

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071522\
 Data File : VN073485.D
 Acq On : 15 Jul 2022 15:01
 Operator : JC\MD
 Sample : N3726-06DL 100X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TW-ANOMDL

Manual Integrations
 APPROVED

Reviewed By : John Carlone 07/18/2022
 Supervised By : Mahesh Dadoda 07/18/2022

Quant Time: Jul 16 04:13:54 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N062822W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 29 01:54:03 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.016	168	264759	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.904	114	451527	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	416605	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.616	152	203723	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	176171	46.093	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	92.180%		
35) Dibromofluoromethane	7.951	113	145511	48.438	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	96.880%		
50) Toluene-d8	10.380	98	479966	44.985	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	89.980%		
62) 4-Bromofluorobenzene	12.669	95	207282	50.554	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	101.100%		
Target Compounds						
					Qvalue	
31) Cyclohexane	8.016	56	12462	1.991	ug/l	# 45
39) Methylcyclohexane	9.392	83	5255	0.913	ug/l	89
52) Toluene	10.445	92	58491	6.635	ug/l	95
67) Ethyl Benzene	11.786	91	359691	21.028	ug/l	99
68) m/p-Xylenes	11.886	106	569199	88.171	ug/l	94
69) o-Xylene	12.222	106	186706	28.331	ug/l	96
73) Isopropylbenzene	12.516	105	19008	1.080	ug/l	98
78) n-propylbenzene	12.857	91	64945	3.323	ug/l	97
80) 1,3,5-Trimethylbenzene	12.998	105	91820	6.403	ug/l	98
84) 1,2,4-Trimethylbenzene	13.310	105	394545	27.559	ug/l	97
85) sec-Butylbenzene	13.439	105	4268m	0.247	ug/l	
89) n-Butylbenzene	13.880	91	4630	0.398	ug/l	# 82
95) Naphthalene	15.433	128	181248	11.544	ug/l	100

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

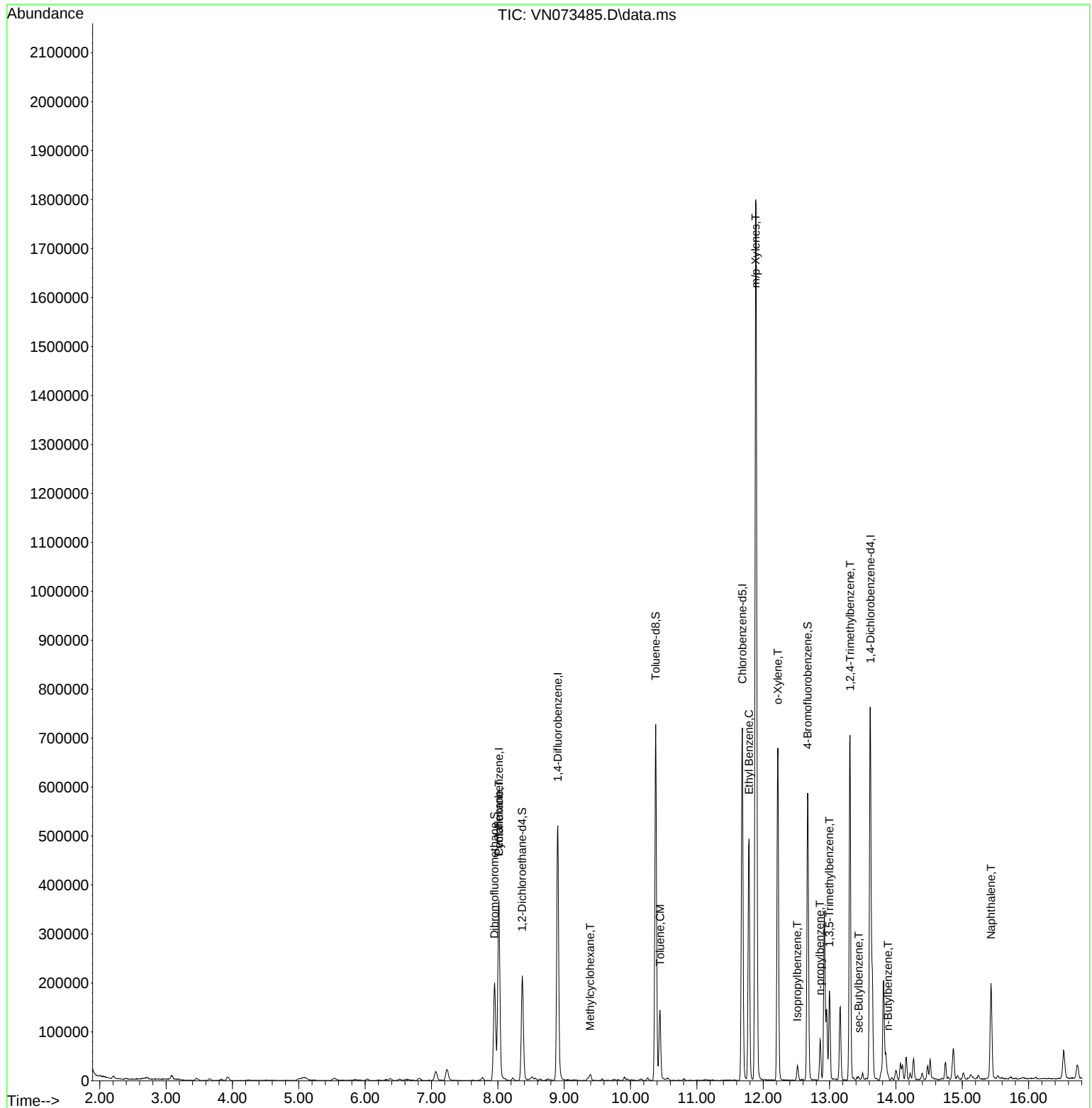
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071522\
Data File : VN073485.D
Acq On : 15 Jul 2022 15:01
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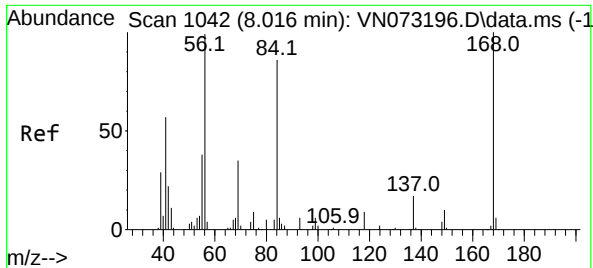
Instrument :
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ClientSampleId :
TW-ANOMDL

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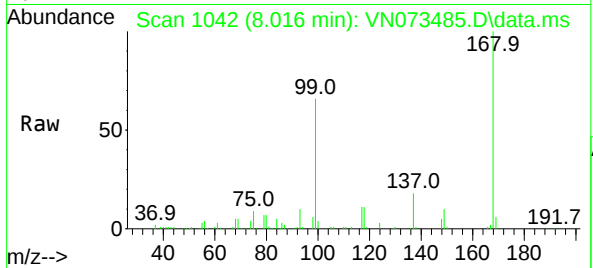
Quant Time: Jul 16 04:13:54 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N062822W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 29 01:54:03 2022
Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.000 min
Lab File: VN073485.D
Acq: 15 Jul 2022 15:01

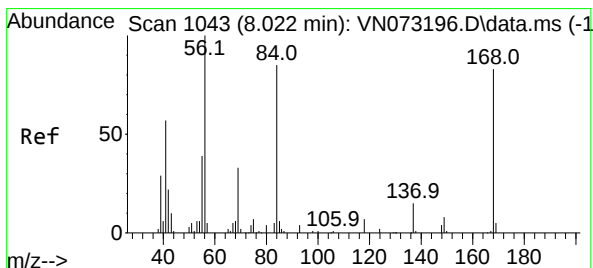
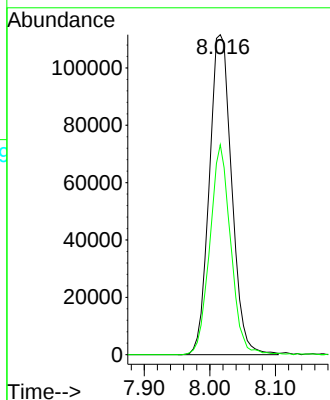
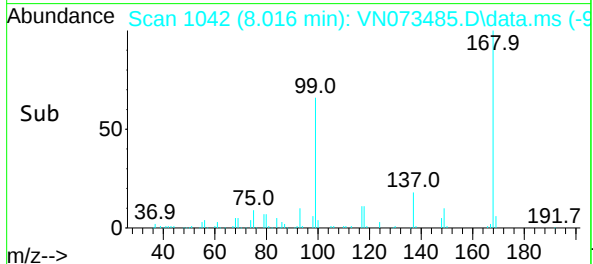
Instrument :
MSVOA_N
ClientSampleId :
TW-ANOMDL



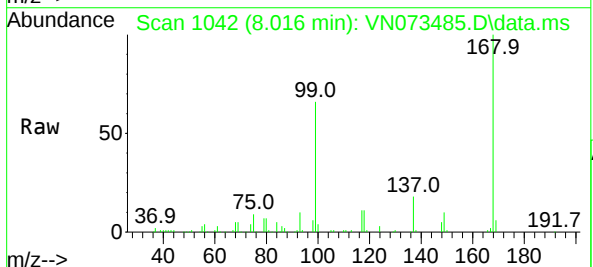
Tgt Ion:168 Resp: 264759
Ion Ratio Lower Upper
168 100
99 65.6 42.3 63.5

Manual Integrations
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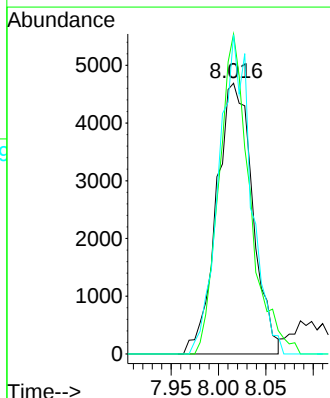
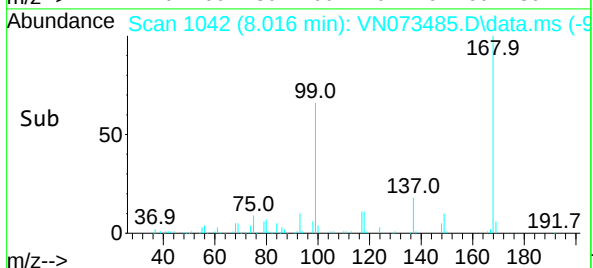
Reviewed By :John Carlone 07/18/2022
Supervised By :Mahesh Dadoda 07/18/2022



#31
Cyclohexane
Concen: 1.991 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.006 min
Lab File: VN073485.D
Acq: 15 Jul 2022 15:01



Tgt Ion: 56 Resp: 12462
Ion Ratio Lower Upper
56 100
69 118.2 27.8 41.8#
84 117.9 76.9 115.3#





#33

1,2-Dichloroethane-d4

Concen: 46.093 ug/l

RT: 8.369 min Scan# 1102

Delta R.T. -0.000 min

Lab File: VN073485.D

Acq: 15 Jul 2022 15:01

Instrument :

MSVOA_N

ClientSampleId :

TW-ANOMDL

Tgt Ion: 65 Resp: 17617

Ion Ratio Lower Upper

65 100

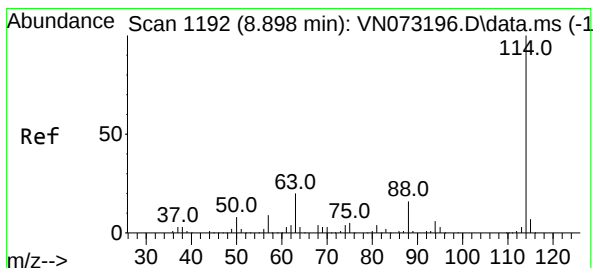
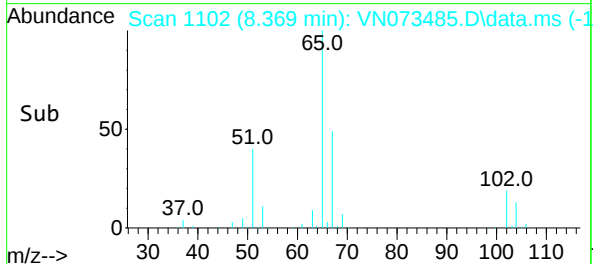
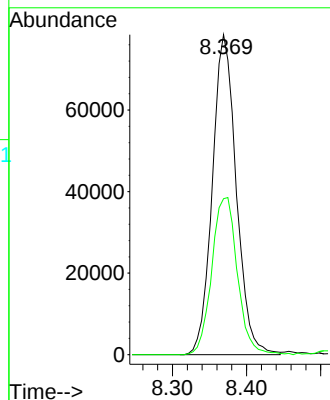
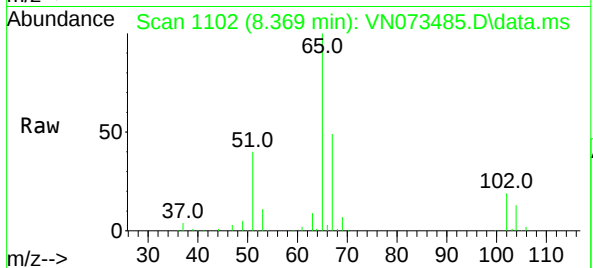
67 52.5 0.0 104.8

Manual Integrations

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.904 min Scan# 1193

Delta R.T. 0.006 min

Lab File: VN073485.D

Acq: 15 Jul 2022 15:01

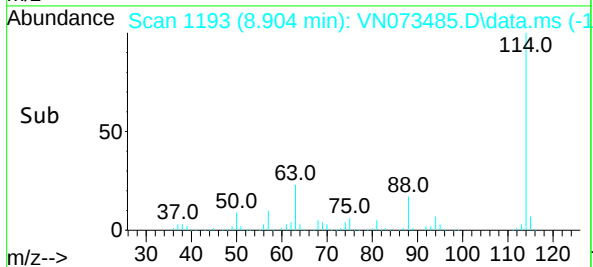
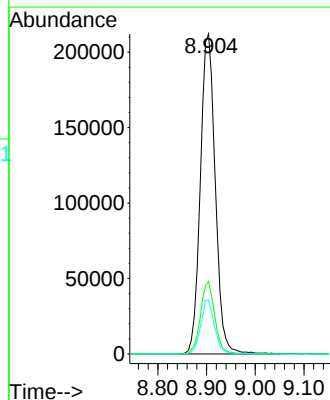
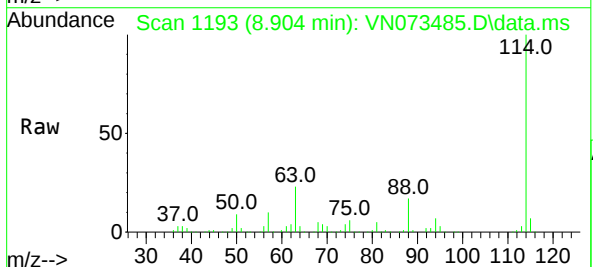
Tgt Ion:114 Resp: 451527

Ion Ratio Lower Upper

114 100

63 22.6 0.0 40.0

88 16.9 0.0 32.6





#35

Dibromofluoromethane

Concen: 48.438 ug/l

RT: 7.951 min Scan# 1031

Delta R.T. 0.000 min

Lab File: VN073485.D

Acq: 15 Jul 2022 15:01

Instrument :

MSVOA_N

ClientSampleId :

TW-ANOMDL

Tgt Ion: 113 Resp: 14551

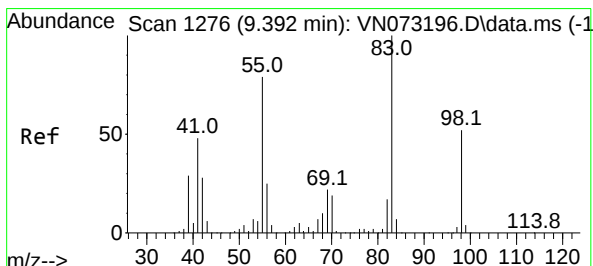
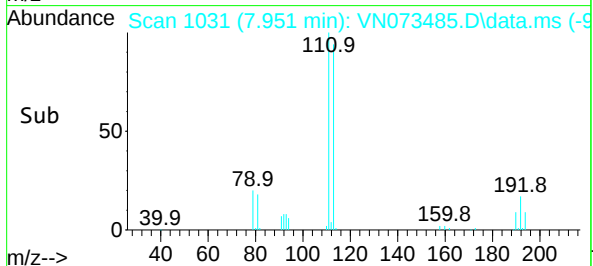
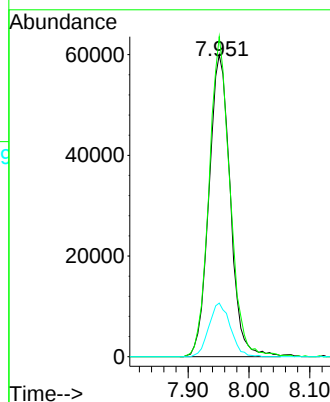
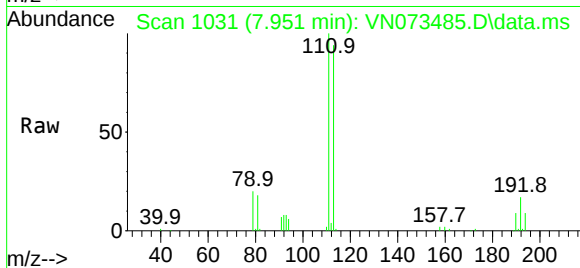
Ion	Ratio	Lower	Upper
113	100		
111	104.5	81.4	122.0
192	18.0	17.0	25.6

Manual Integrations

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Reviewed By :John Carlone 07/18/2022

Supervised By :Mahesh Dadoda 07/18/2022



#39

Methylcyclohexane

Concen: 0.913 ug/l

RT: 9.392 min Scan# 1276

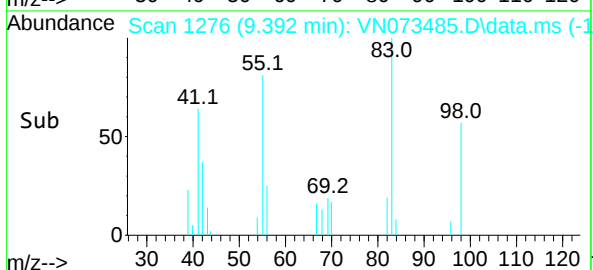
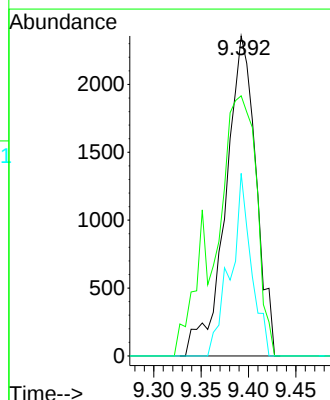
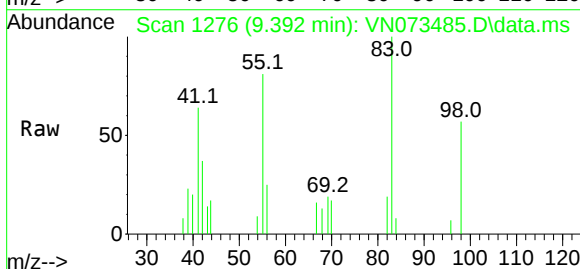
Delta R.T. 0.000 min

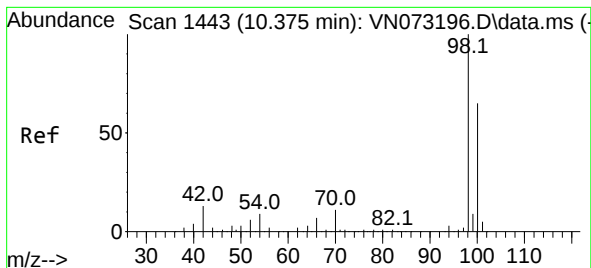
Lab File: VN073485.D

Acq: 15 Jul 2022 15:01

Tgt Ion: 83 Resp: 5255

Ion	Ratio	Lower	Upper
83	100		
55	81.3	57.8	86.8
98	57.1	39.4	59.2





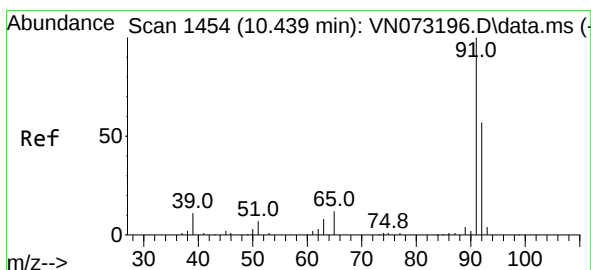
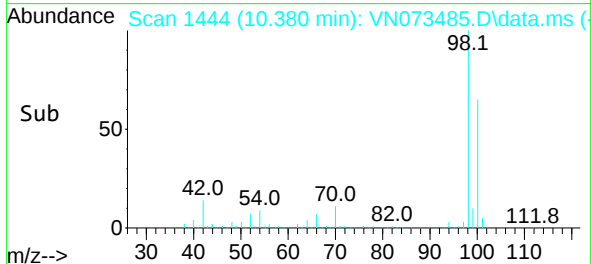
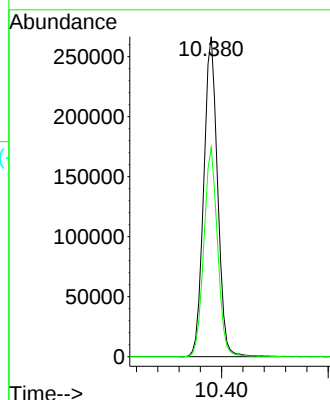
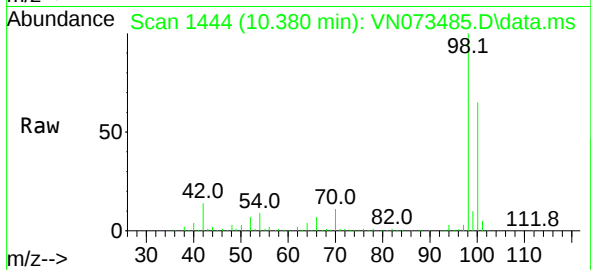
#50
Toluene-d8
Concen: 44.985 ug/l
RT: 10.380 min Scan# 1444
Delta R.T. 0.005 min
Lab File: VN073485.D
Acq: 15 Jul 2022 15:01

Instrument :
MSVOA_N
ClientSampleId :
TW-ANOMDL

Tgt Ion: 98 Resp: 47996
Ion Ratio Lower Upper
98 100
100 65.1 52.6 78.8

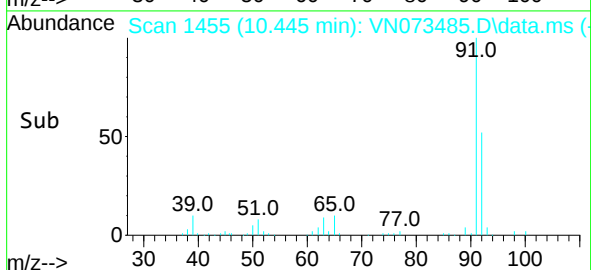
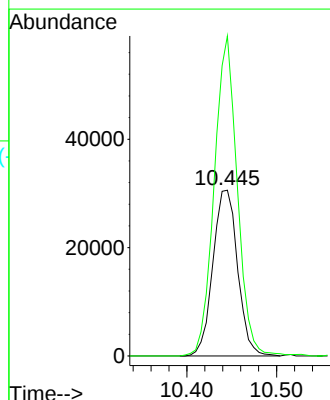
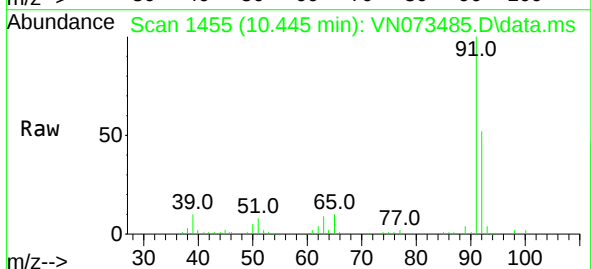
Manual Integrations
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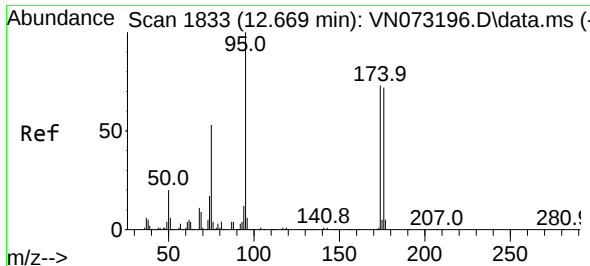
Reviewed By :John Carlone 07/18/2022
Supervised By :Mahesh Dadoda 07/18/2022



#52
Toluene
Concen: 6.635 ug/l
RT: 10.445 min Scan# 1455
Delta R.T. 0.006 min
Lab File: VN073485.D
Acq: 15 Jul 2022 15:01

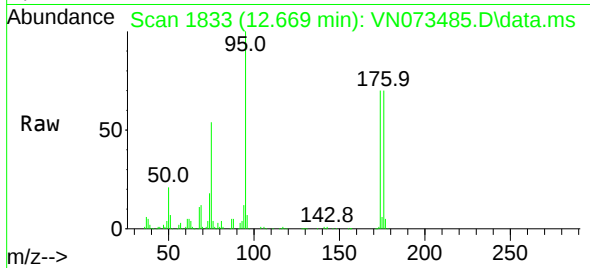
Tgt Ion: 92 Resp: 58491
Ion Ratio Lower Upper
92 100
91 180.6 138.6 207.8





#62
4-Bromofluorobenzene
Concen: 50.554 ug/l
RT: 12.669 min Scan# 1833
Delta R.T. -0.000 min
Lab File: VN073485.D
Acq: 15 Jul 2022 15:01

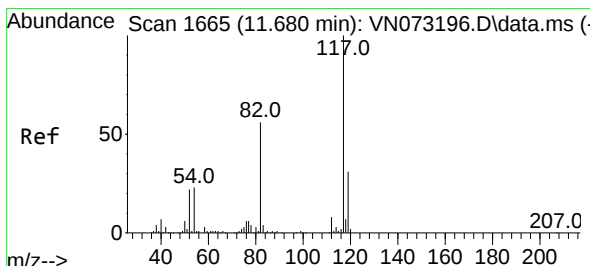
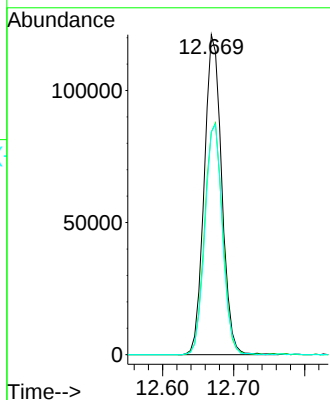
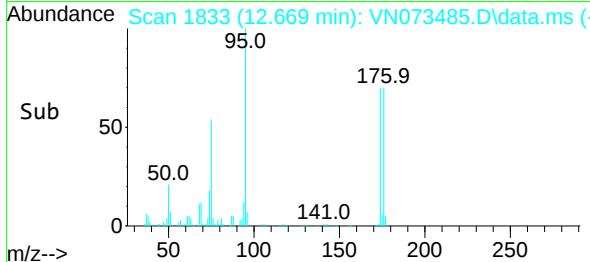
Instrument :
MSVOA_N
ClientSampleId :
TW-ANOMDL



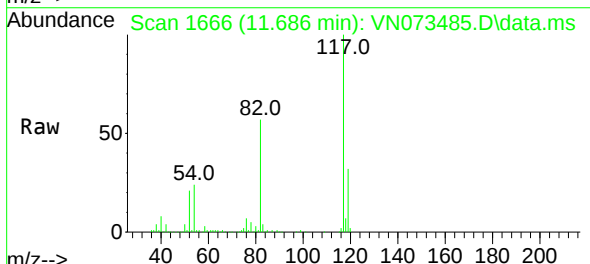
Tgt Ion: 95 Resp: 20728
Ion Ratio Lower Upper
95 100
174 74.1 0.0 167.6
176 72.1 0.0 163.4

Manual Integrations
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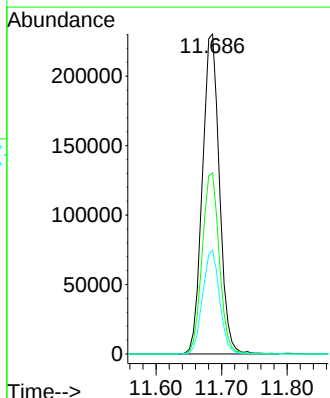
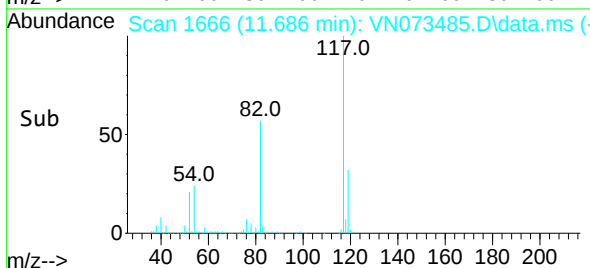
Reviewed By :John Carlone 07/18/2022
Supervised By :Mahesh Dadoda 07/18/2022

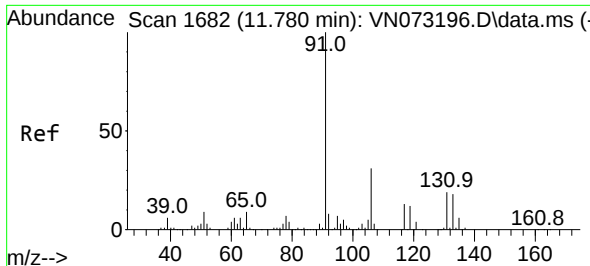


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.686 min Scan# 1666
Delta R.T. 0.006 min
Lab File: VN073485.D
Acq: 15 Jul 2022 15:01



Tgt Ion:117 Resp: 416605
Ion Ratio Lower Upper
117 100
82 56.5 44.2 66.2
119 32.4 25.4 38.0





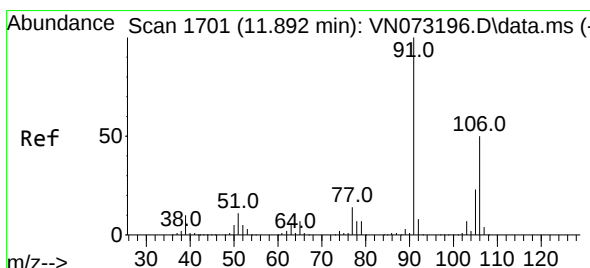
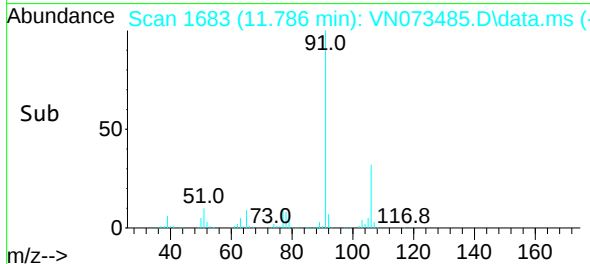
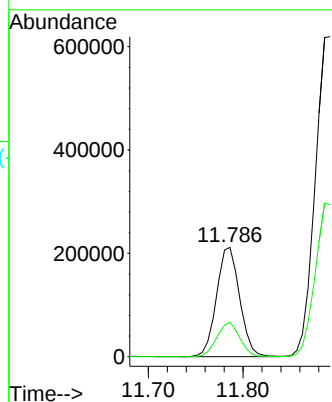
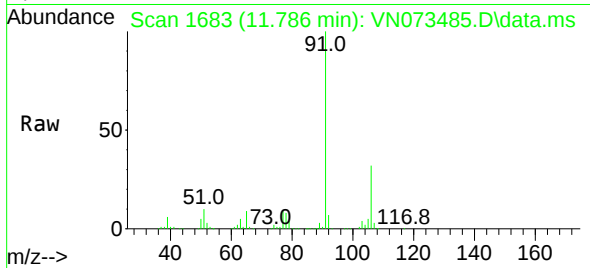
#67
Ethyl Benzene
Concen: 21.028 ug/l
RT: 11.786 min Scan# 1170
Delta R.T. 0.006 min
Lab File: VN073485.D
Acq: 15 Jul 2022 15:01

Instrument :
MSVOA_N
ClientSampleId :
TW-ANOMDL

Tgt Ion: 91 Resp: 35969
Ion Ratio Lower Upper
91 100
106 31.7 24.9 37.3

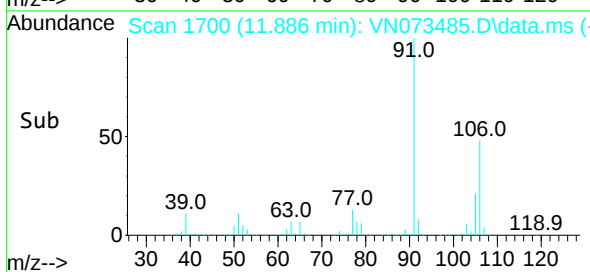
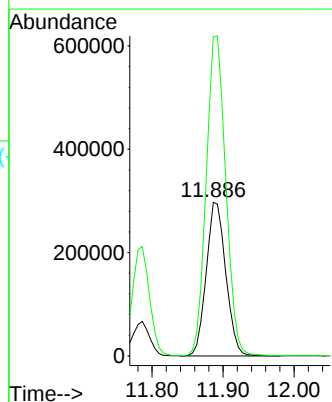
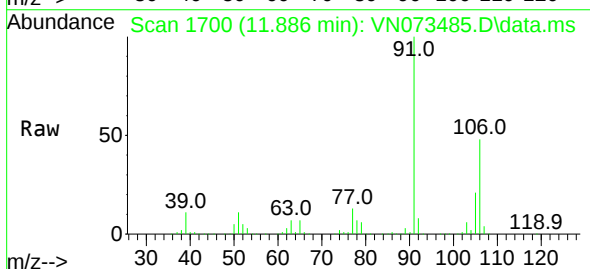
Manual Integrations
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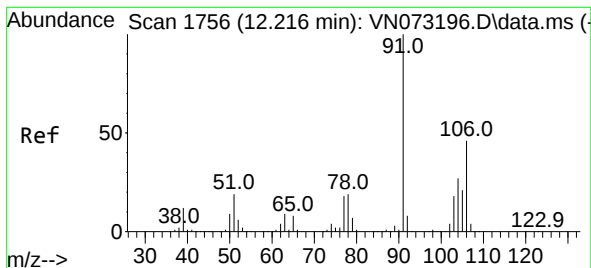
Reviewed By :John Carlone 07/18/2022
Supervised By :Mahesh Dadoda 07/18/2022



#68
m/p-Xylenes
Concen: 88.171 ug/l
RT: 11.886 min Scan# 1700
Delta R.T. -0.006 min
Lab File: VN073485.D
Acq: 15 Jul 2022 15:01

Tgt Ion:106 Resp: 569199
Ion Ratio Lower Upper
106 100
91 208.0 158.9 238.3





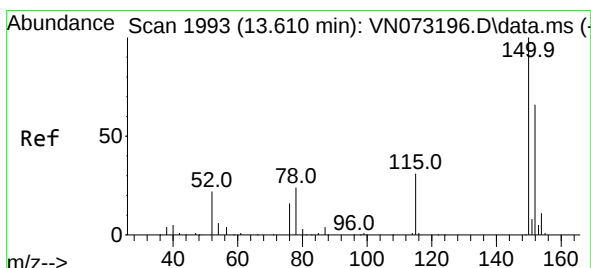
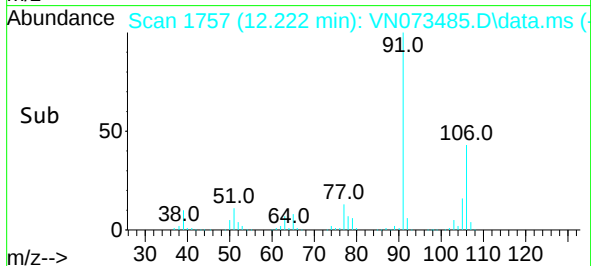
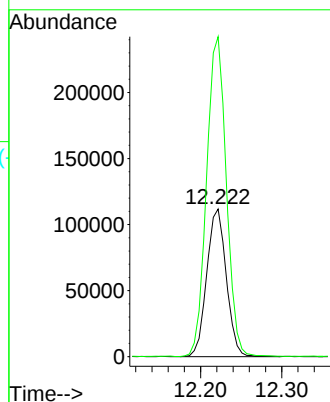
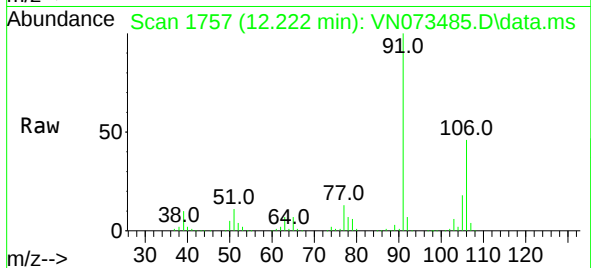
#69
o-Xylene
Concen: 28.331 ug/l
RT: 12.222 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN073485.D
Acq: 15 Jul 2022 15:01

Instrument :
MSVOA_N
ClientSampleId :
TW-ANOMDL

Tgt Ion:106 Resp: 186700
Ion Ratio Lower Upper
106 100
91 218.8 106.0 318.0

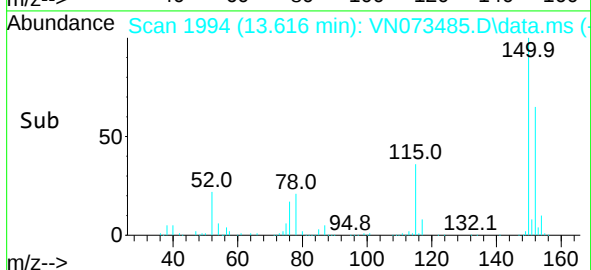
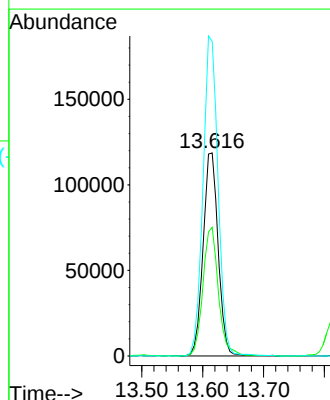
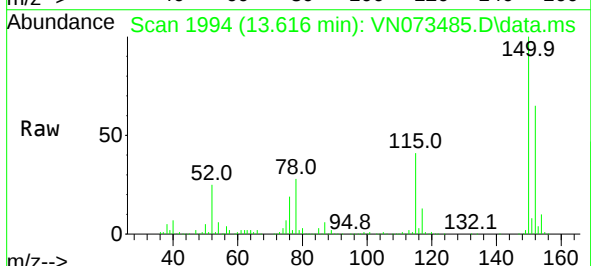
Manual Integrations
APPROVED

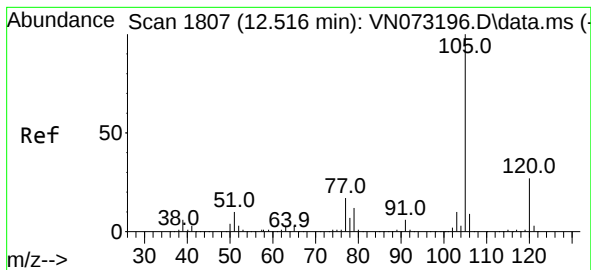
Reviewed By :John Carlone 07/18/2022
Supervised By :Mahesh Dadoda 07/18/2022



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.616 min Scan# 1994
Delta R.T. 0.006 min
Lab File: VN073485.D
Acq: 15 Jul 2022 15:01

Tgt Ion:152 Resp: 203723
Ion Ratio Lower Upper
152 100
115 65.2 28.9 86.7
150 157.3 0.0 356.2





#73

Isopropylbenzene

Concen: 1.080 ug/l

RT: 12.516 min Scan# 1807

Delta R.T. -0.000 min

Lab File: VN073485.D

Acq: 15 Jul 2022 15:01

Instrument :

MSVOA_N

ClientSampleId :

TW-ANOMDL

Tgt Ion:105 Resp: 1900

Ion Ratio Lower Upper

105 100

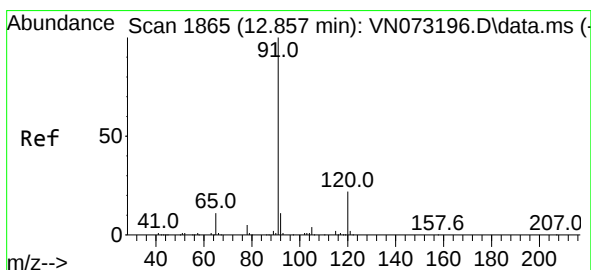
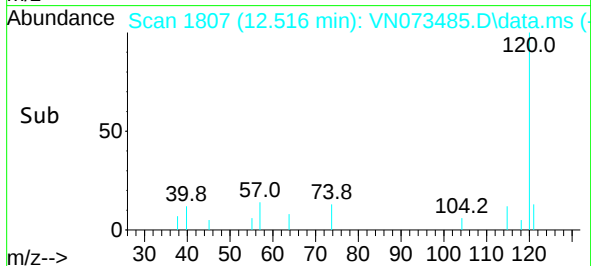
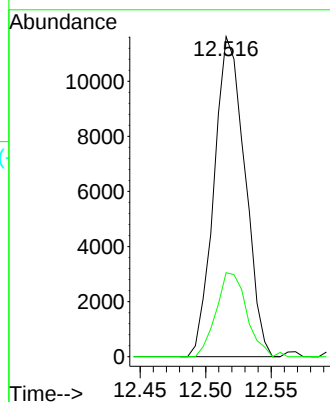
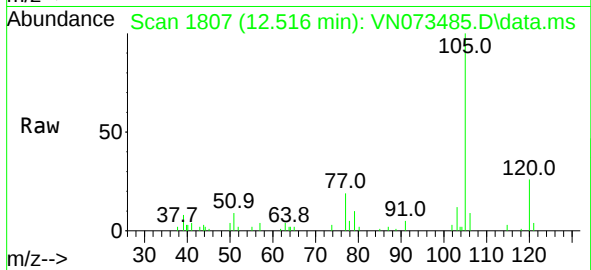
120 26.1 13.5 40.4

Manual Integrations

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Reviewed By :John Carlone 07/18/2022

Supervised By :Mahesh Dadoda 07/18/2022



#78

n-propylbenzene

Concen: 3.323 ug/l

RT: 12.857 min Scan# 1865

Delta R.T. -0.000 min

Lab File: VN073485.D

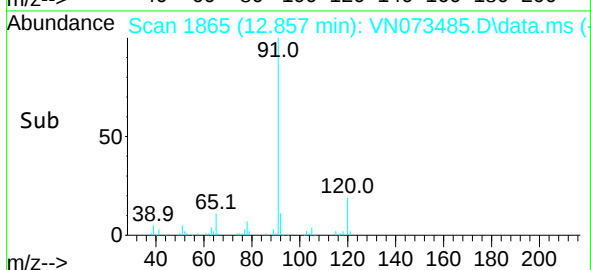
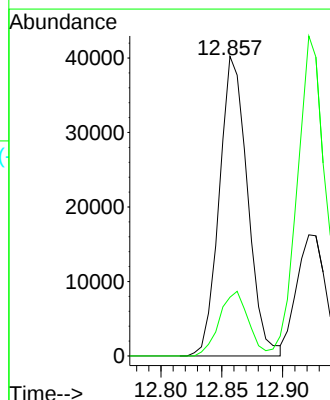
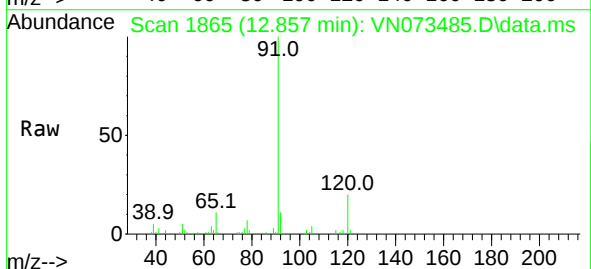
Acq: 15 Jul 2022 15:01

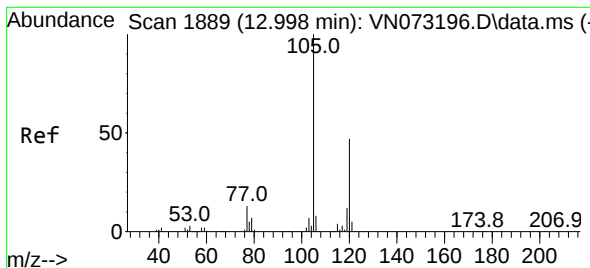
Tgt Ion: 91 Resp: 64945

Ion Ratio Lower Upper

91 100

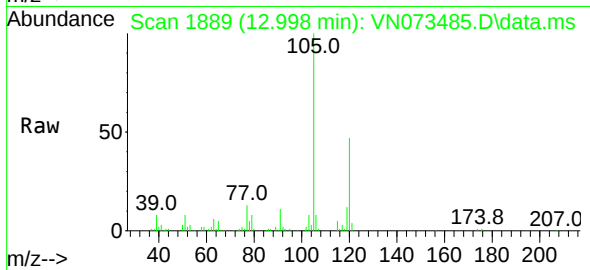
120 22.0 11.9 35.5





#80
 1,3,5-Trimethylbenzene
 Concen: 6.403 ug/l
 RT: 12.998 min Scan# 1889
 Delta R.T. -0.000 min
 Lab File: VN073485.D
 Acq: 15 Jul 2022 15:01

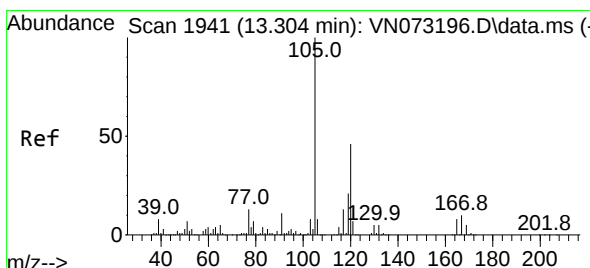
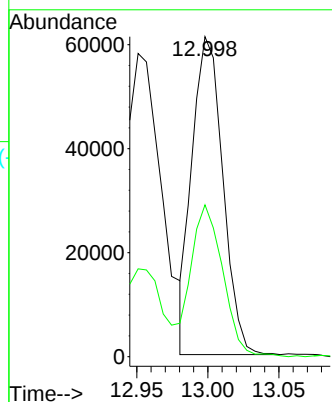
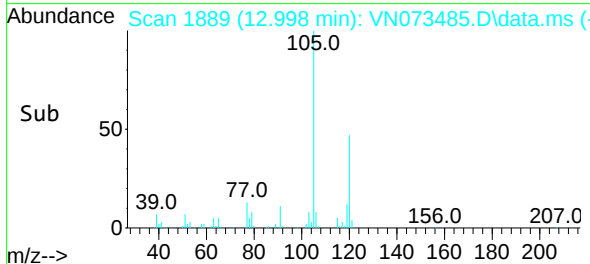
Instrument :
 MSVOA_N
 ClientSampleId :
 TW-ANOMDL



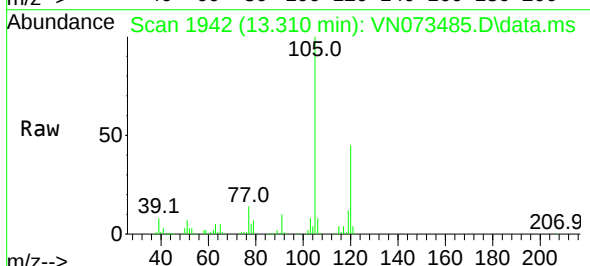
Tgt Ion:105 Resp: 91820
 Ion Ratio Lower Upper
 105 100
 120 50.8 24.9 74.7

Manual Integrations
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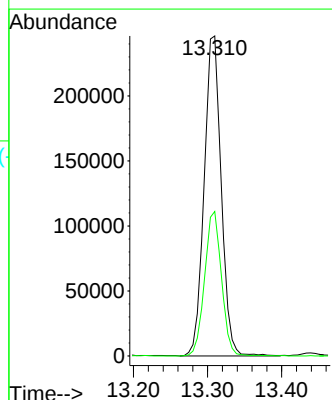
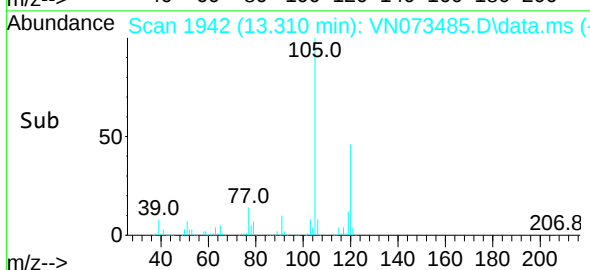
Reviewed By :John Carlone 07/18/2022
 Supervised By :Mahesh Dadoda 07/18/2022

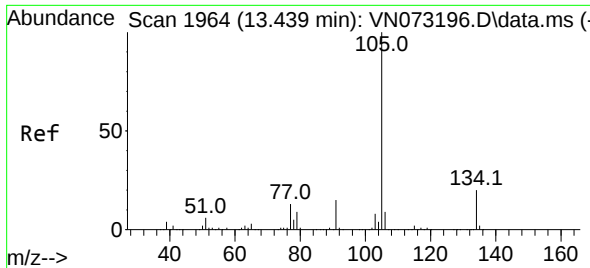


#84
 1,2,4-Trimethylbenzene
 Concen: 27.559 ug/l
 RT: 13.310 min Scan# 1942
 Delta R.T. 0.006 min
 Lab File: VN073485.D
 Acq: 15 Jul 2022 15:01



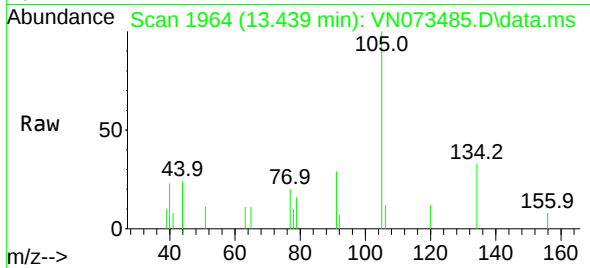
Tgt Ion:105 Resp: 394545
 Ion Ratio Lower Upper
 105 100
 120 44.7 23.3 69.8





#85
 sec-Butylbenzene
 Concen: 0.247 ug/l m
 RT: 13.439 min Scan# 1964
 Delta R.T. 0.000 min
 Lab File: VN073485.D
 Acq: 15 Jul 2022 15:01

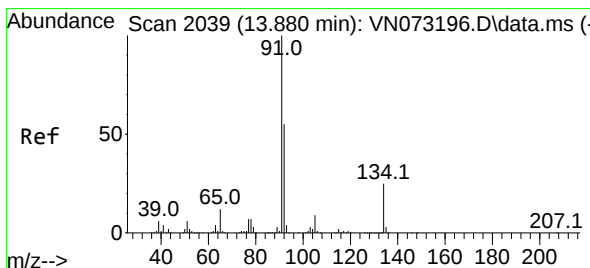
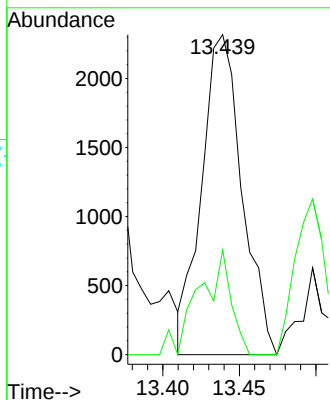
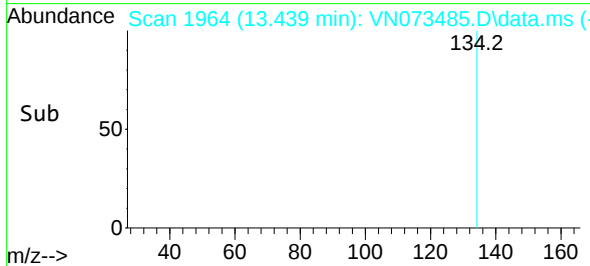
Instrument :
 MSVOA_N
 ClientSampleId :
 TW-ANOMDL



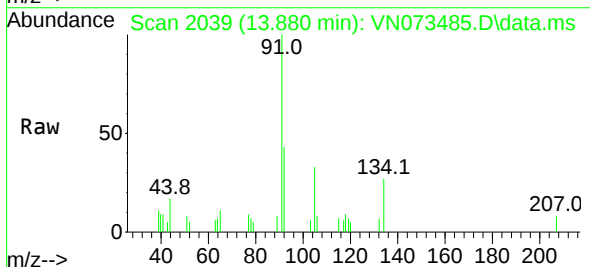
Tgt Ion:105 Resp: 4268
 Ion Ratio Lower Upper
 105 100
 134 0.0 10.4 31.1

Manual Integrations
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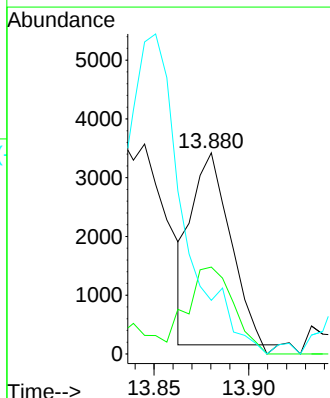
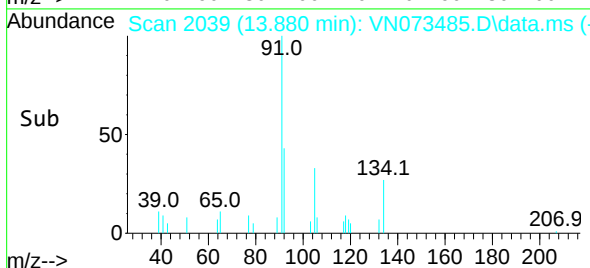
Reviewed By :John Carlone 07/18/2022
 Supervised By :Mahesh Dadoda 07/18/2022

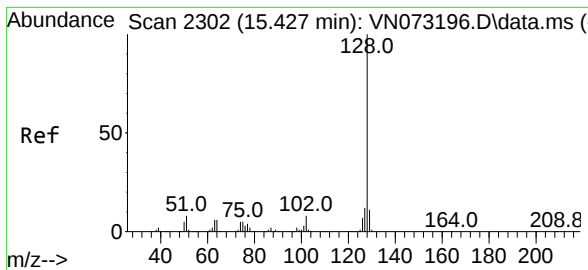


#89
 n-Butylbenzene
 Concen: 0.398 ug/l
 RT: 13.880 min Scan# 2039
 Delta R.T. 0.000 min
 Lab File: VN073485.D
 Acq: 15 Jul 2022 15:01



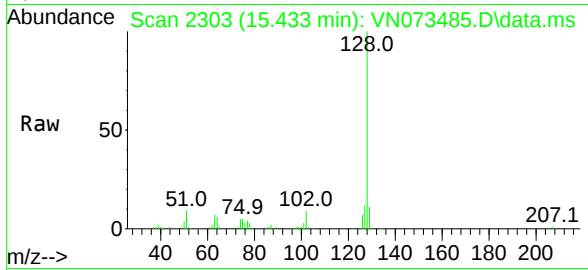
Tgt Ion: 91 Resp: 4630
 Ion Ratio Lower Upper
 91 100
 92 54.1 26.9 80.7
 134 0.0 13.6 40.8





#95
Naphthalene
Concen: 11.544 ug/l
RT: 15.433 min Scan# 21
Delta R.T. 0.006 min
Lab File: VN073485.D
Acq: 15 Jul 2022 15:01

Instrument :
MSVOA_N
ClientSampleId :
TW-ANOMDL



Tgt Ion:128 Resp: 181248
Ion Ratio Lower Upper
128 100
127 12.6 10.3 15.5
129 10.8 8.6 13.0

Manual Integrations
APPROVED

Reviewed By :John Carlone 07/18/2022
Supervised By :Mahesh Dadoda 07/18/2022

