

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112921\
 Data File : VN069674.D
 Acq On : 29 Nov 2021 19:34
 Operator : JC/MD
 Sample : M4852-01RE
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-1RE

Manual Integrations
 APPROVED

Reviewed By : John Carlone 11/30/2021
 Supervised By : Mahesh Dadoda 12/01/2021

Quant Time: Nov 30 04:19:44 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N110921W.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 09 18:18:22 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.086	168	1646621	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	2768179	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	2906295	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	1433443	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	1131892	47.409	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	94.820%		
35) Dibromofluoromethane	8.024	113	809448	48.755	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	97.500%		
50) Toluene-d8	10.441	98	3749355	57.420	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	114.840%		
62) 4-Bromofluorobenzene	12.731	95	1483584	61.848	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	123.700%		
Target Compounds					Qvalue	
16) Acetone	4.299	43	63291	4.913	ug/l	93
25) 2-Butanone	7.348	43	33844	1.940	ug/l #	76
31) Cyclohexane	8.096	56	3981111	122.053	ug/l	90
39) Methylcyclohexane	9.459	83	7909964	272.989	ug/l	90
40) Benzene	8.461	78	188935	2.628	ug/l	94
67) Ethyl Benzene	11.843	91	2291896	22.972	ug/l	96
68) m/p-Xylenes	11.956	106	2214250	60.343	ug/l	93
69) o-Xylene	12.280	106	91290	2.496	ug/l	86
73) Isopropylbenzene	12.578	105	6018902	52.736	ug/l	99
78) n-propylbenzene	12.919	91	7639611	59.487	ug/l	96
80) 1,3,5-Trimethylbenzene	13.055	105	14410624	156.185	ug/l	100
83) tert-Butylbenzene	13.324	119	1000822	12.378	ug/l	91
84) 1,2,4-Trimethylbenzene	13.353	105	22214240m	249.392	ug/l	
85) sec-Butylbenzene	13.501	105	2184692	19.343	ug/l	78
86) p-Isopropyltoluene	13.613	119	710551	7.925	ug/l	96
89) n-Butylbenzene	13.940	91	866167	11.584	ug/l #	68
95) Naphthalene	15.504	128	4796827	73.123	ug/l	100

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

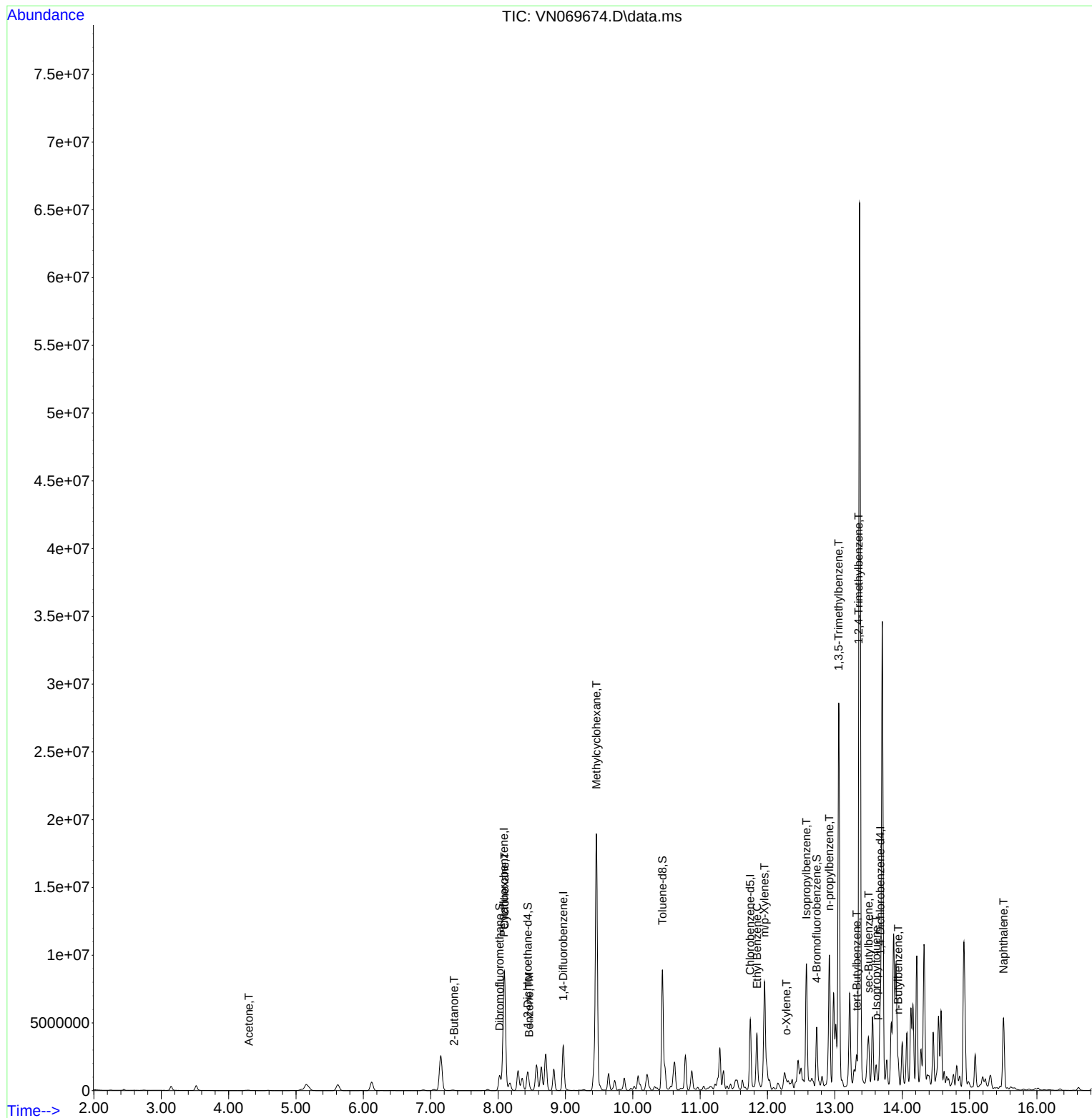
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112921\
Data File : VN069674.D
Acq On : 29 Nov 2021 19:34
Operator : JC/MD
Sample : M4852-01RE
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 18 Sample Multiplier: 1

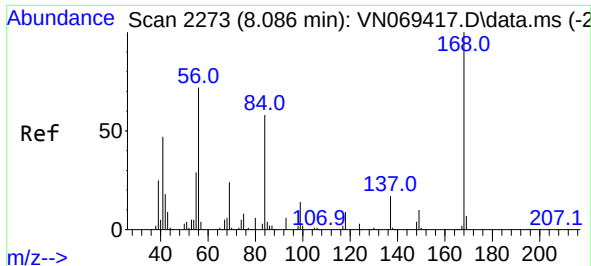
Instrument :
MSVOA_N
ClientSampleId :
MW-1RE

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/30/2021
Supervised By :Mahesh Dadoda 12/01/2021

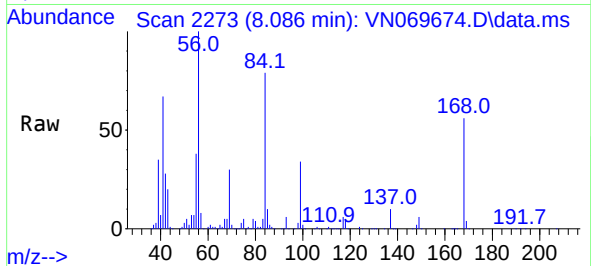
Quant Time: Nov 30 04:19:44 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N110921W.M
Quant Title : SW846 8260
QLast Update : Tue Nov 09 18:18:22 2021
Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN069674.D
Acq: 29 Nov 2021 19:34

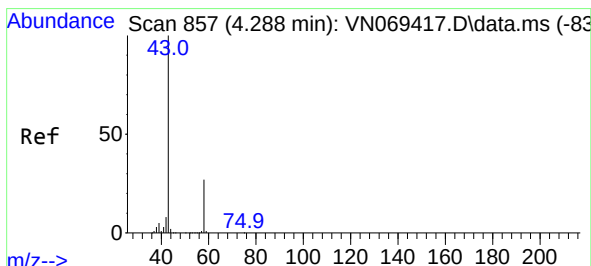
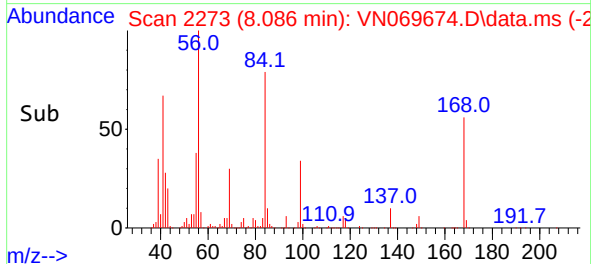
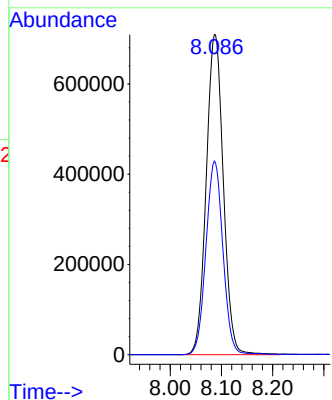
Instrument :
MSVOA_N
ClientSampleId :
MW-1RE



Tgt Ion:168 Resp: 164662
Ion Ratio Lower Upper
168 100
99 60.5 41.3 61.9

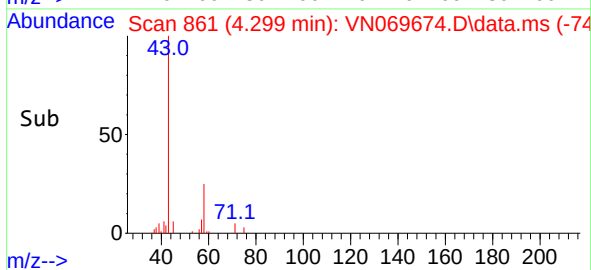
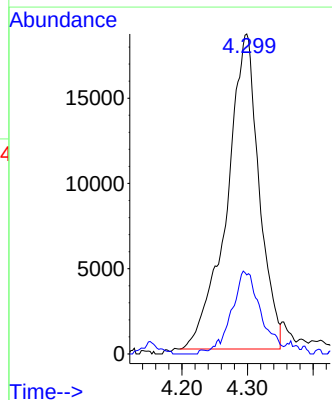
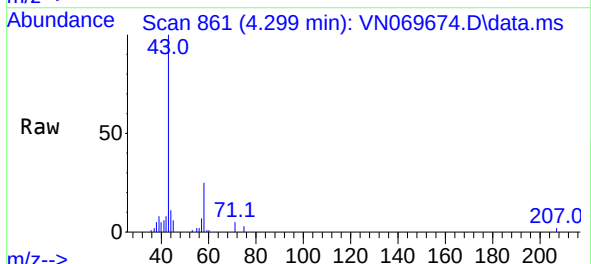
Manual Integrations
APPROVED

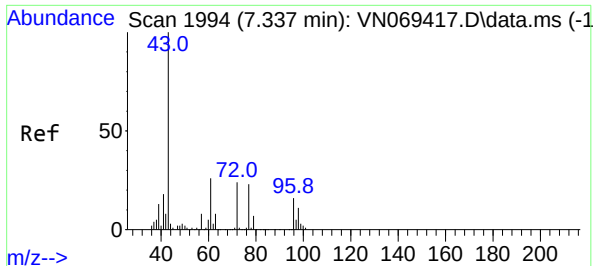
Reviewed By :John Carlone 11/30/2021
Supervised By :Mahesh Dadoda 12/01/2021



#16
Acetone
Concen: 4.913 ug/l
RT: 4.299 min Scan# 861
Delta R.T. 0.011 min
Lab File: VN069674.D
Acq: 29 Nov 2021 19:34

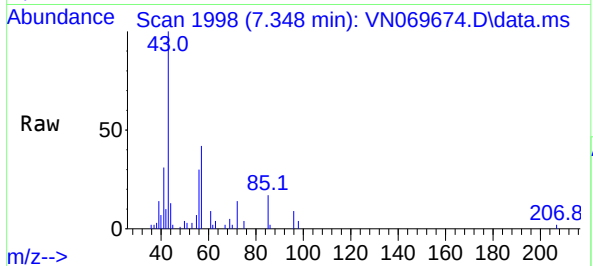
Tgt Ion: 43 Resp: 63291
Ion Ratio Lower Upper
43 100
58 25.1 23.1 34.7





#25
2-Butanone
Concen: 1.940 ug/l
RT: 7.348 min Scan# 1994
Delta R.T. 0.011 min
Lab File: VN069674.D
Acq: 29 Nov 2021 19:34

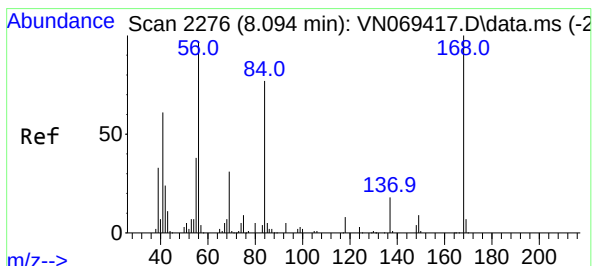
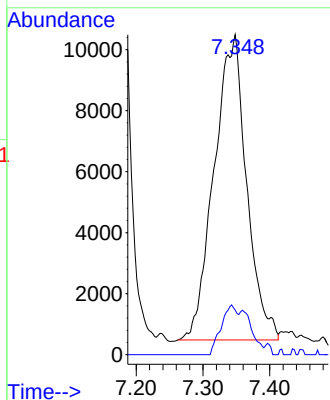
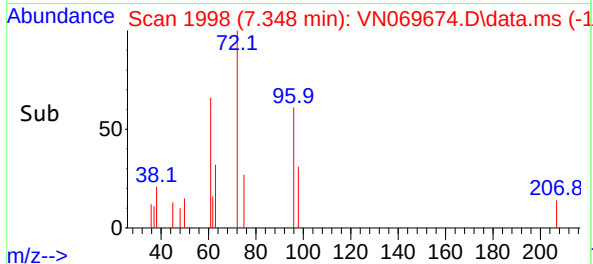
Instrument :
MSVOA_N
ClientSampleId :
MW-1RE



Tgt Ion: 43 Resp: 3384
Ion Ratio Lower Upper
43 100
72 14.6 21.7 32.5

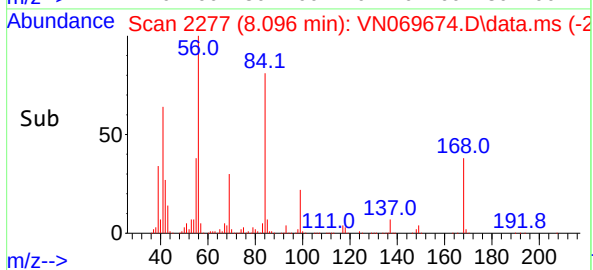
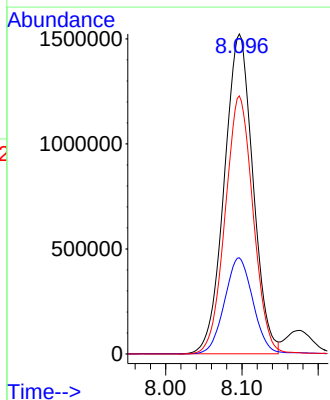
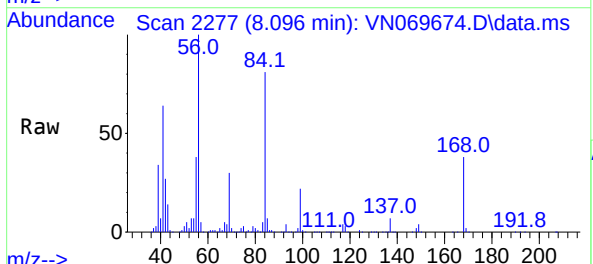
Manual Integrations
APPROVED

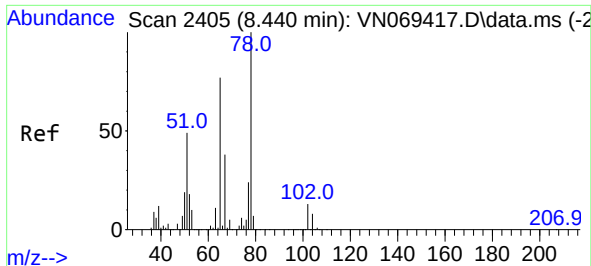
Reviewed By :John Carlone 11/30/2021
Supervised By :Mahesh Dadoda 12/01/2021



#31
Cyclohexane
Concen: 122.053 ug/l
RT: 8.096 min Scan# 2277
Delta R.T. 0.002 min
Lab File: VN069674.D
Acq: 29 Nov 2021 19:34

Tgt Ion: 56 Resp: 3981111
Ion Ratio Lower Upper
56 100
69 30.0 27.1 40.7
84 80.7 73.4 110.0





#33

1,2-Dichloroethane-d4

Concen: 47.409 ug/l

RT: 8.440 min Scan# 2405

Delta R.T. -0.000 min

Lab File: VN069674.D

Acq: 29 Nov 2021 19:34

Instrument :

MSVOA_N

ClientSampleId :

MW-1RE

Tgt Ion: 65 Resp: 113189

Ion Ratio Lower Upper

65 100

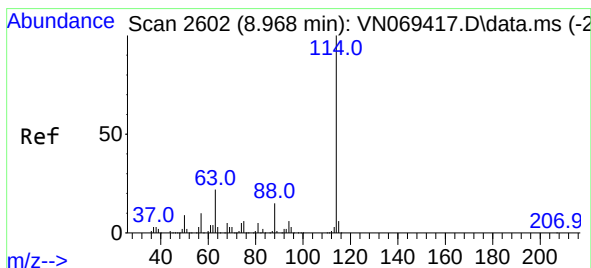
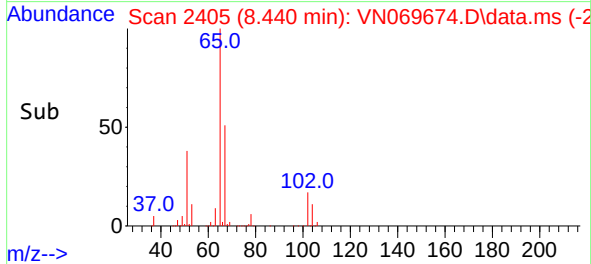
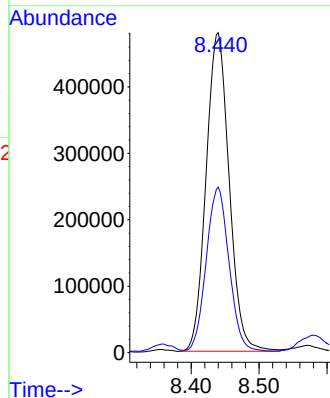
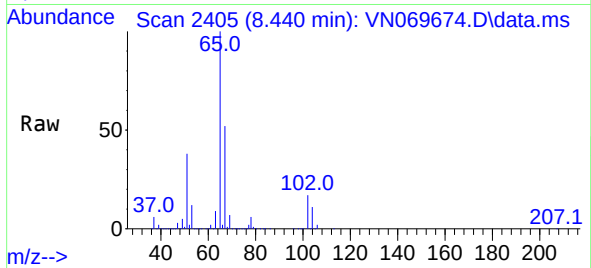
67 50.5 0.0 103.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/30/2021

Supervised By :Mahesh Dadoda 12/01/2021



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.968 min Scan# 2602

Delta R.T. 0.000 min

Lab File: VN069674.D

Acq: 29 Nov 2021 19:34

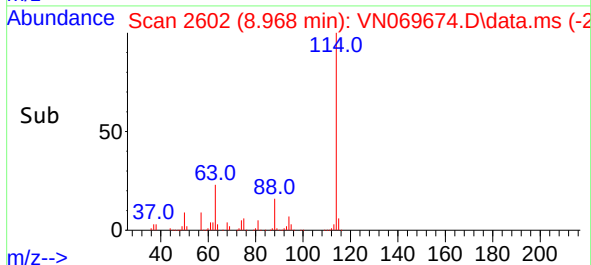
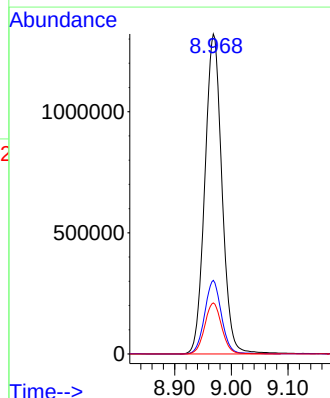
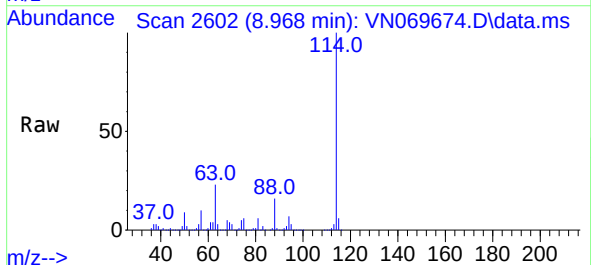
Tgt Ion:114 Resp: 2768179

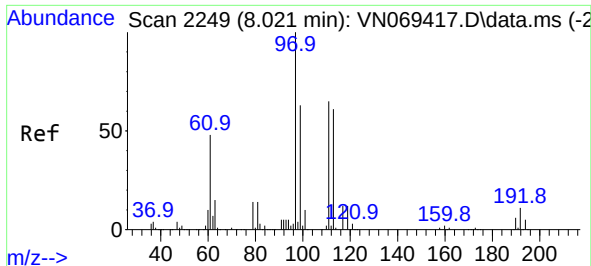
Ion Ratio Lower Upper

114 100

63 23.0 0.0 37.8

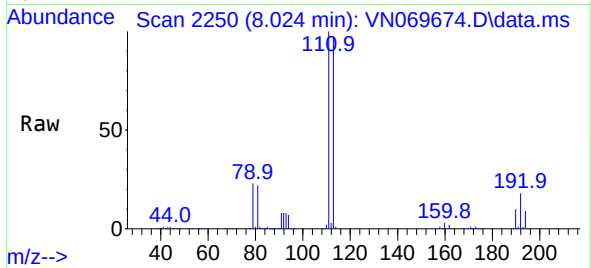
88 15.9 0.0 27.4





#35
Dibromofluoromethane
Concen: 48.755 ug/l
RT: 8.024 min Scan# 2113
Delta R.T. 0.003 min
Lab File: VN069674.D
Acq: 29 Nov 2021 19:34

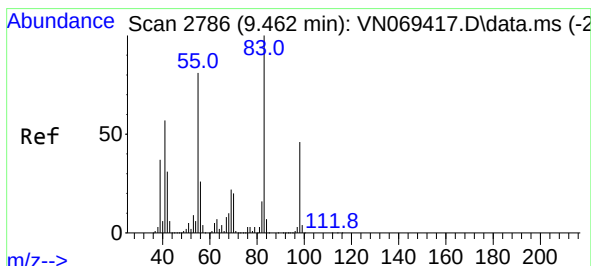
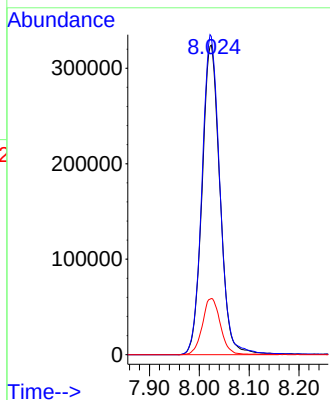
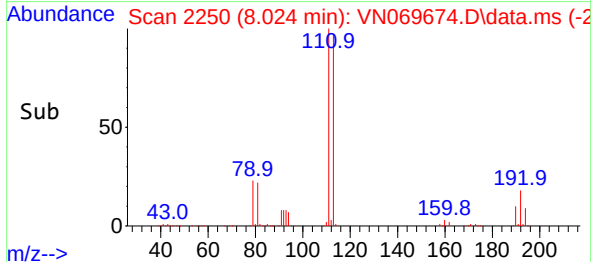
Instrument :
MSVOA_N
ClientSampleId :
MW-1RE



Tgt Ion: 113 Resp: 809448
Ion Ratio Lower Upper
113 100
111 103.0 82.2 123.2
192 18.2 16.9 25.3

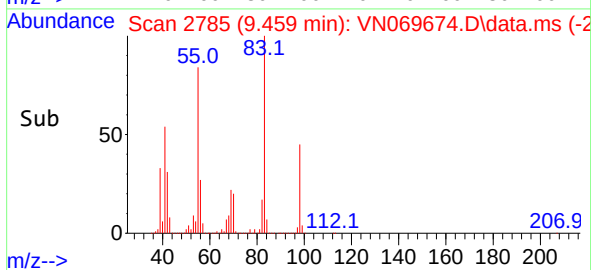
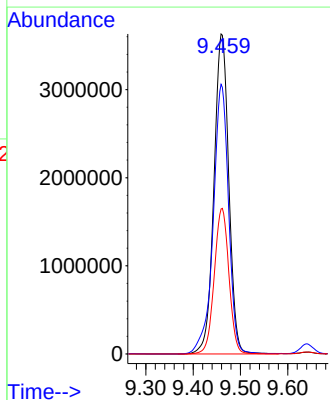
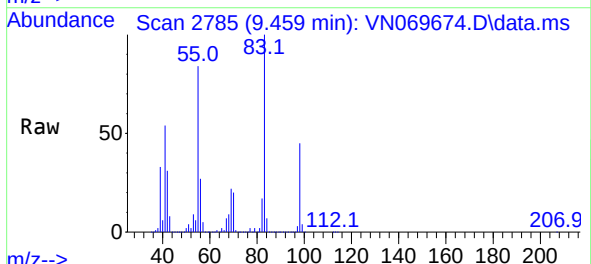
Manual Integrations
APPROVED

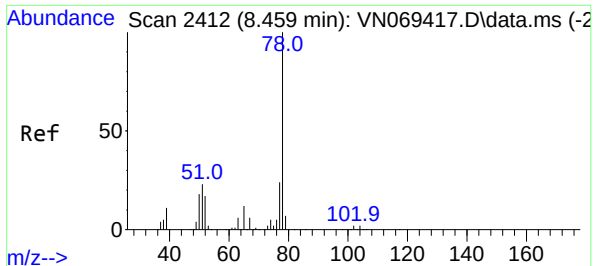
Reviewed By :John Carlone 11/30/2021
Supervised By :Mahesh Dadoda 12/01/2021



#39
Methylcyclohexane
Concen: 272.989 ug/l
RT: 9.459 min Scan# 2785
Delta R.T. -0.003 min
Lab File: VN069674.D
Acq: 29 Nov 2021 19:34

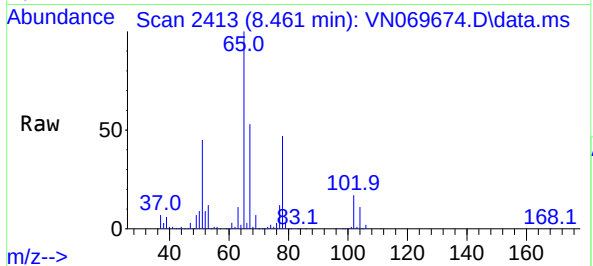
Tgt Ion: 83 Resp: 7909964
Ion Ratio Lower Upper
83 100
55 84.2 58.1 87.1
98 45.3 38.4 57.6





#40
Benzene
Concen: 2.628 ug/l
RT: 8.461 min Scan# 2412
Delta R.T. 0.002 min
Lab File: VN069674.D
Acq: 29 Nov 2021 19:34

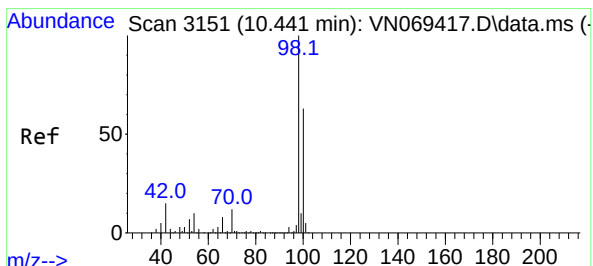
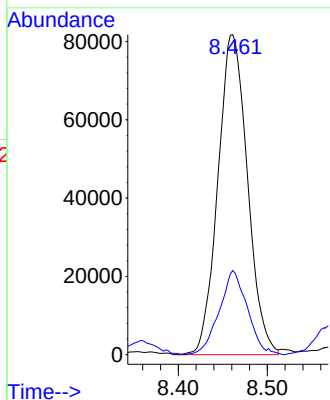
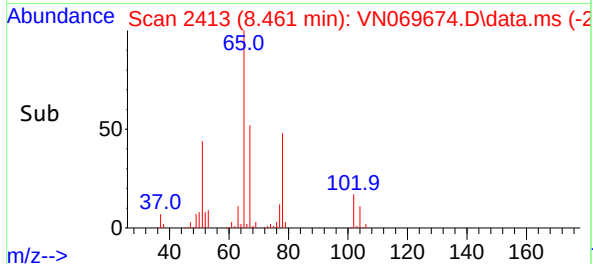
Instrument :
MSVOA_N
ClientSampleId :
MW-1RE



Tgt Ion: 78 Resp: 188935
Ion Ratio Lower Upper
78 100
77 26.0 18.6 27.8

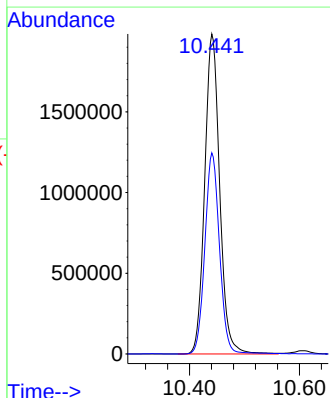
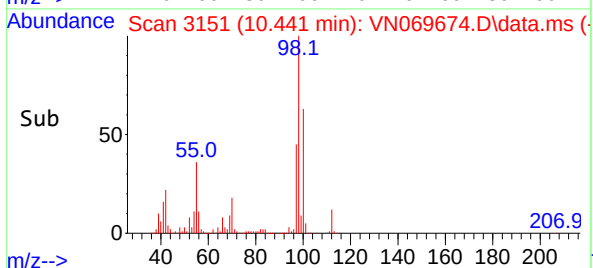
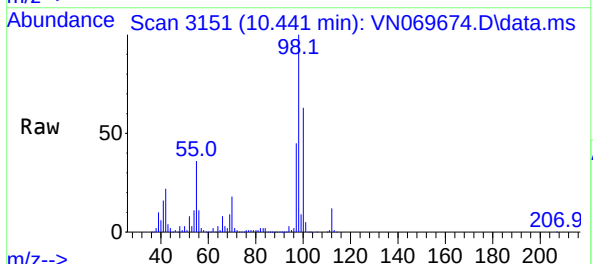
Manual Integrations
APPROVED

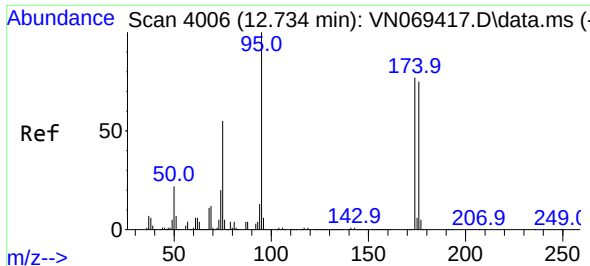
Reviewed By :John Carlone 11/30/2021
Supervised By :Mahesh Dadoda 12/01/2021



#50
Toluene-d8
Concen: 57.420 ug/l
RT: 10.441 min Scan# 3151
Delta R.T. -0.000 min
Lab File: VN069674.D
Acq: 29 Nov 2021 19:34

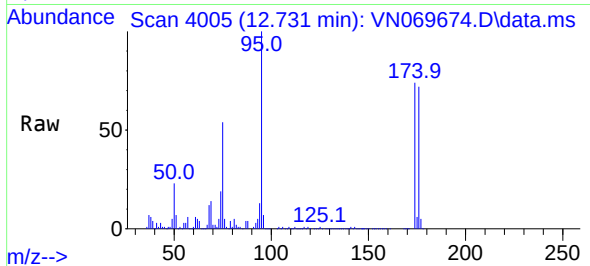
Tgt Ion: 98 Resp: 3749355
Ion Ratio Lower Upper
98 100
100 61.2 50.4 75.6





#62
4-Bromofluorobenzene
Concen: 61.848 ug/l
RT: 12.731 min Scan# 4006
Delta R.T. -0.003 min
Lab File: VN069674.D
Acq: 29 Nov 2021 19:34

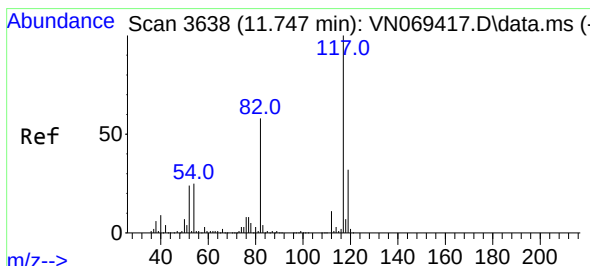
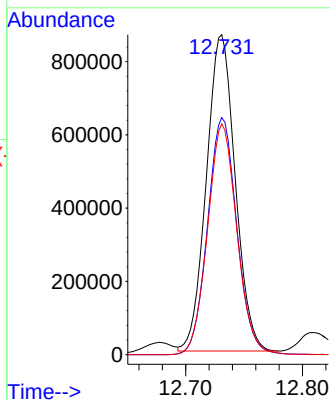
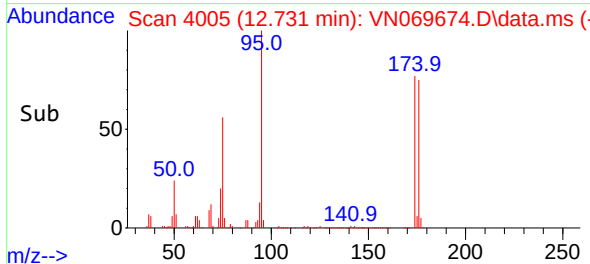
Instrument :
MSVOA_N
ClientSampleId :
MW-1RE



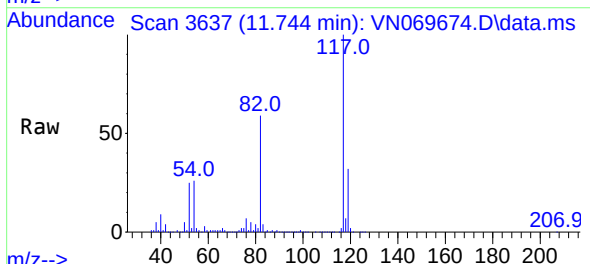
Tgt Ion: 95 Resp: 1483584
Ion Ratio Lower Upper
95 100
174 76.3 0.0 187.2
176 74.0 0.0 181.4

Manual Integrations
APPROVED

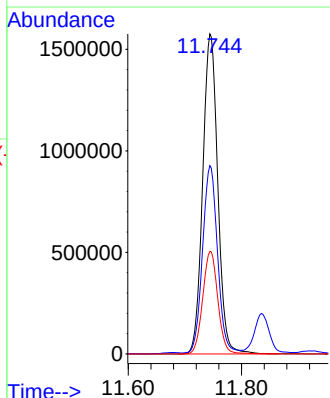
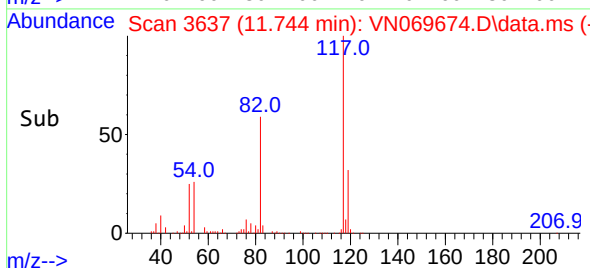
Reviewed By :John Carlone 11/30/2021
Supervised By :Mahesh Dadoda 12/01/2021

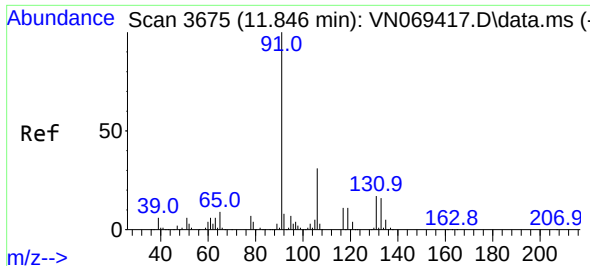


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.744 min Scan# 3637
Delta R.T. -0.003 min
Lab File: VN069674.D
Acq: 29 Nov 2021 19:34



Tgt Ion:117 Resp: 2906295
Ion Ratio Lower Upper
117 100
82 58.5 42.4 63.6
119 32.1 25.4 38.2





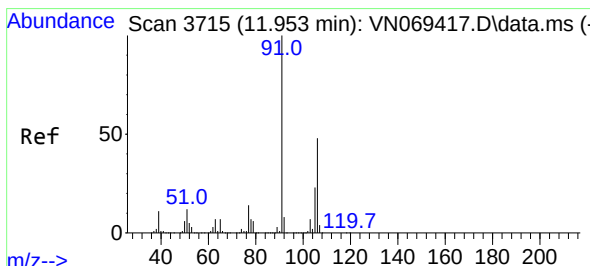
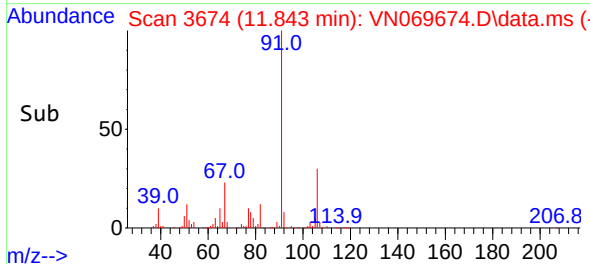
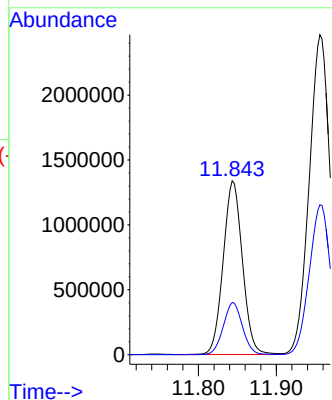
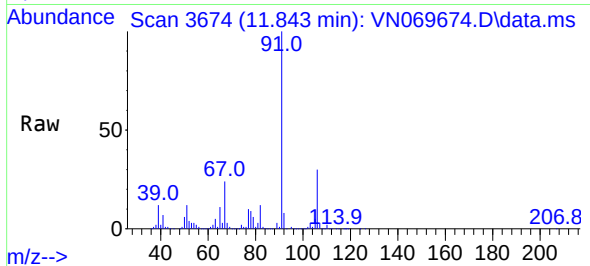
#67
Ethyl Benzene
Concen: 22.972 ug/l
RT: 11.843 min Scan# 30
Delta R.T. -0.003 min
Lab File: VN069674.D
Acq: 29 Nov 2021 19:34

Instrument :
MSVOA_N
ClientSampleId :
MW-1RE

Tgt Ion: 91 Resp: 2291890
Ion Ratio Lower Upper
91 100
106 30.0 25.7 38.5

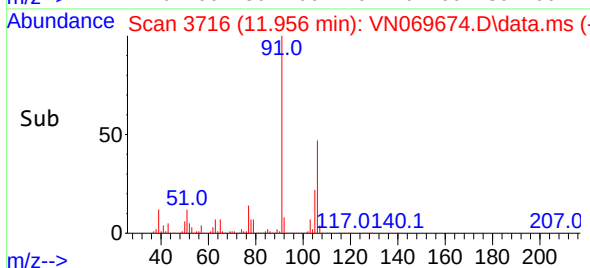
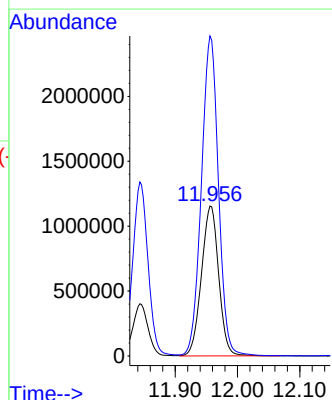
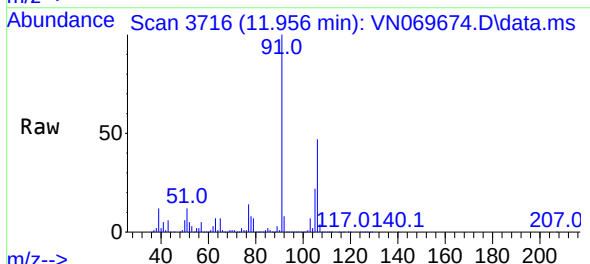
Manual Integrations
APPROVED

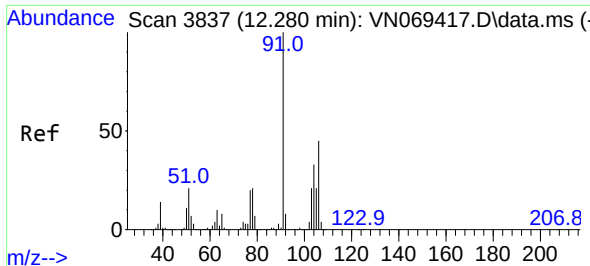
Reviewed By :John Carlone 11/30/2021
Supervised By :Mahesh Dadoda 12/01/2021



#68
m/p-Xylenes
Concen: 60.343 ug/l
RT: 11.956 min Scan# 3716
Delta R.T. 0.003 min
Lab File: VN069674.D
Acq: 29 Nov 2021 19:34

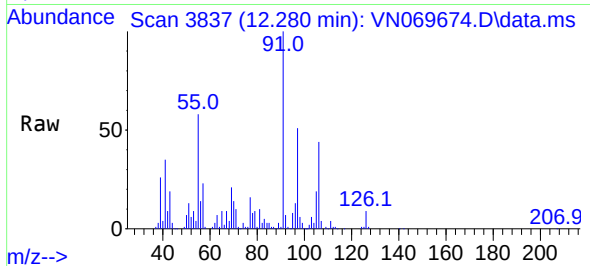
Tgt Ion:106 Resp: 2214250
Ion Ratio Lower Upper
106 100
91 211.1 160.6 240.8





#69
o-Xylene
Concen: 2.496 ug/l
RT: 12.280 min Scan# 3837
Delta R.T. 0.000 min
Lab File: VN069674.D
Acq: 29 Nov 2021 19:34

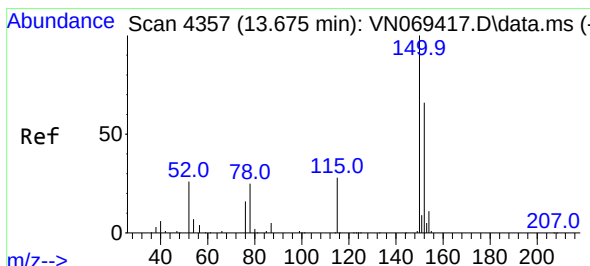
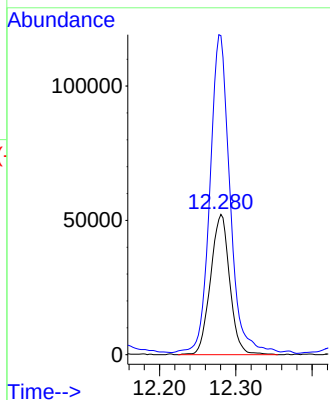
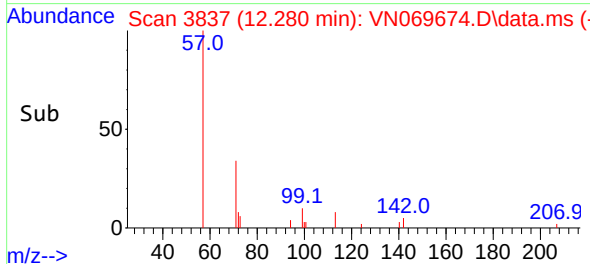
Instrument :
MSVOA_N
ClientSampleId :
MW-1RE



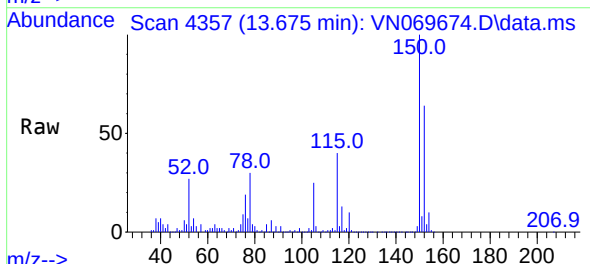
Tgt Ion:106 Resp: 91290
Ion Ratio Lower Upper
106 100
91 234.0 105.8 317.3

Manual Integrations
APPROVED

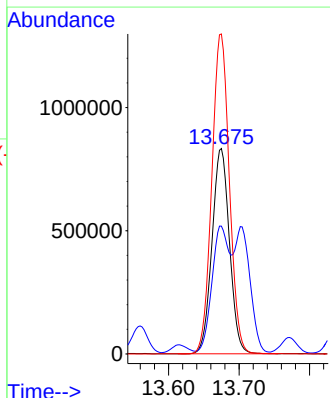
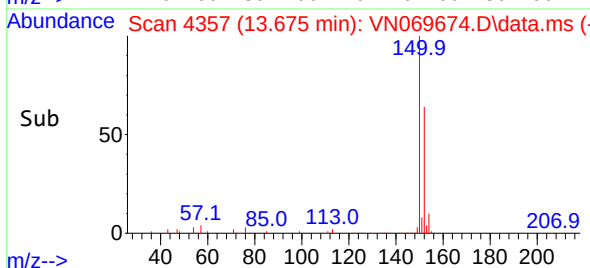
Reviewed By :John Carlone 11/30/2021
Supervised By :Mahesh Dadoda 12/01/2021

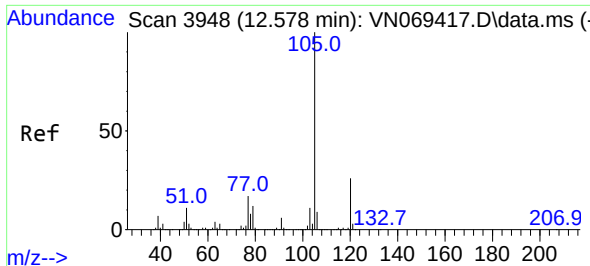


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.675 min Scan# 4357
Delta R.T. -0.000 min
Lab File: VN069674.D
Acq: 29 Nov 2021 19:34



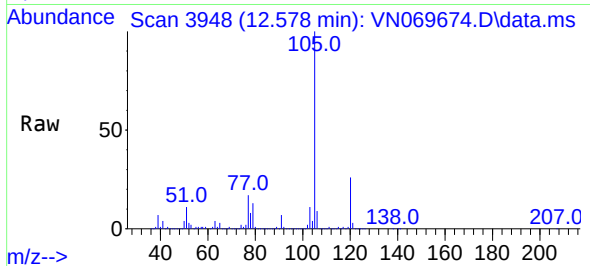
Tgt Ion:152 Resp: 1433443
Ion Ratio Lower Upper
152 100
115 59.6 27.5 82.5
150 156.7 0.0 344.4





#73
Isopropylbenzene
Concen: 52.736 ug/l
RT: 12.578 min Scan# 3948
Delta R.T. 0.000 min
Lab File: VN069674.D
Acq: 29 Nov 2021 19:34

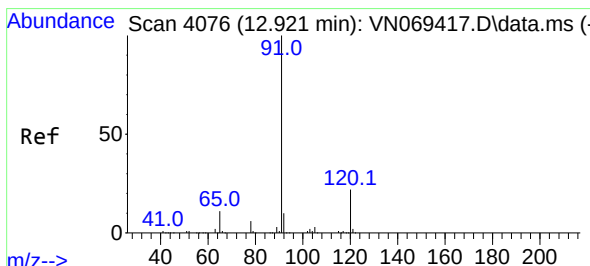
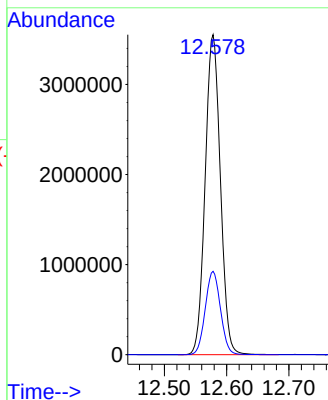
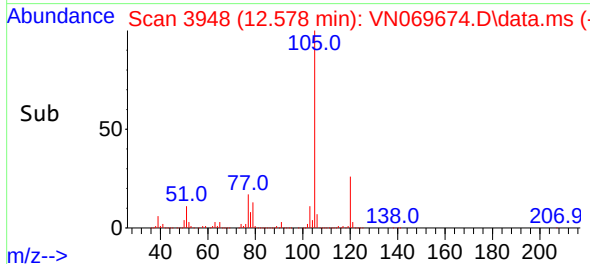
Instrument :
MSVOA_N
ClientSampleId :
MW-1RE



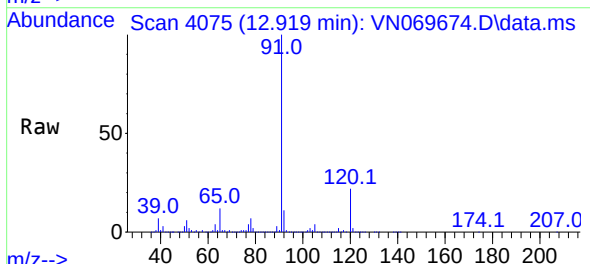
Tgt Ion:105 Resp: 601890
Ion Ratio Lower Upper
105 100
120 26.1 13.4 40.1

Manual Integrations
APPROVED

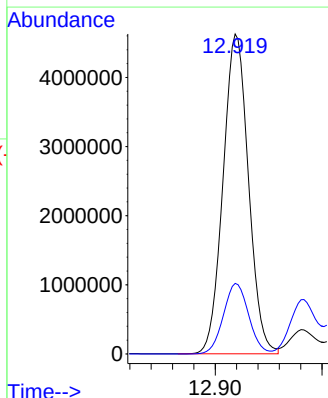
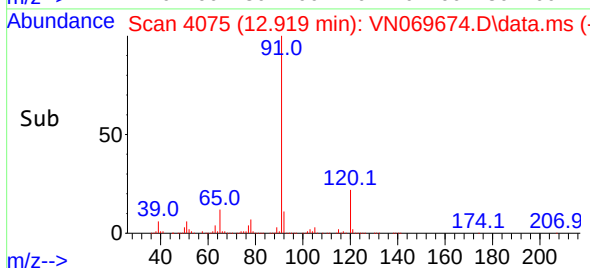
Reviewed By :John Carlone 11/30/2021
Supervised By :Mahesh Dadoda 12/01/2021

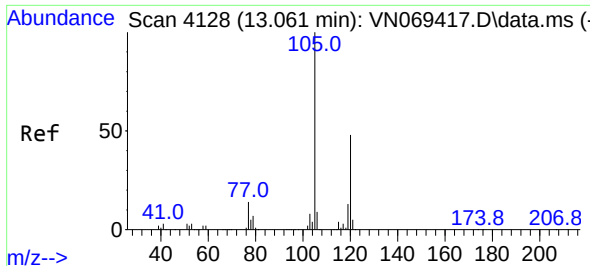


#78
n-propylbenzene
Concen: 59.487 ug/l
RT: 12.919 min Scan# 4075
Delta R.T. -0.002 min
Lab File: VN069674.D
Acq: 29 Nov 2021 19:34



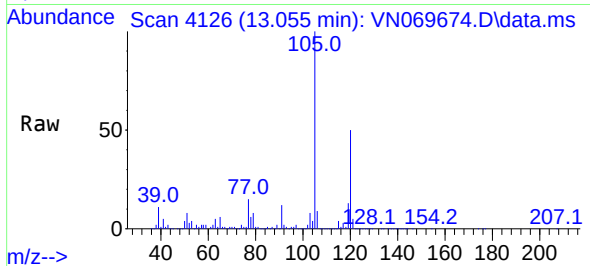
Tgt Ion: 91 Resp: 7639611
Ion Ratio Lower Upper
91 100
120 21.9 11.9 35.9





#80
1,3,5-Trimethylbenzene
Concen: 156.185 ug/l
RT: 13.055 min Scan# 4128
Delta R.T. -0.006 min
Lab File: VN069674.D
Acq: 29 Nov 2021 19:34

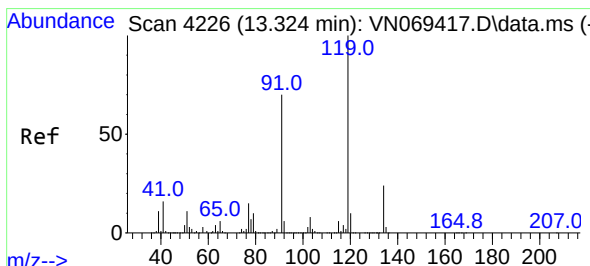
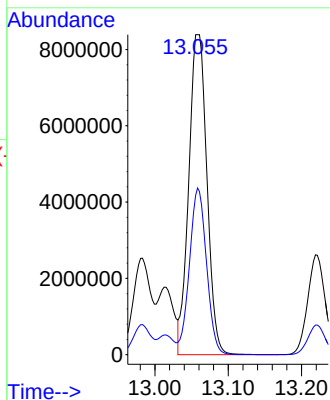
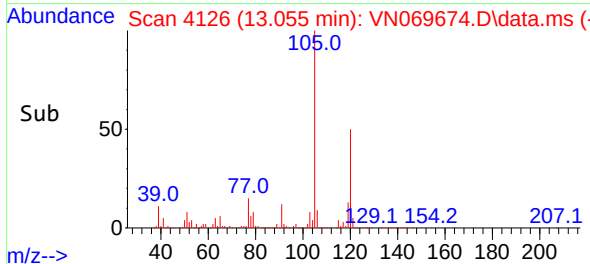
Instrument :
MSVOA_N
ClientSampleId :
MW-1RE



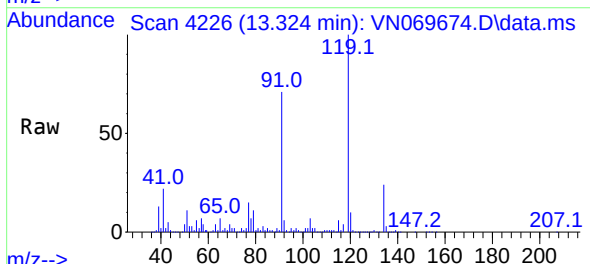
Tgt Ion:105 Resp:14410624
Ion Ratio Lower Upper
105 100
120 49.3 24.6 73.6

Manual Integrations
APPROVED

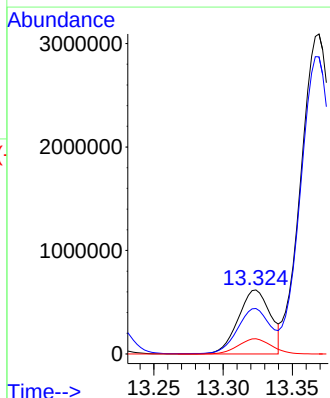
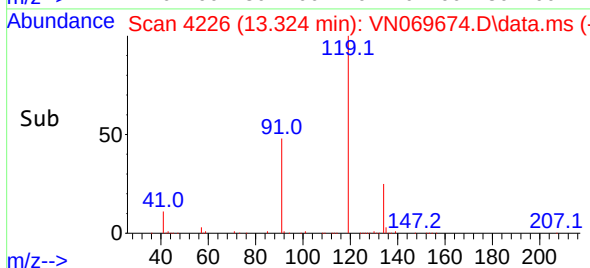
Reviewed By :John Carlone 11/30/2021
Supervised By :Mahesh Dadoda 12/01/2021

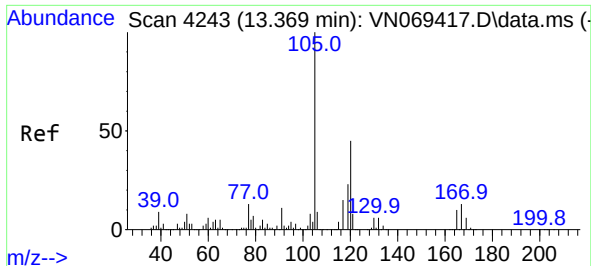


#83
tert-Butylbenzene
Concen: 12.378 ug/l
RT: 13.324 min Scan# 4226
Delta R.T. -0.000 min
Lab File: VN069674.D
Acq: 29 Nov 2021 19:34



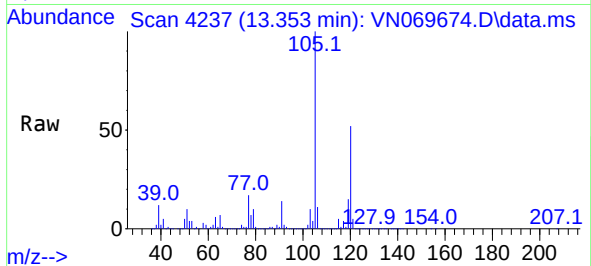
Tgt Ion:119 Resp: 1000822
Ion Ratio Lower Upper
119 100
91 72.2 31.5 94.5
134 24.4 12.4 37.4





#84
1,2,4-Trimethylbenzene
Concen: 249.392 ug/l m
RT: 13.353 min Scan# 4237
Delta R.T. -0.016 min
Lab File: VN069674.D
Acq: 29 Nov 2021 19:34

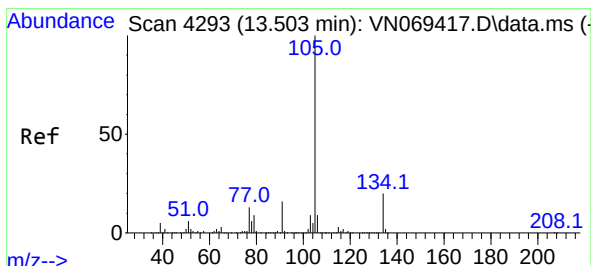
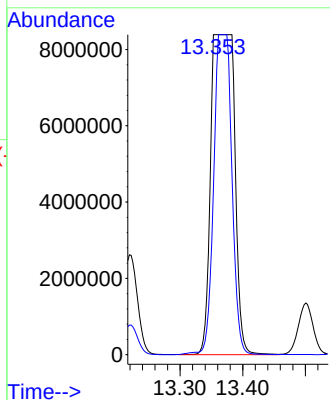
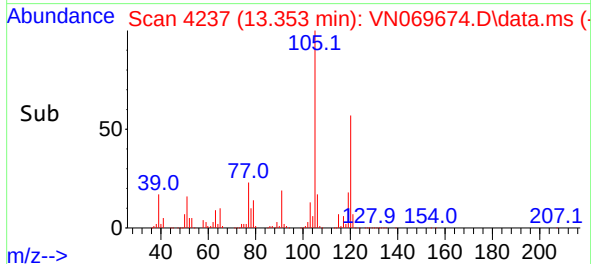
Instrument :
MSVOA_N
ClientSampleId :
MW-1RE



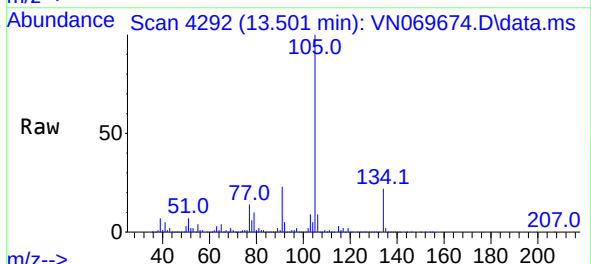
Tgt Ion:105 Resp:22214240
Ion Ratio Lower Upper
105 100
120 5.8 22.8 68.4

Manual Integrations
APPROVED

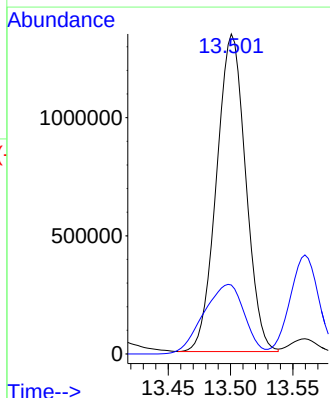
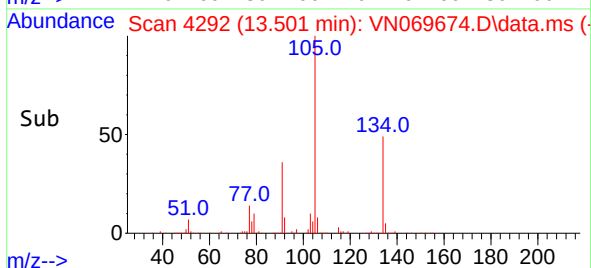
Reviewed By :John Carlone 11/30/2021
Supervised By :Mahesh Dadoda 12/01/2021

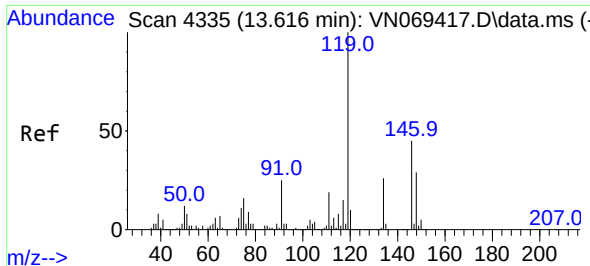


#85
sec-Butylbenzene
Concen: 19.343 ug/l
RT: 13.501 min Scan# 4292
Delta R.T. -0.002 min
Lab File: VN069674.D
Acq: 29 Nov 2021 19:34



Tgt Ion:105 Resp: 2184692
Ion Ratio Lower Upper
105 100
134 30.8 10.4 31.1





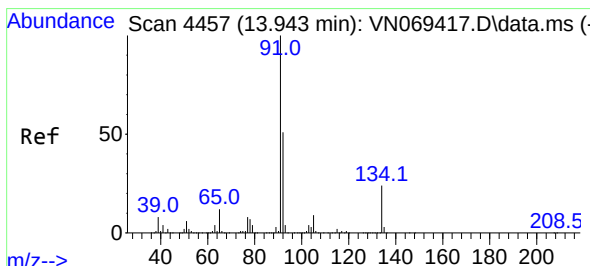
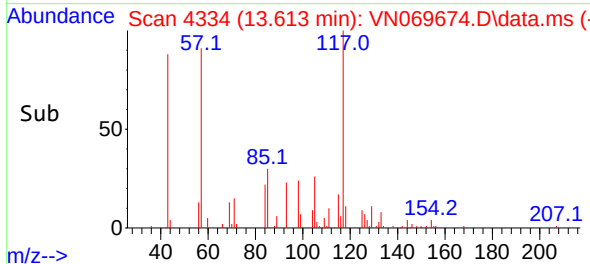
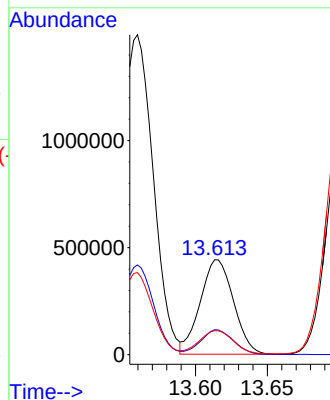
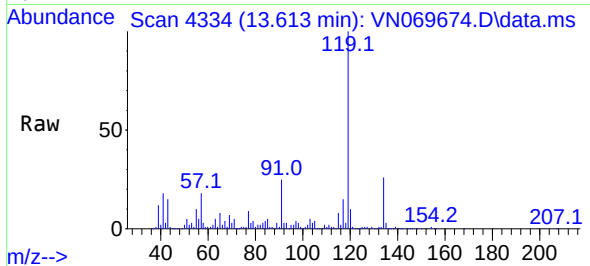
#86
p-Isopropyltoluene
Concen: 7.925 ug/l
RT: 13.613 min Scan# 4335
Delta R.T. -0.003 min
Lab File: VN069674.D
Acq: 29 Nov 2021 19:34

Instrument :
MSVOA_N
ClientSampleId :
MW-1RE

Tgt Ion:119 Resp: 71055
Ion Ratio Lower Upper
119 100
134 25.8 13.6 40.7
91 25.0 11.4 34.1

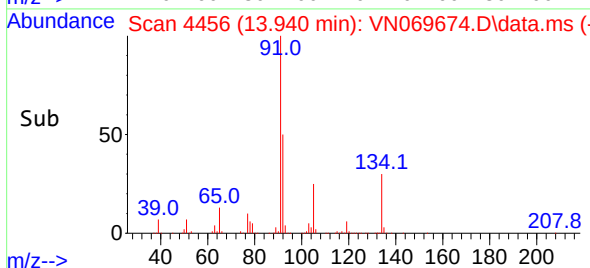
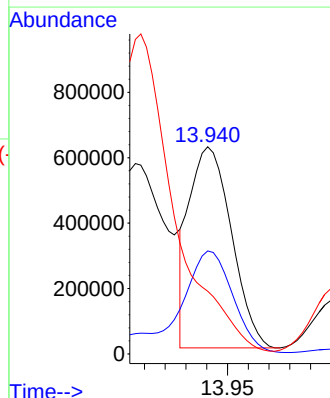
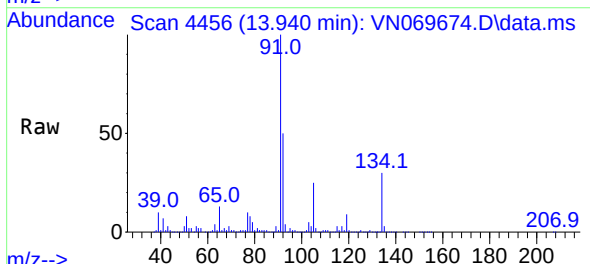
Manual Integrations
APPROVED

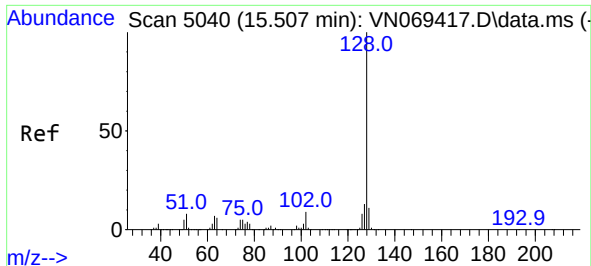
Reviewed By :John Carlone 11/30/2021
Supervised By :Mahesh Dadoda 12/01/2021



#89
n-Butylbenzene
Concen: 11.584 ug/l
RT: 13.940 min Scan# 4456
Delta R.T. -0.003 min
Lab File: VN069674.D
Acq: 29 Nov 2021 19:34

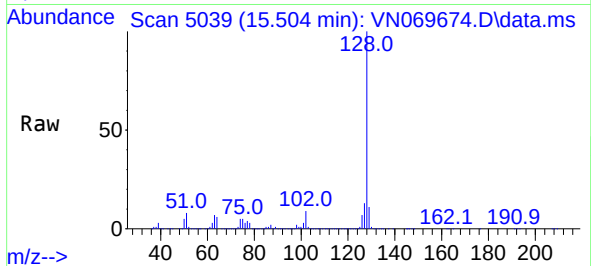
Tgt Ion: 91 Resp: 866167
Ion Ratio Lower Upper
91 100
92 65.8 25.4 76.0
134 0.0 13.6 40.8#





#95
Naphthalene
Concen: 73.123 ug/l
RT: 15.504 min Scan# 50
Delta R.T. -0.003 min
Lab File: VN069674.D
Acq: 29 Nov 2021 19:34

Instrument :
MSVOA_N
ClientSampleId :
MW-1RE



Tgt Ion:128 Resp: 479682
Ion Ratio Lower Upper
128 100
127 13.3 10.5 15.7
129 10.8 8.7 13.1

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/30/2021
Supervised By :Mahesh Dadoda 12/01/2021

