

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011322\
 Data File : VN070608.D
 Acq On : 13 Jan 2022 13:42
 Operator : JC/MD
 Sample : N1150-01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 220112014-02-VOA

Manual Integrations
 APPROVED

Reviewed By : John Carlone 01/14/2022
 Supervised By : Mahesh Dadoda 01/14/2022

Quant Time: Jan 14 04:53:22 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	8.083	168	767558	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	1278330	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	1148572	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	438235	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.437	65	566087	51.294	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 102.580%			
35) Dibromofluoromethane	8.021	113	400808	51.821	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 103.640%			
50) Toluene-d8	10.440	98	1569551	49.675	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 99.360%			
62) 4-Bromofluorobenzene	12.731	95	608880	53.355	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 106.700%			
Target Compounds					Qvalue	
8) Diethyl Ether	3.824	74	11978	2.094	ug/l	81
11) Tert butyl alcohol	5.374	59	5330360	2900.794	ug/l	98
16) Acetone	4.293	43	21159	2.953	ug/l #	88
17) Carbon Disulfide	4.524	76	4648m	0.218	ug/l	
18) Methyl Acetate	4.862	43	12741	0.615	ug/l #	72
19) Methyl tert-butyl Ether	5.618	73	74196	2.556	ug/l	95
25) 2-Butanone	7.319	43	314239	34.836	ug/l #	72
29) Tetrahydrofuran	7.686	42	1281430	238.099	ug/l	87
30) Chloroform	7.817	83	5862	0.339	ug/l	95
40) Benzene	8.456	78	39391	1.004	ug/l	96
49) 1,4-Dioxane	9.566	88	17743	97.182	ug/l #	63
51) 4-Methyl-2-Pentanone	10.330	43	84508	5.143	ug/l	92
52) Toluene	10.505	92	16873	0.711	ug/l	92
65) Chlorobenzene	11.768	112	14473	0.594	ug/l	99
68) m/p-Xylenes	11.948	106	35528	2.186	ug/l	96
69) o-Xylene	12.280	106	26158	1.618	ug/l	88
80) 1,3,5-Trimethylbenzene	13.055	105	8703	0.267	ug/l	95
84) 1,2,4-Trimethylbenzene	13.366	105	27122	0.864	ug/l	98
88) 1,4-Dichlorobenzene	13.694	146	45770	2.967	ug/l	87
91) 1,2-Dichlorobenzene	13.986	146	5610	0.366	ug/l	92
93) 1,2,4-Trichlorobenzene	15.262	180	4161	0.576	ug/l	94
95) Naphthalene	15.507	128	31808	3.333	ug/l	98
96) 1,2,3-Trichlorobenzene	15.702	180	5259	1.574	ug/l	89

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

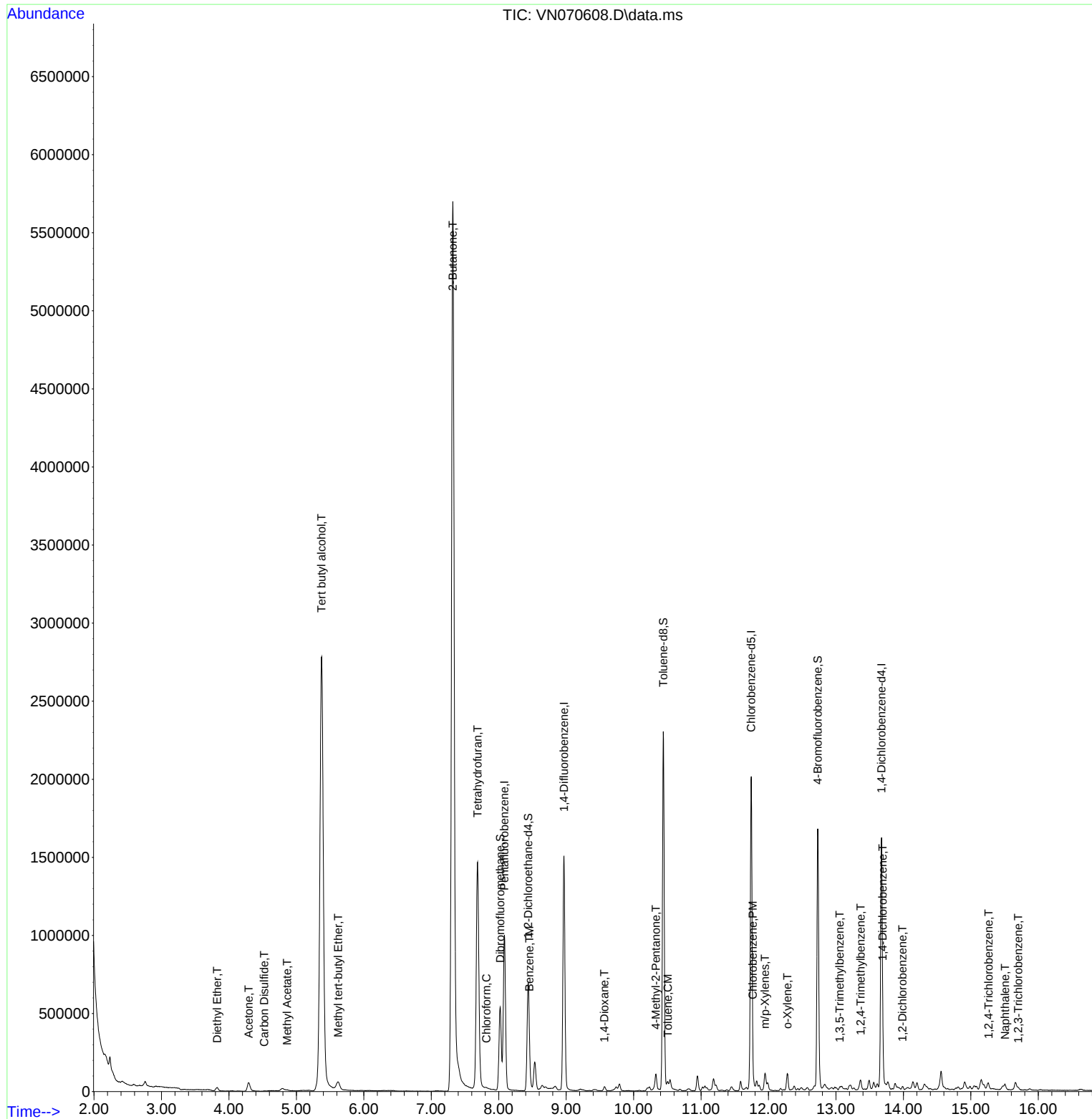
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011322\
Data File : VN070608.D
Acq On : 13 Jan 2022 13:42
Operator : JC/MD
Sample : N1150-01
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

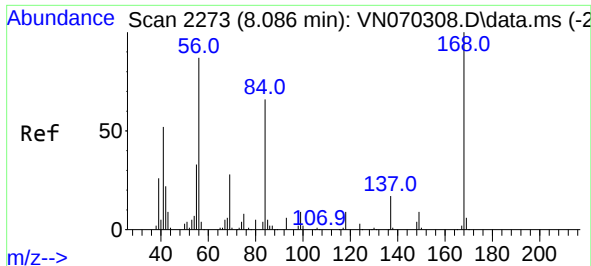
Instrument :
MSVOA_N
ClientSampleId :
220112014-02-VOA

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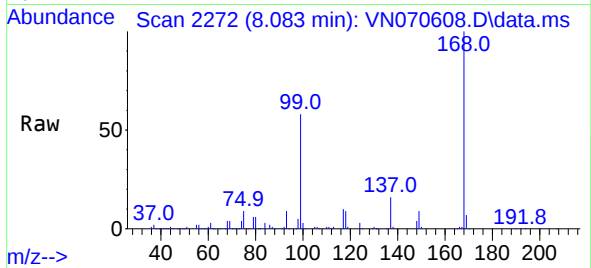
Quant Time: Jan 14 04:53:22 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122721W.M
Quant Title : SW846 8260
QLast Update : Mon Dec 27 18:47:12 2021
Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.083 min Scan# 21
Delta R.T. -0.003 min
Lab File: VN070608.D
Acq: 13 Jan 2022 13:42

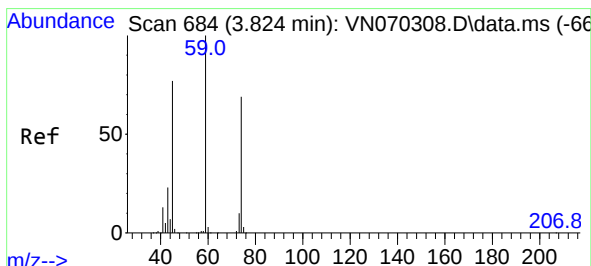
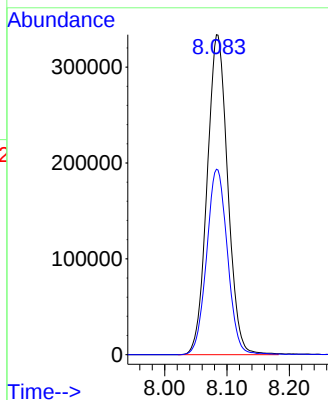
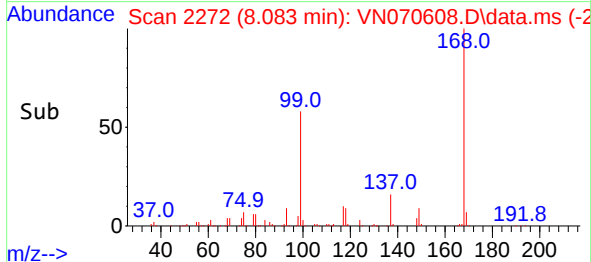
Instrument :
MSVOA_N
ClientSampleId :
220112014-02-VOA



Tgt Ion:168 Resp: 767558
Ion Ratio Lower Upper
168 100
99 58.0 41.3 61.9

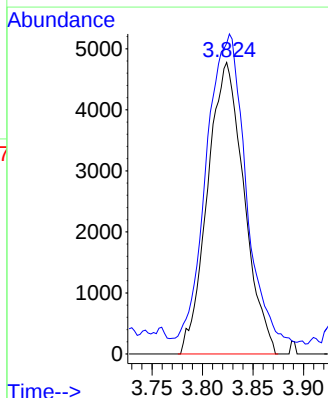
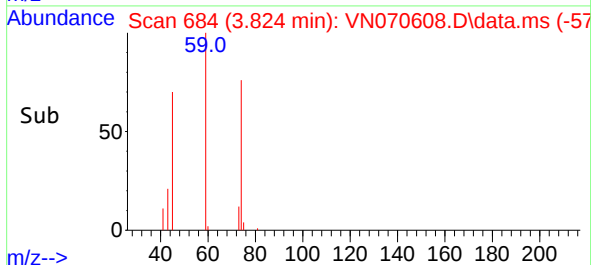
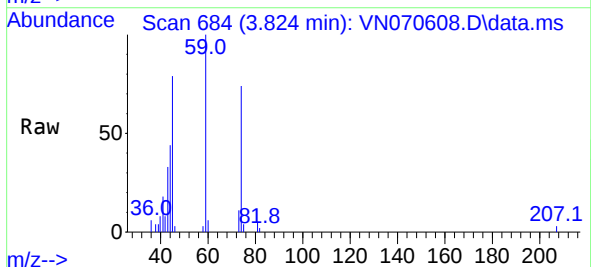
Manual Integrations
APPROVED

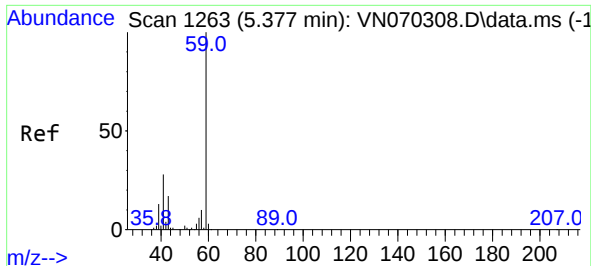
Reviewed By :John Carlone 01/14/2022
Supervised By :Mahesh Dadoda 01/14/2022



#8
Diethyl Ether
Concen: 2.094 ug/l
RT: 3.824 min Scan# 684
Delta R.T. -0.000 min
Lab File: VN070608.D
Acq: 13 Jan 2022 13:42

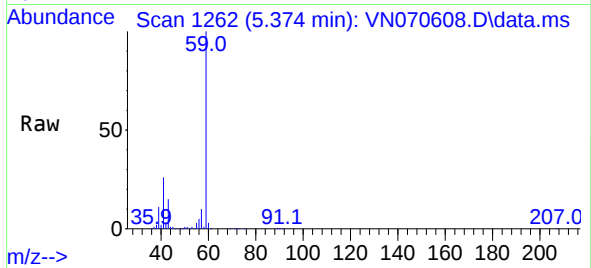
Tgt Ion: 74 Resp: 11978
Ion Ratio Lower Upper
74 100
45 112.8 47.0 141.2





#11
Tert butyl alcohol
Concen: 2900.794 ug/l
RT: 5.374 min Scan# 11
Delta R.T. -0.003 min
Lab File: VN070608.D
Acq: 13 Jan 2022 13:42

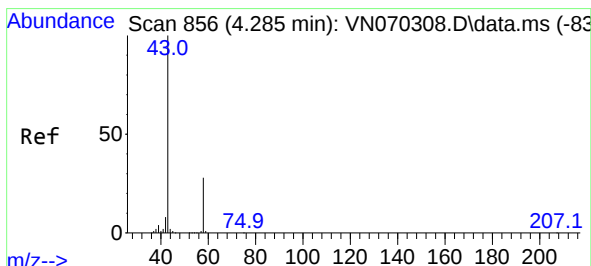
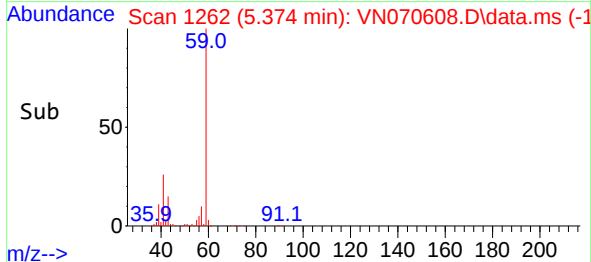
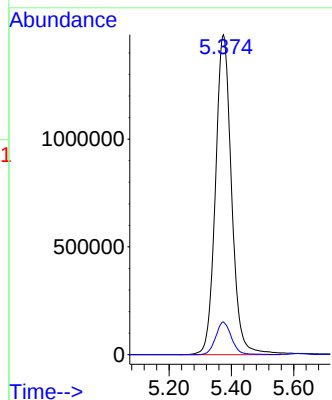
Instrument :
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Tgt Ion: 59 Resp: 5330360
Ion Ratio Lower Upper
59 100
57 10.1 8.7 13.1

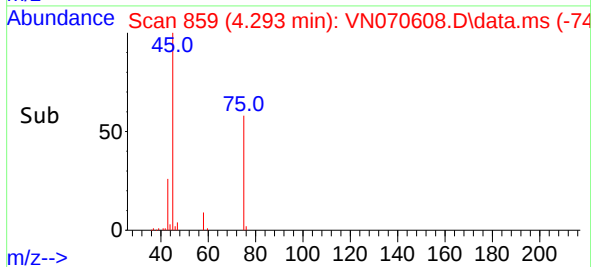
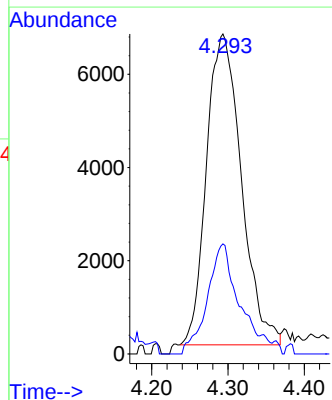
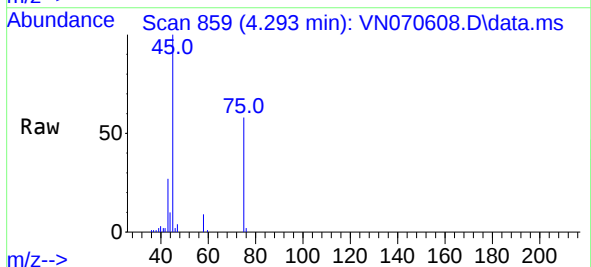
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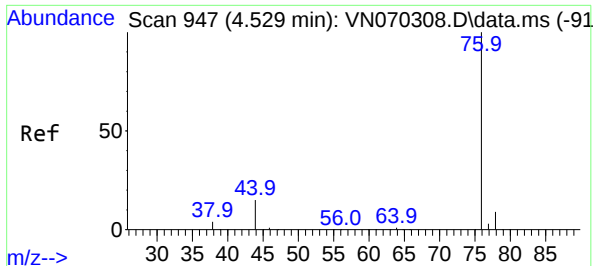
Reviewed By :John Carlone 01/14/2022
Supervised By :Mahesh Dadoda 01/14/2022



#16
Acetone
Concen: 2.953 ug/l
RT: 4.293 min Scan# 859
Delta R.T. 0.008 min
Lab File: VN070608.D
Acq: 13 Jan 2022 13:42

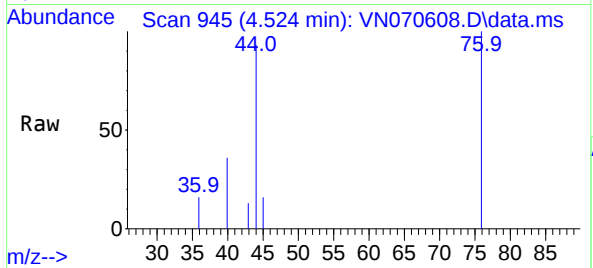
Tgt Ion: 43 Resp: 21159
Ion Ratio Lower Upper
43 100
58 35.4 23.1 34.7#





#17
Carbon Disulfide
Concen: 0.218 ug/l m
RT: 4.524 min Scan# 947
Delta R.T. -0.005 min
Lab File: VN070608.D
Acq: 13 Jan 2022 13:42

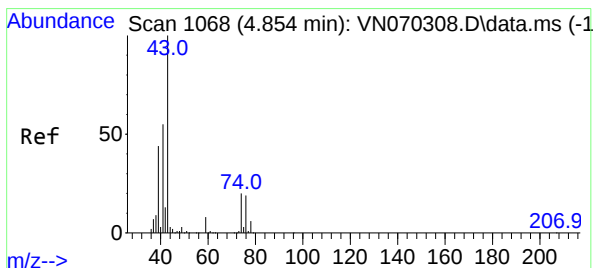
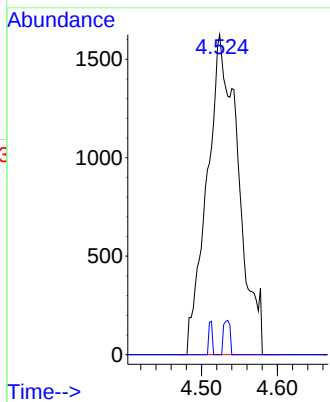
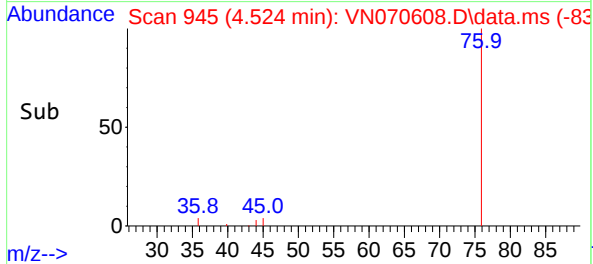
Instrument :
MSVOA_N
ClientSampleId :
220112014-02-VOA



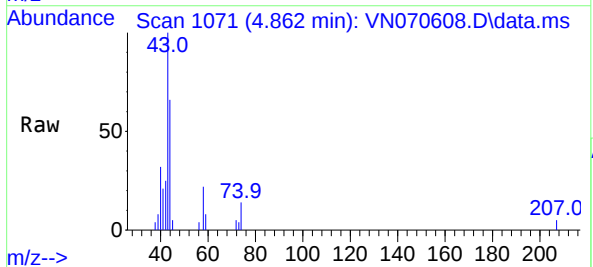
Tgt Ion: 76 Resp: 4648
Ion Ratio Lower Upper
76 100
78 0.0 7.5 11.3#

Manual Integrations
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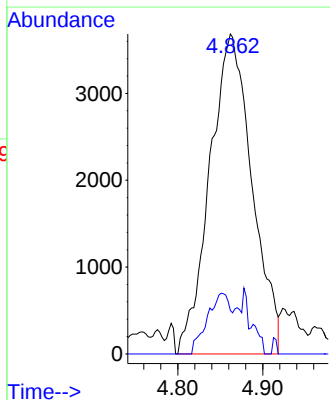
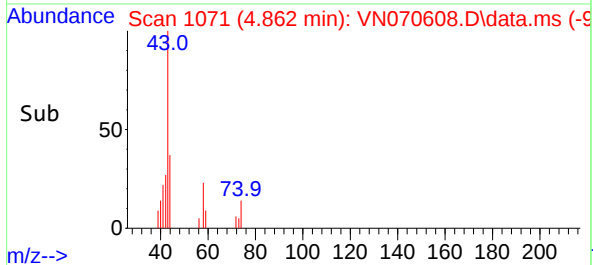
Reviewed By :John Carlone 01/14/2022
Supervised By :Mahesh Dadoda 01/14/2022

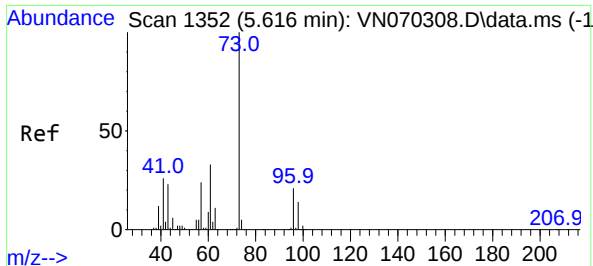


#18
Methyl Acetate
Concen: 0.615 ug/l
RT: 4.862 min Scan# 1071
Delta R.T. 0.008 min
Lab File: VN070608.D
Acq: 13 Jan 2022 13:42



Tgt Ion: 43 Resp: 12741
Ion Ratio Lower Upper
43 100
74 10.5 19.4 29.2#





#19

Methyl tert-butyl Ether

Concen: 2.556 ug/l

RT: 5.618 min Scan# 11

Delta R.T. 0.002 min

Lab File: VN070608.D

Acq: 13 Jan 2022 13:42

Instrument :

MSVOA_N

ClientSampleId :

220112014-02-VOA

Tgt Ion: 73 Resp: 74190

Ion Ratio Lower Upper

73 100

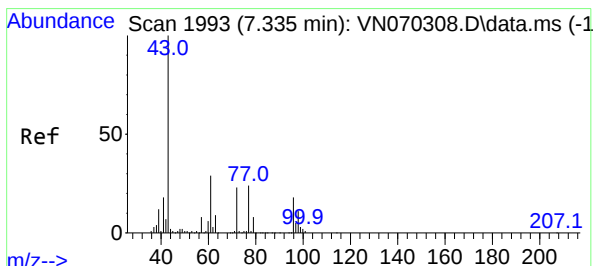
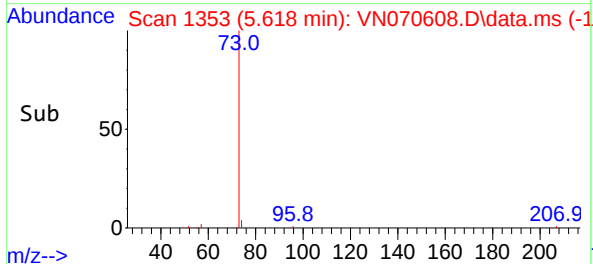
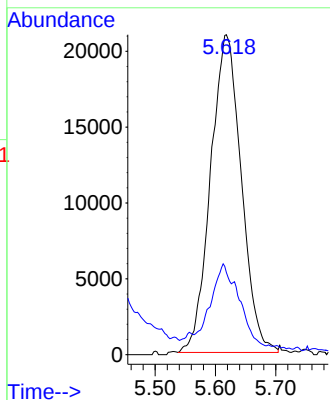
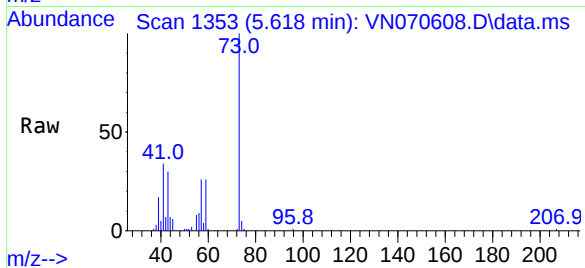
57 23.2 16.8 25.2

Manual Integrations

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#25

2-Butanone

Concen: 34.836 ug/l

RT: 7.319 min Scan# 1987

Delta R.T. -0.016 min

Lab File: VN070608.D

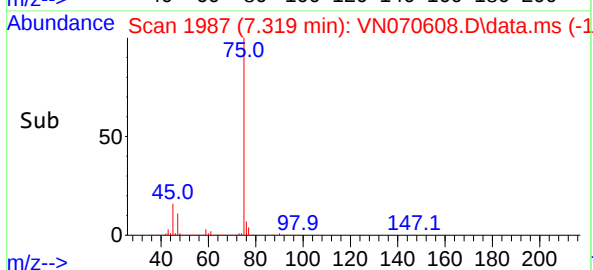
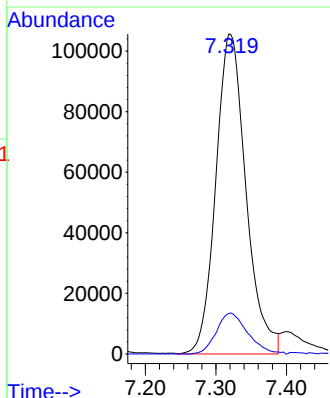
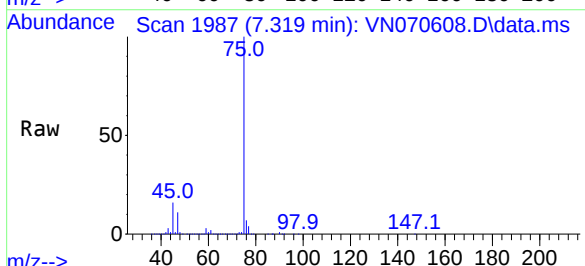
Acq: 13 Jan 2022 13:42

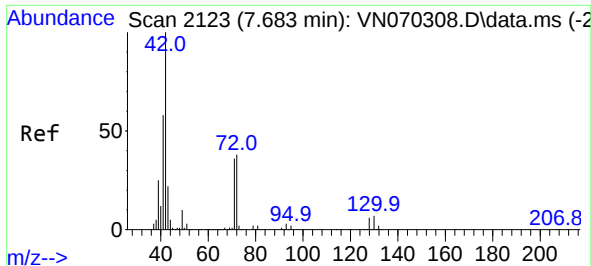
Tgt Ion: 43 Resp: 314239

Ion Ratio Lower Upper

43 100

72 12.7 21.7 32.5#





#29

Tetrahydrofuran

Concen: 238.099 ug/l

RT: 7.686 min Scan# 2123

Delta R.T. 0.003 min

Lab File: VN070608.D

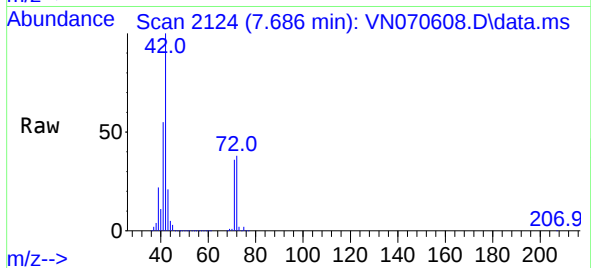
Acq: 13 Jan 2022 13:42

Instrument :

MSVOA_N

ClientSampleId :

220112014-02-VOA



Tgt Ion: 42 Resp: 1281430

Ion Ratio Lower Upper

42 100

72 37.2 36.3 54.5

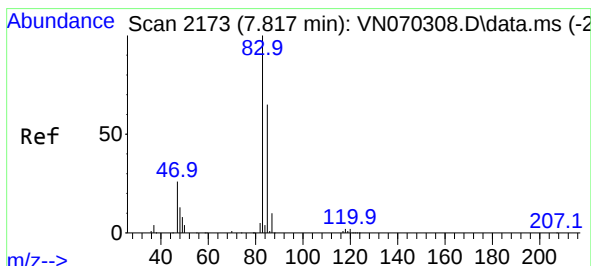
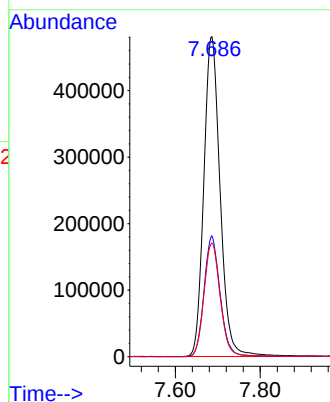
71 35.3 34.7 52.1

Manual Integrations

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#30

Chloroform

Concen: 0.339 ug/l

RT: 7.817 min Scan# 2173

Delta R.T. 0.000 min

Lab File: VN070608.D

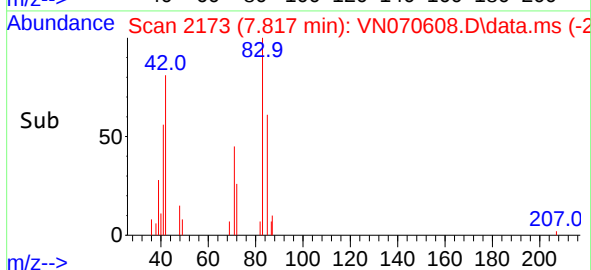
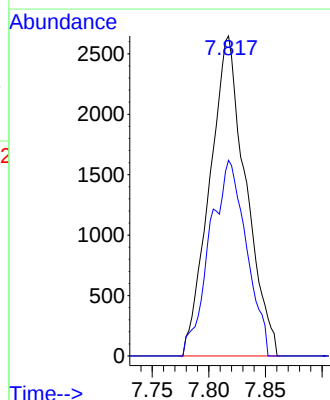
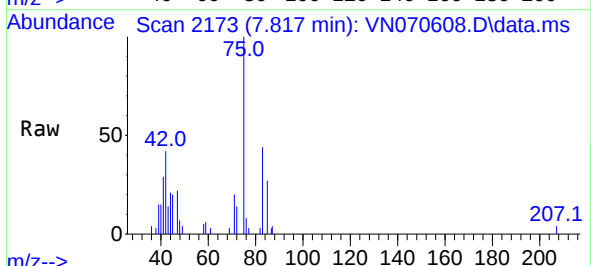
Acq: 13 Jan 2022 13:42

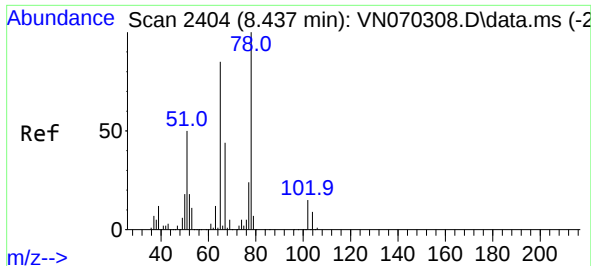
Tgt Ion: 83 Resp: 5862

Ion Ratio Lower Upper

83 100

85 61.2 51.9 77.9





#33

1,2-Dichloroethane-d4

Concen: 51.294 ug/l

RT: 8.437 min Scan# 2404

Delta R.T. -0.000 min

Lab File: VN070608.D

Acq: 13 Jan 2022 13:42

Instrument :

MSVOA_N

ClientSampleId :

220112014-02-VOA

Tgt Ion: 65 Resp: 56608

Ion Ratio Lower Upper

65 100

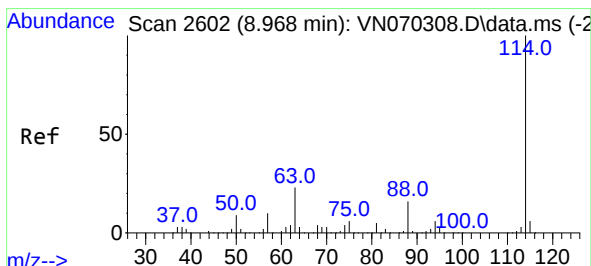
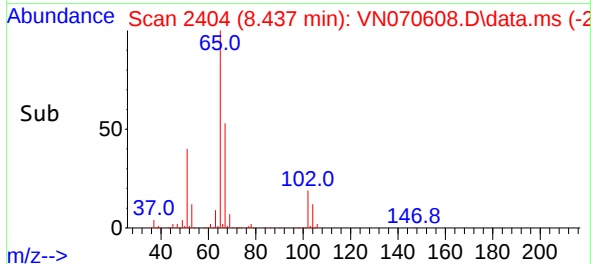
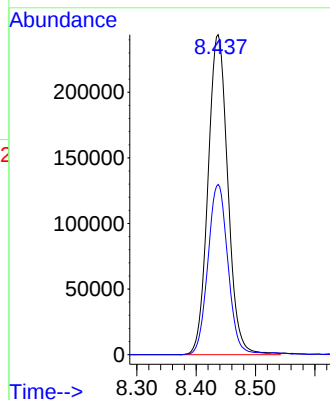
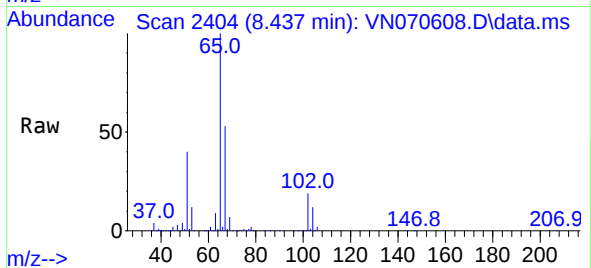
67 53.7 0.0 103.0

Manual Integrations

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Supervised By :Mahesh Dadoda 01/14/2022



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.968 min Scan# 2602

Delta R.T. -0.000 min

Lab File: VN070608.D

Acq: 13 Jan 2022 13:42

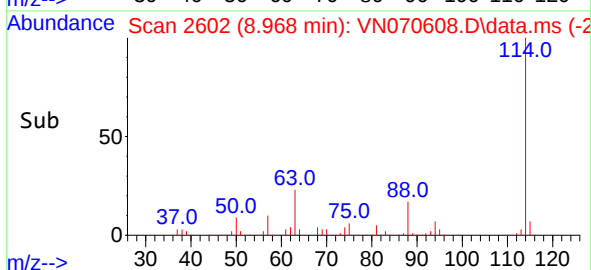
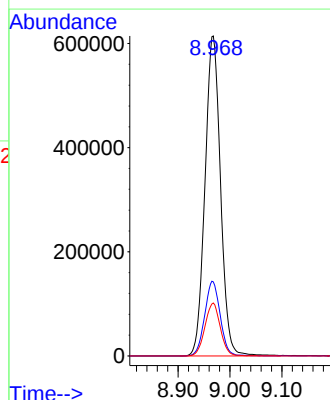
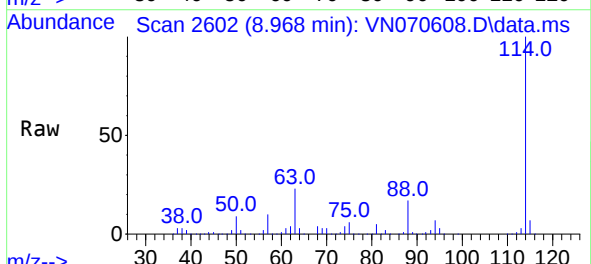
Tgt Ion:114 Resp: 1278330

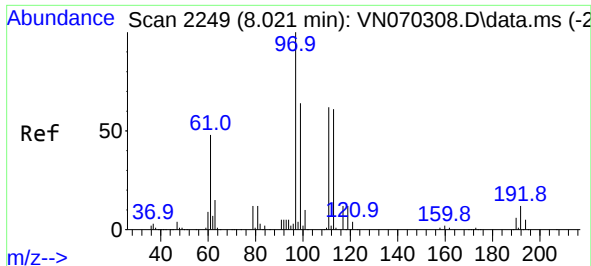
Ion Ratio Lower Upper

114 100

63 23.1 0.0 37.8

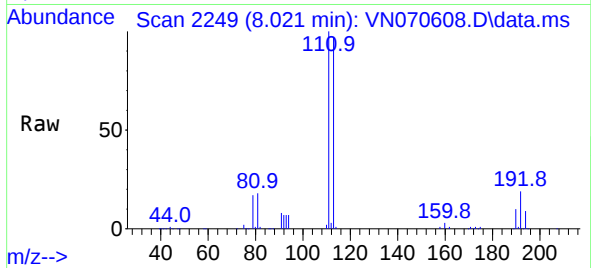
88 16.5 0.0 27.4





#35
Dibromofluoromethane
Concen: 51.821 ug/l
RT: 8.021 min Scan# 2111
Delta R.T. 0.000 min
Lab File: VN070608.D
Acq: 13 Jan 2022 13:42

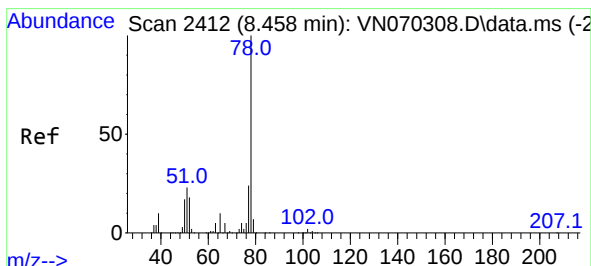
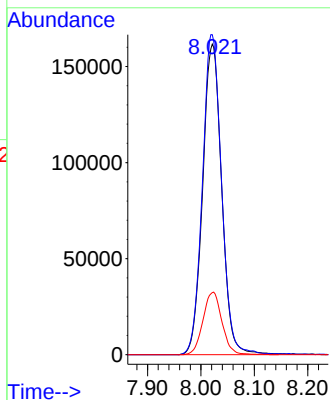
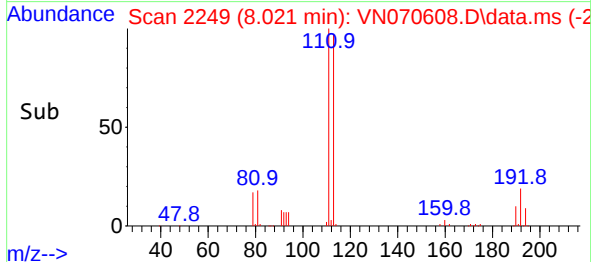
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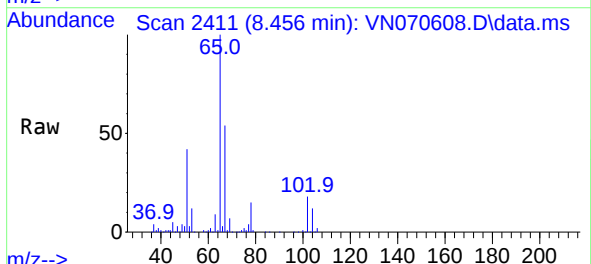
Tgt Ion:113 Resp: 400808
Ion Ratio Lower Upper
113 100
111 103.3 82.2 123.2
192 20.0 16.9 25.3

Manual Integrations
APPROVED

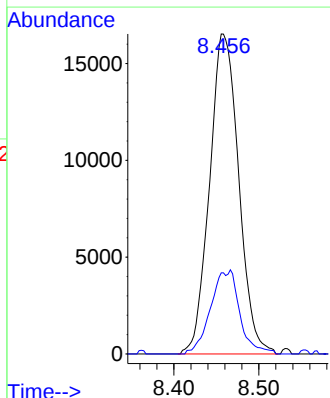
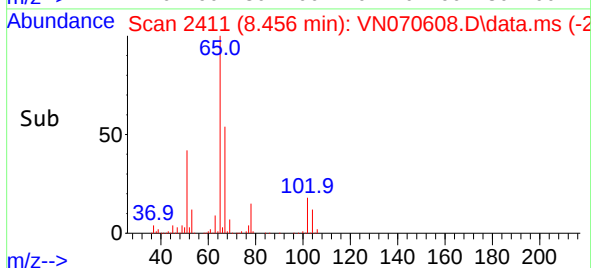
Reviewed By :John Carlone 01/14/2022
Supervised By :Mahesh Dadoda 01/14/2022

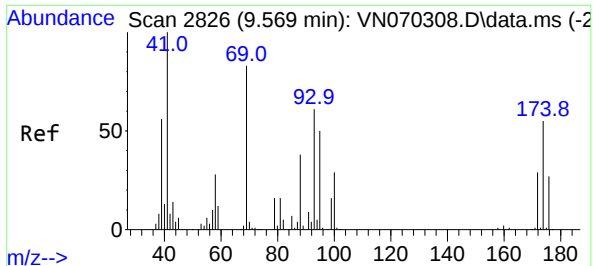


#40
Benzene
Concen: 1.004 ug/l
RT: 8.456 min Scan# 2411
Delta R.T. -0.002 min
Lab File: VN070608.D
Acq: 13 Jan 2022 13:42



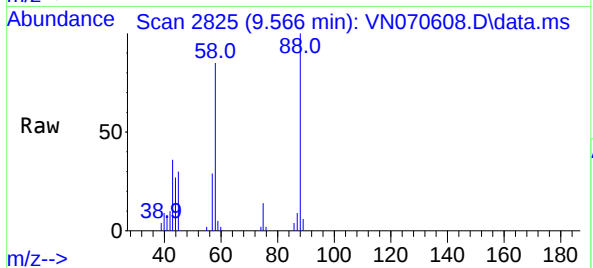
Tgt Ion: 78 Resp: 39391
Ion Ratio Lower Upper
78 100
77 25.3 18.6 27.8





#49
1,4-Dioxane
Concen: 97.182 ug/l
RT: 9.566 min Scan# 2826
Delta R.T. -0.003 min
Lab File: VN070608.D
Acq: 13 Jan 2022 13:42

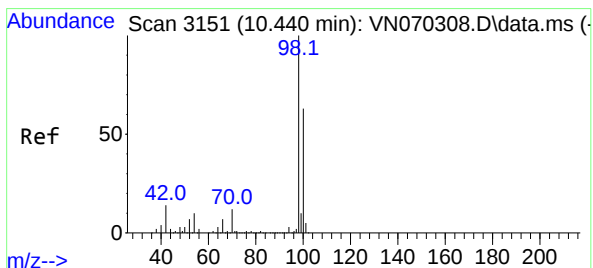
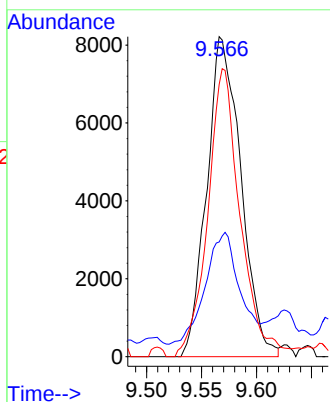
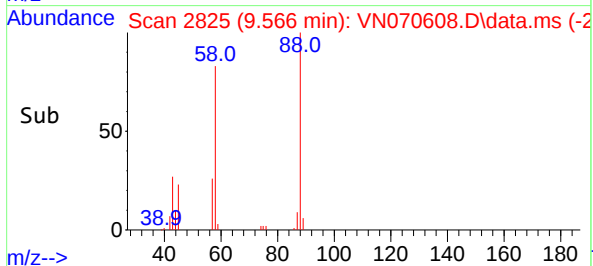
Instrument :
MSVOA_N
ClientSampleId :
220112014-02-VOA



Tgt Ion: 88 Resp: 1774
Ion Ratio Lower Upper
88 100
43 0.0 23.4 35.2
58 85.5 50.6 75.8

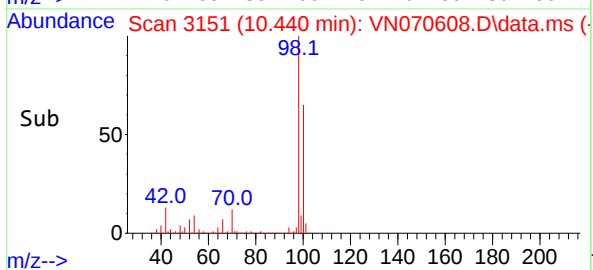
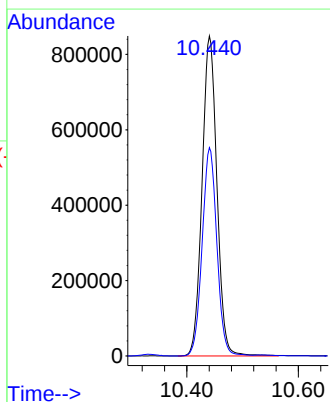
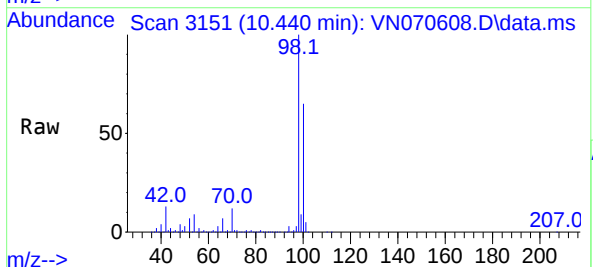
Manual Integrations
APPROVED

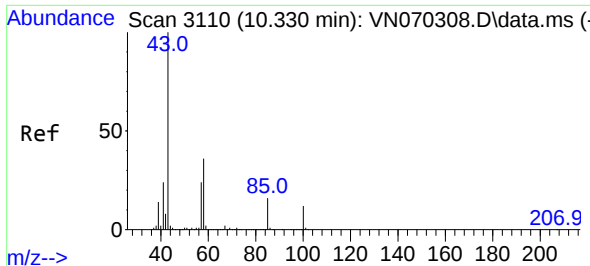
Reviewed By :John Carlone 01/14/2022
Supervised By :Mahesh Dadoda 01/14/2022



#50
Toluene-d8
Concen: 49.675 ug/l
RT: 10.440 min Scan# 3151
Delta R.T. 0.000 min
Lab File: VN070608.D
Acq: 13 Jan 2022 13:42

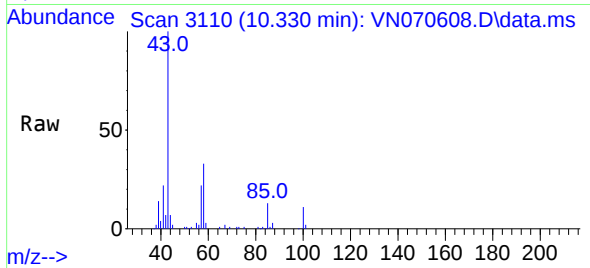
Tgt Ion: 98 Resp: 1569551
Ion Ratio Lower Upper
98 100
100 64.5 50.4 75.6





#51
4-Methyl-2-Pentanone
Concen: 5.143 ug/l
RT: 10.330 min Scan# 3110
Delta R.T. 0.000 min
Lab File: VN070608.D
Acq: 13 Jan 2022 13:42

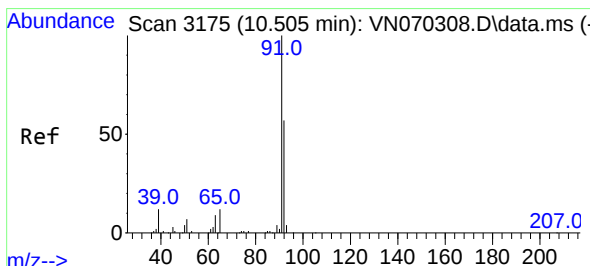
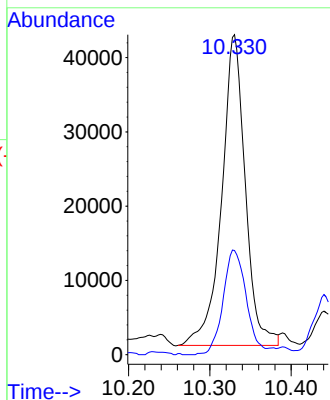
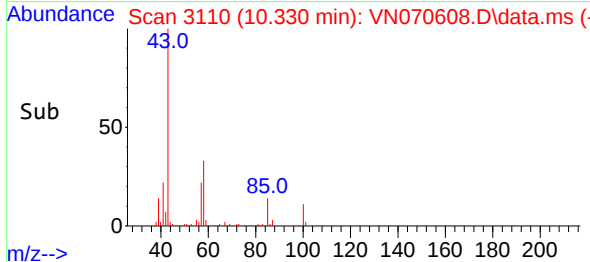
Instrument :
MSVOA_N
ClientSampleId :
220112014-02-VOA



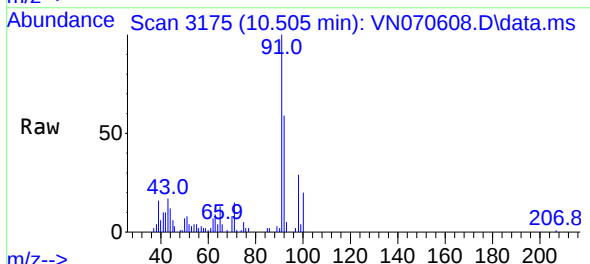
Tgt Ion: 43 Resp: 84508
Ion Ratio Lower Upper
43 100
58 33.1 30.4 45.6

Manual Integrations
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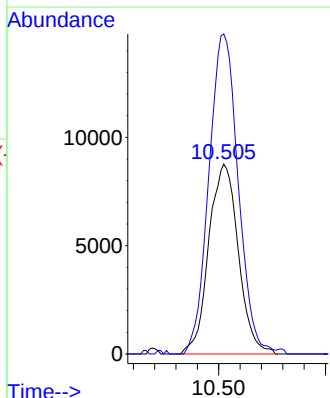
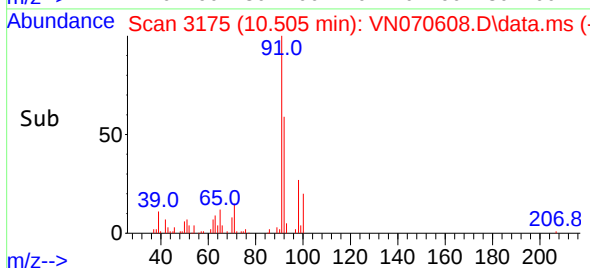
Reviewed By :John Carlone 01/14/2022
Supervised By :Mahesh Dadoda 01/14/2022

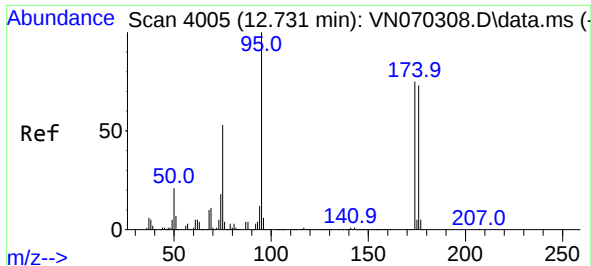


#52
Toluene
Concen: 0.711 ug/l
RT: 10.505 min Scan# 3175
Delta R.T. -0.000 min
Lab File: VN070608.D
Acq: 13 Jan 2022 13:42



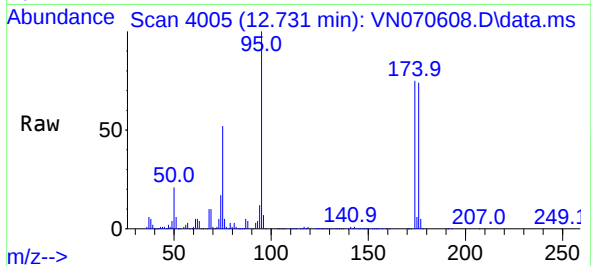
Tgt Ion: 92 Resp: 16873
Ion Ratio Lower Upper
92 100
91 166.9 142.0 213.0





#62
4-Bromofluorobenzene
Concen: 53.355 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.000 min
Lab File: VN070608.D
Acq: 13 Jan 2022 13:42

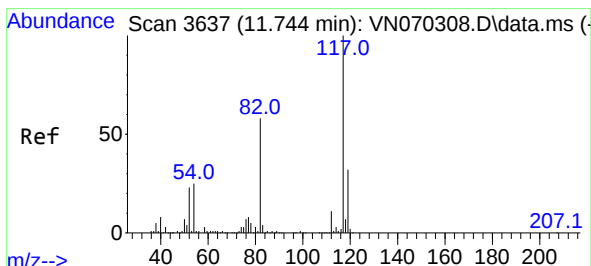
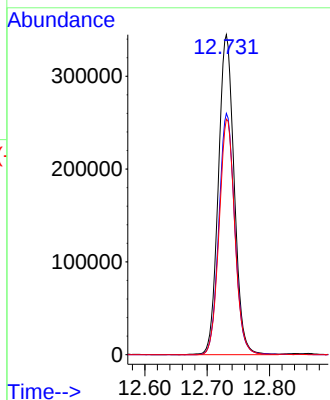
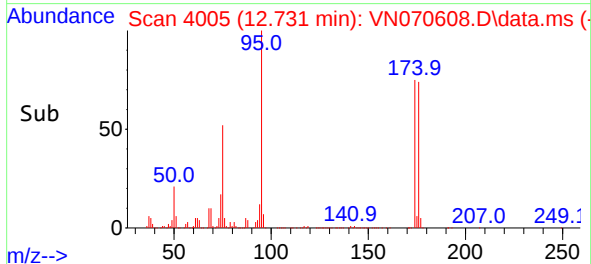
Instrument :
MSVOA_N
ClientSampleId :
220112014-02-VOA



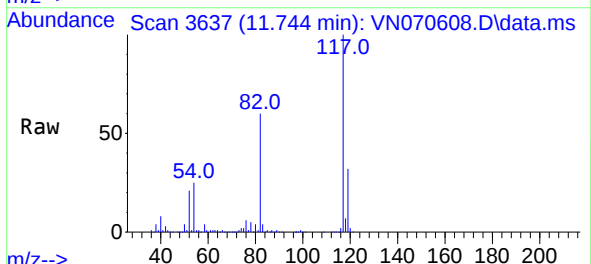
Tgt Ion: 95 Resp: 608880
Ion Ratio Lower Upper
95 100
174 75.3 0.0 187.2
176 72.8 0.0 181.4

Manual Integrations
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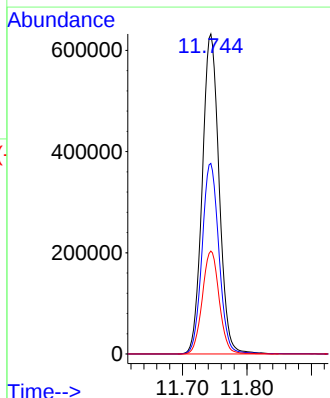
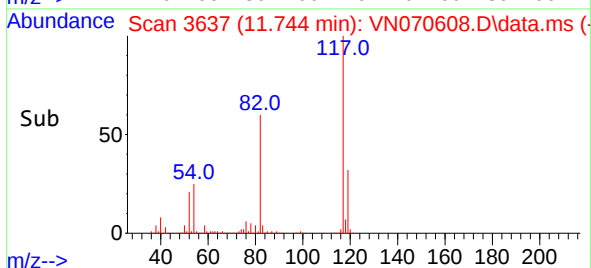
Reviewed By :John Carlone 01/14/2022
Supervised By :Mahesh Dadoda 01/14/2022

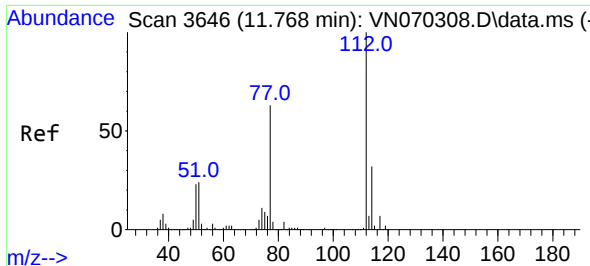


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.744 min Scan# 3637
Delta R.T. -0.000 min
Lab File: VN070608.D
Acq: 13 Jan 2022 13:42



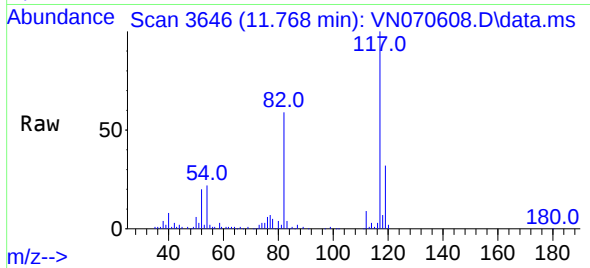
Tgt Ion:117 Resp: 1148572
Ion Ratio Lower Upper
117 100
82 59.5 42.4 63.6
119 32.1 25.4 38.2





#65
Chlorobenzene
Concen: 0.594 ug/l
RT: 11.768 min Scan# 30
Delta R.T. -0.000 min
Lab File: VN070608.D
Acq: 13 Jan 2022 13:42

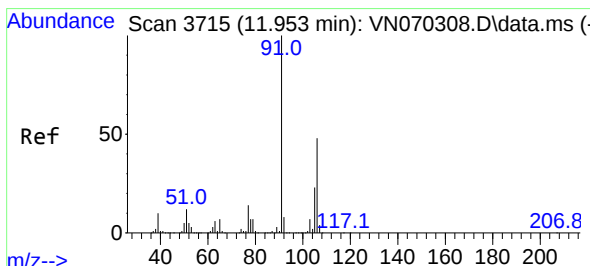
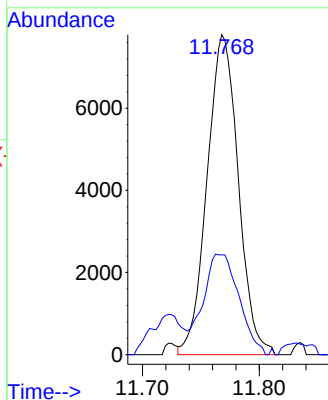
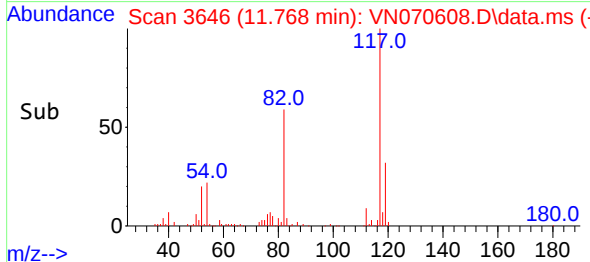
Instrument :
MSVOA_N
ClientSampleId :
220112014-02-VOA



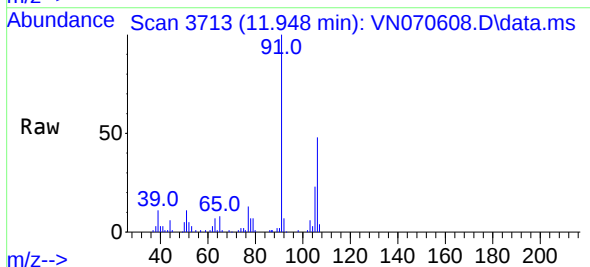
Tgt Ion:112 Resp: 1447
Ion Ratio Lower Upper
112 100
114 31.2 25.4 38.0

Manual Integrations
APPROVED

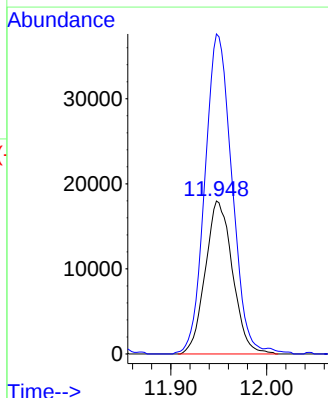
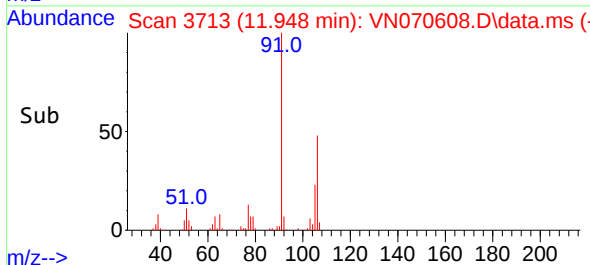
Reviewed By :John Carlone 01/14/2022
Supervised By :Mahesh Dadoda 01/14/2022

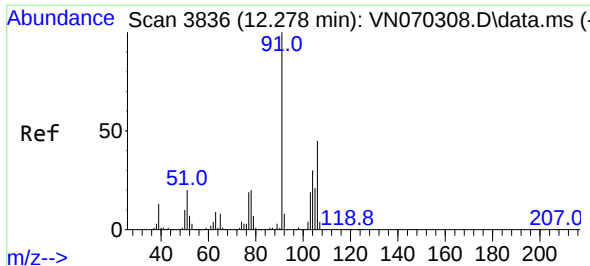


#68
m/p-Xylenes
Concen: 2.186 ug/l
RT: 11.948 min Scan# 3713
Delta R.T. -0.005 min
Lab File: VN070608.D
Acq: 13 Jan 2022 13:42



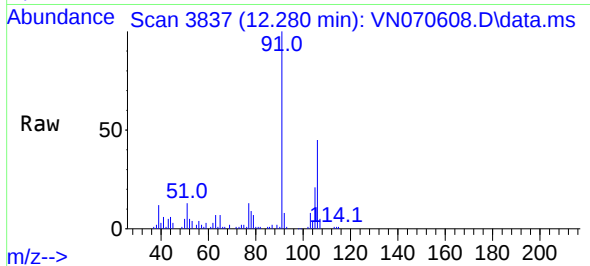
Tgt Ion:106 Resp: 35528
Ion Ratio Lower Upper
106 100
91 206.8 160.6 240.8





#69
o-Xylene
Concen: 1.618 ug/l
RT: 12.280 min Scan# 3836
Delta R.T. 0.002 min
Lab File: VN070608.D
Acq: 13 Jan 2022 13:42

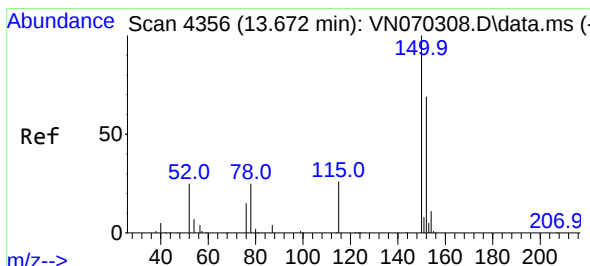
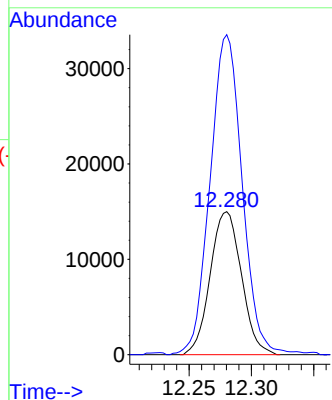
Instrument :
MSVOA_N
ClientSampleId :
220112014-02-VOA



Tgt Ion:106 Resp: 26158
Ion Ratio Lower Upper
106 100
91 229.9 105.8 317.3

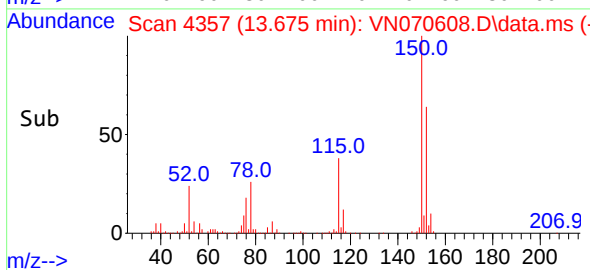
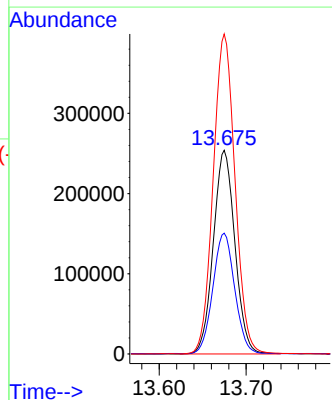
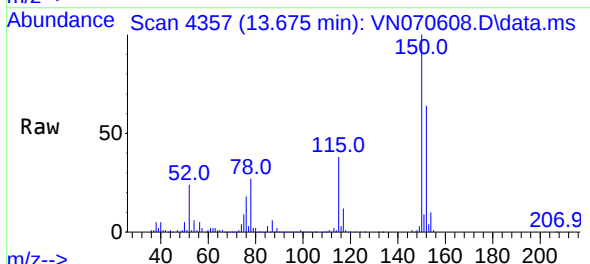
Manual Integrations
APPROVED

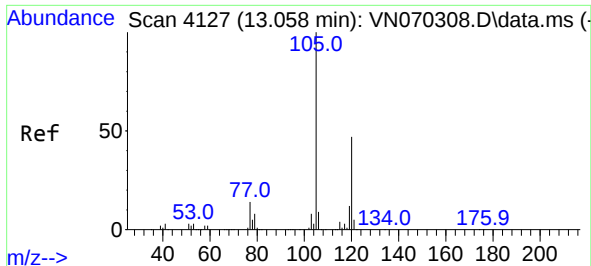
Reviewed By :John Carlone 01/14/2022
Supervised By :Mahesh Dadoda 01/14/2022



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.675 min Scan# 4357
Delta R.T. 0.003 min
Lab File: VN070608.D
Acq: 13 Jan 2022 13:42

Tgt Ion:152 Resp: 438235
Ion Ratio Lower Upper
152 100
115 59.8 27.5 82.5
150 158.7 0.0 344.4





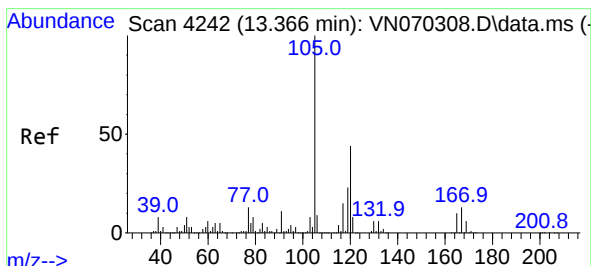
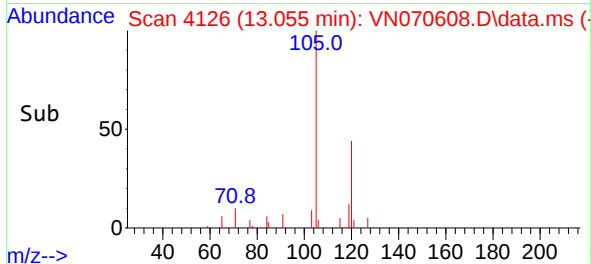
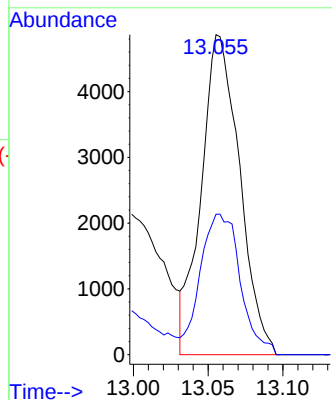
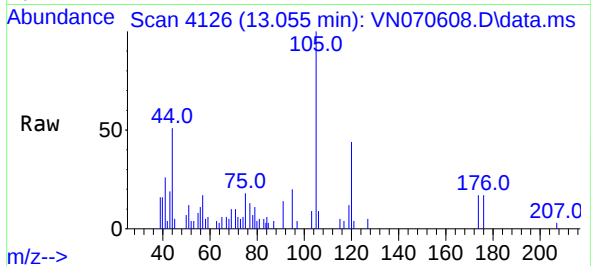
#80
1,3,5-Trimethylbenzene
Concen: 0.267 ug/l
RT: 13.055 min Scan# 4127
Delta R.T. -0.003 min
Lab File: VN070608.D
Acq: 13 Jan 2022 13:42

Instrument :
MSVOA_N
ClientSampleId :
220112014-02-VOA

Tgt Ion:105 Resp: 870
Ion Ratio Lower Upper
105 100
120 45.6 24.6 73.6

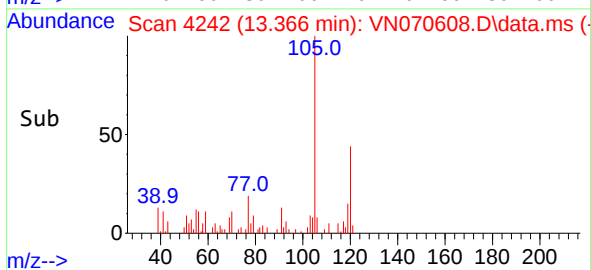
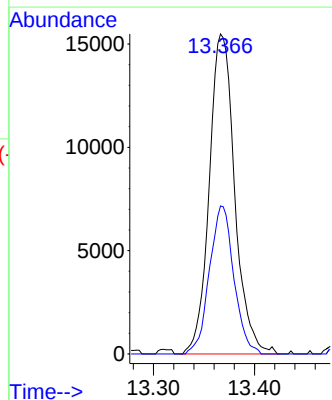
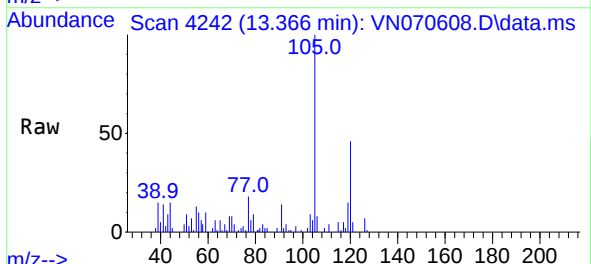
Manual Integrations
APPROVED

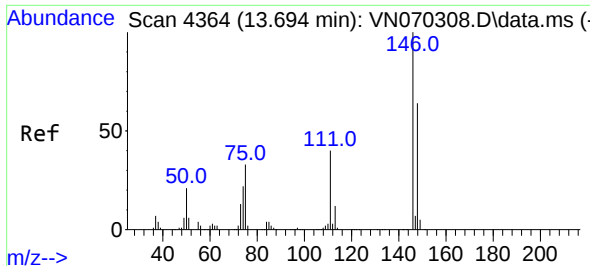
Reviewed By :John Carlone 01/14/2022
Supervised By :Mahesh Dadoda 01/14/2022



#84
1,2,4-Trimethylbenzene
Concen: 0.864 ug/l
RT: 13.366 min Scan# 4242
Delta R.T. 0.000 min
Lab File: VN070608.D
Acq: 13 Jan 2022 13:42

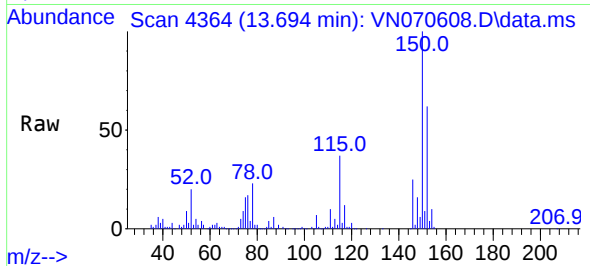
Tgt Ion:105 Resp: 27122
Ion Ratio Lower Upper
105 100
120 44.3 22.8 68.4





#88
1,4-Dichlorobenzene
Concen: 2.967 ug/l
RT: 13.694 min Scan# 4364
Delta R.T. -0.000 min
Lab File: VN070608.D
Acq: 13 Jan 2022 13:42

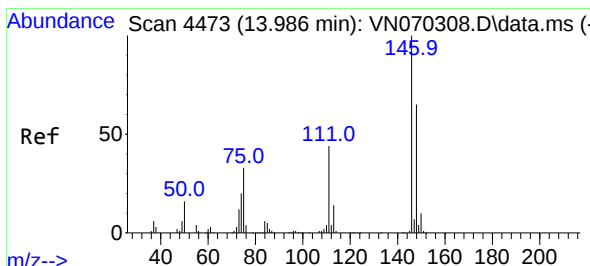
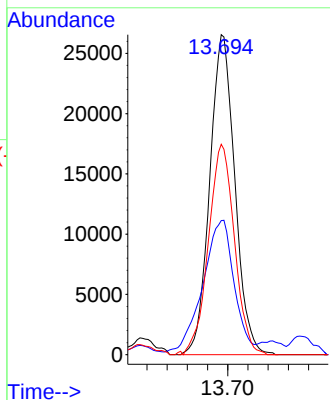
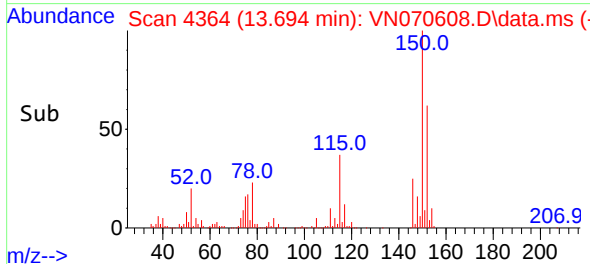
Instrument :
MSVOA_N
ClientSampleId :
220112014-02-VOA



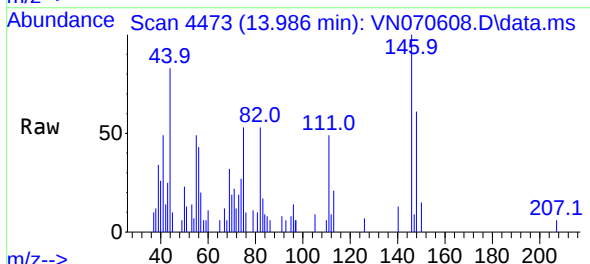
Tgt Ion:146 Resp: 45770
Ion Ratio Lower Upper
146 100
111 50.7 18.3 54.8
148 68.3 31.8 95.4

Manual Integrations
APPROVED

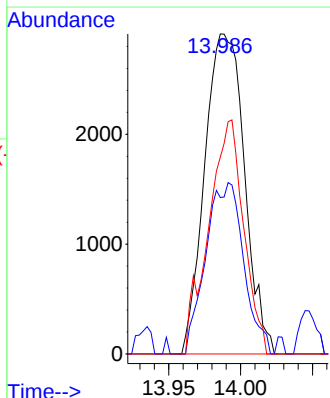
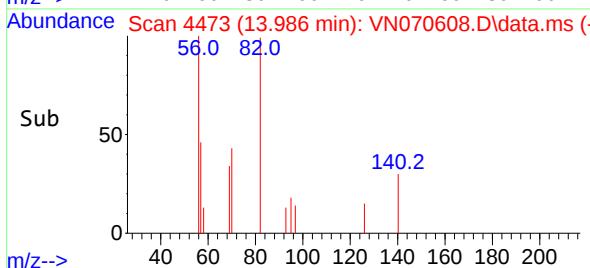
Reviewed By :John Carlone 01/14/2022
Supervised By :Mahesh Dadoda 01/14/2022

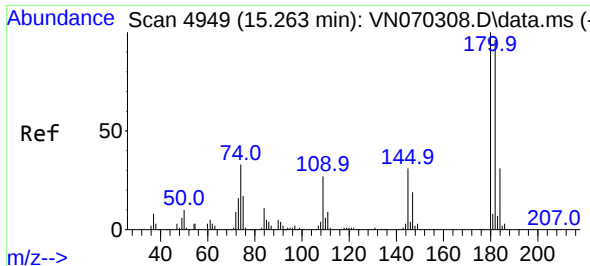


#91
1,2-Dichlorobenzene
Concen: 0.366 ug/l
RT: 13.986 min Scan# 4473
Delta R.T. -0.000 min
Lab File: VN070608.D
Acq: 13 Jan 2022 13:42



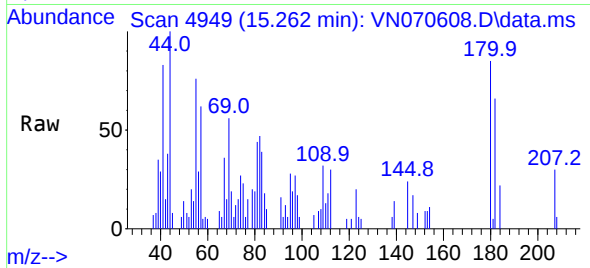
Tgt Ion:146 Resp: 5610
Ion Ratio Lower Upper
146 100
111 51.1 19.1 57.3
148 64.4 32.1 96.3





#93
1,2,4-Trichlorobenzene
Concen: 0.576 ug/l
RT: 15.262 min Scan# 4949
Delta R.T. -0.001 min
Lab File: VN070608.D
Acq: 13 Jan 2022 13:42

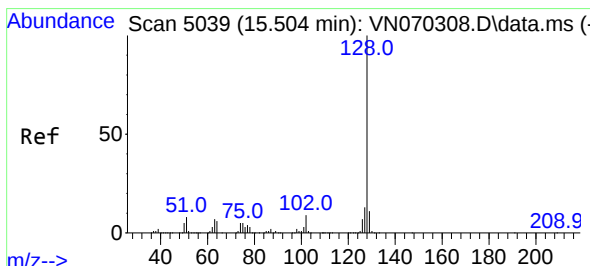
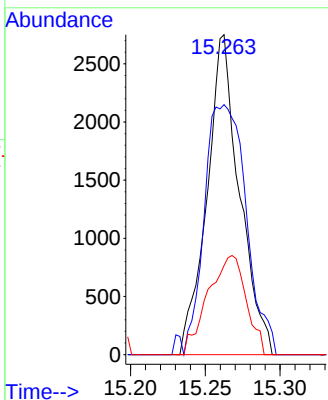
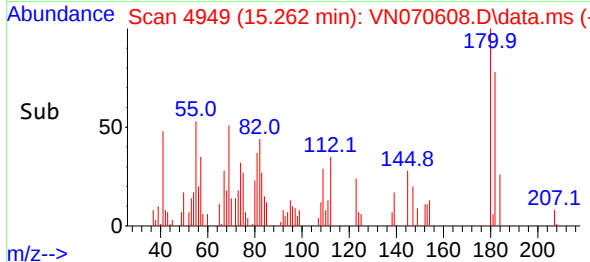
Instrument :
MSVOA_N
ClientSampleId :
220112014-02-VOA



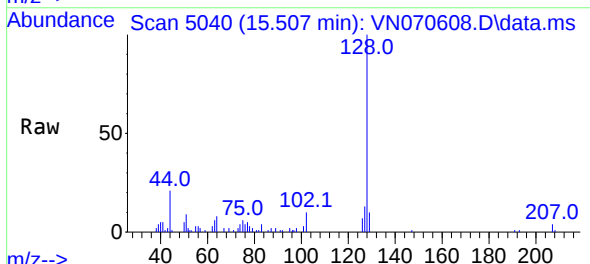
Tgt Ion:180 Resp: 416
Ion Ratio Lower Upper
180 100
182 100.1 48.3 144.9
145 36.3 14.5 43.5

Manual Integrations
APPROVED

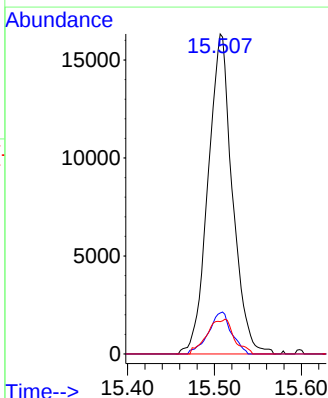
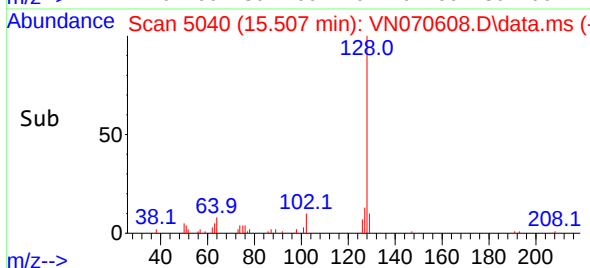
Reviewed By :John Carlone 01/14/2022
Supervised By :Mahesh Dadoda 01/14/2022

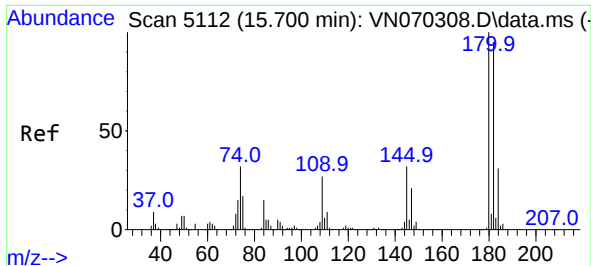


#95
Naphthalene
Concen: 3.333 ug/l
RT: 15.507 min Scan# 5040
Delta R.T. 0.003 min
Lab File: VN070608.D
Acq: 13 Jan 2022 13:42



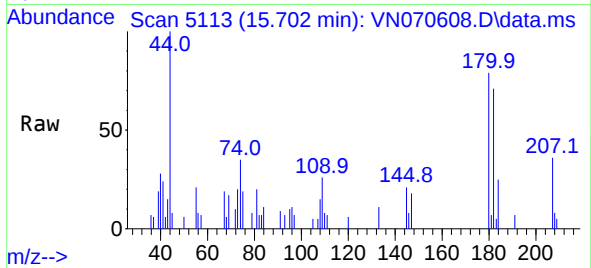
Tgt Ion:128 Resp: 31808
Ion Ratio Lower Upper
128 100
127 12.4 10.5 15.7
129 12.0 8.7 13.1





#96
1,2,3-Trichlorobenzene
Concen: 1.574 ug/l
RT: 15.702 min Scan# 5112
Delta R.T. 0.002 min
Lab File: VN070608.D
Acq: 13 Jan 2022 13:42

Instrument :
MSVOA_N
ClientSampleId :
220112014-02-VOA



Tgt Ion:180 Resp: 5259
Ion Ratio Lower Upper
180 100
182 83.6 47.4 142.2
145 24.6 15.0 45.1

Manual Integrations
APPROVED

Reviewed By :John Carlone 01/14/2022
Supervised By :Mahesh Dadoda 01/14/2022

