

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081222\
 Data File : VN073860.D
 Acq On : 12 Aug 2022 18:41
 Operator : JC\MD
 Sample : N4156-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 FMC-00072

Manual Integrations
 APPROVED

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

Quant Time: Aug 13 05:04:36 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	8.039	168	478548	50.000	ug/l	0.02
34) 1,4-Difluorobenzene	8.922	114	733451	50.000	ug/l	0.02
63) Chlorobenzene-d5	11.686	117	728957	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.615	152	427524	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.398	65	250983	43.036	ug/l	0.03
Spiked Amount 50.000	Range 74 - 125		Recovery =	86.080%		
35) Dibromofluoromethane	7.981	113	243494	52.869	ug/l	0.03
Spiked Amount 50.000	Range 75 - 124		Recovery =	105.740%		
50) Toluene-d8	10.392	98	803273	44.322	ug/l	0.01
Spiked Amount 50.000	Range 86 - 113		Recovery =	88.640%		
62) 4-Bromofluorobenzene	12.674	95	362485	56.591	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	113.180%		
Target Compounds					Qvalue	
16) Acetone	4.275	43	4376706	1397.257	ug/l	96
20) Methylene Chloride	4.992	84	122712	23.027	ug/l	96
39) Methylcyclohexane	9.404	83	13937	1.777	ug/l	92
40) Benzene	8.410	78	50466	2.368	ug/l	97
43) Isopropyl Acetate	8.522	43	273789	23.448	ug/l #	89
51) 4-Methyl-2-Pentanone	10.292	43	121477	14.505	ug/l	97
52) Toluene	10.445	92	25895318m	1988.919	ug/l	
67) Ethyl Benzene	11.786	91	540327	20.685	ug/l	99
68) m/p-Xylenes	11.892	106	682150	68.470	ug/l	99
69) o-Xylene	12.221	106	443178	45.627	ug/l	99
73) Isopropylbenzene	12.521	105	83350	2.663	ug/l	96
78) n-propylbenzene	12.863	91	230152	6.536	ug/l	100
80) 1,3,5-Trimethylbenzene	13.004	105	282173	10.956	ug/l	98
84) 1,2,4-Trimethylbenzene	13.310	105	1439107	56.827	ug/l	98
85) sec-Butylbenzene	13.445	105	57419	1.821	ug/l	81
86) p-Isopropyltoluene	13.557	119	38720	1.558	ug/l	98
89) n-Butylbenzene	13.880	91	53110	2.626	ug/l #	73
95) Naphthalene	15.433	128	736015	30.298	ug/l	99

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

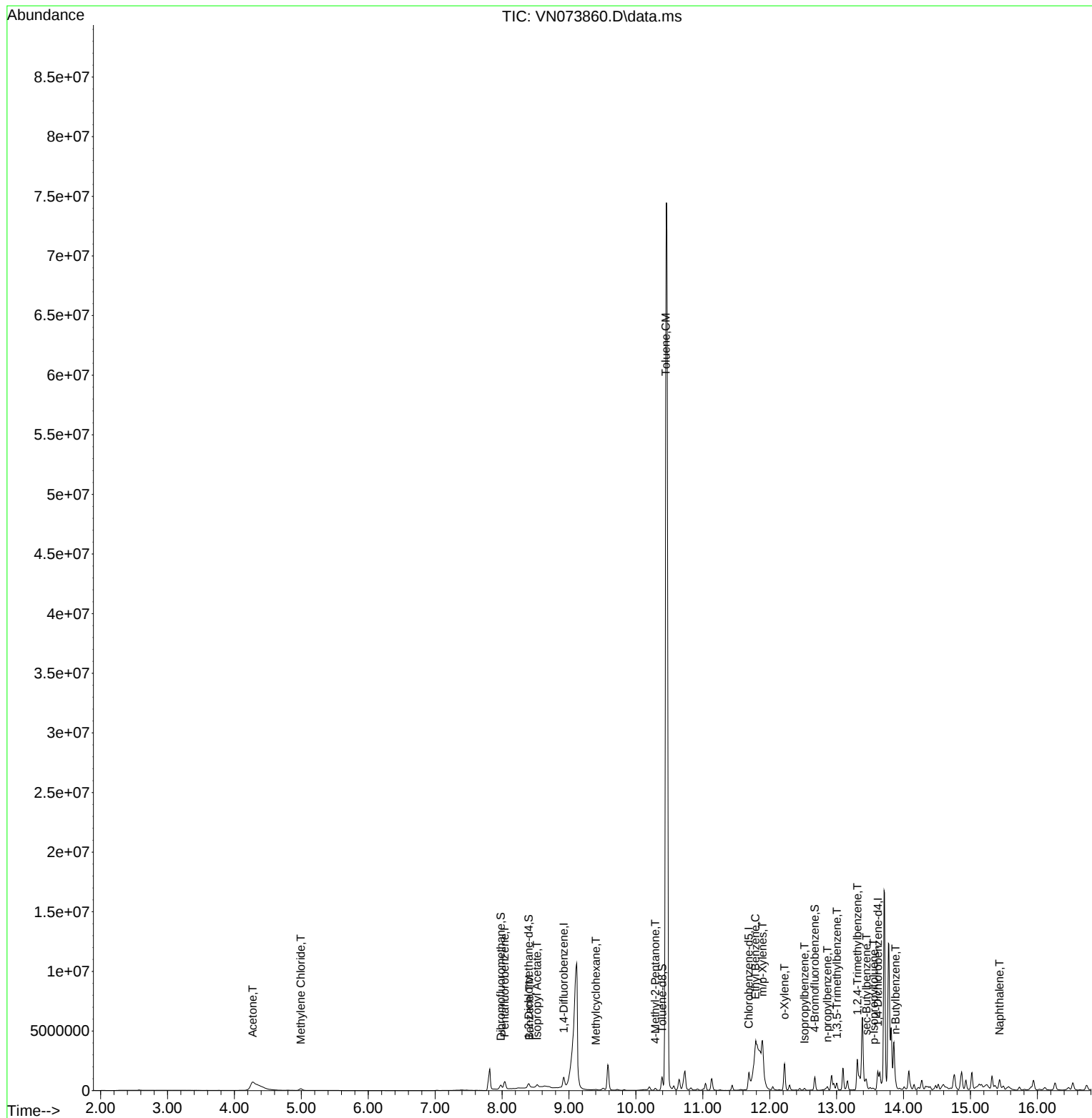
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081222\
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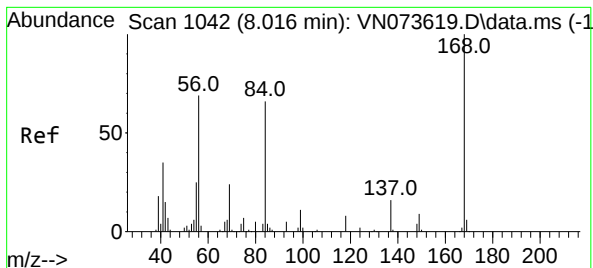
Instrument :
MSVOA_N
ClientSampleId :
FMC-00072

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Quant Time: Aug 13 05:04:36 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: 8.039 min Scan# 1046

Delta R.T. 0.023 min

Lab File: VN073860.D

Acq: 12 Aug 2022 18:41

Instrument :

MSVOA_N

ClientSampleId :

FMC-00072

Tgt Ion:168 Resp: 47854

Ion Ratio Lower Upper

168 100

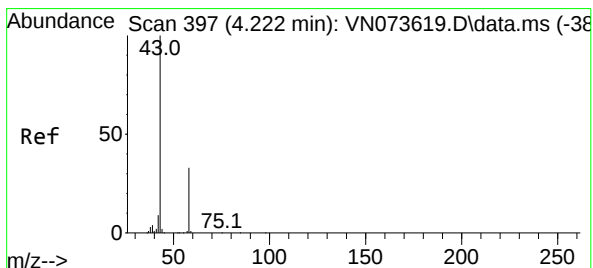
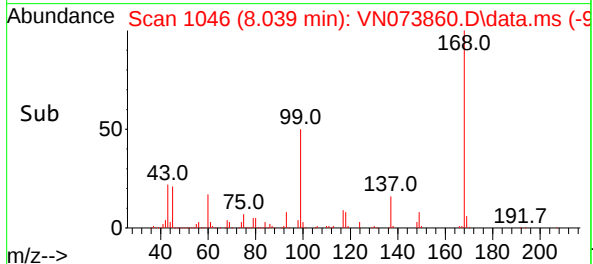
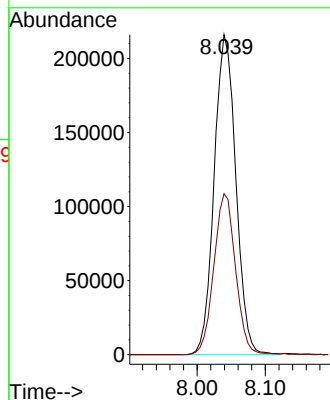
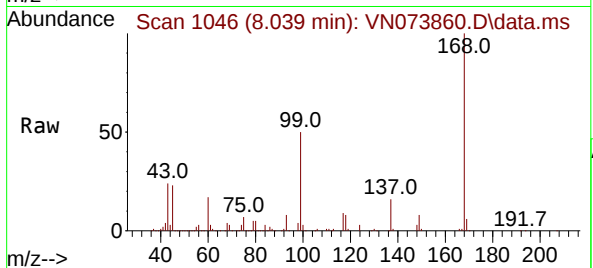
99 50.3 42.3 63.5

Manual Integrations

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#16

Acetone

Concen: 1397.257 ug/l

RT: 4.275 min Scan# 406

Delta R.T. 0.053 min

Lab File: VN073860.D

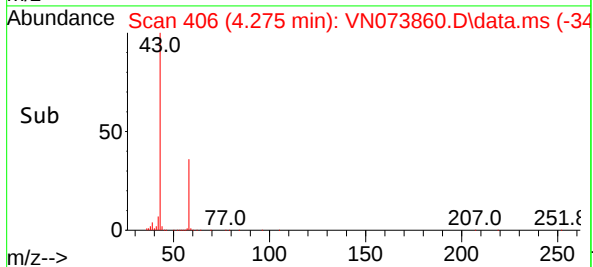
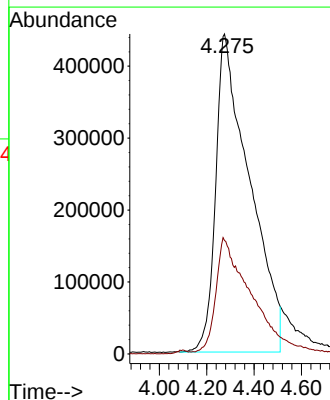
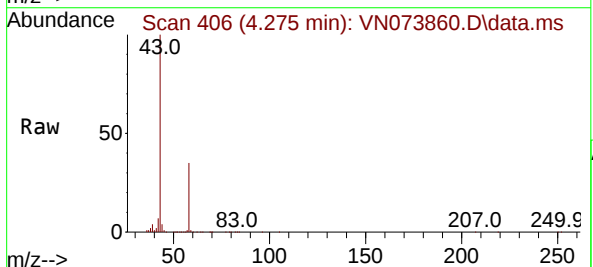
Acq: 12 Aug 2022 18:41

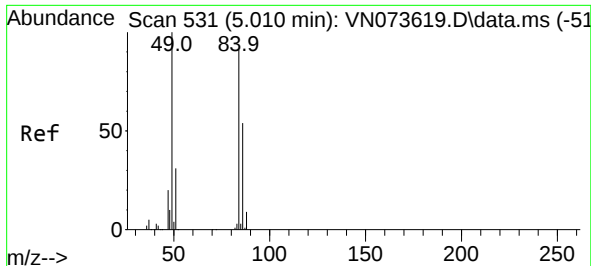
Tgt Ion: 43 Resp: 4376706

Ion Ratio Lower Upper

43 100

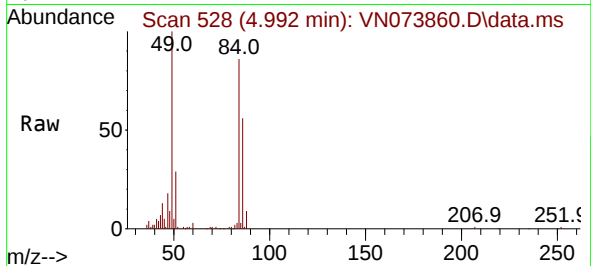
58 34.5 26.0 39.0





#20
Methylene Chloride
Concen: 23.027 ug/l
RT: 4.992 min Scan# 51
Delta R.T. -0.018 min
Lab File: VN073860.D
Acq: 12 Aug 2022 18:41

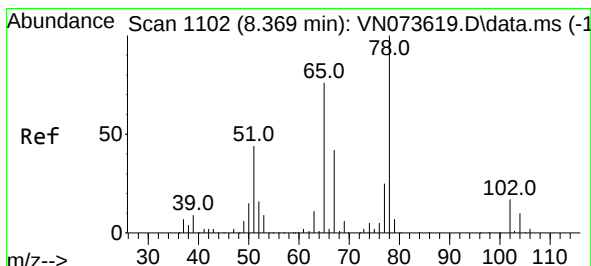
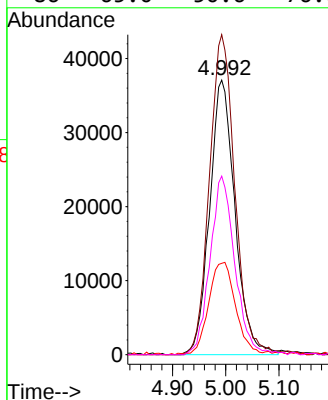
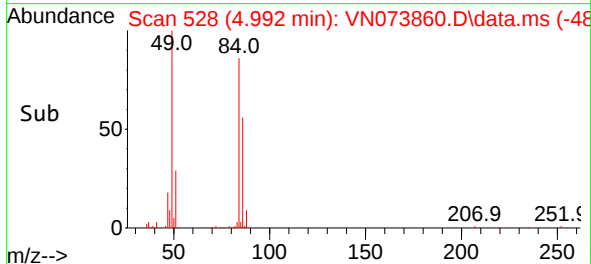
Instrument :
MSVOA_N
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FMC-00072



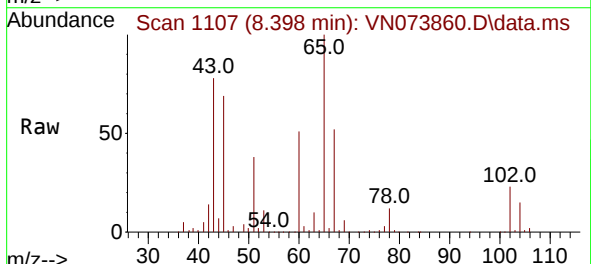
Tgt Ion: 84 Resp: 122712
Ion Ratio Lower Upper
84 100
49 116.6 88.3 132.5
51 32.7 28.2 42.2
86 65.0 50.6 76.0

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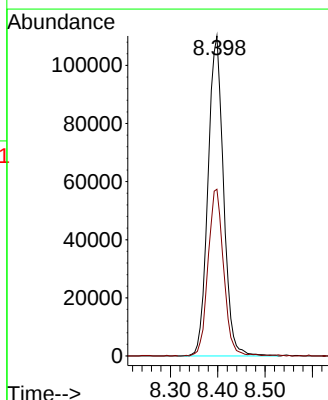
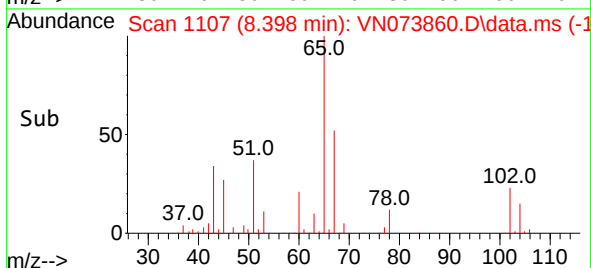
Reviewed By :John Carlone 08/13/2022
Supervised By :Mahesh Dadoda 08/14/2022

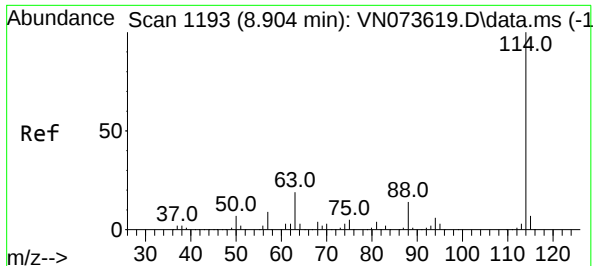


#33
1,2-Dichloroethane-d4
Concen: 43.036 ug/l
RT: 8.398 min Scan# 1107
Delta R.T. 0.029 min
Lab File: VN073860.D
Acq: 12 Aug 2022 18:41



Tgt Ion: 65 Resp: 250983
Ion Ratio Lower Upper
65 100
67 52.2 0.0 104.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.922 min Scan# 1196

Delta R.T. 0.018 min

Lab File: VN073860.D

Acq: 12 Aug 2022 18:41

Instrument :

MSVOA_N

ClientSampleId :

FMC-00072

Tgt Ion:114 Resp: 73345

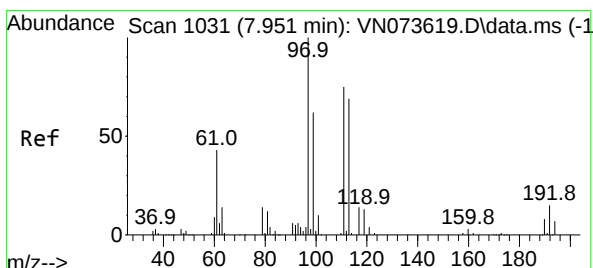
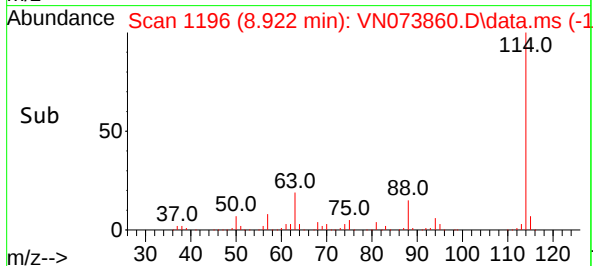
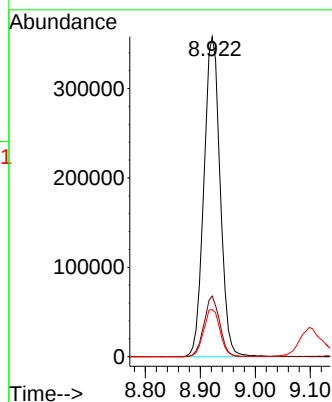
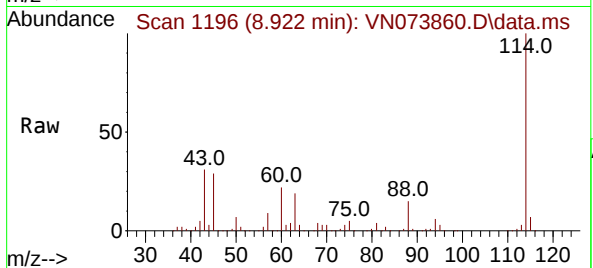
Ion	Ratio	Lower	Upper
114	100		
63	19.0	0.0	40.0
88	14.8	0.0	32.6

Manual Integrations

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Supervised By :Mahesh Dadoda 08/14/2022



#35

Dibromofluoromethane

Concen: 52.869 ug/l

RT: 7.981 min Scan# 1036

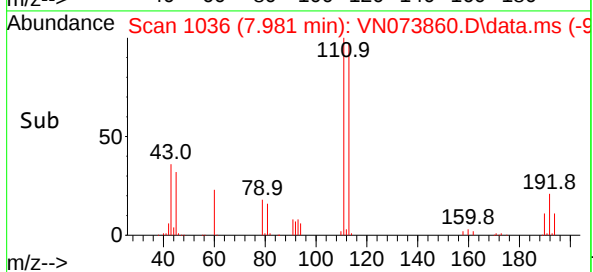
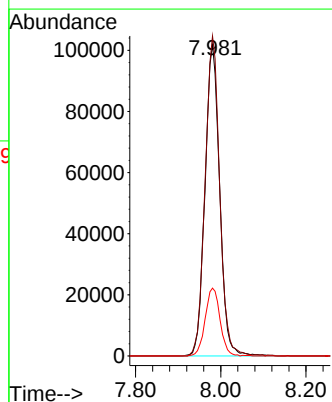
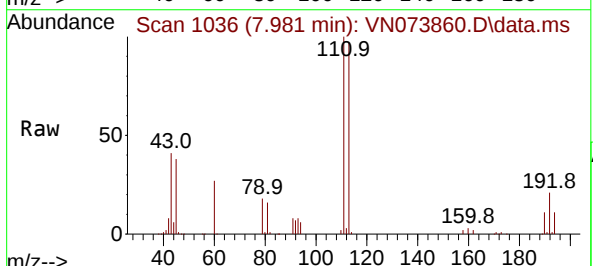
Delta R.T. 0.029 min

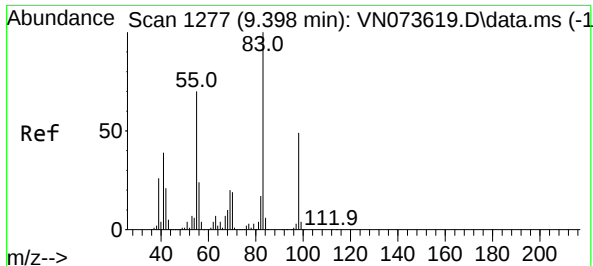
Lab File: VN073860.D

Acq: 12 Aug 2022 18:41

Tgt Ion:113 Resp: 243494

Ion	Ratio	Lower	Upper
113	100		
111	102.1	81.4	122.0
192	22.0	17.0	25.6





#39

Methylcyclohexane

Concen: 1.777 ug/l

RT: 9.404 min Scan# 1109

Delta R.T. 0.006 min

Lab File: VN073860.D

Acq: 12 Aug 2022 18:41

Instrument :

MSVOA_N

ClientSampleId :

FMC-00072

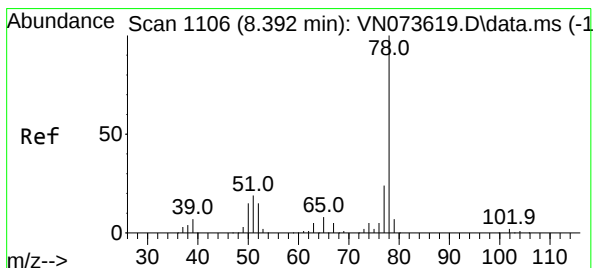
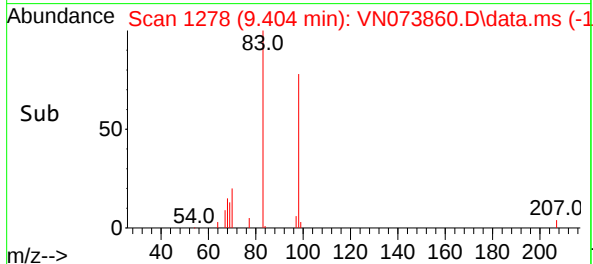
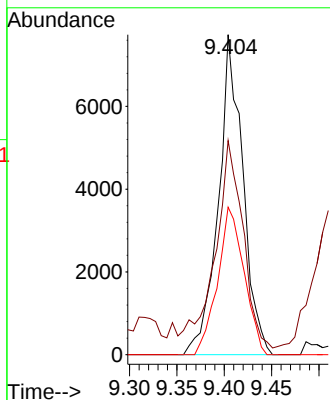
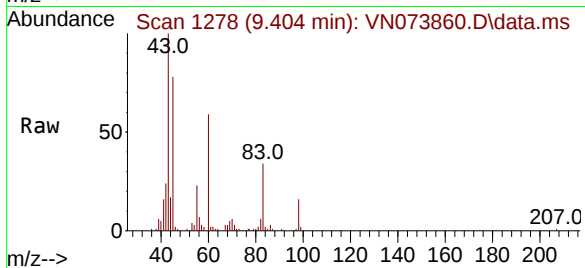
Tgt Ion:	83	Resp:	1393
Ion Ratio	Lower	Upper	
83	100		
55	64.3	57.8	86.8
98	46.1	39.4	59.2

Manual Integrations

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Supervised By :Mahesh Dadoda 08/14/2022



#40

Benzene

Concen: 2.368 ug/l

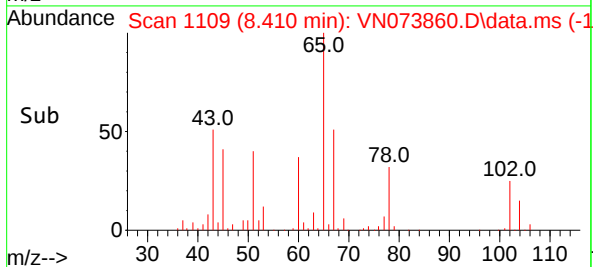
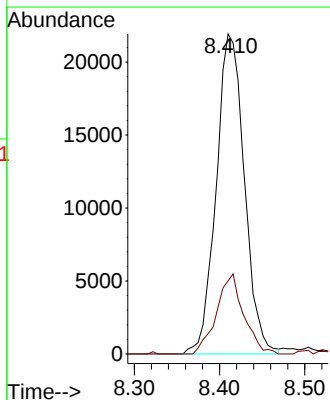
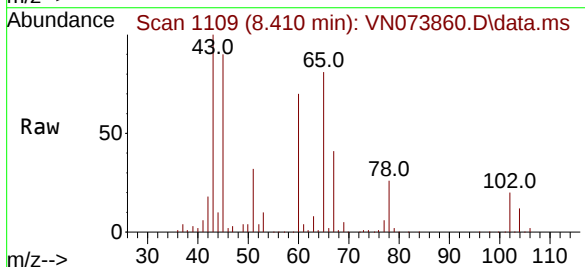
RT: 8.410 min Scan# 1109

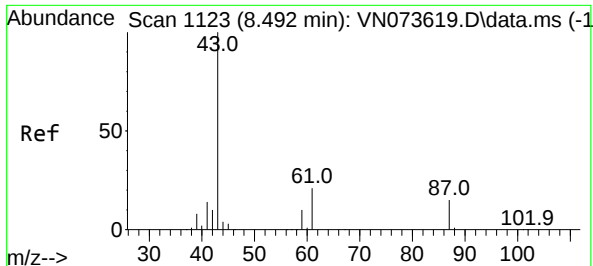
Delta R.T. 0.018 min

Lab File: VN073860.D

Acq: 12 Aug 2022 18:41

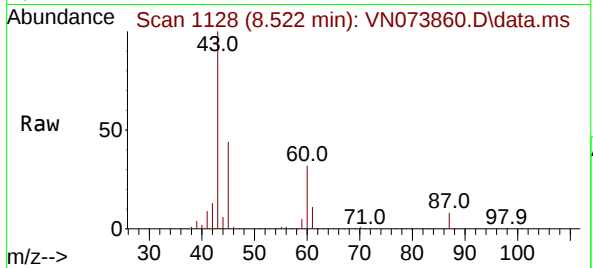
Tgt Ion:	78	Resp:	50466
Ion Ratio	Lower	Upper	
78	100		
77	22.8	19.4	29.0





#43
Isopropyl Acetate
Concen: 23.448 ug/l
RT: 8.522 min Scan# 1128
Delta R.T. 0.029 min
Lab File: VN073860.D
Acq: 12 Aug 2022 18:41

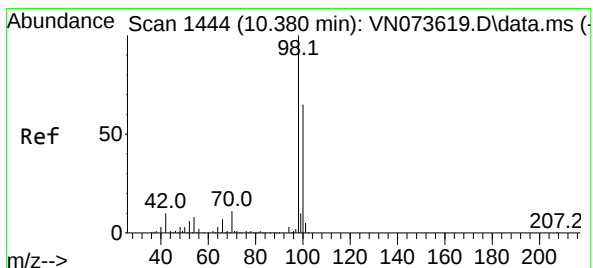
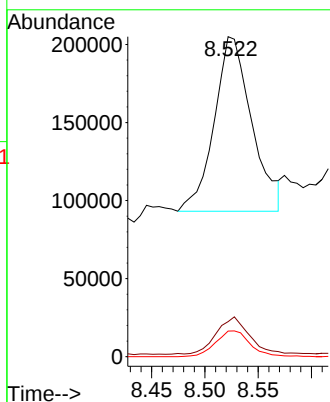
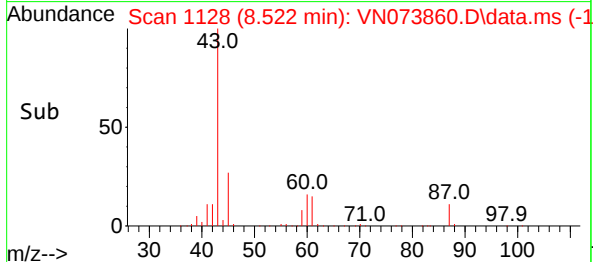
Instrument :
MSVOA_N
ClientSampleId :
FMC-00072



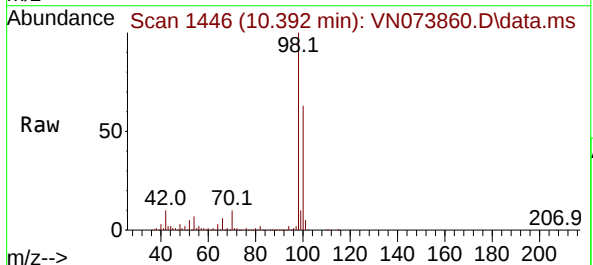
Tgt Ion: 43 Resp: 273789
Ion Ratio Lower Upper
43 100
61 19.3 21.9 32.9
87 13.7 12.0 18.0

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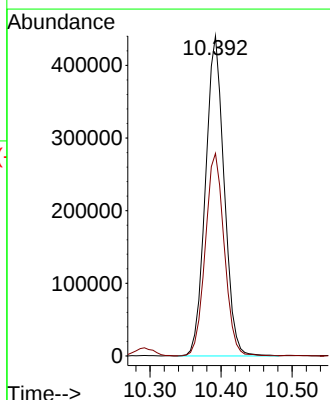
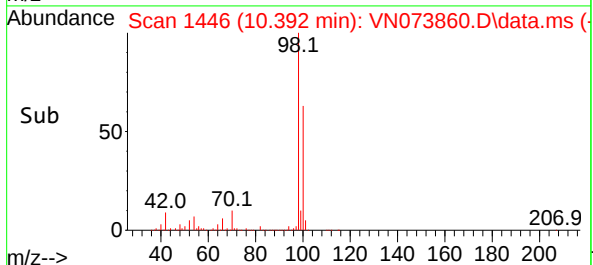
Reviewed By :John Carlone 08/13/2022
Supervised By :Mahesh Dadoda 08/14/2022

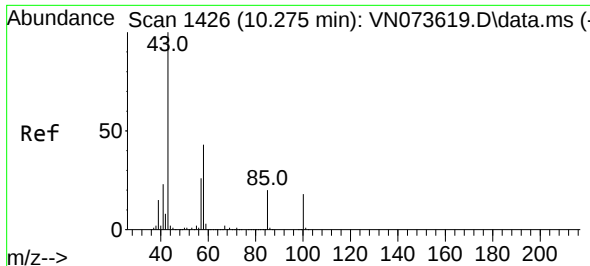


#50
Toluene-d8
Concen: 44.322 ug/l
RT: 10.392 min Scan# 1446
Delta R.T. 0.012 min
Lab File: VN073860.D
Acq: 12 Aug 2022 18:41



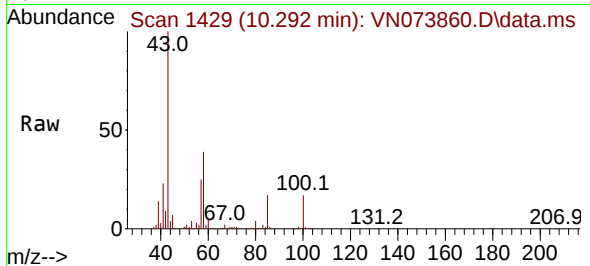
Tgt Ion: 98 Resp: 803273
Ion Ratio Lower Upper
98 100
100 64.2 52.6 78.8





#51
4-Methyl-2-Pentanone
Concen: 14.505 ug/l
RT: 10.292 min Scan# 1429
Delta R.T. 0.017 min
Lab File: VN073860.D
Acq: 12 Aug 2022 18:41

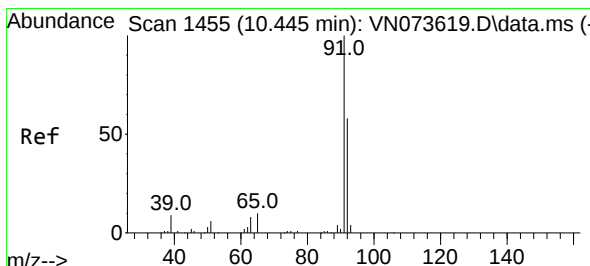
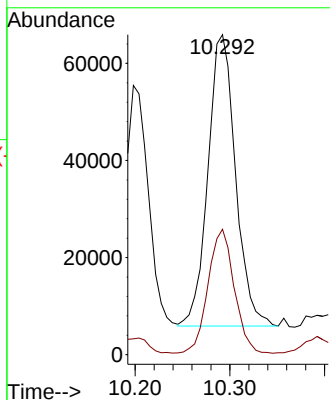
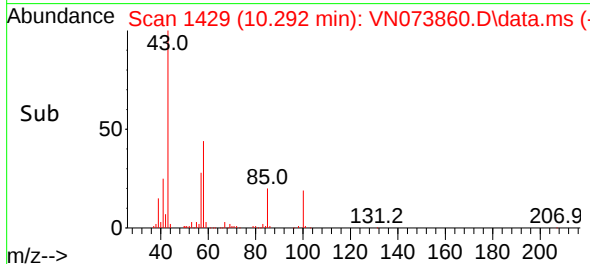
Instrument :
MSVOA_N
ClientSampleId :
FMC-00072



Tgt Ion: 43 Resp: 12147
Ion Ratio Lower Upper
43 100
58 40.9 34.1 51.1

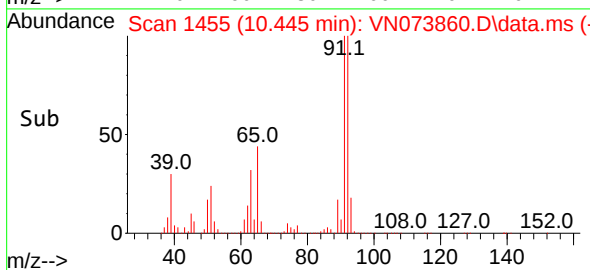
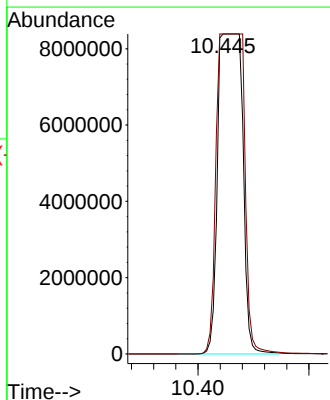
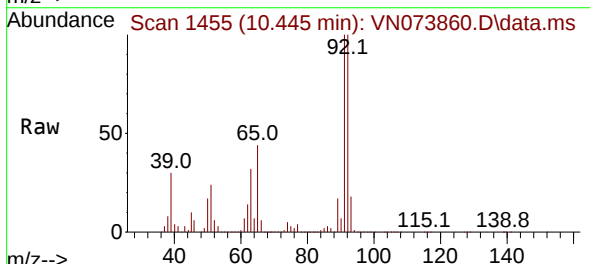
Manual Integrations
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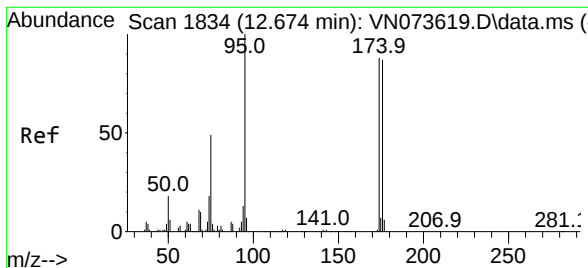
Reviewed By :John Carlone 08/13/2022
Supervised By :Mahesh Dadoda 08/14/2022



#52
Toluene
Concen: 1988.919 ug/l m
RT: 10.445 min Scan# 1455
Delta R.T. -0.000 min
Lab File: VN073860.D
Acq: 12 Aug 2022 18:41

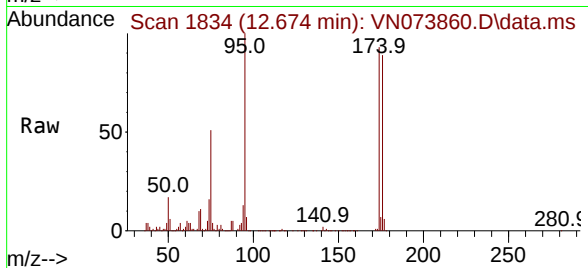
Tgt Ion: 92 Resp:25895318
Ion Ratio Lower Upper
92 100
91 0.0 138.6 207.8#





#62
4-Bromofluorobenzene
Concen: 56.591 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. 0.000 min
Lab File: VN073860.D
Acq: 12 Aug 2022 18:41

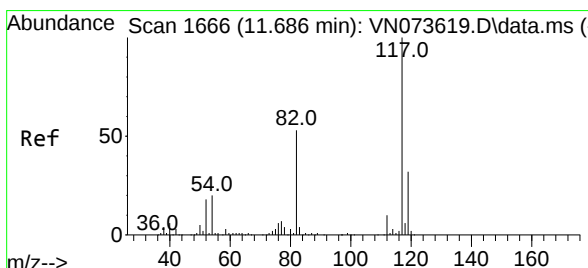
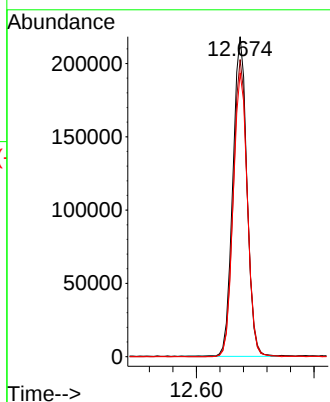
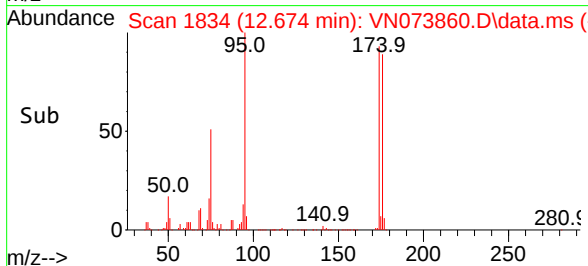
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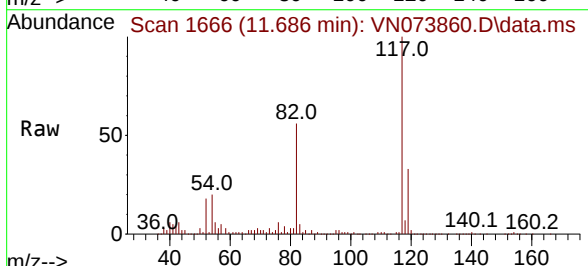
Tgt Ion: 95 Resp: 362485
Ion Ratio Lower Upper
95 100
174 93.0 0.0 167.6
176 89.2 0.0 163.4

Manual Integrations
APPROVED

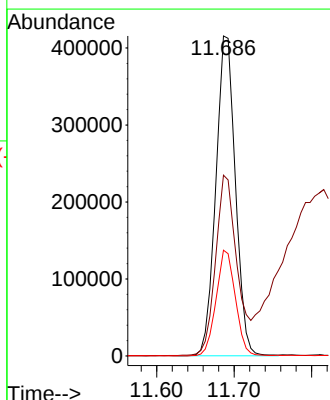
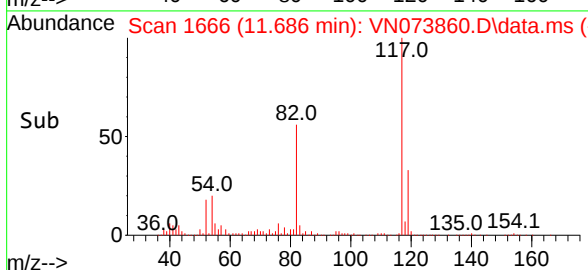
Reviewed By :John Carlone 08/13/2022
Supervised By :Mahesh Dadoda 08/14/2022

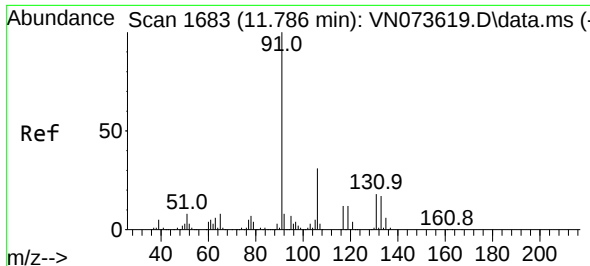


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.686 min Scan# 1666
Delta R.T. -0.000 min
Lab File: VN073860.D
Acq: 12 Aug 2022 18:41



Tgt Ion:117 Resp: 728957
Ion Ratio Lower Upper
117 100
82 56.4 44.2 66.2
119 33.0 25.4 38.0





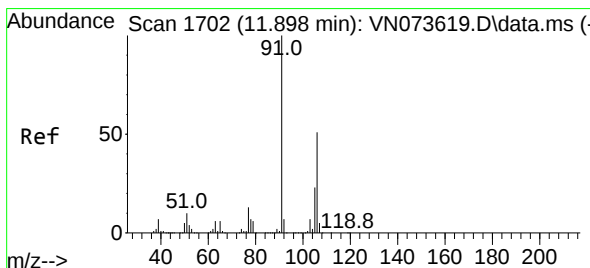
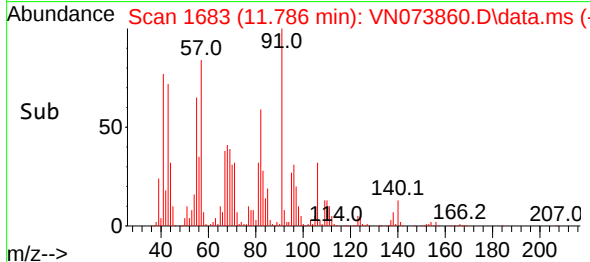
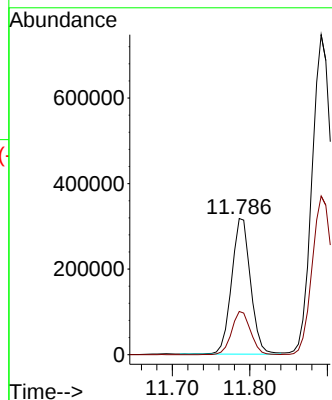
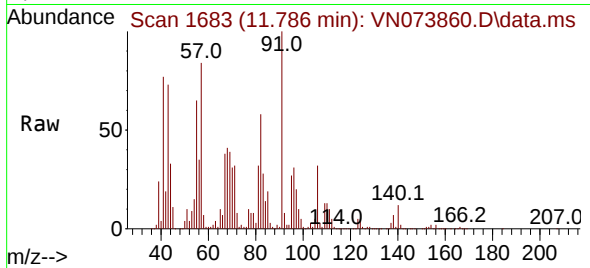
#67
Ethyl Benzene
Concen: 20.685 ug/l
RT: 11.786 min Scan# 1107
Delta R.T. -0.000 min
Lab File: VN073860.D
Acq: 12 Aug 2022 18:41

Instrument :
MSVOA_N
ClientSampleId :
FMC-00072

Tgt Ion: 91 Resp: 54032
Ion Ratio Lower Upper
91 100
106 31.9 24.9 37.3

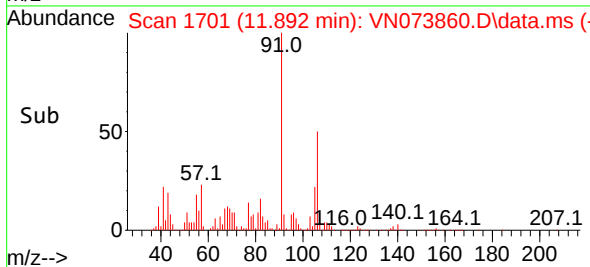
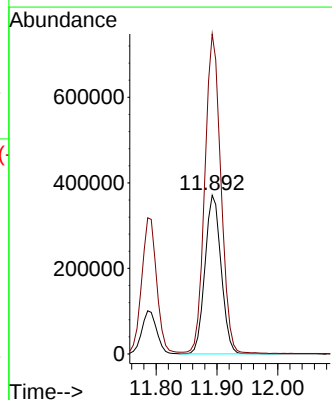
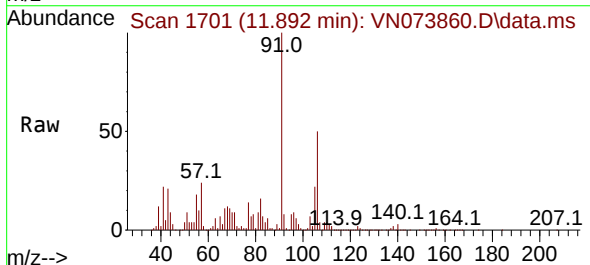
Manual Integrations
APPROVED

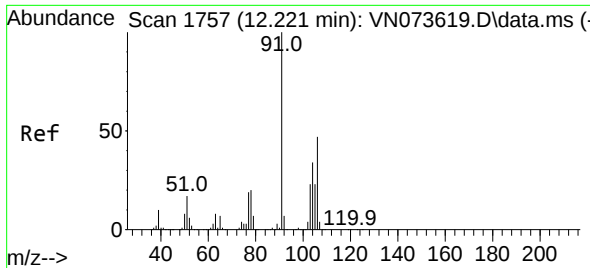
Reviewed By :John Carlone 08/13/2022
Supervised By :Mahesh Dadoda 08/14/2022



#68
m/p-Xylenes
Concen: 68.470 ug/l
RT: 11.892 min Scan# 1701
Delta R.T. -0.006 min
Lab File: VN073860.D
Acq: 12 Aug 2022 18:41

Tgt Ion:106 Resp: 682150
Ion Ratio Lower Upper
106 100
91 200.3 158.9 238.3





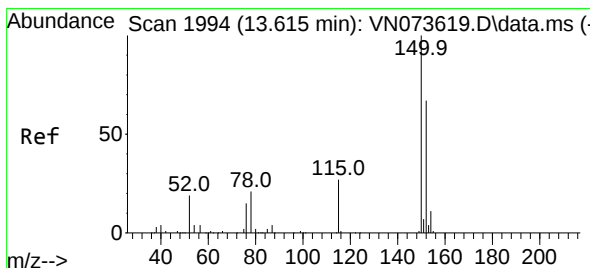
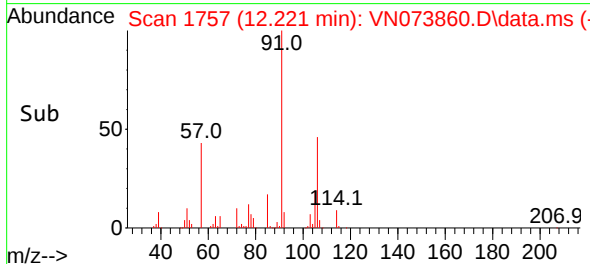
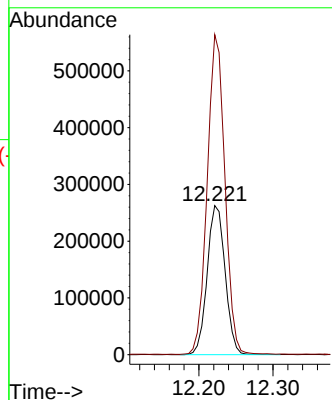
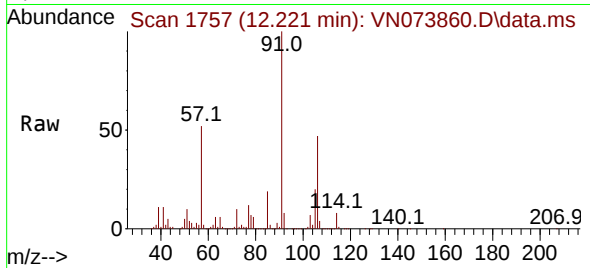
#69
o-Xylene
Concen: 45.627 ug/l
RT: 12.221 min Scan# 1757
Delta R.T. -0.000 min
Lab File: VN073860.D
Acq: 12 Aug 2022 18:41

Instrument :
MSVOA_N
ClientSampleId :
FMC-00072

Tgt Ion:106 Resp: 443178
Ion Ratio Lower Upper
106 100
91 210.5 106.0 318.0

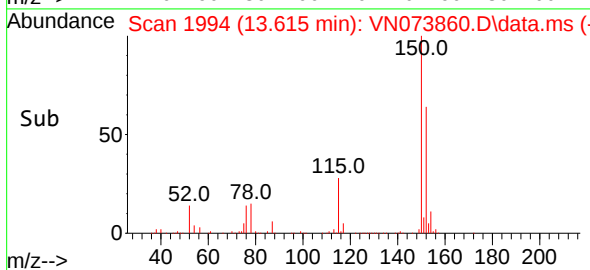
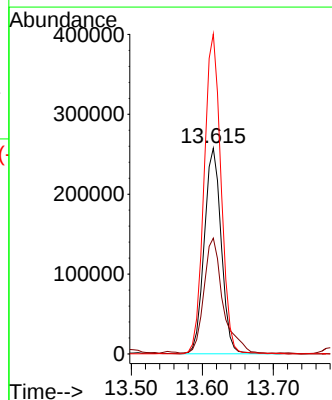
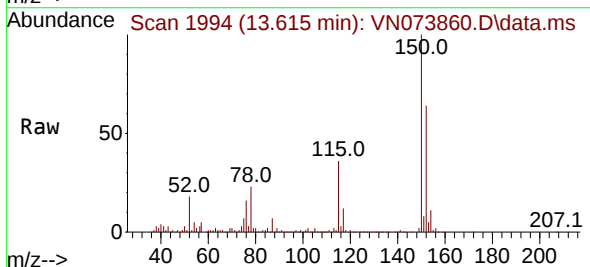
Manual Integrations
APPROVED

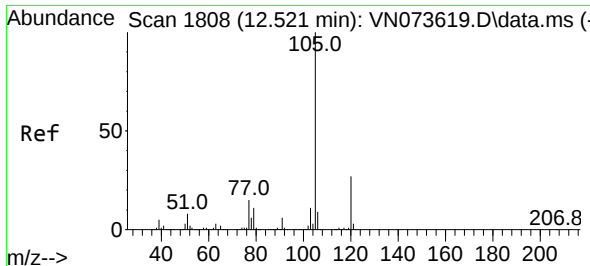
Reviewed By :John Carlone 08/13/2022
Supervised By :Mahesh Dadoda 08/14/2022



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.615 min Scan# 1994
Delta R.T. -0.000 min
Lab File: VN073860.D
Acq: 12 Aug 2022 18:41

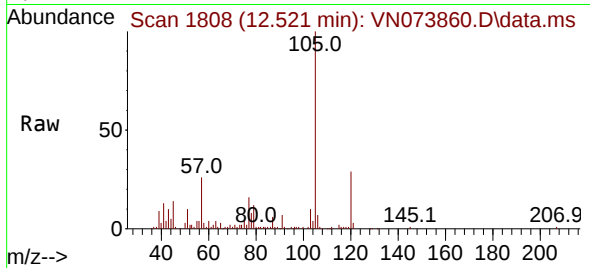
Tgt Ion:152 Resp: 427524
Ion Ratio Lower Upper
152 100
115 62.5 28.9 86.7
150 155.1 0.0 356.2





#73
Isopropylbenzene
Concen: 2.663 ug/l
RT: 12.521 min Scan# 1808
Delta R.T. -0.000 min
Lab File: VN073860.D
Acq: 12 Aug 2022 18:41

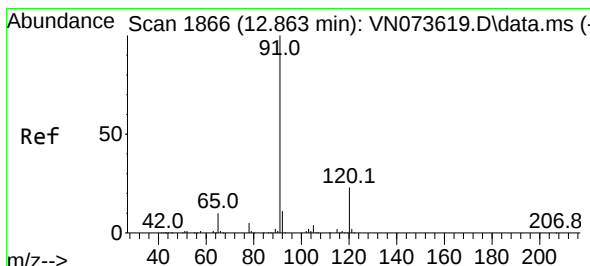
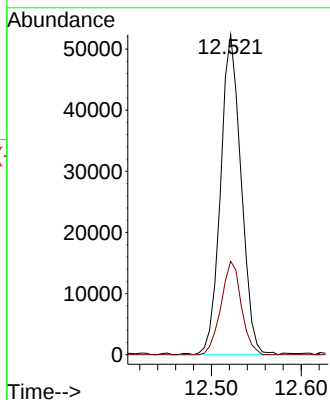
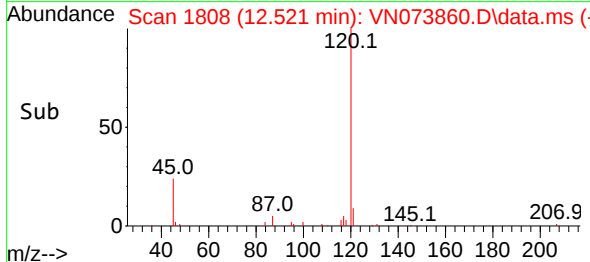
Instrument :
MSVOA_N
ClientSampleId :
FMC-00072



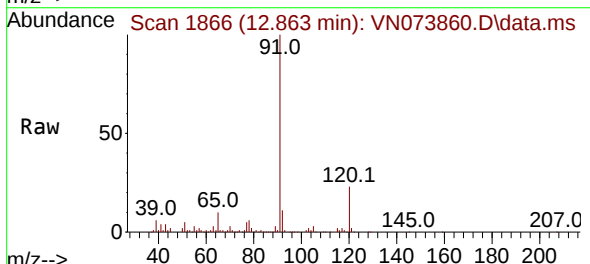
Tgt Ion:105 Resp: 83350
Ion Ratio Lower Upper
105 100
120 28.8 13.5 40.4

Manual Integrations
APPROVED

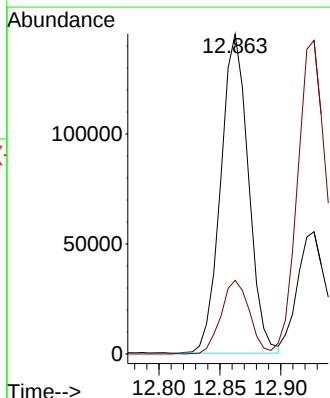
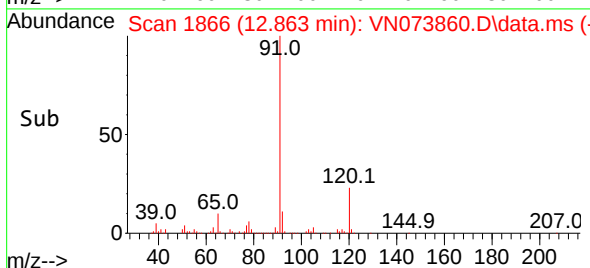
Reviewed By :John Carlone 08/13/2022
Supervised By :Mahesh Dadoda 08/14/2022

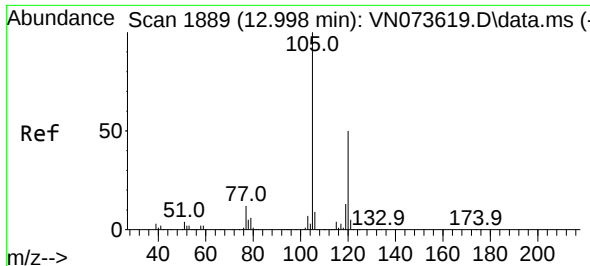


#78
n-propylbenzene
Concen: 6.536 ug/l
RT: 12.863 min Scan# 1866
Delta R.T. -0.000 min
Lab File: VN073860.D
Acq: 12 Aug 2022 18:41



Tgt Ion: 91 Resp: 230152
Ion Ratio Lower Upper
91 100
120 23.5 11.9 35.5





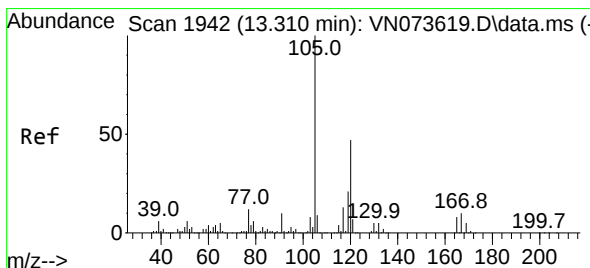
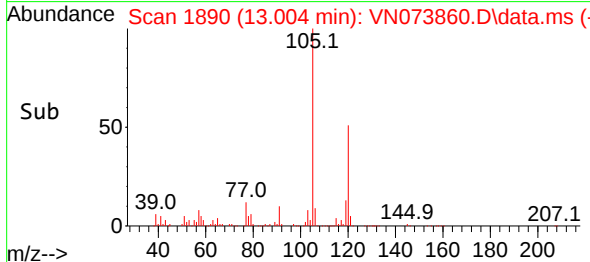
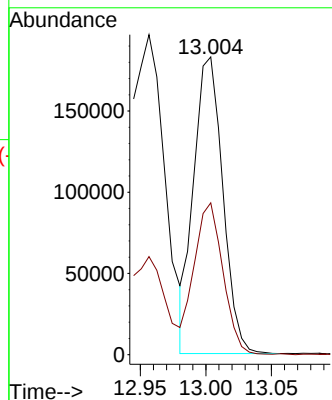
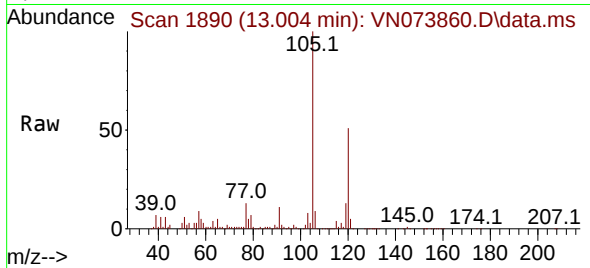
#80
1,3,5-Trimethylbenzene
Concen: 10.956 ug/l
RT: 13.004 min Scan# 1889
Delta R.T. 0.006 min
Lab File: VN073860.D
Acq: 12 Aug 2022 18:41

Instrument :
MSVOA_N
ClientSampleId :
FMC-00072

Tgt Ion:105 Resp: 28217
Ion Ratio Lower Upper
105 100
120 50.9 24.9 74.7

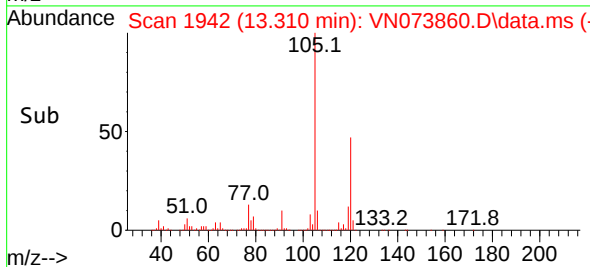
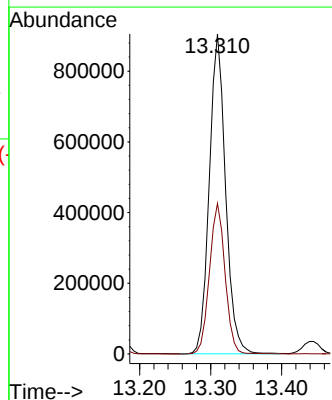
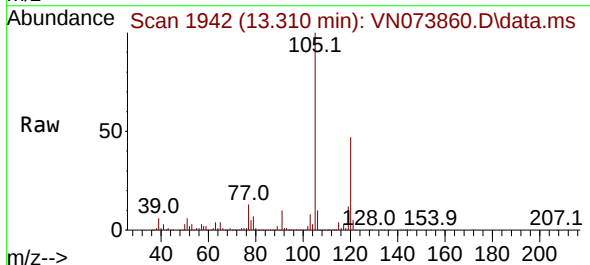
Manual Integrations
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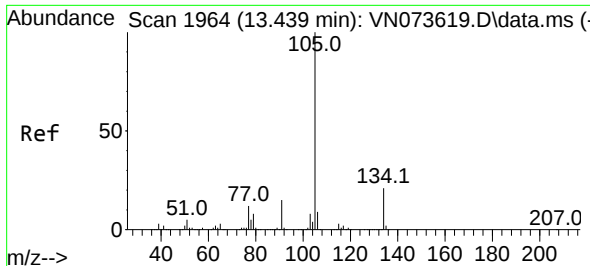
Reviewed By :John Carlone 08/13/2022
Supervised By :Mahesh Dadoda 08/14/2022



#84
1,2,4-Trimethylbenzene
Concen: 56.827 ug/l
RT: 13.310 min Scan# 1942
Delta R.T. -0.000 min
Lab File: VN073860.D
Acq: 12 Aug 2022 18:41

Tgt Ion:105 Resp: 1439107
Ion Ratio Lower Upper
105 100
120 45.2 23.3 69.8





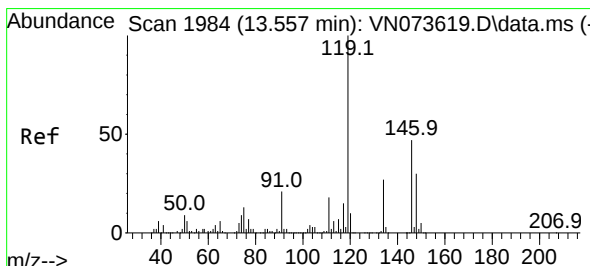
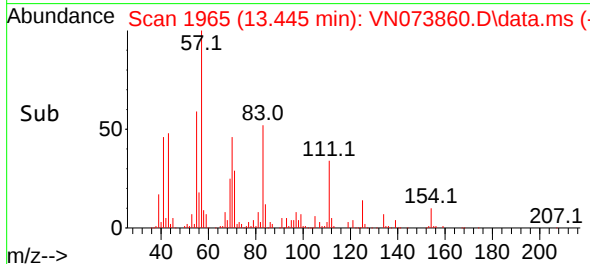
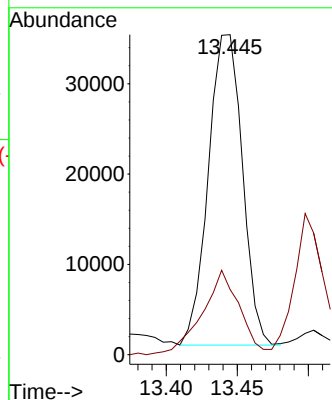
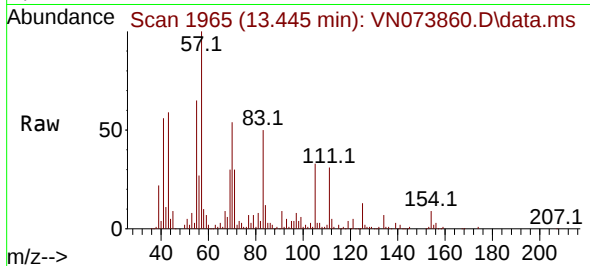
#85
 sec-Butylbenzene
 Concen: 1.821 ug/l
 RT: 13.445 min Scan# 1965
 Delta R.T. 0.006 min
 Lab File: VN073860.D
 Acq: 12 Aug 2022 18:41

Instrument :
 MSVOA_N
 ClientSampleId :
 FMC-00072

Tgt Ion:105 Resp: 57419
 Ion Ratio Lower Upper
 105 100
 134 29.7 10.4 31.1

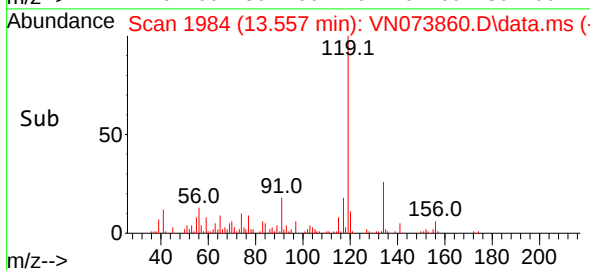
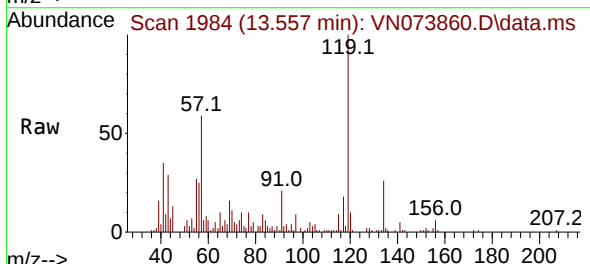
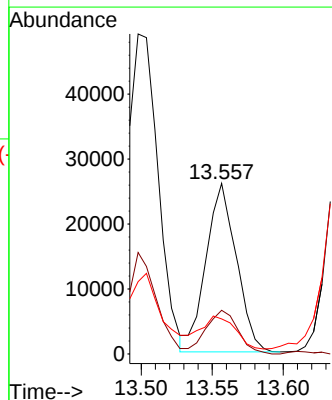
Manual Integrations
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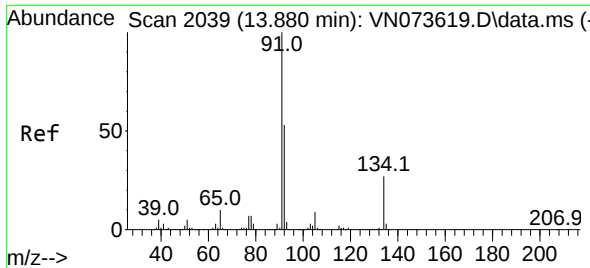
Reviewed By :John Carlone 08/13/2022
 Supervised By :Mahesh Dadoda 08/14/2022



#86
 p-Isopropyltoluene
 Concen: 1.558 ug/l
 RT: 13.557 min Scan# 1984
 Delta R.T. -0.000 min
 Lab File: VN073860.D
 Acq: 12 Aug 2022 18:41

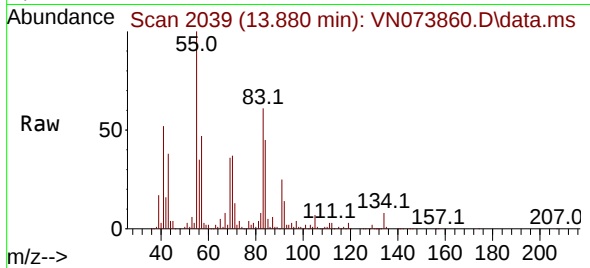
Tgt Ion:119 Resp: 38720
 Ion Ratio Lower Upper
 119 100
 134 27.6 13.3 39.8
 91 21.5 11.3 33.9





#89
n-Butylbenzene
Concen: 2.626 ug/l
RT: 13.880 min Scan# 2039
Delta R.T. -0.000 min
Lab File: VN073860.D
Acq: 12 Aug 2022 18:41

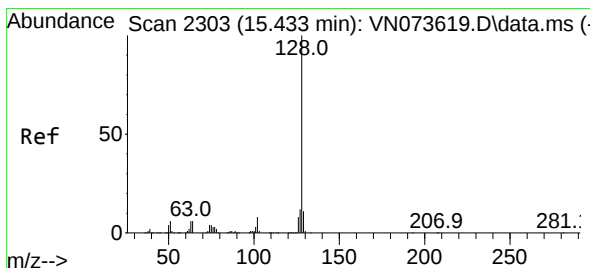
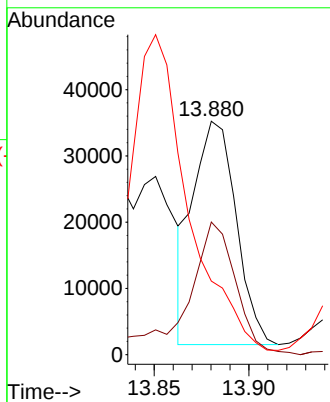
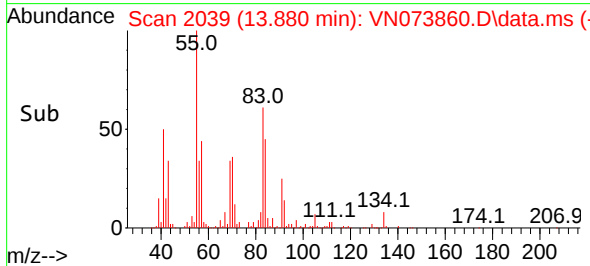
Instrument :
MSVOA_N
ClientSampleId :
FMC-00072



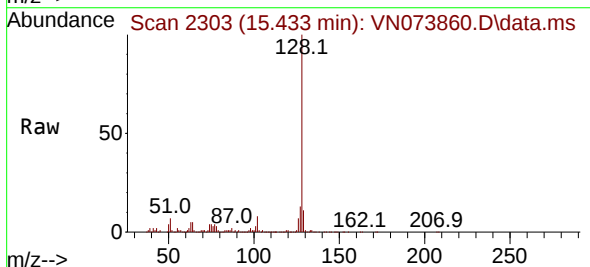
Tgt Ion: 91 Resp: 53110
Ion Ratio Lower Upper
91 100
92 64.4 26.9 80.7
134 0.0 13.6 40.8

Manual Integrations
APPROVED

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



#95
Naphthalene
Concen: 30.298 ug/l
RT: 15.433 min Scan# 2303
Delta R.T. -0.000 min
Lab File: VN073860.D
Acq: 12 Aug 2022 18:41



Tgt Ion:128 Resp: 736015
Ion Ratio Lower Upper
128 100
127 12.8 10.3 15.5
129 11.2 8.6 13.0

