

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081222\
 Data File : VN073864.D
 Acq On : 12 Aug 2022 20:20
 Operator : JC\MD
 Sample : N4156-08
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 11261

Manual Integrations
 APPROVED

Reviewed By : John Carlone 08/13/2022
 Supervised By : Mahesh Dadoda 08/14/2022

Quant Time: Aug 13 05:05:28 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N072822W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 10 05:09:32 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.016	168	645011	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	950155	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.692	117	1068846	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.621	152	622399	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	310423	39.491	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	78.980%		
35) Dibromofluoromethane	7.951	113	303160	50.811	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	101.620%		
50) Toluene-d8	10.398	98	1110122	47.283	ug/l	0.02
Spiked Amount 50.000	Range 86 - 113		Recovery =	94.560%		
62) 4-Bromofluorobenzene	12.686	95	525412	62.992	ug/l	0.01
Spiked Amount 50.000	Range 83 - 123		Recovery =	125.980%#		
Target Compounds					Qvalue	
11) Tert butyl alcohol	5.287	59	163520	96.459	ug/l	99
13) Acrolein	3.987	56	13376	7.959	ug/l	97
16) Acetone	4.216	43	6497435	1538.967	ug/l	99
18) Methyl Acetate	4.745	43	47826400m	4553.307	ug/l	
20) Methylene Chloride	5.010	84	31034	2.448	ug/l	93
25) 2-Butanone	7.257	43	1797106	274.092	ug/l	99
29) Tetrahydrofuran	7.610	42	8686165	2095.379	ug/l	95
37) Ethyl Acetate	7.339	43	460228	41.096	ug/l	99
43) Isopropyl Acetate	8.498	43	656956	43.432	ug/l #	74
48) Methyl methacrylate	9.498	41	3164231	477.902	ug/l	93
51) 4-Methyl-2-Pentanone	10.316	43	13780588	1270.213	ug/l	97
52) Toluene	10.433	92	52482352m	3111.614	ug/l	
64) Tetrachloroethene	10.916	164	13279	1.563	ug/l	95
67) Ethyl Benzene	11.774	91	22560875m	589.036	ug/l	
68) m/p-Xylenes	11.886	106	26390137m	1806.536	ug/l	
69) o-Xylene	12.216	106	23412793m	1643.935	ug/l	
78) n-propylbenzene	12.863	91	3850008	75.100	ug/l	98
80) 1,3,5-Trimethylbenzene	13.004	105	6379971	170.159	ug/l	98
84) 1,2,4-Trimethylbenzene	13.304	105	20131488	546.045	ug/l	67
85) sec-Butylbenzene	13.445	105	249418m	5.434	ug/l	
86) p-Isopropyltoluene	13.563	119	101612m	2.808	ug/l	
89) n-Butylbenzene	13.880	91	91650	3.113	ug/l #	78
95) Naphthalene	15.433	128	1591703	45.007	ug/l	99

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

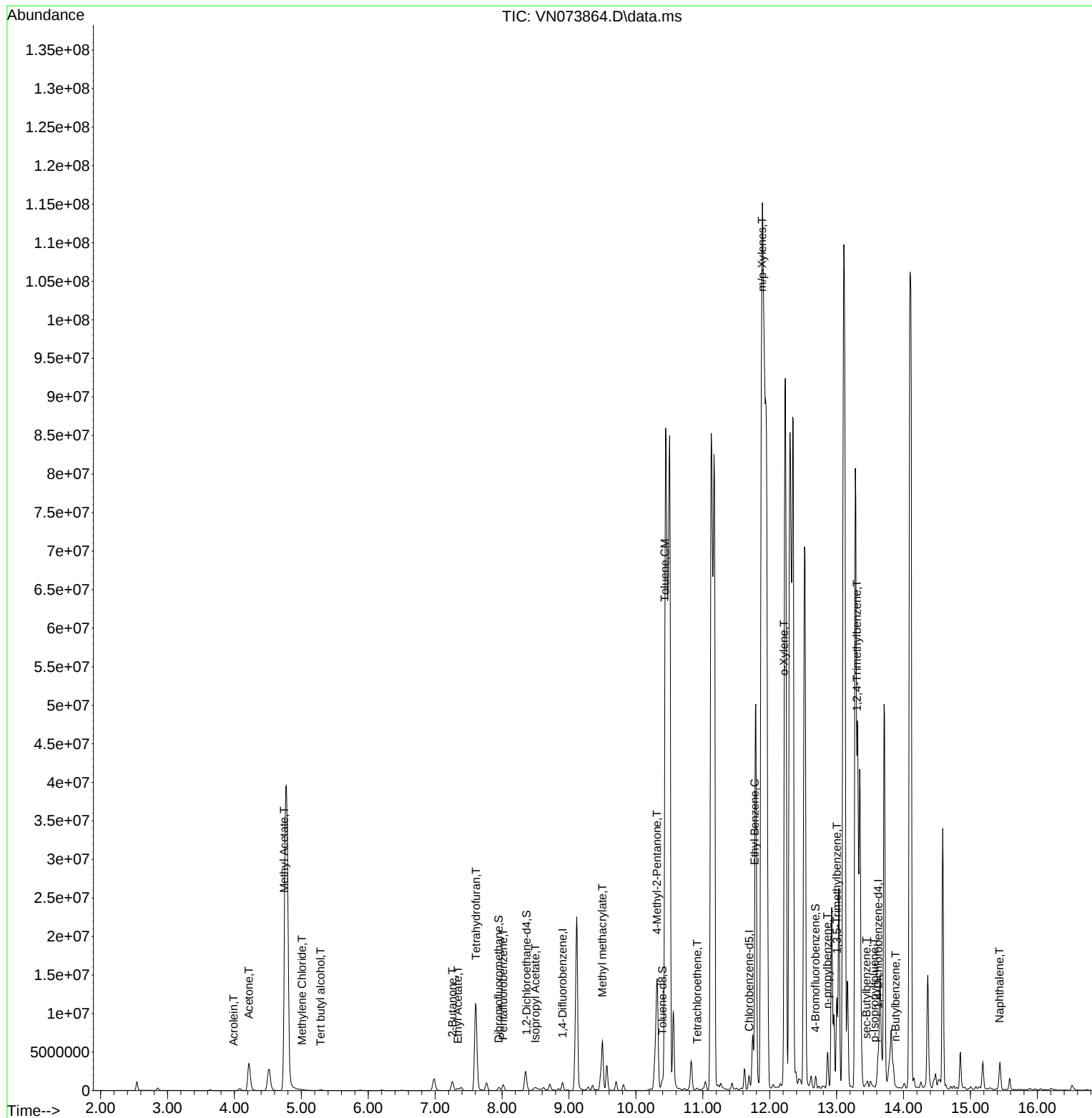
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081222\
Data File : VN073864.D
Acq On : 12 Aug 2022 20:20
Operator : JC\MD
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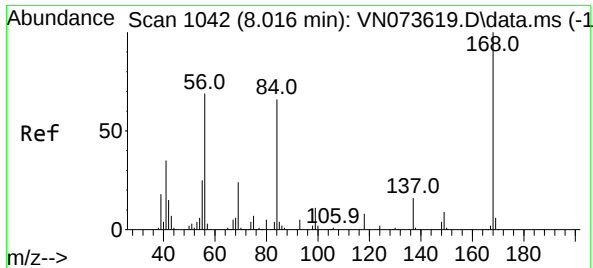
Instrument :
MSVOA_N
ClientSampleId :
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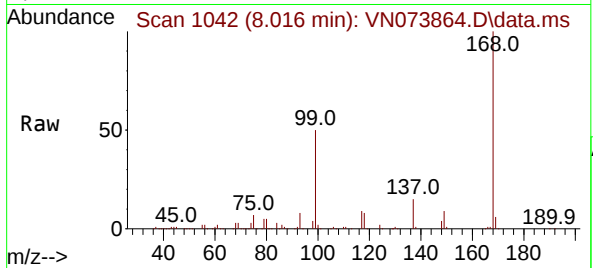
Quant Time: Aug 13 05:05:28 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N072822W.M
Quant Title : SW846 8260
QLast Update : Wed Aug 10 05:09:32 2022
Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.000 min
Lab File: VN073864.D
Acq: 12 Aug 2022 20:20

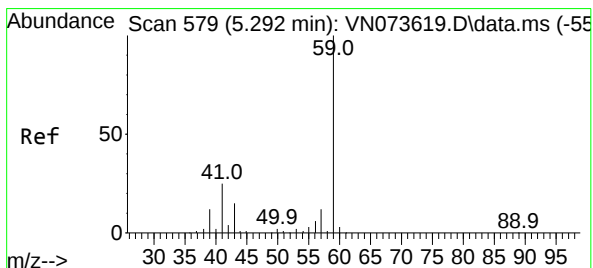
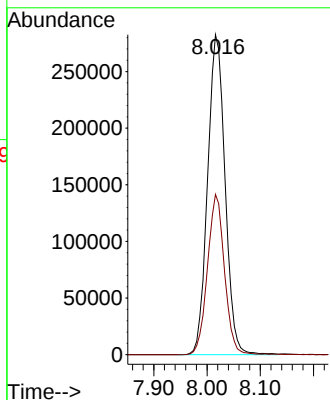
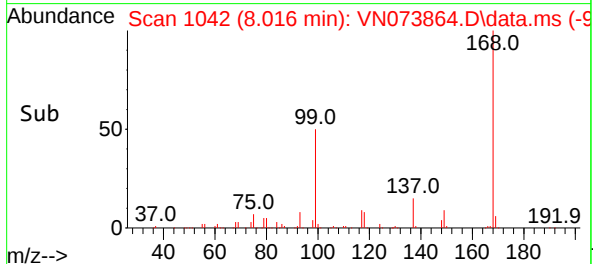
Instrument :
MSVOA_N
ClientSampleId :
11261



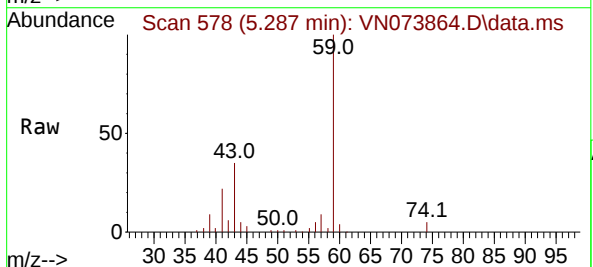
Tgt Ion:168 Resp: 64501
Ion Ratio Lower Upper
168 100
99 50.1 42.3 63.5

Manual Integrations
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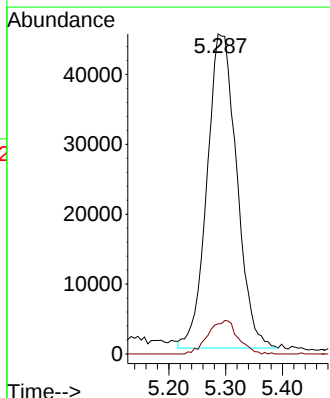
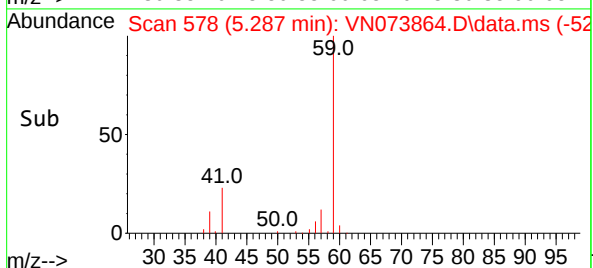
Reviewed By :John Carlone 08/13/2022
Supervised By :Mahesh Dadoda 08/14/2022

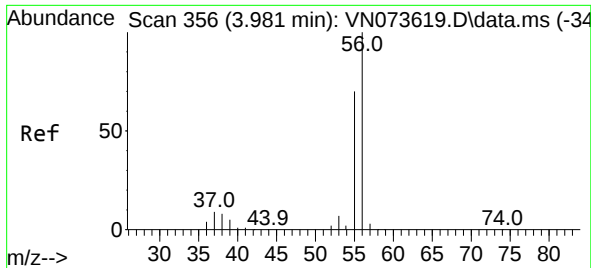


#11
Tert butyl alcohol
Concen: 96.459 ug/l
RT: 5.287 min Scan# 578
Delta R.T. -0.005 min
Lab File: VN073864.D
Acq: 12 Aug 2022 20:20



Tgt Ion: 59 Resp: 163520
Ion Ratio Lower Upper
59 100
57 10.7 8.3 12.5





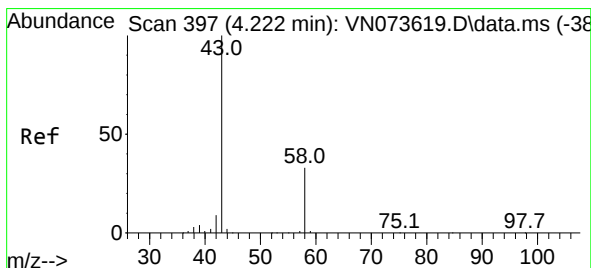
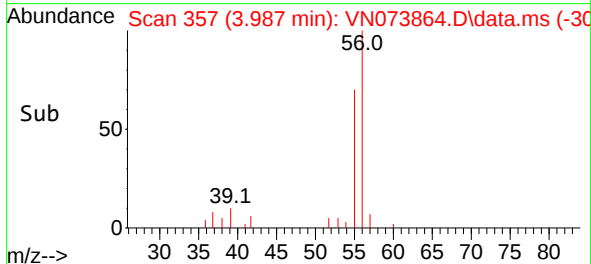
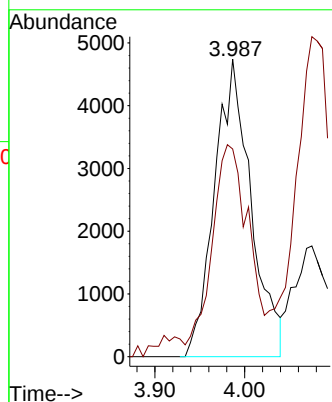
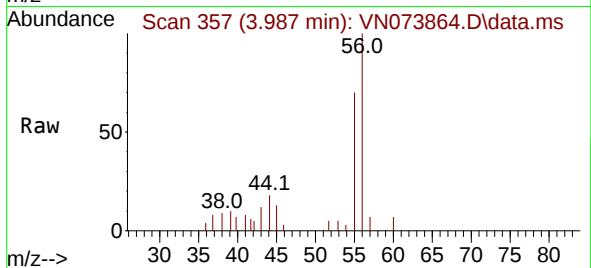
#13
Acrolein
Concen: 7.959 ug/l
RT: 3.987 min Scan# 311
Delta R.T. 0.006 min
Lab File: VN073864.D
Acq: 12 Aug 2022 20:20

Instrument :
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Tgt Ion: 56 Resp: 13370
Ion Ratio Lower Upper
56 100
55 65.7 54.8 82.2

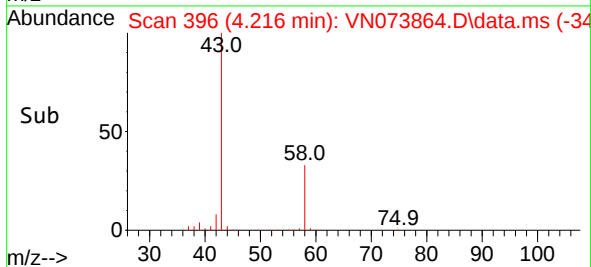
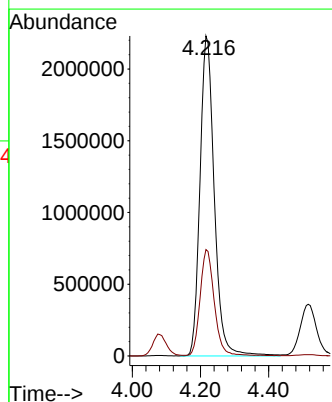
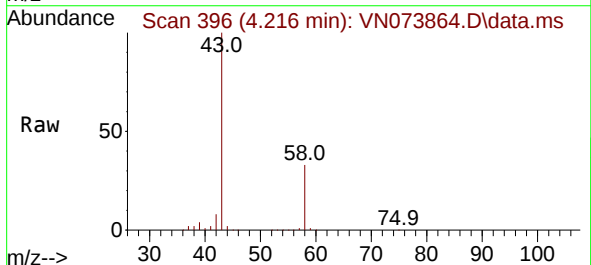
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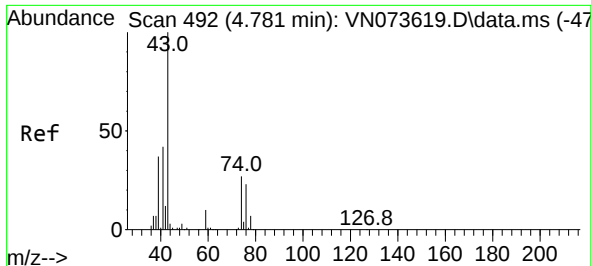
Reviewed By :John Carlone 08/13/2022
Supervised By :Mahesh Dadoda 08/14/2022



#16
Acetone
Concen: 1538.967 ug/l
RT: 4.216 min Scan# 396
Delta R.T. -0.006 min
Lab File: VN073864.D
Acq: 12 Aug 2022 20:20

Tgt Ion: 43 Resp: 6497435
Ion Ratio Lower Upper
43 100
58 33.1 26.0 39.0





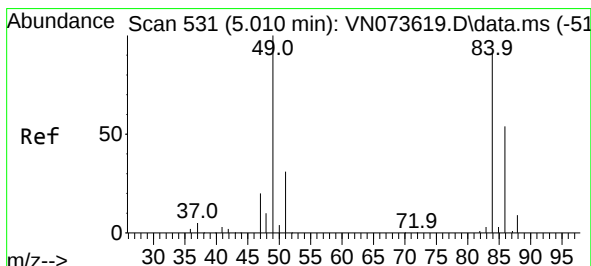
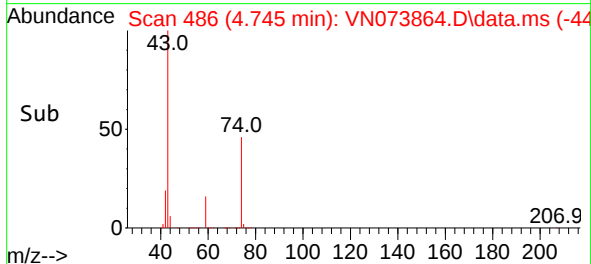
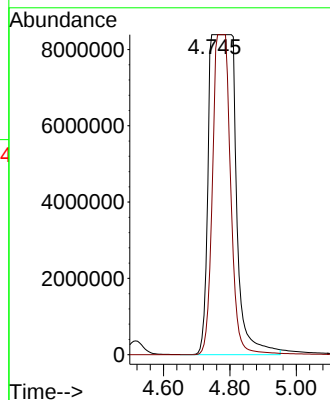
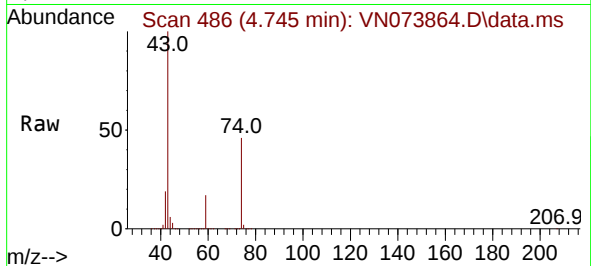
#18
Methyl Acetate
Concen: 4553.307 ug/l m
RT: 4.745 min Scan# 411
Delta R.T. -0.035 min
Lab File: VN073864.D
Acq: 12 Aug 2022 20:20

Instrument :
MSVOA_N
ClientSampleId :
11261

Tgt Ion: 43 Resp: 47826400
Ion Ratio Lower Upper
43 100
74 0.0 21.6 32.4

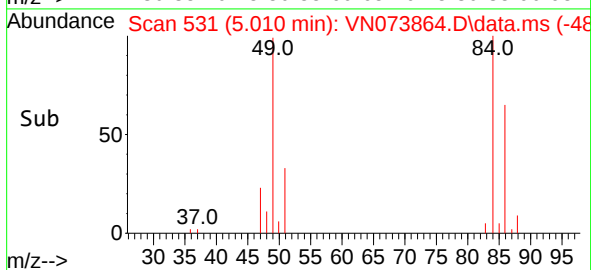
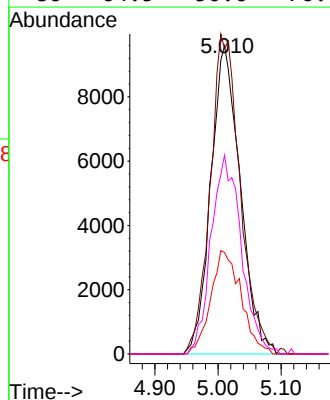
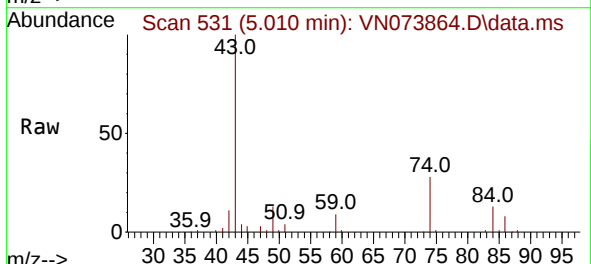
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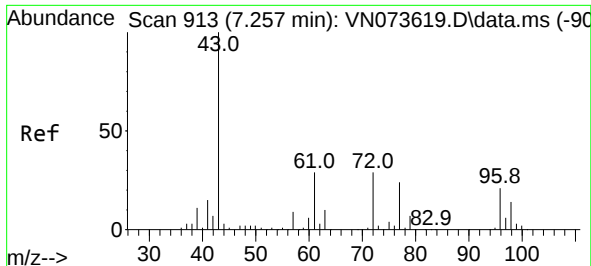
Reviewed By : John Carlone 08/13/2022
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#20
Methylene Chloride
Concen: 2.448 ug/l
RT: 5.010 min Scan# 531
Delta R.T. 0.000 min
Lab File: VN073864.D
Acq: 12 Aug 2022 20:20

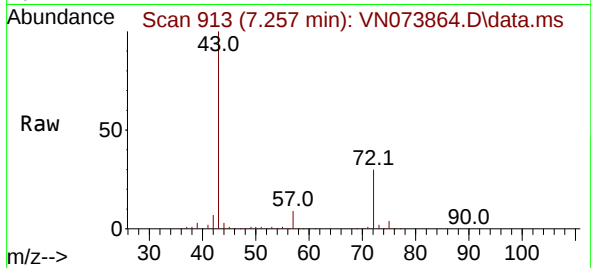
Tgt Ion: 84 Resp: 31034
Ion Ratio Lower Upper
84 100
49 99.0 88.3 132.5
51 32.9 28.2 42.2
86 64.5 50.6 76.0





#25
2-Butanone
Concen: 274.092 ug/l
RT: 7.257 min Scan# 913
Delta R.T. 0.000 min
Lab File: VN073864.D
Acq: 12 Aug 2022 20:20

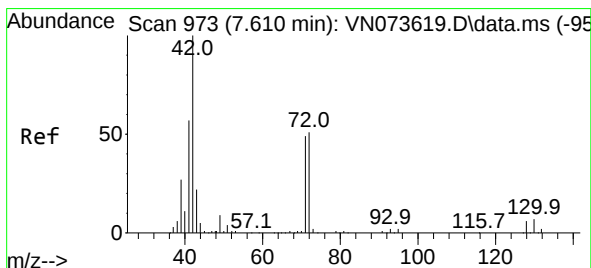
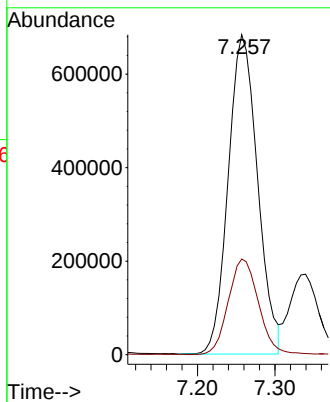
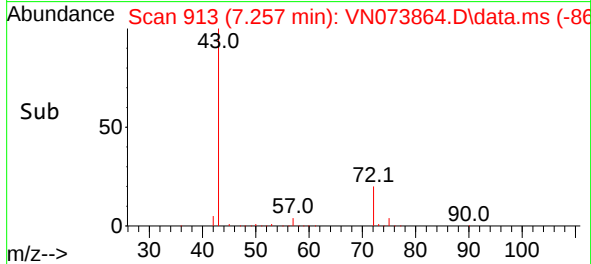
Instrument :
MSVOA_N
ClientSampleId :
11261



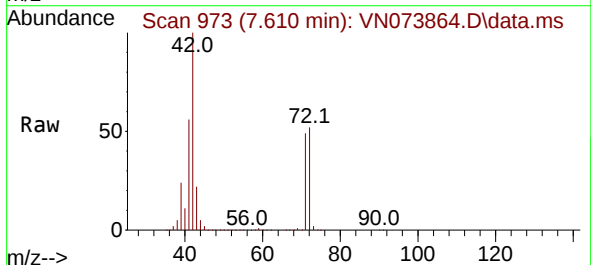
Tgt Ion: 43 Resp: 1797100
Ion Ratio Lower Upper
43 100
72 29.9 23.7 35.5

Manual Integrations
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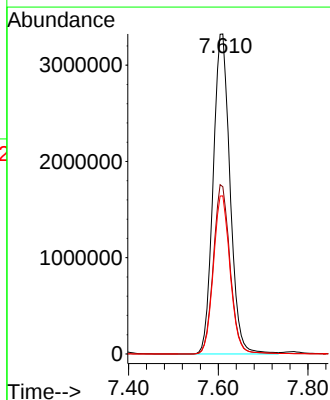
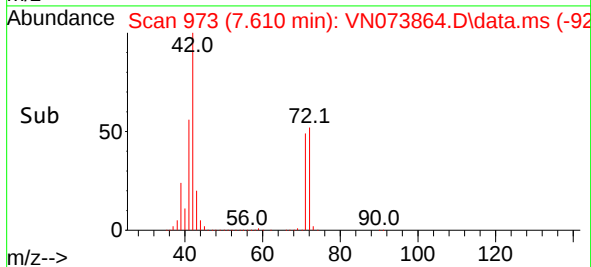
Reviewed By :John Carlone 08/13/2022
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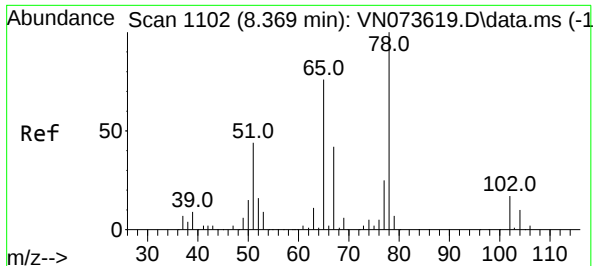


#29
Tetrahydrofuran
Concen: 2095.379 ug/l
RT: 7.610 min Scan# 973
Delta R.T. -0.000 min
Lab File: VN073864.D
Acq: 12 Aug 2022 20:20



Tgt Ion: 42 Resp: 8686165
Ion Ratio Lower Upper
42 100
72 52.7 39.7 59.5
71 49.4 36.6 55.0





#33

1,2-Dichloroethane-d4

Concen: 39.491 ug/l

RT: 8.369 min Scan# 1102

Delta R.T. -0.000 min

Lab File: VN073864.D

Acq: 12 Aug 2022 20:20

Instrument :

MSVOA_N

ClientSampleId :

11261

Tgt Ion: 65 Resp: 31042

Ion Ratio Lower Upper

65 100

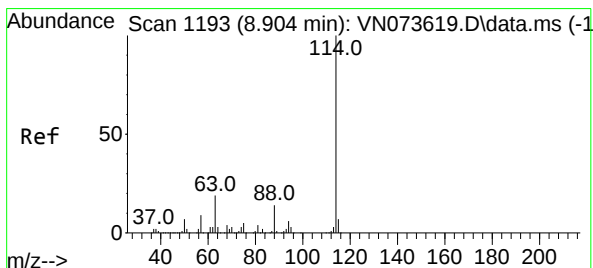
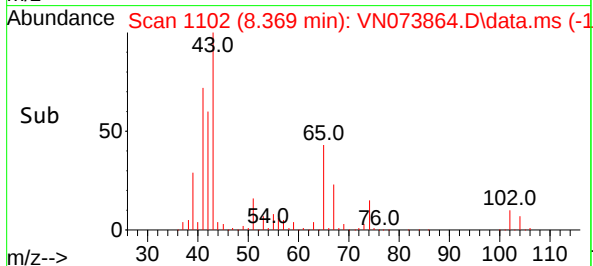
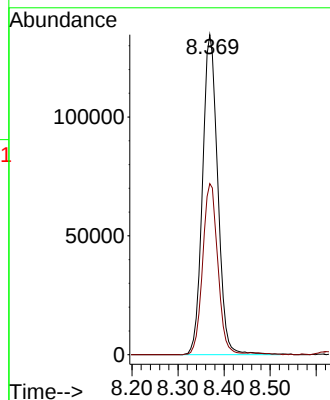
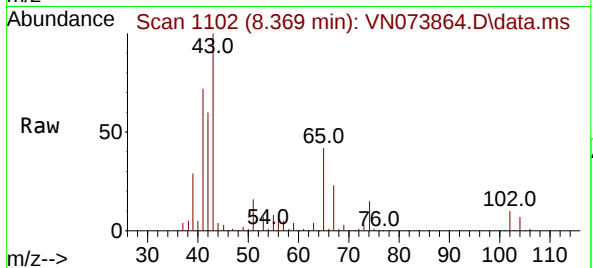
67 53.0 0.0 104.8

Manual Integrations

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.904 min Scan# 1193

Delta R.T. -0.000 min

Lab File: VN073864.D

Acq: 12 Aug 2022 20:20

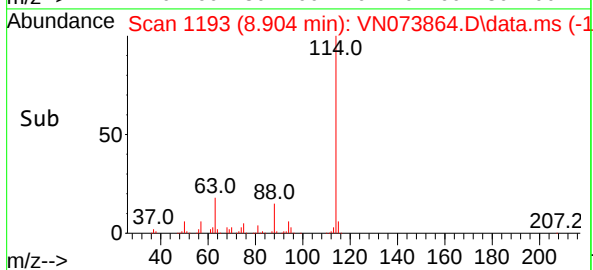
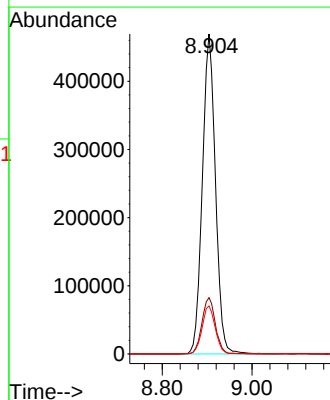
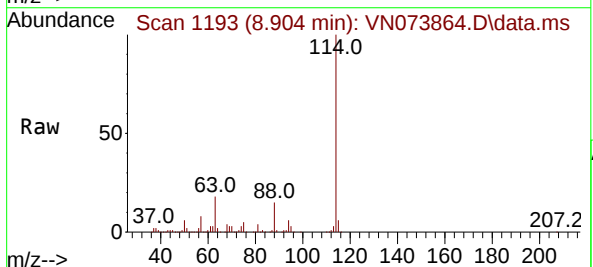
Tgt Ion:114 Resp: 950155

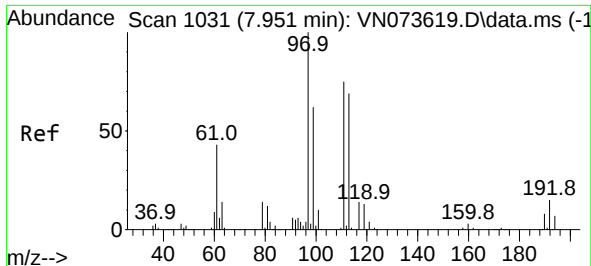
Ion Ratio Lower Upper

114 100

63 17.6 0.0 40.0

88 15.0 0.0 32.6





#35

Dibromofluoromethane

Concen: 50.811 ug/l

RT: 7.951 min Scan# 1031

Delta R.T. -0.000 min

Lab File: VN073864.D

Acq: 12 Aug 2022 20:20

Instrument :

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Tgt Ion:113 Resp: 303160

Ion Ratio Lower Upper

113 100

111 103.1 81.4 122.0

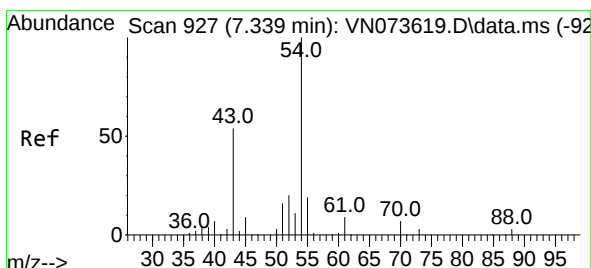
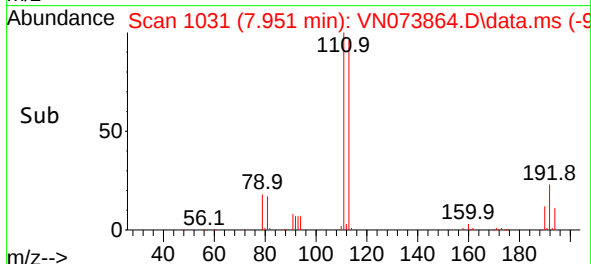
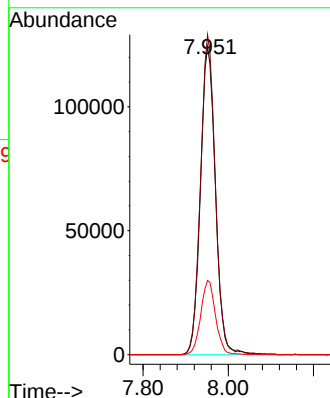
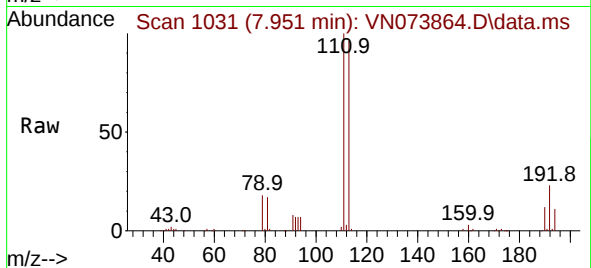
192 23.8 17.0 25.6

Manual Integrations

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Supervised By :Mahesh Dadoda 08/14/2022



#37

Ethyl Acetate

Concen: 41.096 ug/l

RT: 7.339 min Scan# 927

Delta R.T. -0.000 min

Lab File: VN073864.D

Acq: 12 Aug 2022 20:20

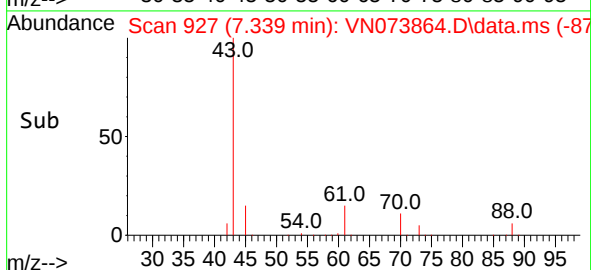
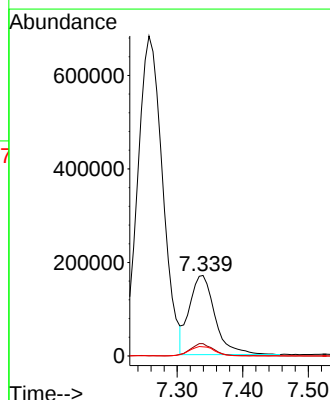
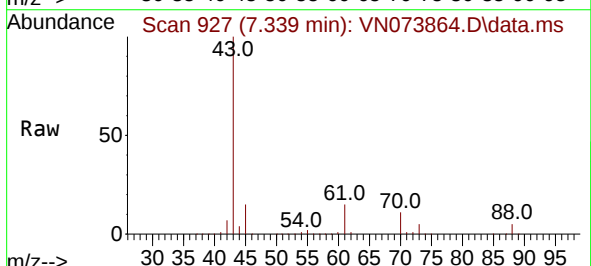
Tgt Ion: 43 Resp: 460228

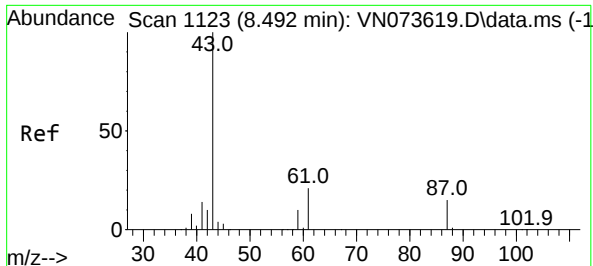
Ion Ratio Lower Upper

43 100

61 14.0 11.8 17.6

70 11.8 9.3 13.9





#43

Isopropyl Acetate

Concen: 43.432 ug/l

RT: 8.498 min Scan# 1123

Delta R.T. 0.006 min

Lab File: VN073864.D

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Tgt Ion: 43 Resp: 656950

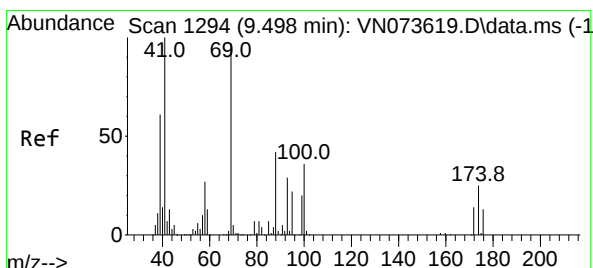
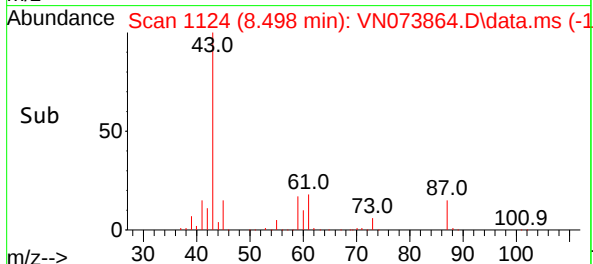
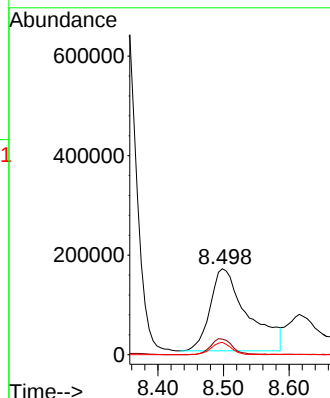
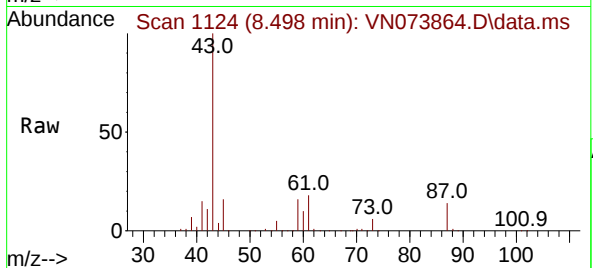
Ion	Ratio	Lower	Upper
43	100		
61	11.5	21.9	32.9
87	8.0	12.0	18.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/13/2022

Supervised By :Mahesh Dadoda 08/14/2022



#48

Methyl methacrylate

Concen: 477.902 ug/l

RT: 9.498 min Scan# 1294

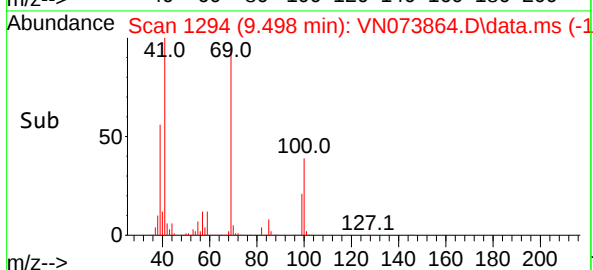
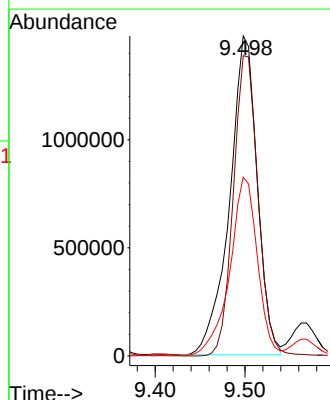
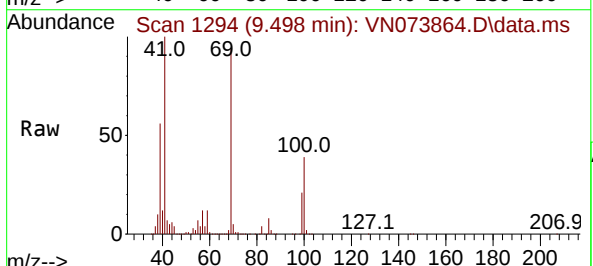
Delta R.T. -0.000 min

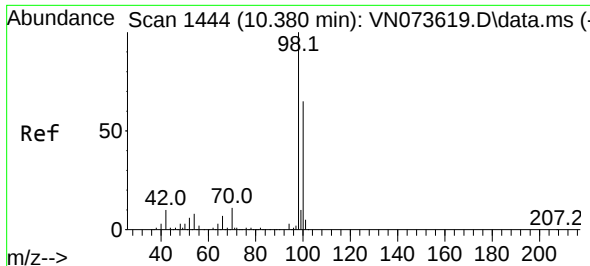
Lab File: VN073864.D

Acq: 12 Aug 2022 20:20

Tgt Ion: 41 Resp: 3164231

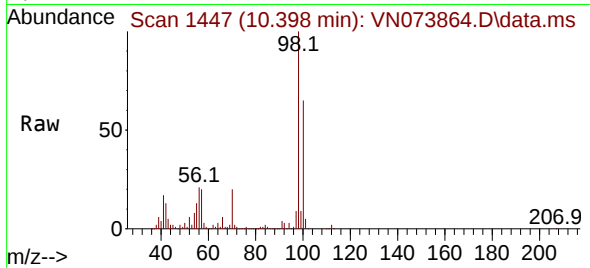
Ion	Ratio	Lower	Upper
41	100		
69	84.3	74.7	112.1
39	55.4	45.6	68.4





#50
Toluene-d8
Concen: 47.283 ug/l
RT: 10.398 min Scan# 1444
Delta R.T. 0.018 min
Lab File: VN073864.D
Acq: 12 Aug 2022 20:20

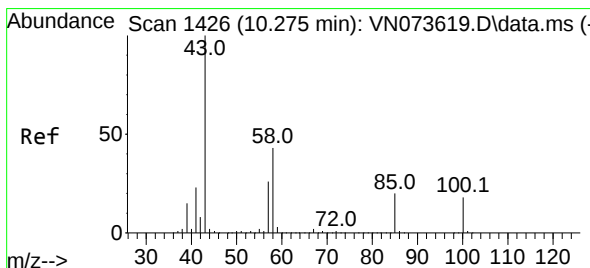
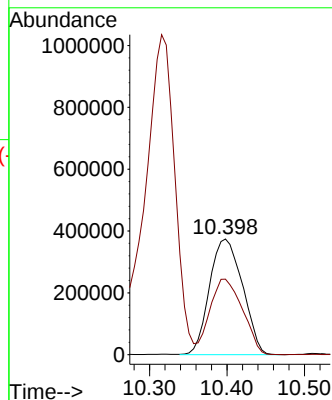
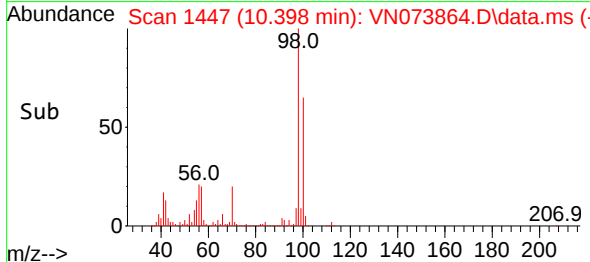
Instrument :
MSVOA_N
ClientSampleId :
11261



Tgt Ion: 98 Resp: 111012
Ion Ratio Lower Upper
98 100
100 64.8 52.6 78.8

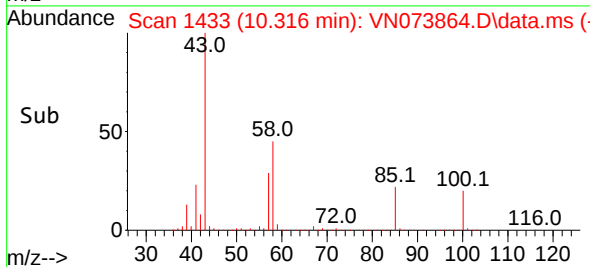
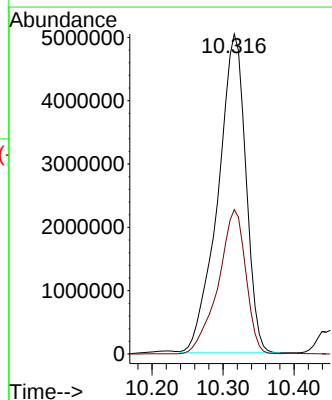
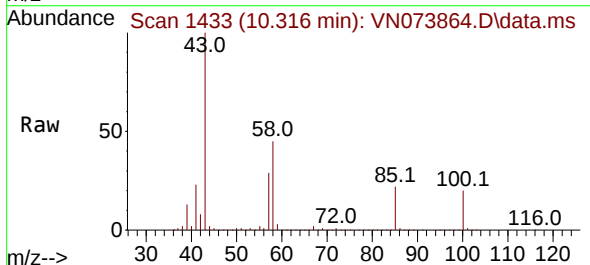
Manual Integrations
APPROVED

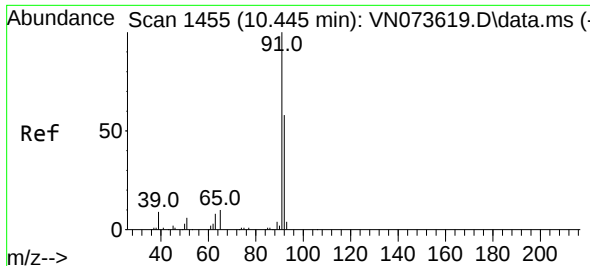
Reviewed By :John Carlone 08/13/2022
Supervised By :Mahesh Dadoda 08/14/2022



#51
4-Methyl-2-Pentanone
Concen: 1270.213 ug/l
RT: 10.316 min Scan# 1433
Delta R.T. 0.041 min
Lab File: VN073864.D
Acq: 12 Aug 2022 20:20

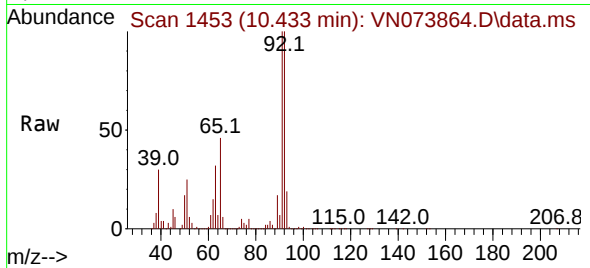
Tgt Ion: 43 Resp:13780588
Ion Ratio Lower Upper
43 100
58 44.7 34.1 51.1





#52
Toluene
Concen: 3111.614 ug/l m
RT: 10.433 min Scan# 1455
Delta R.T. -0.012 min
Lab File: VN073864.D
Acq: 12 Aug 2022 20:20

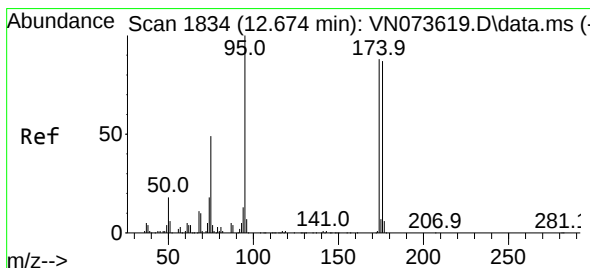
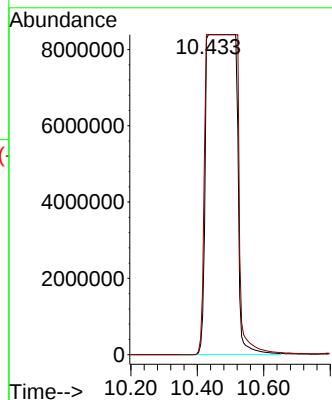
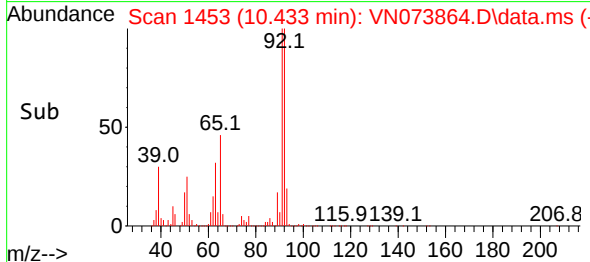
Instrument :
MSVOA_N
ClientSampleId :
11261



Tgt Ion: 92 Resp: 5248235
Ion Ratio Lower Upper
92 100
91 0.0 138.6 207.8

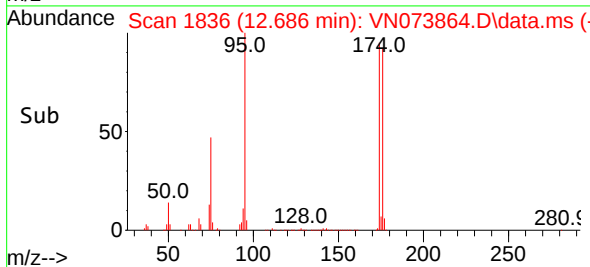
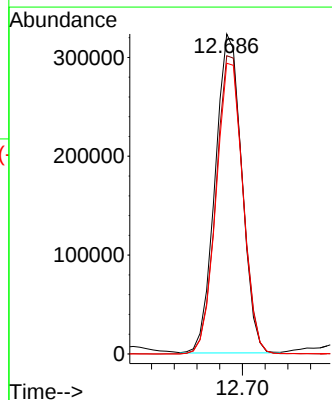
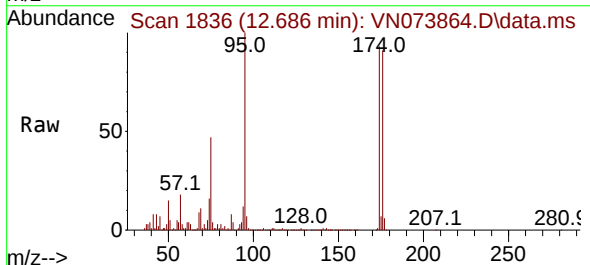
Manual Integrations
APPROVED

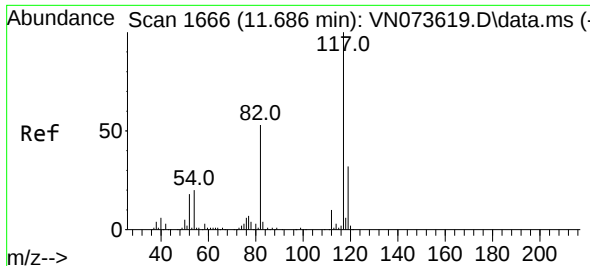
Reviewed By : John Carlone 08/13/2022
Supervised By : Mahesh Dadoda 08/14/2022



#62
4-Bromofluorobenzene
Concen: 62.992 ug/l
RT: 12.686 min Scan# 1836
Delta R.T. 0.012 min
Lab File: VN073864.D
Acq: 12 Aug 2022 20:20

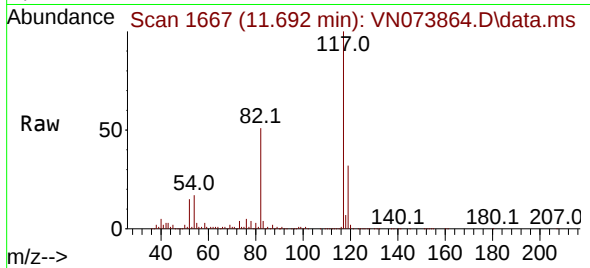
Tgt Ion: 95 Resp: 525412
Ion Ratio Lower Upper
95 100
174 94.5 0.0 167.6
176 91.9 0.0 163.4





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.692 min Scan# 11261
Delta R.T. 0.006 min
Lab File: VN073864.D
Acq: 12 Aug 2022 20:20

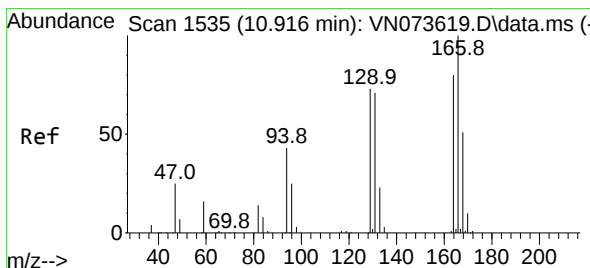
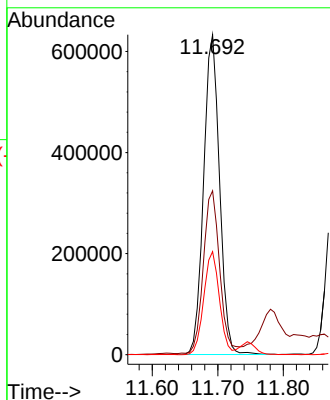
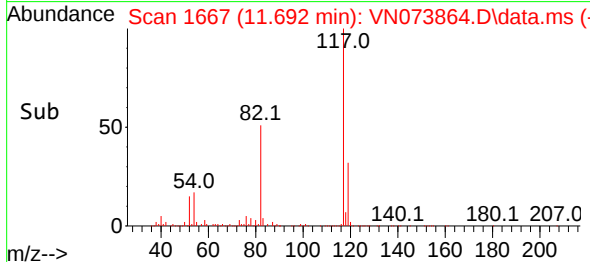
Instrument :
MSVOA_N
ClientSampleId :
11261



Tgt Ion:117 Resp: 1068840
Ion Ratio Lower Upper
117 100
82 50.9 44.2 66.2
119 32.2 25.4 38.0

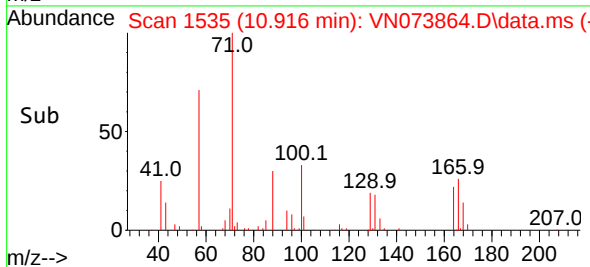
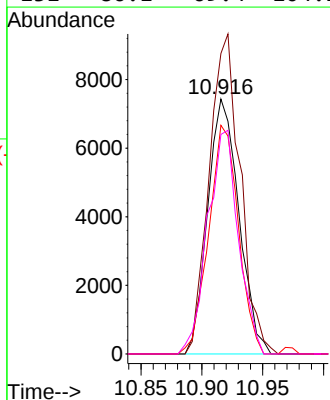
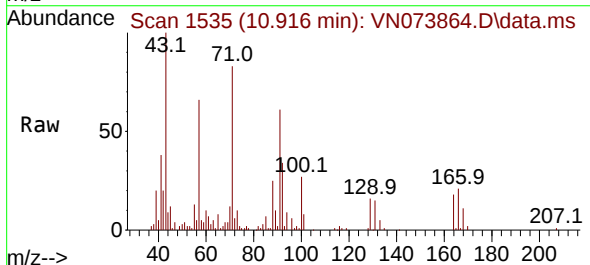
Manual Integrations
APPROVED

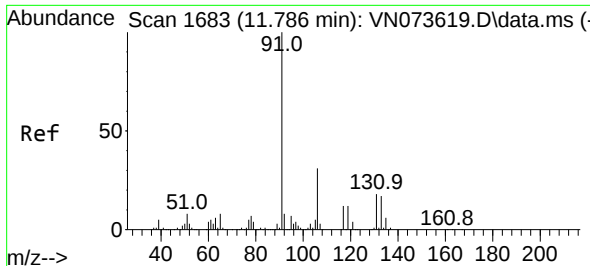
Reviewed By :John Carlone 08/13/2022
Supervised By :Mahesh Dadoda 08/14/2022



#64
Tetrachloroethene
Concen: 1.563 ug/l
RT: 10.916 min Scan# 1535
Delta R.T. -0.000 min
Lab File: VN073864.D
Acq: 12 Aug 2022 20:20

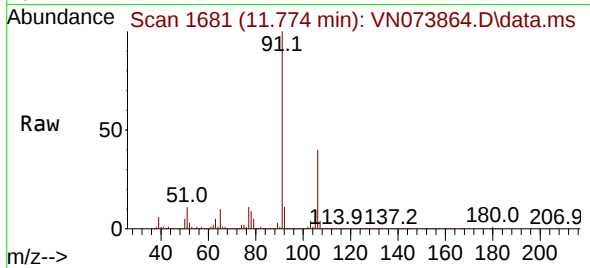
Tgt Ion:164 Resp: 13279
Ion Ratio Lower Upper
164 100
166 117.9 104.2 156.2
129 89.7 73.9 110.9
131 86.1 69.4 104.2





#67
Ethyl Benzene
Concen: 589.036 ug/l m
RT: 11.774 min Scan# 11261
Delta R.T. -0.012 min
Lab File: VN073864.D
Acq: 12 Aug 2022 20:20

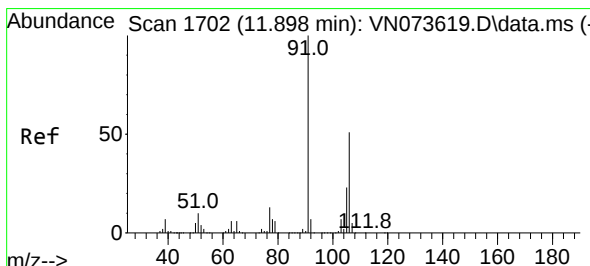
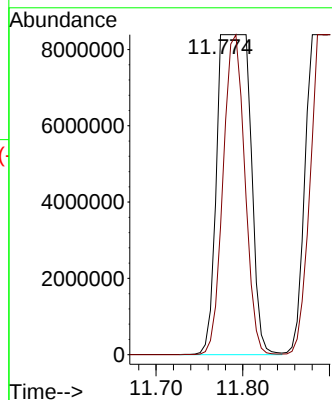
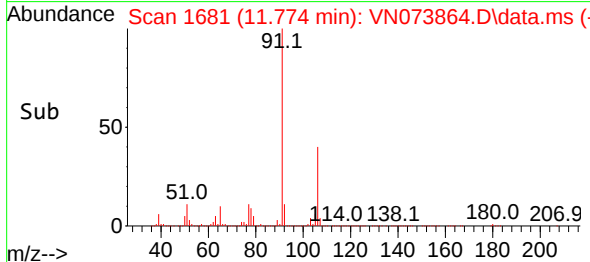
Instrument :
MSVOA_N
ClientSampleId :
11261



Tgt Ion: 91 Resp:22560879
Ion Ratio Lower Upper
91 100
106 39.9 24.9 37.3#

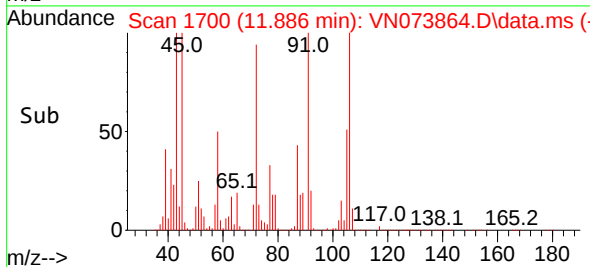
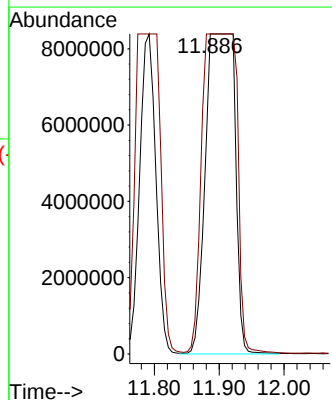
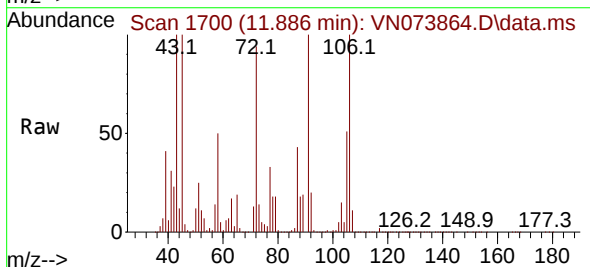
Manual Integrations
APPROVED

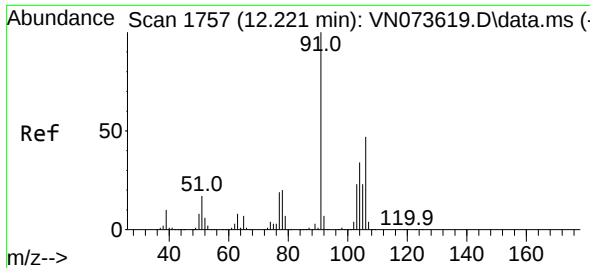
Reviewed By :John Carlone 08/13/2022
Supervised By :Mahesh Dadoda 08/14/2022



#68
m/p-Xylenes
Concen: 1806.536 ug/l m
RT: 11.886 min Scan# 1700
Delta R.T. -0.012 min
Lab File: VN073864.D
Acq: 12 Aug 2022 20:20

Tgt Ion:106 Resp:26390137
Ion Ratio Lower Upper
106 100
91 0.0 158.9 238.3#





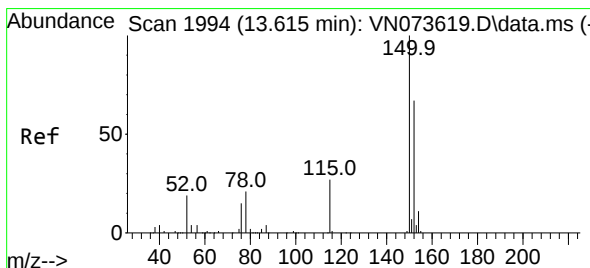
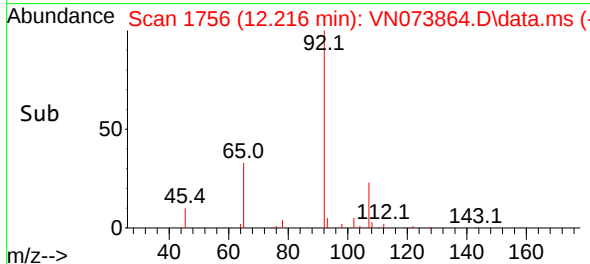
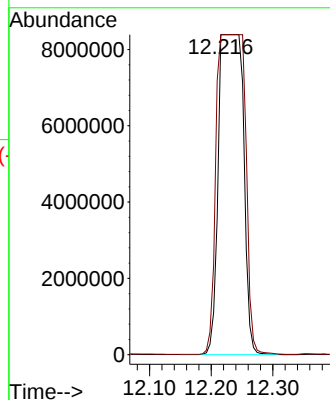
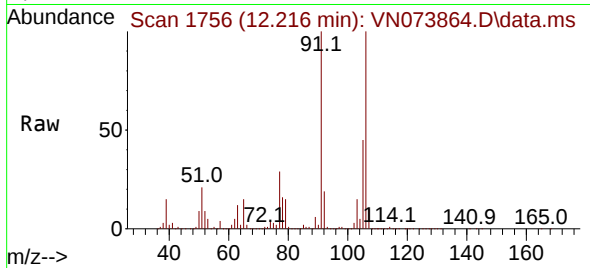
#69
o-Xylene
Concen: 1643.935 ug/l m
RT: 12.216 min Scan# 11261
Delta R.T. -0.006 min
Lab File: VN073864.D
Acq: 12 Aug 2022 20:20

Instrument :
MSVOA_N
ClientSampleId :
11261

Tgt Ion:106 Resp:2341279
Ion Ratio Lower Upper
106 100
91 0.0 106.0 318.0

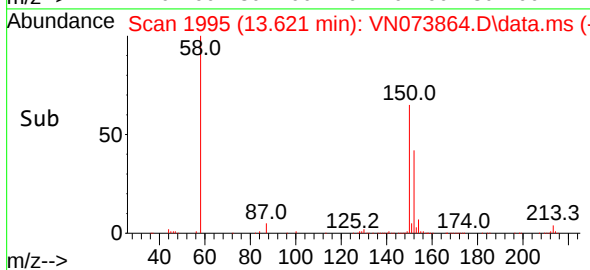
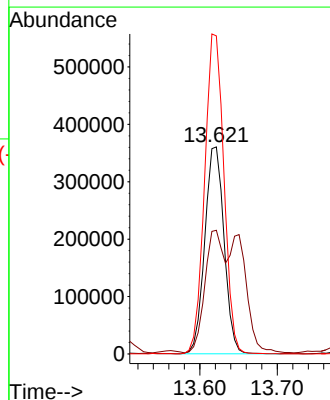
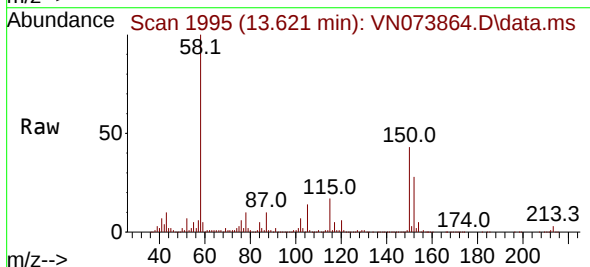
Manual Integrations
APPROVED

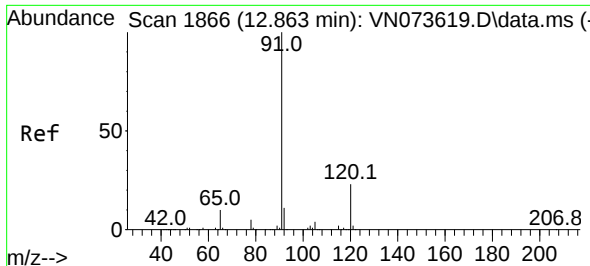
Reviewed By :John Carlone 08/13/2022
Supervised By :Mahesh Dadoda 08/14/2022



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.621 min Scan# 1995
Delta R.T. 0.006 min
Lab File: VN073864.D
Acq: 12 Aug 2022 20:20

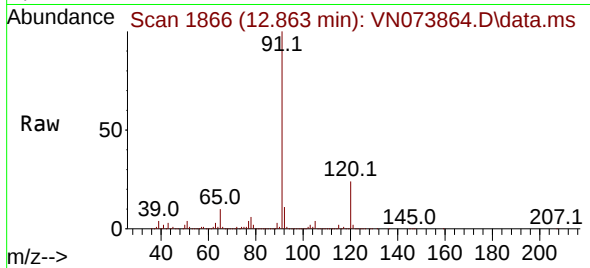
Tgt Ion:152 Resp: 622399
Ion Ratio Lower Upper
152 100
115 59.9 28.9 86.7
150 154.5 0.0 356.2





#78
n-propylbenzene
Concen: 75.100 ug/l
RT: 12.863 min Scan# 1866
Delta R.T. -0.000 min
Lab File: VN073864.D
Acq: 12 Aug 2022 20:20

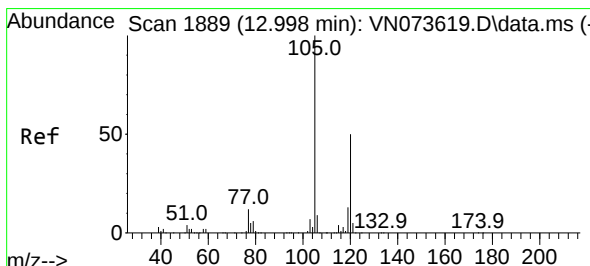
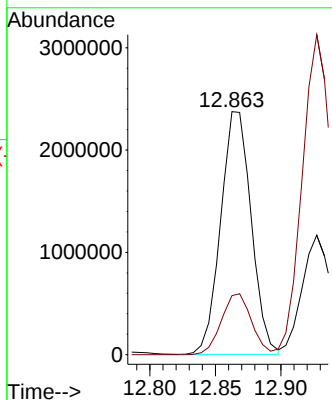
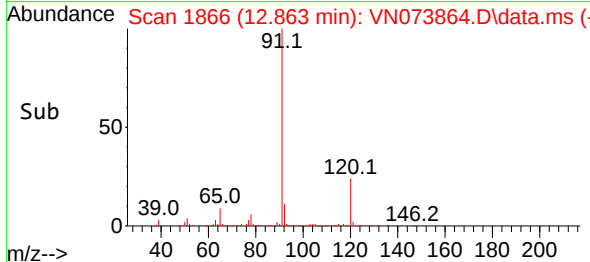
Instrument :
MSVOA_N
ClientSampleId :
11261



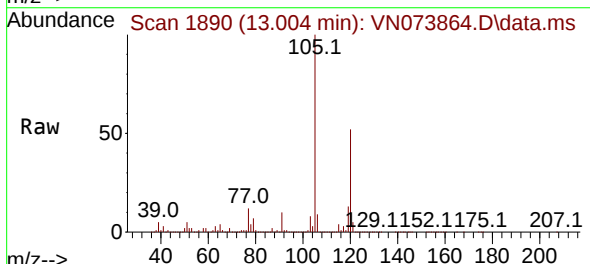
Tgt Ion: 91 Resp: 385000
Ion Ratio Lower Upper
91 100
120 24.7 11.9 35.5

Manual Integrations
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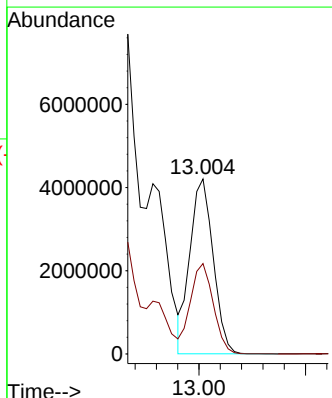
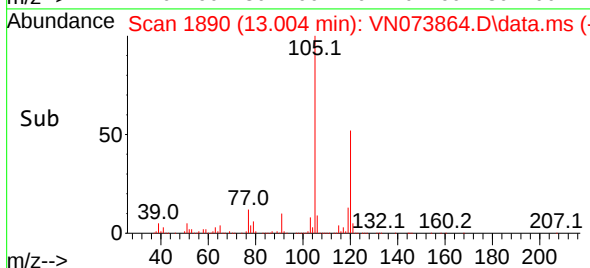
Reviewed By :John Carlone 08/13/2022
Supervised By :Mahesh Dadoda 08/14/2022

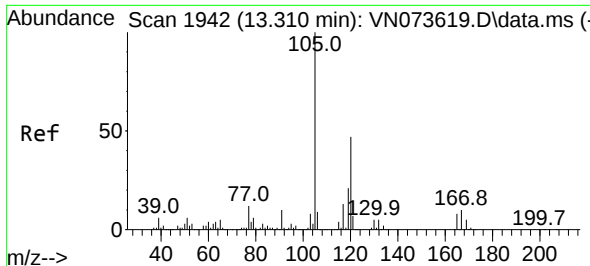


#80
1,3,5-Trimethylbenzene
Concen: 170.159 ug/l
RT: 13.004 min Scan# 1890
Delta R.T. 0.006 min
Lab File: VN073864.D
Acq: 12 Aug 2022 20:20



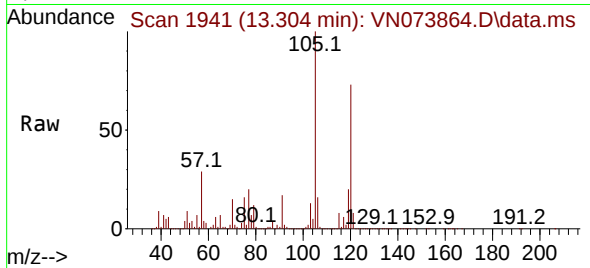
Tgt Ion:105 Resp: 6379971
Ion Ratio Lower Upper
105 100
120 51.2 24.9 74.7





#84
1,2,4-Trimethylbenzene
Concen: 546.045 ug/l
RT: 13.304 min Scan# 1942
Delta R.T. -0.006 min
Lab File: VN073864.D
Acq: 12 Aug 2022 20:20

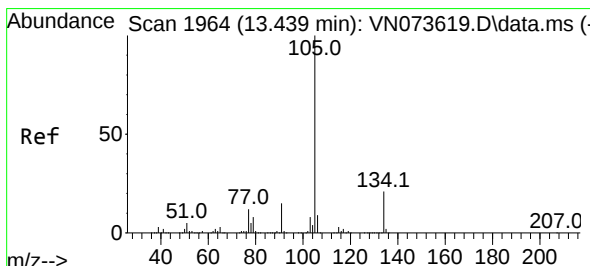
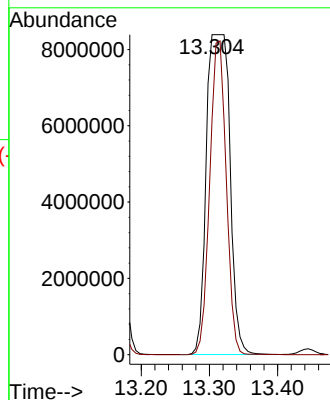
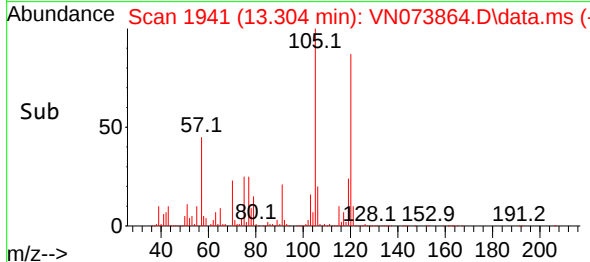
Instrument :
MSVOA_N
ClientSampleId :
11261



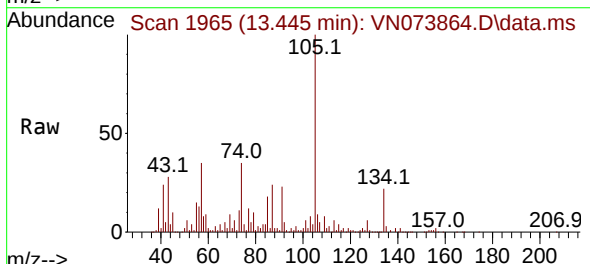
Tgt Ion:105 Resp:2013148
Ion Ratio Lower Upper
105 100
120 68.7 23.3 69.8

Manual Integrations
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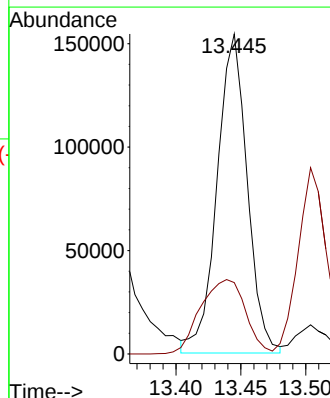
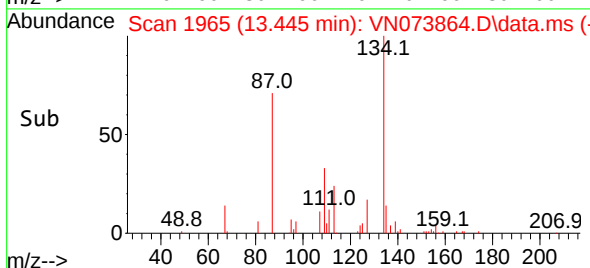
Reviewed By :John Carlone 08/13/2022
Supervised By :Mahesh Dadoda 08/14/2022

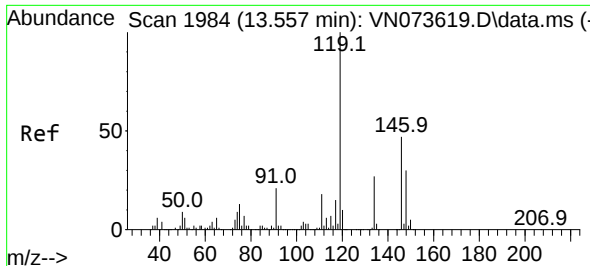


#85
sec-Butylbenzene
Concen: 5.434 ug/l m
RT: 13.445 min Scan# 1965
Delta R.T. 0.006 min
Lab File: VN073864.D
Acq: 12 Aug 2022 20:20



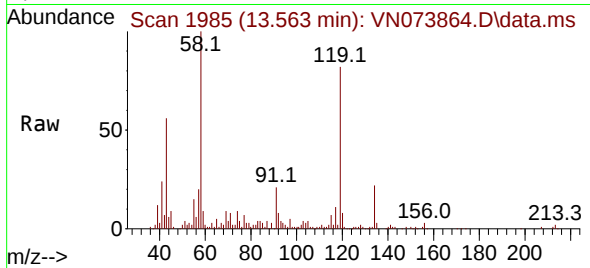
Tgt Ion:105 Resp: 249418
Ion Ratio Lower Upper
105 100
134 0.0 10.4 31.1#





#86
p-Isopropyltoluene
Concen: 2.808 ug/l
RT: 13.563 min Scan# 1984
Delta R.T. 0.006 min
Lab File: VN073864.D
Acq: 12 Aug 2022 20:20

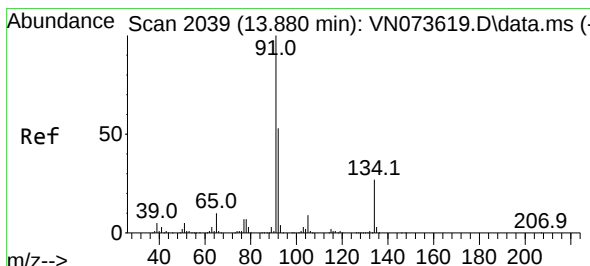
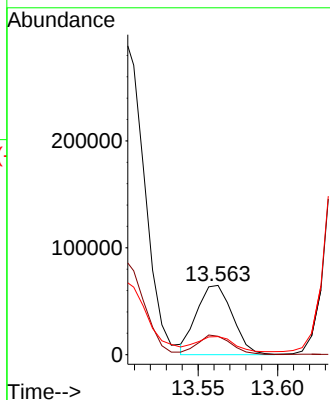
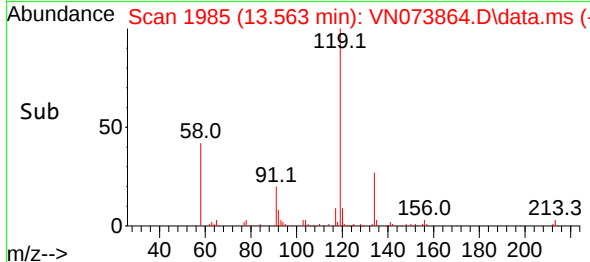
Instrument :
MSVOA_N
ClientSampleId :
11261



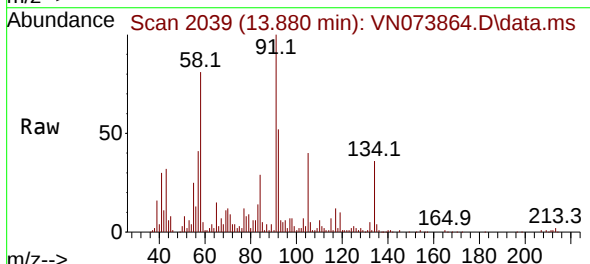
Tgt Ion: 119 Resp: 101612
Ion Ratio Lower Upper
119 100
134 132.9 13.3 39.8
91 105.0 11.3 33.9

Manual Integrations
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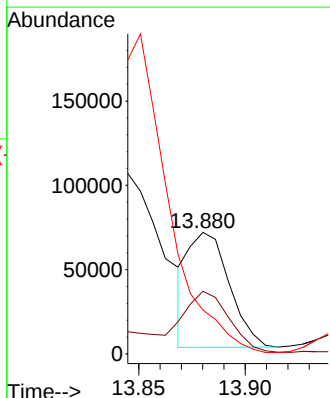
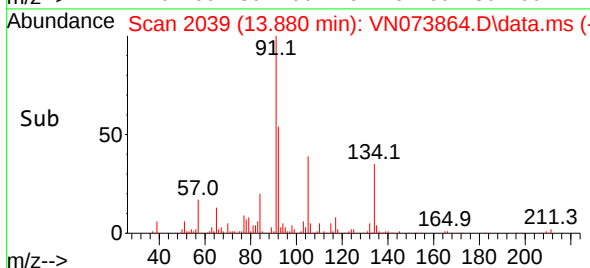
Reviewed By :John Carlone 08/13/2022
Supervised By :Mahesh Dadoda 08/14/2022

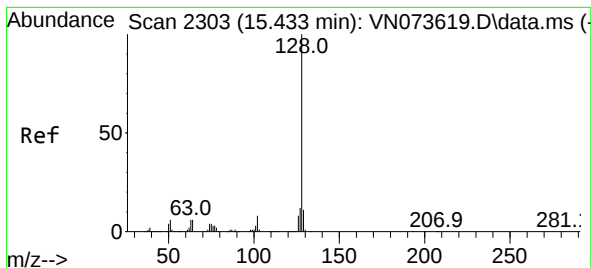


#89
n-Butylbenzene
Concen: 3.113 ug/l
RT: 13.880 min Scan# 2039
Delta R.T. -0.000 min
Lab File: VN073864.D
Acq: 12 Aug 2022 20:20



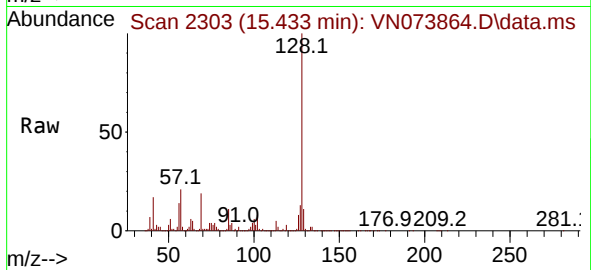
Tgt Ion: 91 Resp: 91650
Ion Ratio Lower Upper
91 100
92 58.3 26.9 80.7
134 0.0 13.6 40.8





#95
Naphthalene
Concen: 45.007 ug/l
RT: 15.433 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN073864.D
Acq: 12 Aug 2022 20:20

Instrument :
MSVOA_N
ClientSampleId :
11261



Tgt Ion:128 Resp: 159170
Ion Ratio Lower Upper
128 100
127 13.0 10.3 15.5
129 11.3 8.6 13.0

Manual Integrations
APPROVED

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