

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121621\
 Data File : VN070149.D
 Acq On : 16 Dec 2021 20:05
 Operator : JC/MD
 Sample : M4940-06
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-16

Quant Time: Dec 17 01:03:53 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

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 12/23/2021
 Supervised By :Semsettin Yesilyurt 12/23/2021

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

Internal Standards						
1) Pentafluorobenzene	8.088	168	918042	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	1532626	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.747	117	1388015	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	580402	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	770142	54.333	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery	= 108.660%		
35) Dibromofluoromethane	8.024	113	493479	51.404	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery	= 102.800%		
50) Toluene-d8	10.443	98	1985857	51.517	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery	= 103.040%		
62) 4-Bromofluorobenzene	12.731	95	714114	51.136	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery	= 102.280%		
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.390	59	80544	30.061	ug/l #	71
19) Methyl tert-butyl Ether	5.626	73	48189m	1.417	ug/l	
31) Cyclohexane	8.096	56	295445m	14.977	ug/l	
39) Methylcyclohexane	9.459	83	134455	7.748	ug/l #	88
40) Benzene	8.461	78	4334257	97.188	ug/l	99
52) Toluene	10.507	92	54856	2.015	ug/l	97
67) Ethyl Benzene	11.846	91	748706	14.638	ug/l	96
68) m/p-Xylenes	11.956	106	173868	9.336	ug/l	91
69) o-Xylene	12.283	106	23120	1.232	ug/l	93
73) Isopropylbenzene	12.581	105	1036723	20.076	ug/l	98
78) n-propylbenzene	12.921	91	2978486	51.833	ug/l	95
80) 1,3,5-Trimethylbenzene	13.058	105	83798	2.016	ug/l	94
83) tert-Butylbenzene	13.326	119	19513	0.530	ug/l	95
84) 1,2,4-Trimethylbenzene	13.369	105	449073	11.345	ug/l	97
85) sec-Butylbenzene	13.501	105	236783	4.743	ug/l #	77
95) Naphthalene	15.507	128	357695	15.591	ug/l	99

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

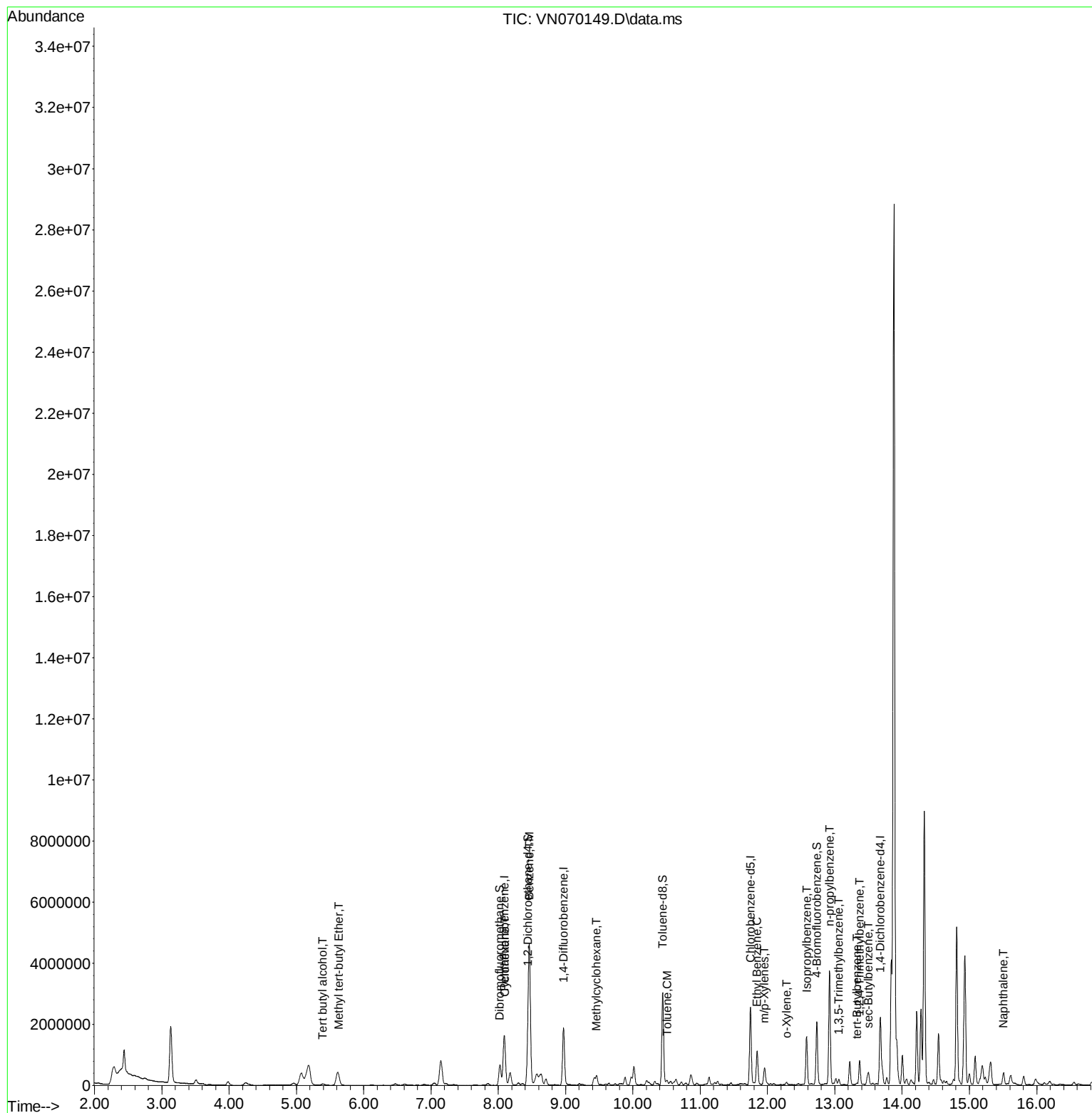
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121621\
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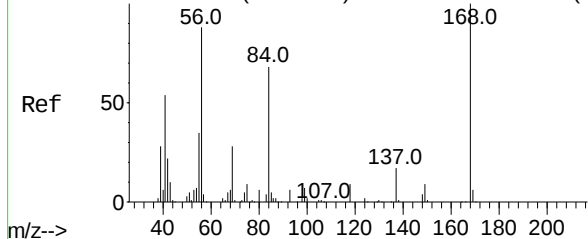
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Quant Time: Dec 17 01:03:53 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N120221W.M
Quant Title : SW846 8260
QLast Update : Fri Dec 03 08:46:47 2021
Response via : Initial Calibration



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



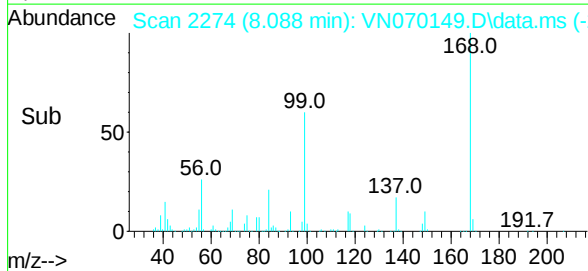
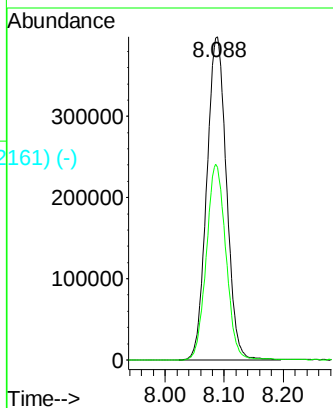
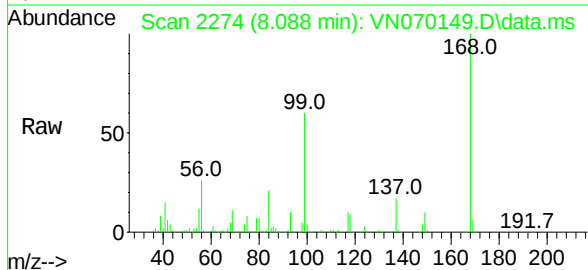
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 2161
Delta R.T. 0.002 min
Lab File: VN070149.D
Acq: 16 Dec 2021 20:05

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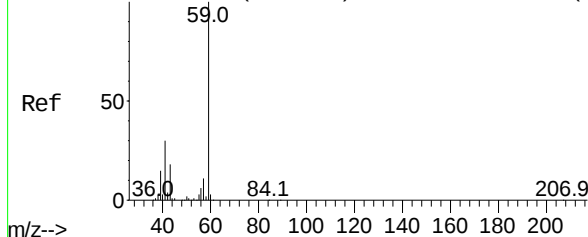
Tgt Ion:168 Resp: 91804
Ion Ratio Lower Upper
168 100
99 59.5 41.3 61.9

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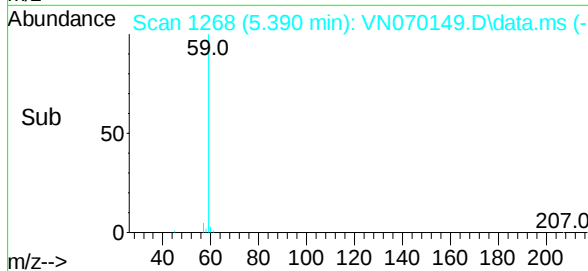
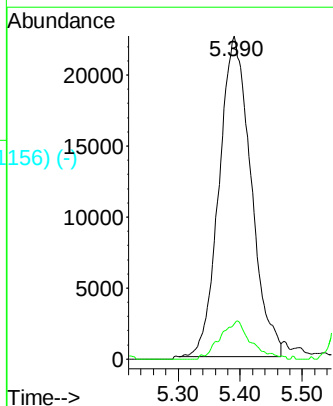
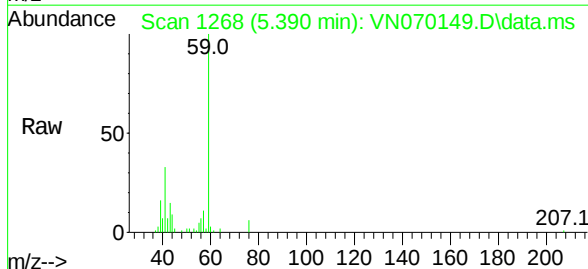


Abundance Scan 1268 (5.390 min): VN069703.D\data.ms (-1219) (-)

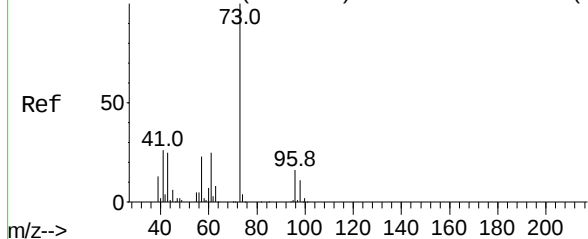


Tert butyl alcohol
Concen: 30.061 ug/l
RT: 5.390 min Scan# 1268
Delta R.T. 0.000 min
Lab File: VN070149.D
Acq: 16 Dec 2021 20:05

Tgt Ion: 59 Resp: 80544
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#



Abundance Scan 1353 (5.618 min): VN069703.D\data.ms (-1319)



Methyl tert-butyl Ether
Concen: 1.417 ug/l m
RT: 5.626 min Scan# 1353
Delta R.T. 0.008 min
Lab File: VN070149.D
Acq: 16 Dec 2021 20:05

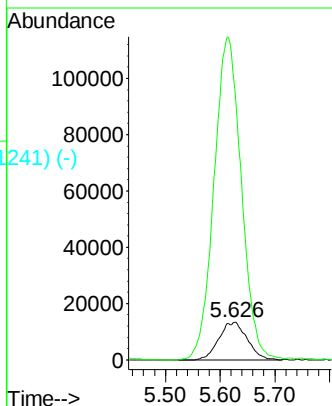
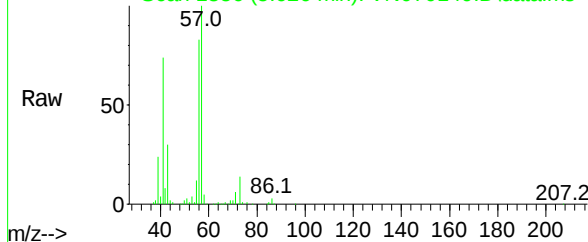
Instrument :
MSVOA_N
Client Sample Id :
MW-16

Tgt Ion: 73 Resp: 4818
Ion Ratio Lower Upper
73 100
57 718.1 16.8 25.2

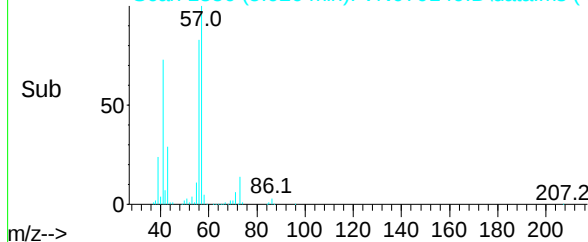
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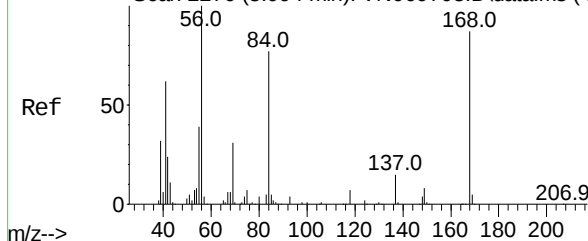
Abundance Scan 1356 (5.626 min): VN070149.D\data.ms



Abundance Scan 1356 (5.626 min): VN070149.D\data.ms (-1241) (-)



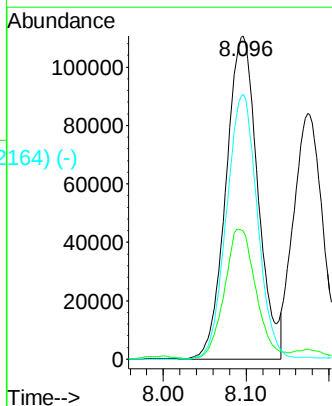
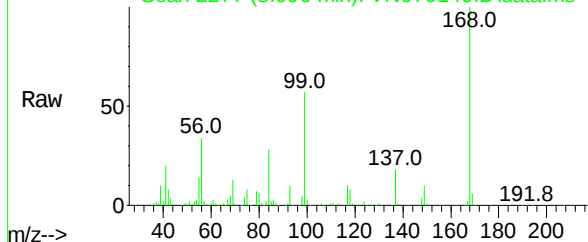
Abundance Scan 2276 (8.094 min): VN069703.D\data.ms (-2248)



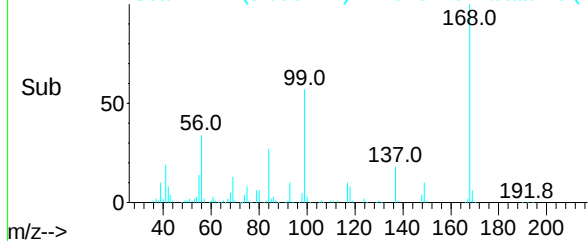
Cyclohexane
Concen: 14.977 ug/l m
RT: 8.096 min Scan# 2277
Delta R.T. 0.003 min
Lab File: VN070149.D
Acq: 16 Dec 2021 20:05

Tgt Ion: 56 Resp: 295445
Ion Ratio Lower Upper
56 100
69 39.6 27.1 40.7
84 81.9 73.4 110.0

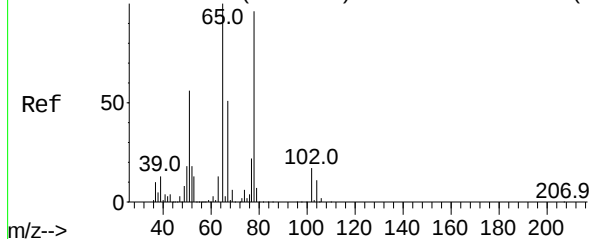
Abundance Scan 2277 (8.096 min): VN070149.D\data.ms



Abundance Scan 2277 (8.096 min): VN070149.D\data.ms (-2164) (-)



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



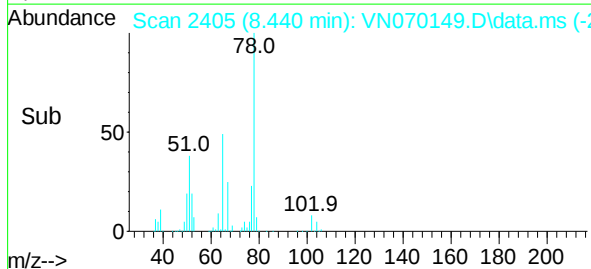
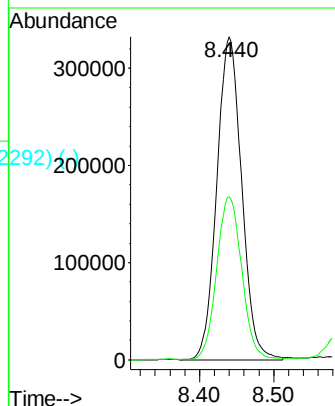
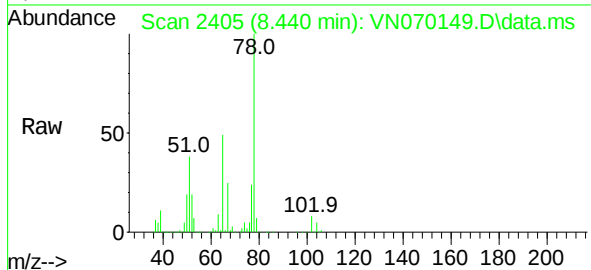
1,2-Dichloroethane-d4
Concen: 54.333 ug/l
RT: 8.440 min Scan# 2404
Delta R.T. 0.003 min
Lab File: VN070149.D
Acq: 16 Dec 2021 20:05

Instrument :
MSVOA_N
Client SampleId :
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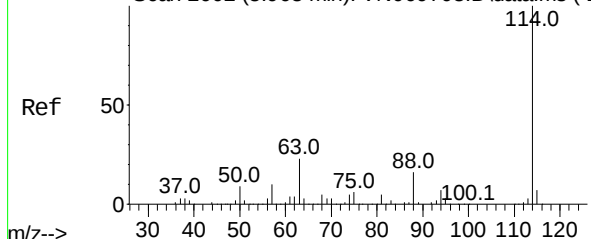
Tgt Ion: 65 Resp: 77014
Ion Ratio Lower Upper
65 100
67 51.0 0.0 103.0

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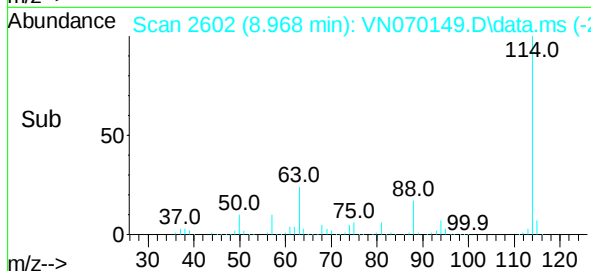
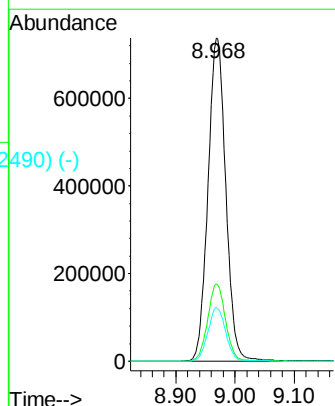
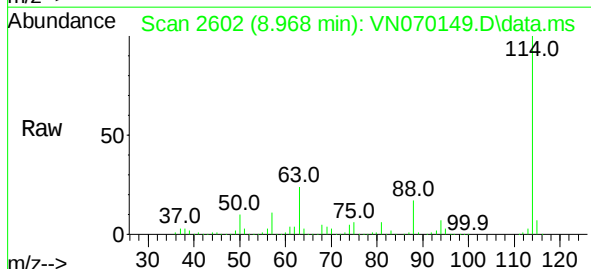


Abundance Scan 2602 (8.968 min): VN069703.D\data.ms (-2560)

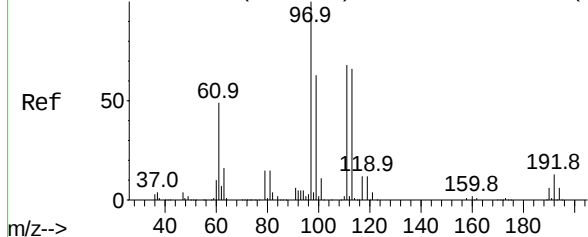


1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.968 min Scan# 2602
Delta R.T. 0.000 min
Lab File: VN070149.D
Acq: 16 Dec 2021 20:05

Tgt Ion:114 Resp: 1532626
Ion Ratio Lower Upper
114 100
63 24.0 0.0 37.8
88 16.6 0.0 27.4



Abundance Scan 2250 (8.024 min): VN069703.D\data.ms (-2225) (-)



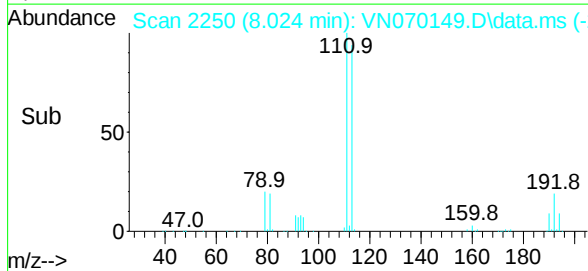
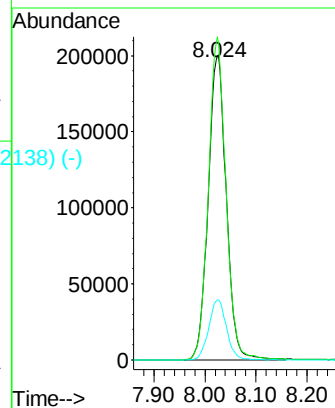
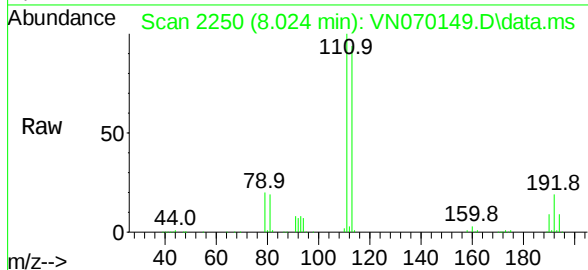
Dibromofluoromethane
Concen: 51.404 ug/l
RT: 8.024 min Scan# 2135
Delta R.T. 0.000 min
Lab File: VN070149.D
Acq: 16 Dec 2021 20:05

Instrument :
MSVOA_N
Client Sample Id :
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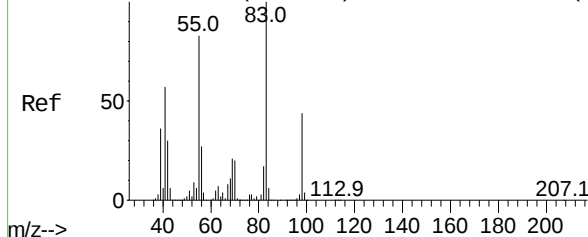
Tgt Ion: 113 Resp: 49347
Ion Ratio Lower Upper
113 100
111 101.6 82.2 123.2
192 19.2 16.9 25.3

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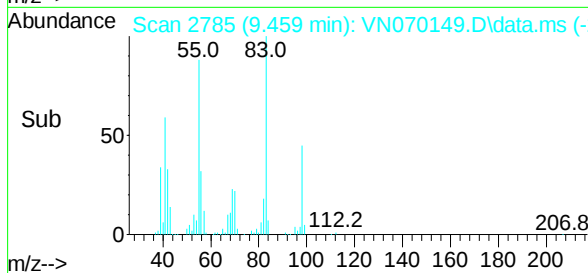
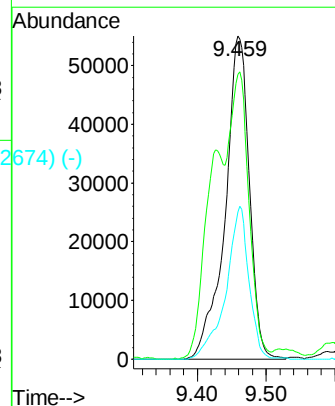
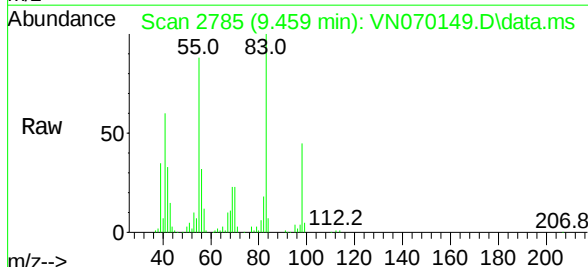


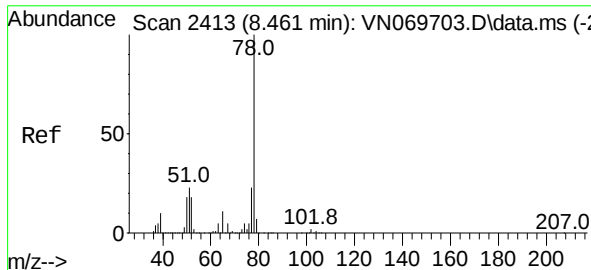
Abundance Scan 2786 (9.461 min): VN069703.D\data.ms (-2764) (-)



Methylcyclohexane
Concen: 7.748 ug/l
RT: 9.459 min Scan# 2785
Delta R.T. -0.003 min
Lab File: VN070149.D
Acq: 16 Dec 2021 20:05

Tgt Ion: 83 Resp: 134455
Ion Ratio Lower Upper
83 100
55 87.6 58.1 87.1#
98 45.5 38.4 57.6





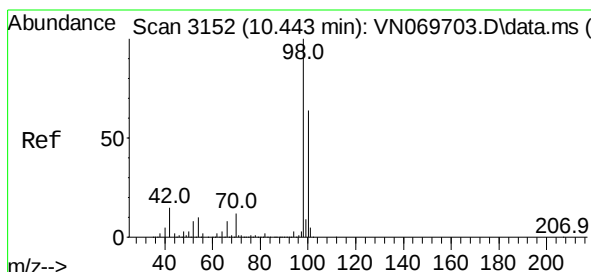
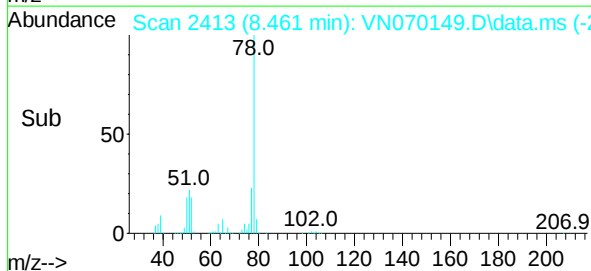
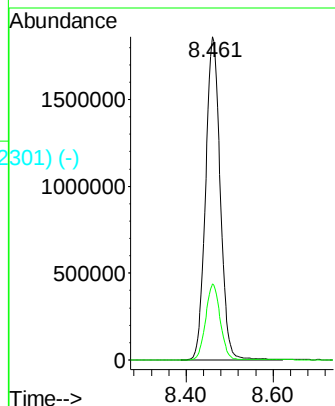
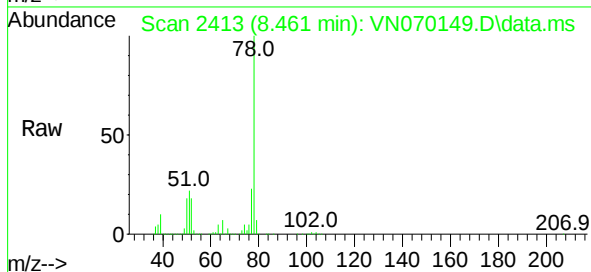
Benzene
Concen: 97.188 ug/l
RT: 8.461 min Scan# 2413
Delta R.T. 0.000 min
Lab File: VN070149.D
Acq: 16 Dec 2021 20:05

Instrument :
MSVOA_N
Client SampleId :
MW-16

Tgt Ion: 78 Resp: 433425
Ion Ratio Lower Upper
78 100
77 23.5 18.6 27.8

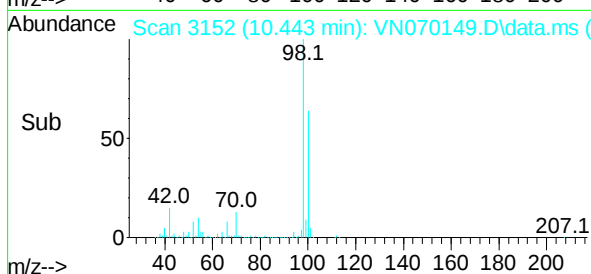
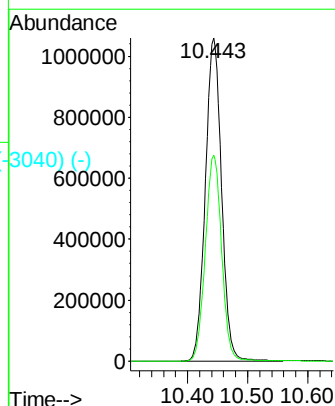
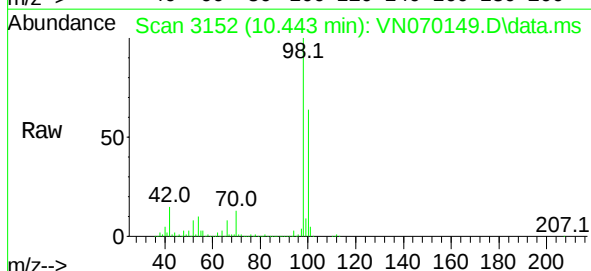
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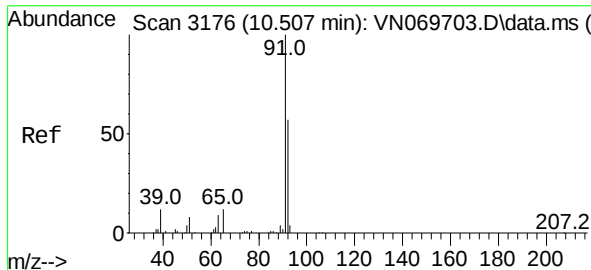
Reviewed By :Mahesh Dadoda 12/23/2021
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Toluene-d8
Concen: 51.517 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN070149.D
Acq: 16 Dec 2021 20:05

Tgt Ion: 98 Resp: 1985857
Ion Ratio Lower Upper
98 100
100 64.0 50.4 75.6





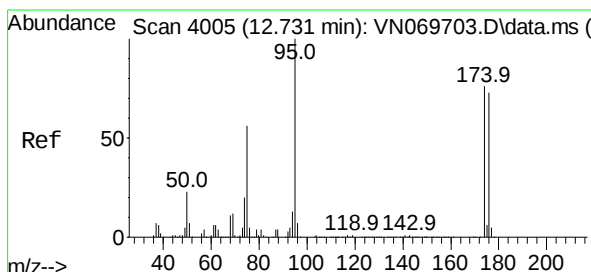
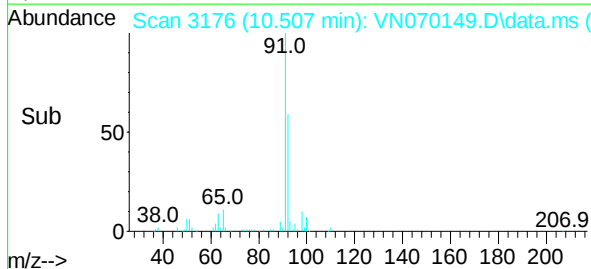
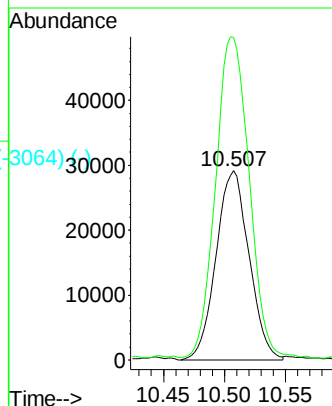
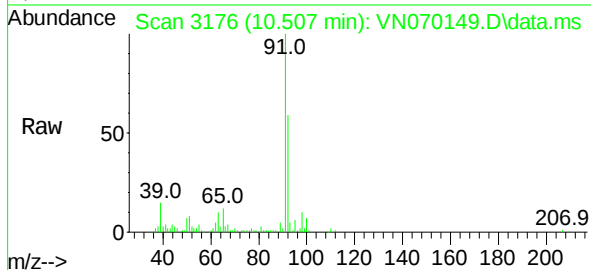
Scan 3176 (10.507 min): VN069703.D\data.ms (-3151)
 Toluene
 Concen: 2.015 ug/l
 RT: 10.507 min Scan# 3176
 Delta R.T. 0.000 min
 Lab File: VN070149.D
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Tgt Ion: 92 Resp: 5485
 Ion Ratio Lower Upper
 92 100
 91 173.1 142.0 213.0

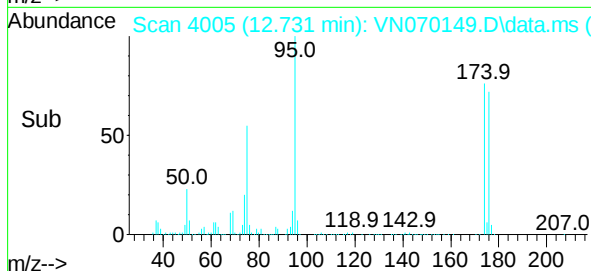
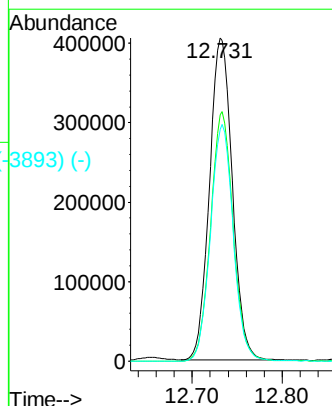
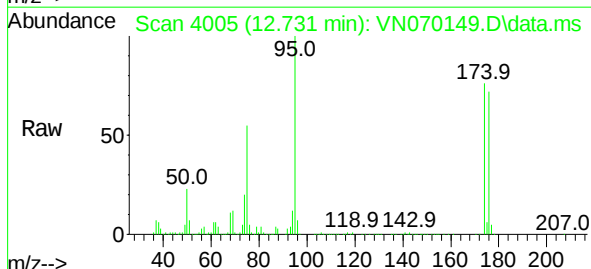
Manual Integrations
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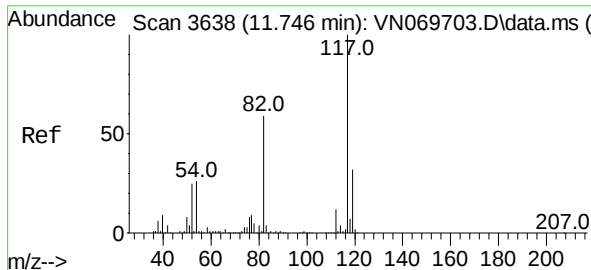
Reviewed By :Mahesh Dadoda 12/23/2021
 Supervised By :Semsettin Yesilyurt 12/23/2021



Scan 4005 (12.731 min): VN069703.D\data.ms (-3962)
 4-Bromofluorobenzene
 Concen: 51.136 ug/l
 RT: 12.731 min Scan# 4005
 Delta R.T. -0.000 min
 Lab File: VN070149.D
 Acq: 16 Dec 2021 20:05

Tgt Ion: 95 Resp: 714114
 Ion Ratio Lower Upper
 95 100
 174 76.5 0.0 187.2
 176 73.2 0.0 181.4





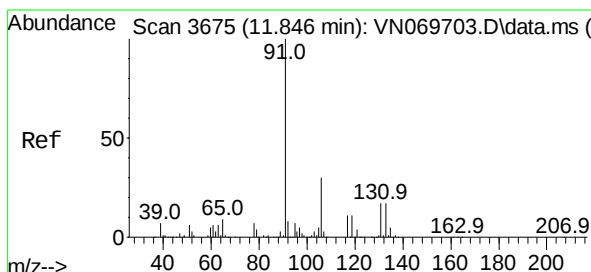
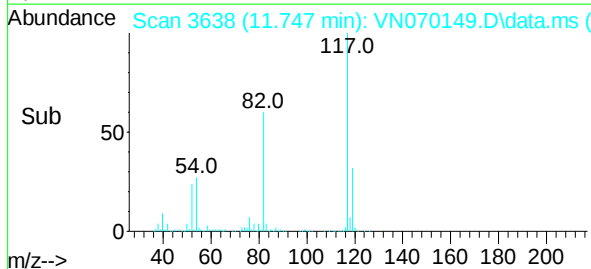
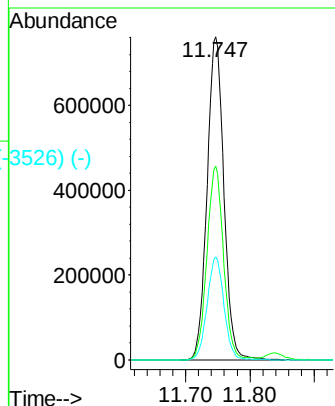
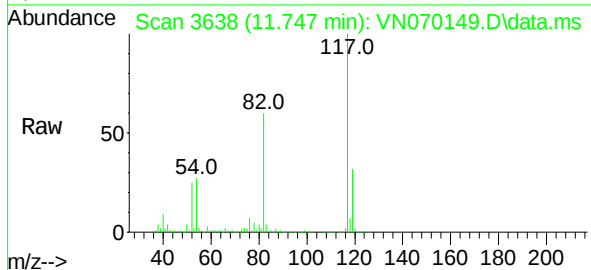
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.747 min Scan# 3659
Delta R.T. 0.001 min
Lab File: VN070149.D
Acq: 16 Dec 2021 20:05

Instrument :
MSVOA_N
Client Sample Id :
MW-16

Tgt Ion: 117 Resp: 138800
Ion Ratio Lower Upper
117 100
82 59.9 42.4 63.6
119 31.9 25.4 38.2

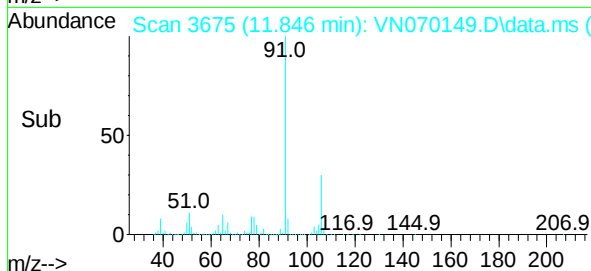
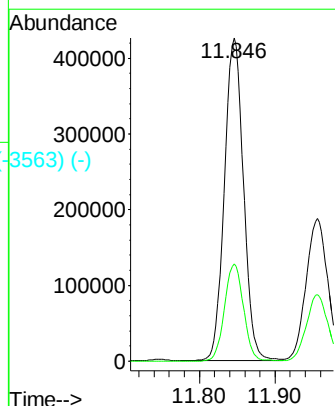
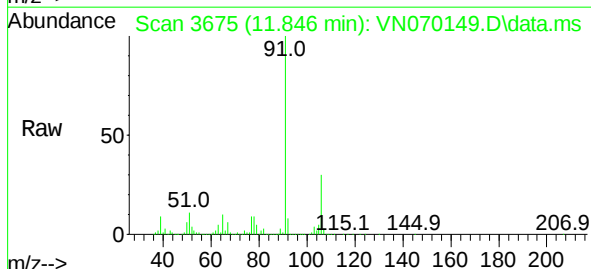
Manual Integrations
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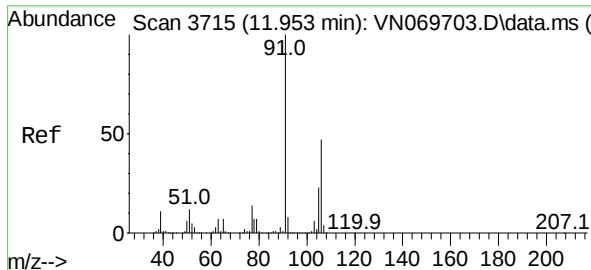
Reviewed By :Mahesh Dadoda 12/23/2021
Supervised By :Semsettin Yesilyurt 12/23/2021



Ethyl Benzene
Concen: 14.638 ug/l
RT: 11.846 min Scan# 3675
Delta R.T. 0.000 min
Lab File: VN070149.D
Acq: 16 Dec 2021 20:05

Tgt Ion: 91 Resp: 748706
Ion Ratio Lower Upper
91 100
106 30.1 25.7 38.5





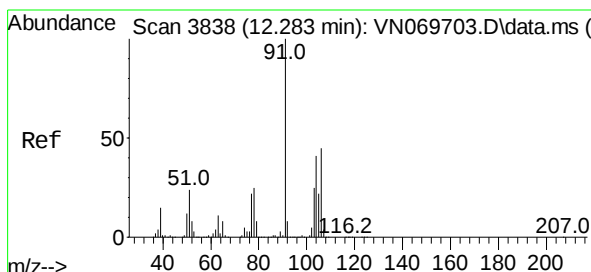
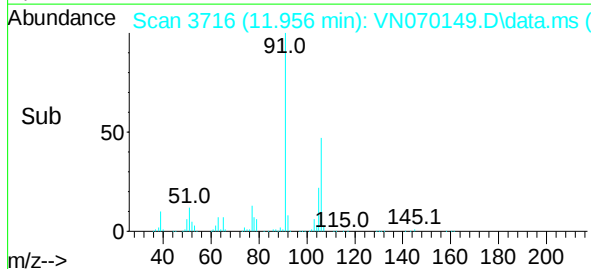
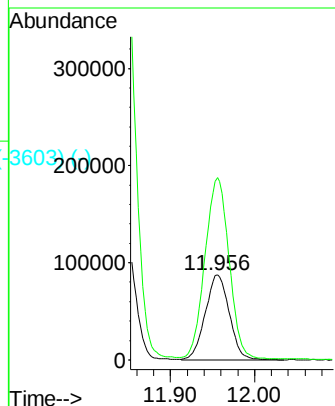
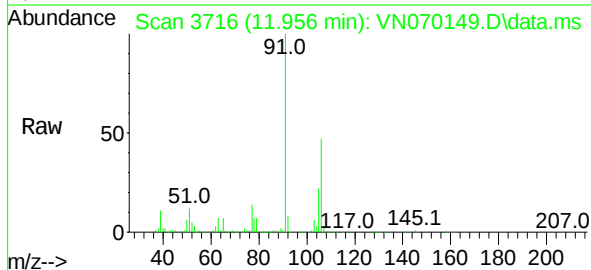
m/p-Xylenes
Concen: 9.336 ug/l
RT: 11.956 min Scan# 3603
Delta R.T. 0.003 min
Lab File: VN070149.D
Acq: 16 Dec 2021 20:05

Instrument :
MSVOA_N
Client Sample Id :
MW-16

Tgt Ion:106 Resp: 17386
Ion Ratio Lower Upper
106 100
91 214.3 160.6 240.8

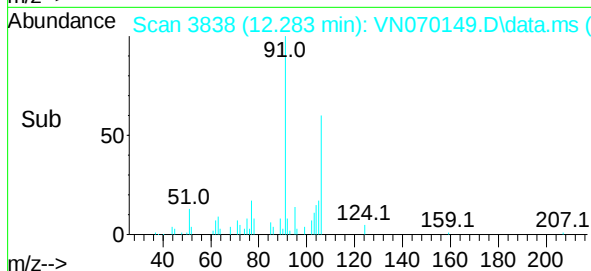
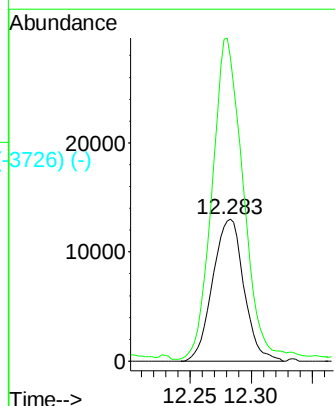
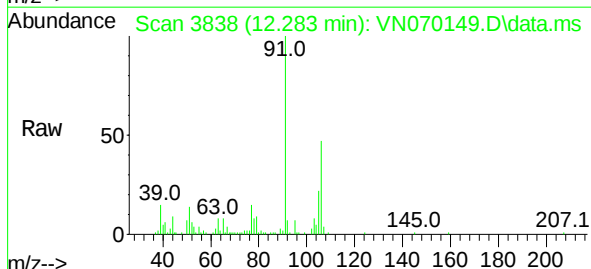
Manual Integrations
APPROVED

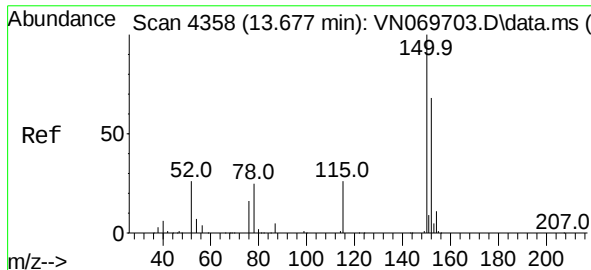
Reviewed By :Mahesh Dadoda 12/23/2021
Supervised By :Semsettin Yesilyurt 12/23/2021



o-Xylene
Concen: 1.232 ug/l
RT: 12.283 min Scan# 3838
Delta R.T. 0.000 min
Lab File: VN070149.D
Acq: 16 Dec 2021 20:05

Tgt Ion:106 Resp: 23120
Ion Ratio Lower Upper
106 100
91 222.8 105.8 317.3





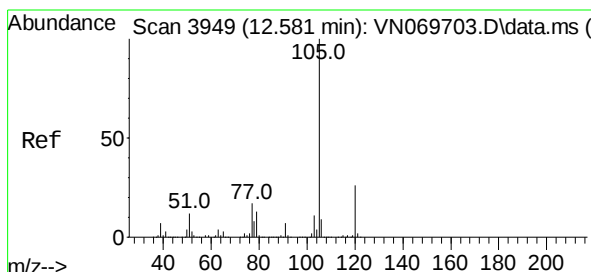
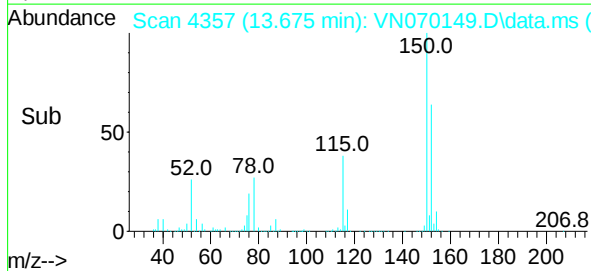
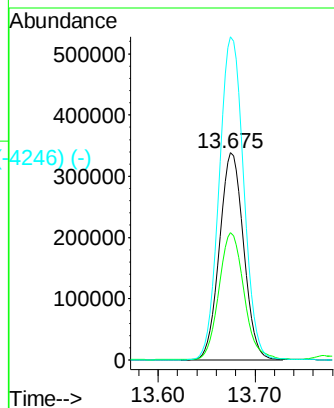
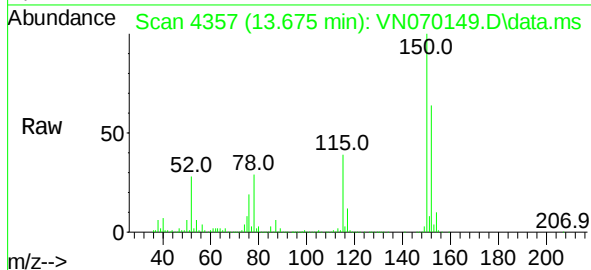
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.675 min Scan# 4358
Delta R.T. -0.003 min
Lab File: VN070149.D
Acq: 16 Dec 2021 20:05

Instrument :
MSVOA_N
Client SampleId :
MW-16

Tgt Ion:152 Resp: 58040
Ion Ratio Lower Upper
152 100
115 63.3 27.5 82.5
150 158.8 0.0 344.4

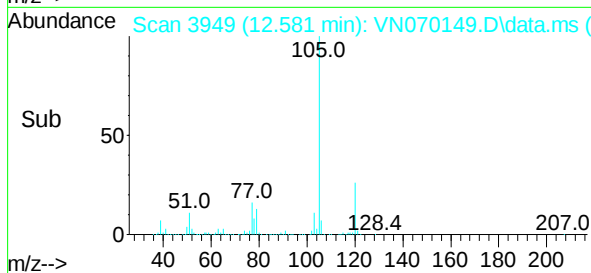
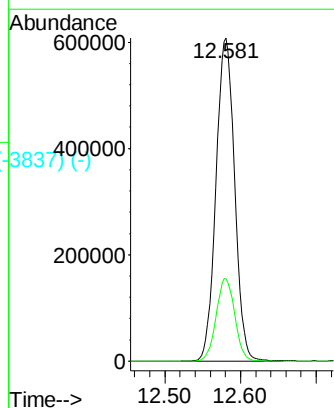
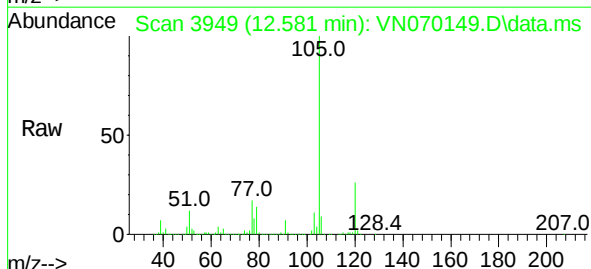
Manual Integrations
APPROVED

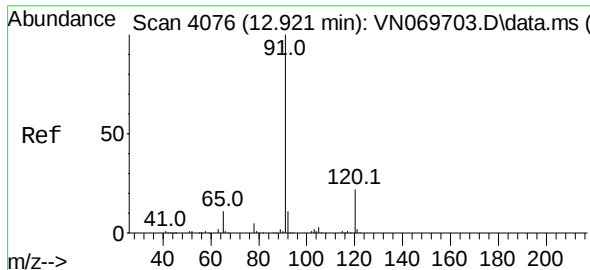
Reviewed By :Mahesh Dadoda 12/23/2021
Supervised By :Semsettin Yesilyurt 12/23/2021



Isopropylbenzene
Concen: 20.076 ug/l
RT: 12.581 min Scan# 3949
Delta R.T. 0.000 min
Lab File: VN070149.D
Acq: 16 Dec 2021 20:05

Tgt Ion:105 Resp: 1036723
Ion Ratio Lower Upper
105 100
120 25.5 13.4 40.1





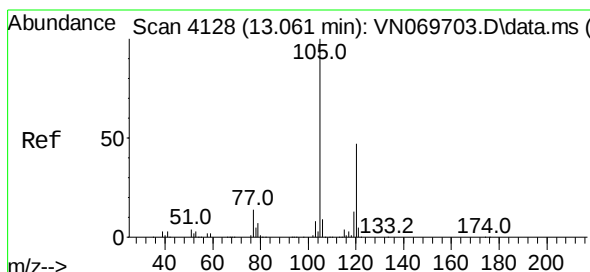
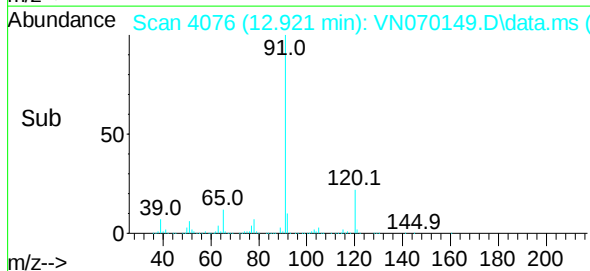
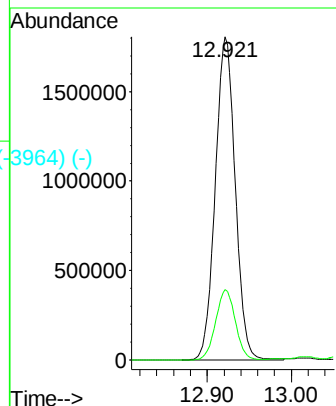
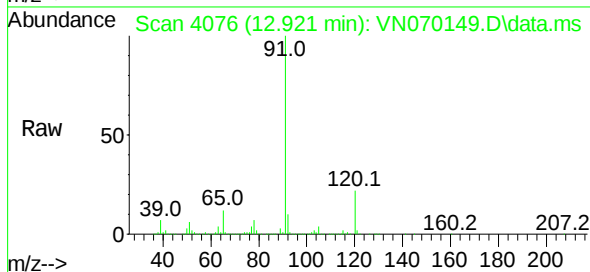
n-propylbenzene
Concen: 51.833 ug/l
RT: 12.921 min Scan# 4076
Delta R.T. 0.000 min
Lab File: VN070149.D
Acq: 16 Dec 2021 20:05

Instrument :
MSVOA_N
Client SampleId :
MW-16

Tgt Ion: 91 Resp: 297848
Ion Ratio Lower Upper
91 100
120 21.5 11.9 35.9

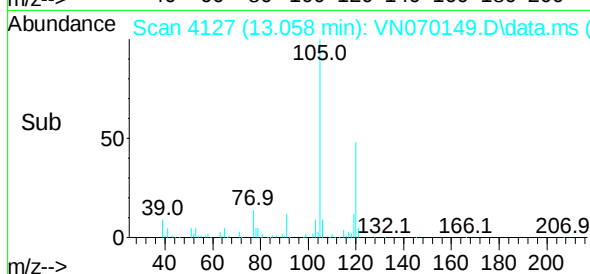
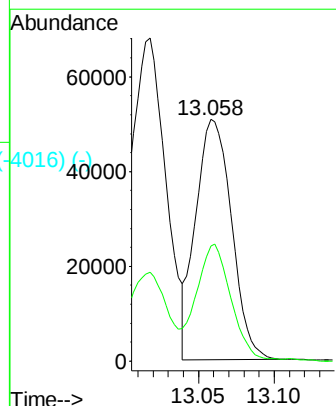
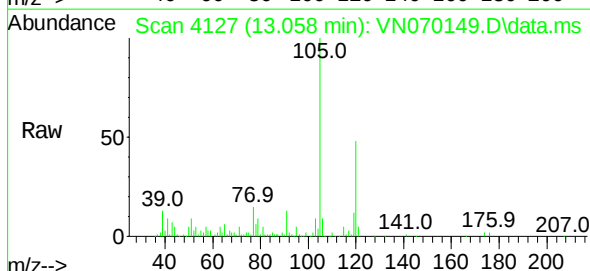
Manual Integrations
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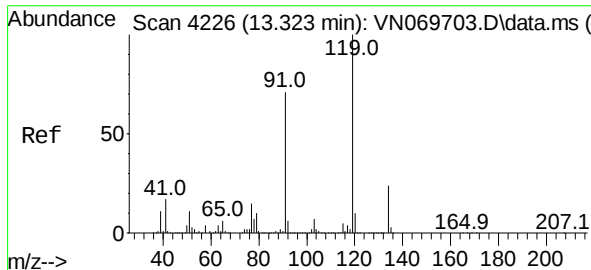
Reviewed By :Mahesh Dadoda 12/23/2021
Supervised By :Semsettin Yesilyurt 12/23/2021



1,3,5-Trimethylbenzene
Concen: 2.016 ug/l
RT: 13.058 min Scan# 4127
Delta R.T. -0.003 min
Lab File: VN070149.D
Acq: 16 Dec 2021 20:05

Tgt Ion:105 Resp: 83798
Ion Ratio Lower Upper
105 100
120 44.8 24.6 73.6





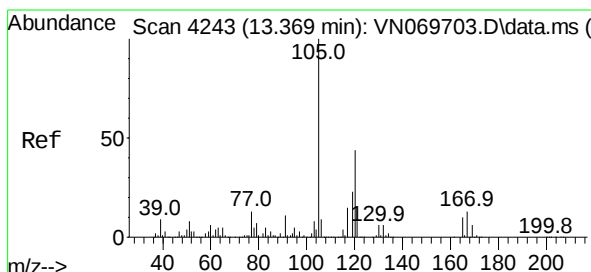
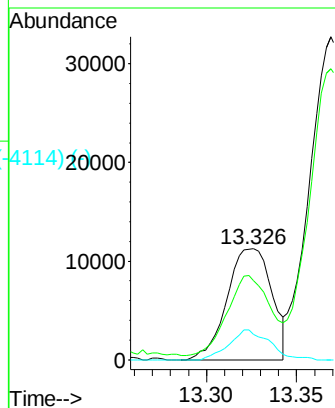
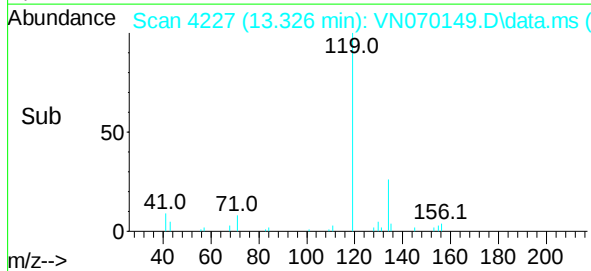
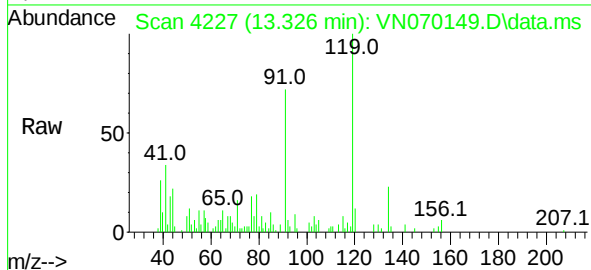
Scan 4226 (13.323 min): VN069703.D\data.ms (-4263)
 tert-Butylbenzene
 Concen: 0.530 ug/l
 RT: 13.326 min Scan# 4226
 Delta R.T. 0.003 min
 Lab File: VN070149.D
 Acq: 16 Dec 2021 20:05

Instrument : MSVOA_N
 Client Sample Id : MW-16

Tgt Ion:	119	Resp:	195
Ion	Ratio	Lower	Upper
119	100		
91	68.5	31.5	94.5
134	24.6	12.4	37.4

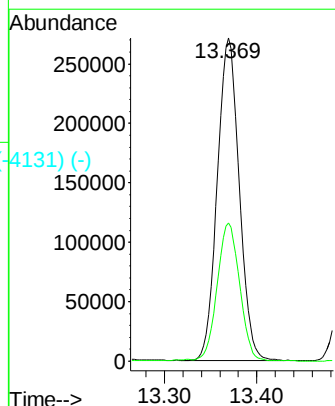
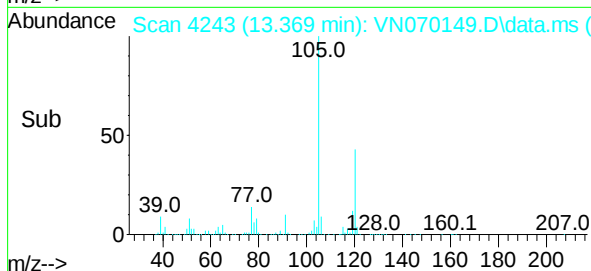
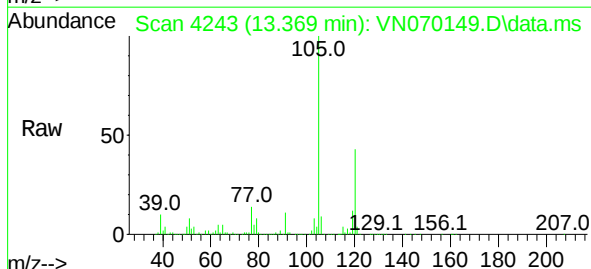
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 Supervised By :Semsettin Yesilyurt 12/23/2021

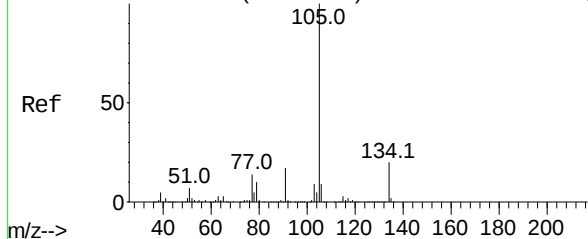


Scan 4243 (13.369 min): VN069703.D\data.ms (-4284)
 1,2,4-Trimethylbenzene
 Concen: 11.345 ug/l
 RT: 13.369 min Scan# 4243
 Delta R.T. 0.000 min
 Lab File: VN070149.D
 Acq: 16 Dec 2021 20:05

Tgt Ion:	105	Resp:	449073
Ion	Ratio	Lower	Upper
105	100		
120	44.0	22.8	68.4



Abundance Scan 4293 (13.503 min): VN069703.D\data.ms (-4785) (-)



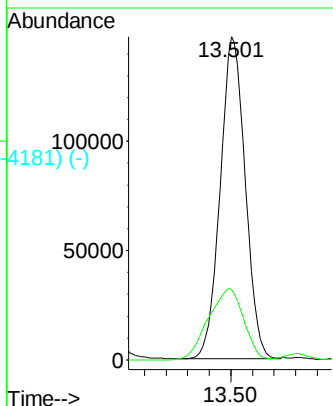
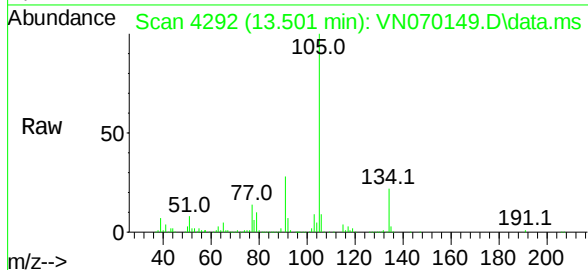
sec-Butylbenzene
Concen: 4.743 ug/l
RT: 13.501 min Scan# 4293
Delta R.T. -0.003 min
Lab File: VN070149.D
Acq: 16 Dec 2021 20:05

Instrument :
MSVOA_N
Client SampleId :
MW-16

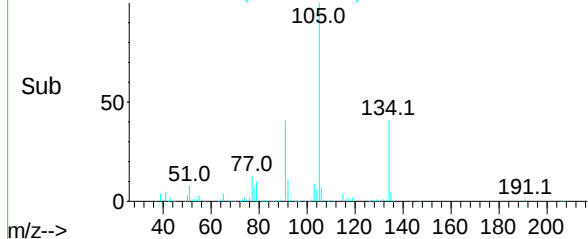
Tgt Ion:105 Resp: 23678
Ion Ratio Lower Upper
105 100
134 31.3 10.4 31.3

Manual Integrations
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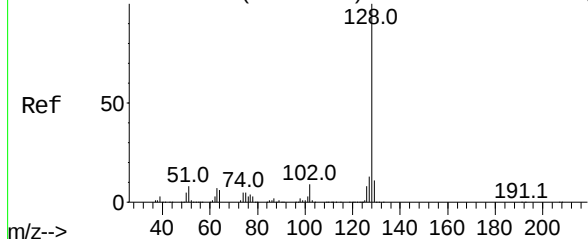
Reviewed By :Mahesh Dadoda 12/23/2021
Supervised By :Semsettin Yesilyurt 12/23/2021



Abundance Scan 4292 (13.501 min): VN070149.D\data.ms (-4181) (-)

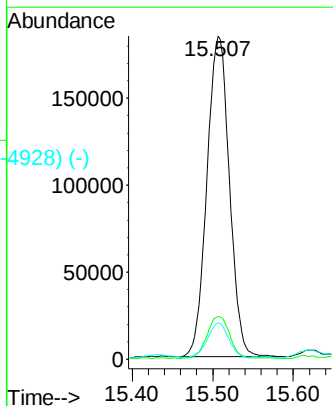
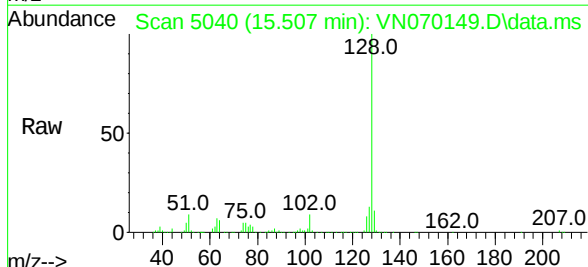


Abundance Scan 5040 (15.507 min): VN069703.D\data.ms (-5095) (-)



Naphthalene
Concen: 15.591 ug/l
RT: 15.507 min Scan# 5040
Delta R.T. -0.000 min
Lab File: VN070149.D
Acq: 16 Dec 2021 20:05

Tgt Ion:128 Resp: 357695
Ion Ratio Lower Upper
128 100
127 13.0 10.5 15.7
129 10.0 8.7 13.1



Abundance Scan 5040 (15.507 min): VN070149.D\data.ms (-4928) (-)

