

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120921\
 Data File : VN069909.D
 Acq On : 9 Dec 2021 14:13
 Operator : JC/MD
 Sample : M4940-03
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-3

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 12/22/2021
 Supervised By :Semsettin Yesilyurt 12/22/2021

Quant Time: Dec 10 06:14:31 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N120221W.M
 Quant Title : Sw846 8260
 QLast Update : Fri Dec 03 08:46:47 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.086	168	1136910	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	2073122	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	2319325	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	979390	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.437	65	892703	50.855	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery	=	101.700%	
35) Dibromofluoromethane	8.024	113	641761	49.421	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery	=	98.840%	
50) Toluene-d8	10.440	98	2748783	52.718	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery	=	105.440%	
62) 4-Bromofluorobenzene	12.731	95	1153036	61.040	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery	=	122.080%	
Target Compounds						Qvalue
11) Tert butyl alcohol	5.371	59	824703	248.546	ug/l	100
16) Acetone	4.288	43	111863	10.594	ug/l	93
17) Carbon Disulfide	4.532	76	30951	1.106	ug/l	97
19) Methyl tert-butyl Ether	5.618	73	1165559	27.680	ug/l #	45
22) Diisopropyl ether	6.495	45	94957	1.991	ug/l	88
25) 2-Butanone	7.343	43	37371	2.605	ug/l #	89
31) Cyclohexane	8.094	56	367906m	15.060	ug/l	
39) Methylcyclohexane	9.459	83	198263	8.446	ug/l #	85
40) Benzene	8.461	78	5893625	97.700	ug/l	99
52) Toluene	10.505	92	523031	14.202	ug/l	99
67) Ethyl Benzene	11.843	91	985120	11.526	ug/l	95
68) m/p-Xylenes	11.953	106	222912	7.163	ug/l	92
69) o-Xylene	12.280	106	146251	4.666	ug/l	92
73) Isopropylbenzene	12.578	105	1167460	13.398	ug/l	98
78) n-propylbenzene	12.918	91	1277141	13.171	ug/l	96
80) 1,3,5-Trimethylbenzene	13.058	105	70990	1.012	ug/l	99
84) 1,2,4-Trimethylbenzene	13.366	105	2224462	33.303	ug/l	98
85) sec-Butylbenzene	13.500	105	64595m	0.767	ug/l	
86) p-Isopropyltoluene	13.613	119	40552	0.616	ug/l	95
89) n-Butylbenzene	13.940	91	85322	1.597	ug/l #	72
91) 1,2-Dichlorobenzene	13.986	146	7794	0.238	ug/l #	87
93) 1,2,4-Trichlorobenzene	15.263	180	16177	3.827	ug/l #	86
95) Naphthalene	15.504	128	191752	7.672	ug/l	98

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

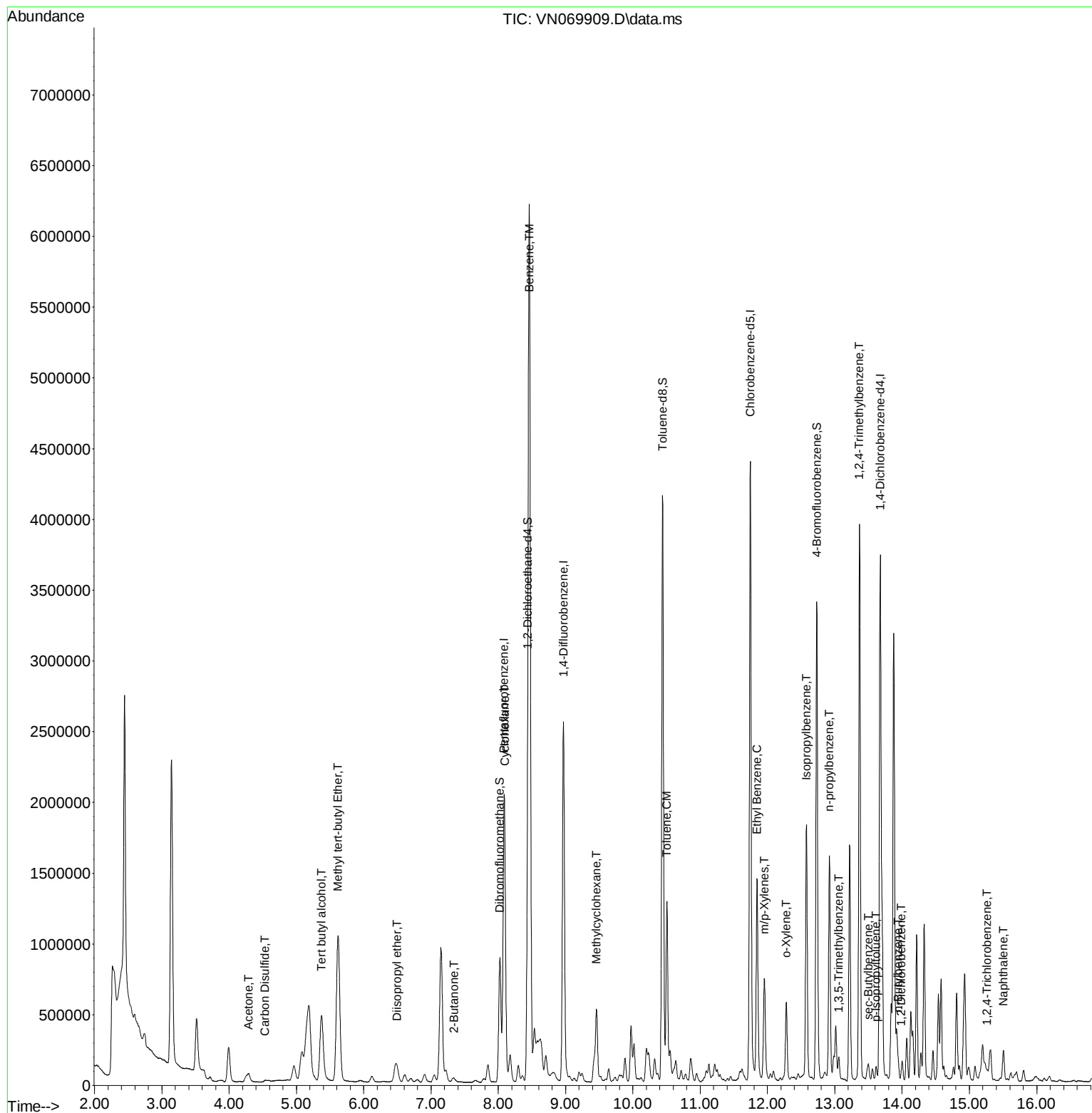
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120921\
Data File : VN069909.D
Acq On : 9 Dec 2021 14:13
Operator : JC/MD
Sample : M4940-03
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
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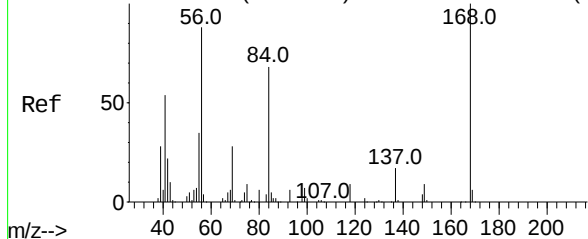
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Quant Time: Dec 10 06:14:31 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N120221W.M
Quant Title : SW846 8260
QLast Update : Fri Dec 03 08:46:47 2021
Response via : Initial Calibration



Abundance Scan 2273 (8.086 min): VN069703.D\data.ms (-2249) (-)



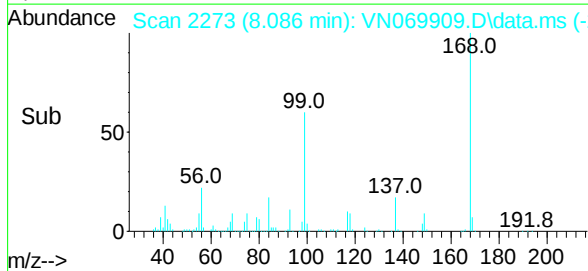
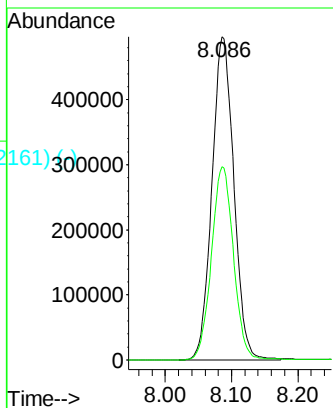
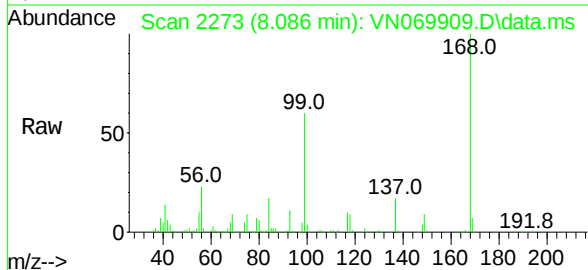
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.000 min
Lab File: VN069909.D
Acq: 9 Dec 2021 14:13

Instrument : MSVOA_N
ClientSampleId : MW-3

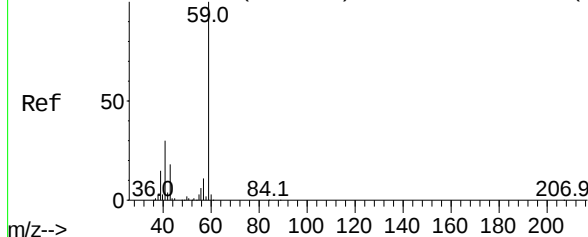
Tgt Ion:168 Resp: 113692
Ion Ratio Lower Upper
168 100
99 59.9 41.3 61.9

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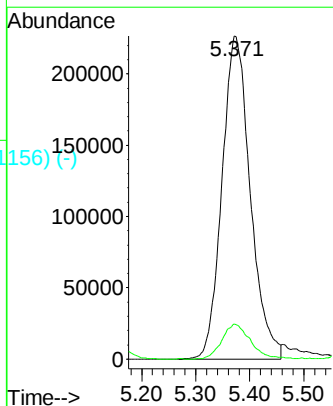
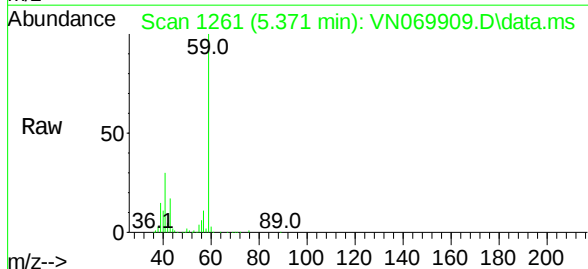


Abundance Scan 1268 (5.390 min): VN069703.D\data.ms (-1219) (-)

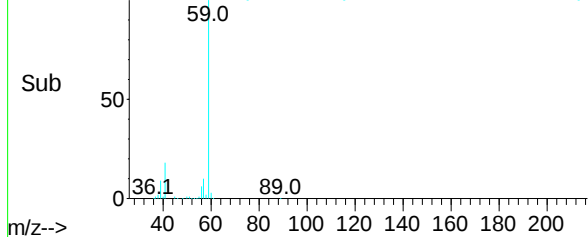


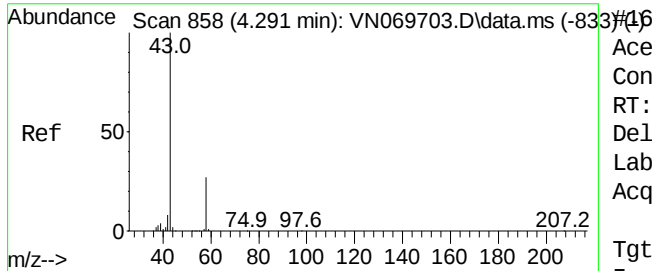
Tert butyl alcohol
Concen: 248.546 ug/l
RT: 5.371 min Scan# 1261
Delta R.T. -0.019 min
Lab File: VN069909.D
Acq: 9 Dec 2021 14:13

Tgt Ion: 59 Resp: 824703
Ion Ratio Lower Upper
59 100
57 11.0 8.7 13.1



Abundance Scan 1261 (5.371 min): VN069909.D\data.ms (-1156) (-)





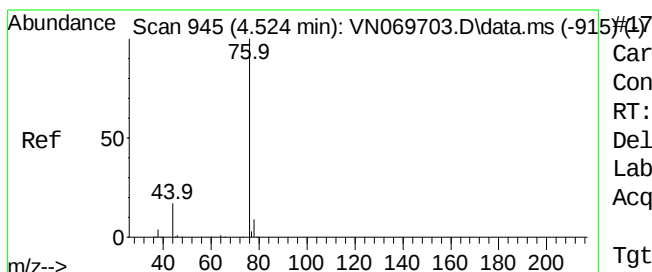
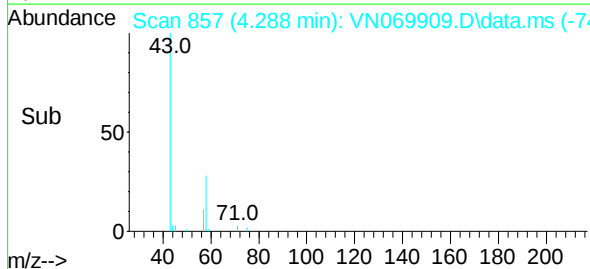
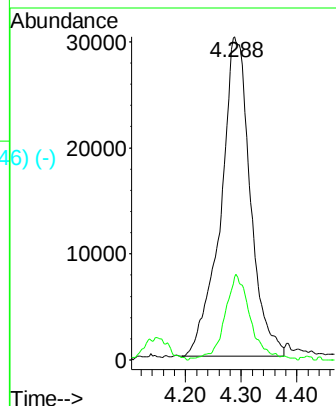
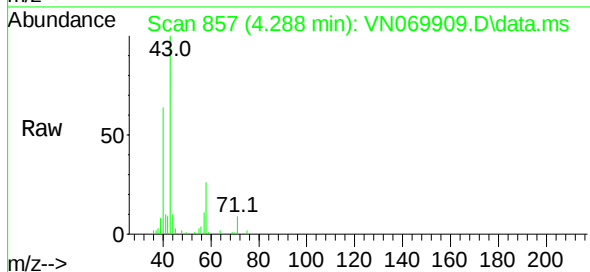
Acetone
Concen: 10.594 ug/l
RT: 4.288 min Scan# 857
Delta R.T. -0.003 min
Lab File: VN069909.D
Acq: 9 Dec 2021 14:13

Instrument :
MSVOA_N
Client Sample Id :
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Tgt Ion: 43 Resp: 11186
Ion Ratio Lower Upper
43 100
58 25.3 23.1 34.7

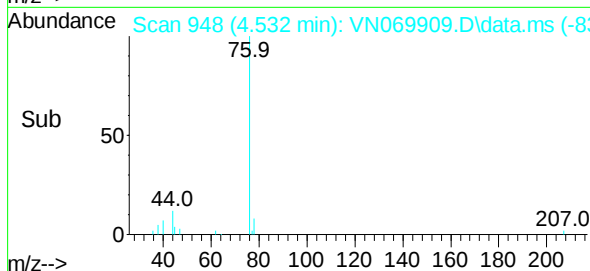
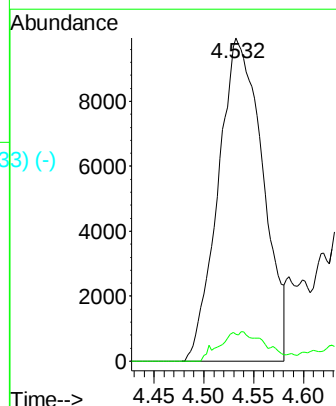
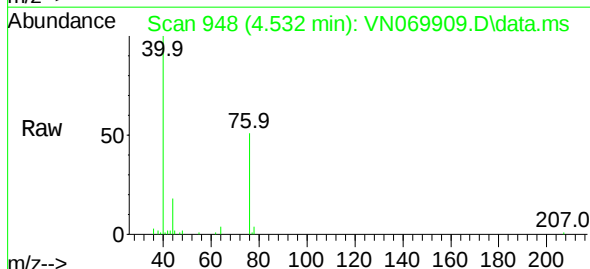
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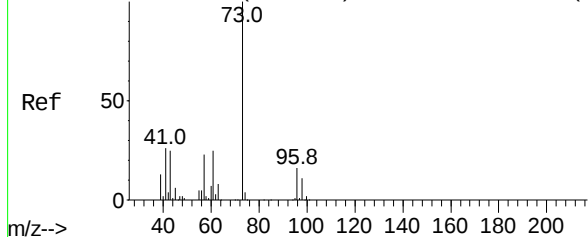


Carbon Disulfide
Concen: 1.106 ug/l
RT: 4.532 min Scan# 948
Delta R.T. 0.008 min
Lab File: VN069909.D
Acq: 9 Dec 2021 14:13

Tgt Ion: 76 Resp: 30951
Ion Ratio Lower Upper
76 100
78 8.2 7.5 11.3



Abundance Scan 1353 (5.618 min): VN069703.D\data.ms (-13109-)



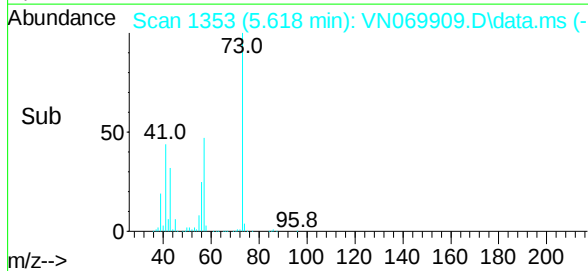
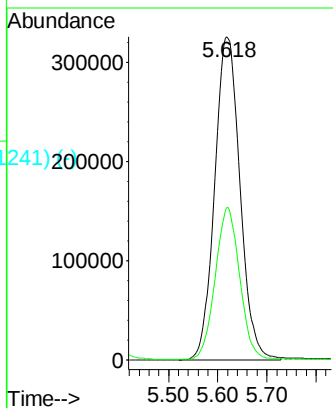
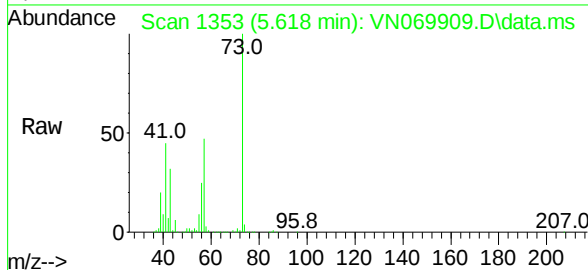
Methyl tert-butyl Ether
Concen: 27.680 ug/l
RT: 5.618 min Scan# 1353
Delta R.T. 0.000 min
Lab File: VN069909.D
Acq: 9 Dec 2021 14:13

Instrument : MSVOA_N
Client Sample Id : MW-3

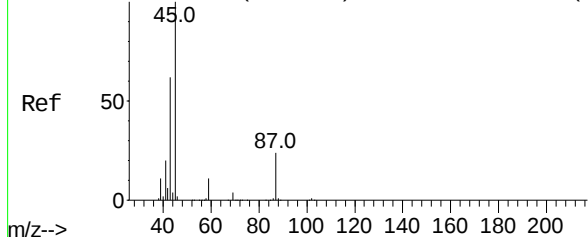
Tgt Ion: 73 Resp: 116558
Ion Ratio Lower Upper
73 100
57 47.0 16.8 25.2

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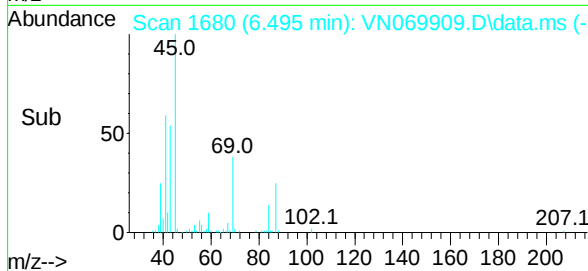
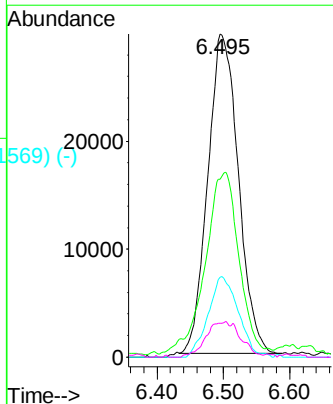
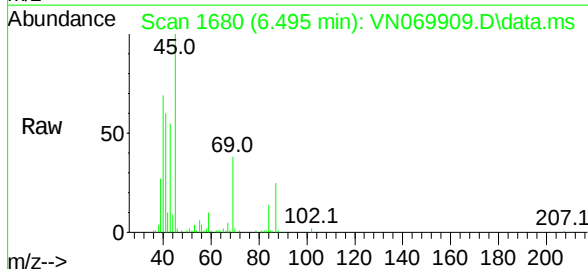


Abundance Scan 1681 (6.498 min): VN069703.D\data.ms (-16322-)

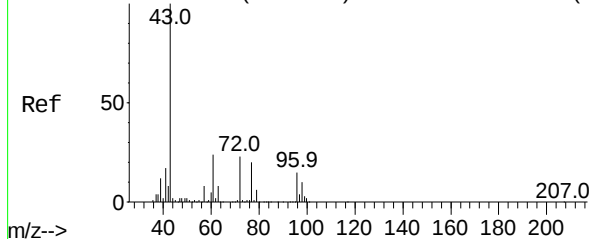


Diisopropyl ether
Concen: 1.991 ug/l
RT: 6.495 min Scan# 1680
Delta R.T. -0.003 min
Lab File: VN069909.D
Acq: 9 Dec 2021 14:13

Tgt Ion: 45 Resp: 94957
Ion Ratio Lower Upper
45 100
43 52.4 51.7 77.5
87 25.0 23.2 34.8
59 10.5 9.4 14.0



Abundance Scan 1994 (7.337 min): VN069703.D\data.ms (-19625-)



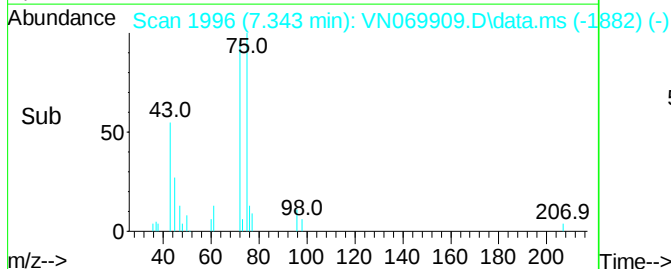
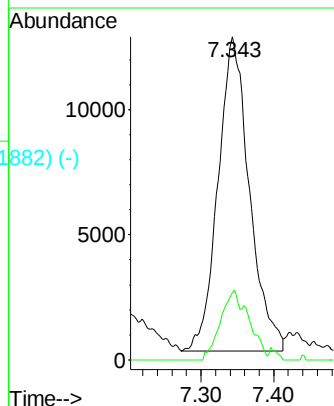
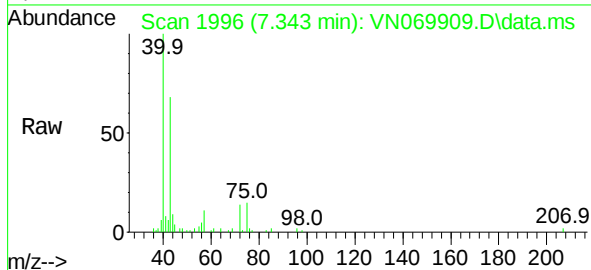
2-Butanone
Concen: 2.605 ug/l
RT: 7.343 min Scan# 1994
Delta R.T. 0.005 min
Lab File: VN069909.D
Acq: 9 Dec 2021 14:13

Instrument :
MSVOA_N
Client Sample Id :
MW-3

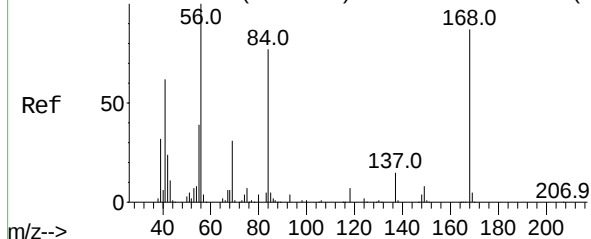
Tgt Ion: 43 Resp: 3737
Ion Ratio Lower Upper
43 100
72 21.4 21.7 32.5

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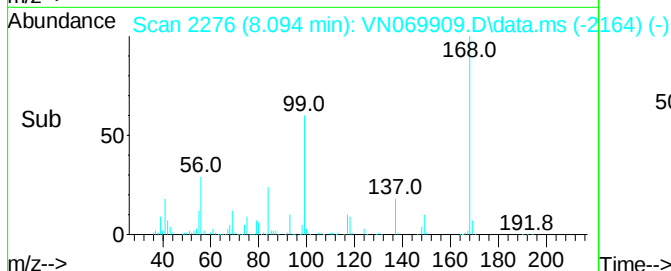
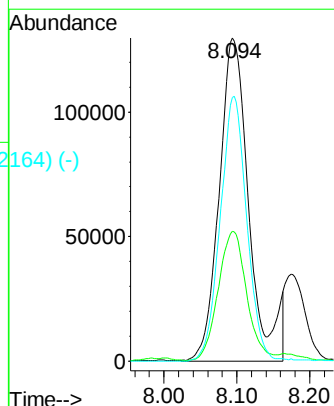
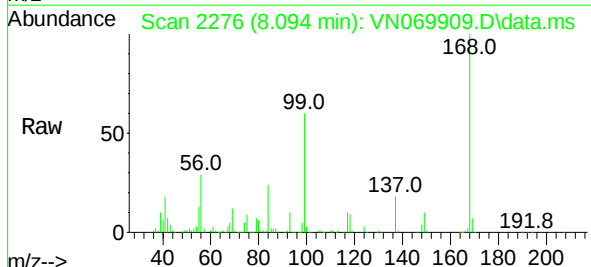


Abundance Scan 2276 (8.094 min): VN069703.D\data.ms (-22481-)

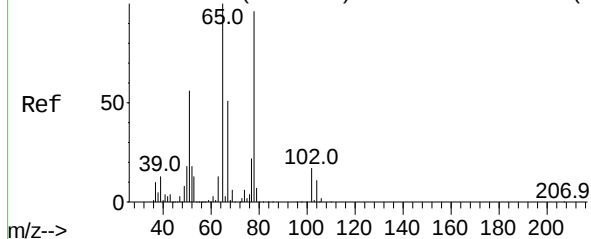


Cyclohexane
Concen: 15.060 ug/l m
RT: 8.094 min Scan# 2276
Delta R.T. 0.000 min
Lab File: VN069909.D
Acq: 9 Dec 2021 14:13

Tgt Ion: 56 Resp: 367906
Ion Ratio Lower Upper
56 100
69 40.2 27.1 40.7
84 81.5 73.4 110.0



Abundance Scan 2404 (8.437 min): VN069703.D\data.ms (-2363)



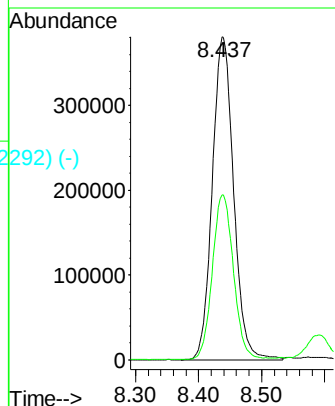
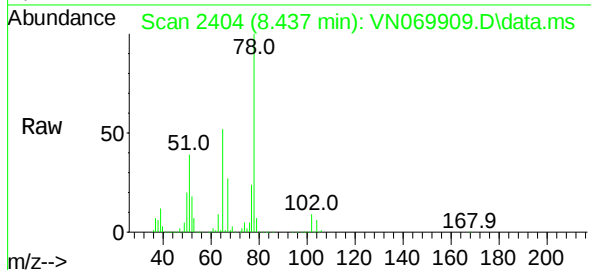
1,2-Dichloroethane-d4
Concen: 50.855 ug/l
RT: 8.437 min Scan# 2404
Delta R.T. 0.000 min
Lab File: VN069909.D
Acq: 9 Dec 2021 14:13

Instrument :
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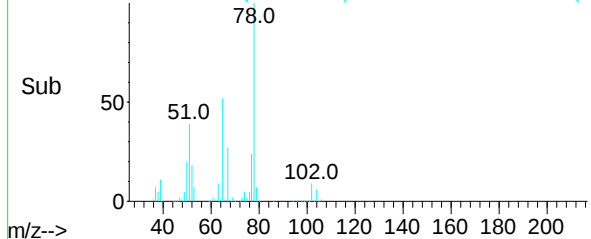
Tgt Ion: 65 Resp: 89270
Ion Ratio Lower Upper
65 100
67 50.6 0.0 103.0

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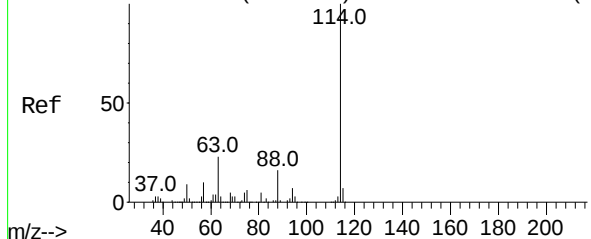
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Abundance Scan 2404 (8.437 min): VN069909.D\data.ms (-2292) (-)

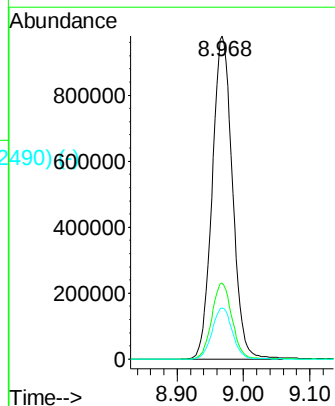
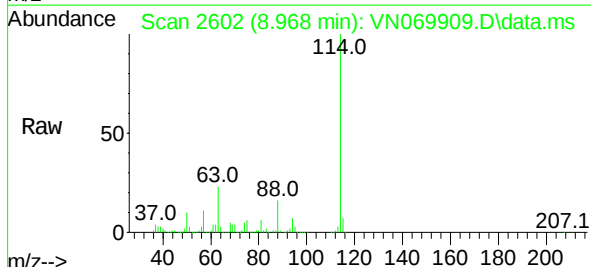


Abundance Scan 2602 (8.968 min): VN069703.D\data.ms (-2560)

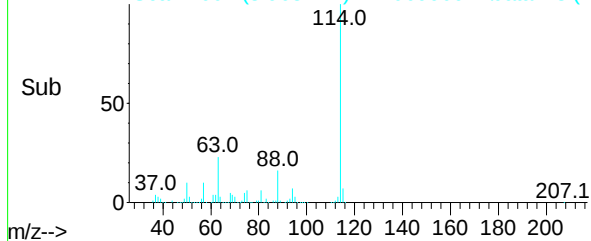


1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.968 min Scan# 2602
Delta R.T. -0.000 min
Lab File: VN069909.D
Acq: 9 Dec 2021 14:13

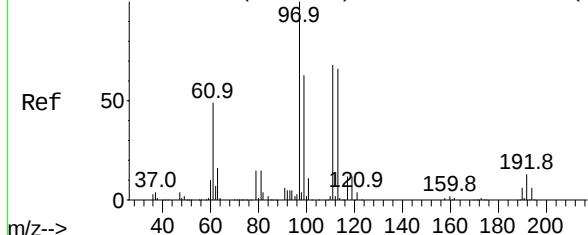
Tgt Ion:114 Resp: 2073122
Ion Ratio Lower Upper
114 100
63 23.5 0.0 37.8
88 15.9 0.0 27.4



Abundance Scan 2602 (8.968 min): VN069909.D\data.ms (-2490)

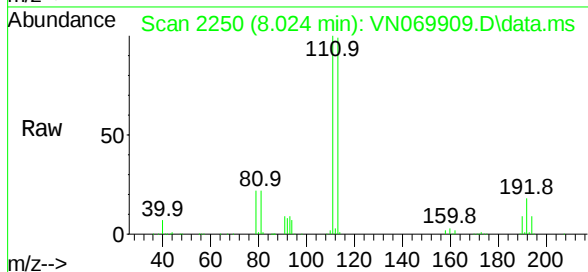


Abundance Scan 2250 (8.024 min): VN069703.D\data.ms (-22235-)



Dibromofluoromethane
Concen: 49.421 ug/l
RT: 8.024 min Scan# 2113
Delta R.T. 0.000 min
Lab File: VN069909.D
Acq: 9 Dec 2021 14:13

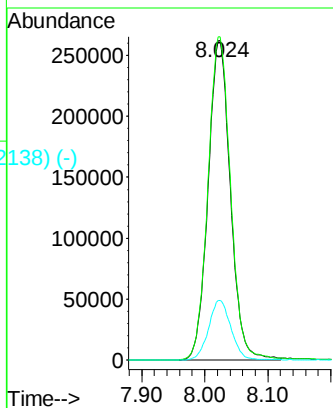
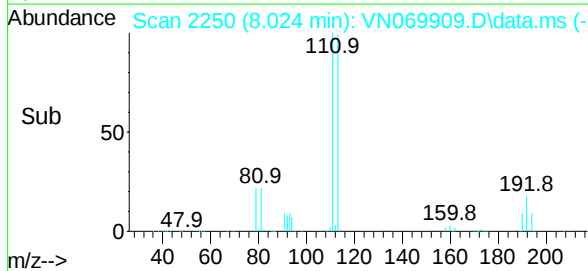
Instrument :
MSVOA_N
Client Sample Id :
MW-3



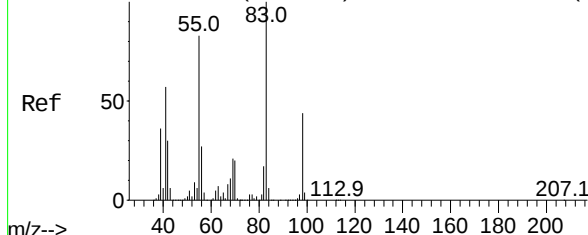
Tgt Ion: 113 Resp: 64176
Ion Ratio Lower Upper
113 100
111 102.5 82.2 123.2
192 18.6 16.9 25.3

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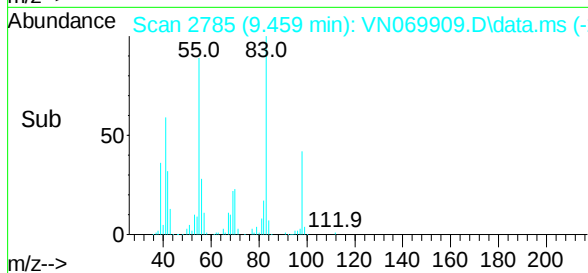
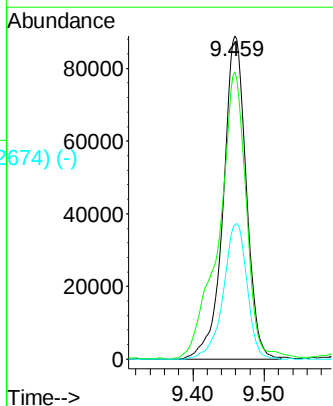
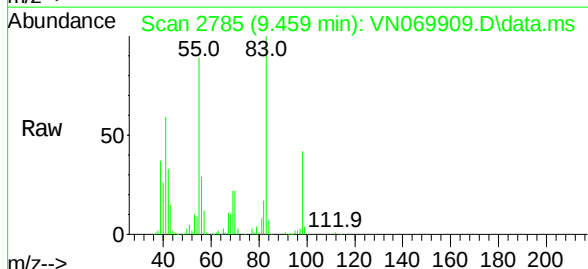


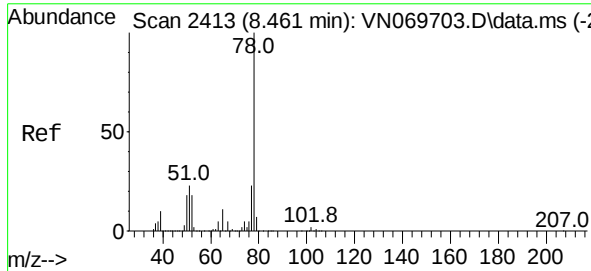
Abundance Scan 2786 (9.461 min): VN069703.D\data.ms (-27649-)



Methylcyclohexane
Concen: 8.446 ug/l
RT: 9.459 min Scan# 2785
Delta R.T. -0.003 min
Lab File: VN069909.D
Acq: 9 Dec 2021 14:13

Tgt Ion: 83 Resp: 198263
Ion Ratio Lower Upper
83 100
55 88.2 58.1 87.1#
98 41.6 38.4 57.6





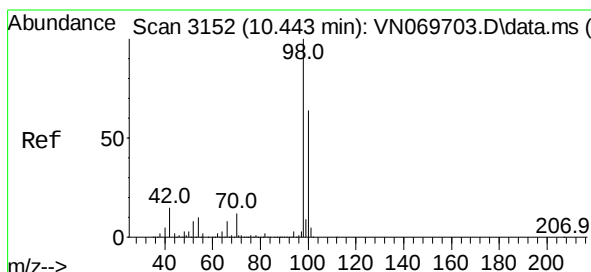
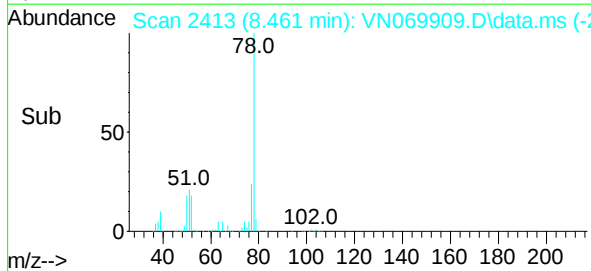
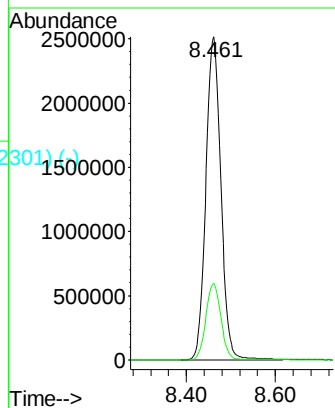
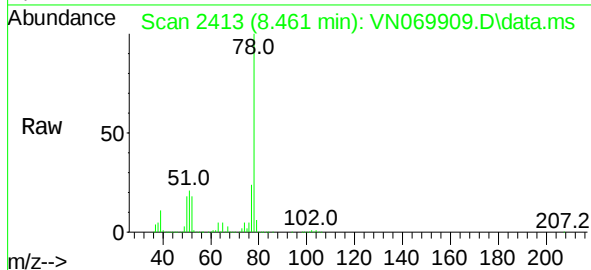
Benzene
Concen: 97.700 ug/l
RT: 8.461 min Scan# 2413
Delta R.T. 0.000 min
Lab File: VN069909.D
Acq: 9 Dec 2021 14:13

Instrument :
MSVOA_N
Client SampleId :
MW-3

Tgt Ion: 78 Resp: 589362
Ion Ratio Lower Upper
78 100
77 23.6 18.6 27.8

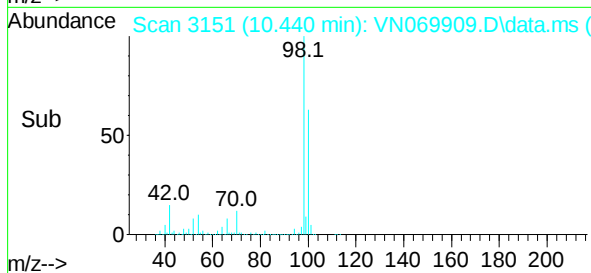
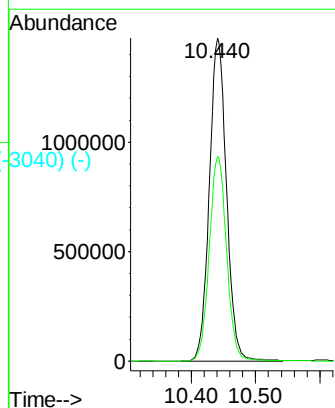
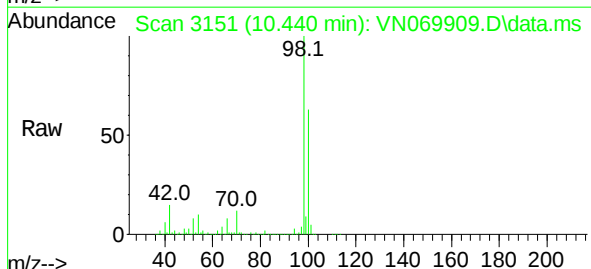
Manual Integrations
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Reviewed By :Mahesh Dadoda 12/22/2021
Supervised By :Semsettin Yesilyurt 12/22/2021

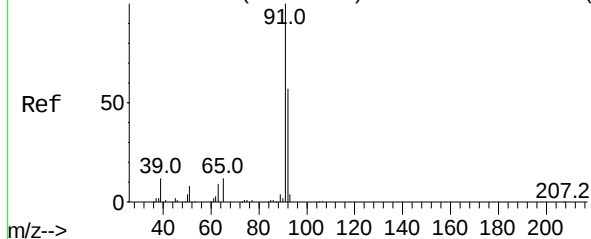


Toluene-d8
Concen: 52.718 ug/l
RT: 10.440 min Scan# 3151
Delta R.T. -0.003 min
Lab File: VN069909.D
Acq: 9 Dec 2021 14:13

Tgt Ion: 98 Resp: 2748783
Ion Ratio Lower Upper
98 100
100 64.0 50.4 75.6



Abundance Scan 3176 (10.507 min): VN069703.D\data.ms (-3152)



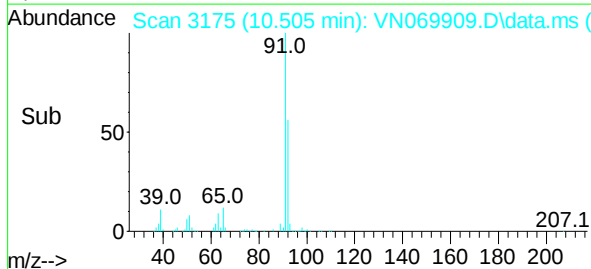
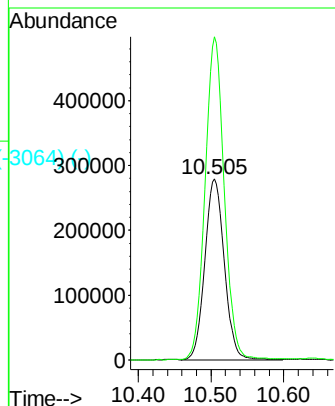
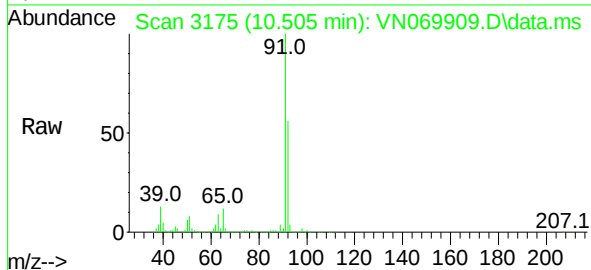
Toluene
Concen: 14.202 ug/l
RT: 10.505 min Scan# 3176
Delta R.T. -0.003 min
Lab File: VN069909.D
Acq: 9 Dec 2021 14:13

Instrument :
MSVOA_N
Client Sample Id :
MW-3

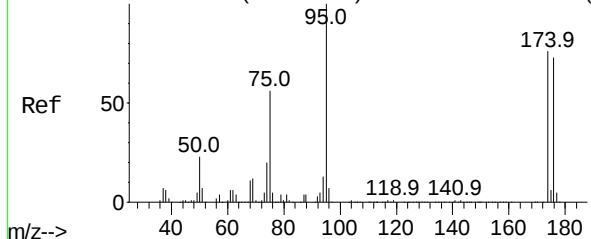
Tgt Ion: 92 Resp: 52300
Ion Ratio Lower Upper
92 100
91 175.6 142.0 213.0

Manual Integrations
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Supervised By :Semsettin Yesilyurt 12/22/2021

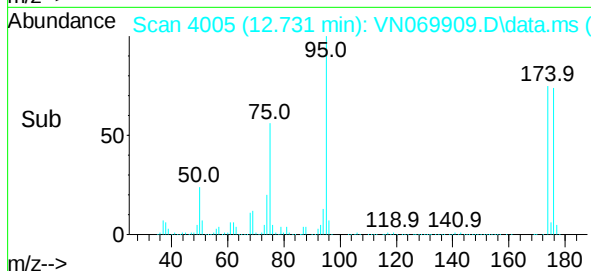
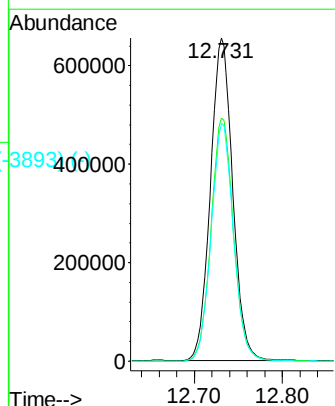
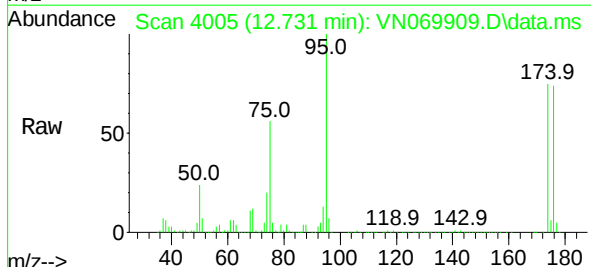


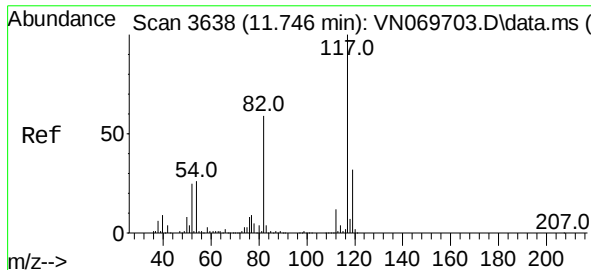
Abundance Scan 4005 (12.731 min): VN069703.D\data.ms (-3962)



4-Bromofluorobenzene
Concen: 61.040 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.000 min
Lab File: VN069909.D
Acq: 9 Dec 2021 14:13

Tgt Ion: 95 Resp: 1153036
Ion Ratio Lower Upper
95 100
174 76.3 0.0 187.2
176 73.8 0.0 181.4





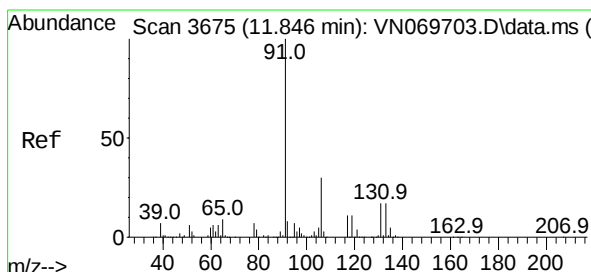
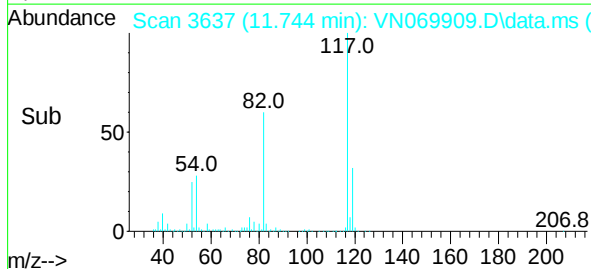
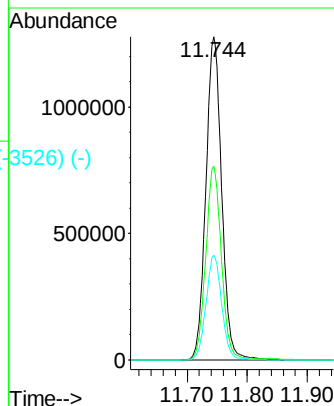
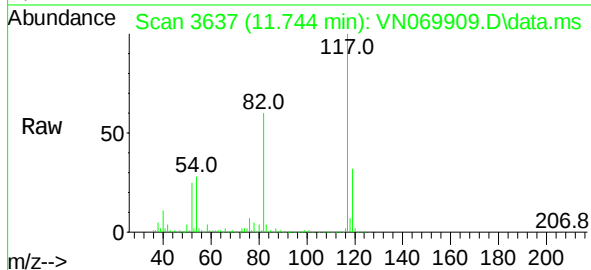
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.744 min Scan# 3653
Delta R.T. -0.002 min
Lab File: VN069909.D
Acq: 9 Dec 2021 14:13

Instrument :
MSVOA_N
Client Sample Id :
MW-3

Tgt Ion: 117 Resp: 231932
Ion Ratio Lower Upper
117 100
82 60.0 42.4 63.6
119 32.5 25.4 38.2

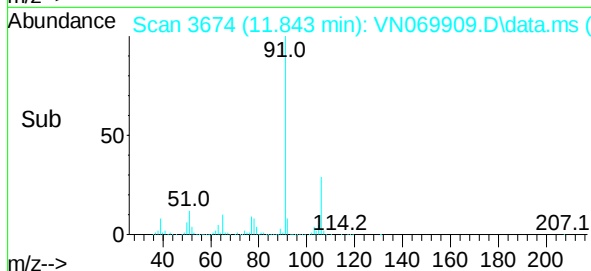
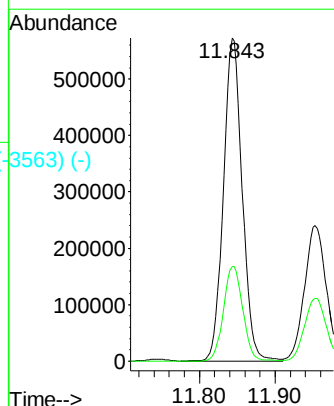
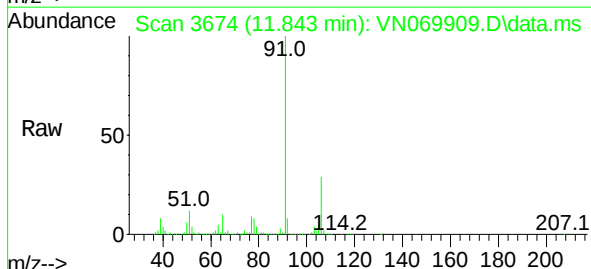
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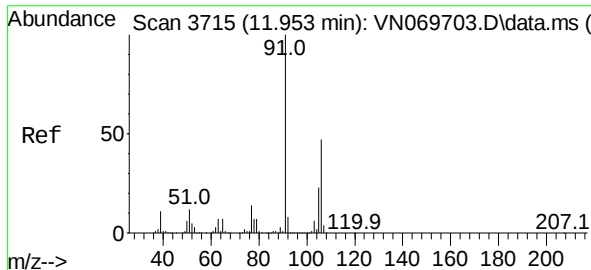
Reviewed By :Mahesh Dadoda 12/22/2021
Supervised By :Semsettin Yesilyurt 12/22/2021



Ethyl Benzene
Concen: 11.526 ug/l
RT: 11.843 min Scan# 3674
Delta R.T. -0.003 min
Lab File: VN069909.D
Acq: 9 Dec 2021 14:13

Tgt Ion: 91 Resp: 985120
Ion Ratio Lower Upper
91 100
106 29.4 25.7 38.5





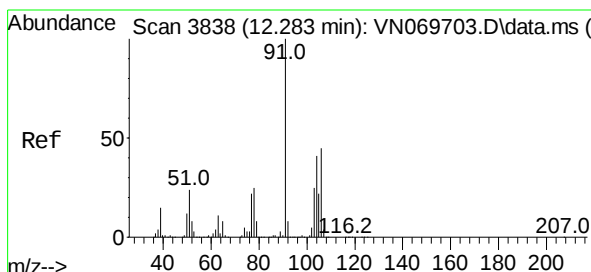
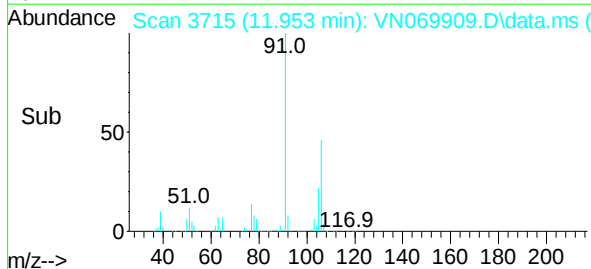
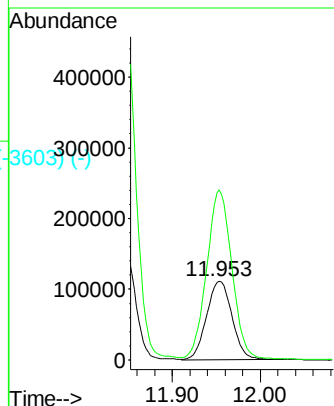
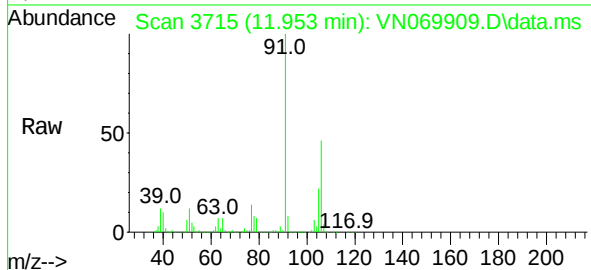
m/p-Xylenes
Concen: 7.163 ug/l
RT: 11.953 min Scan# 3715
Delta R.T. 0.000 min
Lab File: VN069909.D
Acq: 9 Dec 2021 14:13

Instrument :
MSVOA_N
ClientSampleId :
MW-3

Tgt Ion:106 Resp: 2229
Ion Ratio Lower Upper
106 100
91 213.3 160.6 240.8

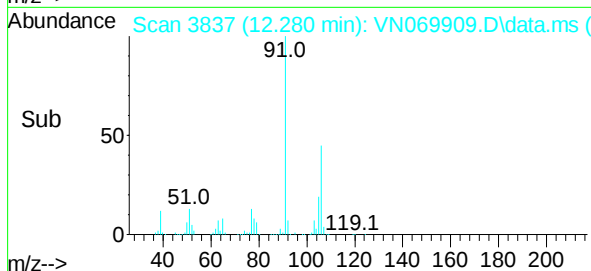
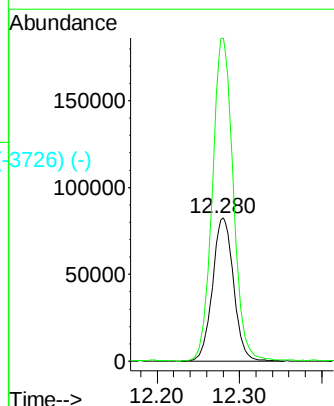
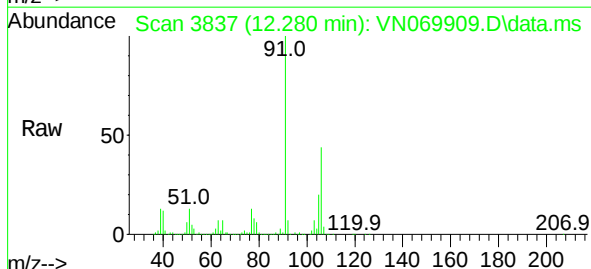
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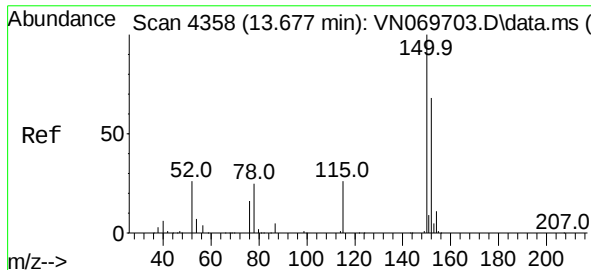
Reviewed By :Mahesh Dadoda 12/22/2021
Supervised By :Semsettin Yesilyurt 12/22/2021



o-Xylene
Concen: 4.666 ug/l
RT: 12.280 min Scan# 3837
Delta R.T. -0.003 min
Lab File: VN069909.D
Acq: 9 Dec 2021 14:13

Tgt Ion:106 Resp: 146251
Ion Ratio Lower Upper
106 100
91 224.4 105.8 317.3





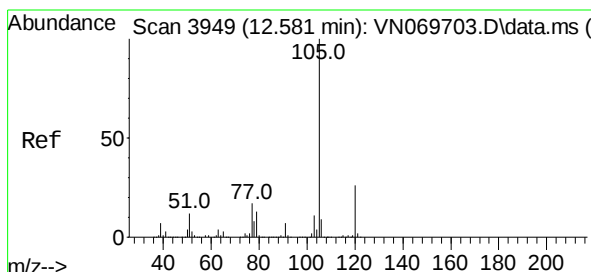
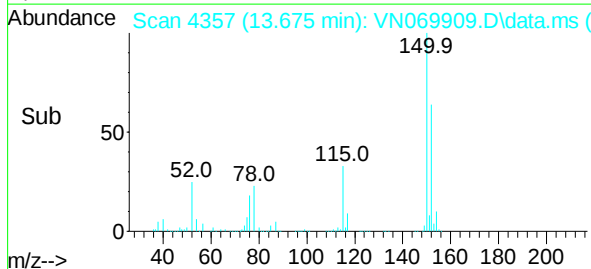
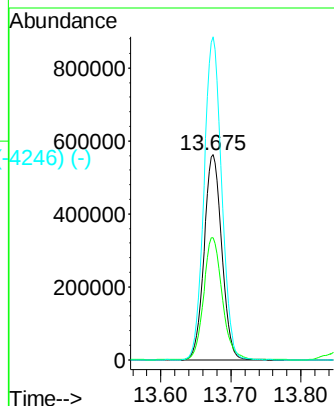
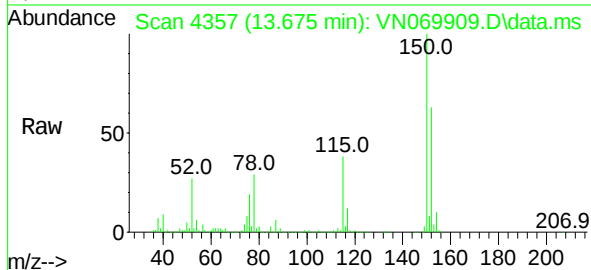
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.675 min Scan# 4359
Delta R.T. -0.003 min
Lab File: VN069909.D
Acq: 9 Dec 2021 14:13

Instrument :
MSVOA_N
Client SampleId :
MW-3

Tgt Ion:152 Resp: 97939
Ion Ratio Lower Upper
152 100
115 62.3 27.5 82.5
150 157.5 0.0 344.4

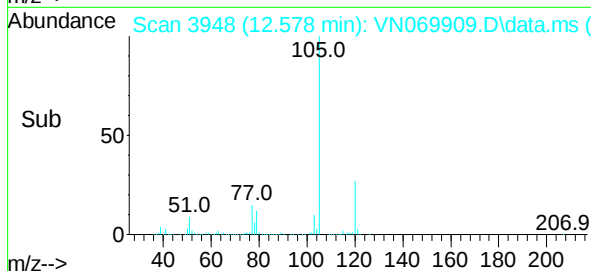
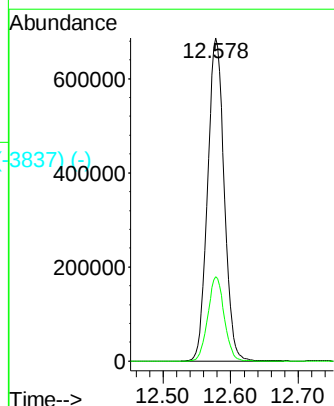
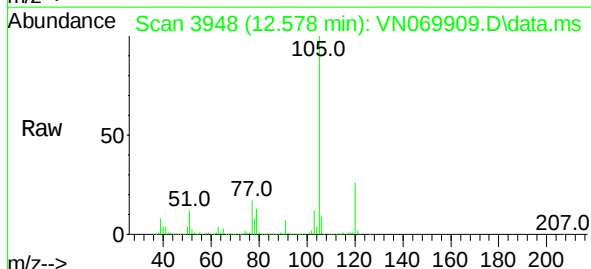
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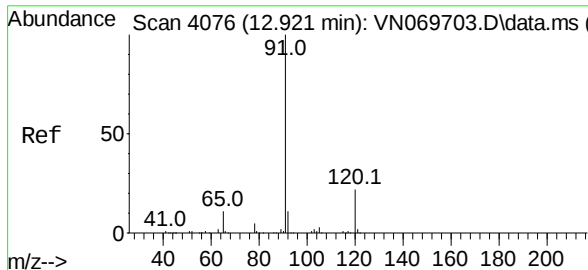
Reviewed By :Mahesh Dadoda 12/22/2021
Supervised By :Semsettin Yesilyurt 12/22/2021



Isopropylbenzene
Concen: 13.398 ug/l
RT: 12.578 min Scan# 3948
Delta R.T. -0.003 min
Lab File: VN069909.D
Acq: 9 Dec 2021 14:13

Tgt Ion:105 Resp: 1167460
Ion Ratio Lower Upper
105 100
120 25.8 13.4 40.1





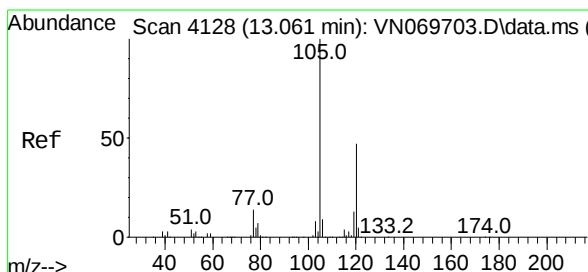
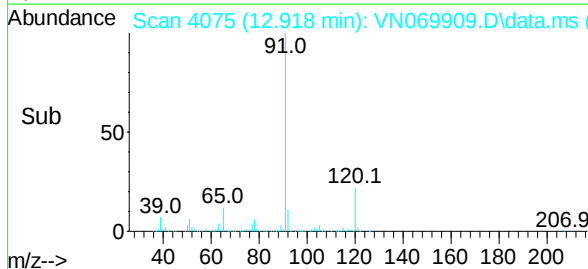
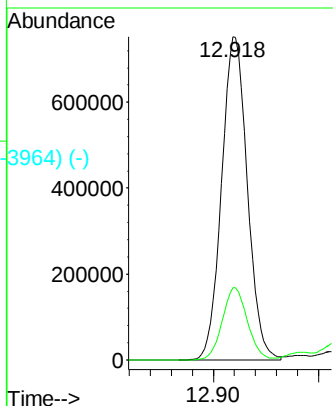
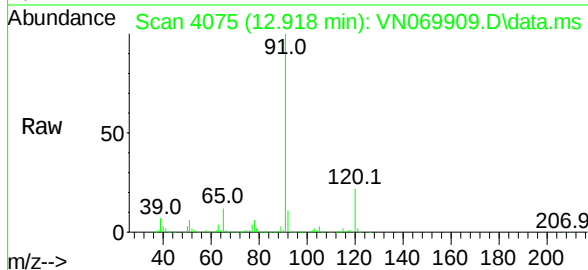
Scan 4076 (12.921 min): VN069703.D\data.ms (-4076) (-)
 n-propylbenzene
 Concen: 13.171 ug/l
 RT: 12.918 min Scan# 4075
 Delta R.T. -0.003 min
 Lab File: VN069909.D
 Acq: 9 Dec 2021 14:13

Instrument : MSVOA_N
 Client Sample Id : MW-3

Tgt Ion: 91 Resp: 127714
 Ion Ratio Lower Upper
 91 100
 120 21.8 11.9 35.9

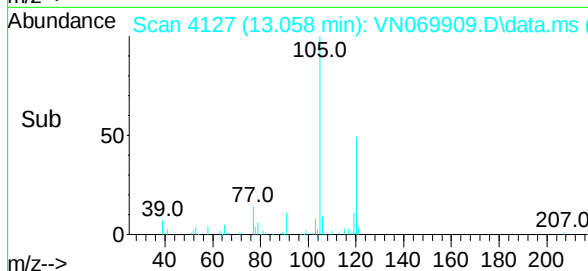
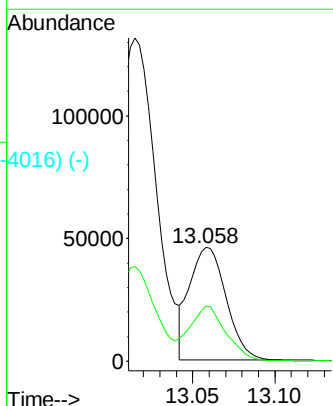
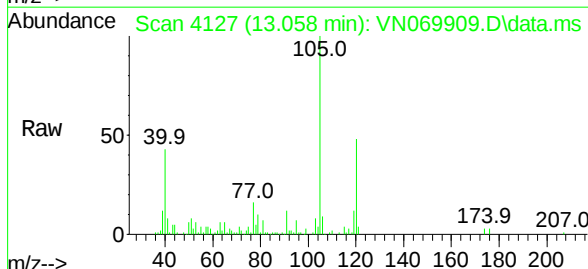
Manual Integrations
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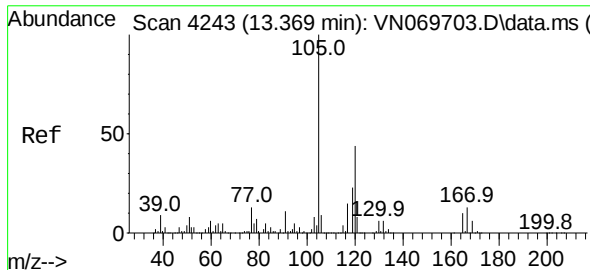
Reviewed By :Mahesh Dadoda 12/22/2021
 Supervised By :Semsettin Yesilyurt 12/22/2021



Scan 4128 (13.061 min): VN069703.D\data.ms (-4128) (-)
 1,3,5-Trimethylbenzene
 Concen: 1.012 ug/l
 RT: 13.058 min Scan# 4127
 Delta R.T. -0.003 min
 Lab File: VN069909.D
 Acq: 9 Dec 2021 14:13

Tgt Ion:105 Resp: 70990
 Ion Ratio Lower Upper
 105 100
 120 49.7 24.6 73.6





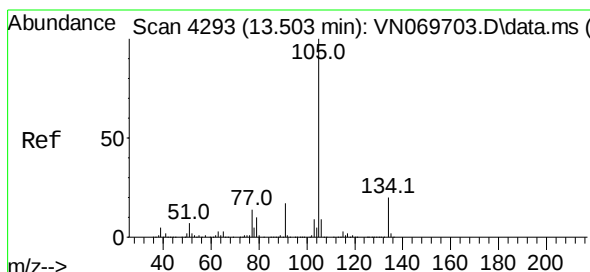
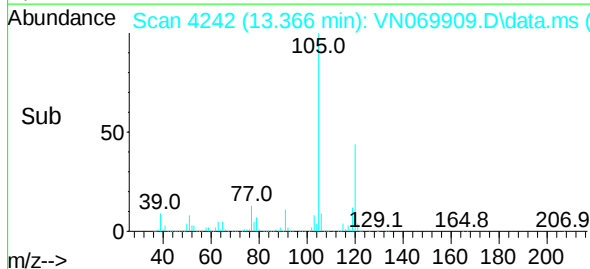
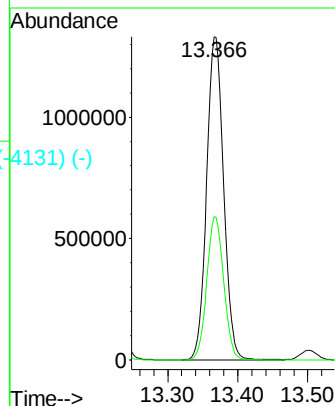
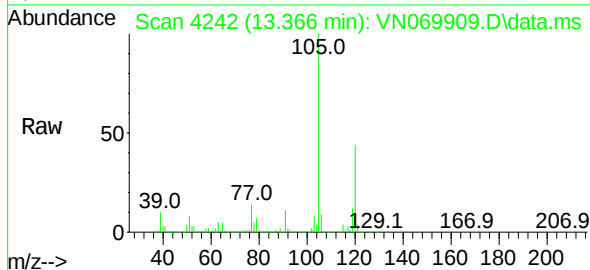
1,2,4-Trimethylbenzene
Concen: 33.303 ug/l
RT: 13.366 min Scan# 4243
Delta R.T. -0.003 min
Lab File: VN069909.D
Acq: 9 Dec 2021 14:13

Instrument :
MSVOA_N
Client SampleId :
MW-3

Tgt Ion:105 Resp: 222446
Ion Ratio Lower Upper
105 100
120 44.3 22.8 68.4

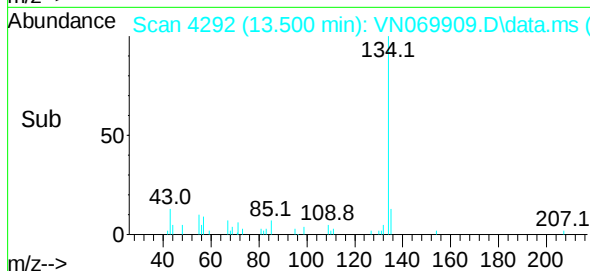
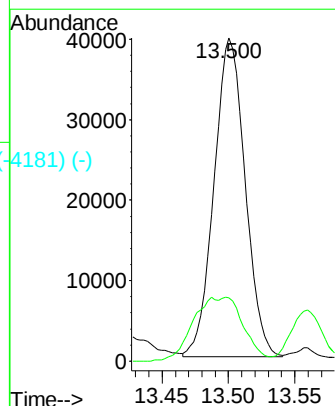
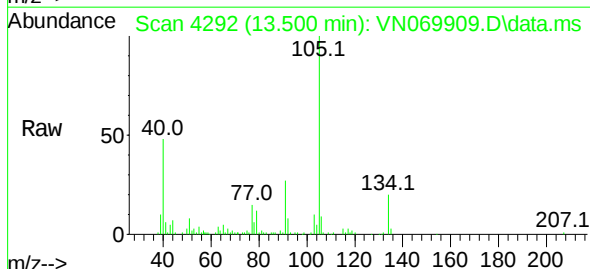
Manual Integrations
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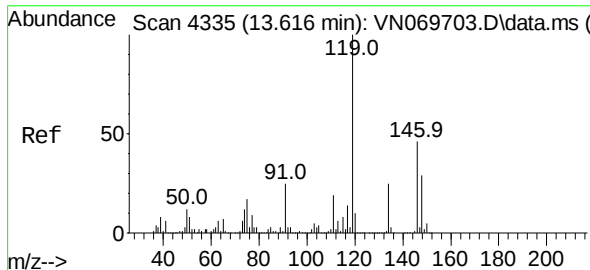
Reviewed By :Mahesh Dadoda 12/22/2021
Supervised By :Semsettin Yesilyurt 12/22/2021



sec-Butylbenzene
Concen: 0.767 ug/l m
RT: 13.500 min Scan# 4292
Delta R.T. -0.003 min
Lab File: VN069909.D
Acq: 9 Dec 2021 14:13

Tgt Ion:105 Resp: 64595
Ion Ratio Lower Upper
105 100
134 0.0 10.4 31.1#





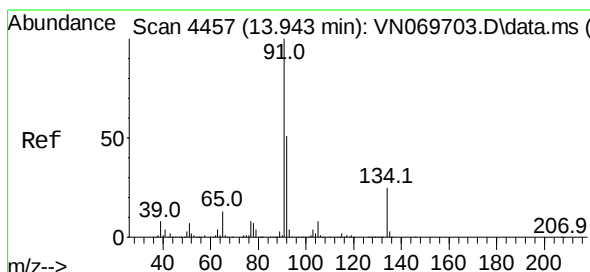
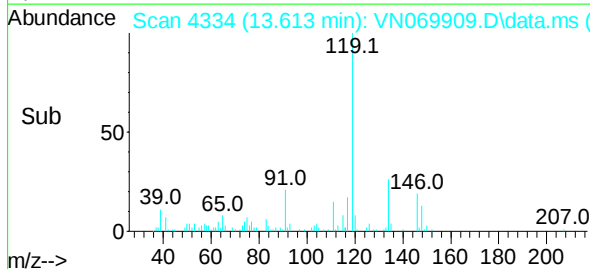
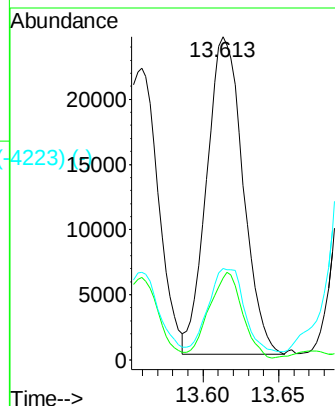
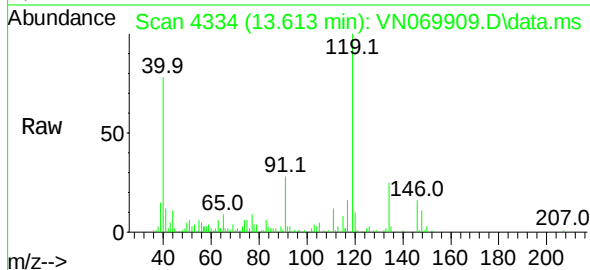
p-Isopropyltoluene
Concen: 0.616 ug/l
RT: 13.613 min Scan# 4335
Delta R.T. -0.003 min
Lab File: VN069909.D
Acq: 9 Dec 2021 14:13

Instrument :
MSVOA_N
Client Sample Id :
MW-3

Tgt Ion:	119	Resp:	4058
Ion	Ratio	Lower	Upper
119	100		
134	24.6	13.6	40.7
91	25.5	11.4	34.1

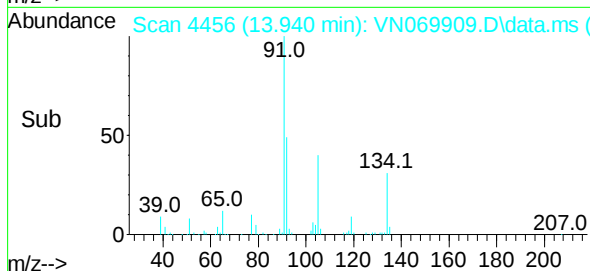
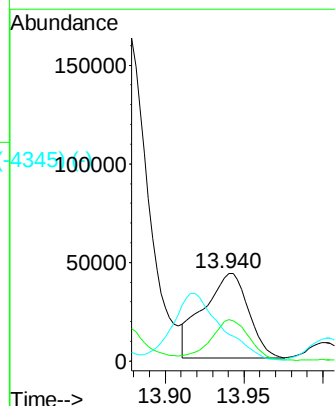
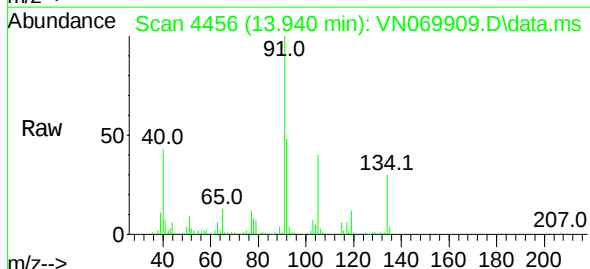
Manual Integrations
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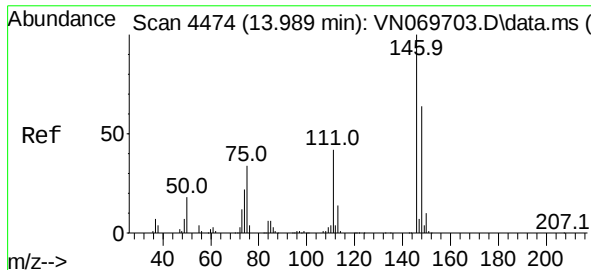
Reviewed By :Mahesh Dadoda 12/22/2021
Supervised By :Semsettin Yesilyurt 12/22/2021



n-Butylbenzene
Concen: 1.597 ug/l
RT: 13.940 min Scan# 4456
Delta R.T. -0.003 min
Lab File: VN069909.D
Acq: 9 Dec 2021 14:13

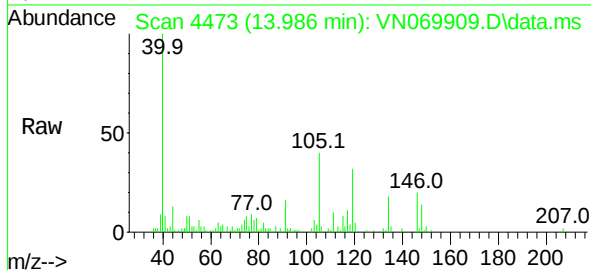
Tgt Ion:	91	Resp:	85322
Ion	Ratio	Lower	Upper
91	100		
92	40.8	25.4	76.0
134	0.0	13.6	40.8#





1,2-Dichlorobenzene
Concen: 0.238 ug/l
RT: 13.986 min Scan# 4494
Delta R.T. -0.003 min
Lab File: VN069909.D
Acq: 9 Dec 2021 14:13

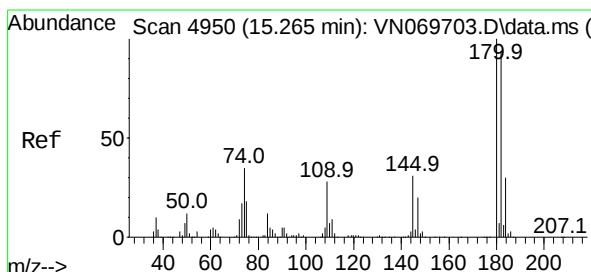
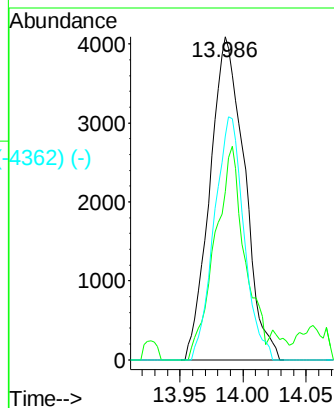
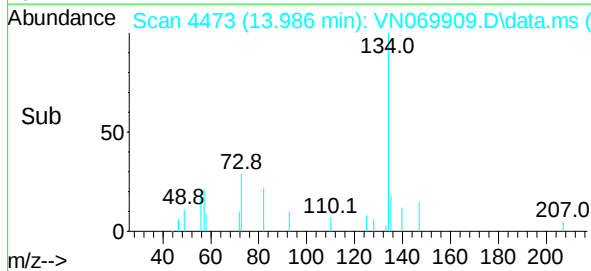
Instrument :
MSVOA_N
Client Sample Id :
MW-3



Tgt Ion:146 Resp: 779
Ion Ratio Lower Upper
146 100
111 58.0 19.1 57.3
148 64.6 32.1 96.3

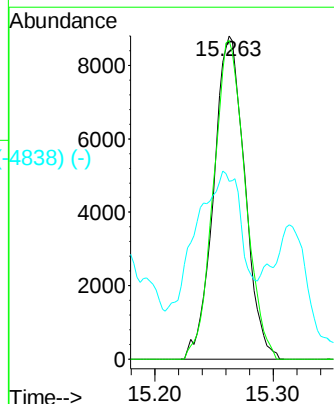
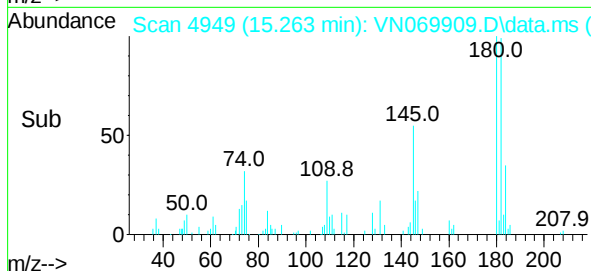
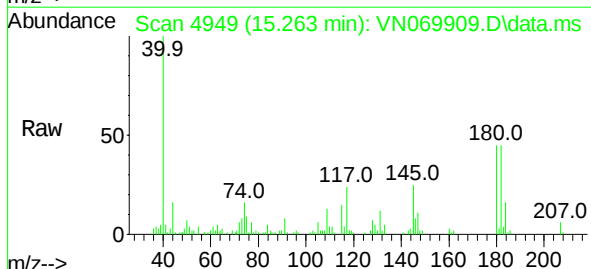
Manual Integrations
APPROVED

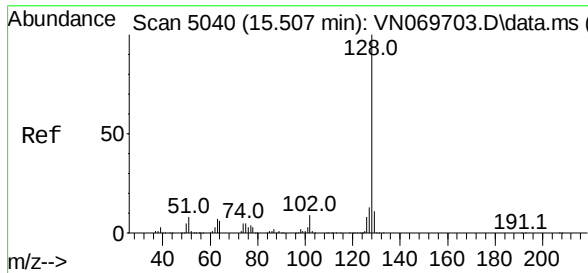
Reviewed By :Mahesh Dadoda 12/22/2021
Supervised By :Semsettin Yesilyurt 12/22/2021



1,2,4-Trichlorobenzene
Concen: 3.827 ug/l
RT: 15.263 min Scan# 4949
Delta R.T. -0.002 min
Lab File: VN069909.D
Acq: 9 Dec 2021 14:13

Tgt Ion:180 Resp: 16177
Ion Ratio Lower Upper
180 100
182 100.6 48.3 144.9
145 54.7 14.5 43.5#





Naphthalene
 Concen: 7.672 ug/l
 RT: 15.504 min Scan# 4928
 Delta R.T. -0.003 min
 Lab File: VN069909.D
 Acq: 9 Dec 2021 14:13

Instrument :
 MSVOA_N
 Client Sample Id :
 MW-3

Tgt Ion:	128	Resp:	19175
Ion	Ratio	Lower	Upper
128	100		
127	13.9	10.5	15.7
129	10.0	8.7	13.1

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 12/22/2021
 Supervised By :Semsettin Yesilyurt 12/22/2021

