

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN090322\
 Data File : VN074332.D
 Acq On : 03 Sep 2022 21:24
 Operator : JC\MD
 Sample : N4355-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-31

Manual Integrations
 APPROVED

Reviewed By : John Carlone 09/06/2022
 Supervised By : Mahesh Dadoda 09/07/2022

Quant Time: Sep 05 05:40:55 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N090222W.M
 Quant Title : SW846 8260
 QLast Update : Sat Sep 03 04:35:33 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.016	168	316730	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	575960	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.680	117	552235	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.610	152	253076	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.375	65	225898	45.754	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	91.500%		
35) Dibromofluoromethane	7.951	113	195983	51.350	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	102.700%		
50) Toluene-d8	10.381	98	675641	44.894	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	89.780%		
62) 4-Bromofluorobenzene	12.669	95	251842	45.975	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	91.940%		
Target Compounds					Qvalue	
11) Tert butyl alcohol	5.287	59	104488	116.651	ug/l	99
16) Acetone	4.216	43	5977m	2.897	ug/l	
17) Carbon Disulfide	4.463	76	14604	1.876	ug/l #	94
19) Methyl tert-butyl Ether	5.528	73	1850849	149.775	ug/l	97
22) Diisopropyl ether	6.416	45	30077	2.555	ug/l #	86
31) Cyclohexane	8.022	56	19410	2.943	ug/l #	81
39) Methylcyclohexane	9.398	83	5006m	0.767	ug/l	
40) Benzene	8.392	78	373917	21.881	ug/l	98
52) Toluene	10.445	92	14613	1.384	ug/l	96
67) Ethyl Benzene	11.786	91	193248	8.684	ug/l	92
68) m/p-Xylenes	11.898	106	113627	13.678	ug/l	99
69) o-Xylene	12.216	106	48528	5.853	ug/l	97
73) Isopropylbenzene	12.522	105	76424	3.449	ug/l	97
78) n-propylbenzene	12.857	91	103889	4.101	ug/l	95
80) 1,3,5-Trimethylbenzene	12.998	105	23036	1.296	ug/l	96
84) 1,2,4-Trimethylbenzene	13.310	105	115757	6.431	ug/l	99
85) sec-Butylbenzene	13.439	105	11258	0.500	ug/l	79
89) n-Butylbenzene	13.880	91	6291	0.411	ug/l #	75
95) Naphthalene	15.433	128	125244	7.497	ug/l	98

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

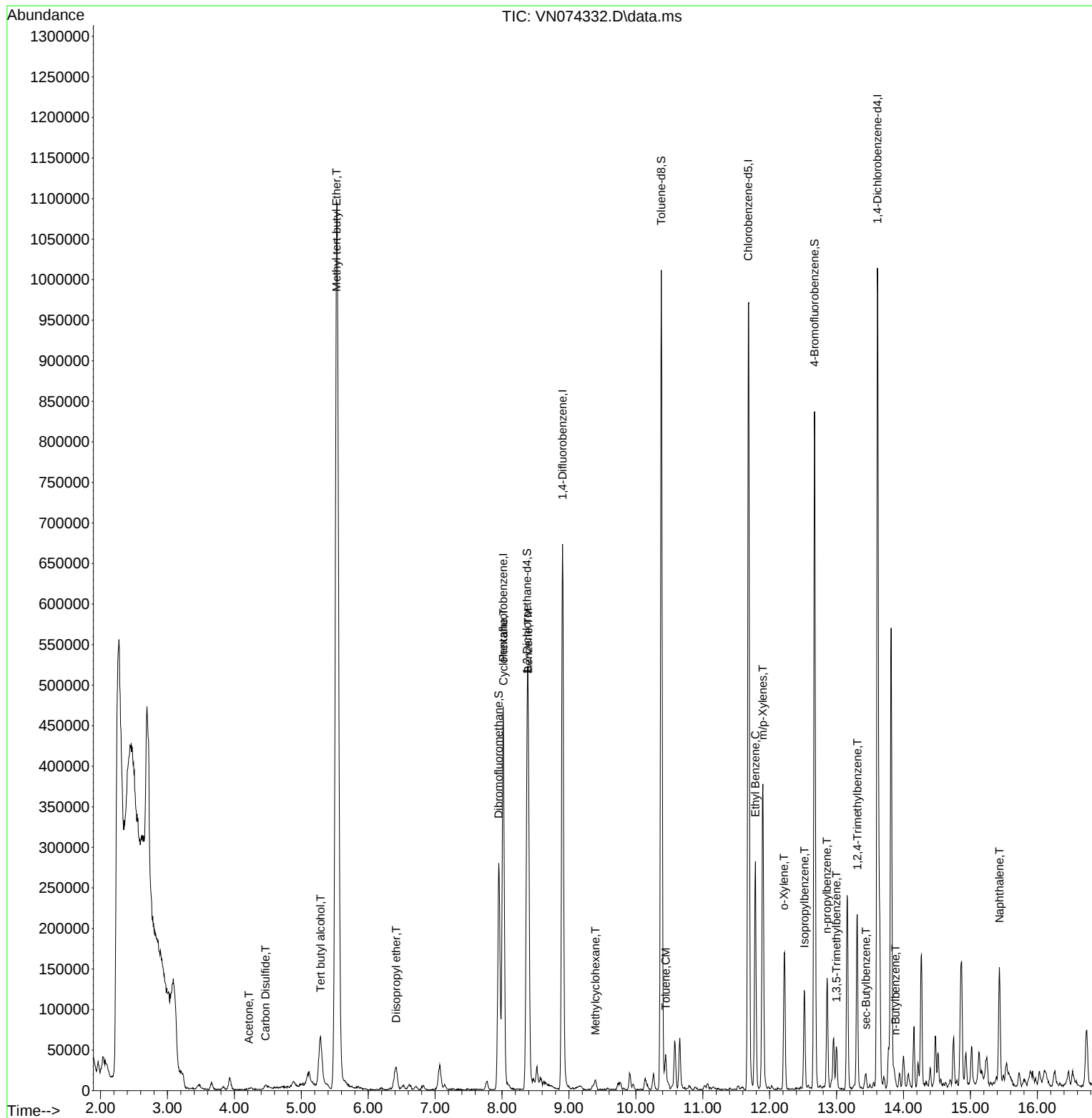
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN090322\
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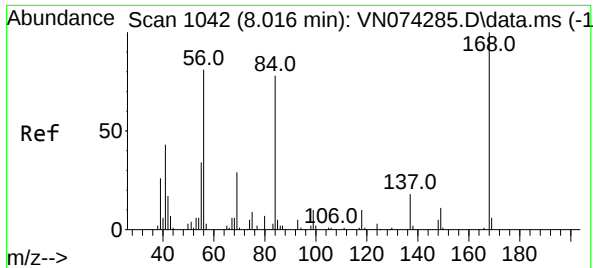
Instrument :
MSVOA_N
ClientSampleId :
MW-31

Manual Integrations
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Reviewed By : John Carlone 09/06/2022
Supervised By : Mahesh Dadoda 09/07/2022

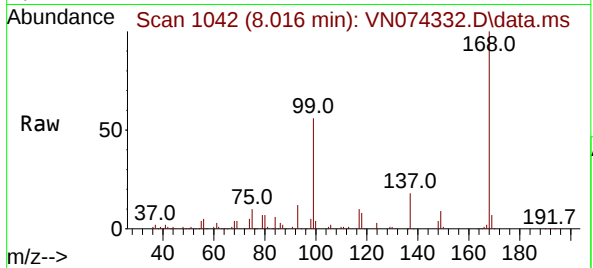
Quant Time: Sep 05 05:40:55 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N090222W.M
Quant Title : SW846 8260
QLast Update : Sat Sep 03 04:35:33 2022
Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.000 min
Lab File: VN074332.D
Acq: 03 Sep 2022 21:24

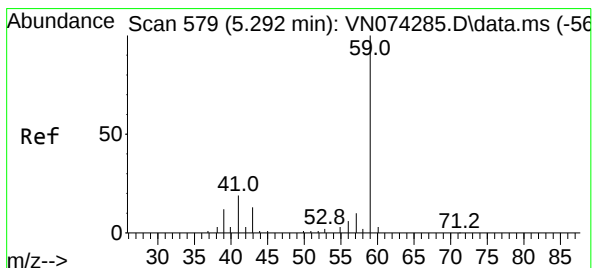
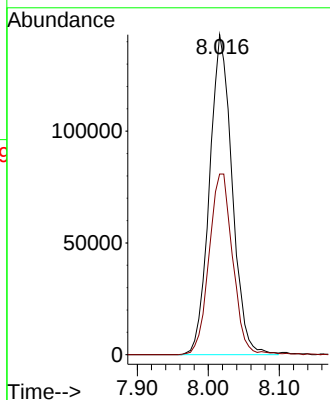
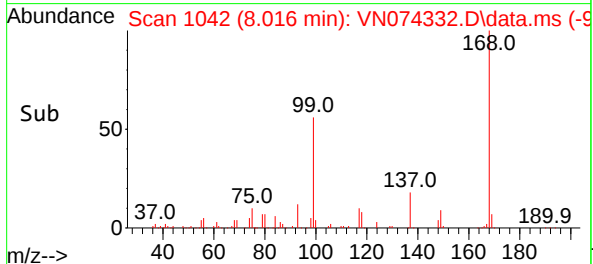
Instrument :
MSVOA_N
ClientSampleId :
MW-31



Tgt Ion:168 Resp: 316730
Ion Ratio Lower Upper
168 100
99 56.4 42.3 63.5

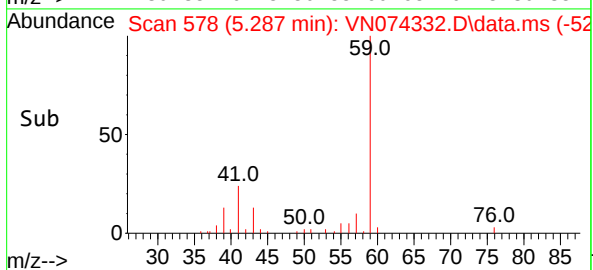
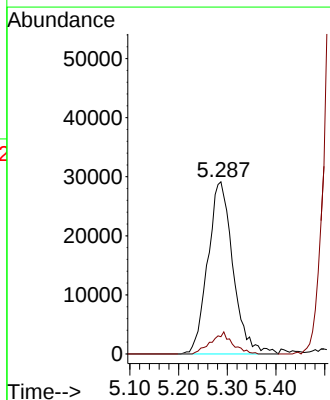
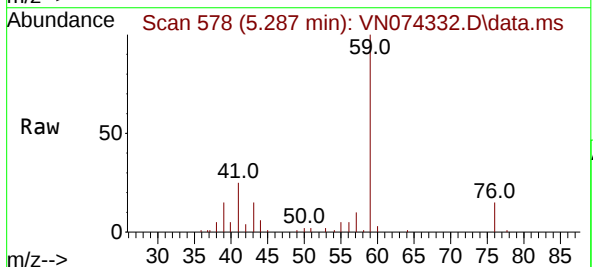
Manual Integrations
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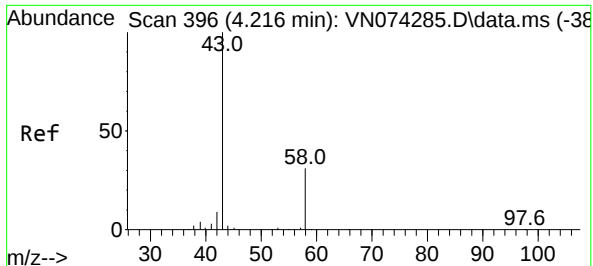
Reviewed By :John Carlone 09/06/2022
Supervised By :Mahesh Dadoda 09/07/2022



#11
Tert butyl alcohol
Concen: 116.651 ug/l
RT: 5.287 min Scan# 578
Delta R.T. -0.000 min
Lab File: VN074332.D
Acq: 03 Sep 2022 21:24

Tgt Ion: 59 Resp: 104488
Ion Ratio Lower Upper
59 100
57 10.9 8.3 12.5





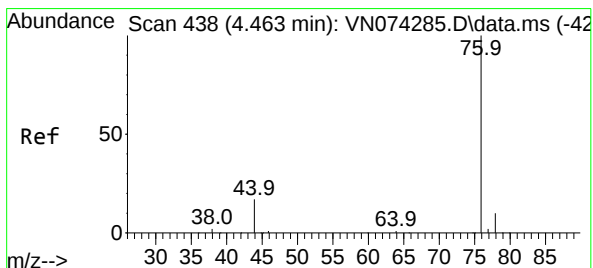
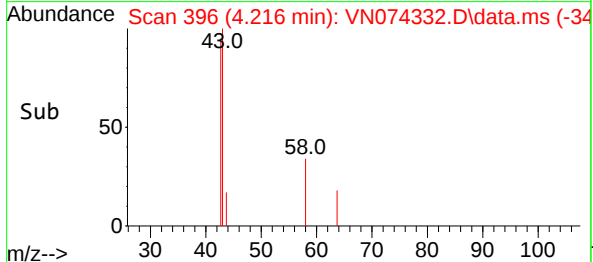
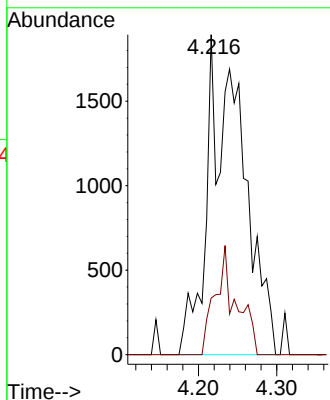
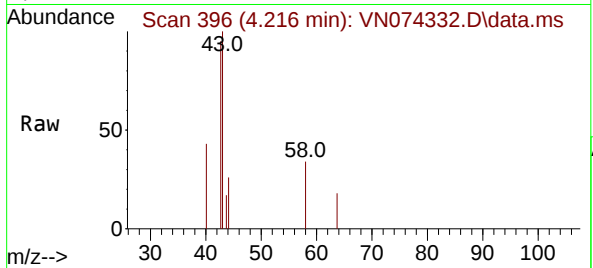
#16
Acetone
Concen: 2.897 ug/l m
RT: 4.216 min Scan# 396
Delta R.T. -0.006 min
Lab File: VN074332.D
Acq: 03 Sep 2022 21:24

Instrument :
MSVOA_N
ClientSampleId :
MW-31

Tgt Ion: 43 Resp: 597
Ion Ratio Lower Upper
43 100
58 34.4 26.0 39.0

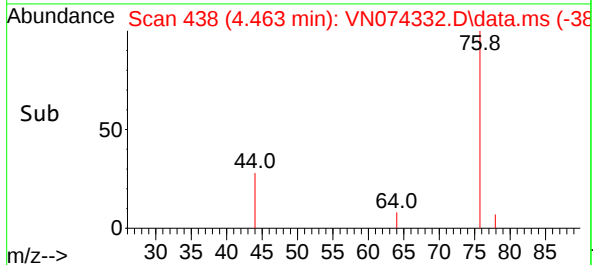
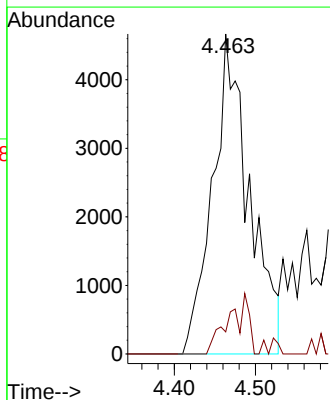
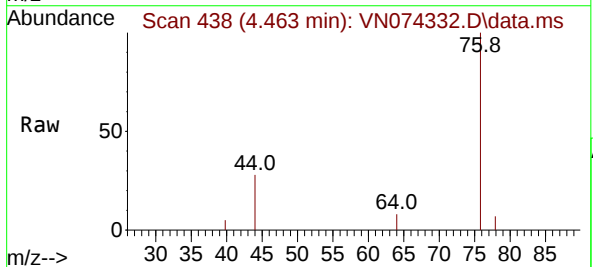
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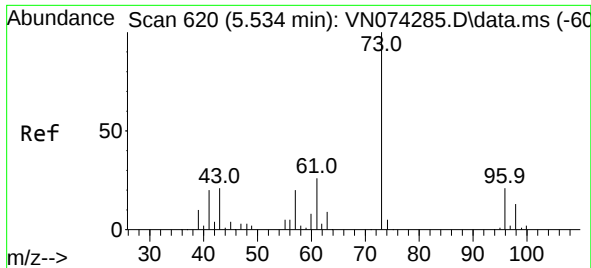
Reviewed By :John Carlone 09/06/2022
Supervised By :Mahesh Dadoda 09/07/2022



#17
Carbon Disulfide
Concen: 1.876 ug/l
RT: 4.463 min Scan# 438
Delta R.T. 0.012 min
Lab File: VN074332.D
Acq: 03 Sep 2022 21:24

Tgt Ion: 76 Resp: 14604
Ion Ratio Lower Upper
76 100
78 6.9 7.2 10.8#





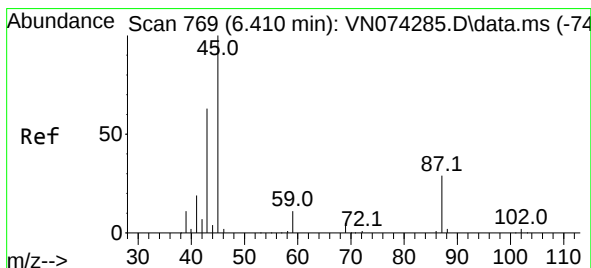
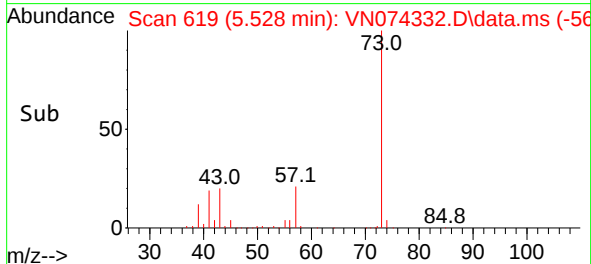
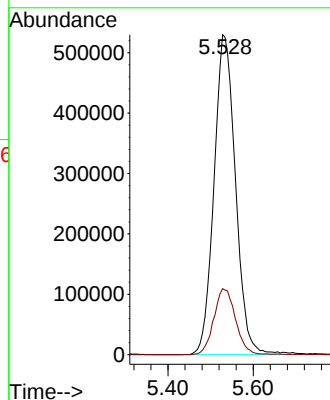
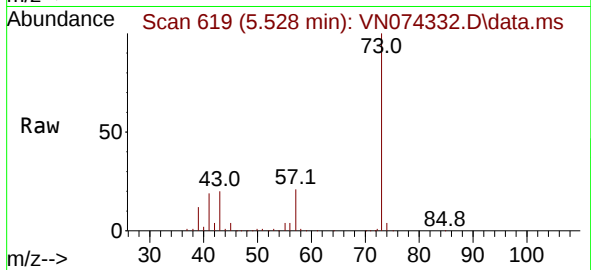
#19
Methyl tert-butyl Ether
Concen: 149.775 ug/l
RT: 5.528 min Scan# 61
Delta R.T. -0.006 min
Lab File: VN074332.D
Acq: 03 Sep 2022 21:24

Instrument :
MSVOA_N
ClientSampleId :
MW-31

Tgt Ion: 73 Resp: 1850849
Ion Ratio Lower Upper
73 100
57 20.7 17.6 26.4

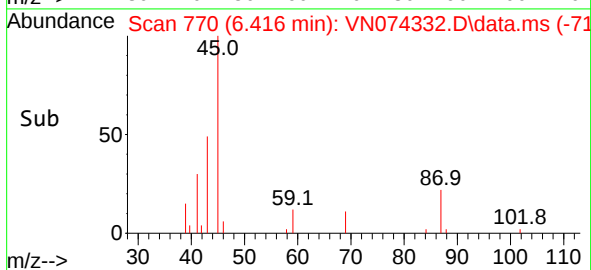
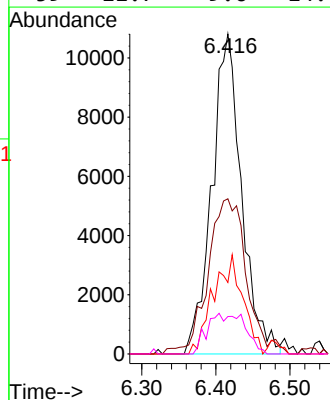
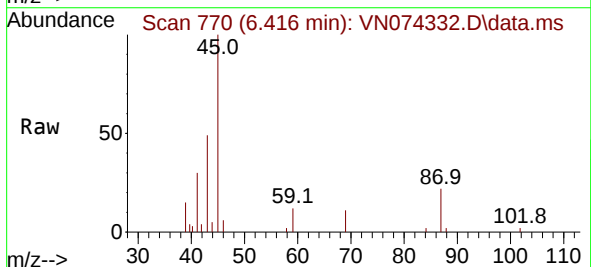
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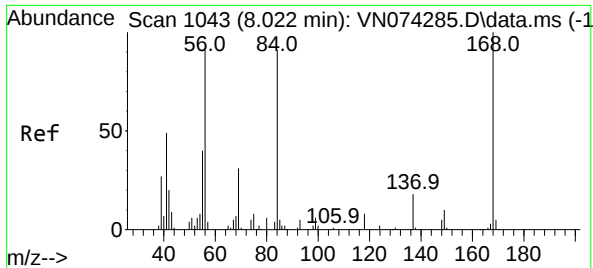
Reviewed By :John Carlone 09/06/2022
Supervised By :Mahesh Dadoda 09/07/2022



#22
Diisopropyl ether
Concen: 2.555 ug/l
RT: 6.416 min Scan# 770
Delta R.T. 0.000 min
Lab File: VN074332.D
Acq: 03 Sep 2022 21:24

Tgt Ion: 45 Resp: 30077
Ion Ratio Lower Upper
45 100
43 46.4 46.6 70.0#
87 22.4 24.3 36.5#
59 11.7 9.6 14.4





#31

Cyclohexane

Concen: 2.943 ug/l

RT: 8.022 min Scan# 1103

Delta R.T. -0.000 min

Lab File: VN074332.D

Acq: 03 Sep 2022 21:24

Instrument :

MSVOA_N

ClientSampleId :

MW-31

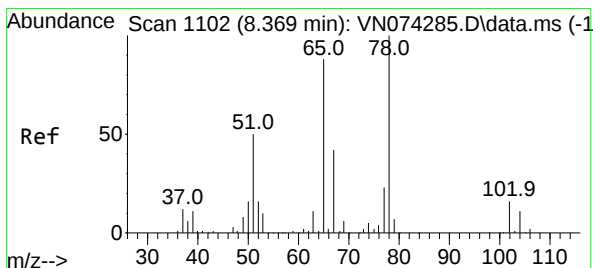
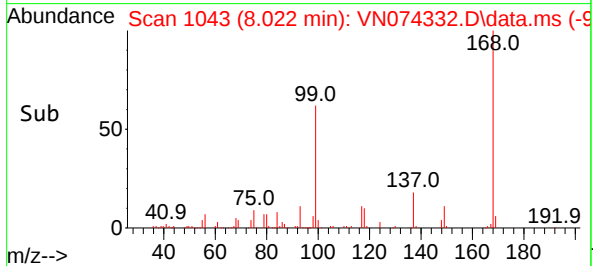
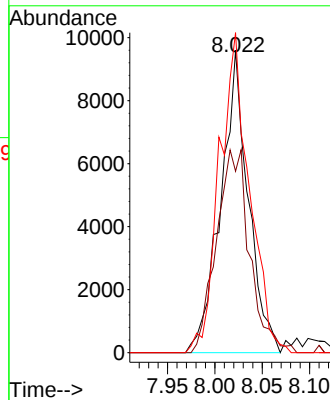
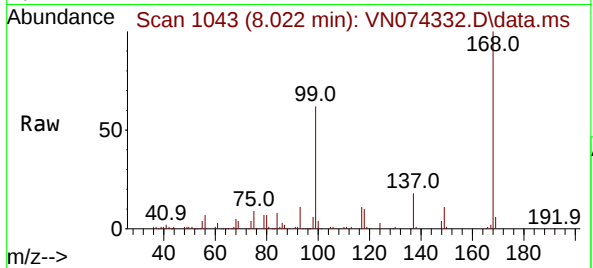
Tgt Ion: 56 Resp: 19410
 Ion Ratio Lower Upper
 56 100
 69 59.9 27.8 41.8
 84 105.7 76.9 115.3

Manual Integrations

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Supervised By :Mahesh Dadoda 09/07/2022



#33

1,2-Dichloroethane-d4

Concen: 45.754 ug/l

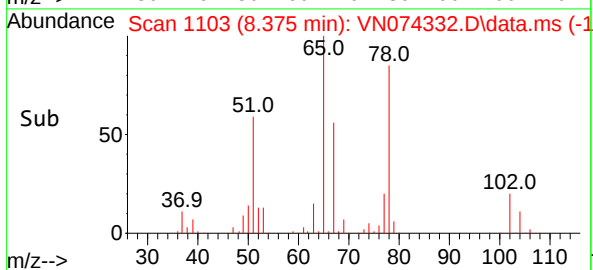
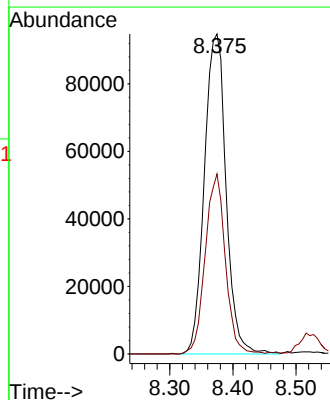
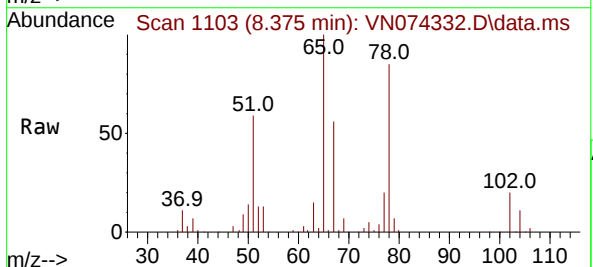
RT: 8.375 min Scan# 1103

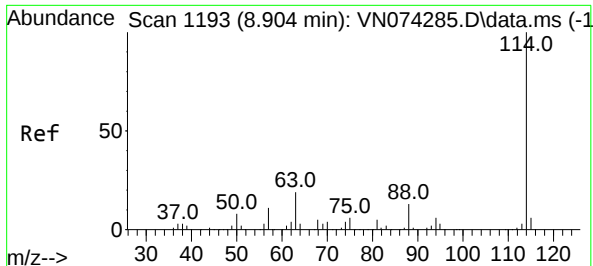
Delta R.T. 0.006 min

Lab File: VN074332.D

Acq: 03 Sep 2022 21:24

Tgt Ion: 65 Resp: 225898
 Ion Ratio Lower Upper
 65 100
 67 52.2 0.0 104.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.904 min Scan# 1193

Delta R.T. 0.000 min

Lab File: VN074332.D

Acq: 03 Sep 2022 21:24

Instrument :

MSVOA_N

ClientSampleId :

MW-31

Tgt Ion:114 Resp: 575960

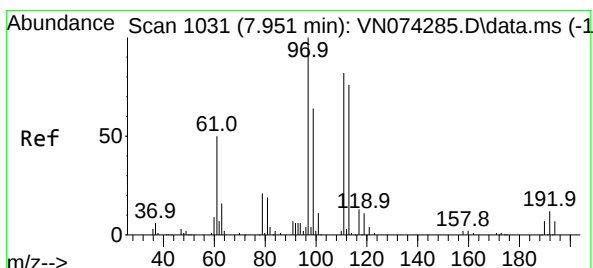
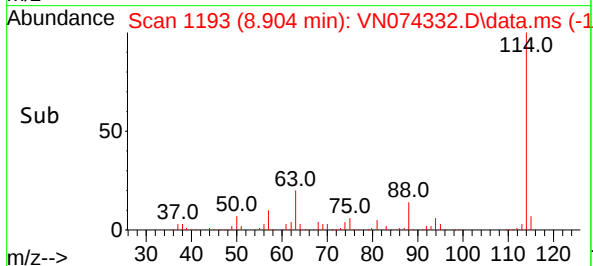
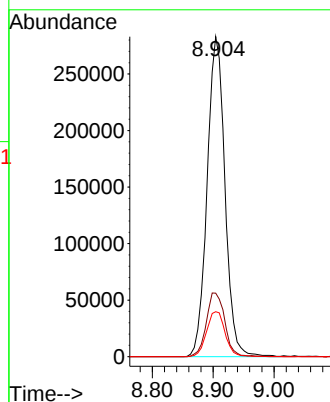
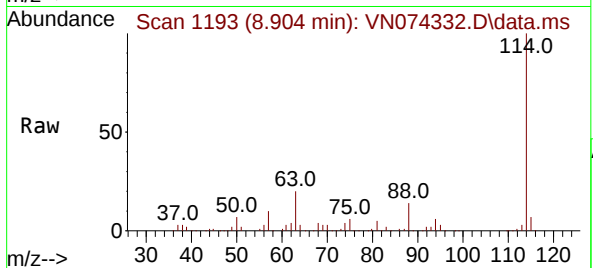
Ion	Ratio	Lower	Upper
114	100		
63	19.8	0.0	40.0
88	14.0	0.0	32.6

Manual Integrations

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Supervised By :Mahesh Dadoda 09/07/2022



#35

Dibromofluoromethane

Concen: 51.350 ug/l

RT: 7.951 min Scan# 1031

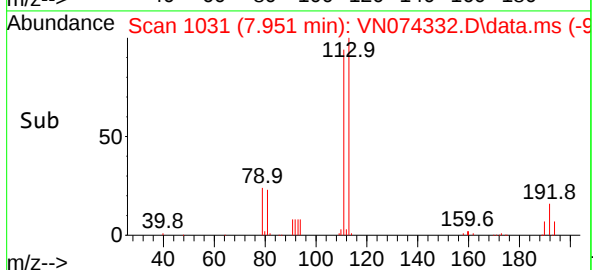
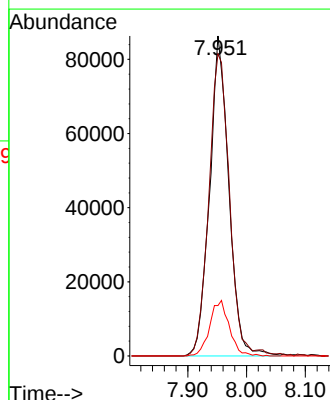
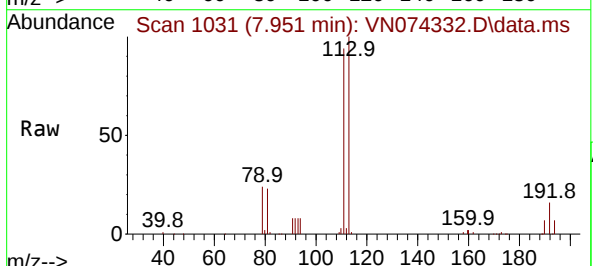
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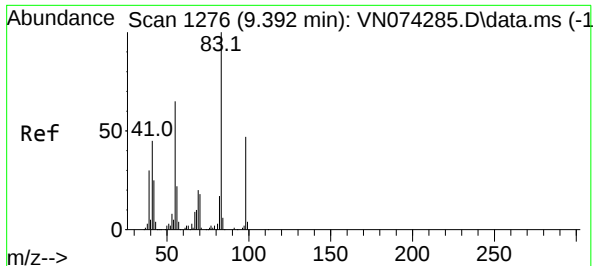
Lab File: VN074332.D

Acq: 03 Sep 2022 21:24

Tgt Ion:113 Resp: 195983

Ion	Ratio	Lower	Upper
113	100		
111	101.7	81.4	122.0
192	17.7	17.0	25.6





#39

Methylcyclohexane

Concen: 0.767 ug/l

RT: 9.398 min Scan# 1107

Delta R.T. 0.006 min

Lab File: VN074332.D

Acq: 03 Sep 2022 21:24

Instrument :

MSVOA_N

ClientSampleId :

MW-31

Tgt Ion: 83 Resp: 5000

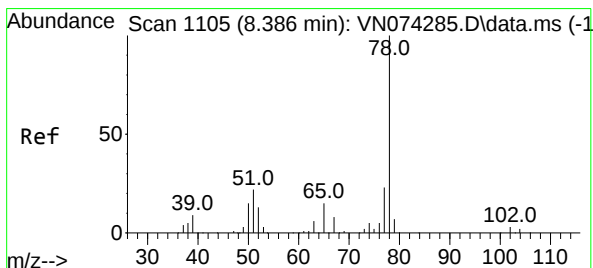
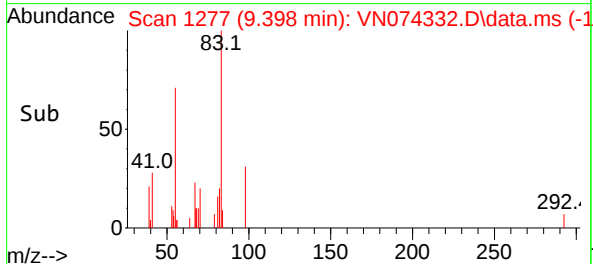
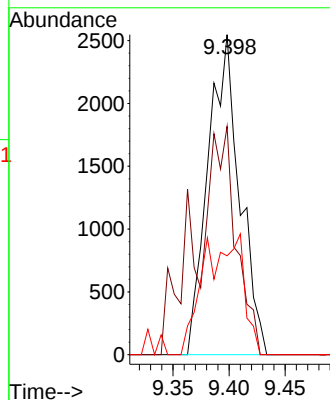
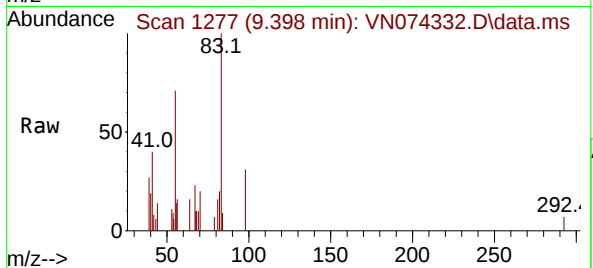
Ion	Ratio	Lower	Upper
83	100		
55	71.4	57.8	86.8
98	30.9	39.4	59.2

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Supervised By :Mahesh Dadoda 09/07/2022



#40

Benzene

Concen: 21.881 ug/l

RT: 8.392 min Scan# 1106

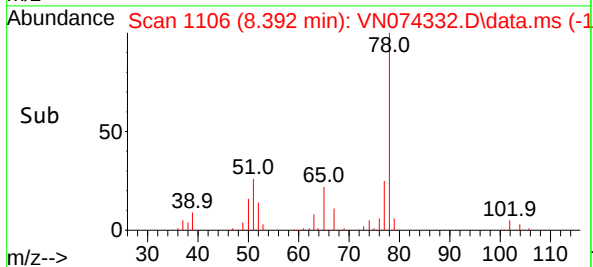
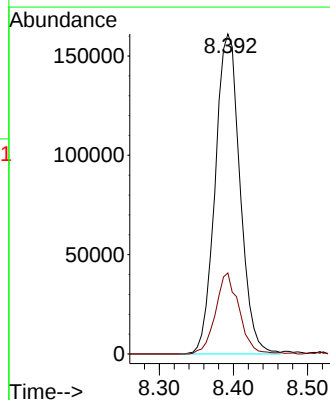
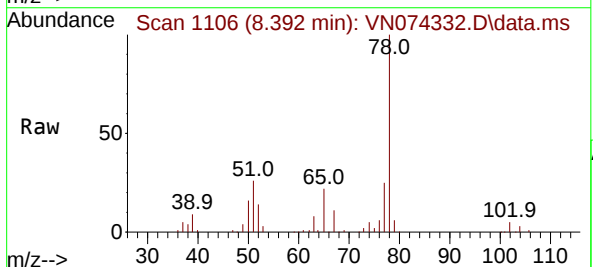
Delta R.T. 0.000 min

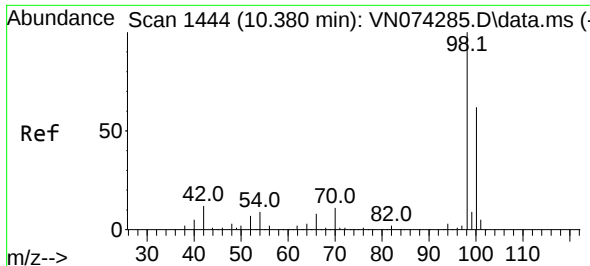
Lab File: VN074332.D

Acq: 03 Sep 2022 21:24

Tgt Ion: 78 Resp: 373917

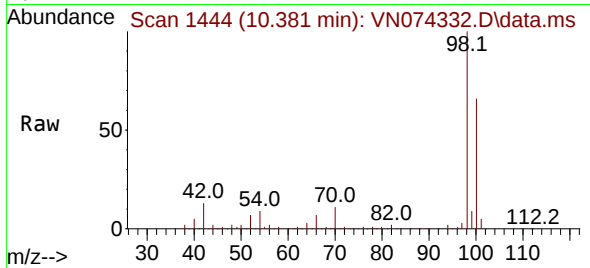
Ion	Ratio	Lower	Upper
78	100		
77	25.3	19.4	29.0





#50
Toluene-d8
Concen: 44.894 ug/l
RT: 10.381 min Scan# 1444
Delta R.T. 0.001 min
Lab File: VN074332.D
Acq: 03 Sep 2022 21:24

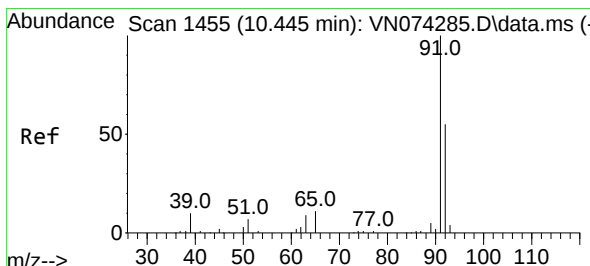
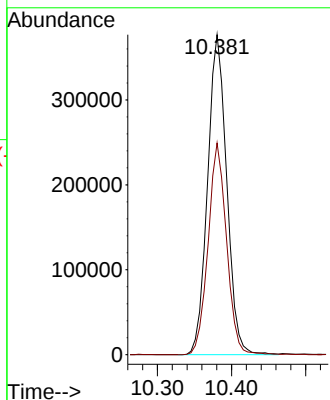
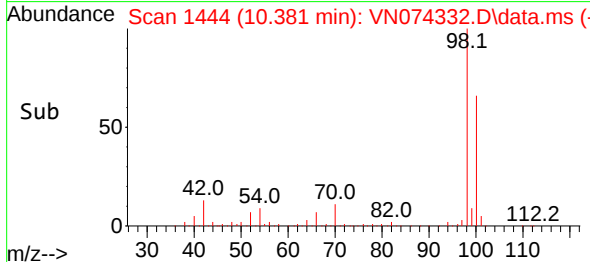
Instrument :
MSVOA_N
ClientSampleId :
MW-31



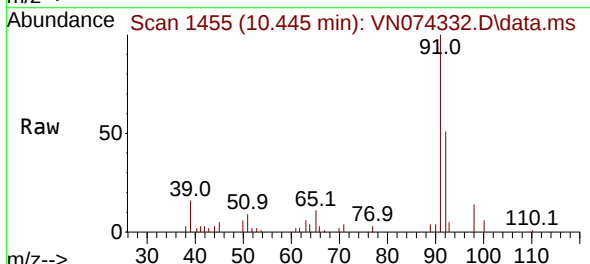
Tgt Ion: 98 Resp: 67564
Ion Ratio Lower Upper
98 100
100 63.8 52.6 78.8

Manual Integrations
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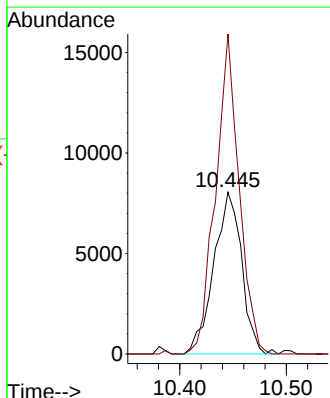
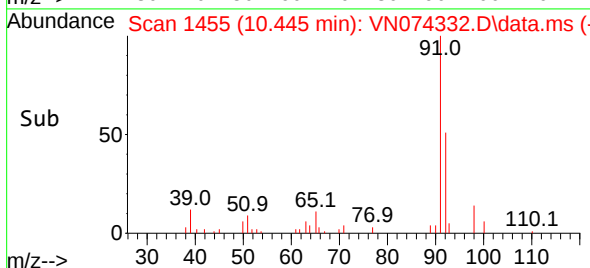
Reviewed By :John Carlone 09/06/2022
Supervised By :Mahesh Dadoda 09/07/2022

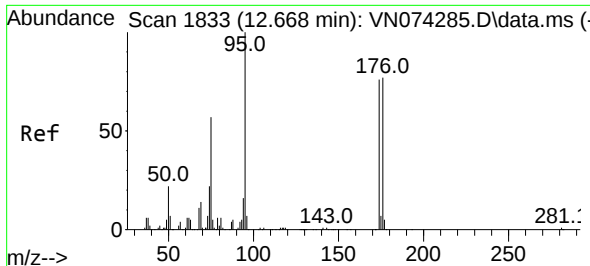


#52
Toluene
Concen: 1.384 ug/l
RT: 10.445 min Scan# 1455
Delta R.T. 0.000 min
Lab File: VN074332.D
Acq: 03 Sep 2022 21:24



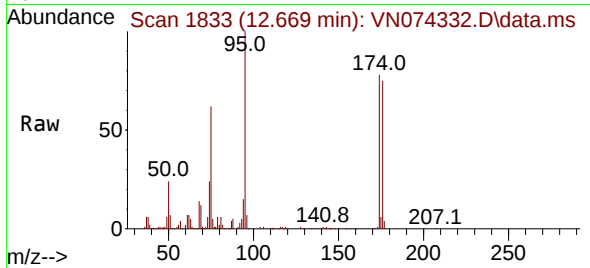
Tgt Ion: 92 Resp: 14613
Ion Ratio Lower Upper
92 100
91 167.0 138.6 207.8





#62
4-Bromofluorobenzene
Concen: 45.975 ug/l
RT: 12.669 min Scan# 1833
Delta R.T. -0.000 min
Lab File: VN074332.D
Acq: 03 Sep 2022 21:24

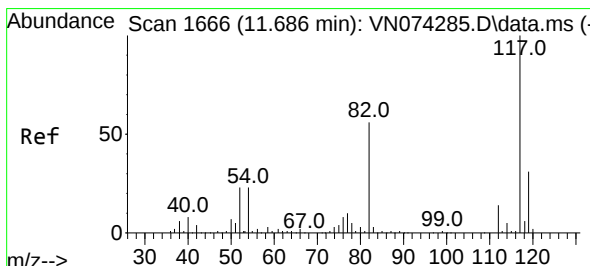
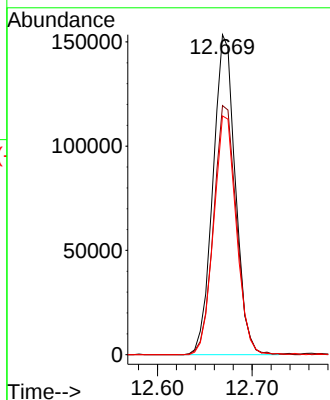
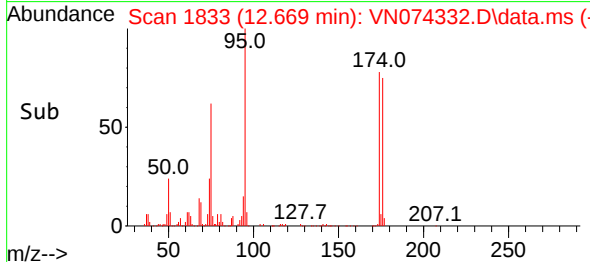
Instrument :
MSVOA_N
ClientSampleId :
MW-31



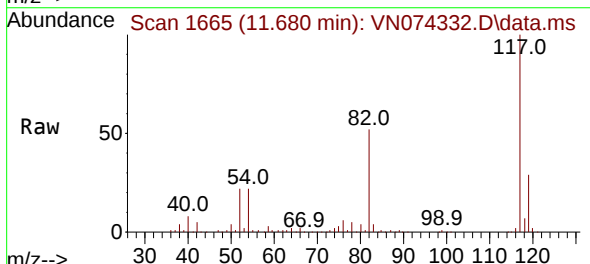
Tgt Ion: 95 Resp: 25184
Ion Ratio Lower Upper
95 100
174 79.7 0.0 167.6
176 75.8 0.0 163.4

Manual Integrations
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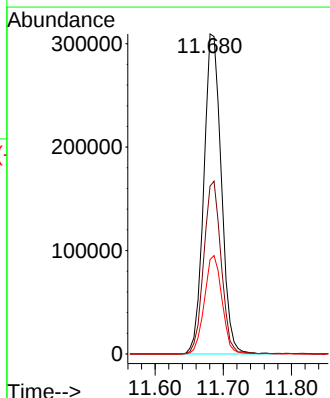
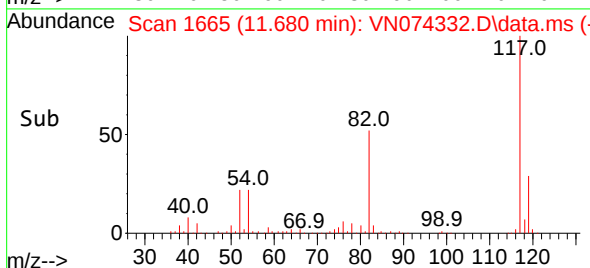
Reviewed By :John Carlone 09/06/2022
Supervised By :Mahesh Dadoda 09/07/2022

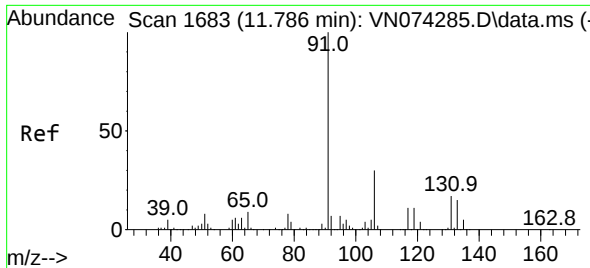


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.680 min Scan# 1665
Delta R.T. -0.006 min
Lab File: VN074332.D
Acq: 03 Sep 2022 21:24



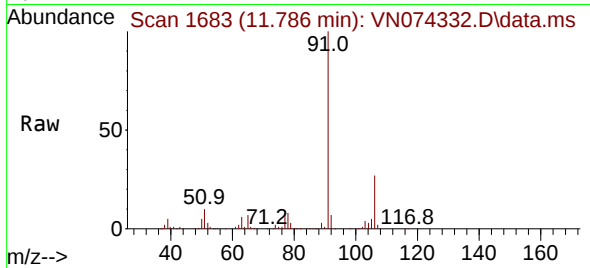
Tgt Ion:117 Resp: 552235
Ion Ratio Lower Upper
117 100
82 52.4 44.2 66.2
119 29.5 25.4 38.0





#67
Ethyl Benzene
Concen: 8.684 ug/l
RT: 11.786 min Scan# 1683
Delta R.T. 0.000 min
Lab File: VN074332.D
Acq: 03 Sep 2022 21:24

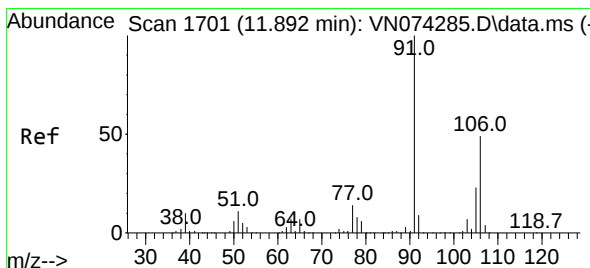
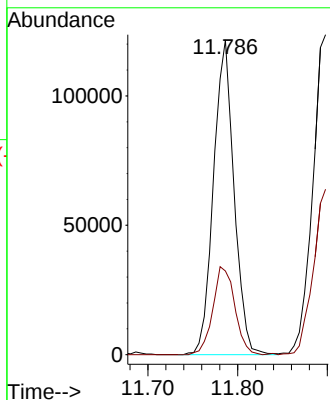
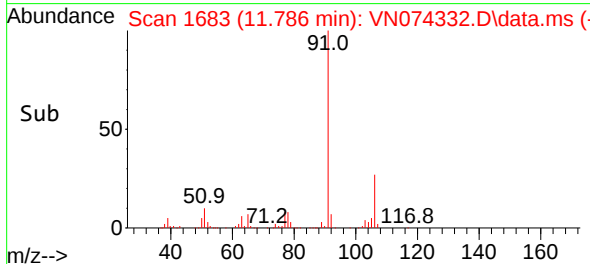
Instrument :
MSVOA_N
ClientSampleId :
MW-31



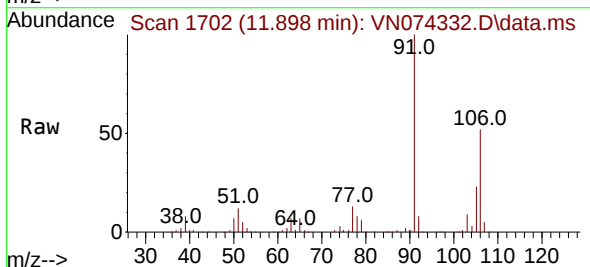
Tgt Ion: 91 Resp: 193248
Ion Ratio Lower Upper
91 100
106 26.6 24.9 37.3

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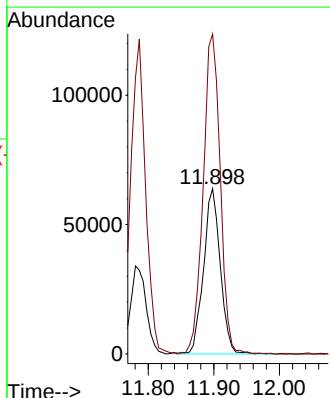
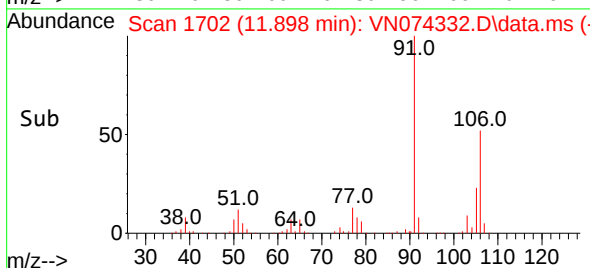
Reviewed By :John Carlone 09/06/2022
Supervised By :Mahesh Dadoda 09/07/2022

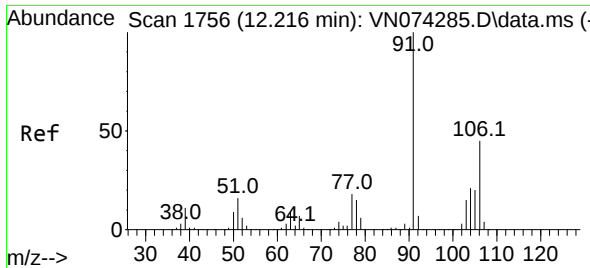


#68
m/p-Xylenes
Concen: 13.678 ug/l
RT: 11.898 min Scan# 1702
Delta R.T. 0.006 min
Lab File: VN074332.D
Acq: 03 Sep 2022 21:24



Tgt Ion:106 Resp: 113627
Ion Ratio Lower Upper
106 100
91 197.2 158.9 238.3





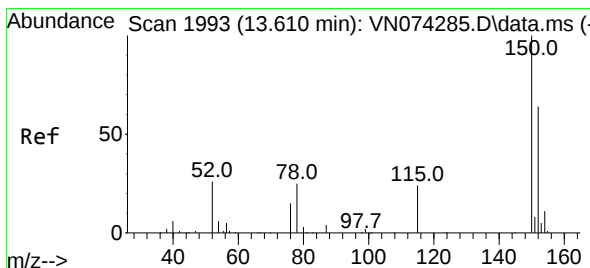
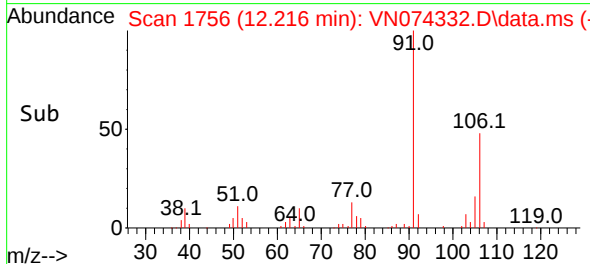
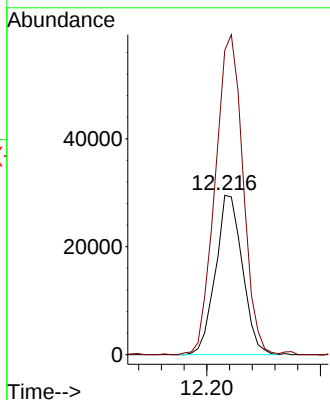
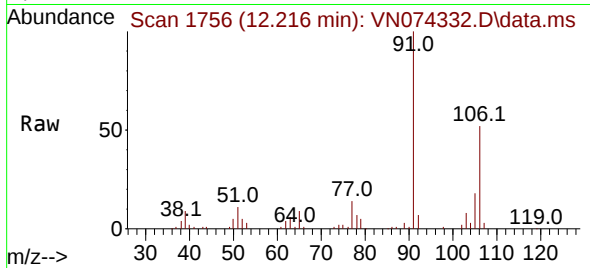
#69
o-Xylene
Concen: 5.853 ug/l
RT: 12.216 min Scan# 1756
Delta R.T. -0.005 min
Lab File: VN074332.D
Acq: 03 Sep 2022 21:24

Instrument :
MSVOA_N
ClientSampleId :
MW-31

Tgt Ion:106 Resp: 48528
Ion Ratio Lower Upper
106 100
91 207.9 106.0 318.0

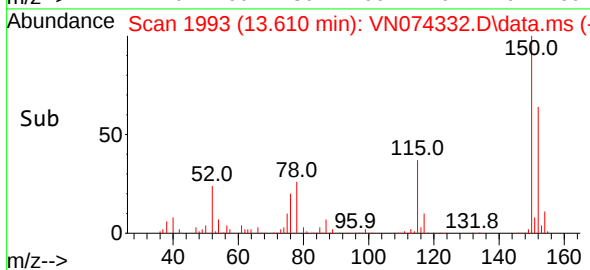
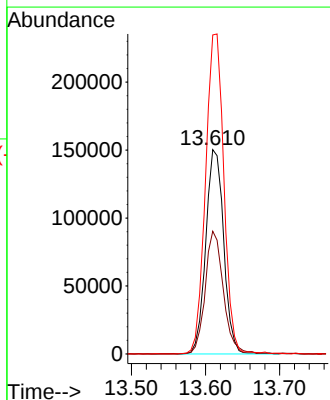
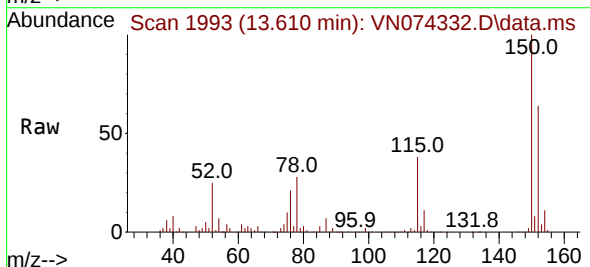
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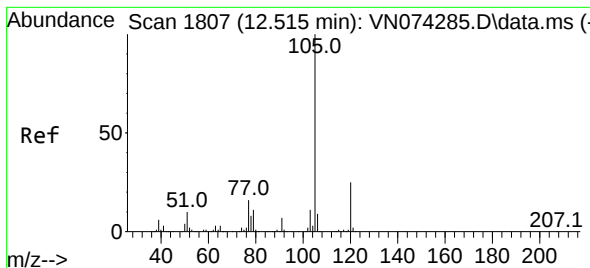
Reviewed By :John Carlone 09/06/2022
Supervised By :Mahesh Dadoda 09/07/2022



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.610 min Scan# 1993
Delta R.T. -0.000 min
Lab File: VN074332.D
Acq: 03 Sep 2022 21:24

Tgt Ion:152 Resp: 253076
Ion Ratio Lower Upper
152 100
115 60.9 28.9 86.7
150 159.9 0.0 356.2





#73

Isopropylbenzene

Concen: 3.449 ug/l

RT: 12.522 min Scan# 1808

Delta R.T. 0.006 min

Lab File: VN074332.D

Acq: 03 Sep 2022 21:24

Instrument :

MSVOA_N

ClientSampleId :

MW-31

Tgt Ion:105 Resp: 76424

Ion Ratio Lower Upper

105 100

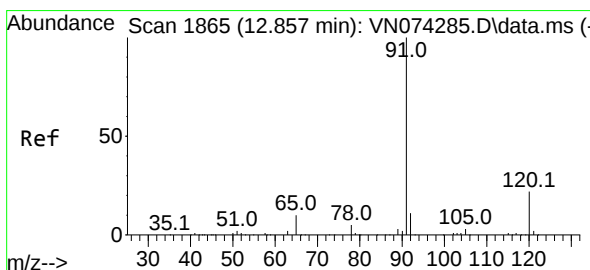
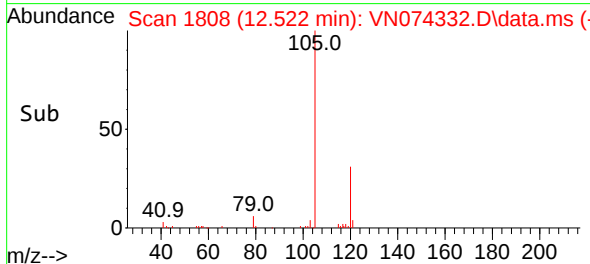
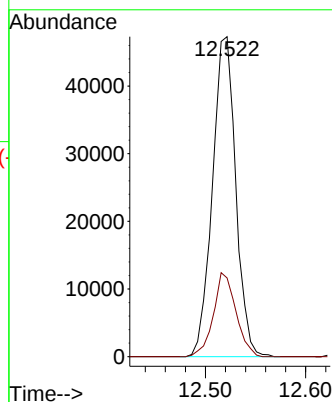
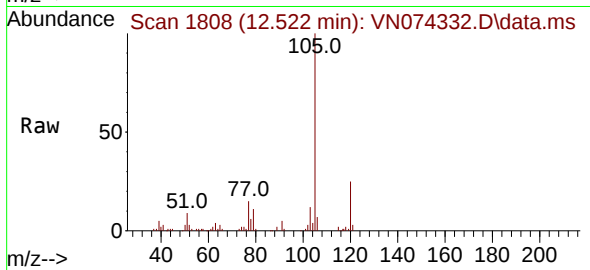
120 25.4 13.5 40.4

Manual Integrations

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Reviewed By :John Carlone 09/06/2022

Supervised By :Mahesh Dadoda 09/07/2022



#78

n-propylbenzene

Concen: 4.101 ug/l

RT: 12.857 min Scan# 1865

Delta R.T. -0.006 min

Lab File: VN074332.D

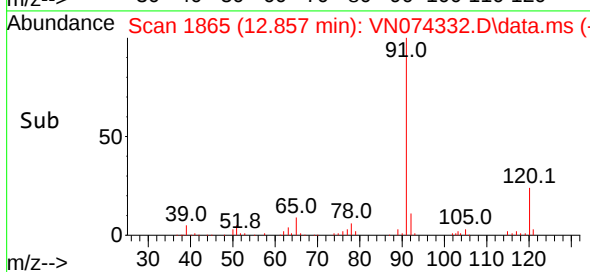
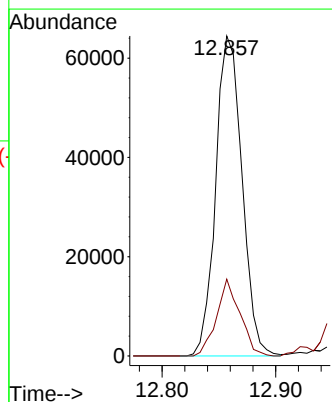
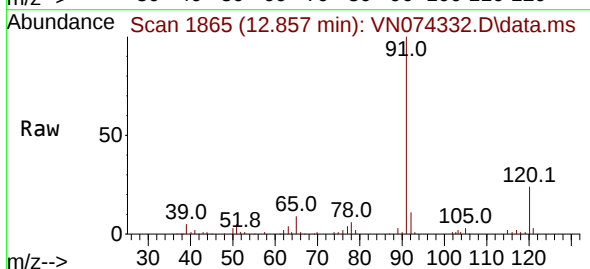
Acq: 03 Sep 2022 21:24

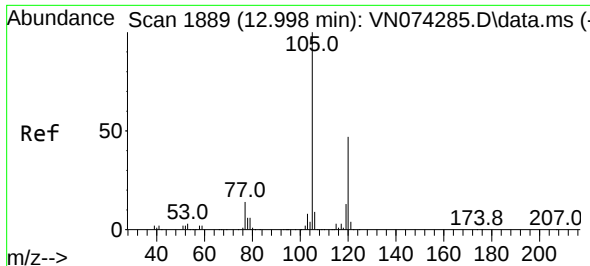
Tgt Ion: 91 Resp: 103889

Ion Ratio Lower Upper

91 100

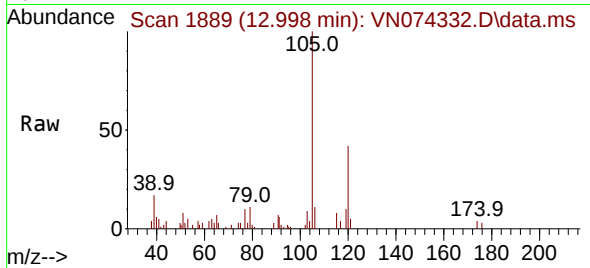
120 21.4 11.9 35.5





#80
1,3,5-Trimethylbenzene
Concen: 1.296 ug/l
RT: 12.998 min Scan# 1889
Delta R.T. 0.000 min
Lab File: VN074332.D
Acq: 03 Sep 2022 21:24

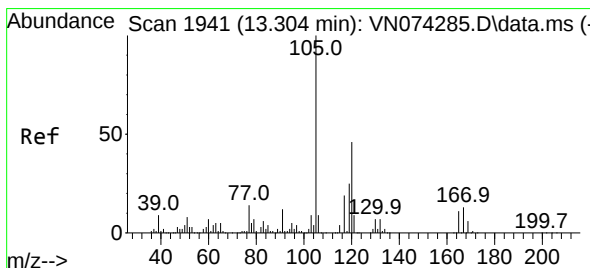
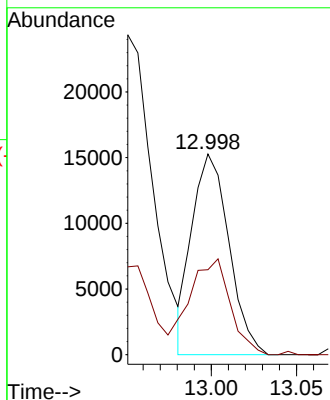
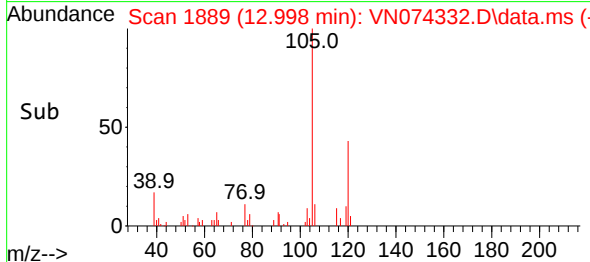
Instrument :
MSVOA_N
ClientSampleId :
MW-31



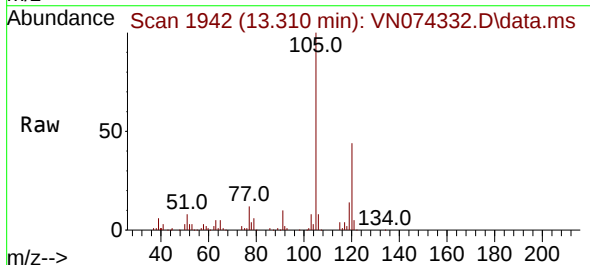
Tgt Ion:105 Resp: 23030
Ion Ratio Lower Upper
105 100
120 52.7 24.9 74.7

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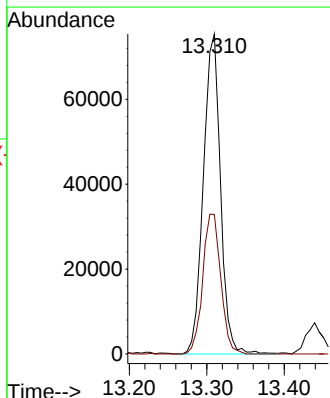
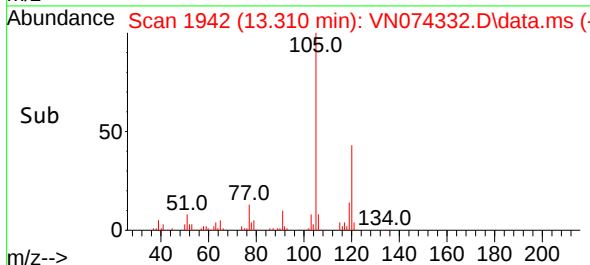
Reviewed By :John Carlone 09/06/2022
Supervised By :Mahesh Dadoda 09/07/2022

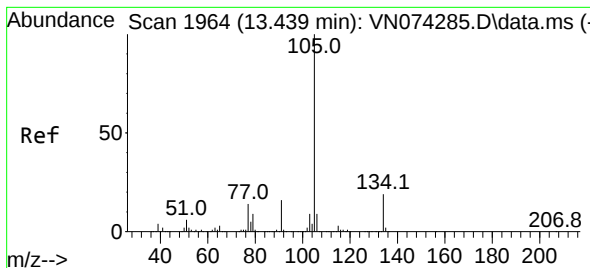


#84
1,2,4-Trimethylbenzene
Concen: 6.431 ug/l
RT: 13.310 min Scan# 1942
Delta R.T. -0.000 min
Lab File: VN074332.D
Acq: 03 Sep 2022 21:24



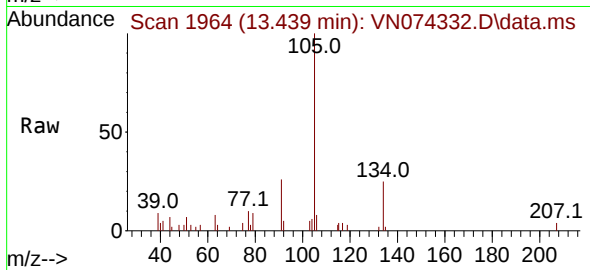
Tgt Ion:105 Resp: 115757
Ion Ratio Lower Upper
105 100
120 46.0 23.3 69.8





#85
sec-Butylbenzene
Concen: 0.500 ug/l
RT: 13.439 min Scan# 1964
Delta R.T. 0.000 min
Lab File: VN074332.D
Acq: 03 Sep 2022 21:24

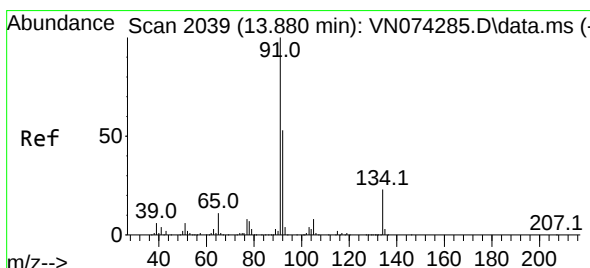
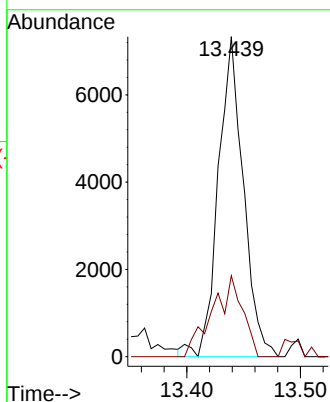
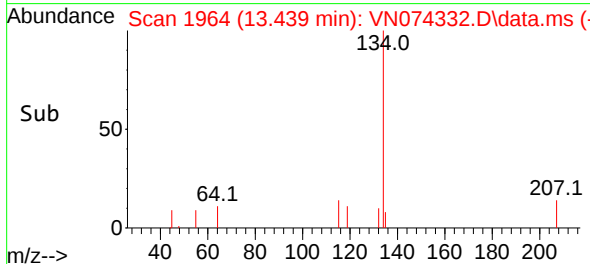
Instrument :
MSVOA_N
Client Sample Id :
MW-31



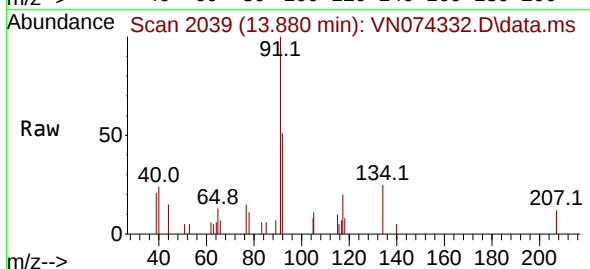
Tgt Ion: 105 Resp: 11258
Ion Ratio Lower Upper
105 100
134 30.5 10.4 31.1

Manual Integrations
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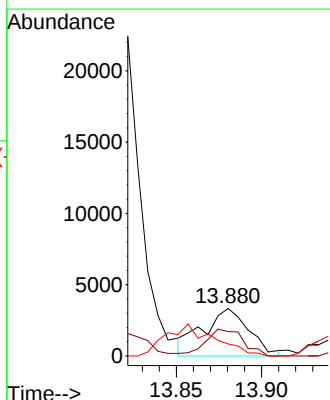
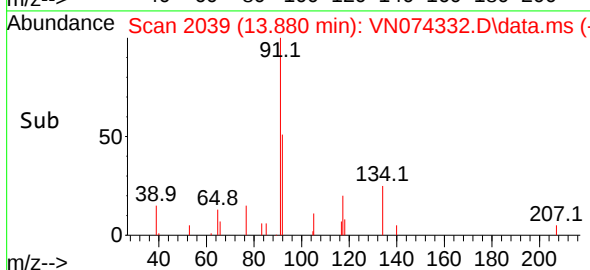
Reviewed By : John Carlone 09/06/2022
Supervised By : Mahesh Dadoda 09/07/2022

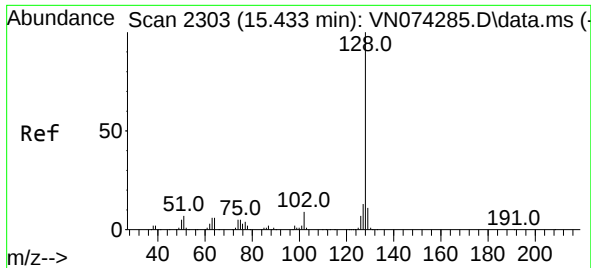


#89
n-Butylbenzene
Concen: 0.411 ug/l
RT: 13.880 min Scan# 2039
Delta R.T. 0.000 min
Lab File: VN074332.D
Acq: 03 Sep 2022 21:24



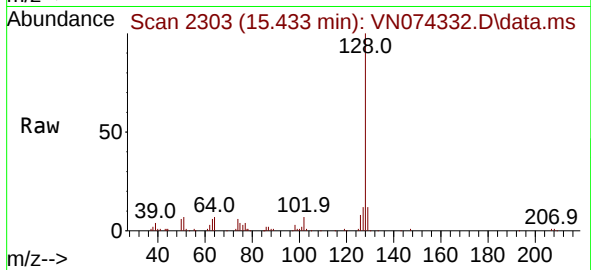
Tgt Ion: 91 Resp: 6291
Ion Ratio Lower Upper
91 100
92 45.9 26.9 80.7
134 0.0 13.6 40.8#





#95
Naphthalene
Concen: 7.497 ug/l
RT: 15.433 min Scan# 21
Delta R.T. 0.000 min
Lab File: VN074332.D
Acq: 03 Sep 2022 21:24

Instrument :
MSVOA_N
ClientSampleId :
MW-31



Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.3	15.5
129	11.9	8.6	13.0

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Reviewed By :John Carlone 09/06/2022
Supervised By :Mahesh Dadoda 09/07/2022

