

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121521\
 Data File : VN070119.D
 Acq On : 15 Dec 2021 18:26
 Operator : JC/MD
 Sample : M4970-11DL 5X
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-27DL

Manual Integrations
 APPROVED

Reviewed By : John Carlone 12/16/2021
 Supervised By : Amit Patel 12/16/2021

Quant Time: Dec 16 05:40:57 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	1189651	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	2268489	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.747	117	2635354	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	1104654	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	941768	51.272	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 102.540%			
35) Dibromofluoromethane	8.024	113	655339	46.120	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 92.240%			
50) Toluene-d8	10.443	98	3022600	52.977	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 105.960%			
62) 4-Bromofluorobenzene	12.734	95	1332701	64.476	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 128.960%			
Target Compounds					Qvalue	
16) Acetone	4.299	43	20236m	1.831	ug/l	
22) Diisopropyl ether	6.503	45	13524	0.271	ug/l #	88
31) Cyclohexane	8.091	56	93456	3.656	ug/l #	76
39) Methylcyclohexane	9.462	83	20303	0.790	ug/l	94
40) Benzene	8.461	78	2998119	45.420	ug/l	98
52) Toluene	10.505	92	19888	0.494	ug/l	96
67) Ethyl Benzene	11.846	91	31615	0.326	ug/l	97
68) m/p-Xylenes	11.953	106	51570	1.458	ug/l	93
73) Isopropylbenzene	12.581	105	160158	1.630	ug/l	98
78) n-propylbenzene	12.921	91	401363	3.670	ug/l	95
85) sec-Butylbenzene	13.503	105	20372	0.214	ug/l #	76
89) n-Butylbenzene	13.943	91	18242	0.303	ug/l #	75
95) Naphthalene	15.507	128	64459	5.084	ug/l	98

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

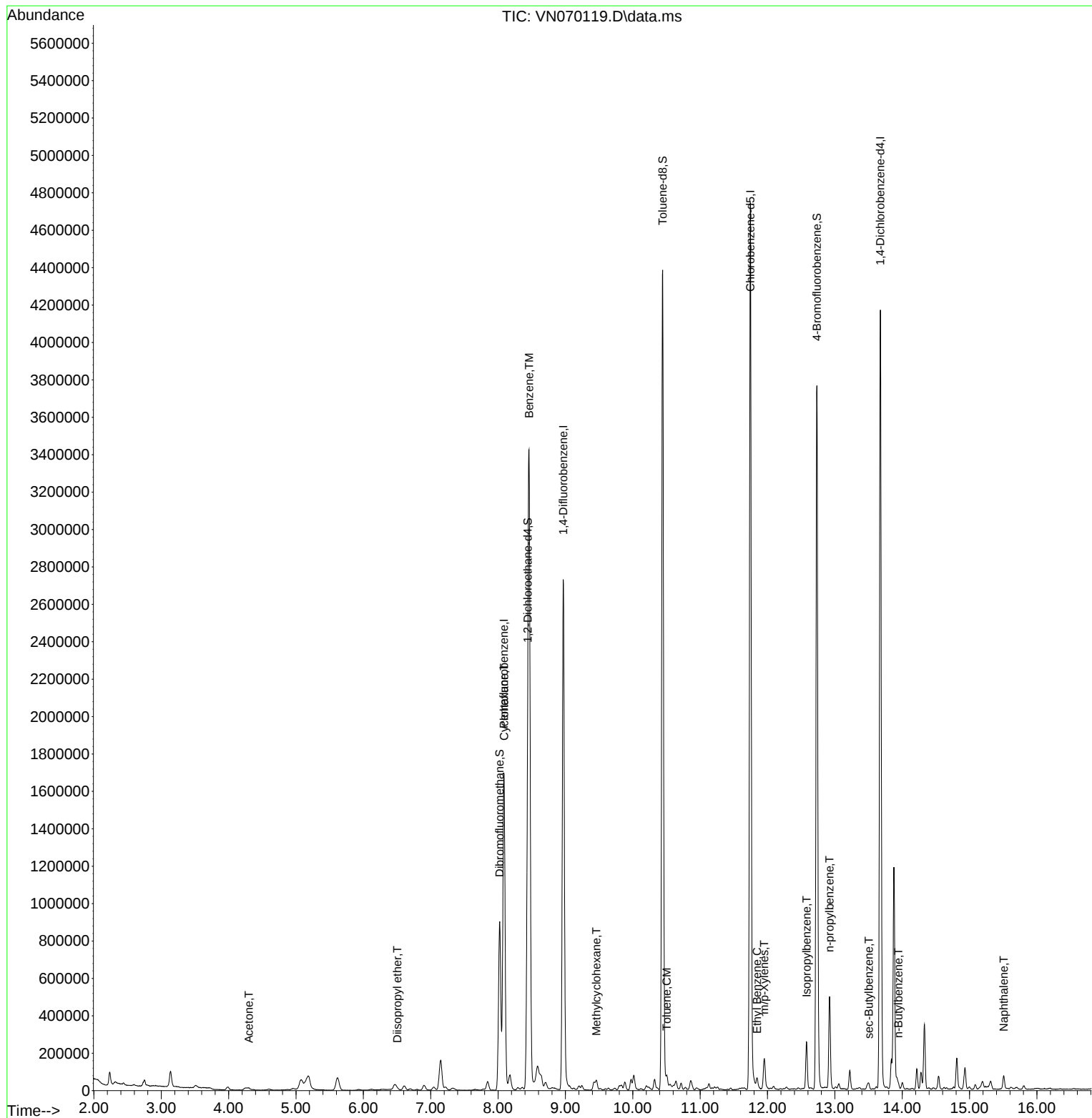
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121521\
Data File : VN070119.D
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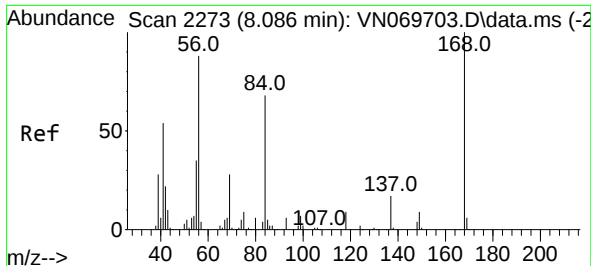
Instrument :
MSVOA_N
ClientSampleId :
MW-27DL

Quant Time: Dec 16 05:40:57 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

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APPROVED

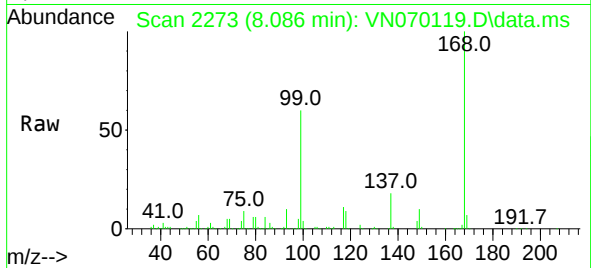
Reviewed By : John Carlone 12/16/2021
Supervised By : Amit Patel 12/16/2021





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN070119.D
Acq: 15 Dec 2021 18:26

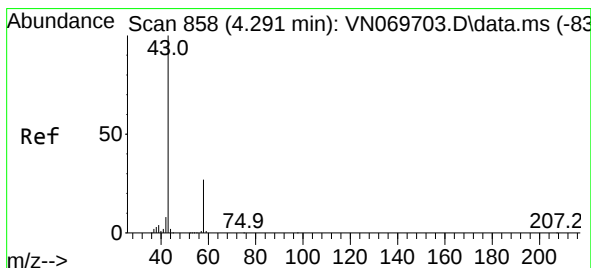
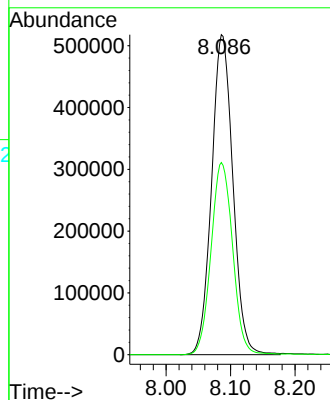
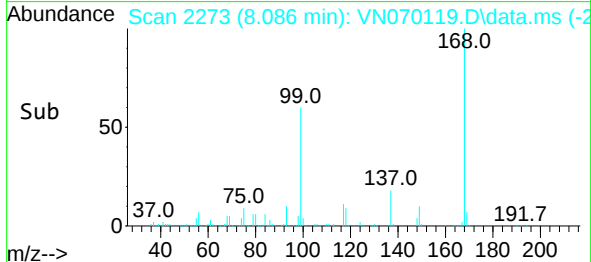
Instrument :
MSVOA_N
ClientSampleId :
MW-27DL



Tgt Ion:168 Resp: 118965
Ion Ratio Lower Upper
168 100
99 60.0 41.3 61.9

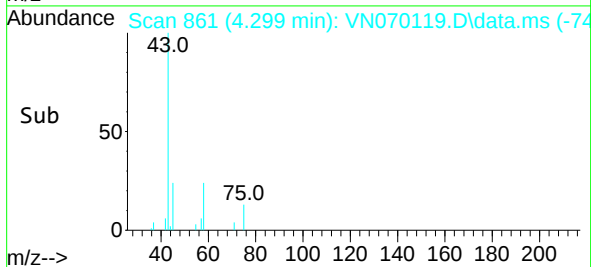
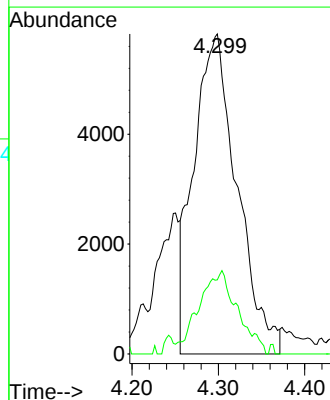
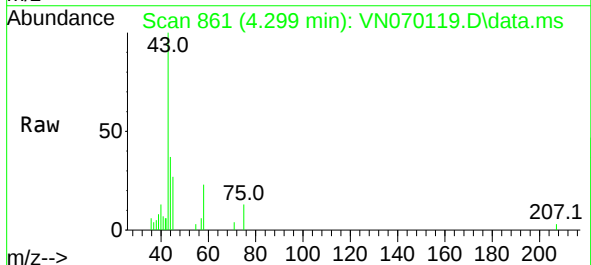
Manual Integrations
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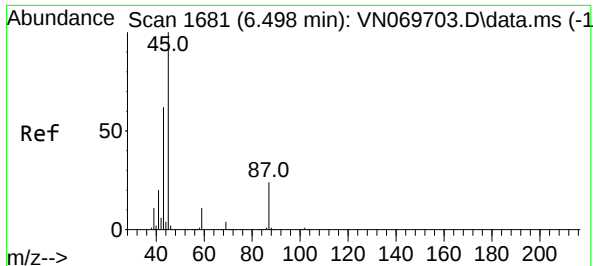
Reviewed By :John Carlone 12/16/2021
Supervised By :Amit Patel 12/16/2021



#16
Acetone
Concen: 1.831 ug/l m
RT: 4.299 min Scan# 861
Delta R.T. 0.008 min
Lab File: VN070119.D
Acq: 15 Dec 2021 18:26

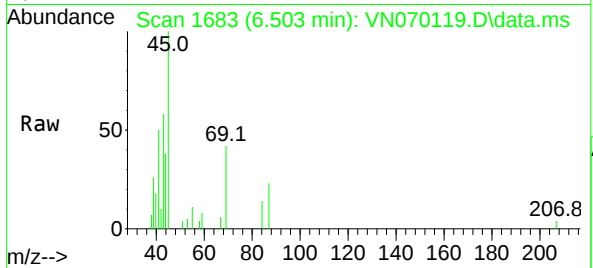
Tgt Ion: 43 Resp: 20236
Ion Ratio Lower Upper
43 100
58 23.2 23.1 34.7





#22
Diisopropyl ether
Concen: 0.271 ug/l
RT: 6.503 min Scan# 1683
Delta R.T. 0.006 min
Lab File: VN070119.D
Acq: 15 Dec 2021 18:26

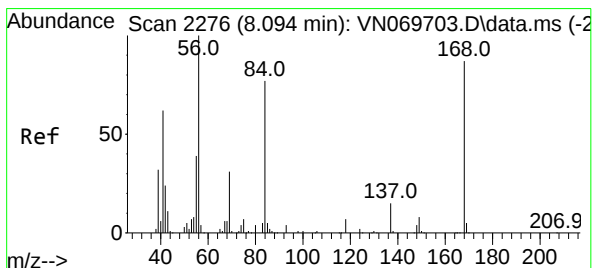
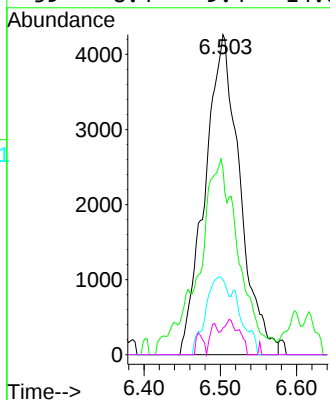
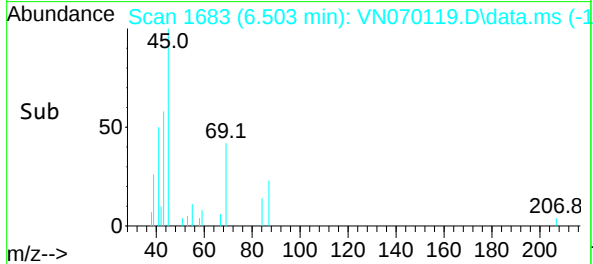
Instrument :
MSVOA_N
ClientSampleId :
MW-27DL



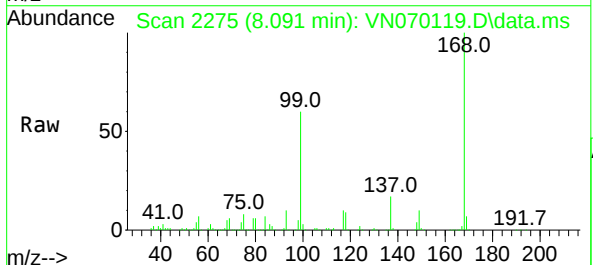
Tgt Ion	Ratio	Lower	Upper
45	100		
43	53.7	51.7	77.5
87	23.4	23.2	34.8
59	8.4	9.4	14.0#

Manual Integrations
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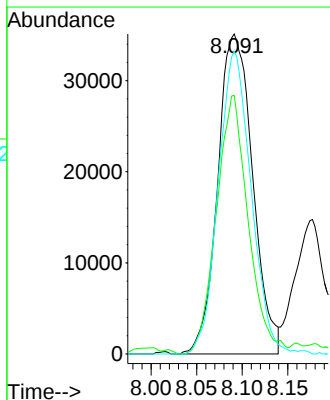
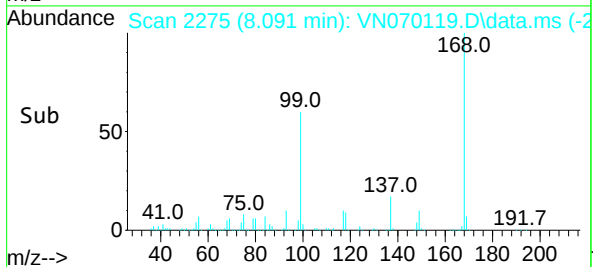
Reviewed By :John Carlone 12/16/2021
Supervised By :Amit Patel 12/16/2021

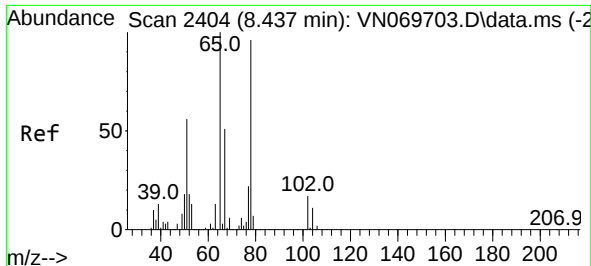


#31
Cyclohexane
Concen: 3.656 ug/l
RT: 8.091 min Scan# 2275
Delta R.T. -0.002 min
Lab File: VN070119.D
Acq: 15 Dec 2021 18:26



Tgt Ion	Ratio	Lower	Upper
56	100		
69	80.8	27.1	40.7#
84	94.6	73.4	110.0





#33

1,2-Dichloroethane-d4

Concen: 51.272 ug/l

RT: 8.440 min Scan# 2404

Delta R.T. 0.003 min

Lab File: VN070119.D

Acq: 15 Dec 2021 18:26

Instrument :

MSVOA_N

ClientSampleId :

MW-27DL

Tgt Ion: 65 Resp: 941768

Ion Ratio Lower Upper

65 100

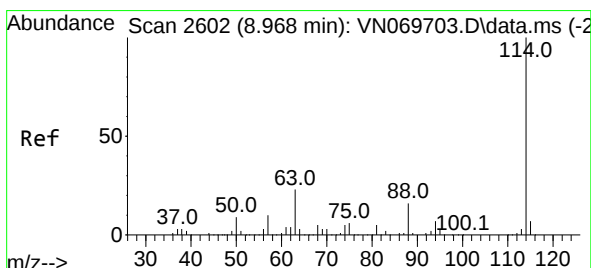
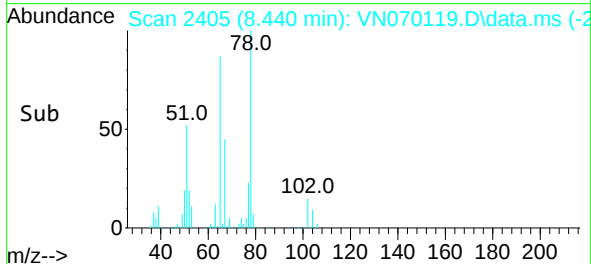
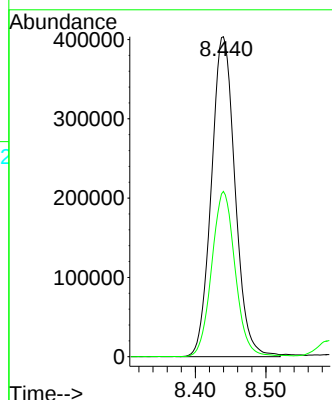
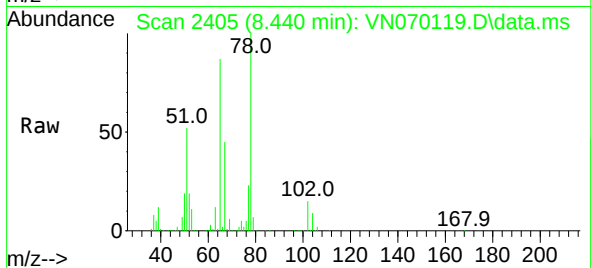
67 50.9 0.0 103.0

Manual Integrations

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Supervised By :Amit Patel 12/16/2021



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.968 min Scan# 2602

Delta R.T. 0.000 min

Lab File: VN070119.D

Acq: 15 Dec 2021 18:26

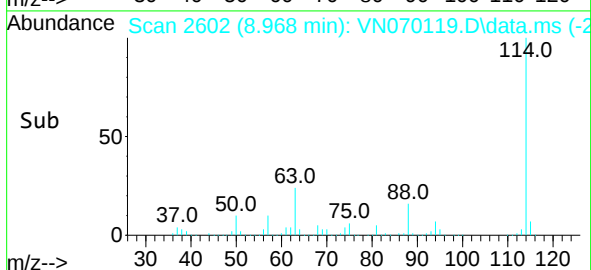
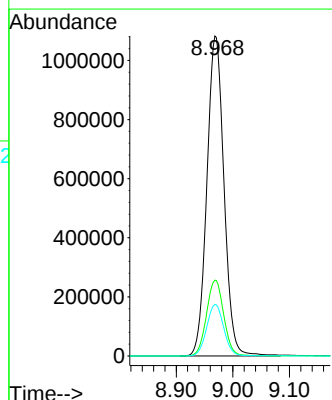
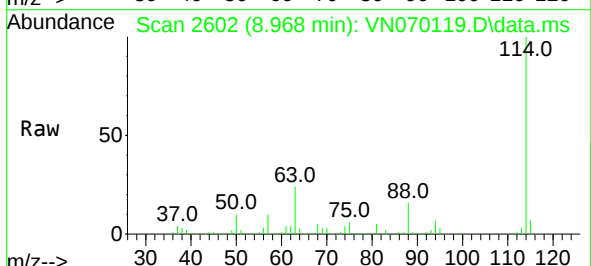
Tgt Ion:114 Resp: 2268489

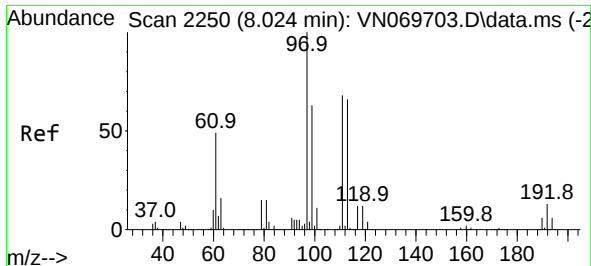
Ion Ratio Lower Upper

114 100

63 23.7 0.0 37.8

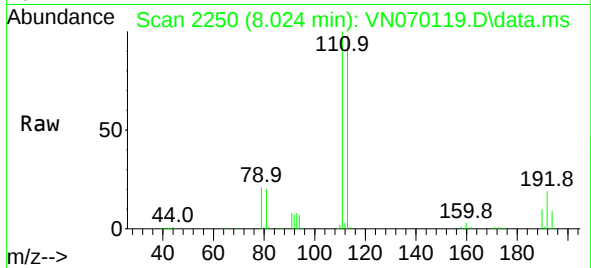
88 16.1 0.0 27.4





#35
Dibromofluoromethane
Concen: 46.120 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.000 min
Lab File: VN070119.D
Acq: 15 Dec 2021 18:26

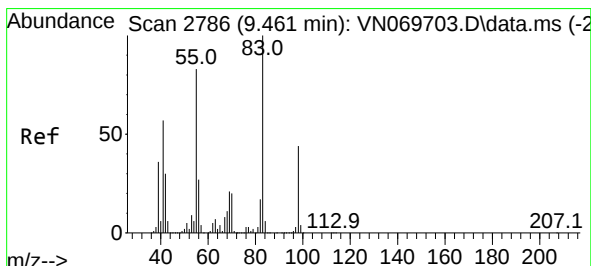
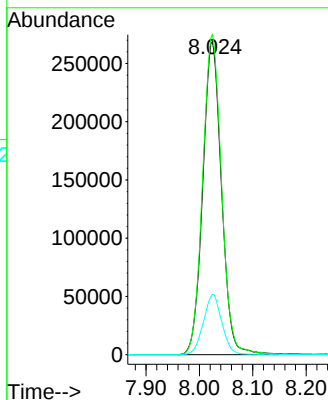
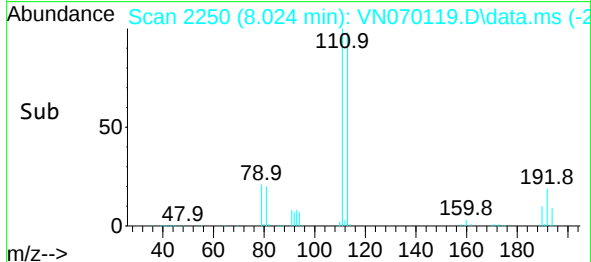
Instrument :
MSVOA_N
ClientSampleId :
MW-27DL



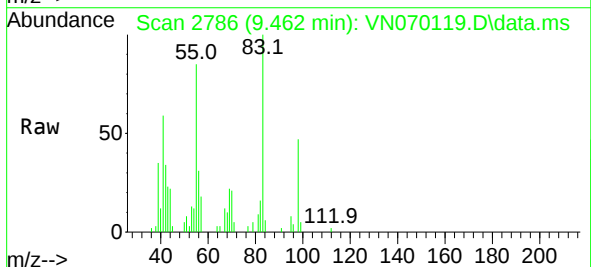
Tgt Ion: 113 Resp: 655339
Ion Ratio Lower Upper
113 100
111 103.0 82.2 123.2
192 18.9 16.9 25.3

Manual Integrations
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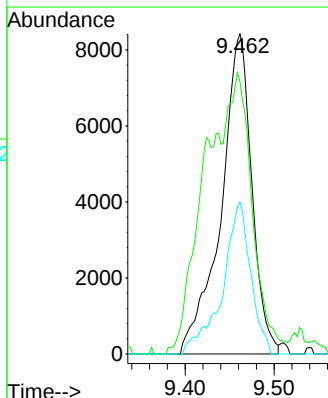
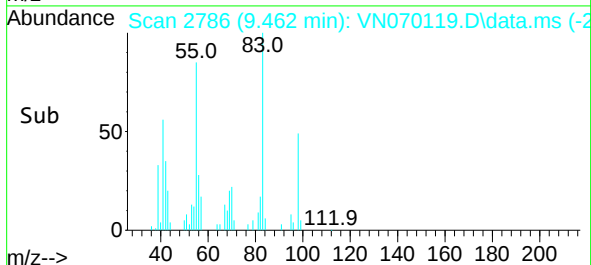
Reviewed By :John Carlone 12/16/2021
Supervised By :Amit Patel 12/16/2021

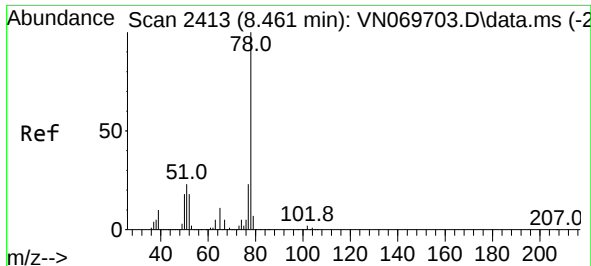


#39
Methylcyclohexane
Concen: 0.790 ug/l
RT: 9.462 min Scan# 2786
Delta R.T. 0.000 min
Lab File: VN070119.D
Acq: 15 Dec 2021 18:26



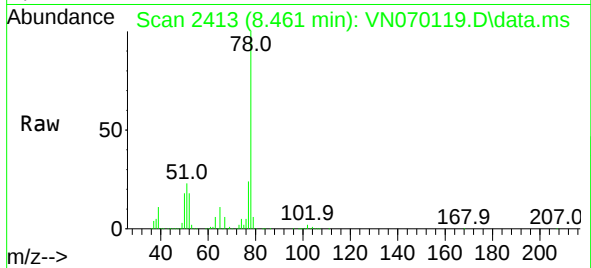
Tgt Ion: 83 Resp: 20303
Ion Ratio Lower Upper
83 100
55 80.4 58.1 87.1
98 47.4 38.4 57.6





#40
Benzene
Concen: 45.420 ug/l
RT: 8.461 min Scan# 2413
Delta R.T. 0.000 min
Lab File: VN070119.D
Acq: 15 Dec 2021 18:26

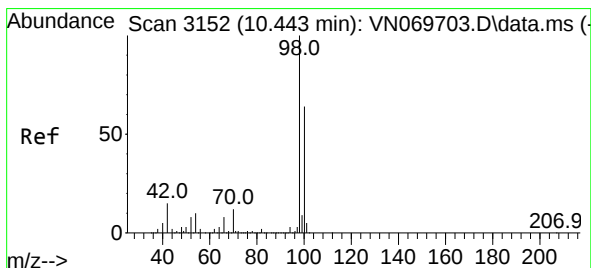
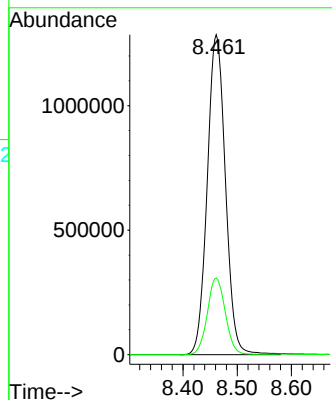
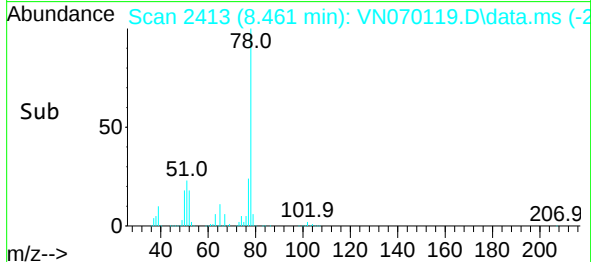
Instrument :
MSVOA_N
ClientSampleId :
MW-27DL



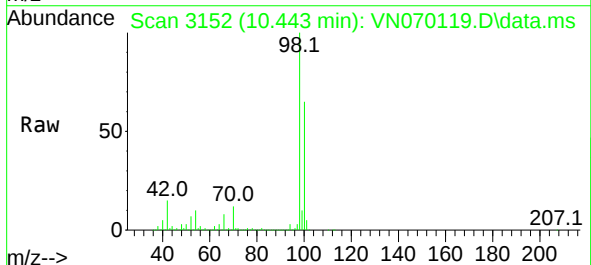
Tgt Ion: 78 Resp: 2998119
Ion Ratio Lower Upper
78 100
77 23.9 18.6 27.8

Manual Integrations
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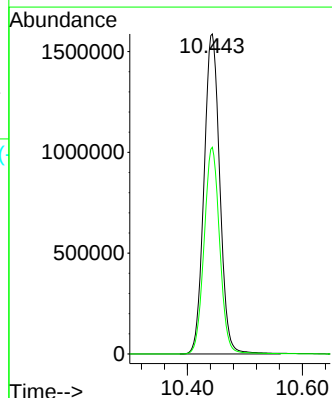
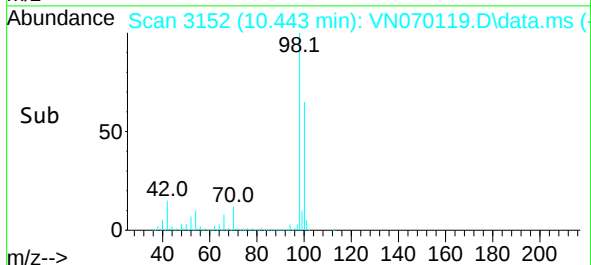
Reviewed By :John Carlone 12/16/2021
Supervised By :Amit Patel 12/16/2021

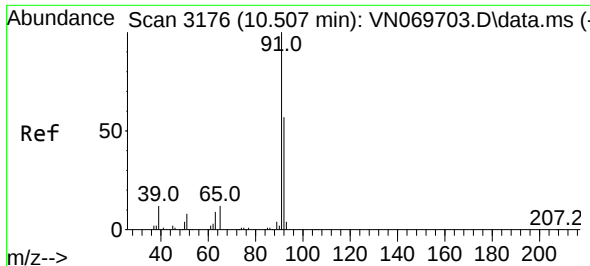


#50
Toluene-d8
Concen: 52.977 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN070119.D
Acq: 15 Dec 2021 18:26



Tgt Ion: 98 Resp: 3022600
Ion Ratio Lower Upper
98 100
100 63.8 50.4 75.6





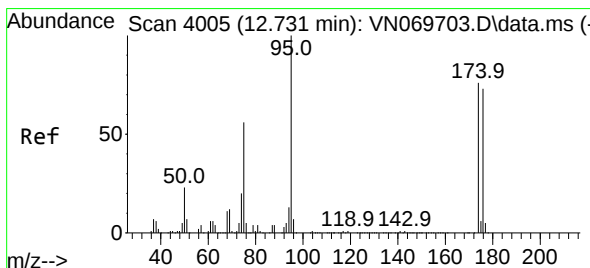
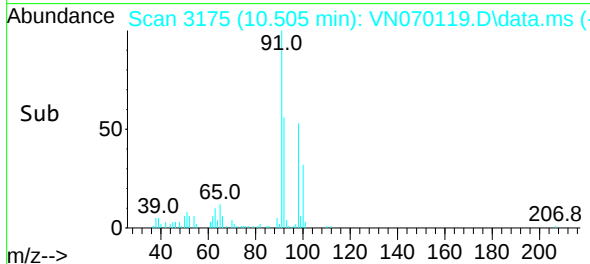
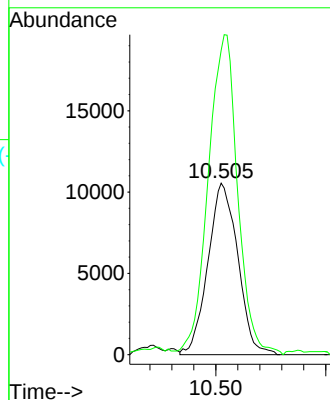
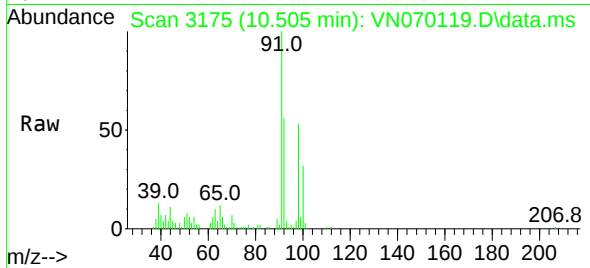
#52
Toluene
Concen: 0.494 ug/l
RT: 10.505 min Scan# 3176
Delta R.T. -0.002 min
Lab File: VN070119.D
Acq: 15 Dec 2021 18:26

Instrument :
MSVOA_N
ClientSampleId :
MW-27DL

Tgt Ion: 92 Resp: 1988
Ion Ratio Lower Upper
92 100
91 183.7 142.0 213.0

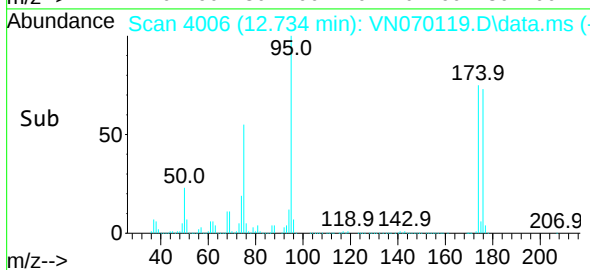
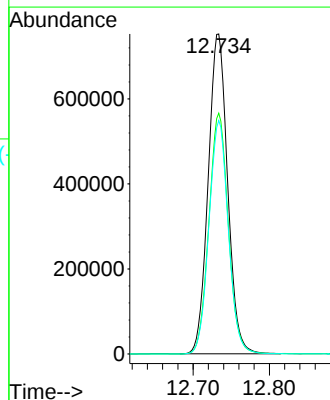
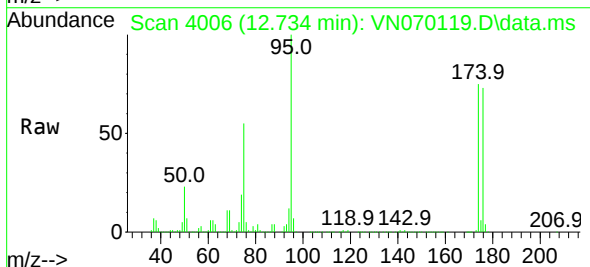
Manual Integrations
APPROVED

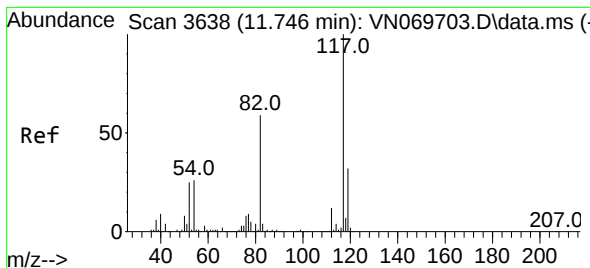
Reviewed By :John Carlone 12/16/2021
Supervised By :Amit Patel 12/16/2021



#62
4-Bromofluorobenzene
Concen: 64.476 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.003 min
Lab File: VN070119.D
Acq: 15 Dec 2021 18:26

Tgt Ion: 95 Resp: 1332701
Ion Ratio Lower Upper
95 100
174 75.1 0.0 187.2
176 72.6 0.0 181.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.747 min Scan# 3638

Delta R.T. 0.001 min

Lab File: VN070119.D

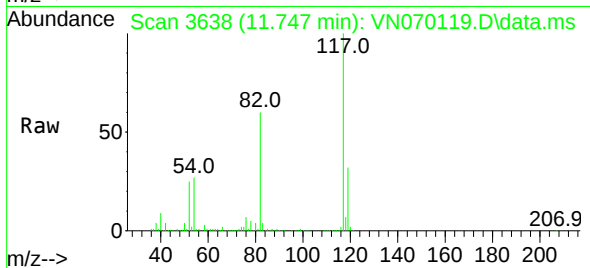
Acq: 15 Dec 2021 18:26

Instrument :

MSVOA_N

ClientSampleId :

MW-27DL



Tgt Ion: 117 Resp: 2635354

Ion Ratio Lower Upper

117 100

82 59.7 42.4 63.6

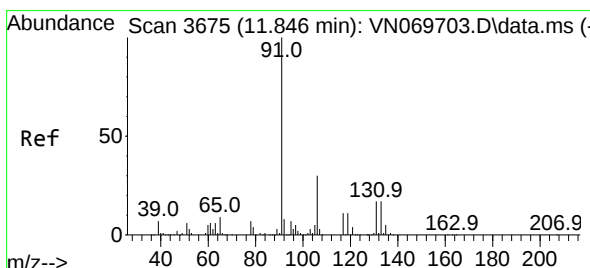
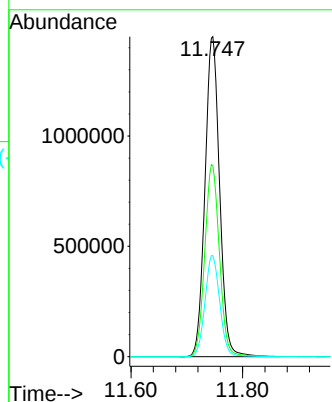
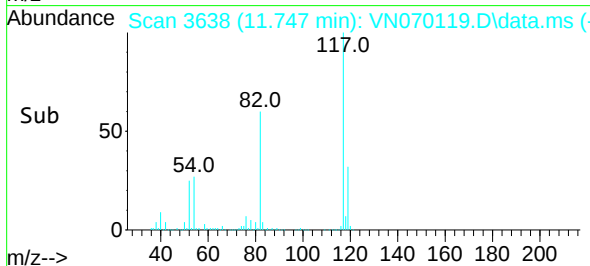
119 31.6 25.4 38.2

Manual Integrations

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Reviewed By :John Carlone 12/16/2021

Supervised By :Amit Patel 12/16/2021



#67

Ethyl Benzene

Concen: 0.326 ug/l

RT: 11.846 min Scan# 3675

Delta R.T. 0.000 min

Lab File: VN070119.D

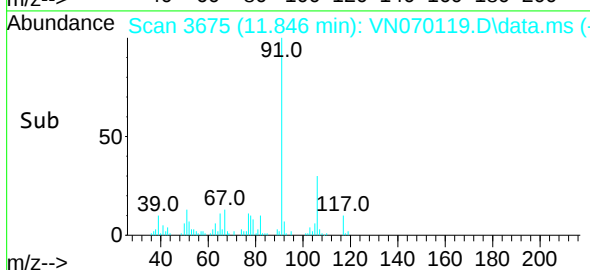
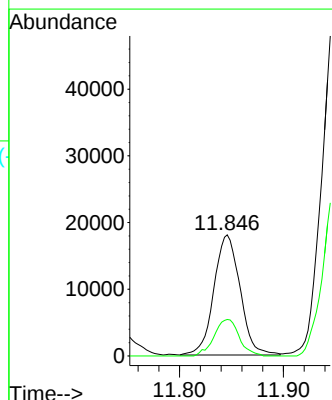
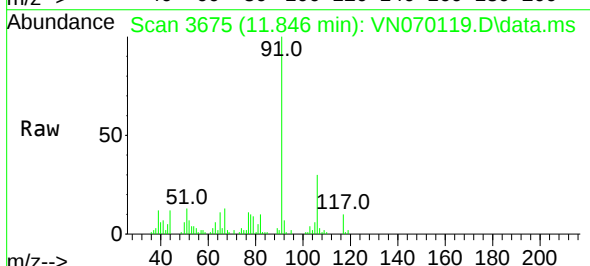
Acq: 15 Dec 2021 18:26

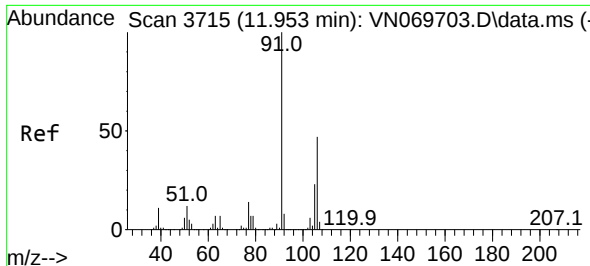
Tgt Ion: 91 Resp: 31615

Ion Ratio Lower Upper

91 100

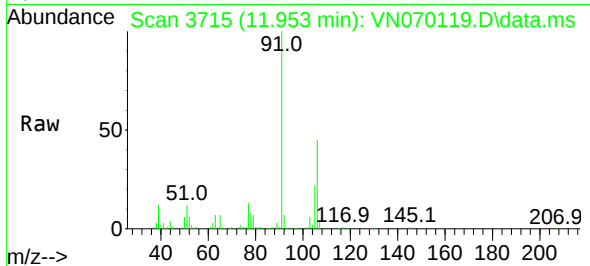
106 30.4 25.7 38.5





#68
m/p-Xylenes
Concen: 1.458 ug/l
RT: 11.953 min Scan# 31
Delta R.T. 0.000 min
Lab File: VN070119.D
Acq: 15 Dec 2021 18:26

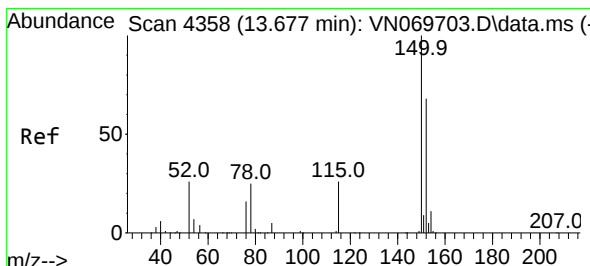
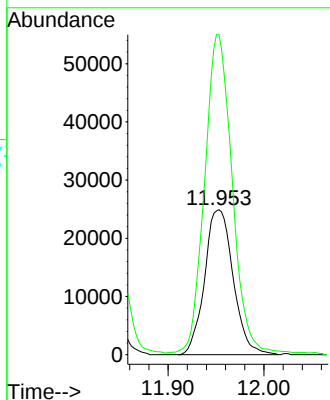
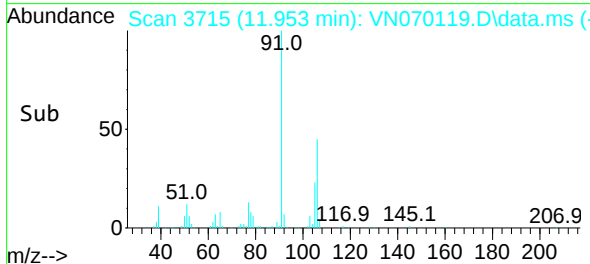
Instrument :
MSVOA_N
ClientSampleId :
MW-27DL



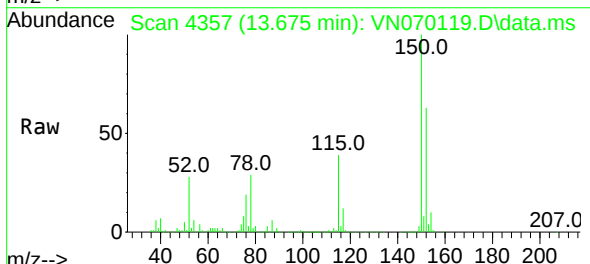
Tgt Ion:106 Resp: 51570
Ion Ratio Lower Upper
106 100
91 210.9 160.6 240.8

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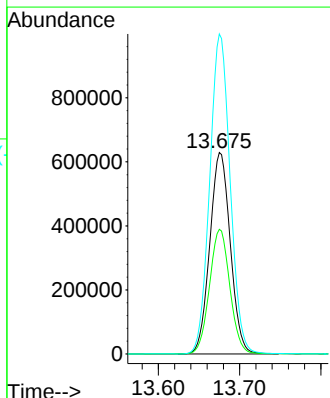
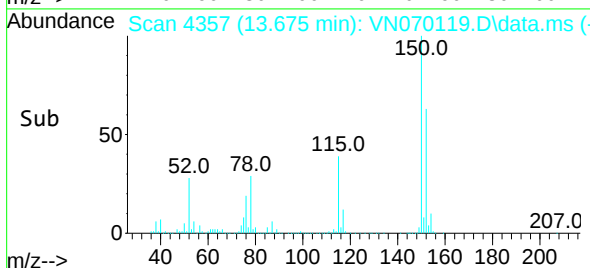
Reviewed By :John Carlone 12/16/2021
Supervised By :Amit Patel 12/16/2021

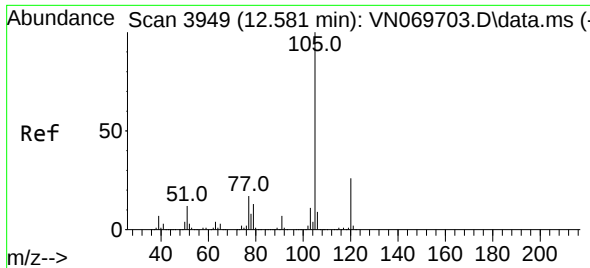


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.675 min Scan# 4357
Delta R.T. -0.002 min
Lab File: VN070119.D
Acq: 15 Dec 2021 18:26



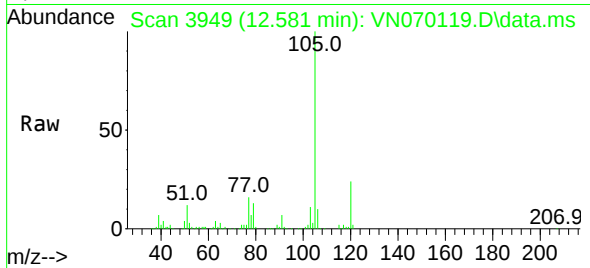
Tgt Ion:152 Resp: 1104654
Ion Ratio Lower Upper
152 100
115 61.2 27.5 82.5
150 158.1 0.0 344.4





#73
Isopropylbenzene
Concen: 1.630 ug/l
RT: 12.581 min Scan# 3949
Delta R.T. 0.000 min
Lab File: VN070119.D
Acq: 15 Dec 2021 18:26

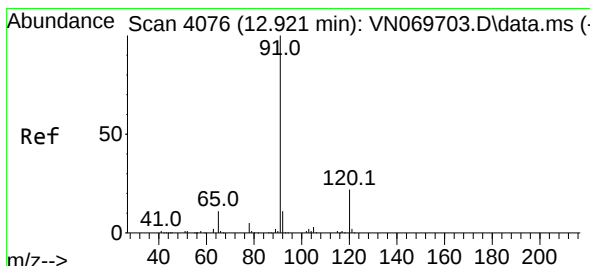
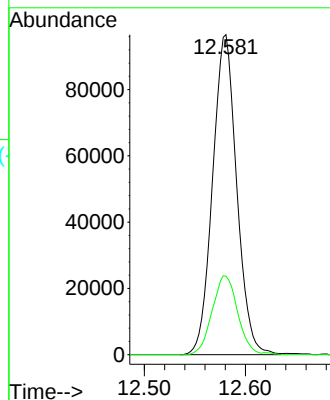
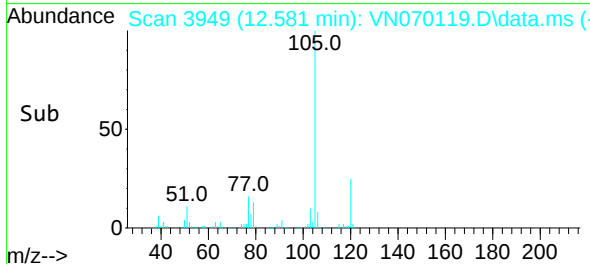
Instrument :
MSVOA_N
ClientSampleId :
MW-27DL



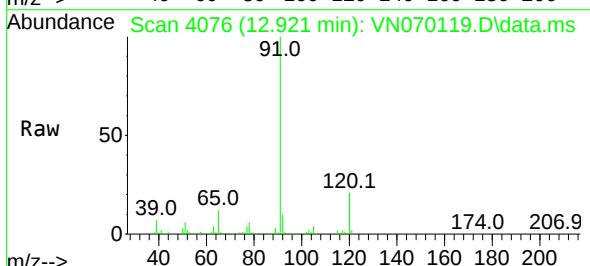
Tgt Ion:105 Resp: 160158
Ion Ratio Lower Upper
105 100
120 25.9 13.4 40.1

Manual Integrations
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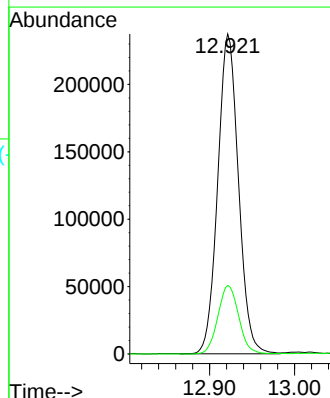
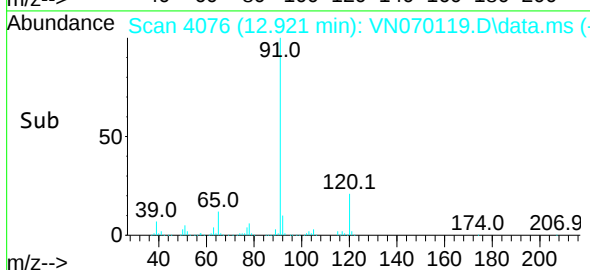
Reviewed By :John Carlone 12/16/2021
Supervised By :Amit Patel 12/16/2021

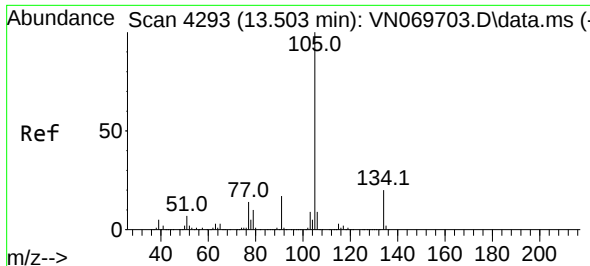


#78
n-propylbenzene
Concen: 3.670 ug/l
RT: 12.921 min Scan# 4076
Delta R.T. 0.000 min
Lab File: VN070119.D
Acq: 15 Dec 2021 18:26



Tgt Ion: 91 Resp: 401363
Ion Ratio Lower Upper
91 100
120 21.6 11.9 35.9





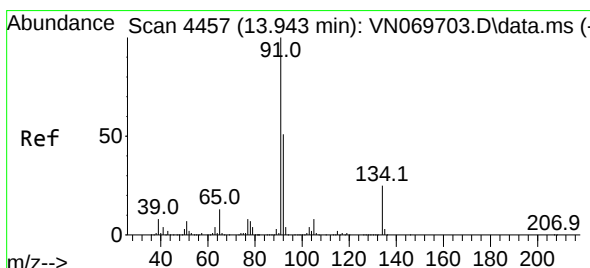
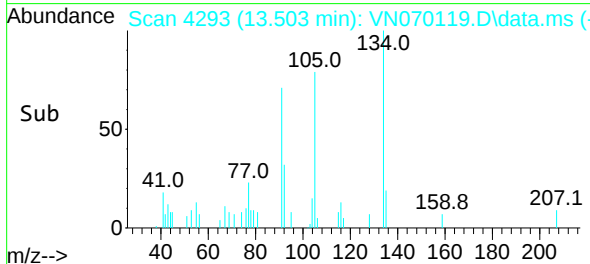
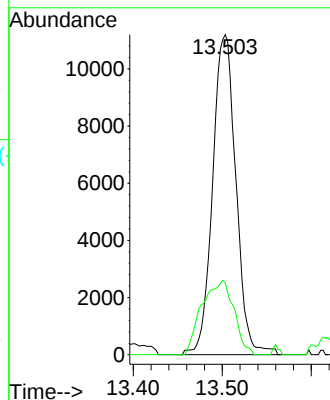
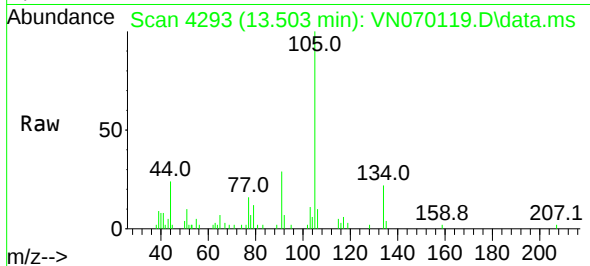
#85
sec-Butylbenzene
Concen: 0.214 ug/l
RT: 13.503 min Scan# 4293
Delta R.T. 0.000 min
Lab File: VN070119.D
Acq: 15 Dec 2021 18:26

Instrument :
MSVOA_N
ClientSampleId :
MW-27DL

Tgt Ion:105 Resp: 20372
Ion Ratio Lower Upper
105 100
134 31.9 10.4 31.1

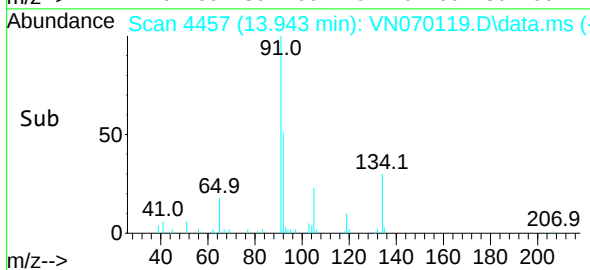
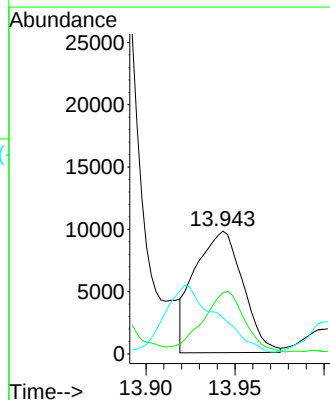
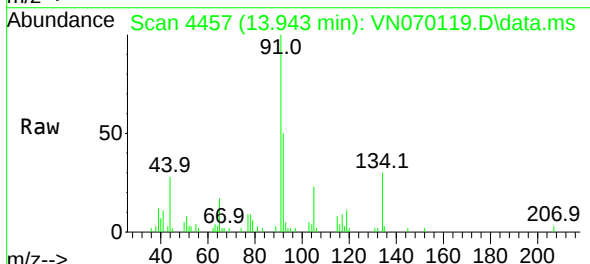
Manual Integrations
APPROVED

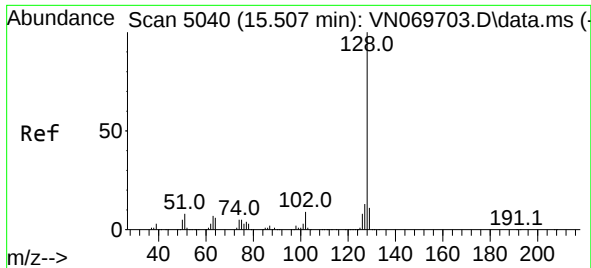
Reviewed By :John Carlone 12/16/2021
Supervised By :Amit Patel 12/16/2021



#89
n-Butylbenzene
Concen: 0.303 ug/l
RT: 13.943 min Scan# 4457
Delta R.T. 0.000 min
Lab File: VN070119.D
Acq: 15 Dec 2021 18:26

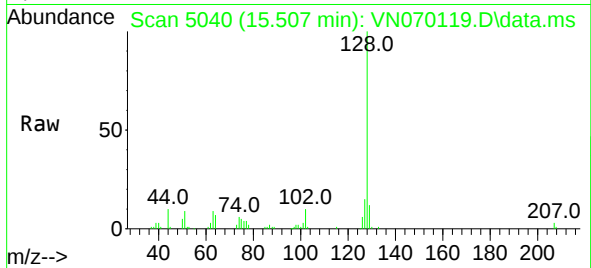
Tgt Ion: 91 Resp: 18242
Ion Ratio Lower Upper
91 100
92 43.7 25.4 76.0
134 0.0 13.6 40.8





#95
Naphthalene
Concen: 5.084 ug/l
RT: 15.507 min Scan# 5040
Delta R.T. -0.000 min
Lab File: VN070119.D
Acq: 15 Dec 2021 18:26

Instrument :
MSVOA_N
ClientSampleId :
MW-27DL



Tgt Ion:128 Resp: 64459
Ion Ratio Lower Upper
128 100
127 14.2 10.5 15.7
129 11.5 8.7 13.1

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/16/2021
Supervised By :Amit Patel 12/16/2021

