

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN010322\
 Data File : VN070449.D
 Acq On : 3 Jan 2022 20:14
 Operator : JC/MD
 Sample : M5212-01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Manual Integrations
 APPROVED

Reviewed By : John Carlone 01/04/2022
 Supervised By : Mahesh Dadoda 01/04/2022

Quant Time: Jan 04 01:38:05 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122721W.M
 Quant Title : SW846 8260
 QLast Update : Mon Dec 27 18:47:12 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.086	168	1004925	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.965	114	1674402	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.741	117	1502459	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.672	152	569009	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.437	65	696726	48.220	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	96.440%		
35) Dibromofluoromethane	8.021	113	482712	47.647	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	95.300%		
50) Toluene-d8	10.438	98	1998430	48.288	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	96.580%		
62) 4-Bromofluorobenzene	12.728	95	759513	50.811	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	101.620%		
Target Compounds					Qvalue	
12) 1,1-Dichloroethene	4.178	96	3315m	0.324	ug/l	
17) Carbon Disulfide	4.543	76	13196m	0.472	ug/l	
22) Diisopropyl ether	6.503	45	25246	0.559	ug/l #	81
31) Cyclohexane	8.094	56	158589	6.955	ug/l #	89
32) 1,1,1-Trichloroethane	8.019	97	9614m	0.504	ug/l	
39) Methylcyclohexane	9.451	83	34897m	1.720	ug/l	
40) Benzene	8.459	78	2321639	45.185	ug/l	99
52) Toluene	10.502	92	26790	0.861	ug/l	100
67) Ethyl Benzene	11.843	91	2451240	41.966	ug/l	97
68) m/p-Xylenes	11.950	106	23469	1.104	ug/l #	1
69) o-Xylene	12.278	106	7335	0.347	ug/l	93
73) Isopropylbenzene	12.575	105	1051309	19.896	ug/l	98
78) n-propylbenzene	12.919	91	755164	12.899	ug/l	96
83) tert-Butylbenzene	13.321	119	28500	0.764	ug/l	92
84) 1,2,4-Trimethylbenzene	13.367	105	77540	1.902	ug/l	99
85) sec-Butylbenzene	13.501	105	115549	2.283	ug/l #	56
89) n-Butylbenzene	13.930	91	23693m	0.714	ug/l	

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

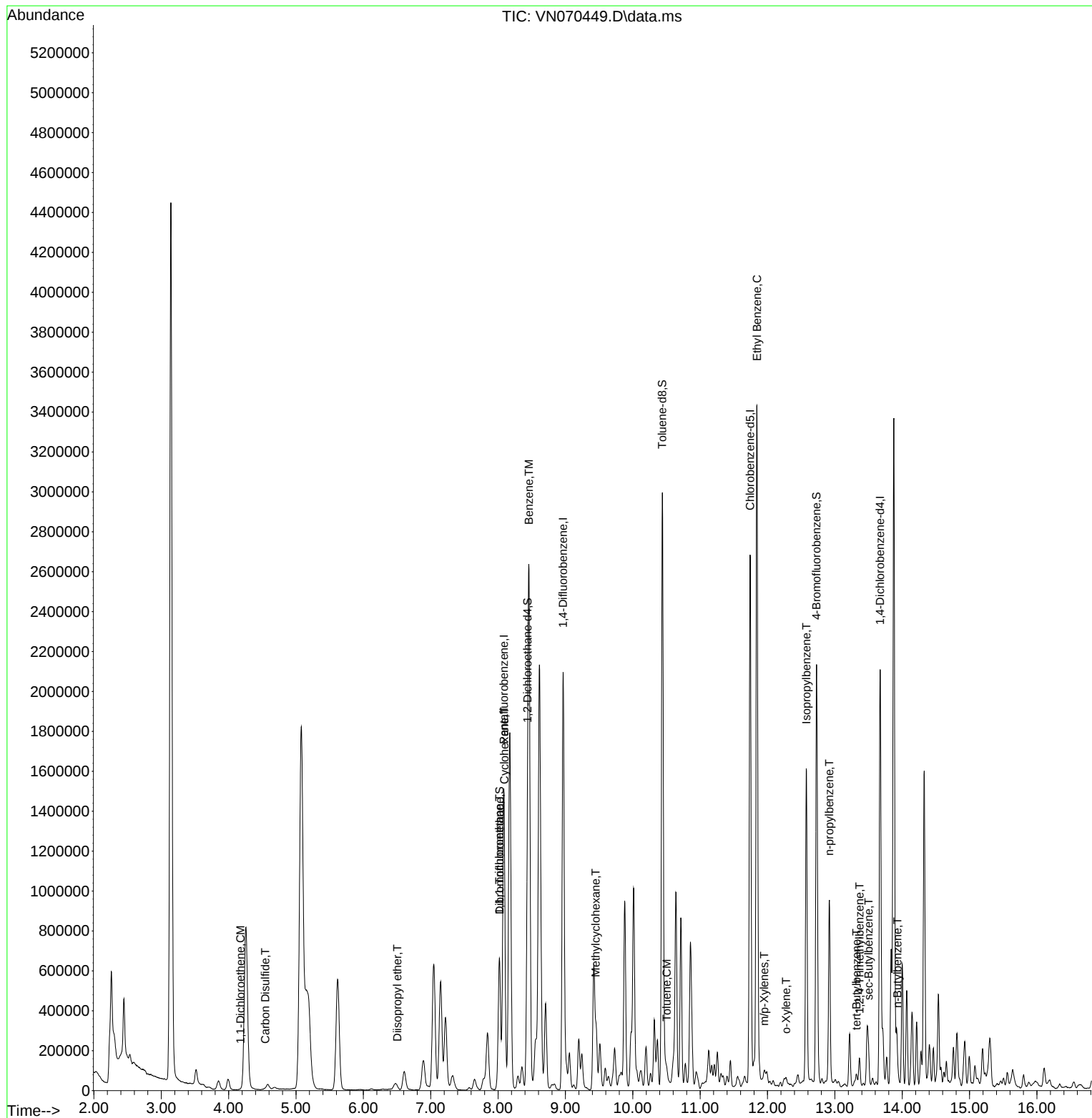
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN010322\
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APPROVED

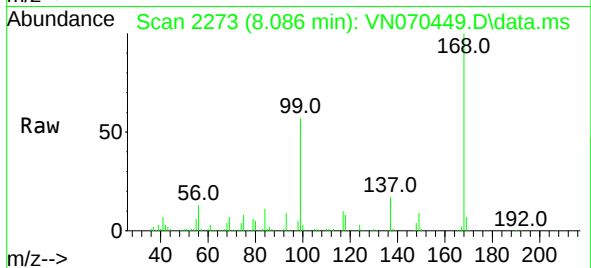
Reviewed By :John Carlone 01/04/2022
Supervised By :Mahesh Dadoda 01/04/2022





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN070449.D
Acq: 3 Jan 2022 20:14

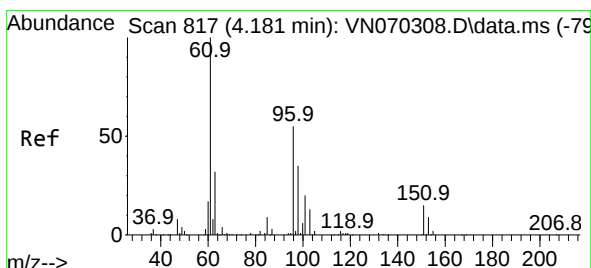
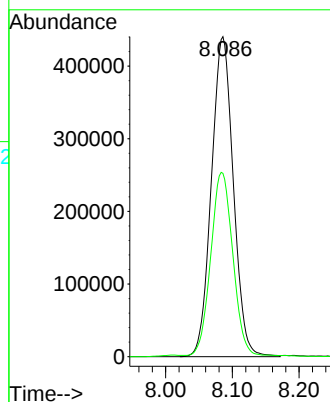
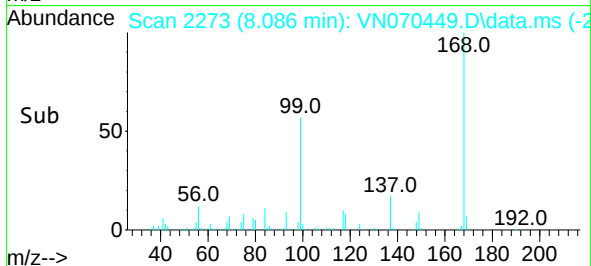
Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion:168 Resp: 100492
Ion Ratio Lower Upper
168 100
99 57.0 41.3 61.9

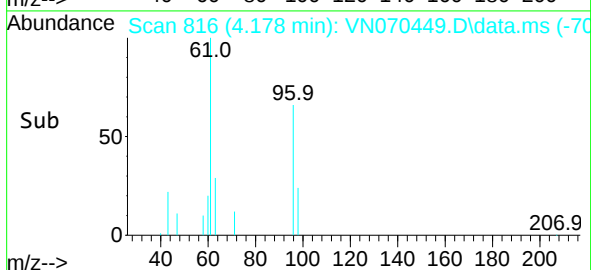
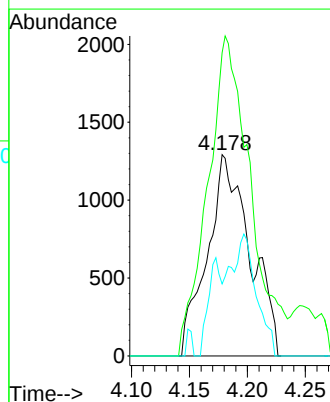
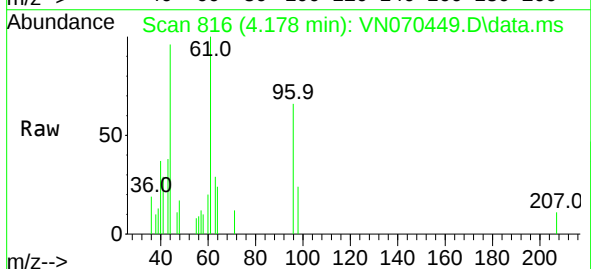
Manual Integrations
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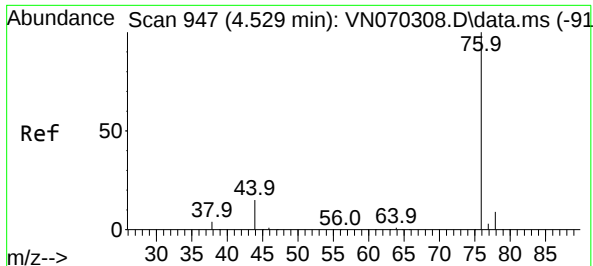
Reviewed By :John Carlone 01/04/2022
Supervised By :Mahesh Dadoda 01/04/2022



#12
1,1-Dichloroethene
Concen: 0.324 ug/l m
RT: 4.178 min Scan# 816
Delta R.T. -0.003 min
Lab File: VN070449.D
Acq: 3 Jan 2022 20:14

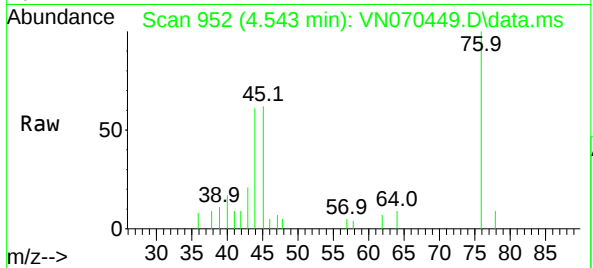
Tgt Ion: 96 Resp: 3315
Ion Ratio Lower Upper
96 100
61 150.6 131.0 196.6
98 35.8 52.4 78.6#





#17
Carbon Disulfide
Concen: 0.472 ug/l m
RT: 4.543 min Scan# 91
Delta R.T. 0.014 min
Lab File: VN070449.D
Acq: 3 Jan 2022 20:14

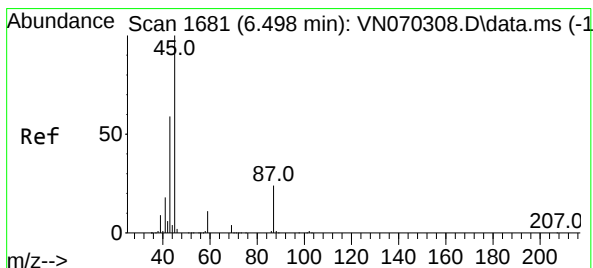
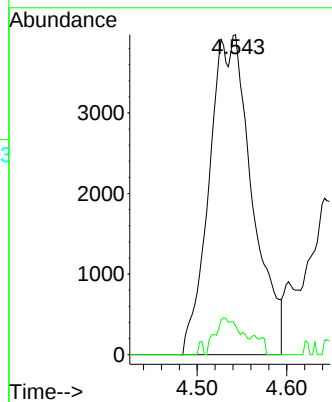
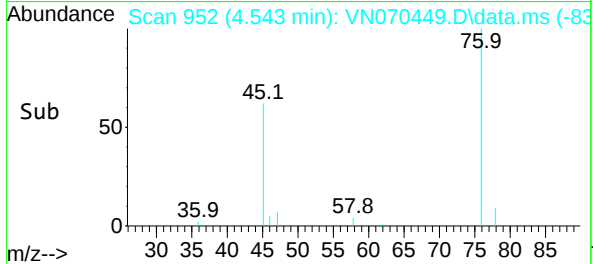
Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 76 Resp: 13190
Ion Ratio Lower Upper
76 100
78 9.1 7.5 11.3

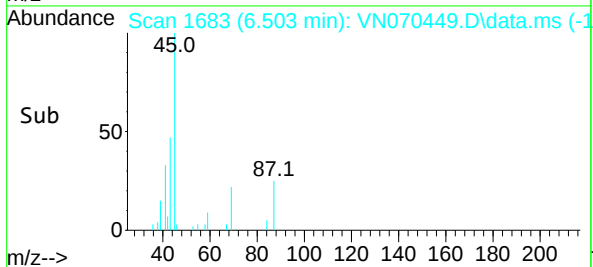
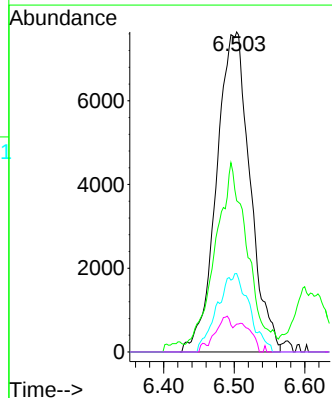
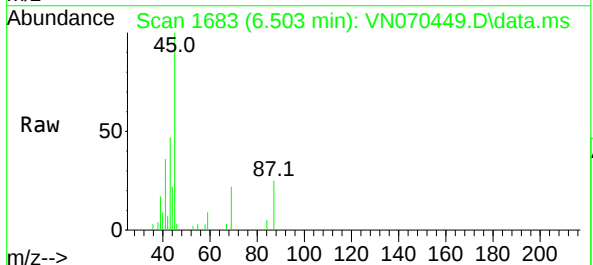
Manual Integrations
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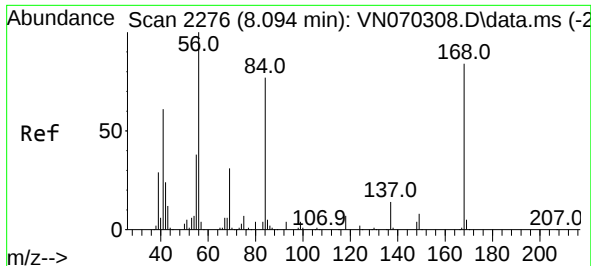
Reviewed By :John Carlone 01/04/2022
Supervised By :Mahesh Dadoda 01/04/2022



#22
Diisopropyl ether
Concen: 0.559 ug/l
RT: 6.503 min Scan# 1683
Delta R.T. 0.005 min
Lab File: VN070449.D
Acq: 3 Jan 2022 20:14

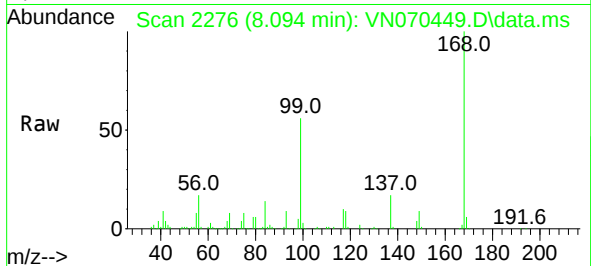
Tgt Ion: 45 Resp: 25246
Ion Ratio Lower Upper
45 100
43 44.1 51.7 77.5#
87 24.5 23.2 34.8
59 8.7 9.4 14.0#





#31
Cyclohexane
Concen: 6.955 ug/l
RT: 8.094 min Scan# 2276
Delta R.T. -0.000 min
Lab File: VN070449.D
Acq: 3 Jan 2022 20:14

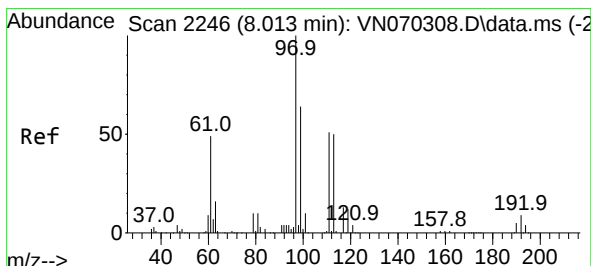
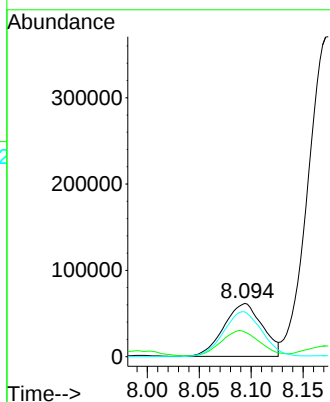
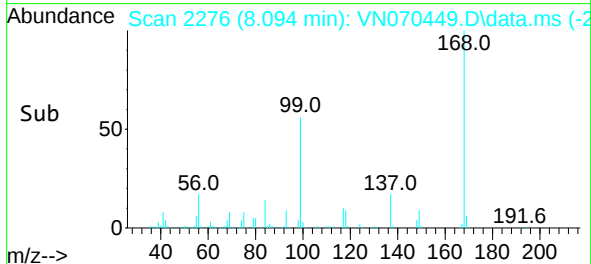
Instrument :
MSVOA_N
ClientSampleId :



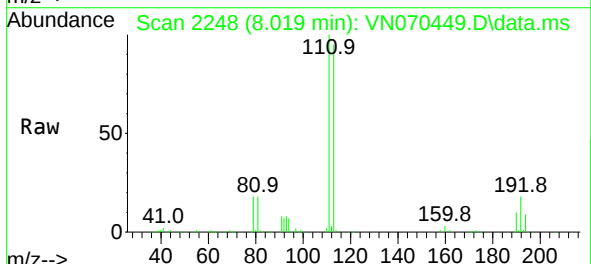
Tgt Ion: 56 Resp: 158589
Ion Ratio Lower Upper
56 100
69 44.4 27.1 40.7
84 84.4 73.4 110.0

Manual Integrations
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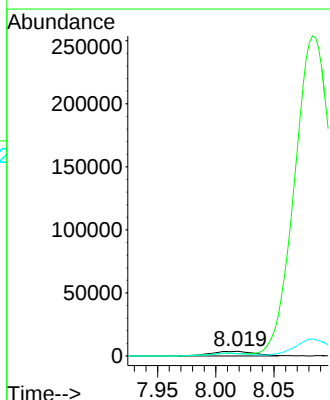
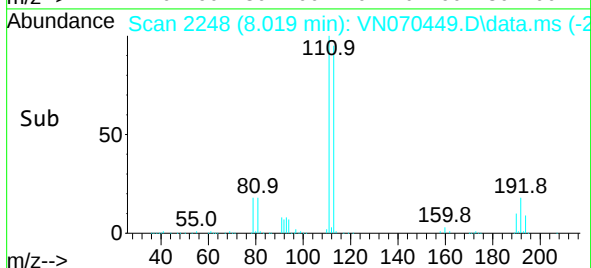
Reviewed By :John Carlone 01/04/2022
Supervised By :Mahesh Dadoda 01/04/2022

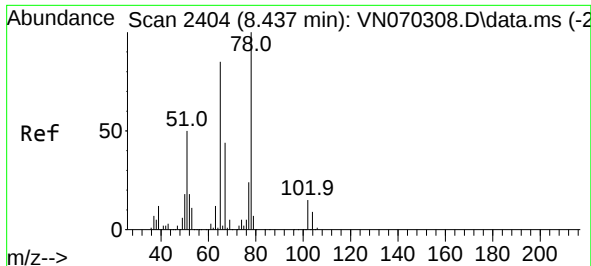


#32
1,1,1-Trichloroethane
Concen: 0.504 ug/l m
RT: 8.019 min Scan# 2248
Delta R.T. 0.006 min
Lab File: VN070449.D
Acq: 3 Jan 2022 20:14



Tgt Ion: 97 Resp: 9614
Ion Ratio Lower Upper
97 100
99 0.0 50.1 75.1#
61 54.3 35.2 52.8#





#33

1,2-Dichloroethane-d4

Concen: 48.220 ug/l

RT: 8.437 min Scan# 2404

Delta R.T. 0.000 min

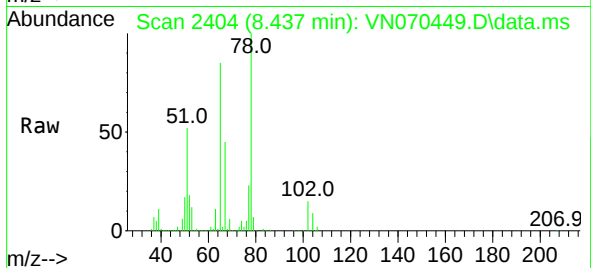
Lab File: VN070449.D

Acq: 3 Jan 2022 20:14

Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion: 65 Resp: 696720

Ion Ratio Lower Upper

65 100

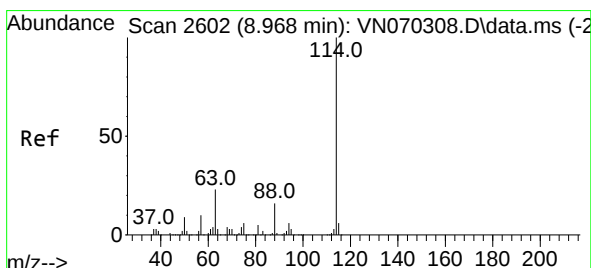
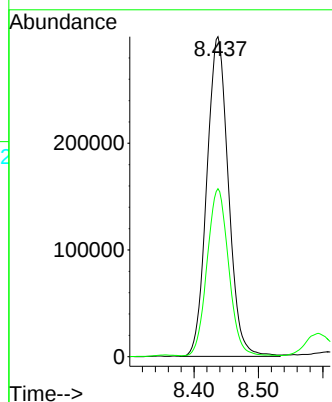
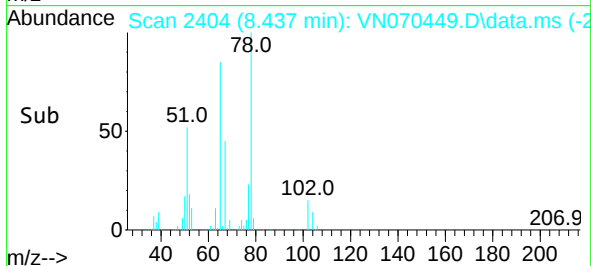
67 52.0 0.0 103.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/04/2022

Supervised By :Mahesh Dadoda 01/04/2022



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.965 min Scan# 2601

Delta R.T. -0.003 min

Lab File: VN070449.D

Acq: 3 Jan 2022 20:14

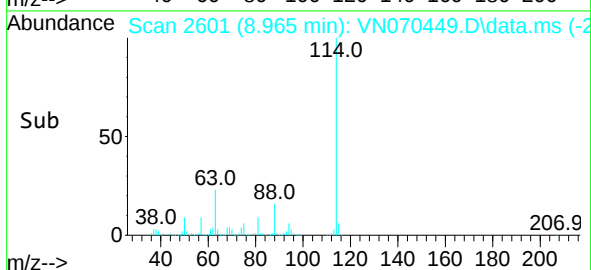
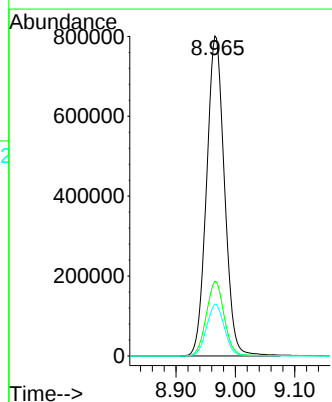
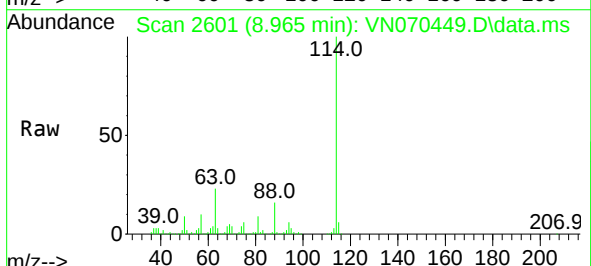
Tgt Ion:114 Resp: 1674402

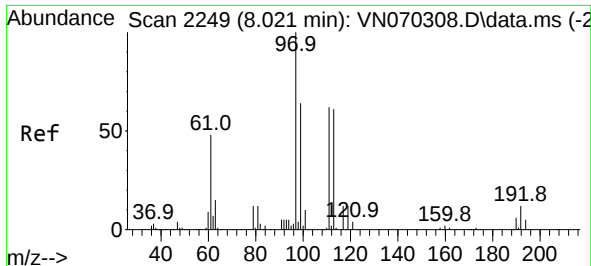
Ion Ratio Lower Upper

114 100

63 23.3 0.0 37.8

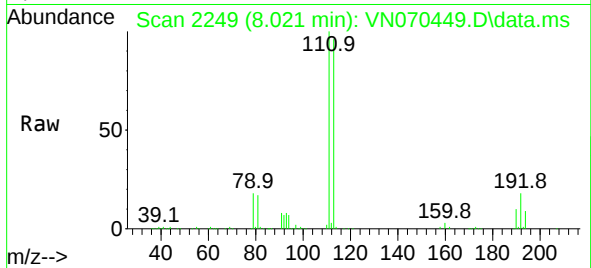
88 16.2 0.0 27.4





#35
Dibromofluoromethane
Concen: 47.647 ug/l
RT: 8.021 min Scan# 21
Delta R.T. 0.000 min
Lab File: VN070449.D
Acq: 3 Jan 2022 20:14

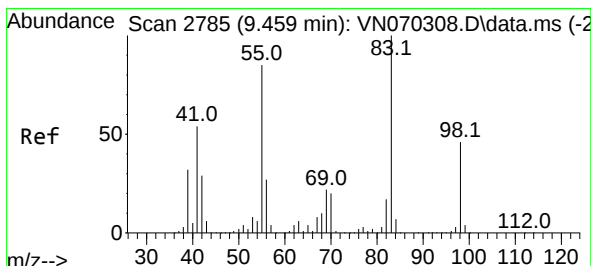
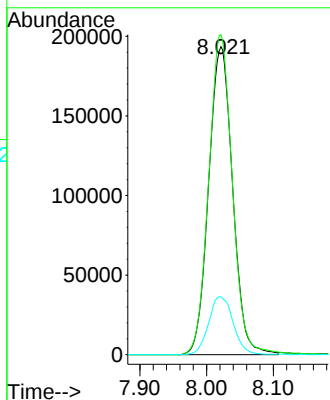
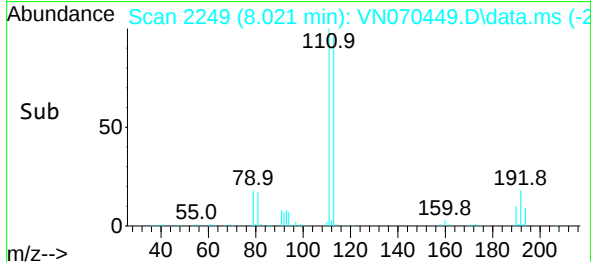
Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 113 Resp: 48271
Ion Ratio Lower Upper
113 100
111 102.8 82.2 123.2
192 19.3 16.9 25.3

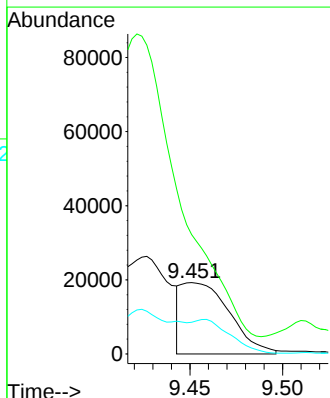
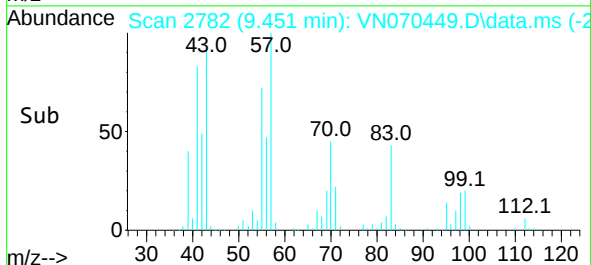
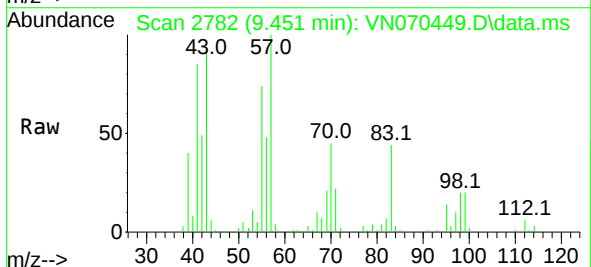
Manual Integrations
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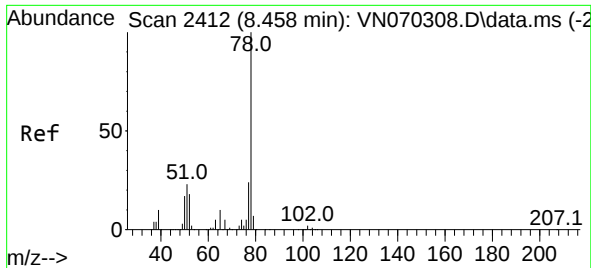
Reviewed By :John Carlone 01/04/2022
Supervised By :Mahesh Dadoda 01/04/2022



#39
Methylcyclohexane
Concen: 1.720 ug/l m
RT: 9.451 min Scan# 2782
Delta R.T. -0.008 min
Lab File: VN070449.D
Acq: 3 Jan 2022 20:14

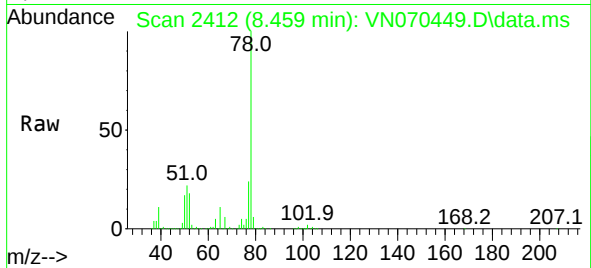
Tgt Ion: 83 Resp: 34897
Ion Ratio Lower Upper
83 100
55 167.4 58.1 87.1#
98 44.4 38.4 57.6





#40
Benzene
Concen: 45.185 ug/l
RT: 8.459 min Scan# 2412
Delta R.T. 0.001 min
Lab File: VN070449.D
Acq: 3 Jan 2022 20:14

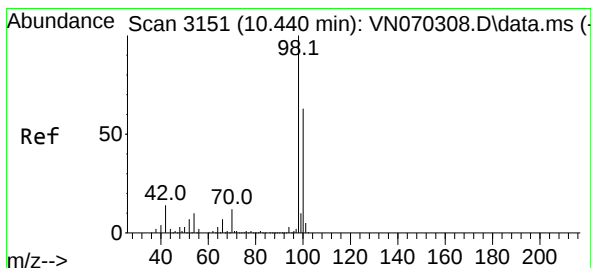
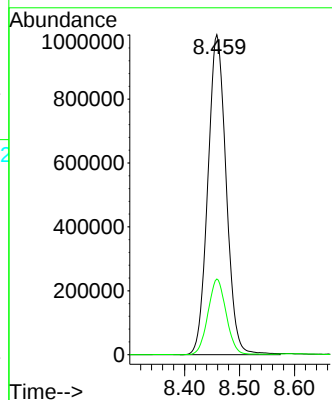
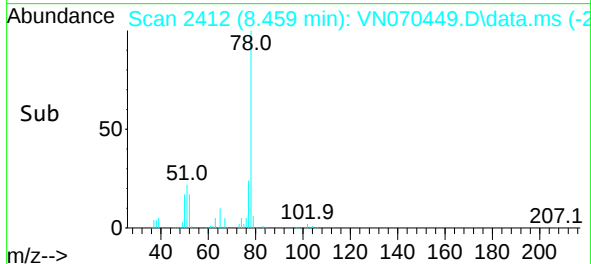
Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 78 Resp: 2321639
Ion Ratio Lower Upper
78 100
77 23.6 18.6 27.8

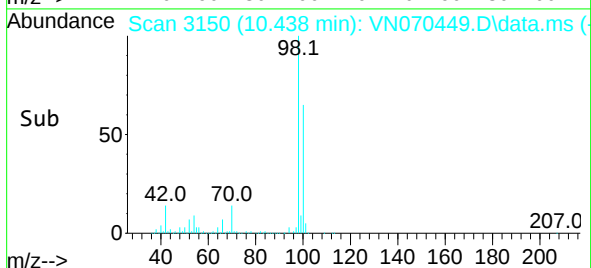
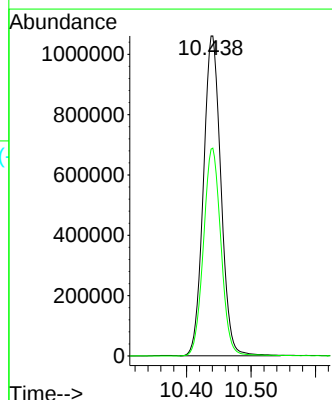
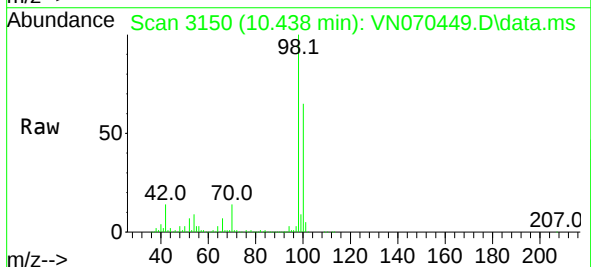
Manual Integrations
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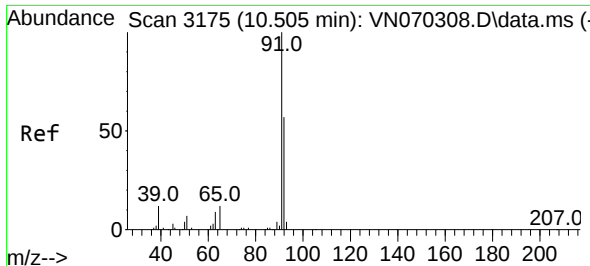
Reviewed By :John Carlone 01/04/2022
Supervised By :Mahesh Dadoda 01/04/2022



#50
Toluene-d8
Concen: 48.288 ug/l
RT: 10.438 min Scan# 3150
Delta R.T. -0.002 min
Lab File: VN070449.D
Acq: 3 Jan 2022 20:14

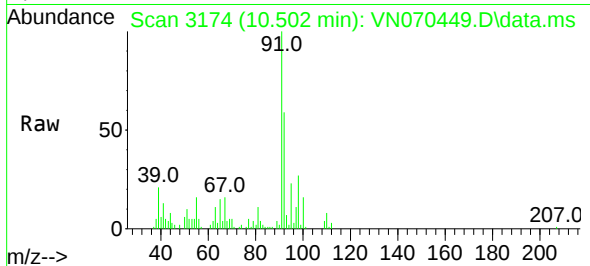
Tgt Ion: 98 Resp: 1998430
Ion Ratio Lower Upper
98 100
100 64.8 50.4 75.6





#52
Toluene
Concen: 0.861 ug/l
RT: 10.502 min Scan# 3175
Delta R.T. -0.003 min
Lab File: VN070449.D
Acq: 3 Jan 2022 20:14

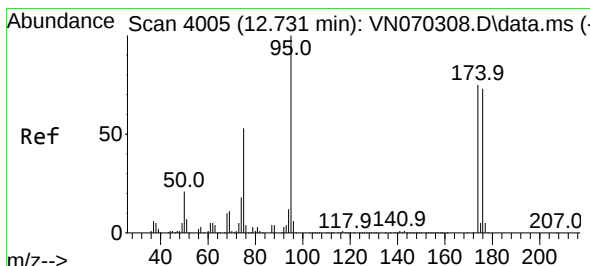
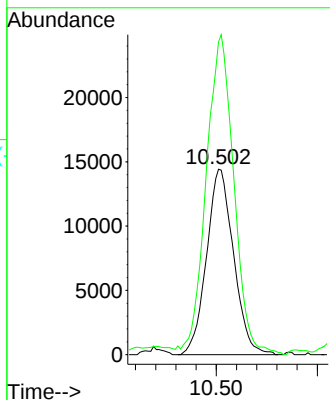
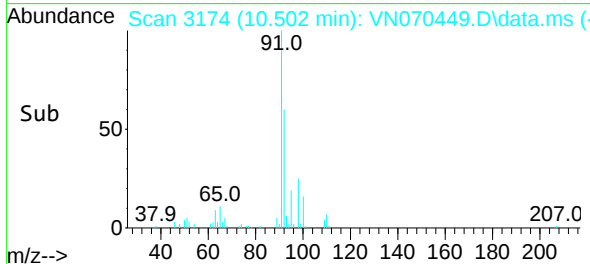
Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 92 Resp: 26790
Ion Ratio Lower Upper
92 100
91 177.1 142.0 213.0

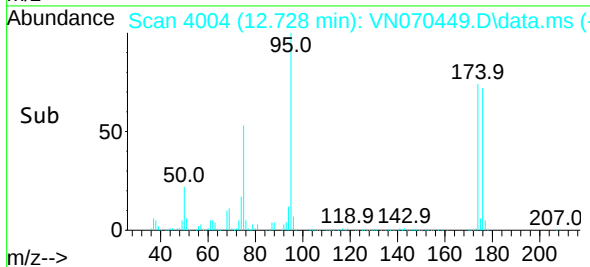
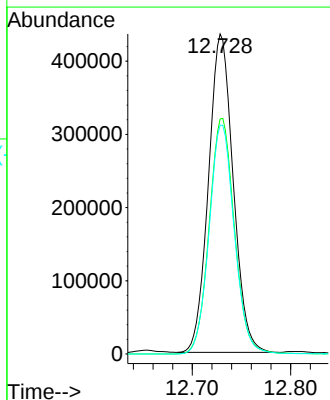
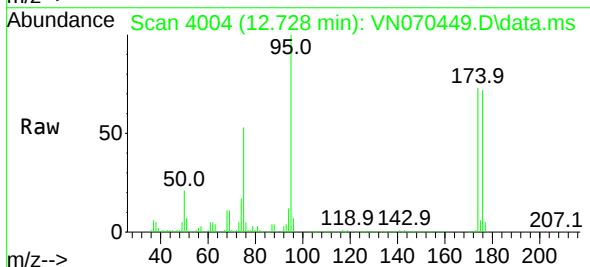
Manual Integrations
APPROVED

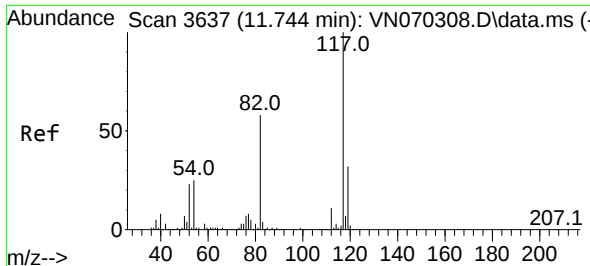
Reviewed By :John Carlone 01/04/2022
Supervised By :Mahesh Dadoda 01/04/2022



#62
4-Bromofluorobenzene
Concen: 50.811 ug/l
RT: 12.728 min Scan# 4004
Delta R.T. -0.003 min
Lab File: VN070449.D
Acq: 3 Jan 2022 20:14

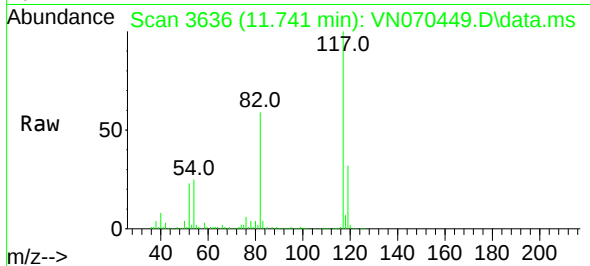
Tgt Ion: 95 Resp: 759513
Ion Ratio Lower Upper
95 100
174 75.6 0.0 187.2
176 73.5 0.0 181.4





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.741 min Scan# 3637
Delta R.T. -0.003 min
Lab File: VN070449.D
Acq: 3 Jan 2022 20:14

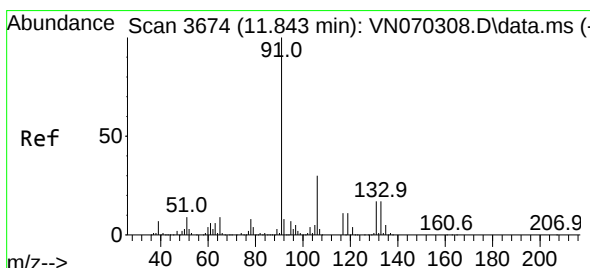
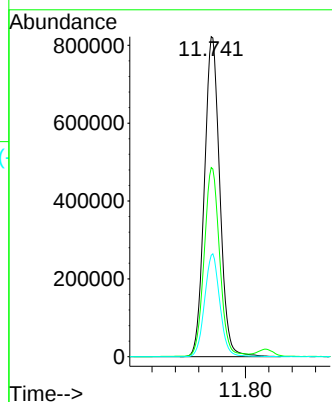
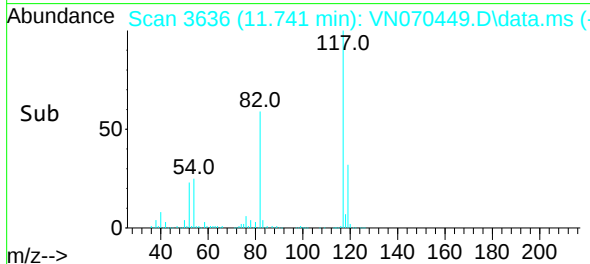
Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 117 Resp: 1502459
Ion Ratio Lower Upper
117 100
82 59.0 42.4 63.6
119 31.7 25.4 38.2

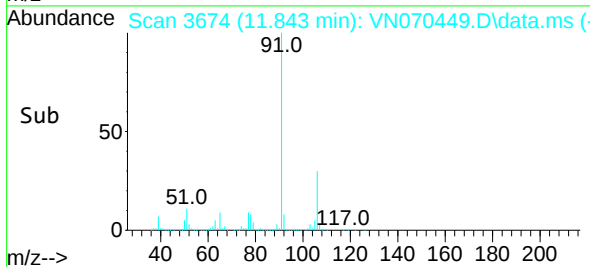
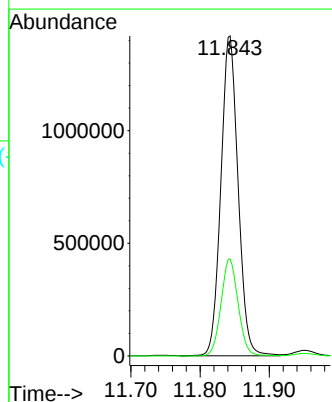
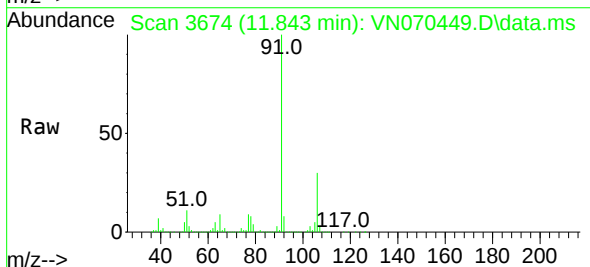
Manual Integrations
APPROVED

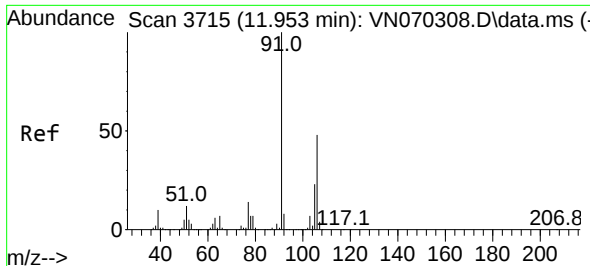
Reviewed By :John Carlone 01/04/2022
Supervised By :Mahesh Dadoda 01/04/2022



#67
Ethyl Benzene
Concen: 41.966 ug/l
RT: 11.843 min Scan# 3674
Delta R.T. 0.000 min
Lab File: VN070449.D
Acq: 3 Jan 2022 20:14

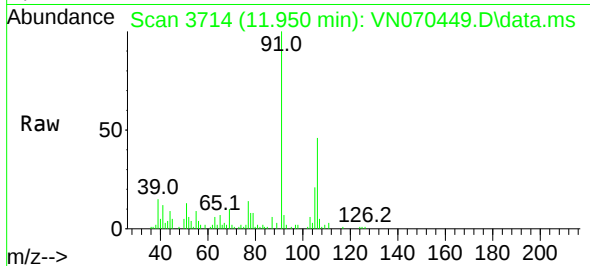
Tgt Ion: 91 Resp: 2451240
Ion Ratio Lower Upper
91 100
106 30.4 25.7 38.5





#68
m/p-Xylenes
Concen: 1.104 ug/l
RT: 11.950 min Scan# 3714
Delta R.T. -0.003 min
Lab File: VN070449.D
Acq: 3 Jan 2022 20:14

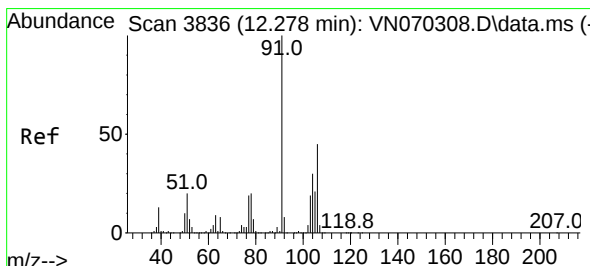
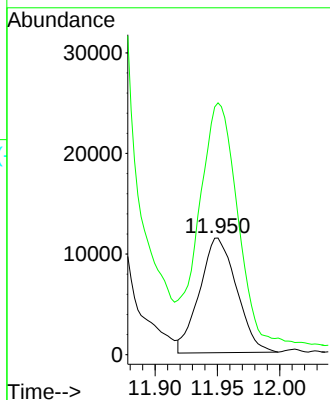
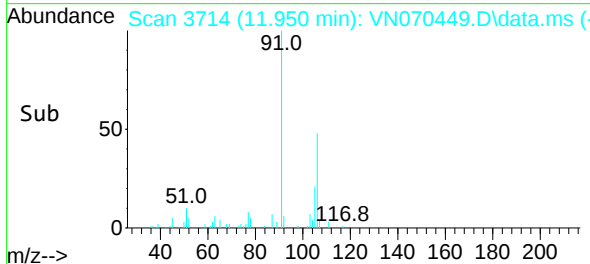
Instrument :
MSVOA_N
ClientSampleId :



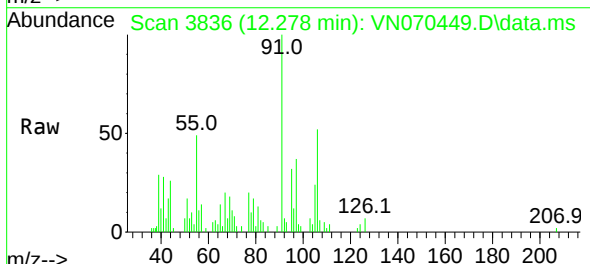
Tgt Ion:106 Resp: 23469
Ion Ratio Lower Upper
106 100
91 0.0 160.6 240.8

Manual Integrations
APPROVED

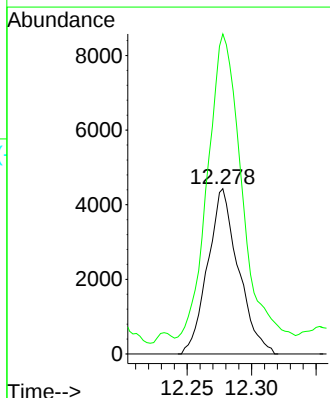
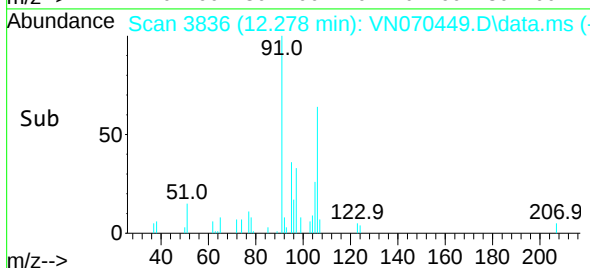
Reviewed By :John Carlone 01/04/2022
Supervised By :Mahesh Dadoda 01/04/2022

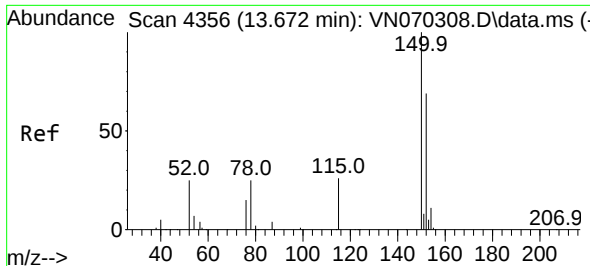


#69
o-Xylene
Concen: 0.347 ug/l
RT: 12.278 min Scan# 3836
Delta R.T. -0.000 min
Lab File: VN070449.D
Acq: 3 Jan 2022 20:14



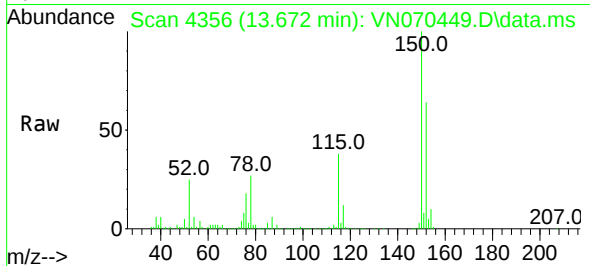
Tgt Ion:106 Resp: 7335
Ion Ratio Lower Upper
106 100
91 200.7 105.8 317.3





#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.672 min Scan# 4356
Delta R.T. 0.000 min
Lab File: VN070449.D
Acq: 3 Jan 2022 20:14

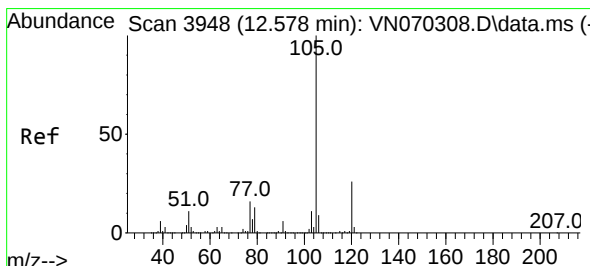
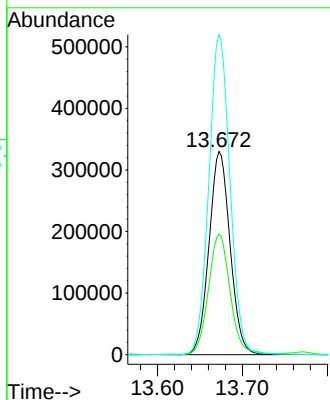
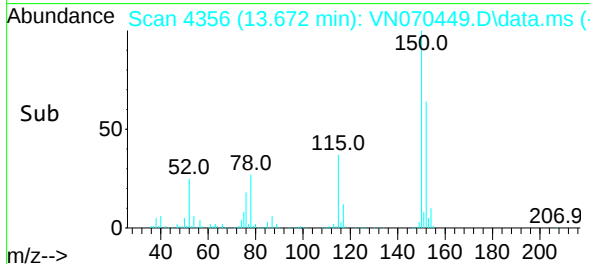
Instrument :
MSVOA_N
ClientSampleId :



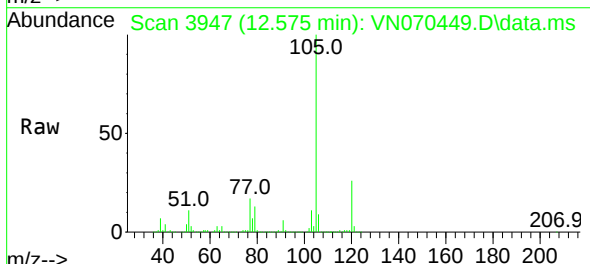
Tgt Ion:152 Resp: 569009
Ion Ratio Lower Upper
152 100
115 60.6 27.5 82.5
150 157.9 0.0 344.4

Manual Integrations
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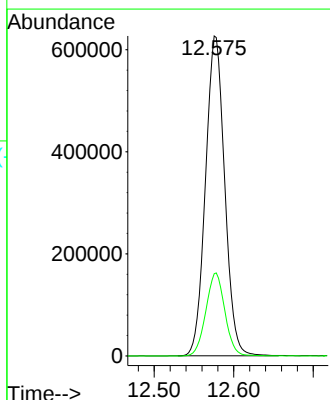
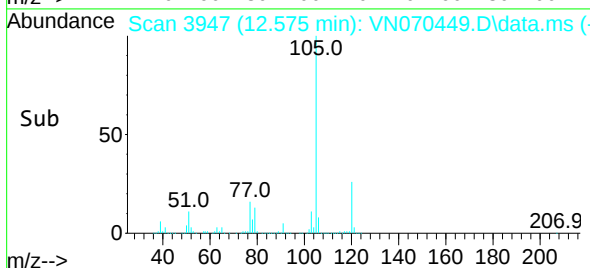
Reviewed By :John Carlone 01/04/2022
Supervised By :Mahesh Dadoda 01/04/2022

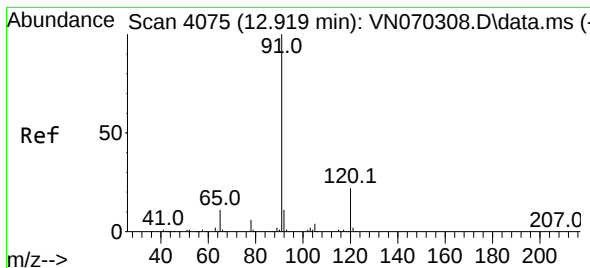


#73
Isopropylbenzene
Concen: 19.896 ug/l
RT: 12.575 min Scan# 3947
Delta R.T. -0.003 min
Lab File: VN070449.D
Acq: 3 Jan 2022 20:14



Tgt Ion:105 Resp: 1051309
Ion Ratio Lower Upper
105 100
120 25.7 13.4 40.1





#78

n-propylbenzene

Concen: 12.899 ug/l

RT: 12.919 min Scan# 4075

Delta R.T. -0.000 min

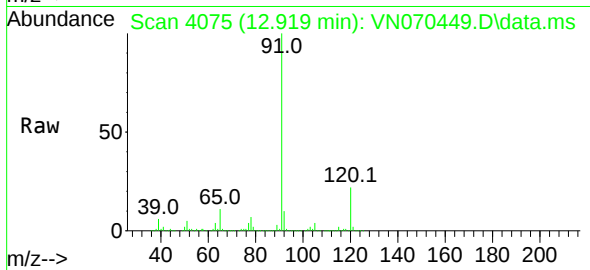
Lab File: VN070449.D

Acq: 3 Jan 2022 20:14

Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion: 91 Resp: 75516

Ion Ratio Lower Upper

91 100

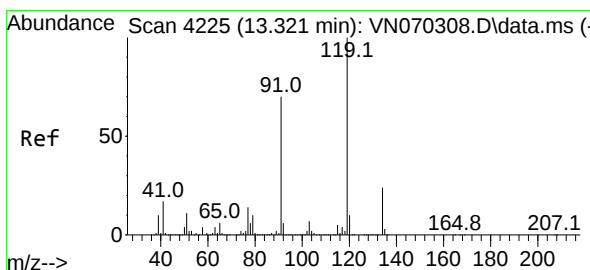
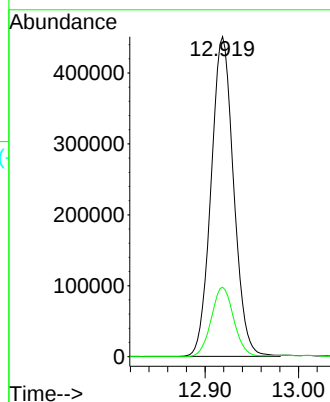
120 21.8 11.9 35.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/04/2022

Supervised By :Mahesh Dadoda 01/04/2022



#83

tert-Butylbenzene

Concen: 0.764 ug/l

RT: 13.321 min Scan# 4225

Delta R.T. -0.000 min

Lab File: VN070449.D

Acq: 3 Jan 2022 20:14

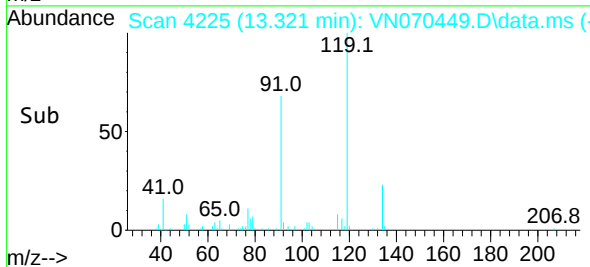
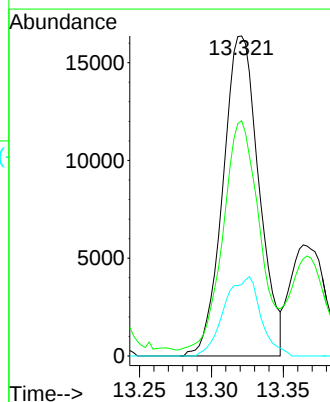
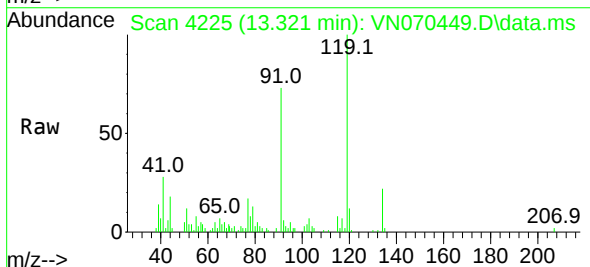
Tgt Ion:119 Resp: 28500

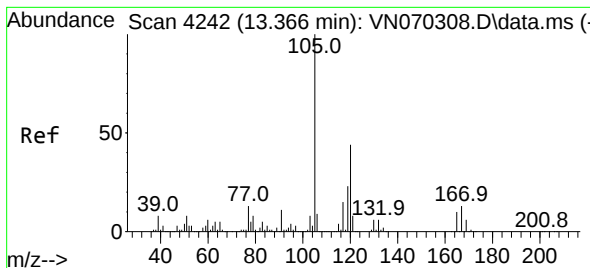
Ion Ratio Lower Upper

119 100

91 71.6 31.5 94.5

134 25.0 12.4 37.4





#84

1,2,4-Trimethylbenzene

Concen: 1.902 ug/l

RT: 13.367 min Scan# 4242

Delta R.T. 0.001 min

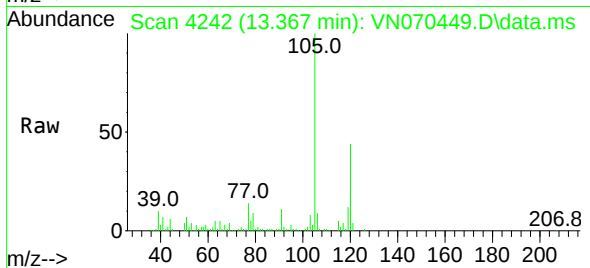
Lab File: VN070449.D

Acq: 3 Jan 2022 20:14

Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion:105 Resp: 77540

Ion Ratio Lower Upper

105 100

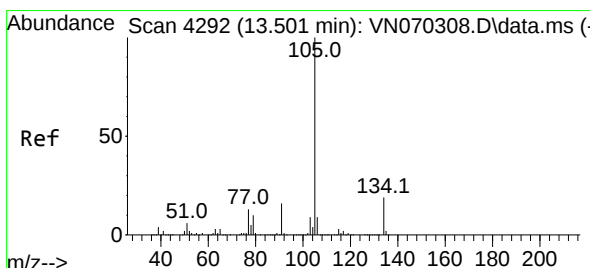
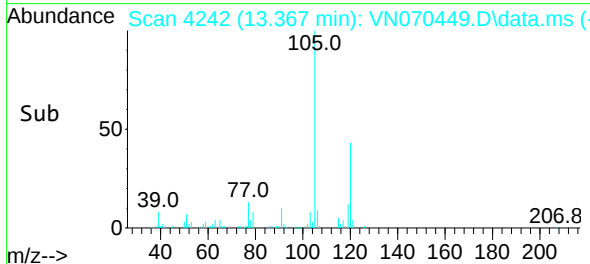
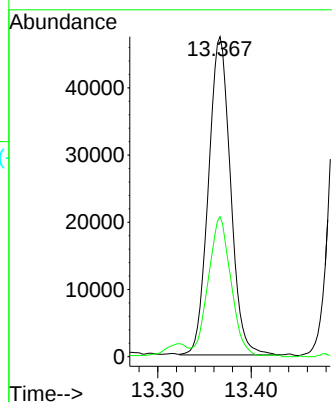
120 44.6 22.8 68.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/04/2022

Supervised By :Mahesh Dadoda 01/04/2022



#85

sec-Butylbenzene

Concen: 2.283 ug/l

RT: 13.501 min Scan# 4292

Delta R.T. -0.000 min

Lab File: VN070449.D

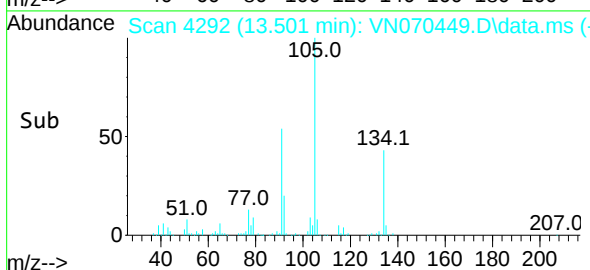
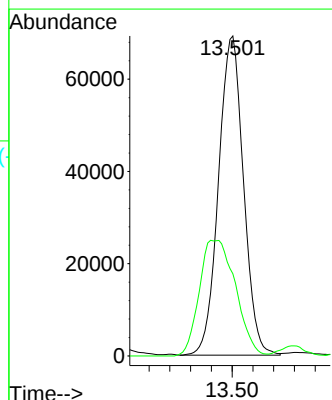
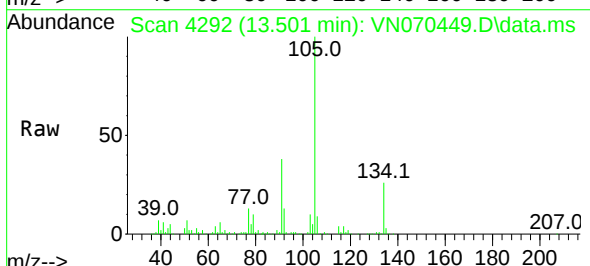
Acq: 3 Jan 2022 20:14

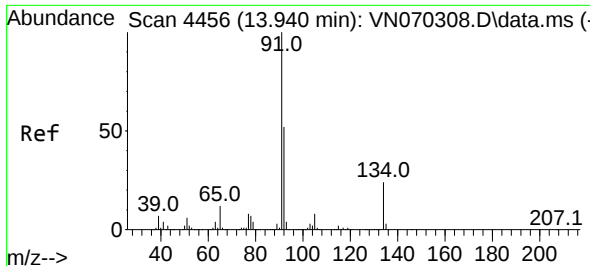
Tgt Ion:105 Resp: 115549

Ion Ratio Lower Upper

105 100

134 0.0 10.4 31.1#





#89

n-Butylbenzene

Concen: 0.714 ug/l m

RT: 13.930 min Scan# 44

Delta R.T. -0.010 min

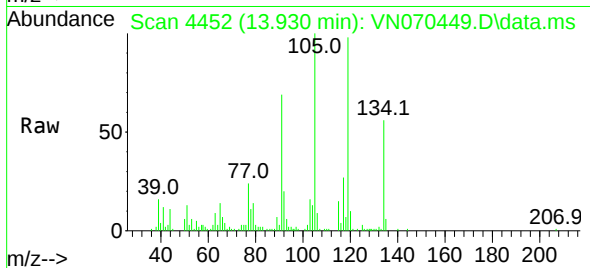
Lab File: VN070449.D

Acq: 3 Jan 2022 20:14

Instrument :

MSVOA_N

ClientSampleId :



Tgt Ion: 91	Resp: 2369
Ion Ratio	Lower Upper
91	100
92	22.0 25.4 76.0
134	395.0 13.6 40.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/04/2022

Supervised By :Mahesh Dadoda 01/04/2022

