

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN020222\
 Data File : VN070895.D
 Acq On : 2 Feb 2022 15:28
 Operator : JC/MD
 Sample : IBLK
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

Manual Integrations
 APPROVED

Reviewed By : John Carlone 02/03/2022
 Supervised By : Mahesh Dadoda 02/04/2022

Quant Time: Feb 02 15:50:08 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N020222W.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 02 15:30:39 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.088	168	1034351	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	1613706	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	1417338	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	548955	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	630638	45.042	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	90.080%		
35) Dibromofluoromethane	8.021	113	465994	48.205	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	96.400%		
50) Toluene-d8	10.443	98	1947219	49.059	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	98.120%		
62) 4-Bromofluorobenzene	12.731	95	660325	46.171	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	92.340%		
Target Compounds						
					Qvalue	
29) Tetrahydrofuran	7.699	42	7979	1.017	ug/l #	72
74) N-amyl acetate	12.390	43	31099	1.450	ug/l	98
76) 1,2,3-Trichloropropane	12.878	75	13419	1.016	ug/l	81
87) 1,3-Dichlorobenzene	13.618	146	21411	1.121	ug/l	92
88) 1,4-Dichlorobenzene	13.694	146	28501m	1.492	ug/l	
89) n-Butylbenzene	13.943	91	51086	1.552	ug/l	97
91) 1,2-Dichlorobenzene	13.991	146	24130	1.317	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.605	75	7475	2.486	ug/l	83
93) 1,2,4-Trichlorobenzene	15.262	180	52453	5.173	ug/l	98
94) Hexachlorobutadiene	15.370	225	8668	1.416	ug/l	96
95) Naphthalene	15.504	128	261036	11.970	ug/l	100
96) 1,2,3-Trichlorobenzene	15.697	180	66839	8.378	ug/l	99

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

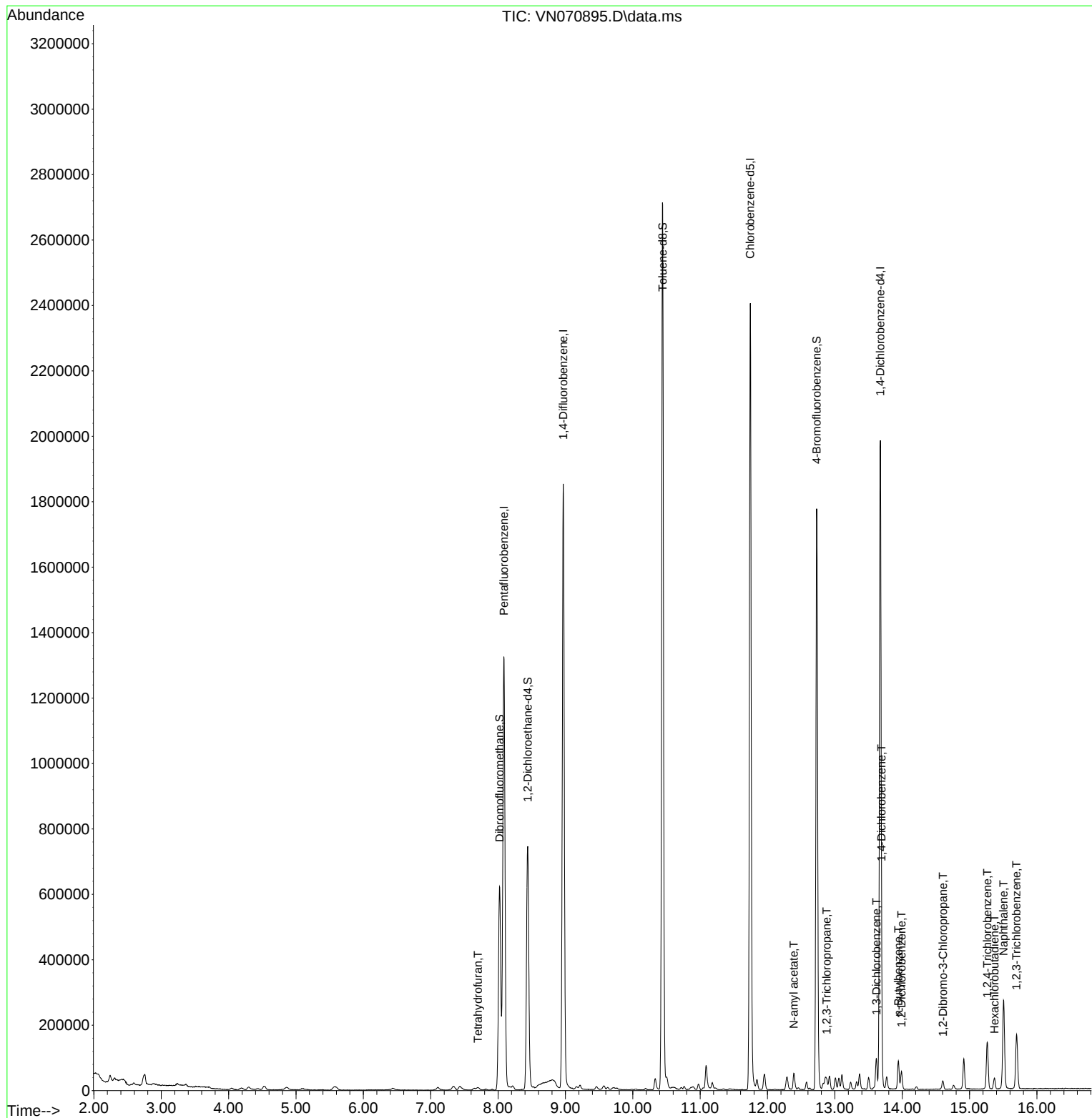
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN020222\
Data File : VN070895.D
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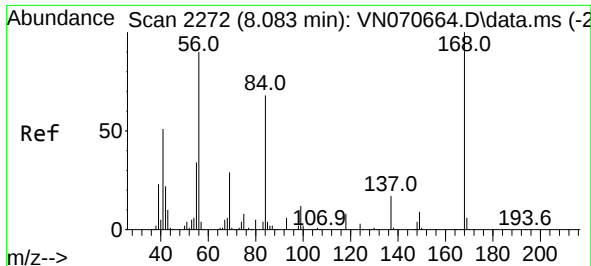
Instrument :
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IBLK

Quant Time: Feb 02 15:50:08 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N020222W.M
Quant Title : SW846 8260
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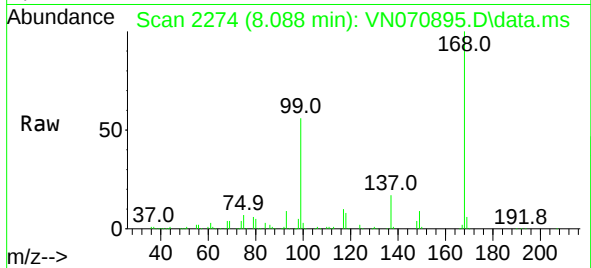
Reviewed By : John Carlone 02/03/2022
Supervised By : Mahesh Dadoda 02/04/2022





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 21
Delta R.T. 0.002 min
Lab File: VN070895.D
Acq: 2 Feb 2022 15:28

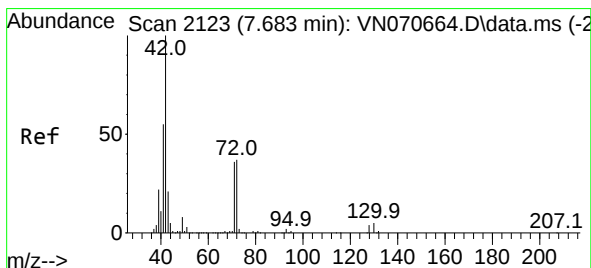
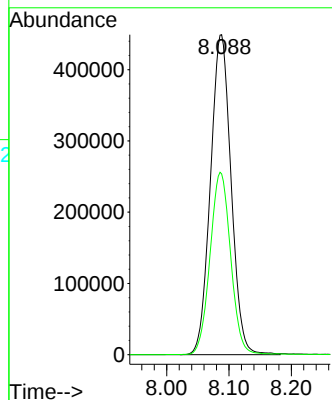
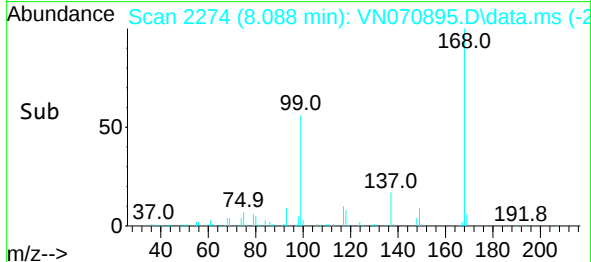
Instrument :
MSVOA_N
ClientSampleId :
IBLK



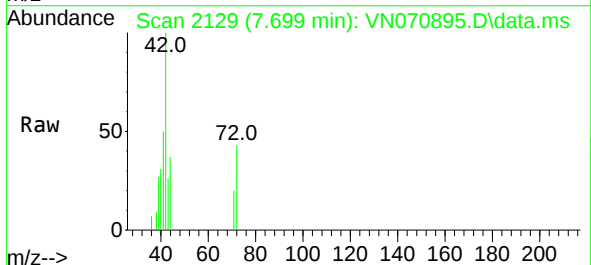
Tgt Ion:168 Resp: 103435
Ion Ratio Lower Upper
168 100
99 56.4 41.3 61.9

Manual Integrations
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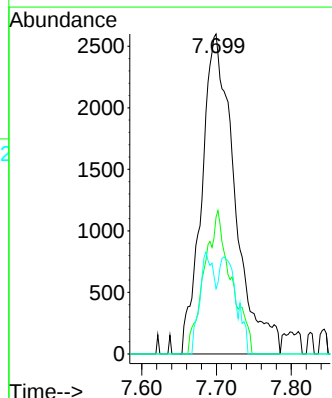
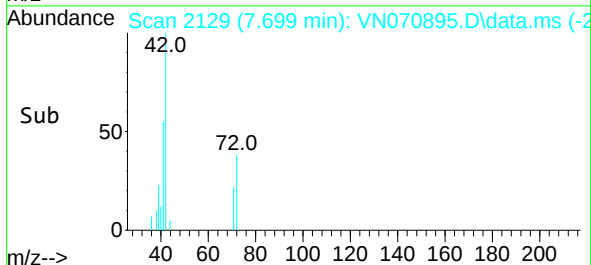
Reviewed By :John Carlone 02/03/2022
Supervised By :Mahesh Dadoda 02/04/2022

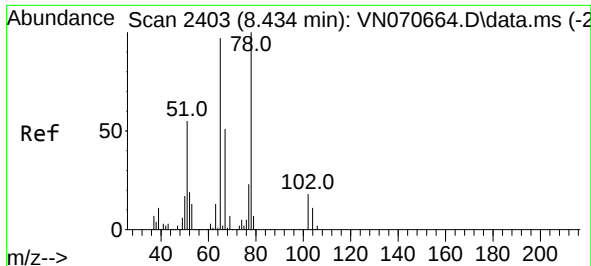


#29
Tetrahydrofuran
Concen: 1.017 ug/l
RT: 7.699 min Scan# 2129
Delta R.T. 0.013 min
Lab File: VN070895.D
Acq: 2 Feb 2022 15:28



Tgt Ion: 42 Resp: 7979
Ion Ratio Lower Upper
42 100
72 36.5 36.3 54.5
71 15.3 34.7 52.1#





#33

1,2-Dichloroethane-d4

Concen: 45.042 ug/l

RT: 8.440 min Scan# 2403

Delta R.T. 0.002 min

Lab File: VN070895.D

Acq: 2 Feb 2022 15:28

Instrument :

MSVOA_N

ClientSampleId :

IBLK

Tgt Ion: 65 Resp: 630638

Ion Ratio Lower Upper

65 100

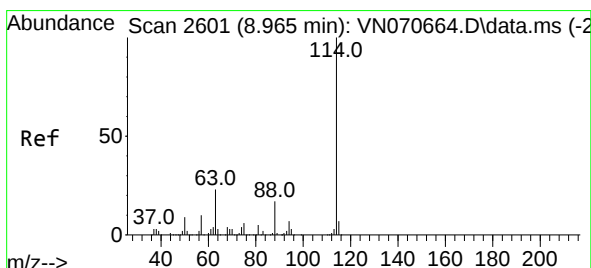
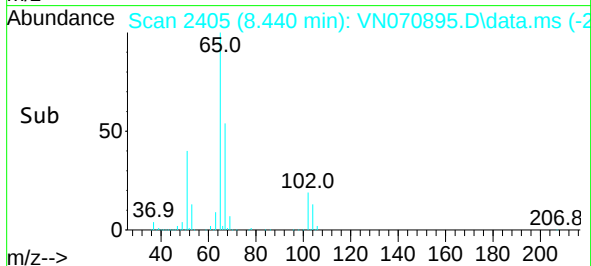
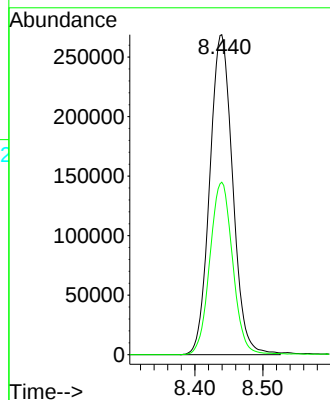
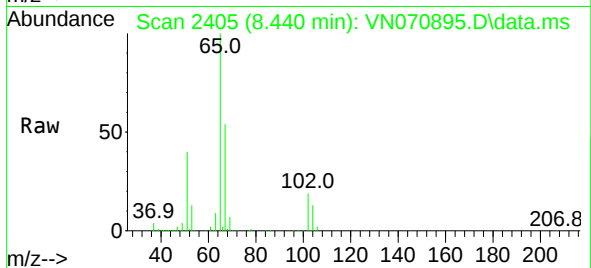
67 53.7 0.0 103.0

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.968 min Scan# 2602

Delta R.T. 0.002 min

Lab File: VN070895.D

Acq: 2 Feb 2022 15:28

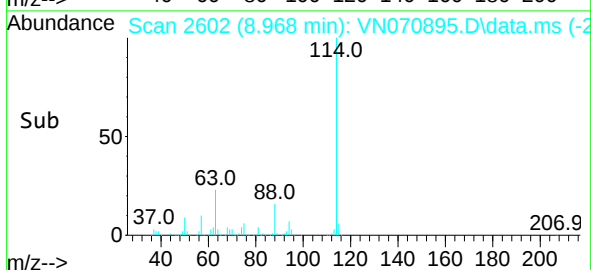
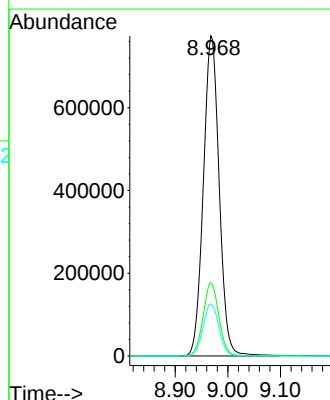
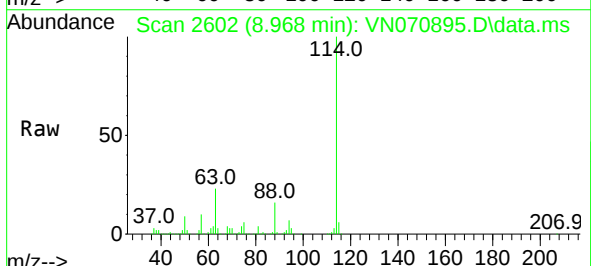
Tgt Ion:114 Resp: 1613706

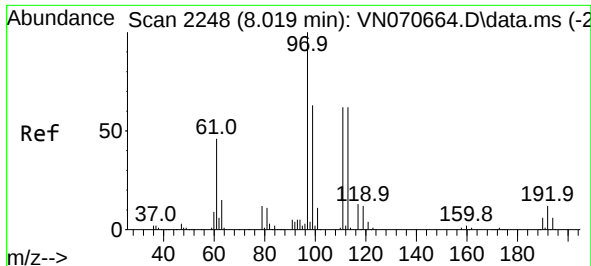
Ion Ratio Lower Upper

114 100

63 22.9 0.0 37.8

88 16.2 0.0 27.4





#35

Dibromofluoromethane

Concen: 48.205 ug/l

RT: 8.021 min Scan# 21

Delta R.T. -0.000 min

Lab File: VN070895.D

Acq: 2 Feb 2022 15:28

Instrument :

MSVOA_N

ClientSampleId :

IBLK

Tgt Ion:113 Resp: 465994

Ion Ratio Lower Upper

113 100

111 103.2 82.2 123.2

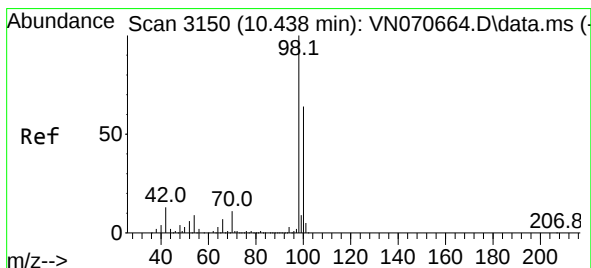
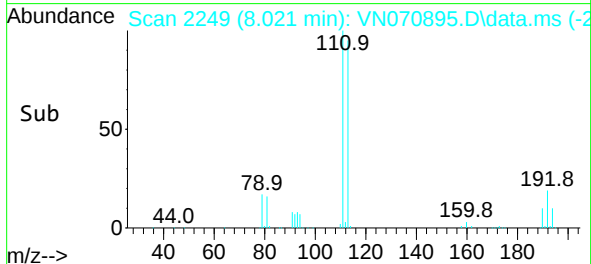
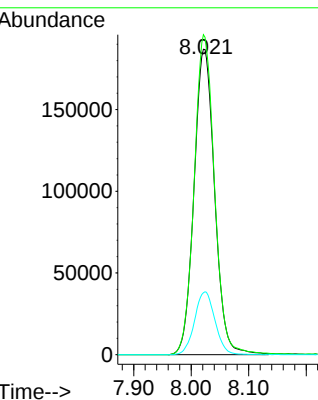
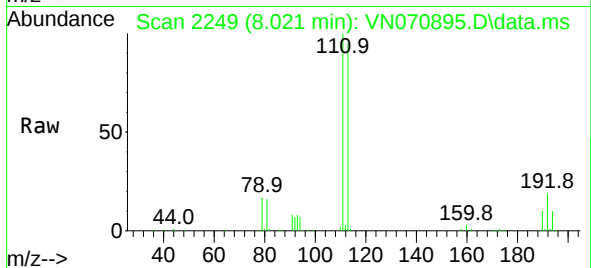
192 20.4 16.9 25.3

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#50

Toluene-d8

Concen: 49.059 ug/l

RT: 10.443 min Scan# 3152

Delta R.T. 0.002 min

Lab File: VN070895.D

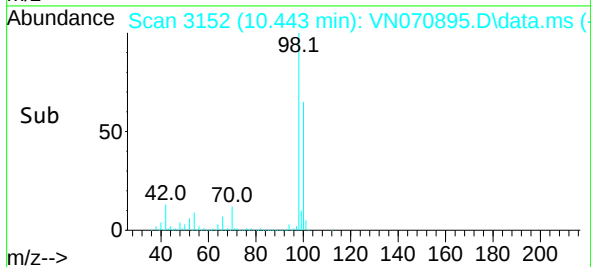
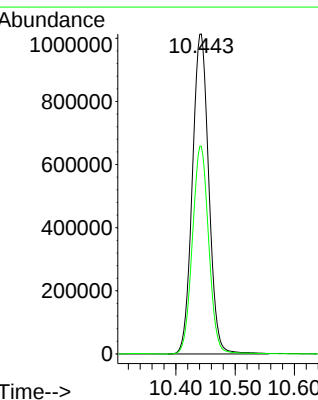
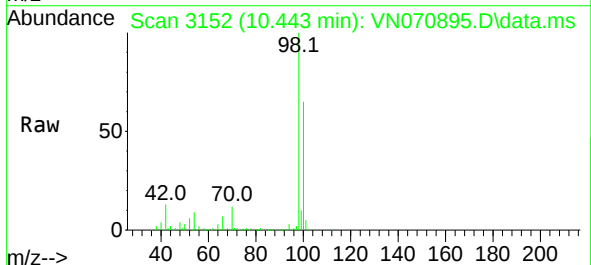
Acq: 2 Feb 2022 15:28

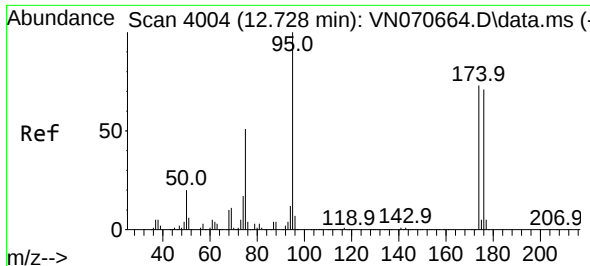
Tgt Ion: 98 Resp: 1947219

Ion Ratio Lower Upper

98 100

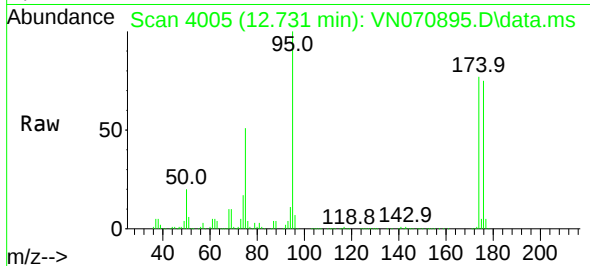
100 64.7 50.4 75.6





#62
4-Bromofluorobenzene
Concen: 46.171 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.000 min
Lab File: VN070895.D
Acq: 2 Feb 2022 15:28

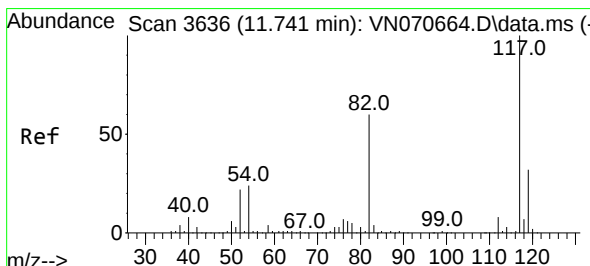
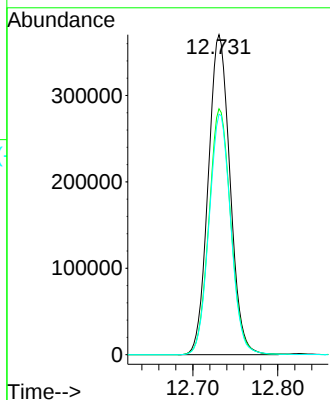
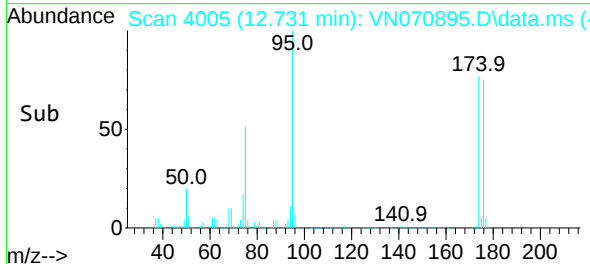
Instrument :
MSVOA_N
ClientSampleId :
IBLK



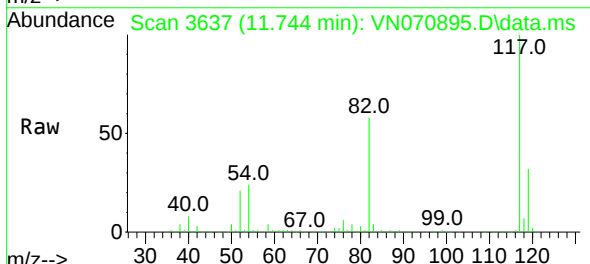
Tgt Ion: 95 Resp: 660325
Ion Ratio Lower Upper
95 100
174 77.4 0.0 187.2
176 74.9 0.0 181.4

Manual Integrations
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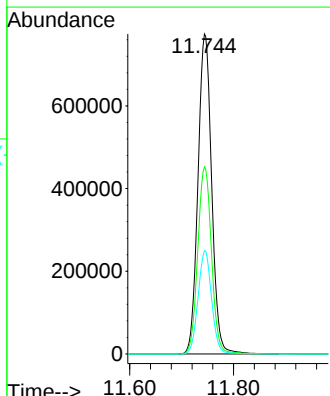
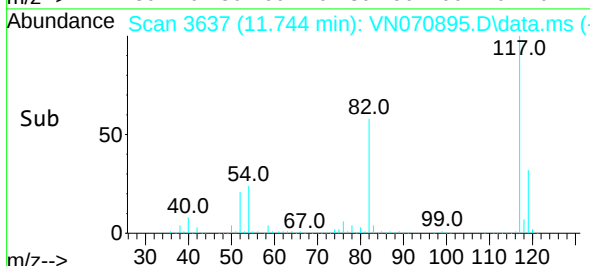
Reviewed By :John Carlone 02/03/2022
Supervised By :Mahesh Dadoda 02/04/2022

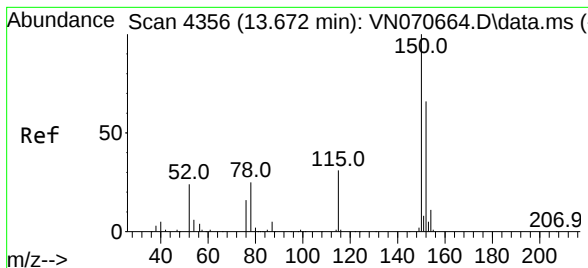


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.744 min Scan# 3637
Delta R.T. -0.000 min
Lab File: VN070895.D
Acq: 2 Feb 2022 15:28



Tgt Ion:117 Resp: 1417338
Ion Ratio Lower Upper
117 100
82 58.5 42.4 63.6
119 32.3 25.4 38.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.675 min Scan# 41

Delta R.T. 0.002 min

Lab File: VN070895.D

Acq: 2 Feb 2022 15:28

Instrument :

MSVOA_N

ClientSampleId :

IBLK

Tgt Ion:152 Resp: 54895

Ion Ratio Lower Upper

152 100

115 60.7 27.5 82.5

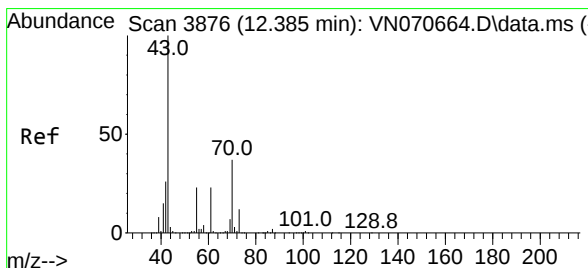
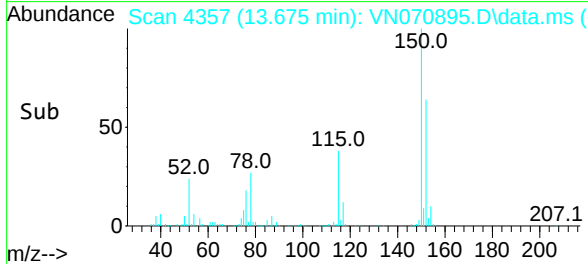
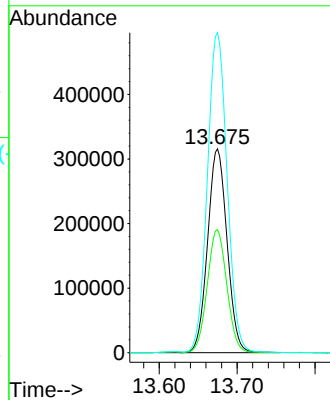
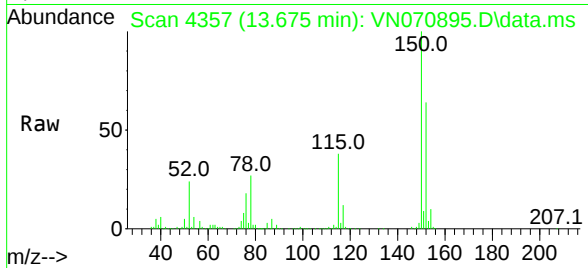
150 159.1 0.0 344.4

Manual Integrations

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#74

N-ethyl acetate

Concen: 1.450 ug/l

RT: 12.390 min Scan# 3878

Delta R.T. 0.002 min

Lab File: VN070895.D

Acq: 2 Feb 2022 15:28

Tgt Ion: 43 Resp: 31099

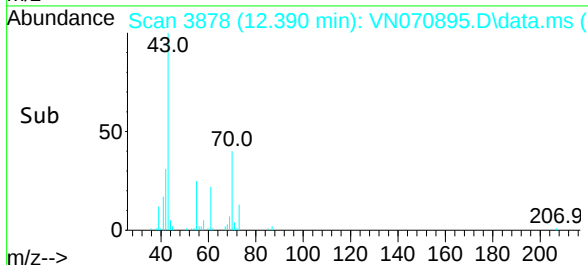
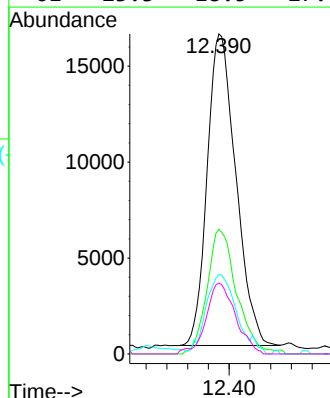
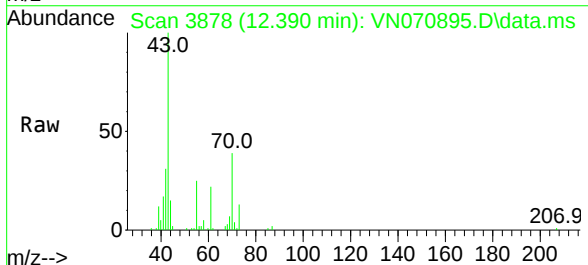
Ion Ratio Lower Upper

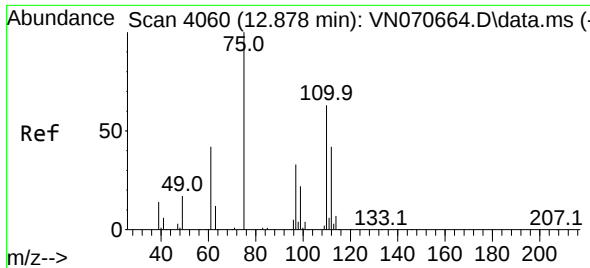
43 100

70 41.4 33.4 50.0

55 27.4 19.3 28.9

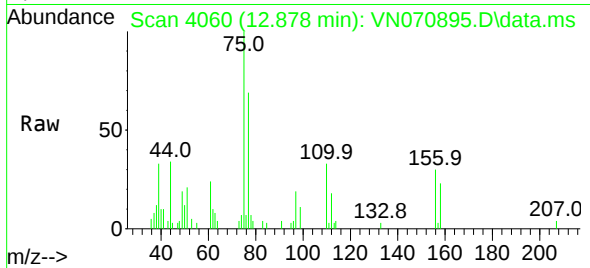
61 23.3 18.5 27.7





#76
1,2,3-Trichloropropane
Concen: 1.016 ug/l
RT: 12.878 min Scan# 4060
Delta R.T. -0.000 min
Lab File: VN070895.D
Acq: 2 Feb 2022 15:28

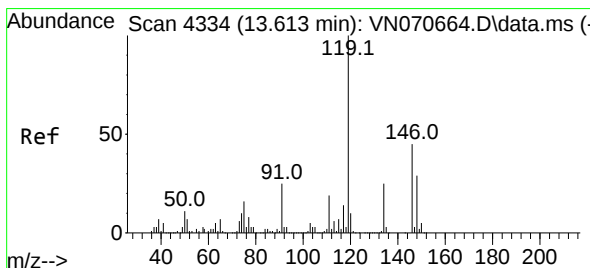
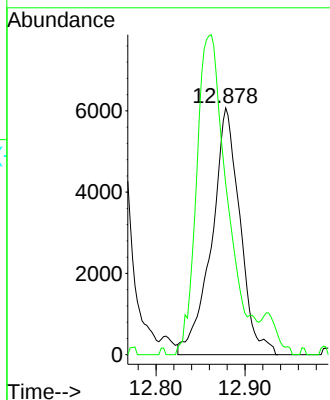
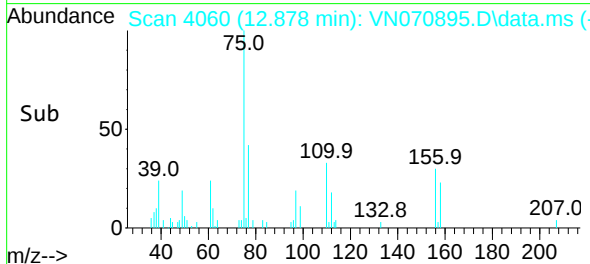
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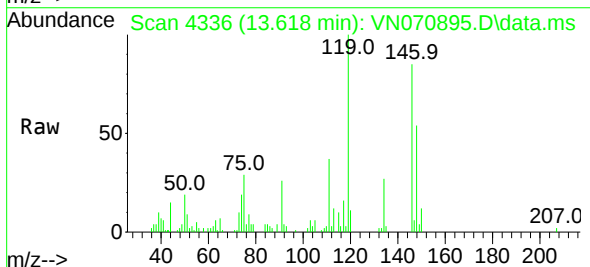
Tgt Ion: 75 Resp: 13419
Ion Ratio Lower Upper
75 100
77 140.2 82.6 247.8

Manual Integrations
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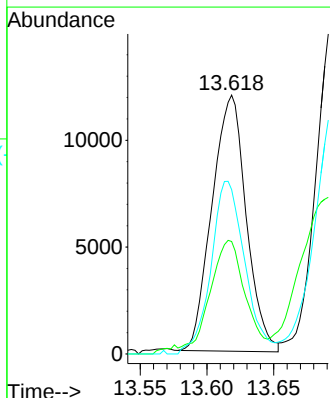
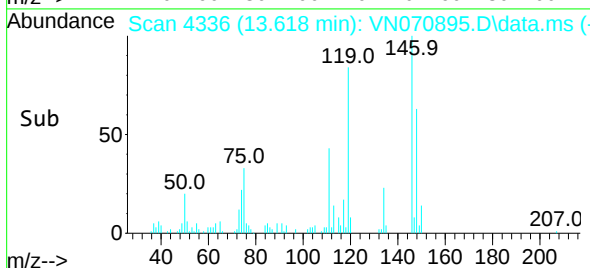
Reviewed By :John Carlone 02/03/2022
Supervised By :Mahesh Dadoda 02/04/2022

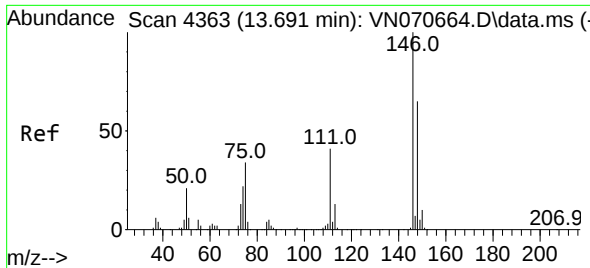


#87
1,3-Dichlorobenzene
Concen: 1.121 ug/l
RT: 13.618 min Scan# 4336
Delta R.T. 0.005 min
Lab File: VN070895.D
Acq: 2 Feb 2022 15:28



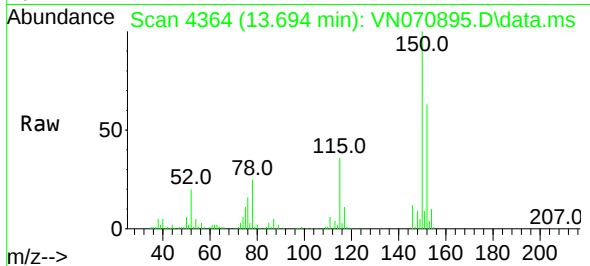
Tgt Ion:146 Resp: 21411
Ion Ratio Lower Upper
146 100
111 45.8 18.6 55.6
148 66.3 31.6 95.0





#88
1,4-Dichlorobenzene
Concen: 1.492 ug/l m
RT: 13.694 min Scan# 41
Delta R.T. -0.000 min
Lab File: VN070895.D
Acq: 2 Feb 2022 15:28

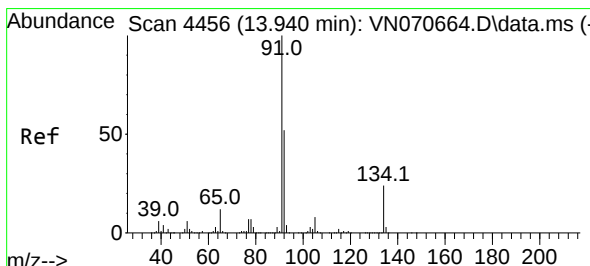
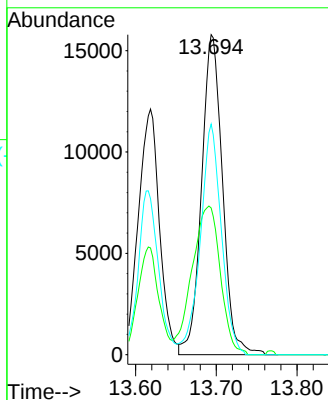
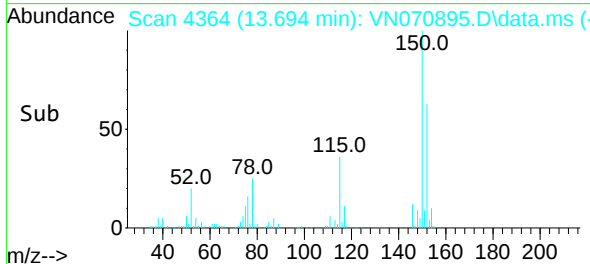
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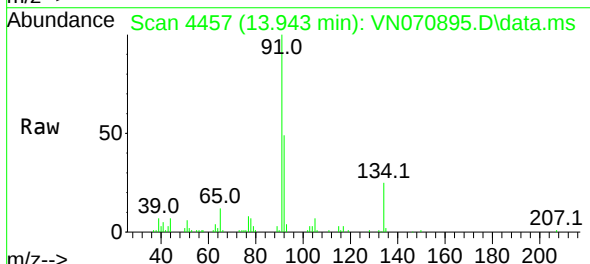
Tgt Ion:146 Resp: 2850
Ion Ratio Lower Upper
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111 34.4 18.3 54.8
148 49.8 31.8 95.4

Manual Integrations
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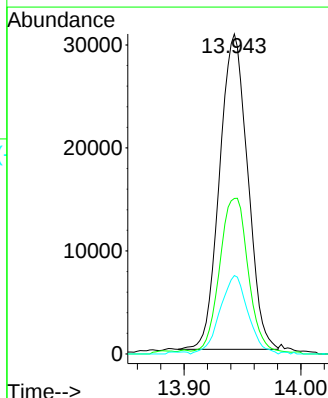
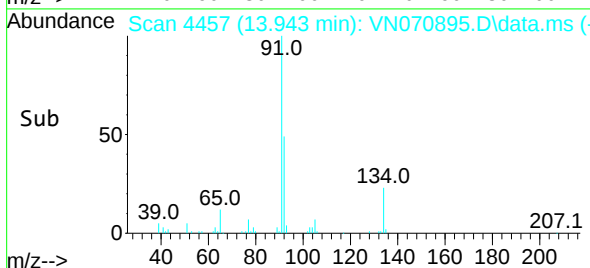
Reviewed By :John Carlone 02/03/2022
Supervised By :Mahesh Dadoda 02/04/2022

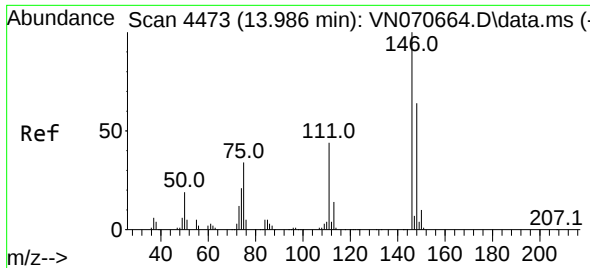


#89
n-Butylbenzene
Concen: 1.552 ug/l
RT: 13.943 min Scan# 4457
Delta R.T. 0.002 min
Lab File: VN070895.D
Acq: 2 Feb 2022 15:28



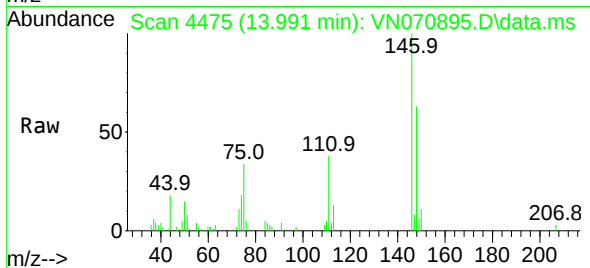
Tgt Ion: 91 Resp: 51086
Ion Ratio Lower Upper
91 100
92 49.5 25.4 76.0
134 24.8 13.6 40.8





#91
1,2-Dichlorobenzene
Concen: 1.317 ug/l
RT: 13.991 min Scan# 4475
Delta R.T. 0.005 min
Lab File: VN070895.D
Acq: 2 Feb 2022 15:28

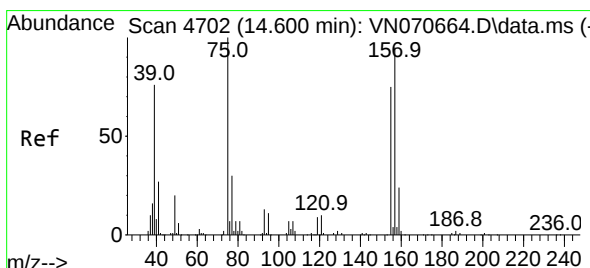
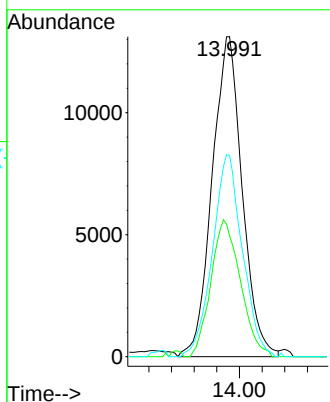
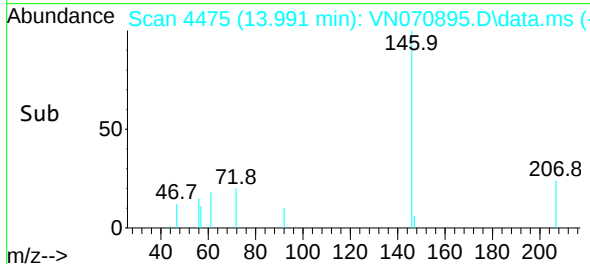
Instrument :
MSVOA_N
ClientSampleId :
IBLK



Tgt Ion:146 Resp: 24130
Ion Ratio Lower Upper
146 100
111 42.0 19.1 57.3
148 62.7 32.1 96.3

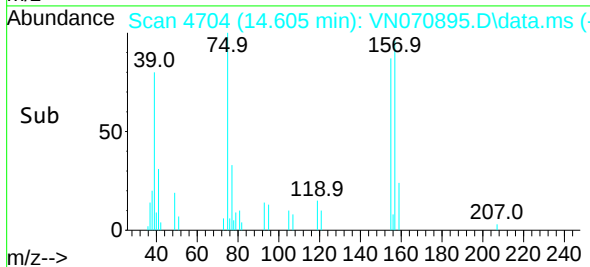
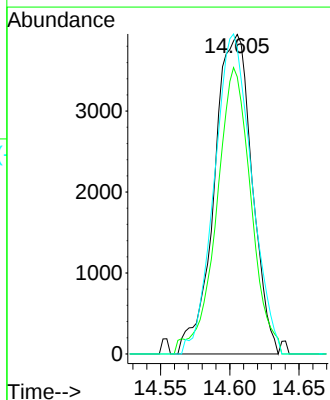
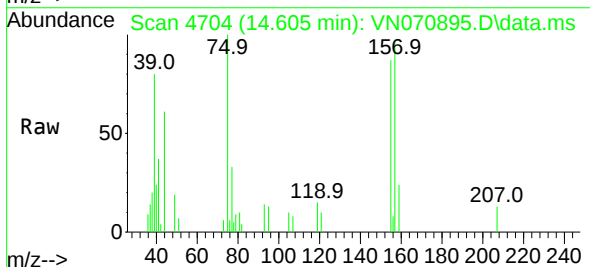
Manual Integrations
APPROVED

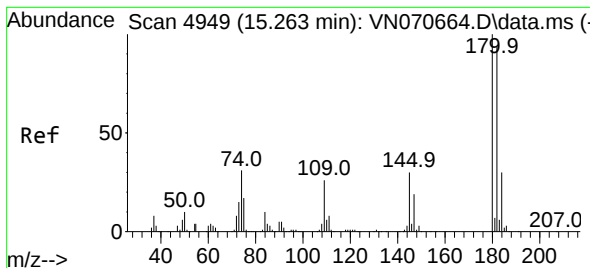
Reviewed By :John Carlone 02/03/2022
Supervised By :Mahesh Dadoda 02/04/2022



#92
1,2-Dibromo-3-Chloropropane
Concen: 2.486 ug/l
RT: 14.605 min Scan# 4704
Delta R.T. 0.002 min
Lab File: VN070895.D
Acq: 2 Feb 2022 15:28

Tgt Ion: 75 Resp: 7475
Ion Ratio Lower Upper
75 100
155 81.6 46.9 140.7
157 98.7 60.6 181.7





#93

1,2,4-Trichlorobenzene

Concen: 5.173 ug/l

RT: 15.262 min Scan# 4949

Delta R.T. -0.000 min

Lab File: VN070895.D

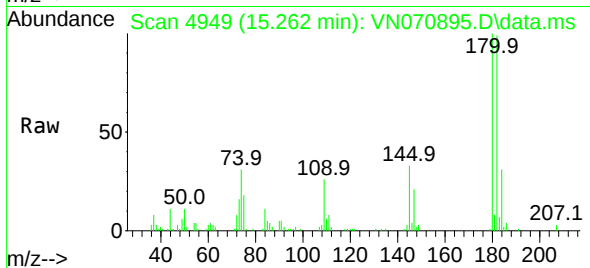
Acq: 2 Feb 2022 15:28

Instrument :

MSVOA_N

ClientSampleId :

IBLK



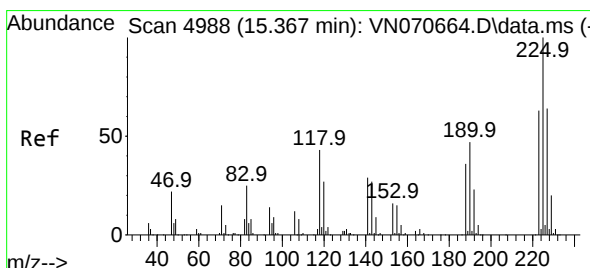
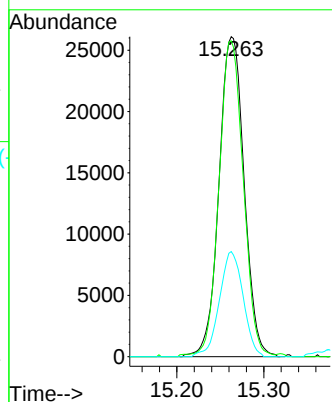
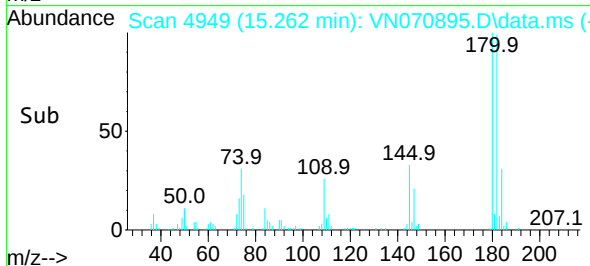
Tgt Ion:	180	Resp:	5245
Ion Ratio	Lower	Upper	
180	100		
182	95.7	48.3	144.9
145	31.0	14.5	43.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/03/2022

Supervised By :Mahesh Dadoda 02/04/2022



#94

Hexachlorobutadiene

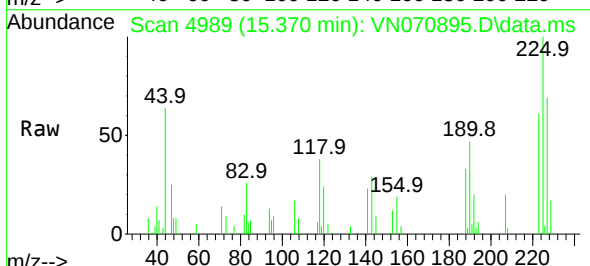
Concen: 1.416 ug/l

RT: 15.370 min Scan# 4989

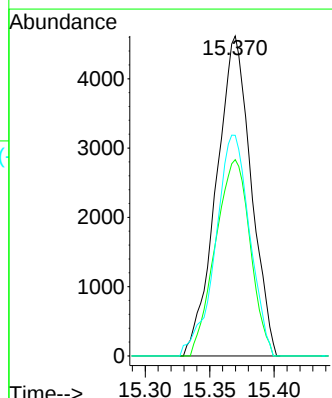
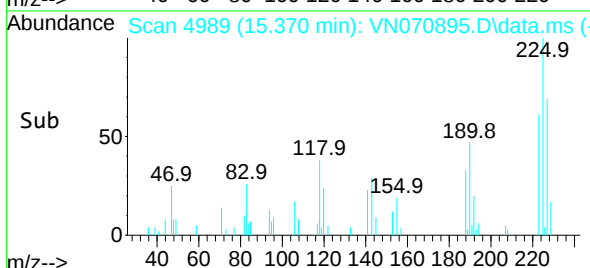
Delta R.T. 0.002 min

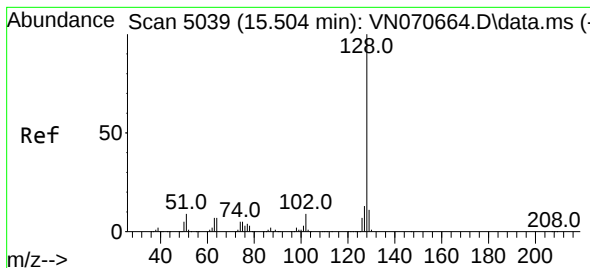
Lab File: VN070895.D

Acq: 2 Feb 2022 15:28



Tgt Ion:	225	Resp:	8668
Ion Ratio	Lower	Upper	
225	100		
223	61.3	31.9	95.7
227	67.8	32.1	96.3





#95

Naphthalene

Concen: 11.970 ug/l

RT: 15.504 min Scan# 5039

Delta R.T. -0.000 min

Lab File: VN070895.D

Acq: 2 Feb 2022 15:28

Instrument :

MSVOA_N

ClientSampleId :

IBLK

Tgt Ion:128 Resp: 261030

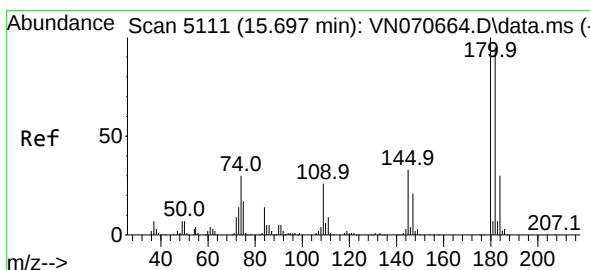
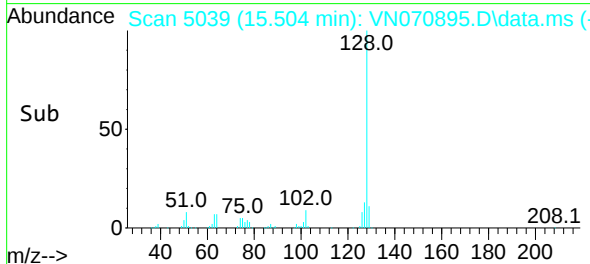
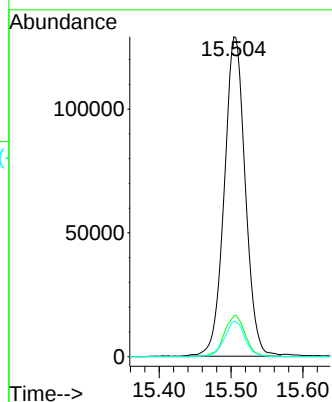
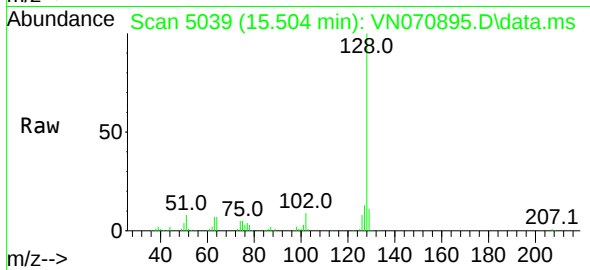
Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.5	15.7
129	10.8	8.7	13.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/03/2022

Supervised By :Mahesh Dadoda 02/04/2022



#96

1,2,3-Trichlorobenzene

Concen: 8.378 ug/l

RT: 15.697 min Scan# 5111

Delta R.T. -0.003 min

Lab File: VN070895.D

Acq: 2 Feb 2022 15:28

Tgt Ion:180 Resp: 66839

Ion	Ratio	Lower	Upper
180	100		
182	94.0	47.4	142.2
145	31.1	15.0	45.1

