

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011322\
 Data File : VN070607.D
 Acq On : 13 Jan 2022 13:17
 Operator : JC/MD
 Sample : N1123-01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 220112013-02-VOA

Manual Integrations
 APPROVED

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

Quant Time: Jan 14 04:53:06 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	795993	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	1312196	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	1173992	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	446107	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.437	65	627937	54.866	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 109.740%			
35) Dibromofluoromethane	8.021	113	449622	56.631	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 113.260%			
50) Toluene-d8	10.440	98	1760970	54.295	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 108.580%			
62) 4-Bromofluorobenzene	12.731	95	670494	57.237	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 114.480%			
Target Compounds					Qvalue	
8) Diethyl Ether	3.824	74	63258	10.664	ug/l	80
11) Tert butyl alcohol	5.374	59	605169	317.570	ug/l #	81
16) Acetone	4.291	43	44564	5.998	ug/l	96
18) Methyl Acetate	4.865	43	13204	0.614	ug/l	93
19) Methyl tert-butyl Ether	5.624	73	20904	0.694	ug/l #	87
24) 1,1-Dichloroethane	6.393	63	8105m	0.437	ug/l	
25) 2-Butanone	7.321	43	56494	6.039	ug/l #	71
29) Tetrahydrofuran	7.686	42	1162562	208.296	ug/l	87
40) Benzene	8.461	78	64329	1.598	ug/l	96
49) 1,4-Dioxane	9.569	88	42392	226.198	ug/l #	84
52) Toluene	10.505	92	23326	0.957	ug/l	100
65) Chlorobenzene	11.768	112	250078	10.039	ug/l	98
67) Ethyl Benzene	11.843	91	29133	0.638	ug/l	96
68) m/p-Xylenes	11.953	106	76132	4.583	ug/l	91
69) o-Xylene	12.278	106	57659	3.489	ug/l	87
73) Isopropylbenzene	12.581	105	23379	0.564	ug/l	98
80) 1,3,5-Trimethylbenzene	13.061	105	17412	0.524	ug/l	98
84) 1,2,4-Trimethylbenzene	13.366	105	64622	2.021	ug/l	98
86) p-Isopropyltoluene	13.616	119	29069	0.932	ug/l	96
88) 1,4-Dichlorobenzene	13.694	146	158377	10.084	ug/l	95
89) n-Butylbenzene	13.940	91	14912	0.573	ug/l	97
91) 1,2-Dichlorobenzene	13.986	146	16307	1.045	ug/l	96
93) 1,2,4-Trichlorobenzene	15.260	180	12067	1.641	ug/l	97
95) Naphthalene	15.507	128	64609	4.861	ug/l	99
96) 1,2,3-Trichlorobenzene	15.702	180	13541	2.719	ug/l	94

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

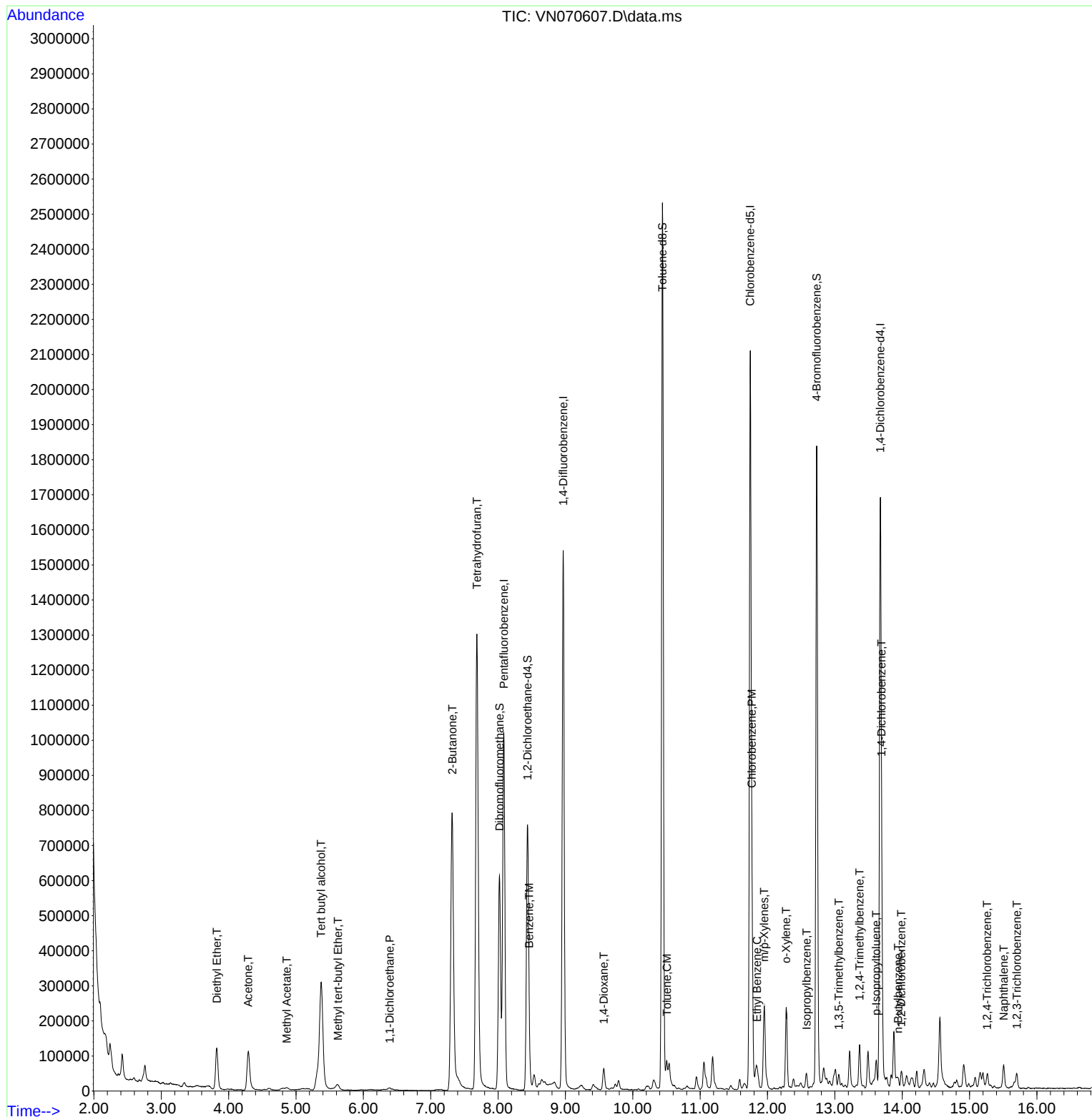
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011322\
Data File : VN070607.D
Acq On : 13 Jan 2022 13:17
Operator : JC/MD
Sample : N1123-01
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

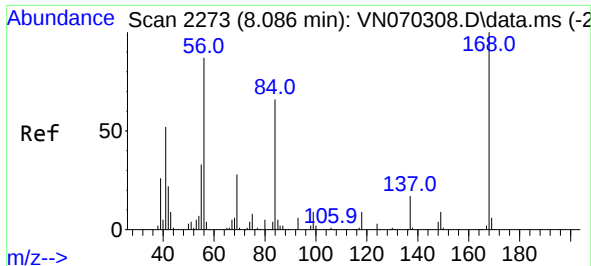
Instrument :
MSVOA_N
ClientSampleId :
220112013-02-VOA

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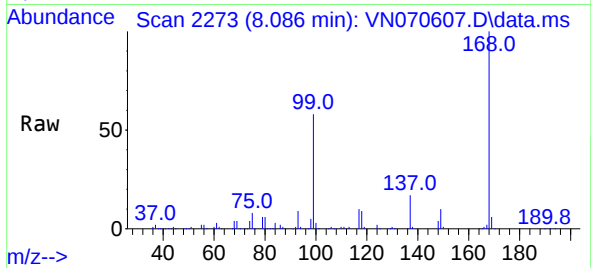
Quant Time: Jan 14 04:53:06 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N122721W.M
Quant Title : SW846 8260
QLast Update : Mon Dec 27 18:47:12 2021
Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN070607.D
Acq: 13 Jan 2022 13:17

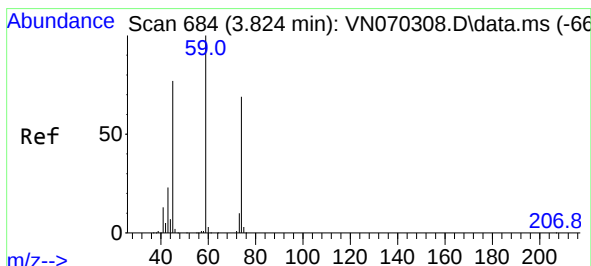
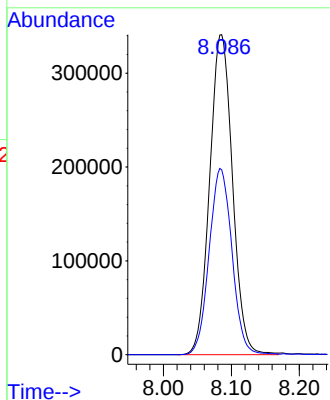
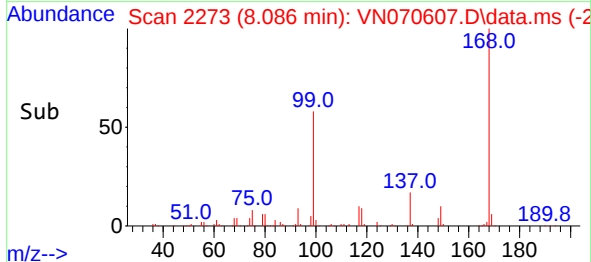
Instrument :
MSVOA_N
ClientSampleId :
220112013-02-VOA



Tgt Ion:168 Resp: 79599
Ion Ratio Lower Upper
168 100
99 57.8 41.3 61.9

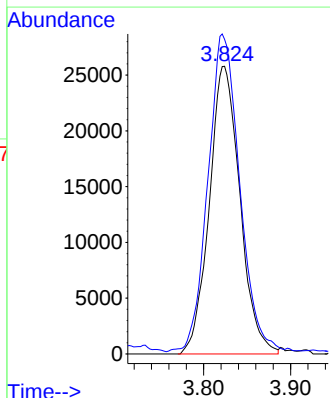
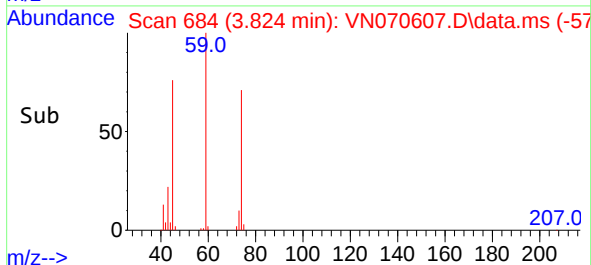
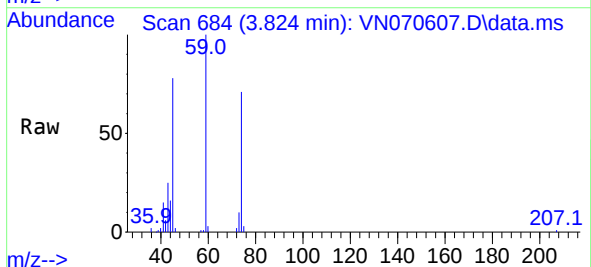
Manual Integrations
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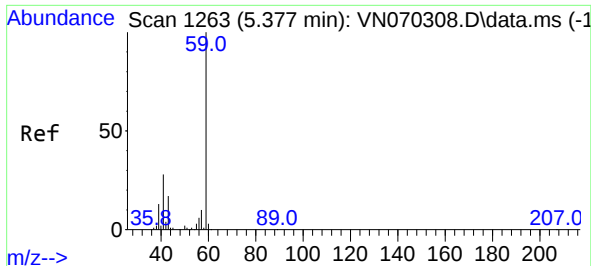
Reviewed By :John Carlone 01/14/2022
Supervised By :Mahesh Dadoda 01/14/2022



#8
Diethyl Ether
Concen: 10.664 ug/l
RT: 3.824 min Scan# 684
Delta R.T. -0.000 min
Lab File: VN070607.D
Acq: 13 Jan 2022 13:17

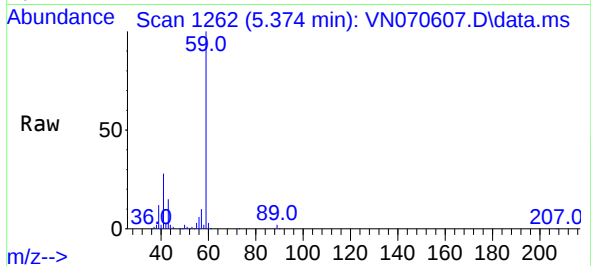
Tgt Ion: 74 Resp: 63258
Ion Ratio Lower Upper
74 100
45 113.8 47.0 141.2





#11
Tert butyl alcohol
Concen: 317.570 ug/l
RT: 5.374 min Scan# 11
Delta R.T. -0.003 min
Lab File: VN070607.D
Acq: 13 Jan 2022 13:17

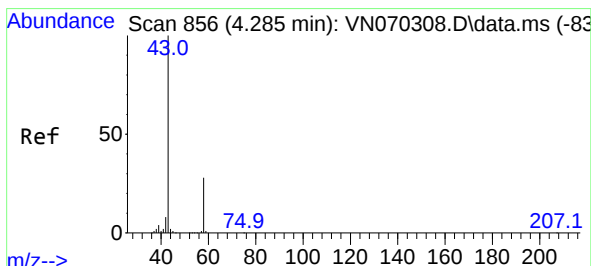
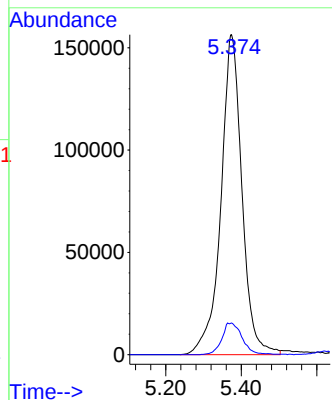
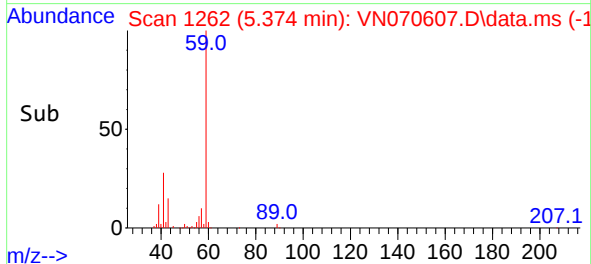
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Tgt Ion: 59 Resp: 605169
Ion Ratio Lower Upper
59 100
57 3.9 8.7 13.1

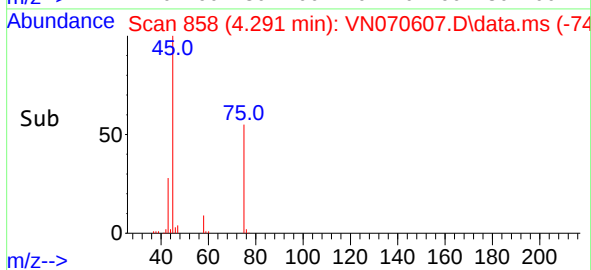
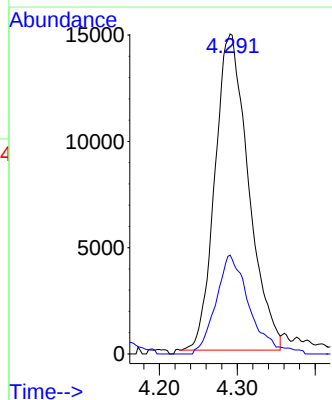
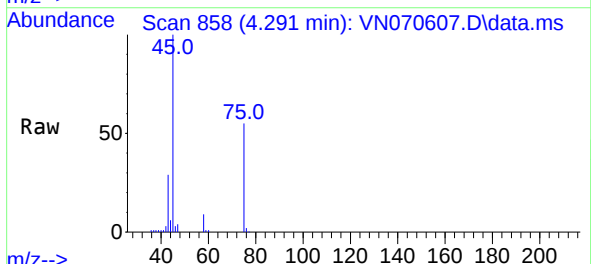
Manual Integrations
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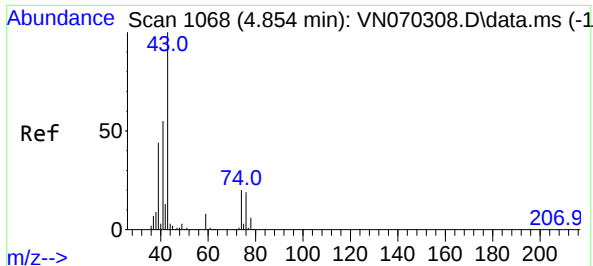
Reviewed By :John Carlone 01/14/2022
Supervised By :Mahesh Dadoda 01/14/2022



#16
Acetone
Concen: 5.998 ug/l
RT: 4.291 min Scan# 858
Delta R.T. 0.006 min
Lab File: VN070607.D
Acq: 13 Jan 2022 13:17

Tgt Ion: 43 Resp: 44564
Ion Ratio Lower Upper
43 100
58 31.2 23.1 34.7





#18

Methyl Acetate

Concen: 0.614 ug/l

RT: 4.865 min Scan# 110

Delta R.T. 0.011 min

Lab File: VN070607.D

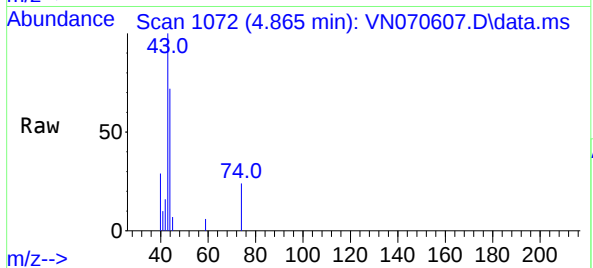
Acq: 13 Jan 2022 13:17

Instrument :

MSVOA_N

ClientSampleId :

220112013-02-VOA



Tgt Ion: 43 Resp: 13204

Ion Ratio Lower Upper

43 100

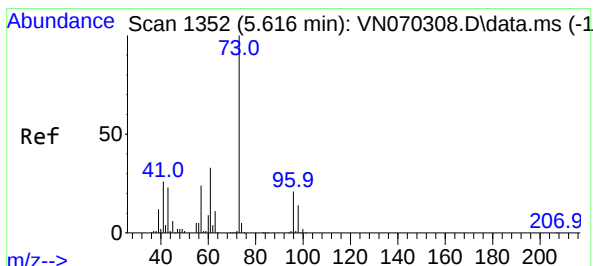
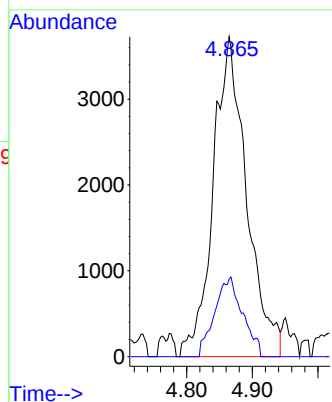
74 20.7 19.4 29.2

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Supervised By :Mahesh Dadoda 01/14/2022



#19

Methyl tert-butyl Ether

Concen: 0.694 ug/l

RT: 5.624 min Scan# 1355

Delta R.T. 0.008 min

Lab File: VN070607.D

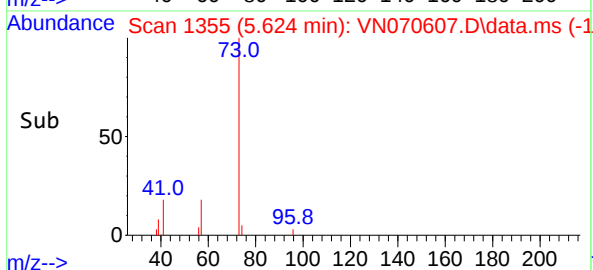
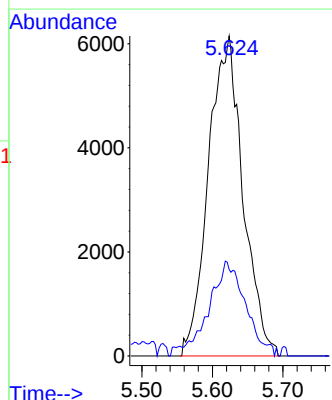
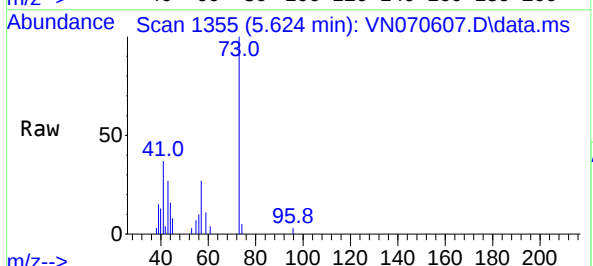
Acq: 13 Jan 2022 13:17

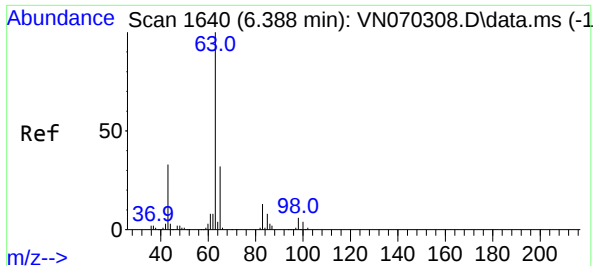
Tgt Ion: 73 Resp: 20904

Ion Ratio Lower Upper

73 100

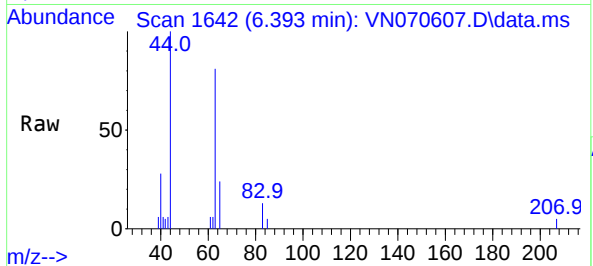
57 27.0 16.8 25.2#





#24
1,1-Dichloroethane
Concen: 0.437 ug/l m
RT: 6.393 min Scan# 1
Delta R.T. 0.005 min
Lab File: VN070607.D
Acq: 13 Jan 2022 13:17

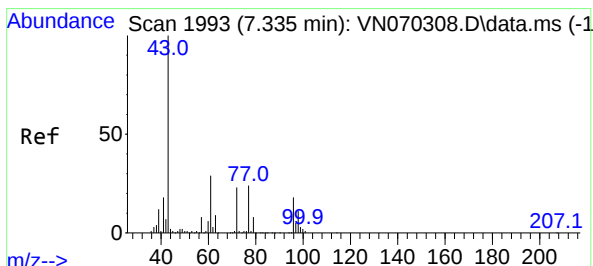
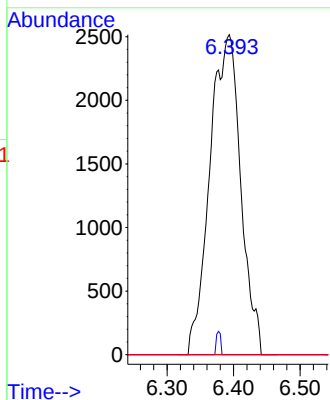
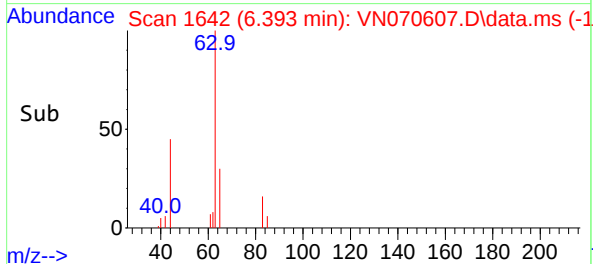
Instrument :
MSVOA_N
ClientSampleId :
220112013-02-VOA



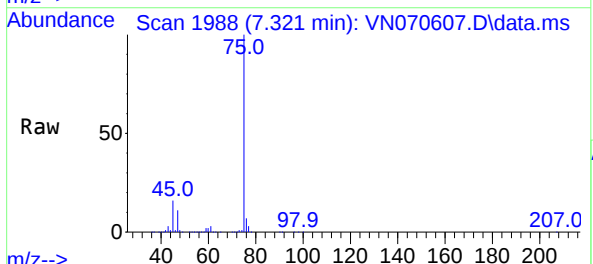
Tgt Ion: 63 Resp: 810
Ion Ratio Lower Upper
63 100
98 0.0 3.3 9.9
100 0.0 2.1 6.5

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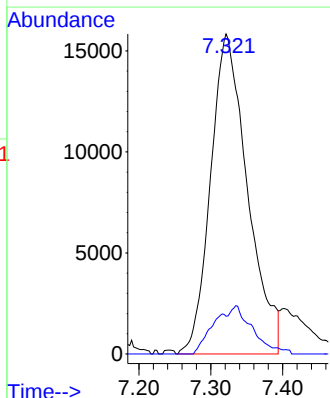
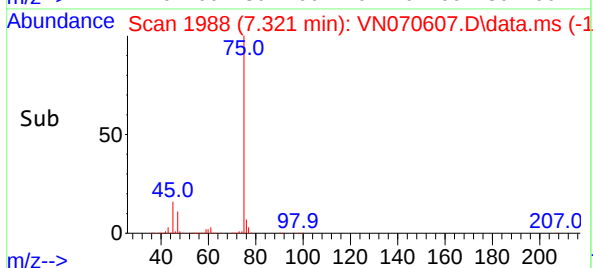
Reviewed By :John Carlone 01/14/2022
Supervised By :Mahesh Dadoda 01/14/2022

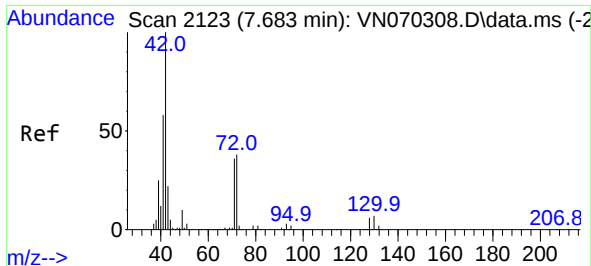


#25
2-Butanone
Concen: 6.039 ug/l
RT: 7.321 min Scan# 1988
Delta R.T. -0.014 min
Lab File: VN070607.D
Acq: 13 Jan 2022 13:17



Tgt Ion: 43 Resp: 56494
Ion Ratio Lower Upper
43 100
72 11.8 21.7 32.5





#29

Tetrahydrofuran

Concen: 208.296 ug/l

RT: 7.686 min Scan# 2123

Delta R.T. 0.003 min

Lab File: VN070607.D

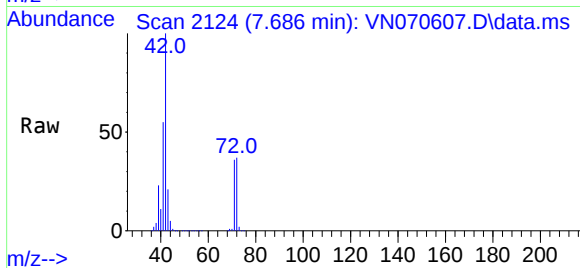
Acq: 13 Jan 2022 13:17

Instrument :

MSVOA_N

ClientSampleId :

220112013-02-VOA



Tgt Ion: 42 Resp: 116256

Ion Ratio Lower Upper

42 100

72 36.7 36.3 54.5

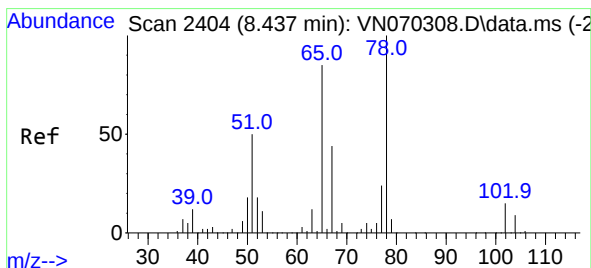
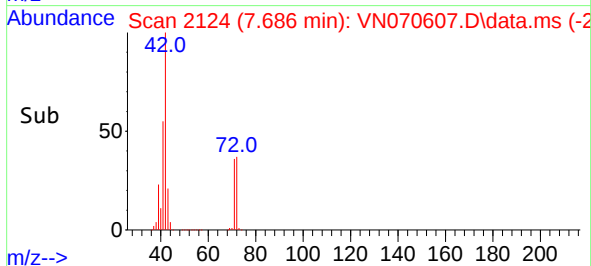
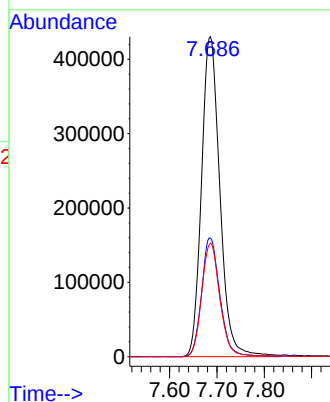
71 35.0 34.7 52.1

Manual Integrations

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#33

1,2-Dichloroethane-d4

Concen: 54.866 ug/l

RT: 8.437 min Scan# 2404

Delta R.T. -0.000 min

Lab File: VN070607.D

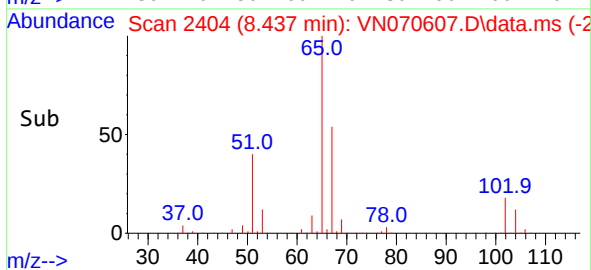
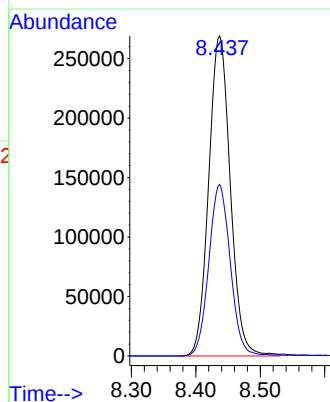
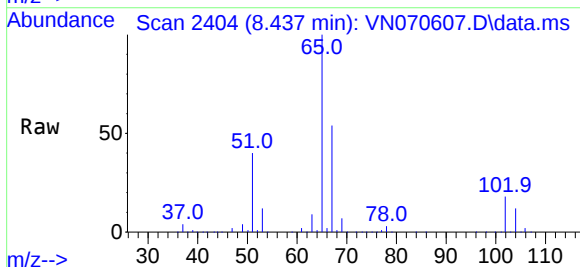
Acq: 13 Jan 2022 13:17

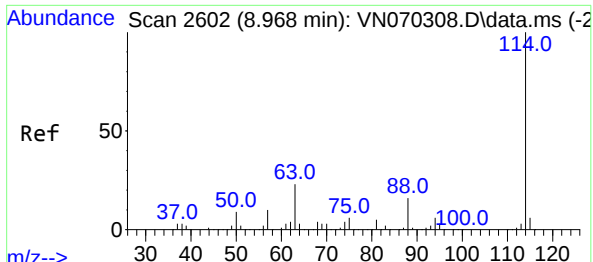
Tgt Ion: 65 Resp: 627937

Ion Ratio Lower Upper

65 100

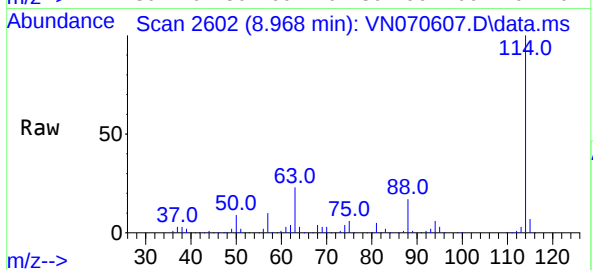
67 53.1 0.0 103.0





#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.968 min Scan# 2602
Delta R.T. 0.000 min
Lab File: VN070607.D
Acq: 13 Jan 2022 13:17

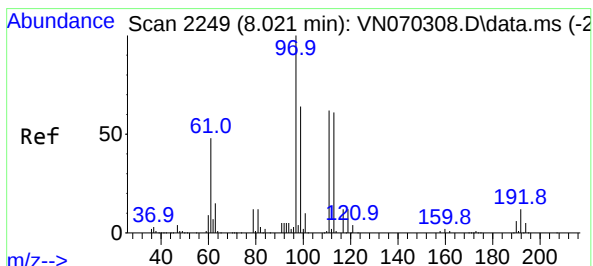
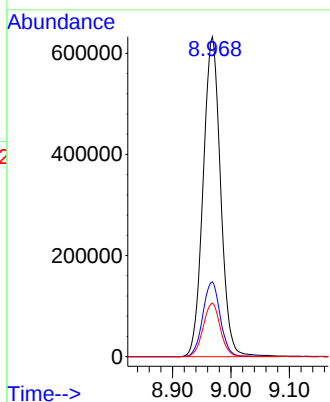
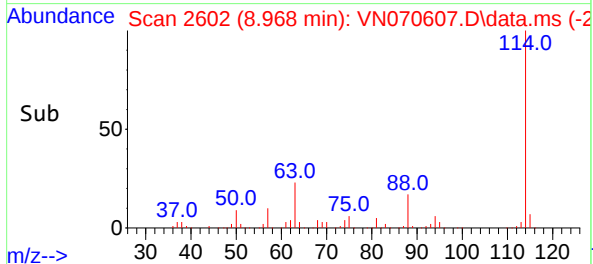
Instrument :
MSVOA_N
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Tgt Ion:114 Resp: 1312190
Ion Ratio Lower Upper
114 100
63 23.4 0.0 37.8
88 16.7 0.0 27.4

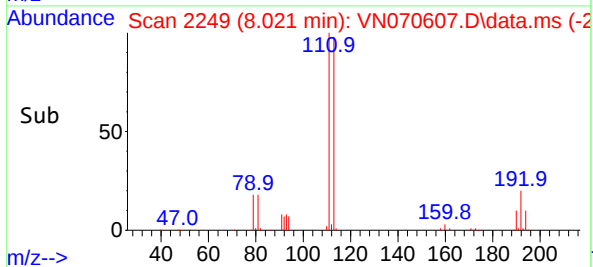
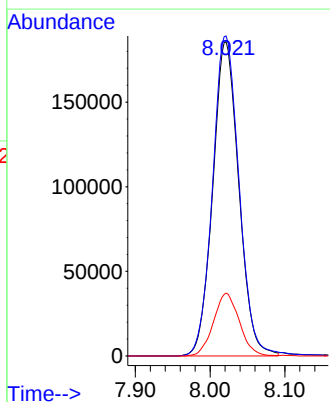
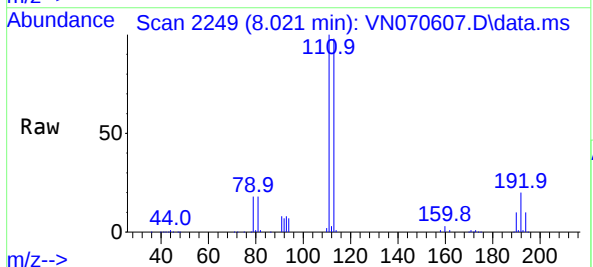
Manual Integrations
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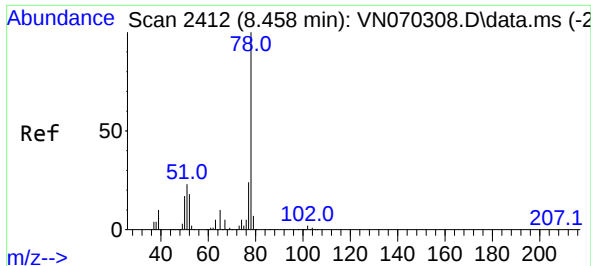
Reviewed By :John Carlone 01/14/2022
Supervised By :Mahesh Dadoda 01/14/2022



#35
Dibromofluoromethane
Concen: 56.631 ug/l
RT: 8.021 min Scan# 2249
Delta R.T. 0.000 min
Lab File: VN070607.D
Acq: 13 Jan 2022 13:17

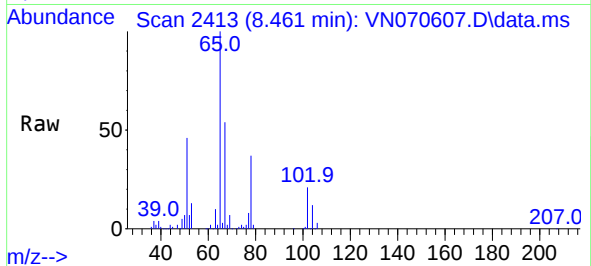
Tgt Ion:113 Resp: 449622
Ion Ratio Lower Upper
113 100
111 103.9 82.2 123.2
192 19.8 16.9 25.3





#40
Benzene
Concen: 1.598 ug/l
RT: 8.461 min Scan# 2412
Delta R.T. 0.003 min
Lab File: VN070607.D
Acq: 13 Jan 2022 13:17

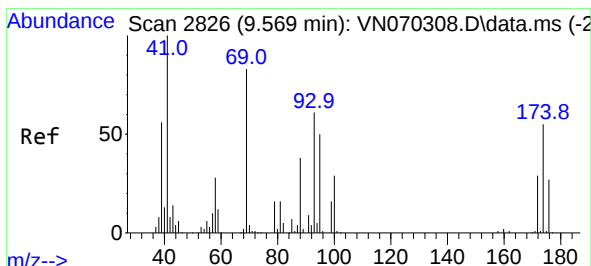
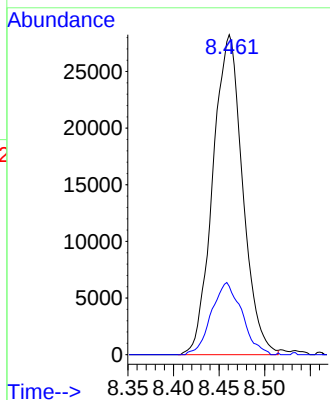
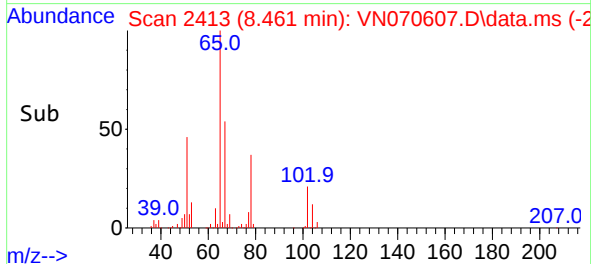
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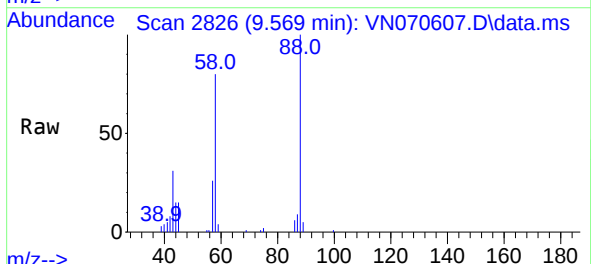
Tgt Ion: 78 Resp: 64329
Ion Ratio Lower Upper
78 100
77 21.4 18.6 27.8

Manual Integrations
APPROVED

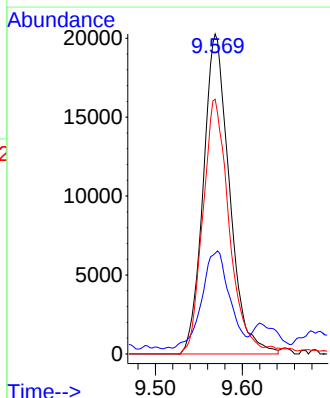
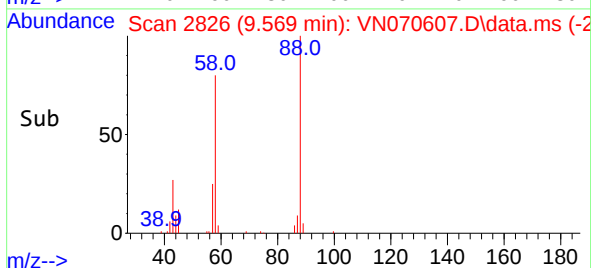
Reviewed By :John Carlone 01/14/2022
Supervised By :Mahesh Dadoda 01/14/2022

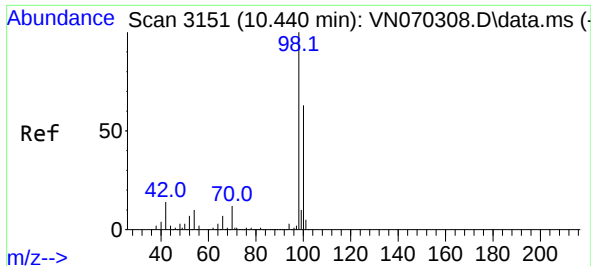


#49
1,4-Dioxane
Concen: 226.198 ug/l
RT: 9.569 min Scan# 2826
Delta R.T. -0.000 min
Lab File: VN070607.D
Acq: 13 Jan 2022 13:17



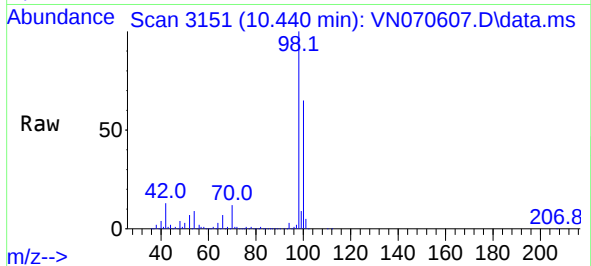
Tgt Ion: 88 Resp: 42392
Ion Ratio Lower Upper
88 100
43 31.9 23.4 35.2
58 79.5 50.6 75.8#





#50
Toluene-d8
Concen: 54.295 ug/l
RT: 10.440 min Scan# 3151
Delta R.T. 0.000 min
Lab File: VN070607.D
Acq: 13 Jan 2022 13:17

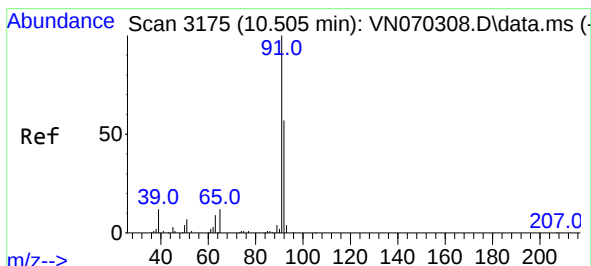
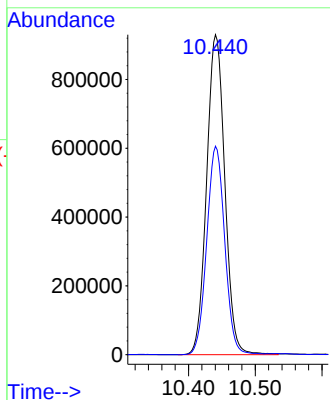
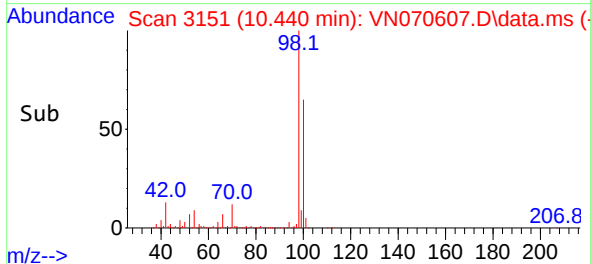
Instrument :
MSVOA_N
ClientSampleId :
220112013-02-VOA



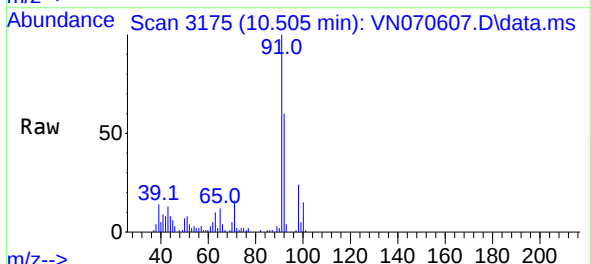
Tgt Ion: 98 Resp: 1760970
Ion Ratio Lower Upper
98 100
100 64.5 50.4 75.6

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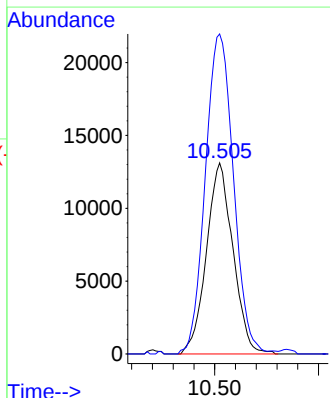
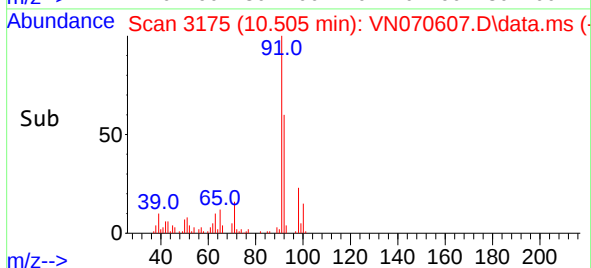
Reviewed By :John Carlone 01/14/2022
Supervised By :Mahesh Dadoda 01/14/2022

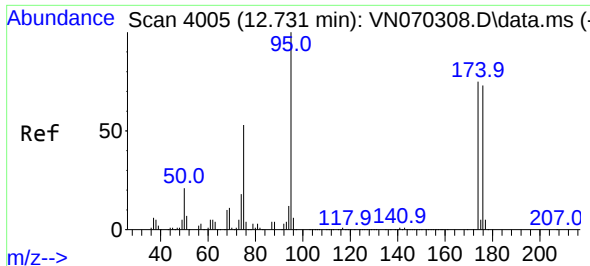


#52
Toluene
Concen: 0.957 ug/l
RT: 10.505 min Scan# 3175
Delta R.T. -0.000 min
Lab File: VN070607.D
Acq: 13 Jan 2022 13:17



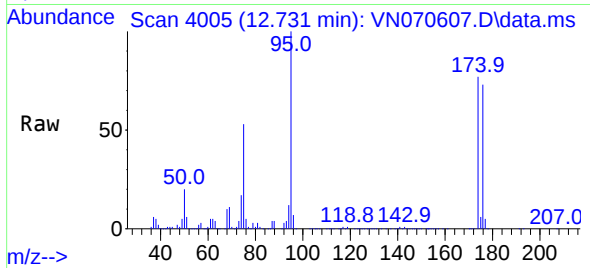
Tgt Ion: 92 Resp: 23326
Ion Ratio Lower Upper
92 100
91 177.0 142.0 213.0





#62
4-Bromofluorobenzene
Concen: 57.237 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.000 min
Lab File: VN070607.D
Acq: 13 Jan 2022 13:17

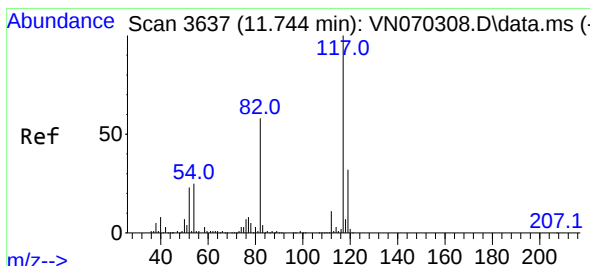
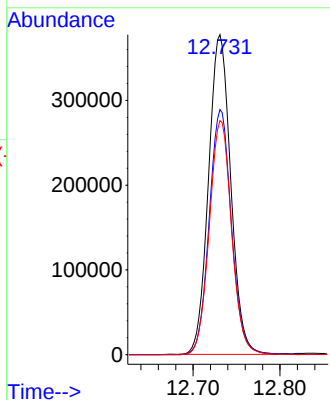
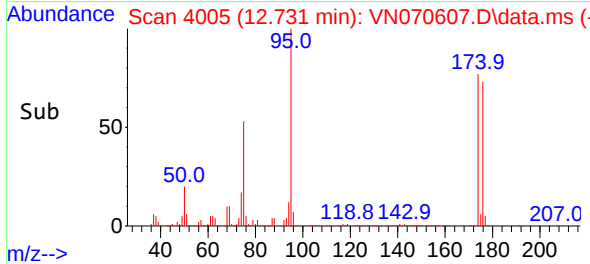
Instrument :
MSVOA_N
ClientSampleId :
220112013-02-VOA



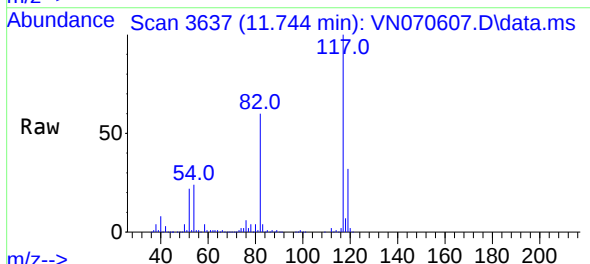
Tgt Ion: 95 Resp: 670494
Ion Ratio Lower Upper
95 100
174 76.8 0.0 187.2
176 73.3 0.0 181.4

Manual Integrations
APPROVED

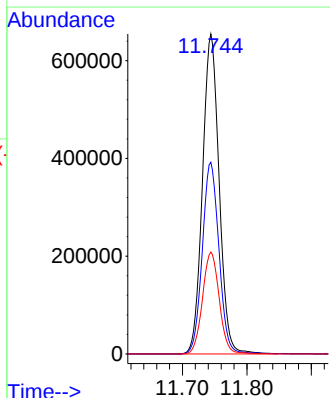
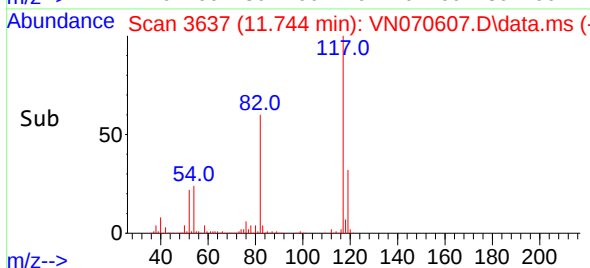
Reviewed By :John Carlone 01/14/2022
Supervised By :Mahesh Dadoda 01/14/2022

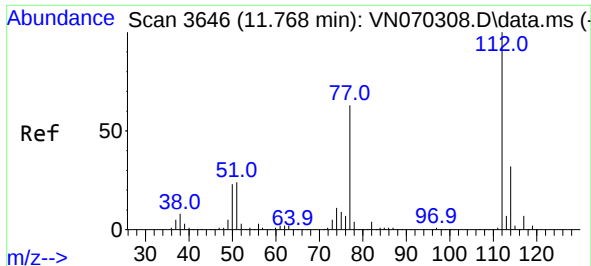


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.744 min Scan# 3637
Delta R.T. -0.000 min
Lab File: VN070607.D
Acq: 13 Jan 2022 13:17



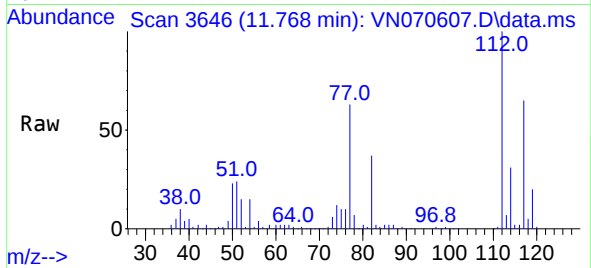
Tgt Ion:117 Resp: 1173992
Ion Ratio Lower Upper
117 100
82 59.9 42.4 63.6
119 31.9 25.4 38.2





#65
Chlorobenzene
Concen: 10.039 ug/l
RT: 11.768 min Scan# 3646
Delta R.T. -0.000 min
Lab File: VN070607.D
Acq: 13 Jan 2022 13:17

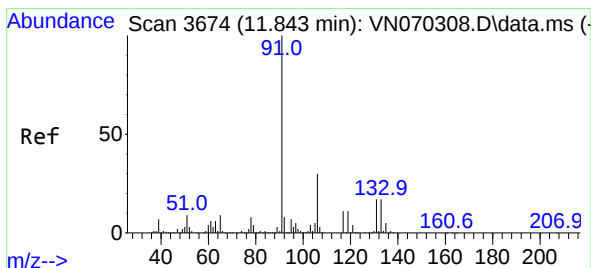
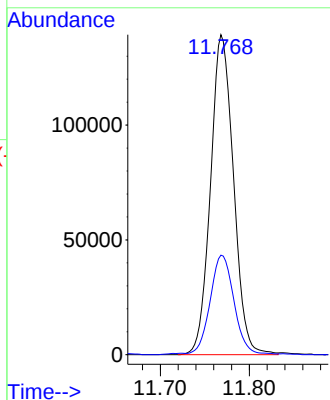
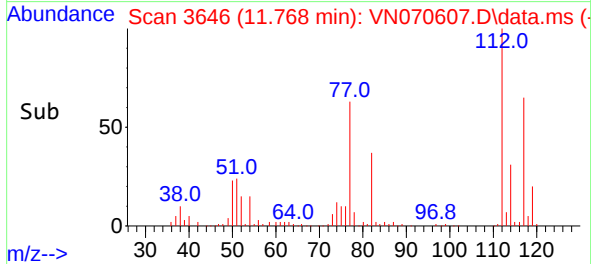
Instrument :
MSVOA_N
ClientSampleId :
220112013-02-VOA



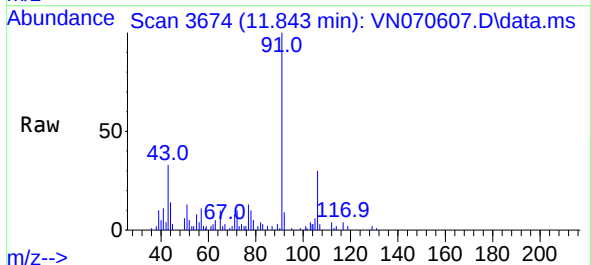
Tgt Ion:112 Resp: 250078
Ion Ratio Lower Upper
112 100
114 30.8 25.4 38.0

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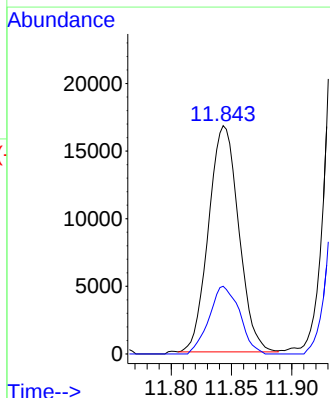
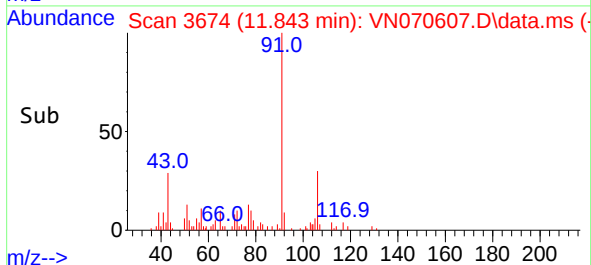
Reviewed By :John Carlone 01/14/2022
Supervised By :Mahesh Dadoda 01/14/2022

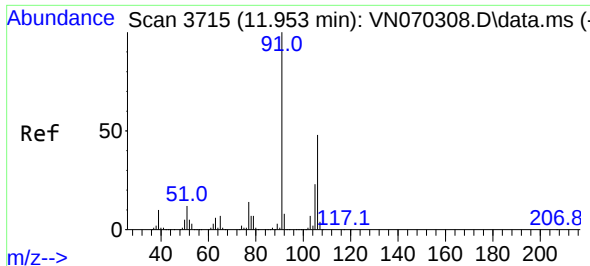


#67
Ethyl Benzene
Concen: 0.638 ug/l
RT: 11.843 min Scan# 3674
Delta R.T. 0.000 min
Lab File: VN070607.D
Acq: 13 Jan 2022 13:17



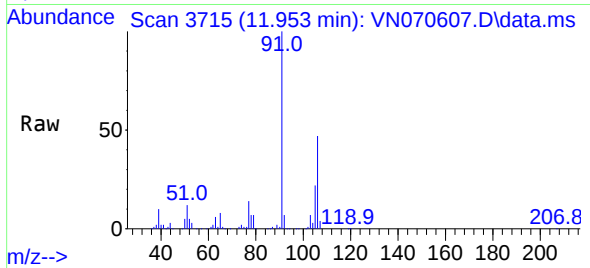
Tgt Ion: 91 Resp: 29133
Ion Ratio Lower Upper
91 100
106 29.9 25.7 38.5





#68
m/p-Xylenes
Concen: 4.583 ug/l
RT: 11.953 min Scan# 3715
Delta R.T. 0.000 min
Lab File: VN070607.D
Acq: 13 Jan 2022 13:17

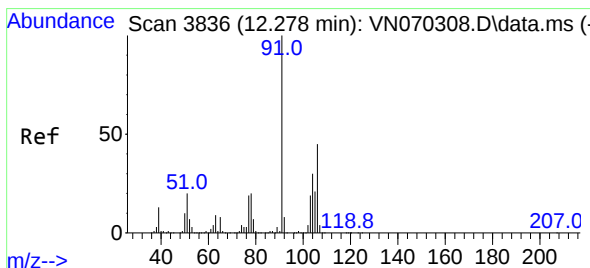
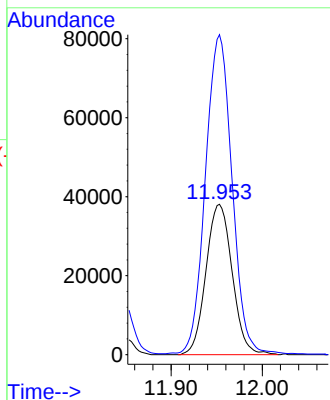
Instrument :
MSVOA_N
ClientSampleId :
220112013-02-VOA



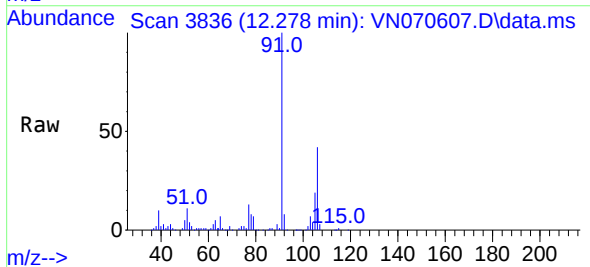
Tgt Ion:106 Resp: 76132
Ion Ratio Lower Upper
106 100
91 214.9 160.6 240.8

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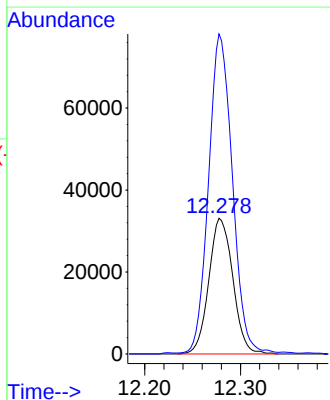
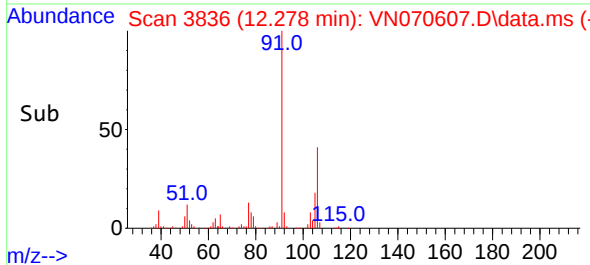
Reviewed By :John Carlone 01/14/2022
Supervised By :Mahesh Dadoda 01/14/2022

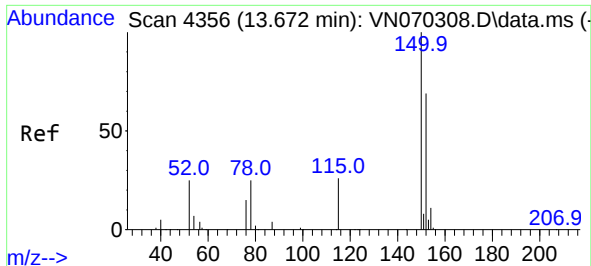


#69
o-Xylene
Concen: 3.489 ug/l
RT: 12.278 min Scan# 3836
Delta R.T. -0.000 min
Lab File: VN070607.D
Acq: 13 Jan 2022 13:17



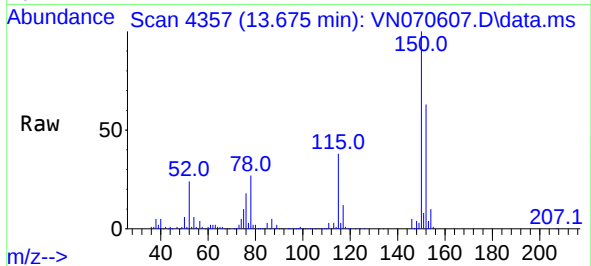
Tgt Ion:106 Resp: 57659
Ion Ratio Lower Upper
106 100
91 231.9 105.8 317.3





#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.675 min Scan# 41
Delta R.T. 0.003 min
Lab File: VN070607.D
Acq: 13 Jan 2022 13:17

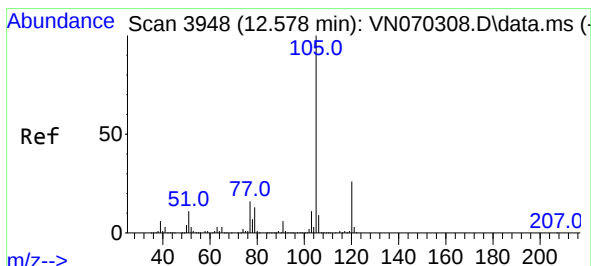
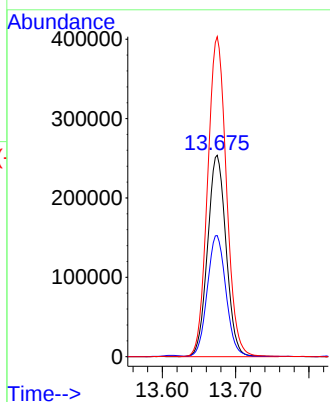
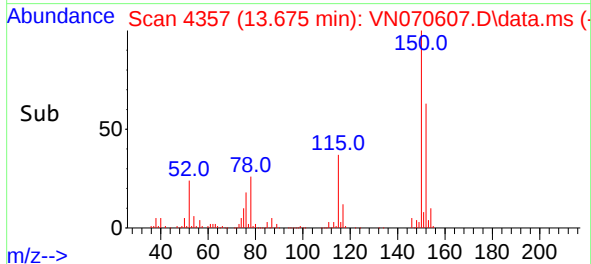
Instrument :
MSVOA_N
ClientSampleId :
220112013-02-VOA



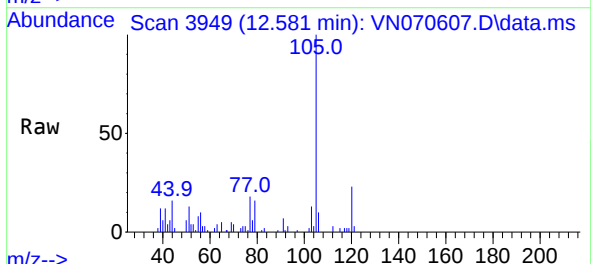
Tgt Ion:152 Resp: 44610
Ion Ratio Lower Upper
152 100
115 59.9 27.5 82.5
150 160.8 0.0 344.4

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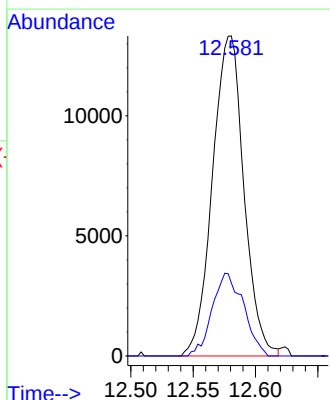
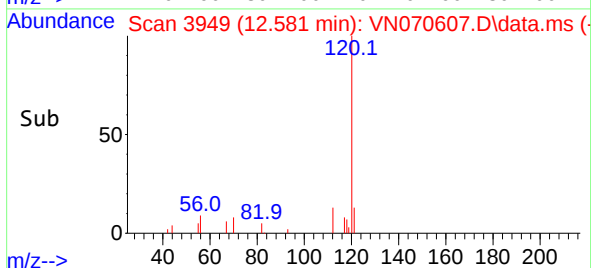
Reviewed By :John Carlone 01/14/2022
Supervised By :Mahesh Dadoda 01/14/2022

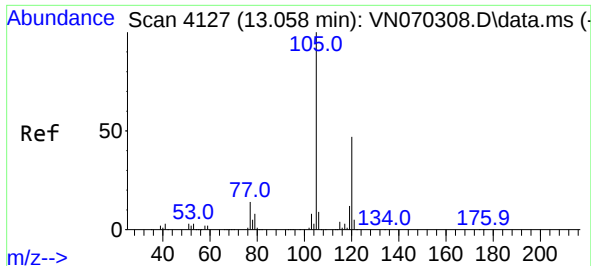


#73
Isopropylbenzene
Concen: 0.564 ug/l
RT: 12.581 min Scan# 3949
Delta R.T. 0.003 min
Lab File: VN070607.D
Acq: 13 Jan 2022 13:17



Tgt Ion:105 Resp: 23379
Ion Ratio Lower Upper
105 100
120 25.8 13.4 40.1





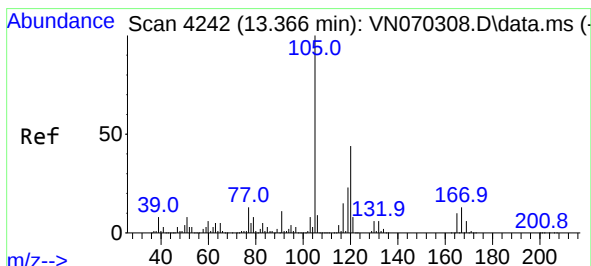
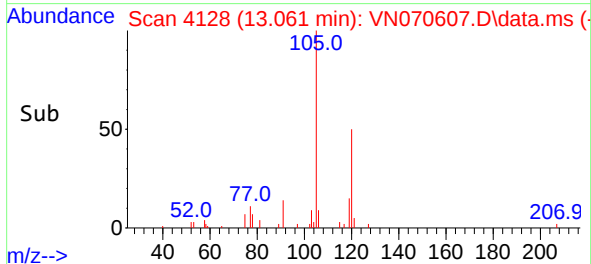
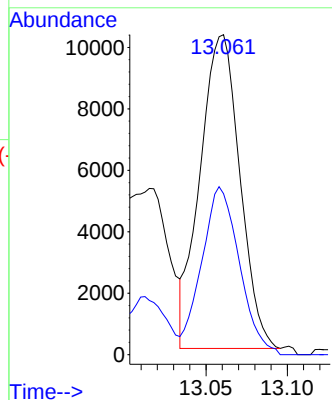
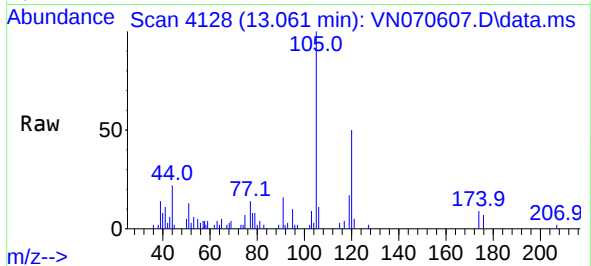
#80
1,3,5-Trimethylbenzene
Concen: 0.524 ug/l
RT: 13.061 min Scan# 4127
Delta R.T. 0.003 min
Lab File: VN070607.D
Acq: 13 Jan 2022 13:17

Instrument :
MSVOA_N
ClientSampleId :
220112013-02-VOA

Tgt Ion:105 Resp: 17412
Ion Ratio Lower Upper
105 100
120 50.8 24.6 73.6

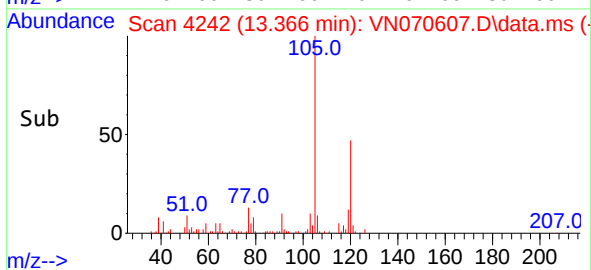
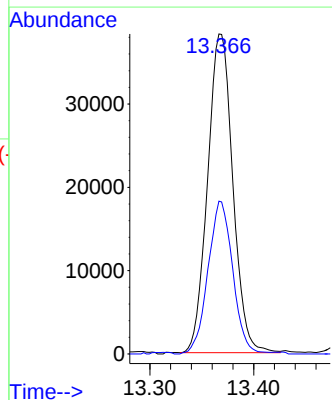
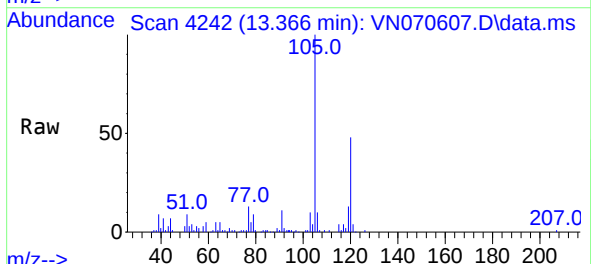
Manual Integrations
APPROVED

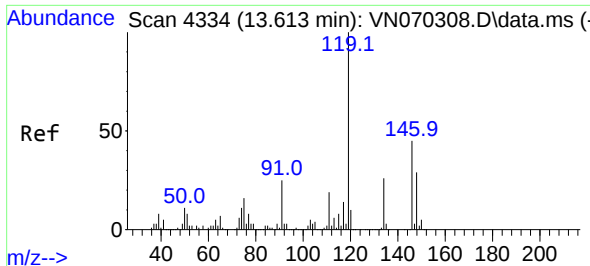
Reviewed By :John Carlone 01/14/2022
Supervised By :Mahesh Dadoda 01/14/2022



#84
1,2,4-Trimethylbenzene
Concen: 2.021 ug/l
RT: 13.366 min Scan# 4242
Delta R.T. 0.000 min
Lab File: VN070607.D
Acq: 13 Jan 2022 13:17

Tgt Ion:105 Resp: 64622
Ion Ratio Lower Upper
105 100
120 47.0 22.8 68.4





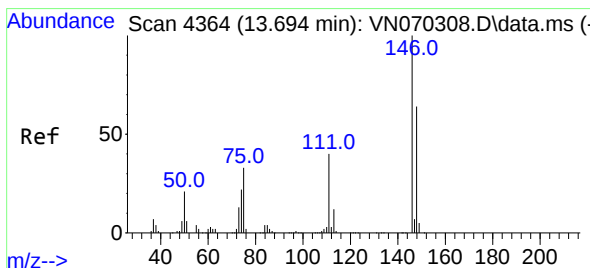
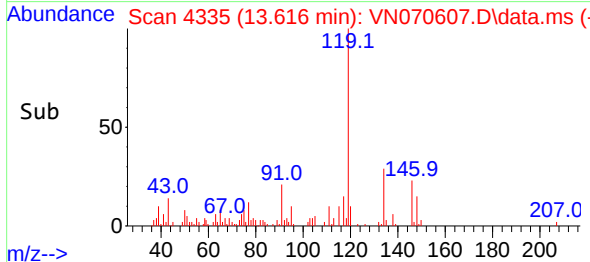
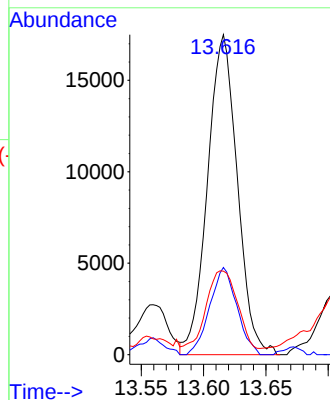
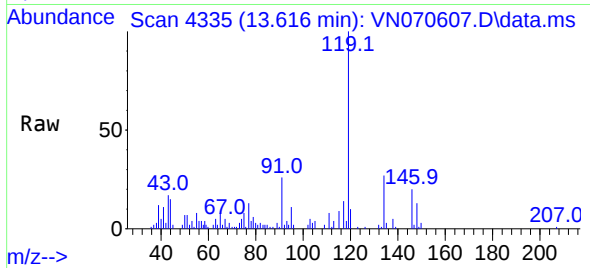
#86
p-Isopropyltoluene
Concen: 0.932 ug/l
RT: 13.616 min Scan# 4334
Delta R.T. 0.003 min
Lab File: VN070607.D
Acq: 13 Jan 2022 13:17

Instrument :
MSVOA_N
ClientSampleId :
220112013-02-VOA

Tgt Ion:119 Resp: 29069
Ion Ratio Lower Upper
119 100
134 24.8 13.6 40.7
91 24.7 11.4 34.1

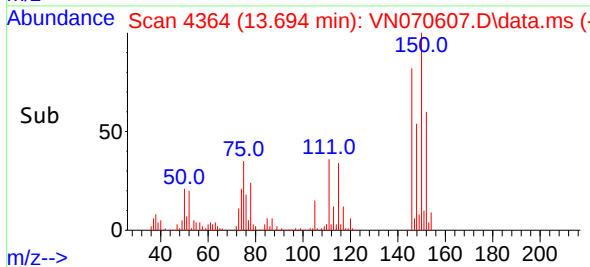
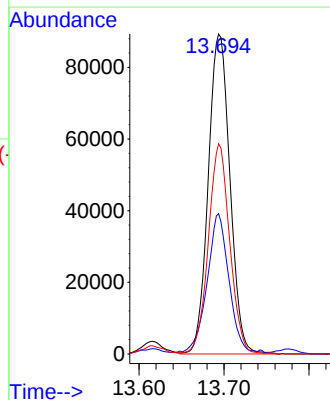
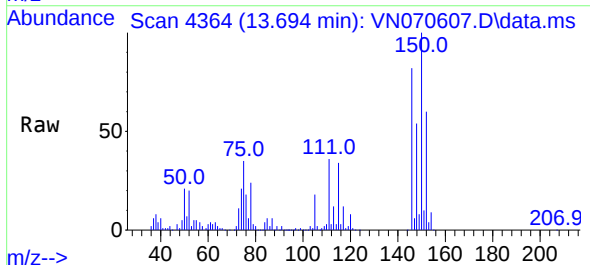
Manual Integrations
APPROVED

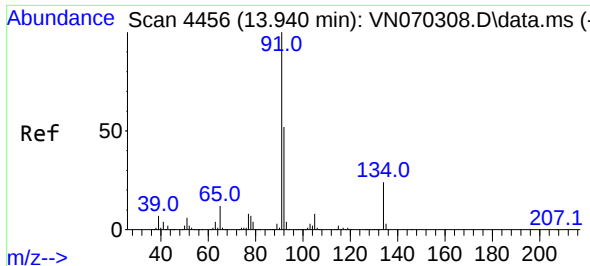
Reviewed By :John Carlone 01/14/2022
Supervised By :Mahesh Dadoda 01/14/2022



#88
1,4-Dichlorobenzene
Concen: 10.084 ug/l
RT: 13.694 min Scan# 4364
Delta R.T. -0.000 min
Lab File: VN070607.D
Acq: 13 Jan 2022 13:17

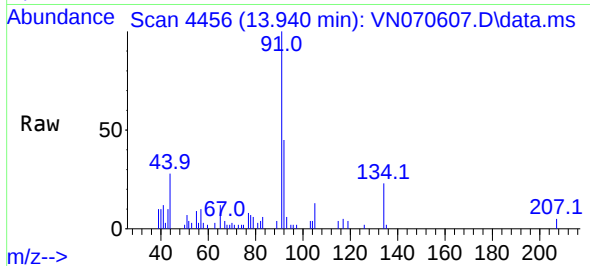
Tgt Ion:146 Resp: 158377
Ion Ratio Lower Upper
146 100
111 43.1 18.3 54.8
148 64.3 31.8 95.4





#89
n-Butylbenzene
Concen: 0.573 ug/l
RT: 13.940 min Scan# 4456
Delta R.T. 0.000 min
Lab File: VN070607.D
Acq: 13 Jan 2022 13:17

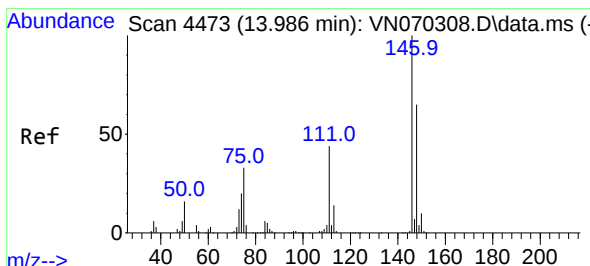
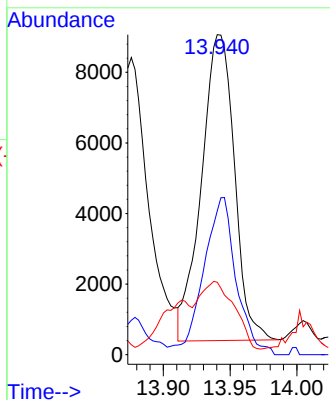
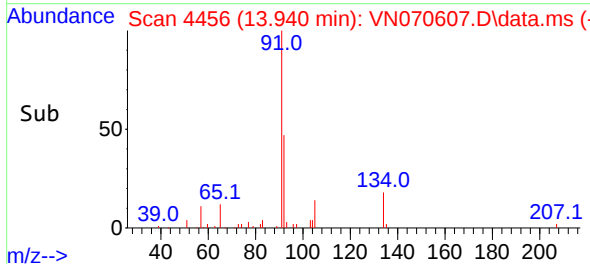
Instrument :
MSVOA_N
ClientSampleId :
220112013-02-VOA



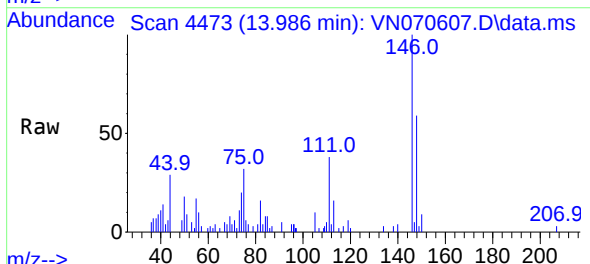
Tgt Ion: 91 Resp: 14912
Ion Ratio Lower Upper
91 100
92 50.5 25.4 76.0
134 23.5 13.6 40.8

Manual Integrations
APPROVED

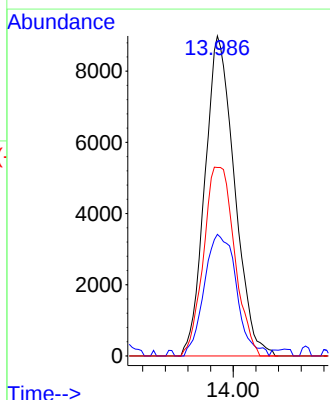
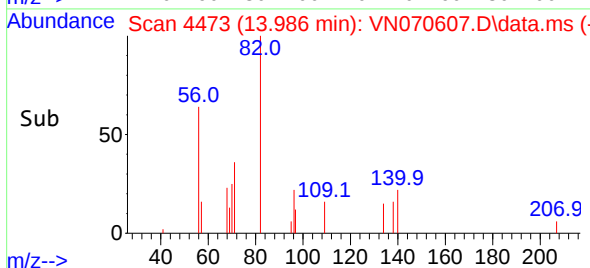
Reviewed By :John Carlone 01/14/2022
Supervised By :Mahesh Dadoda 01/14/2022

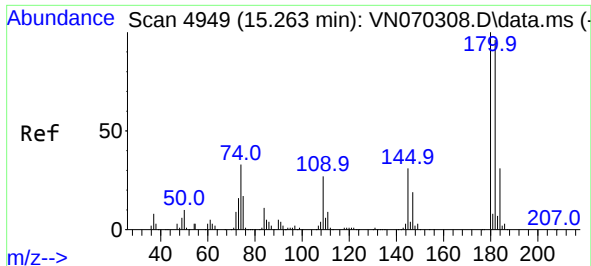


#91
1,2-Dichlorobenzene
Concen: 1.045 ug/l
RT: 13.986 min Scan# 4473
Delta R.T. -0.000 min
Lab File: VN070607.D
Acq: 13 Jan 2022 13:17



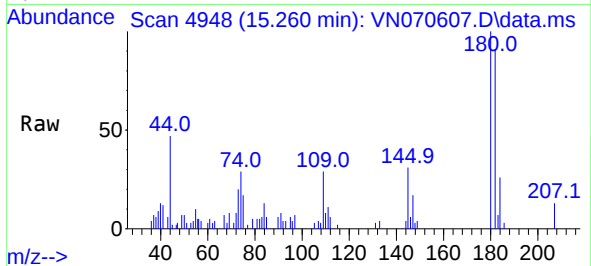
Tgt Ion:146 Resp: 16307
Ion Ratio Lower Upper
146 100
111 41.4 19.1 57.3
148 61.8 32.1 96.3





#93
1,2,4-Trichlorobenzene
Concen: 1.641 ug/l
RT: 15.260 min Scan# 4949
Delta R.T. -0.003 min
Lab File: VN070607.D
Acq: 13 Jan 2022 13:17

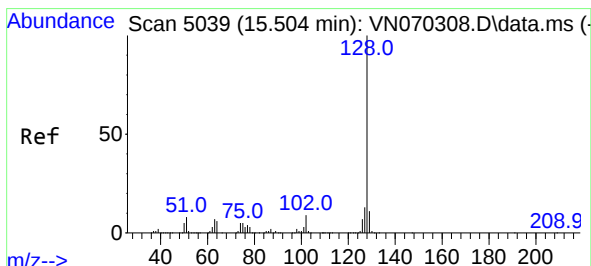
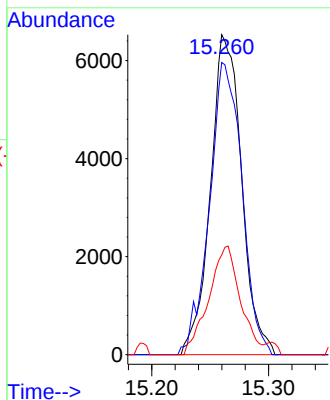
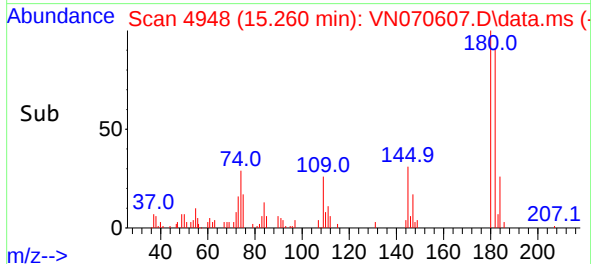
Instrument :
MSVOA_N
ClientSampleId :
220112013-02-VOA



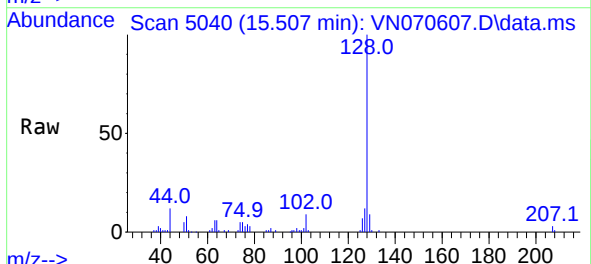
Tgt Ion:180 Resp: 1206
Ion Ratio Lower Upper
180 100
182 95.2 48.3 144.9
145 34.6 14.5 43.5

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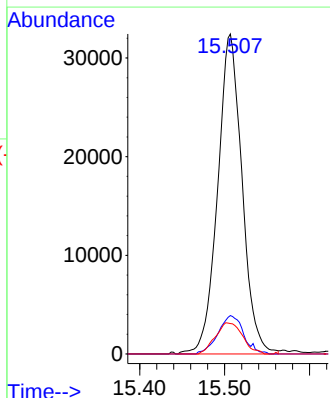
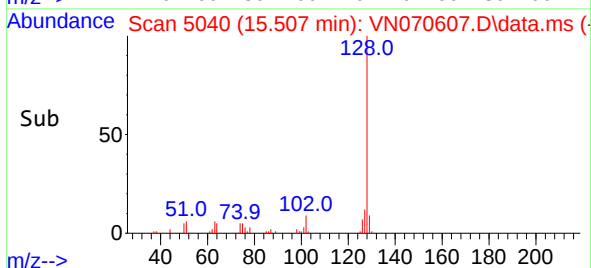
Reviewed By :John Carlone 01/14/2022
Supervised By :Mahesh Dadoda 01/14/2022

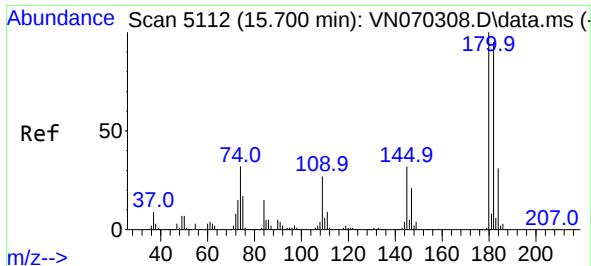


#95
Naphthalene
Concen: 4.861 ug/l
RT: 15.507 min Scan# 5040
Delta R.T. 0.003 min
Lab File: VN070607.D
Acq: 13 Jan 2022 13:17



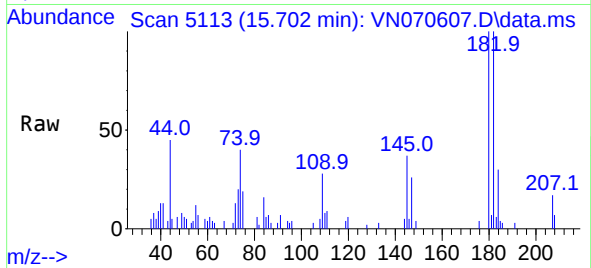
Tgt Ion:128 Resp: 64609
Ion Ratio Lower Upper
128 100
127 12.6 10.5 15.7
129 10.8 8.7 13.1





#96
 1,2,3-Trichlorobenzene
 Concen: 2.719 ug/l
 RT: 15.702 min Scan# 5113
 Delta R.T. 0.002 min
 Lab File: VN070607.D
 Acq: 13 Jan 2022 13:17

Instrument :
 MSVOA_N
 ClientSampleId :
 220112013-02-VOA



Tgt Ion	Ratio	Lower	Upper
180	100		
182	98.4	47.4	142.2
145	38.1	15.0	45.1

Manual Integrations
 APPROVED

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

