenzene-d5	11.581	117	204064	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	60361	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.210	65	79513m	40.926	ug/l	-0.02
Spiked Amount 50.000	Range 50 - 163		Recovery =	81.860%		
35) Dibromofluoromethane	7.793	113	97141	47.735	ug/l	-0.01
Spiked Amount 50.000	Range 54 - 147		Recovery =	95.460%		
50) Toluene-d8	10.257	98	360463	45.950	ug/l	-0.01
Spiked Amount 50.000	Range 58 - 134		Recovery =	91.900%		
62) 4-Bromofluorobenzene	12.575	95	77523	31.795	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery =	63.600%		
Target Compounds						
					Qvalue	
18) Methyl Acetate	4.558	43	61538	53.224	ug/l #	71
20) Methylene Chloride	4.752	84	98223m	30.226	ug/l	
31) Cyclohexane	7.816	56	33800	11.504	ug/l	89
39) Methylcyclohexane	9.246	83	130303	43.225	ug/l	89
40) Benzene	8.216	78	32179	3.888	ug/l	98
52) Toluene	10.322	92	50938	9.997	ug/l	98
67) Ethyl Benzene	11.681	91	23586	3.298	ug/l	97
68) m/p-Xylenes	11.787	106	34523	12.503	ug/l	83
69) o-Xylene	12.122	106	28305	10.956	ug/l	82
73) Isopropylbenzene	12.422	105	19085	4.737	ug/l	96
78) n-propylbenzene	12.763	91	18133	3.611	ug/l	95
80) 1,3,5-Trimethylbenzene	12.898	105	23394	6.850	ug/l	95
84) 1,2,4-Trimethylbenzene	13.210	105	47438	13.695	ug/l	100
85) sec-Butylbenzene	13.345	105	10983	2.513	ug/l	80

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

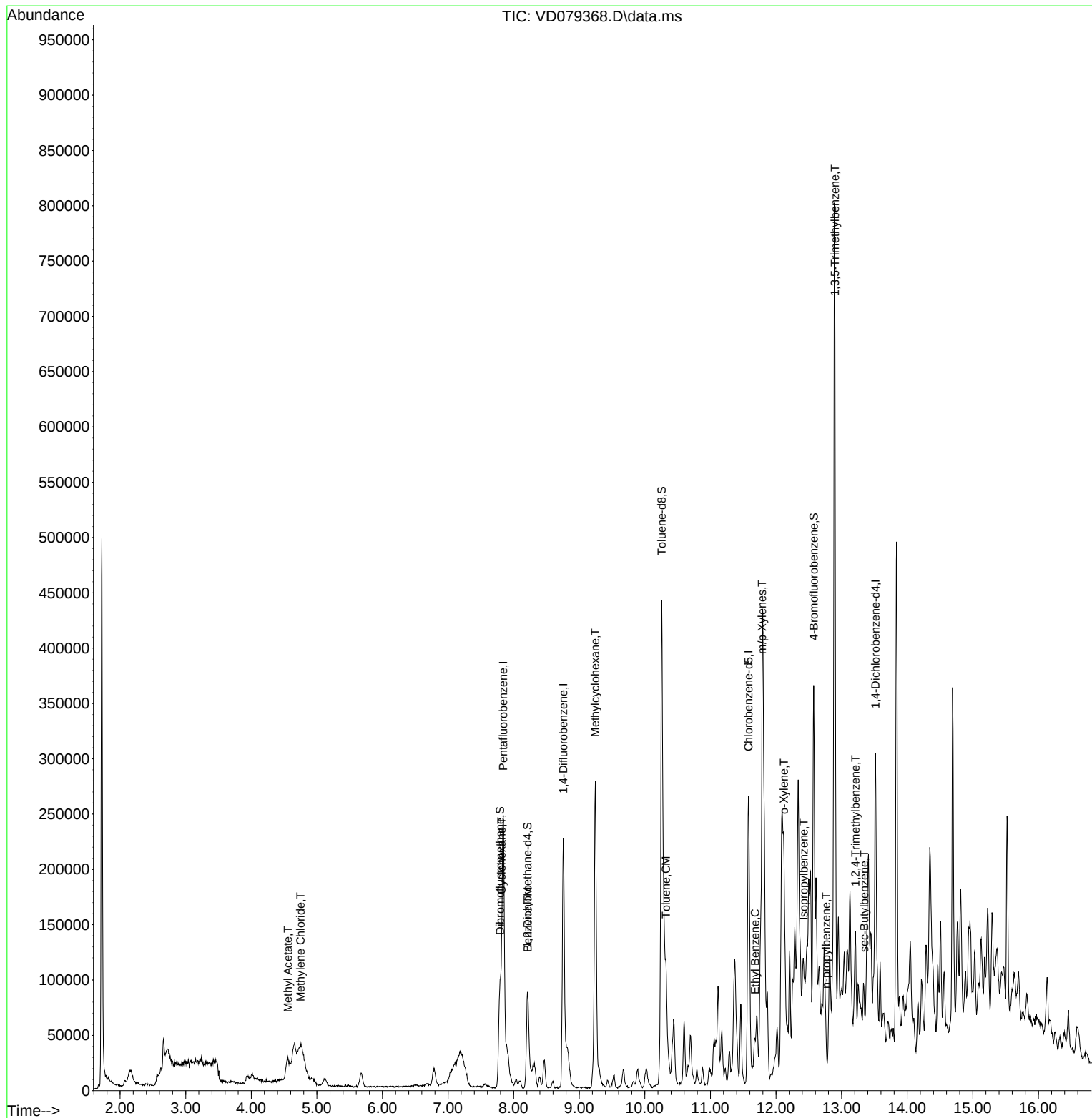
Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD070924\
Data File : VD079368.D
Acq On : 09 Jul 2024 18:22
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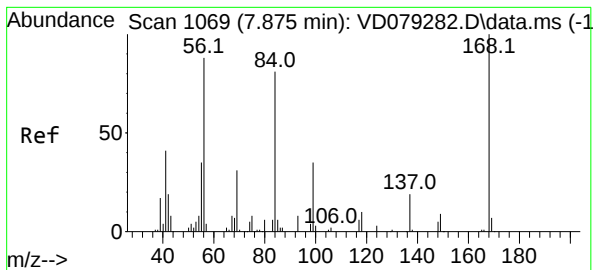
Instrument :
MSVOA_D
ClientSampleId :
B-140-SB00

Quant Time: Jul 10 03:06:38 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D070824S.M
Quant Title : SW846 8260
QLast Update : Mon Jul 08 17:06:59 2024
Response via : Initial Calibration

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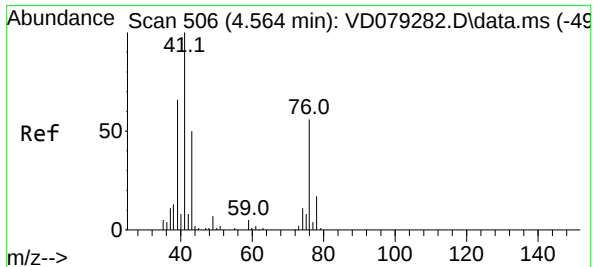
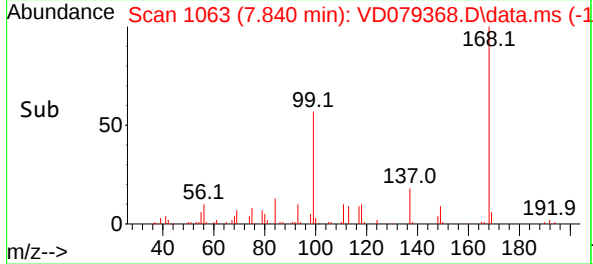
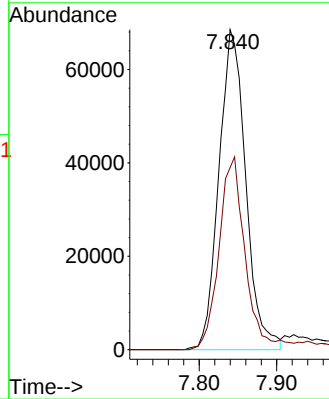
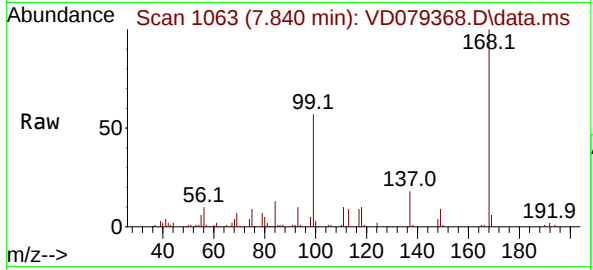
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.840 min Scan# 1063
Delta R.T. -0.035 min
Lab File: VD079368.D
Acq: 09 Jul 2024 18:22

Instrument :
MSVOA_D
ClientSampleId :
B-140-SB00

Tgt Ion:168 Resp: 16486
Ion Ratio Lower Upper
168 100
99 56.9 41.1 61.7

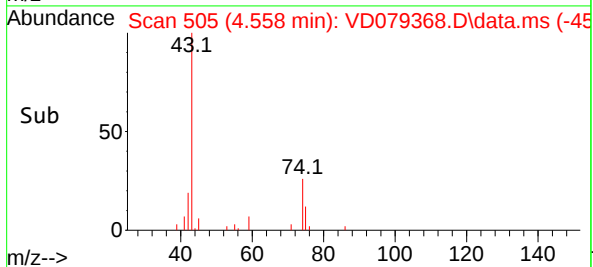
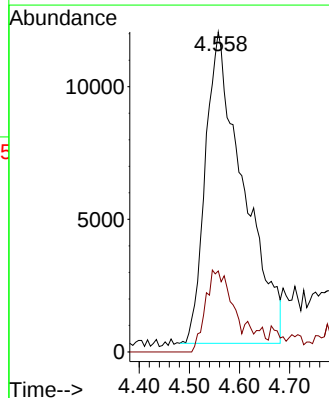
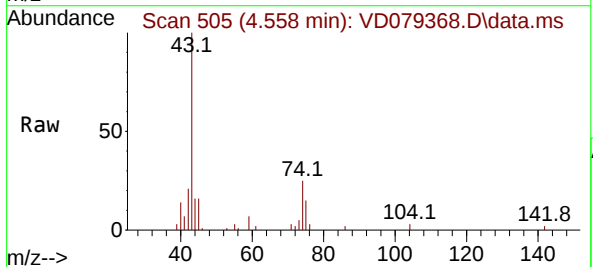
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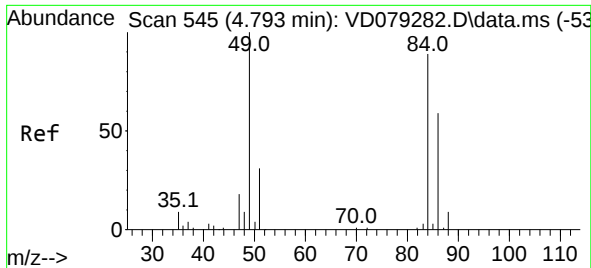
Reviewed By :Mahesh Dadoda 07/10/2024
Supervised By :Semsettin Yesilyurt 07/10/2024



#18
Methyl Acetate
Concen: 53.224 ug/l
RT: 4.558 min Scan# 505
Delta R.T. -0.000 min
Lab File: VD079368.D
Acq: 09 Jul 2024 18:22

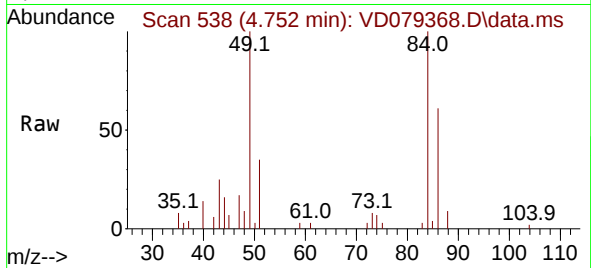
Tgt Ion: 43 Resp: 61538
Ion Ratio Lower Upper
43 100
74 18.1 28.1 42.1#





#20
Methylene Chloride
Concen: 30.226 ug/l m
RT: 4.752 min Scan# 51
Delta R.T. -0.041 min
Lab File: VD079368.D
Acq: 09 Jul 2024 18:22

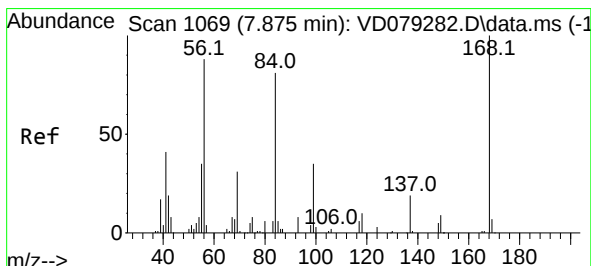
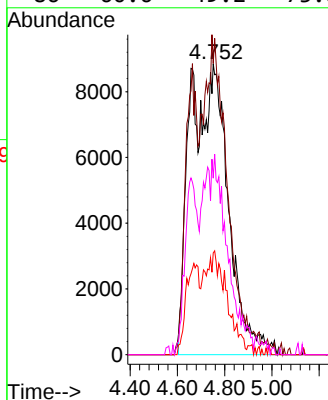
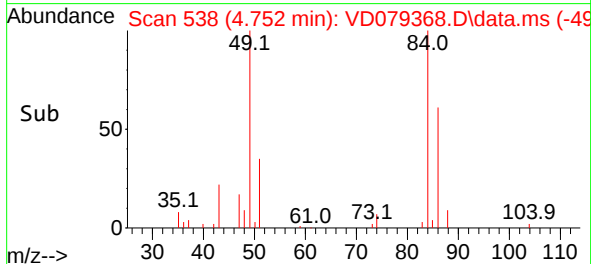
Instrument :
MSVOA_D
ClientSampleId :
B-140-SB00



Tgt Ion: 84 Resp: 9822
Ion Ratio Lower Upper
84 100
49 100.0 75.6 113.4
51 34.9 24.2 36.2
86 60.6 49.2 73.8

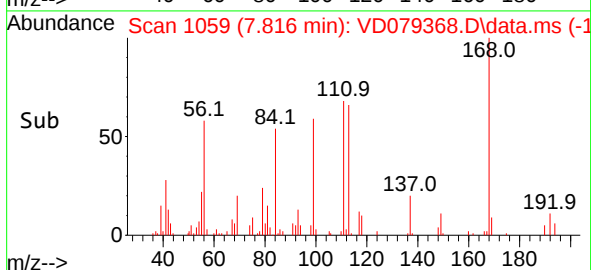
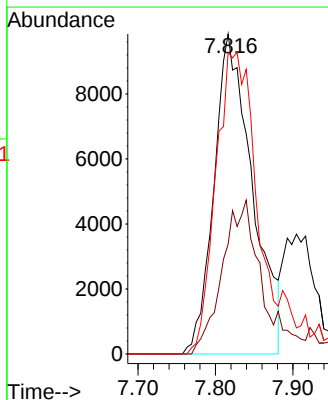
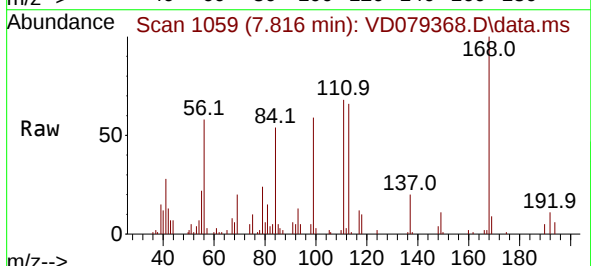
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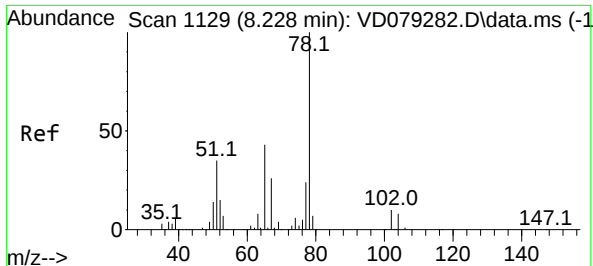
Reviewed By :Mahesh Dadoda 07/10/2024
Supervised By :Semsettin Yesilyurt 07/10/2024



#31
Cyclohexane
Concen: 11.504 ug/l
RT: 7.816 min Scan# 1059
Delta R.T. -0.059 min
Lab File: VD079368.D
Acq: 09 Jul 2024 18:22

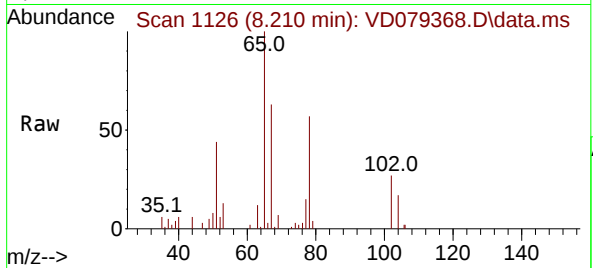
Tgt Ion: 56 Resp: 33800
Ion Ratio Lower Upper
56 100
69 34.3 28.0 42.0
84 94.3 87.4 131.0





#33
1,2-Dichloroethane-d4
Concen: 40.926 ug/l m
RT: 8.210 min Scan# 1126
Delta R.T. -0.018 min
Lab File: VD079368.D
Acq: 09 Jul 2024 18:22

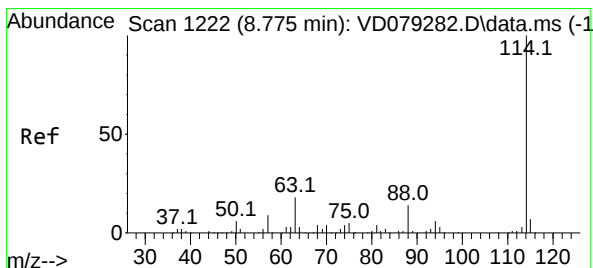
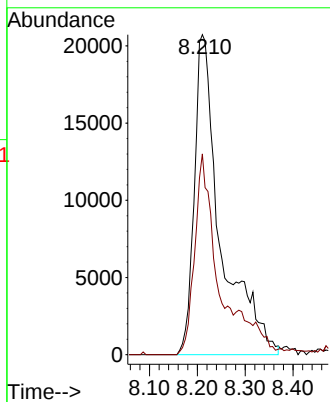
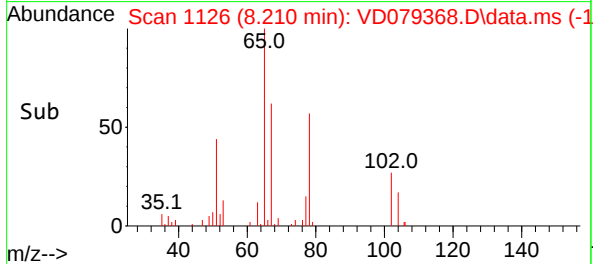
Instrument :
MSVOA_D
ClientSampleId :
B-140-SB00



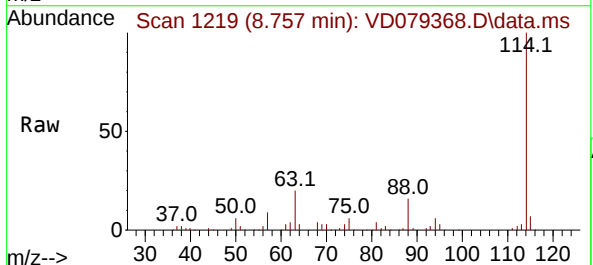
Tgt Ion: 65 Resp: 7951
Ion Ratio Lower Upper
65 100
67 47.6 0.0 111.0

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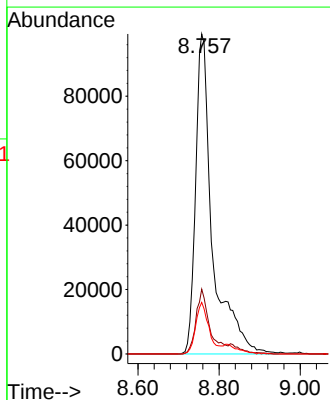
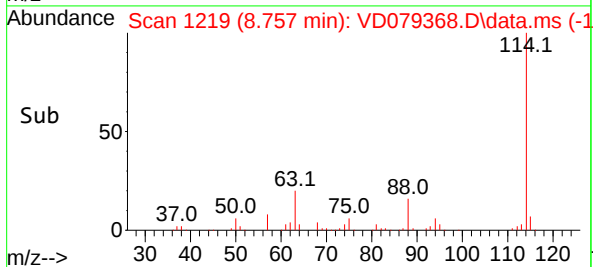
Reviewed By :Mahesh Dadoda 07/10/2024
Supervised By :Semsettin Yesilyurt 07/10/2024

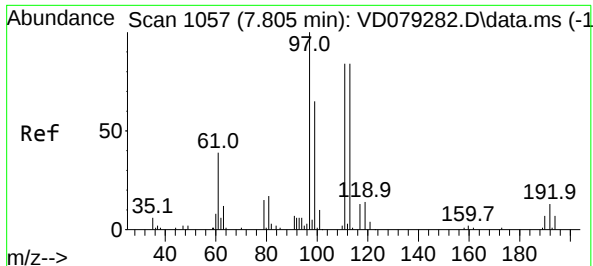


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.757 min Scan# 1219
Delta R.T. -0.018 min
Lab File: VD079368.D
Acq: 09 Jul 2024 18:22



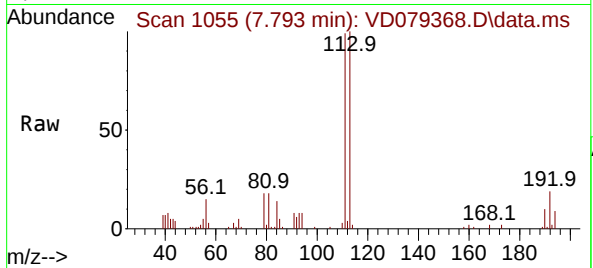
Tgt Ion:114 Resp: 288458
Ion Ratio Lower Upper
114 100
63 20.3 0.0 34.0
88 16.1 0.0 27.2





#35
Dibromofluoromethane
Concen: 47.735 ug/l
RT: 7.793 min Scan# 1055
Delta R.T. -0.012 min
Lab File: VD079368.D
Acq: 09 Jul 2024 18:22

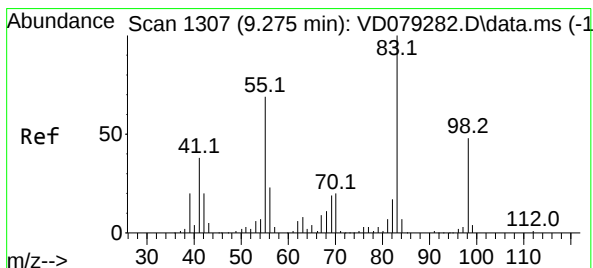
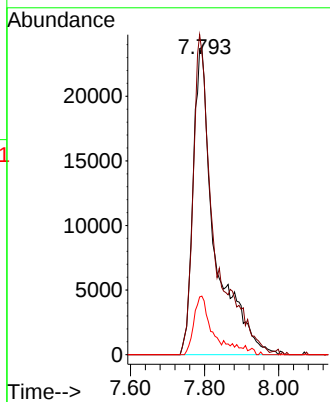
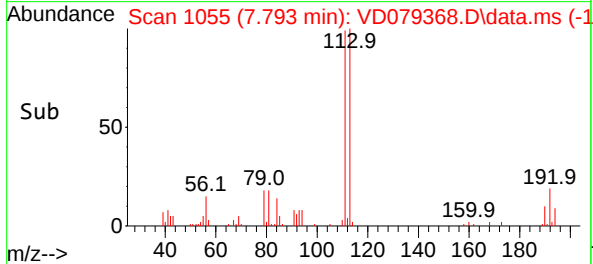
Instrument :
MSVOA_D
ClientSampleId :
B-140-SB00



Tgt Ion: 113 Resp: 9714
Ion Ratio Lower Upper
113 100
111 85.3 84.0 126.0
192 14.1 15.4 23.0

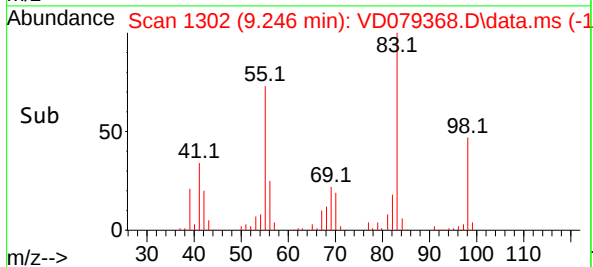
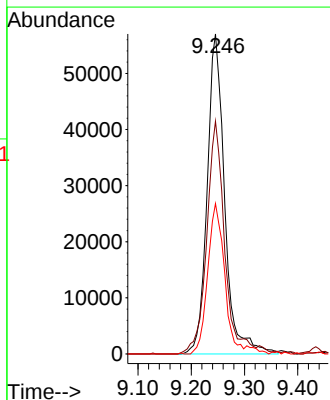
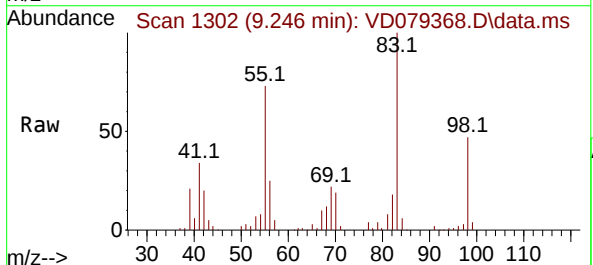
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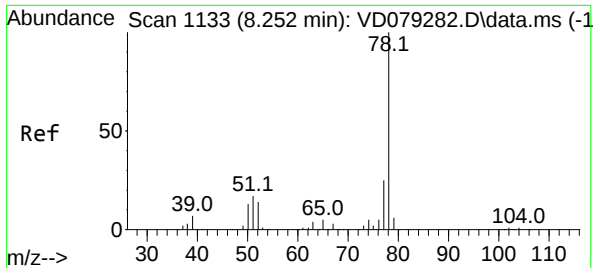
Reviewed By :Mahesh Dadoda 07/10/2024
Supervised By :Semsettin Yesilyurt 07/10/2024



#39
Methylcyclohexane
Concen: 43.225 ug/l
RT: 9.246 min Scan# 1302
Delta R.T. -0.024 min
Lab File: VD079368.D
Acq: 09 Jul 2024 18:22

Tgt Ion: 83 Resp: 130303
Ion Ratio Lower Upper
83 100
55 72.7 50.1 75.1
98 47.0 41.9 62.9





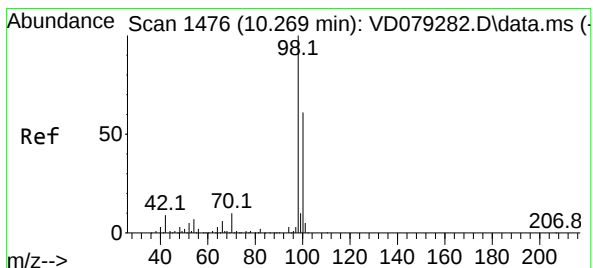
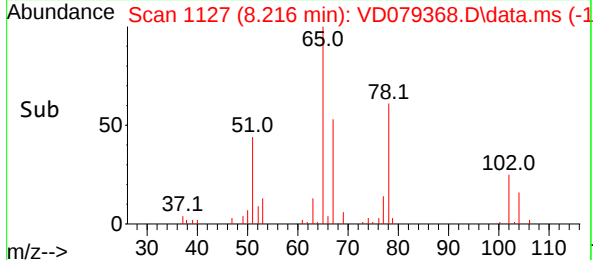
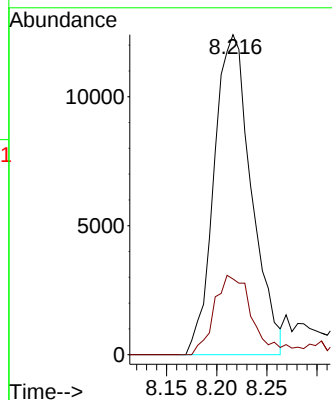
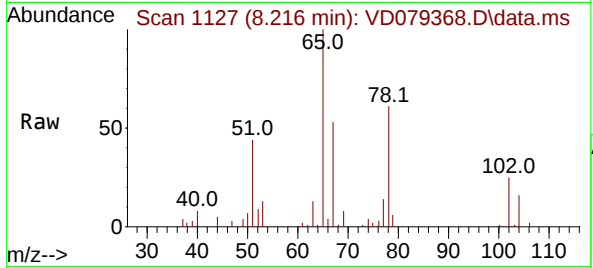
#40
Benzene
Concen: 3.888 ug/l
RT: 8.216 min Scan# 1133
Delta R.T. -0.030 min
Lab File: VD079368.D
Acq: 09 Jul 2024 18:22

Instrument :
MSVOA_D
ClientSampleId :
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Tgt Ion: 78 Resp: 32179
Ion Ratio Lower Upper
78 100
77 23.7 18.1 27.1

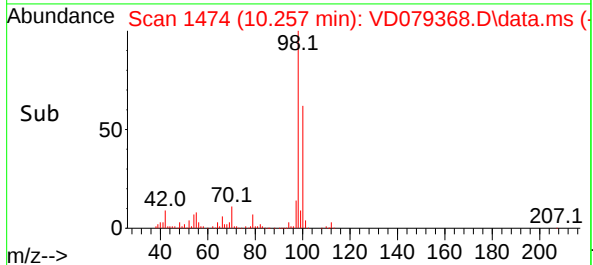
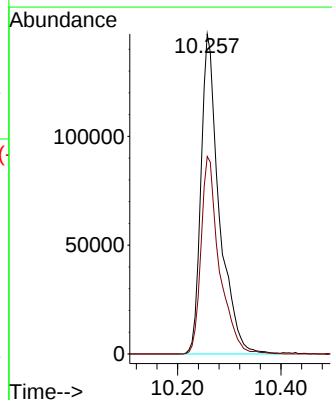
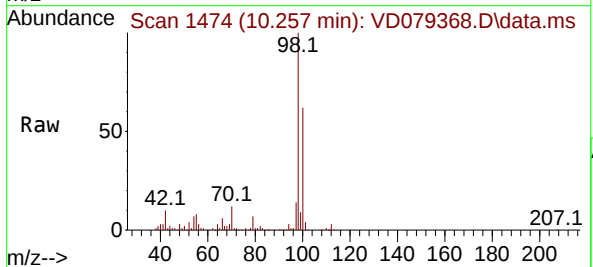
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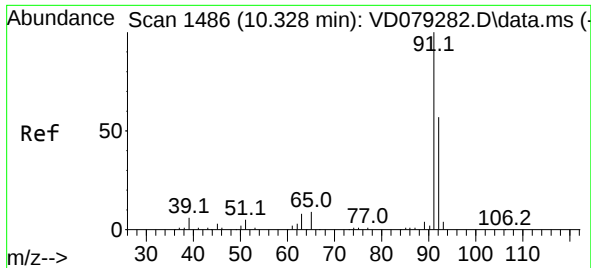
Reviewed By :Mahesh Dadoda 07/10/2024
Supervised By :Semsettin Yesilyurt 07/10/2024



#50
Toluene-d8
Concen: 45.950 ug/l
RT: 10.257 min Scan# 1474
Delta R.T. -0.012 min
Lab File: VD079368.D
Acq: 09 Jul 2024 18:22

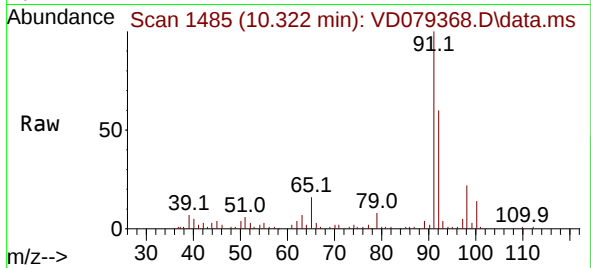
Tgt Ion: 98 Resp: 360463
Ion Ratio Lower Upper
98 100
100 62.0 51.6 77.4





#52
Toluene
Concen: 9.997 ug/l
RT: 10.322 min Scan# 1486
Delta R.T. -0.012 min
Lab File: VD079368.D
Acq: 09 Jul 2024 18:22

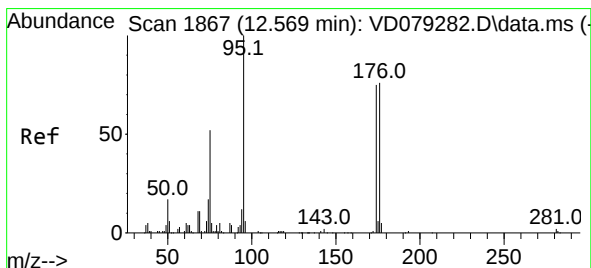
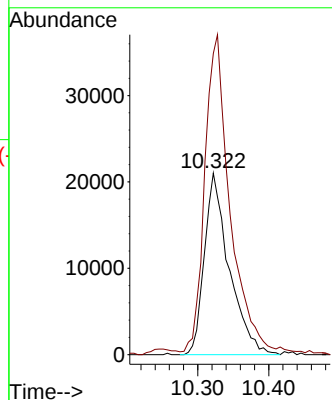
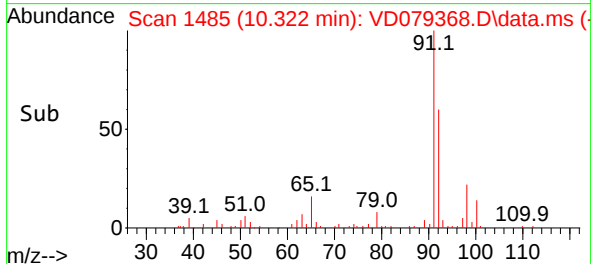
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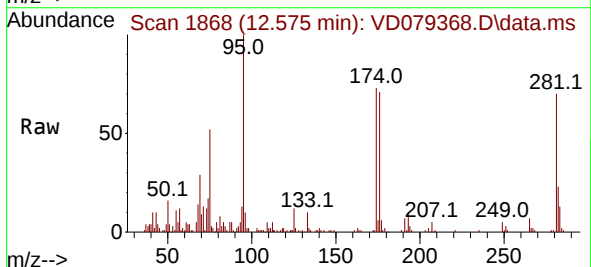
Tgt Ion: 92 Resp: 50938
Ion Ratio Lower Upper
92 100
91 180.3 141.7 212.5

Manual Integrations
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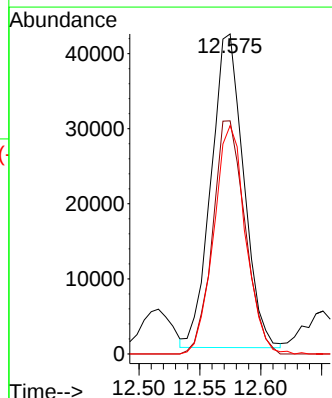
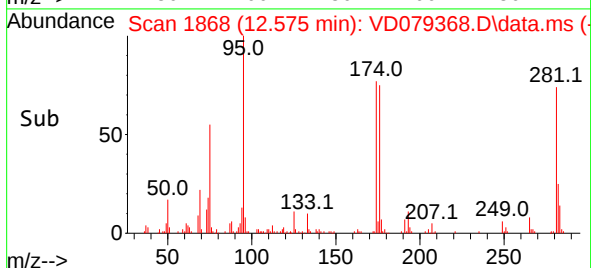
Reviewed By :Mahesh Dadoda 07/10/2024
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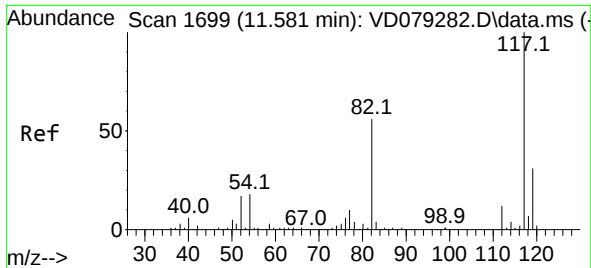


#62
4-Bromofluorobenzene
Concen: 31.795 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.006 min
Lab File: VD079368.D
Acq: 09 Jul 2024 18:22



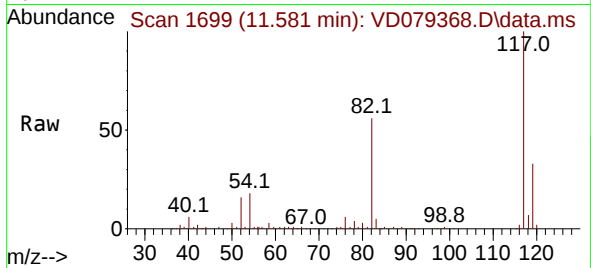
Tgt Ion: 95 Resp: 77523
Ion Ratio Lower Upper
95 100
174 74.1 0.0 195.4
176 71.3 0.0 192.6





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. -0.000 min
Lab File: VD079368.D
Acq: 09 Jul 2024 18:22

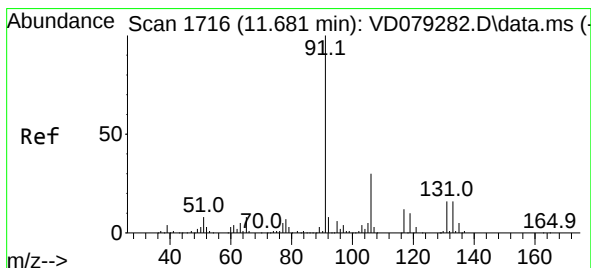
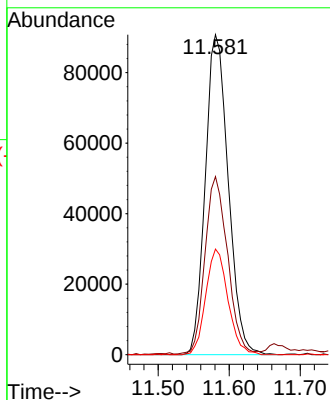
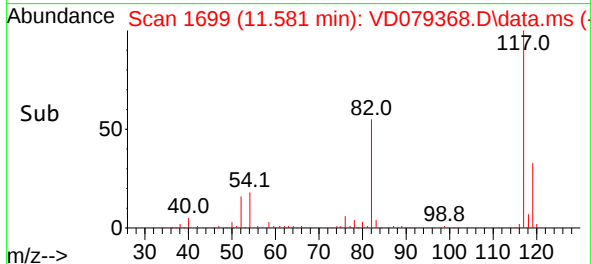
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Tgt Ion:117 Resp: 204064
Ion Ratio Lower Upper
117 100
82 55.4 39.8 59.6
119 33.0 25.7 38.5

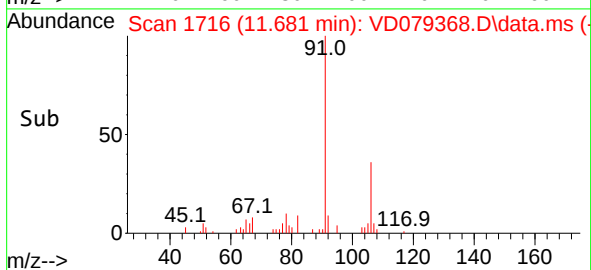
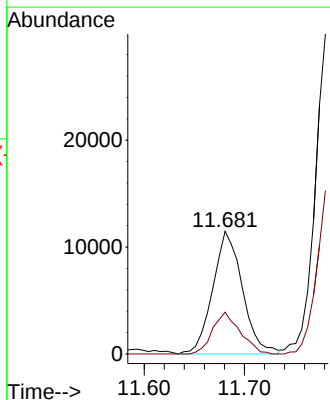
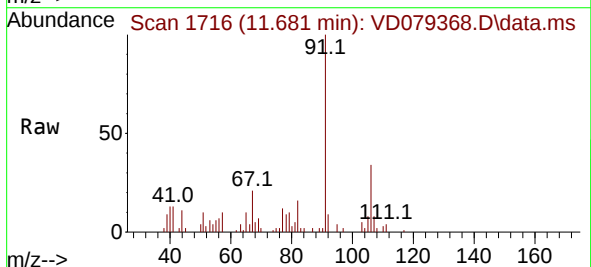
Manual Integrations
APPROVED

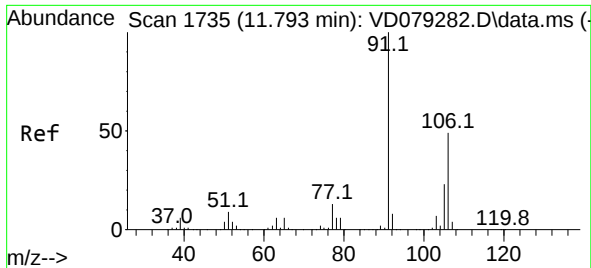
Reviewed By :Mahesh Dadoda 07/10/2024
Supervised By :Semsettin Yesilyurt 07/10/2024



#67
Ethyl Benzene
Concen: 3.298 ug/l
RT: 11.681 min Scan# 1716
Delta R.T. -0.000 min
Lab File: VD079368.D
Acq: 09 Jul 2024 18:22

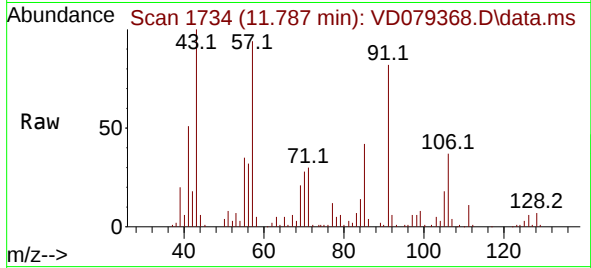
Tgt Ion: 91 Resp: 23586
Ion Ratio Lower Upper
91 100
106 34.2 25.8 38.6





#68
m/p-Xylenes
Concen: 12.503 ug/l
RT: 11.787 min Scan# 1734
Delta R.T. -0.006 min
Lab File: VD079368.D
Acq: 09 Jul 2024 18:22

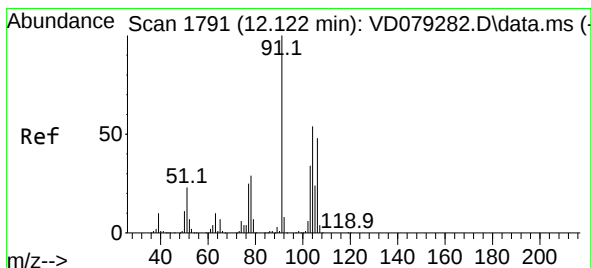
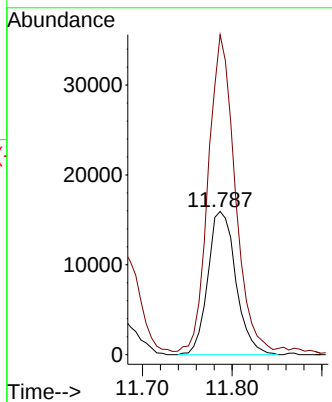
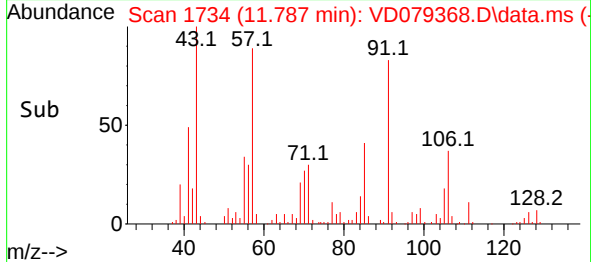
Instrument :
MSVOA_D
ClientSampleId :
B-140-SB00



Tgt Ion:106 Resp: 3452
Ion Ratio Lower Upper
106 100
91 210.7 148.5 222.7

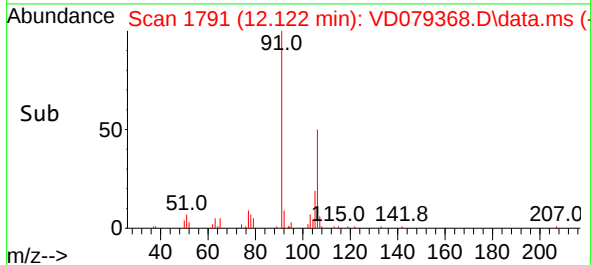
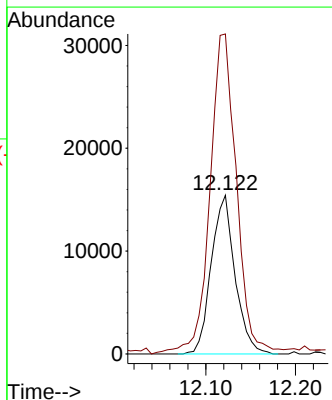
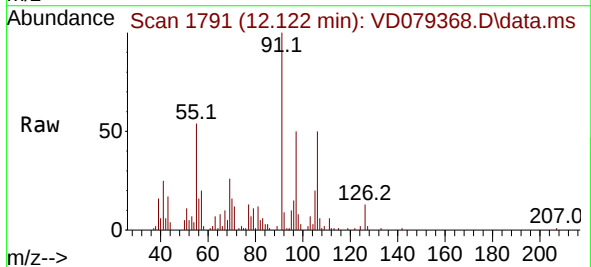
Manual Integrations
APPROVED

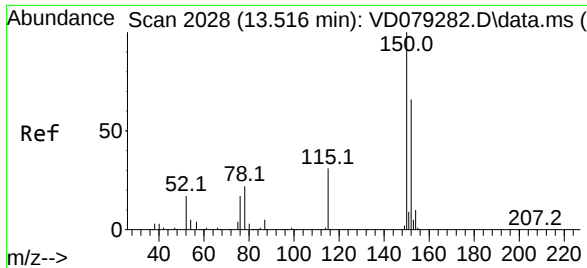
Reviewed By :Mahesh Dadoda 07/10/2024
Supervised By :Semsettin Yesilyurt 07/10/2024



#69
o-Xylene
Concen: 10.956 ug/l
RT: 12.122 min Scan# 1791
Delta R.T. 0.006 min
Lab File: VD079368.D
Acq: 09 Jul 2024 18:22

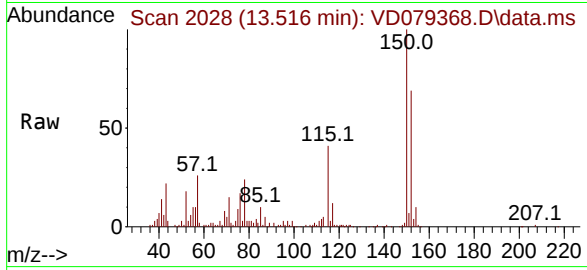
Tgt Ion:106 Resp: 28305
Ion Ratio Lower Upper
106 100
91 220.8 96.7 290.1





#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 2028
Delta R.T. -0.000 min
Lab File: VD079368.D
Acq: 09 Jul 2024 18:22

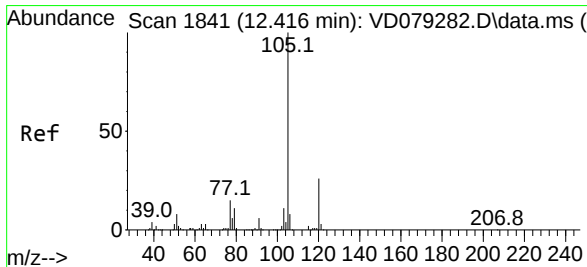
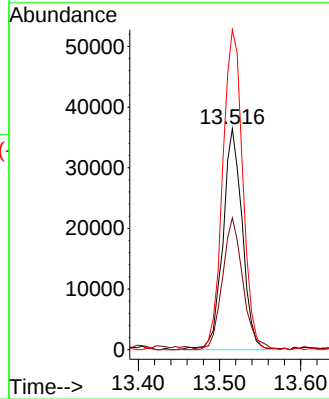
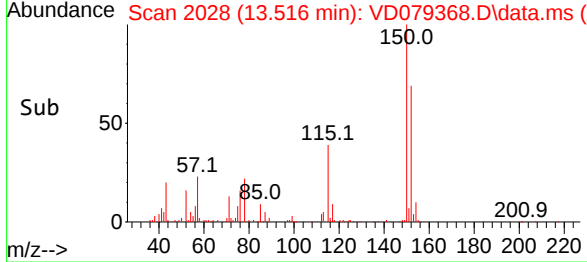
Instrument :
MSVOA_D
ClientSampleId :
B-140-SB00



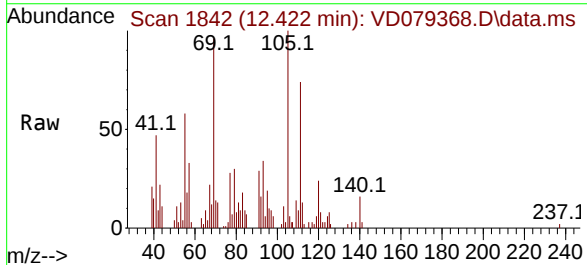
Tgt Ion:152 Resp: 6036
Ion Ratio Lower Upper
152 100
115 63.6 26.5 79.5
150 149.2 0.0 341.6

Manual Integrations
APPROVED

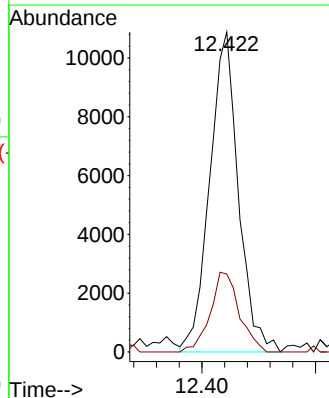
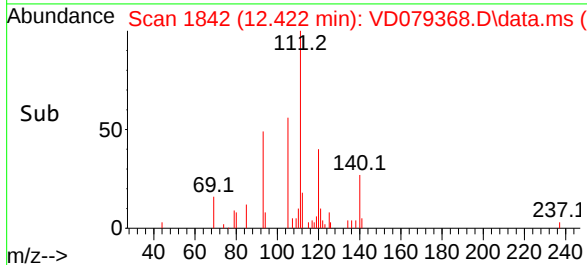
Reviewed By :Mahesh Dadoda 07/10/2024
Supervised By :Semsettin Yesilyurt 07/10/2024

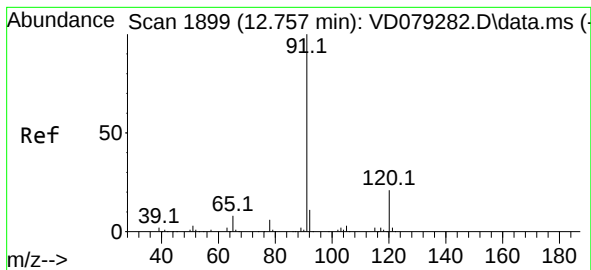


#73
Isopropylbenzene
Concen: 4.737 ug/l
RT: 12.422 min Scan# 1842
Delta R.T. 0.006 min
Lab File: VD079368.D
Acq: 09 Jul 2024 18:22



Tgt Ion:105 Resp: 19085
Ion Ratio Lower Upper
105 100
120 25.2 13.6 40.7





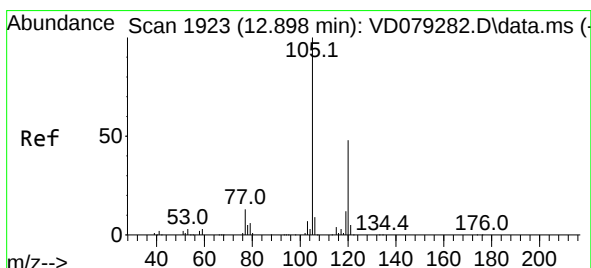
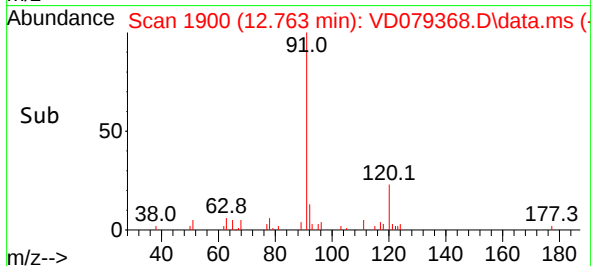
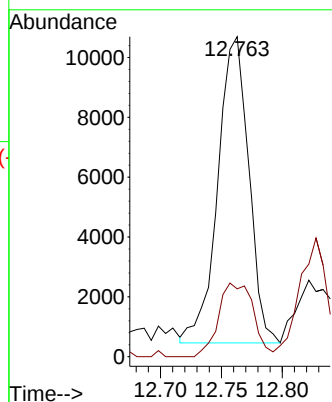
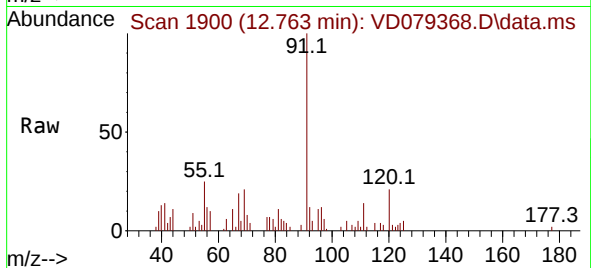
#78
n-propylbenzene
Concen: 3.611 ug/l
RT: 12.763 min Scan# 1900
Delta R.T. -0.000 min
Lab File: VD079368.D
Acq: 09 Jul 2024 18:22

Instrument :
MSVOA_D
ClientSampleId :
B-140-SB00

Tgt Ion: 91 Resp: 1813
Ion Ratio Lower Upper
91 100
120 26.9 12.3 36.8

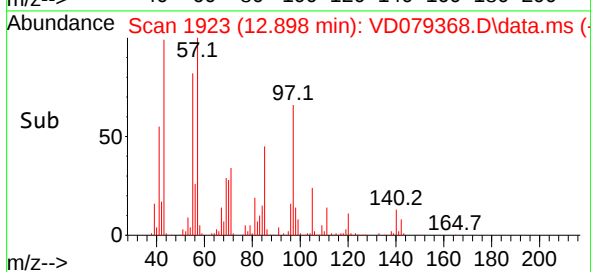
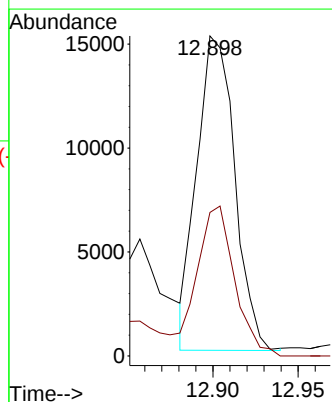
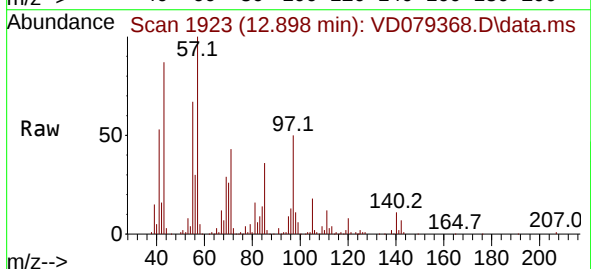
Manual Integrations
APPROVED

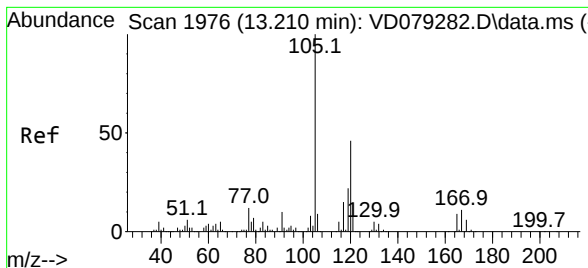
Reviewed By :Mahesh Dadoda 07/10/2024
Supervised By :Semsettin Yesilyurt 07/10/2024



#80
1,3,5-Trimethylbenzene
Concen: 6.850 ug/l
RT: 12.898 min Scan# 1923
Delta R.T. -0.000 min
Lab File: VD079368.D
Acq: 09 Jul 2024 18:22

Tgt Ion:105 Resp: 23394
Ion Ratio Lower Upper
105 100
120 47.9 25.7 77.1





#84

1,2,4-Trimethylbenzene

Concen: 13.695 ug/l

RT: 13.210 min Scan# 1976

Delta R.T. -0.000 min

Lab File: VD079368.D

Acq: 09 Jul 2024 18:22

Instrument :

MSVOA_D

ClientSampleId :

B-140-SB00

Tgt Ion:105 Resp: 47438

Ion Ratio Lower Upper

105 100

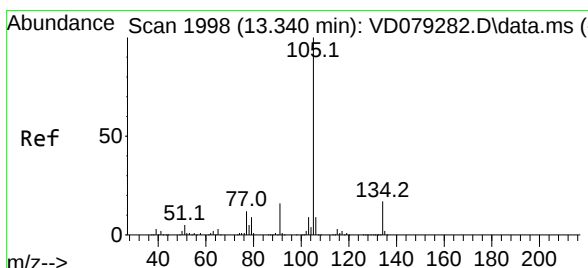
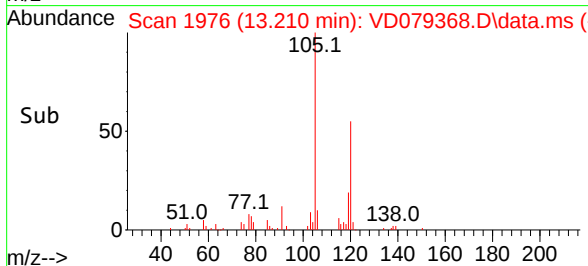
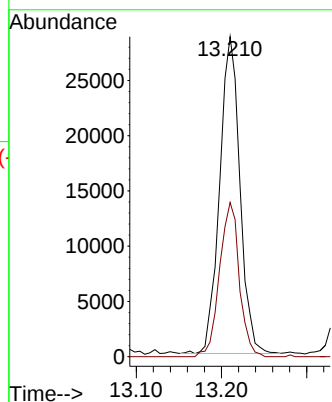
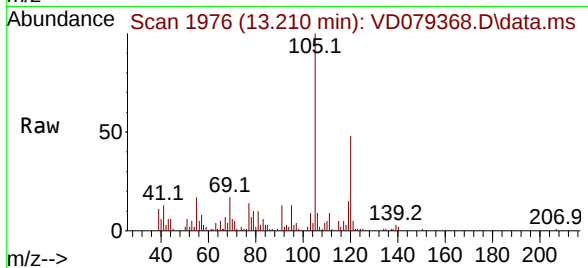
120 47.3 23.6 71.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 07/10/2024

Supervised By :Semsettin Yesilyurt 07/10/2024



#85

sec-Butylbenzene

Concen: 2.513 ug/l

RT: 13.345 min Scan# 1999

Delta R.T. 0.006 min

Lab File: VD079368.D

Acq: 09 Jul 2024 18:22

Tgt Ion:105 Resp: 10983

Ion Ratio Lower Upper

105 100

134 29.8 10.3 30.8

