

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081222\
 Data File : VN073859.D
 Acq On : 12 Aug 2022 18:17
 Operator : JC\MD
 Sample : N4156-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 FMC-0071

Quant Time: Aug 13 05:04:23 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

Manual Integrations APPROVED

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

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

Internal Standards						
1) Pentafluorobenzene	8.110	168	435148	50.000	ug/l	0.09
34) 1,4-Difluorobenzene	8.969	114	709047	50.000	ug/l	0.06
63) Chlorobenzene-d5	11.698	117	681424	50.000	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.615	152	409526	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.457	65	239907	45.240	ug/l	0.09
Spiked Amount 50.000	Range 74 - 125		Recovery = 90.480%			
35) Dibromofluoromethane	8.057	113	223452	50.187	ug/l	0.11
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.380%			
50) Toluene-d8	10.416	98	746840	42.626	ug/l	0.04
Spiked Amount 50.000	Range 86 - 113		Recovery = 85.260%#			
62) 4-Bromofluorobenzene	12.680	95	332547	53.844	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 107.680%			
Target Compounds					Qvalue	
16) Acetone	4.404	43	1013837	355.947	ug/l	98
20) Methylene Chloride	5.104	84	84233	16.818	ug/l	96
37) Ethyl Acetate	7.463	43	70012	8.378	ug/l #	94
40) Benzene	8.475	78	21007	1.019	ug/l #	88
43) Isopropyl Acetate	8.581	43	290002	25.692	ug/l #	84
52) Toluene	10.469	92	22747378m	1807.271	ug/l	
67) Ethyl Benzene	11.798	91	365785	14.980	ug/l	100
68) m/p-Xylenes	11.904	106	498469	53.523	ug/l	99
69) o-Xylene	12.233	106	351008	38.659	ug/l	99
73) Isopropylbenzene	12.527	105	65008	2.168	ug/l	97
78) n-propylbenzene	12.868	91	180115	5.340	ug/l	99
80) 1,3,5-Trimethylbenzene	13.004	105	230756	9.354	ug/l	94
84) 1,2,4-Trimethylbenzene	13.316	105	1223074	50.419	ug/l	98
85) sec-Butylbenzene	13.445	105	47710	1.580	ug/l	80
86) p-Isopropyltoluene	13.557	119	31763	1.334	ug/l	95
89) n-Butylbenzene	13.886	91	43244	2.232	ug/l #	78
95) Naphthalene	15.439	128	669564	28.774	ug/l	99

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

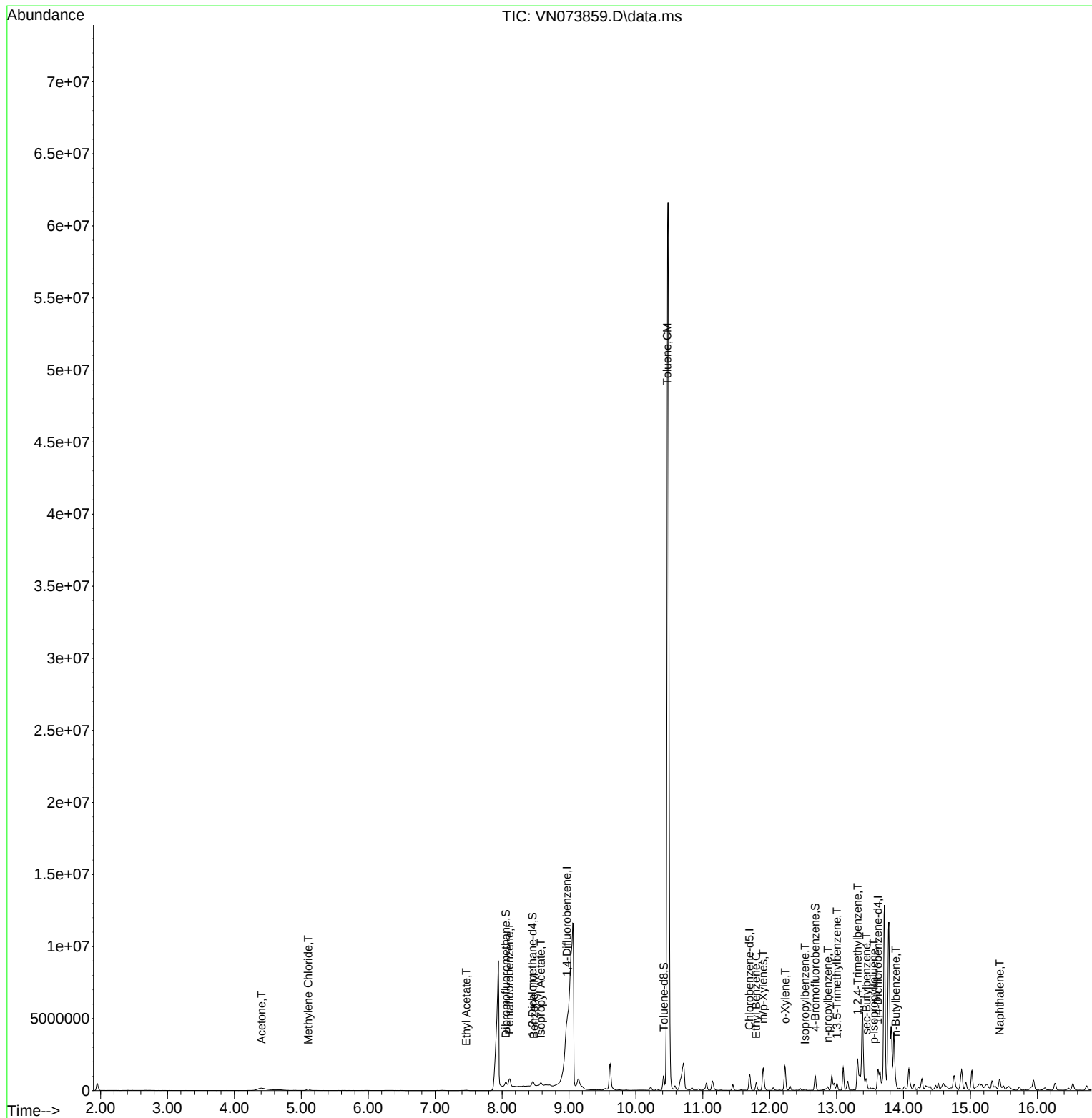
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081222\
Data File : VN073859.D
Acq On : 12 Aug 2022 18:17
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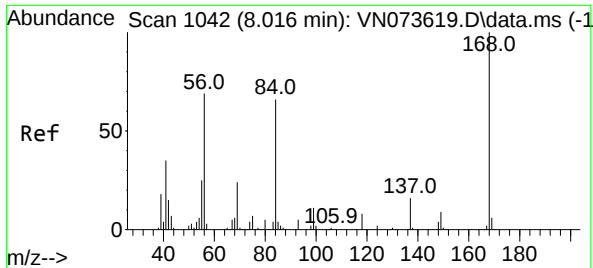
Instrument :
MSVOA_N
ClientSampleId :
FMC-0071

Quant Time: Aug 13 05:04:23 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N072822W.M
Quant Title : SW846 8260
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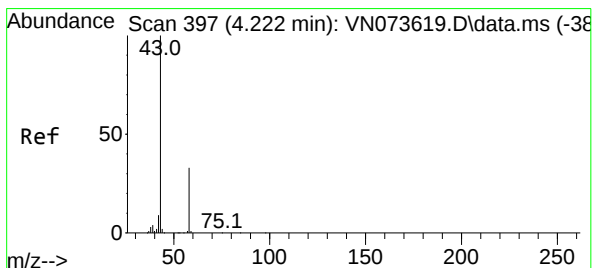
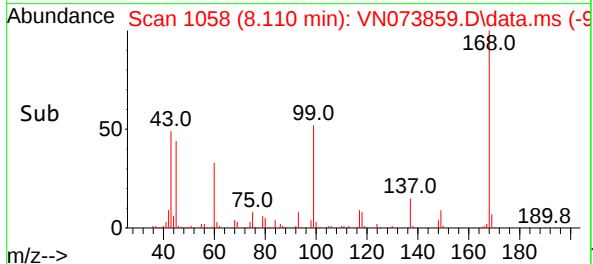
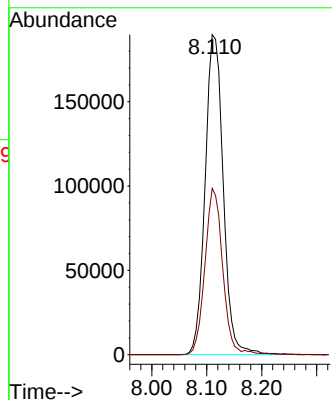
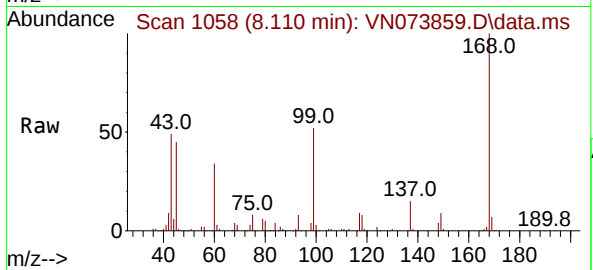
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.110 min Scan# 1058
Delta R.T. 0.094 min
Lab File: VN073859.D
Acq: 12 Aug 2022 18:17

Instrument :
MSVOA_N
ClientSampleId :
FMC-0071

Tgt Ion:168 Resp: 435148
Ion Ratio Lower Upper
168 100
99 51.9 42.3 63.5

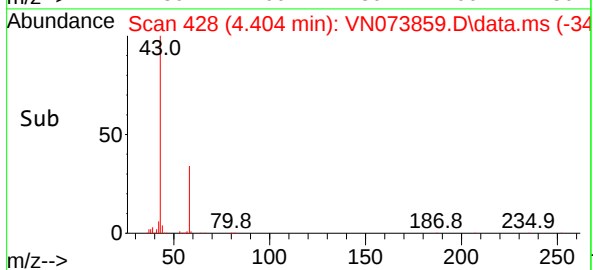
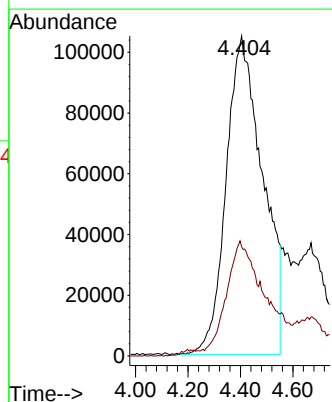
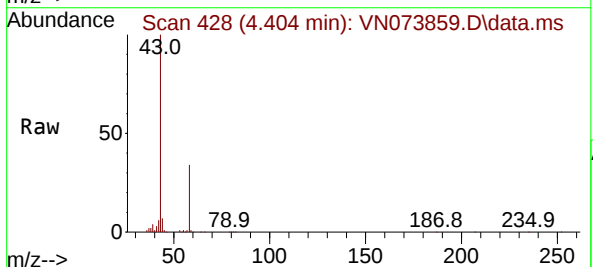
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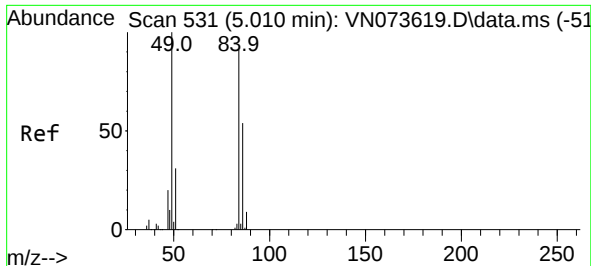
Reviewed By :John Carlone 08/13/2022
Supervised By :Mahesh Dadoda 08/14/2022



#16
Acetone
Concen: 355.947 ug/l
RT: 4.404 min Scan# 428
Delta R.T. 0.182 min
Lab File: VN073859.D
Acq: 12 Aug 2022 18:17

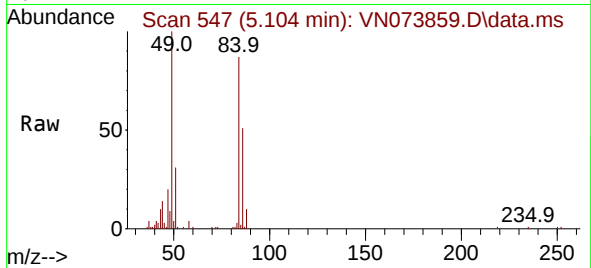
Tgt Ion: 43 Resp: 1013837
Ion Ratio Lower Upper
43 100
58 33.6 26.0 39.0





#20
Methylene Chloride
Concen: 16.818 ug/l
RT: 5.104 min Scan# 547
Delta R.T. 0.094 min
Lab File: VN073859.D
Acq: 12 Aug 2022 18:17

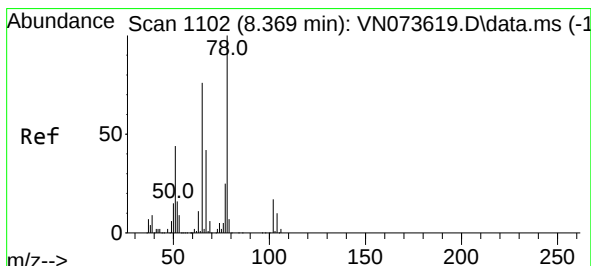
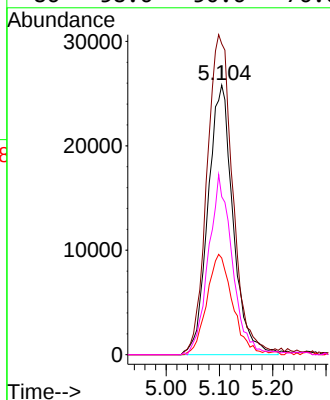
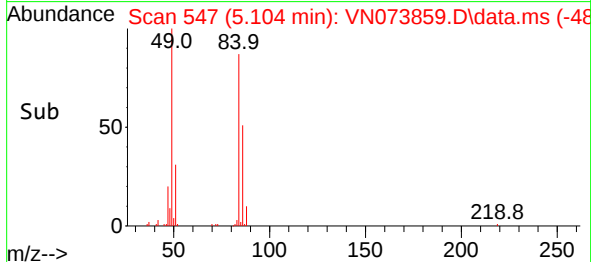
Instrument :
MSVOA_N
ClientSampleId :
FMC-0071



Tgt Ion: 84 Resp: 8423
Ion Ratio Lower Upper
84 100
49 115.3 88.3 132.5
51 35.8 28.2 42.2
86 58.6 50.6 76.0

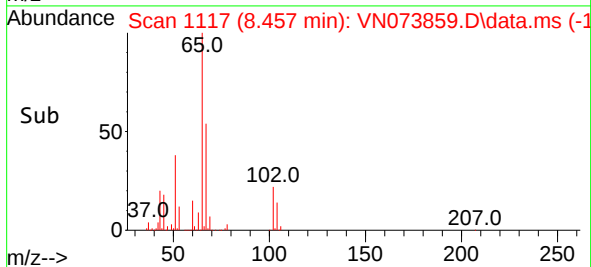
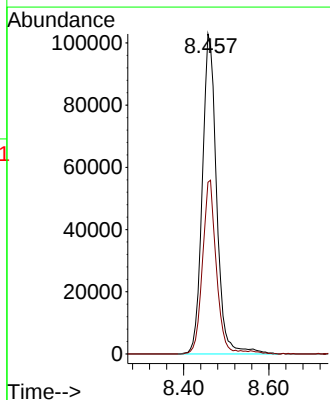
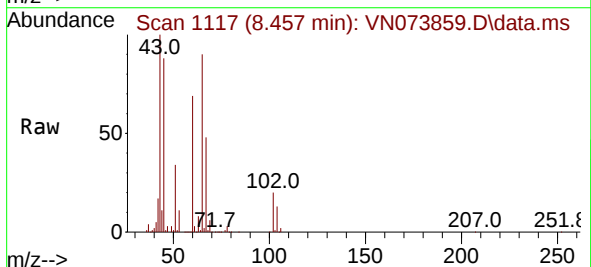
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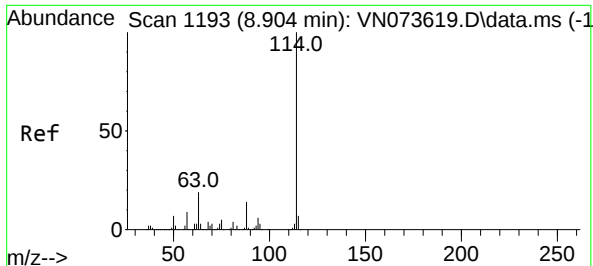
Reviewed By :John Carlone 08/13/2022
Supervised By :Mahesh Dadoda 08/14/2022



#33
1,2-Dichloroethane-d4
Concen: 45.240 ug/l
RT: 8.457 min Scan# 1117
Delta R.T. 0.088 min
Lab File: VN073859.D
Acq: 12 Aug 2022 18:17

Tgt Ion: 65 Resp: 239907
Ion Ratio Lower Upper
65 100
67 52.4 0.0 104.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.969 min Scan# 1193

Delta R.T. 0.065 min

Lab File: VN073859.D

Acq: 12 Aug 2022 18:17

Instrument :

MSVOA_N

ClientSampleId :

FMC-0071

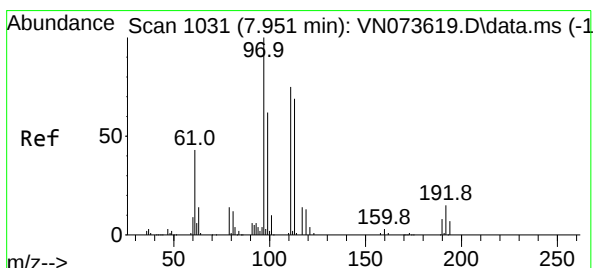
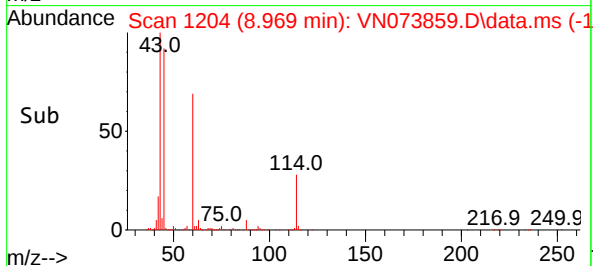
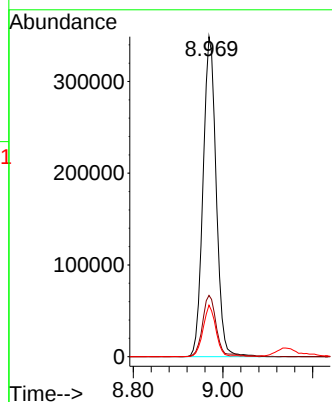
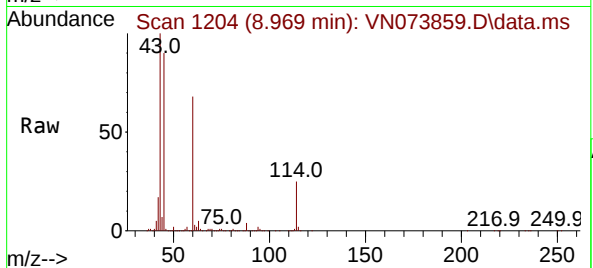
Tgt Ion:114	Resp:	70904
Ion Ratio	Lower	Upper
114	100	
63	19.1	0.0 40.0
88	16.1	0.0 32.6

Manual Integrations

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#35

Dibromofluoromethane

Concen: 50.187 ug/l

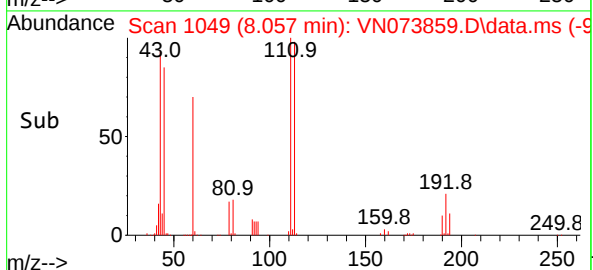
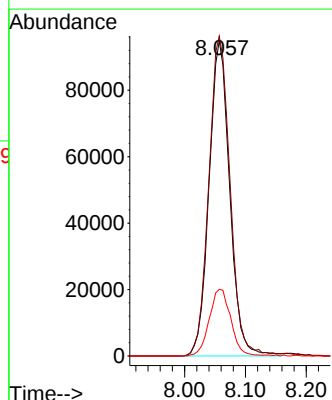
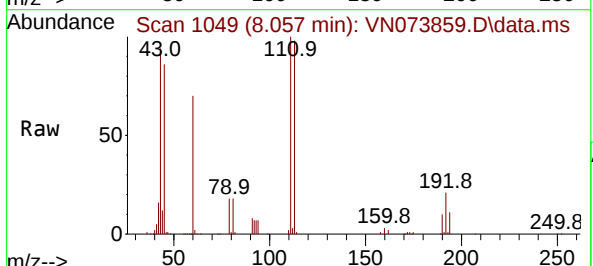
RT: 8.057 min Scan# 1049

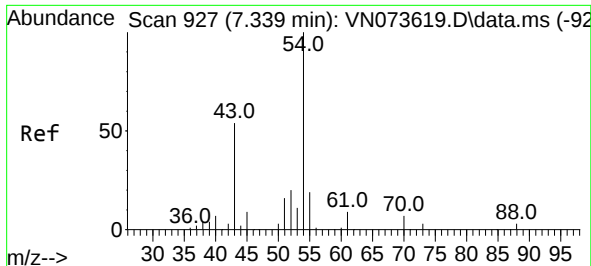
Delta R.T. 0.106 min

Lab File: VN073859.D

Acq: 12 Aug 2022 18:17

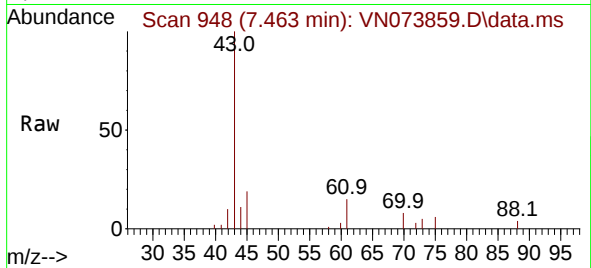
Tgt Ion:113	Resp:	223452
Ion Ratio	Lower	Upper
113	100	
111	104.5	81.4 122.0
192	22.2	17.0 25.6





#37
Ethyl Acetate
Concen: 8.378 ug/l
RT: 7.463 min Scan# 94
Delta R.T. 0.124 min
Lab File: VN073859.D
Acq: 12 Aug 2022 18:17

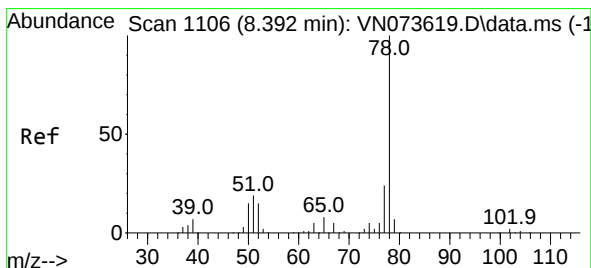
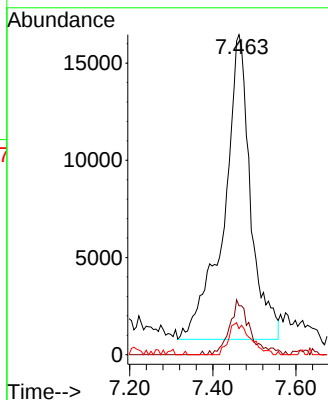
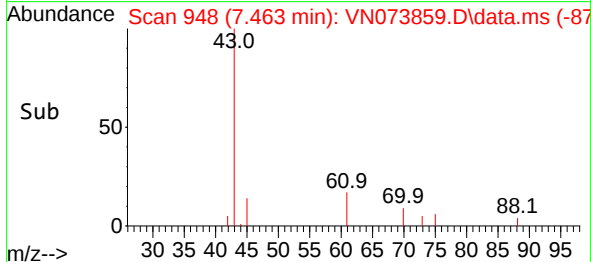
Instrument :
MSVOA_N
ClientSampleId :
FMC-0071



Tgt Ion: 43 Resp: 7001
Ion Ratio Lower Upper
43 100
61 13.2 11.8 17.6
70 8.4 9.3 13.9

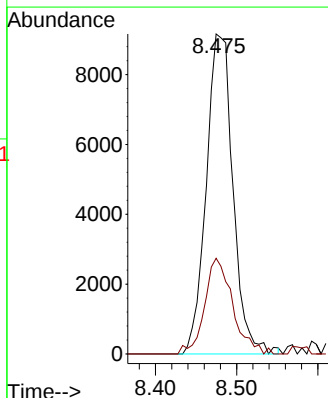
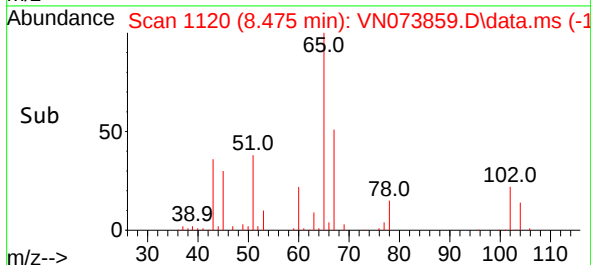
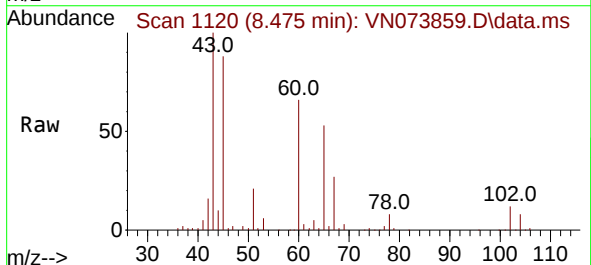
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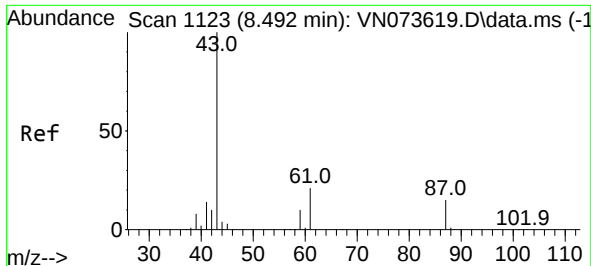
Reviewed By :John Carlone 08/13/2022
Supervised By :Mahesh Dadoda 08/14/2022



#40
Benzene
Concen: 1.019 ug/l
RT: 8.475 min Scan# 1120
Delta R.T. 0.082 min
Lab File: VN073859.D
Acq: 12 Aug 2022 18:17

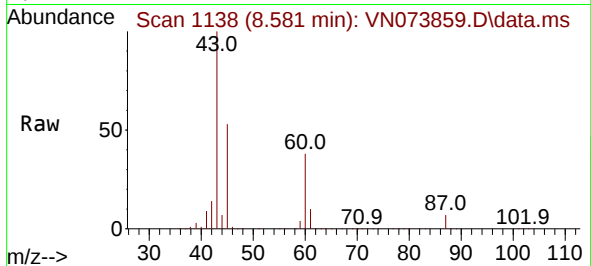
Tgt Ion: 78 Resp: 21007
Ion Ratio Lower Upper
78 100
77 29.9 19.4 29.0#





#43
Isopropyl Acetate
Concen: 25.692 ug/l
RT: 8.581 min Scan# 1123
Delta R.T. 0.088 min
Lab File: VN073859.D
Acq: 12 Aug 2022 18:17

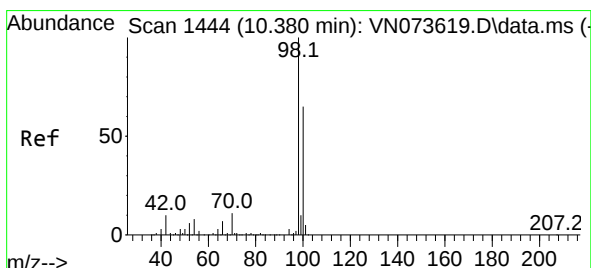
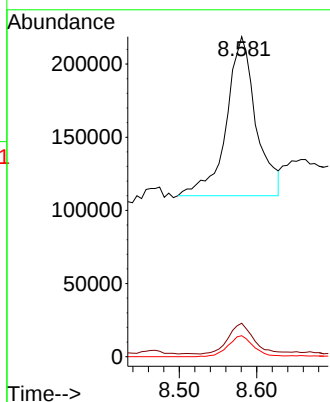
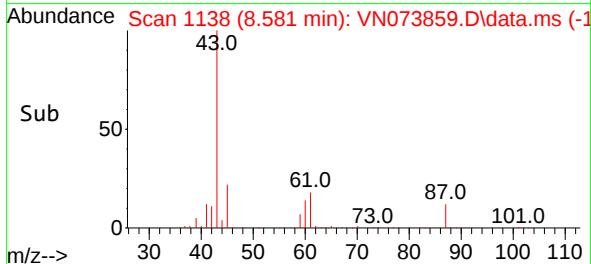
Instrument :
MSVOA_N
ClientSampleId :
FMC-0071



Tgt Ion: 43 Resp: 290000
Ion Ratio Lower Upper
43 100
61 17.0 21.9 32.9
87 11.3 12.0 18.0

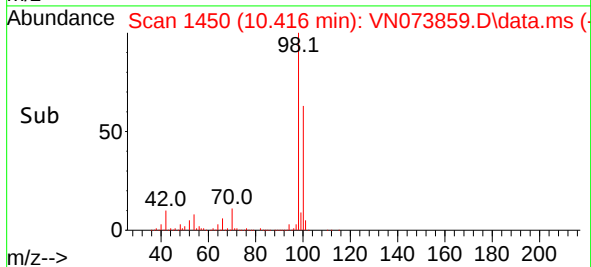
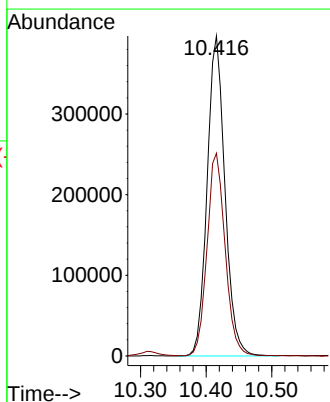
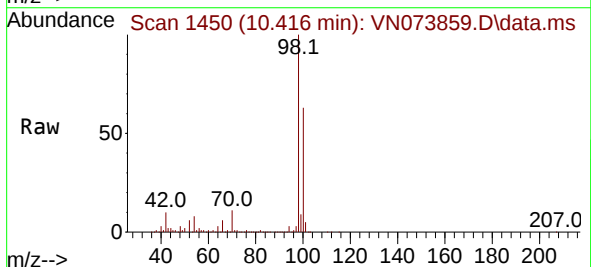
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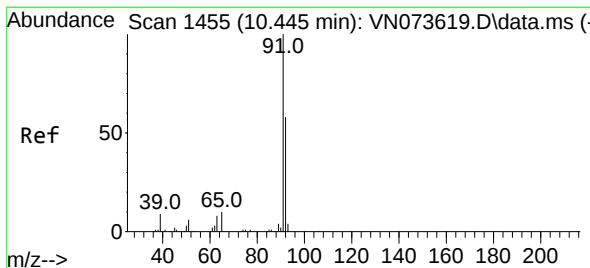
Reviewed By :John Carlone 08/13/2022
Supervised By :Mahesh Dadoda 08/14/2022



#50
Toluene-d8
Concen: 42.626 ug/l
RT: 10.416 min Scan# 1450
Delta R.T. 0.035 min
Lab File: VN073859.D
Acq: 12 Aug 2022 18:17

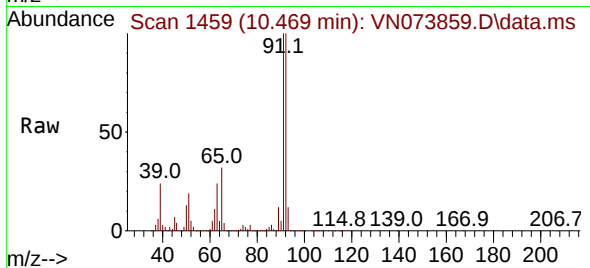
Tgt Ion: 98 Resp: 746840
Ion Ratio Lower Upper
98 100
100 64.3 52.6 78.8





#52
Toluene
Concen: 1807.271 ug/l m
RT: 10.469 min Scan# 1459
Delta R.T. 0.024 min
Lab File: VN073859.D
Acq: 12 Aug 2022 18:17

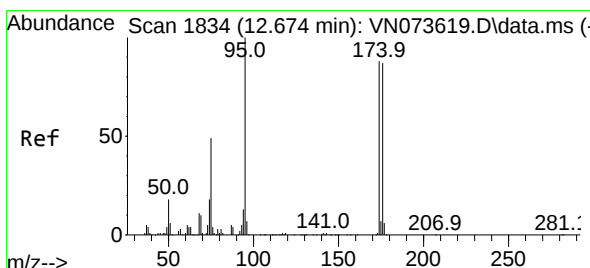
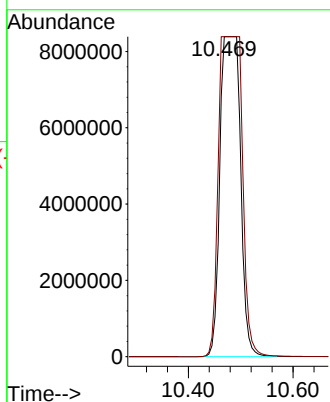
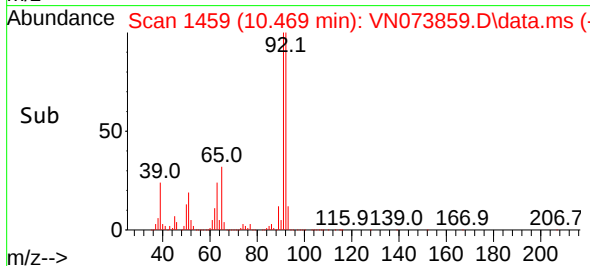
Instrument :
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FMC-0071



Tgt Ion: 92 Resp: 22747378
Ion Ratio Lower Upper
92 100
91 0.0 138.6 207.8

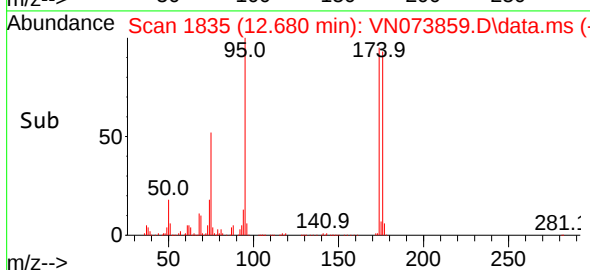
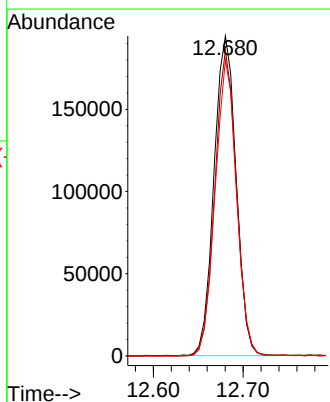
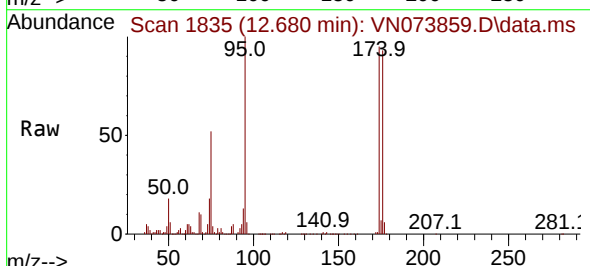
Manual Integrations
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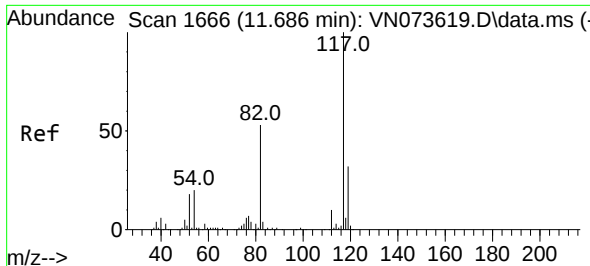
Reviewed By :John Carlone 08/13/2022
Supervised By :Mahesh Dadoda 08/14/2022



#62
4-Bromofluorobenzene
Concen: 53.844 ug/l
RT: 12.680 min Scan# 1835
Delta R.T. 0.006 min
Lab File: VN073859.D
Acq: 12 Aug 2022 18:17

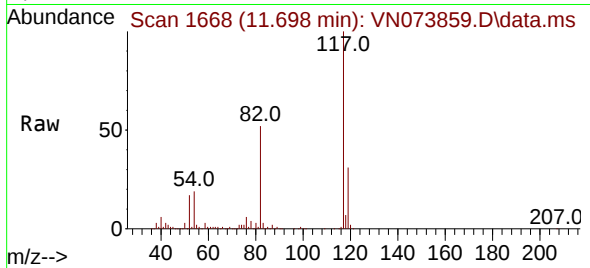
Tgt Ion: 95 Resp: 332547
Ion Ratio Lower Upper
95 100
174 93.3 0.0 167.6
176 89.3 0.0 163.4





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.698 min Scan# 1666
Delta R.T. 0.012 min
Lab File: VN073859.D
Acq: 12 Aug 2022 18:17

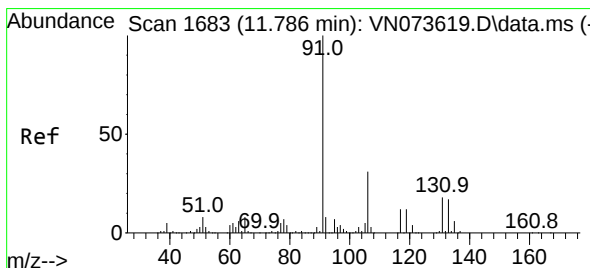
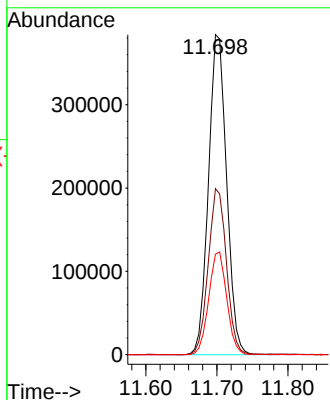
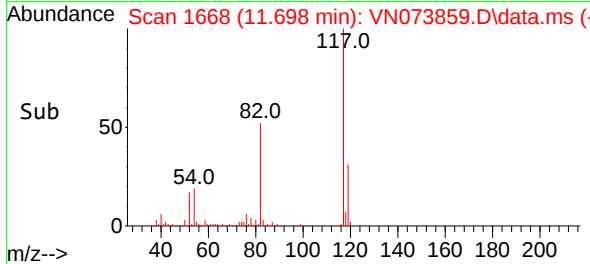
Instrument :
MSVOA_N
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FMC-0071



Tgt Ion: 117 Resp: 681424
Ion Ratio Lower Upper
117 100
82 51.9 44.2 66.2
119 31.4 25.4 38.0

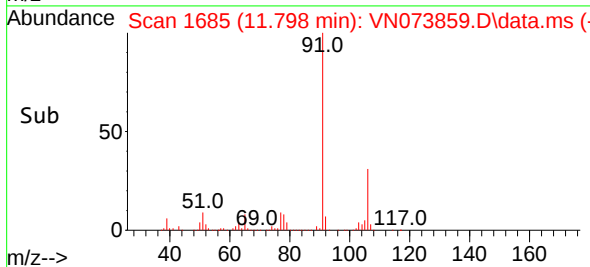
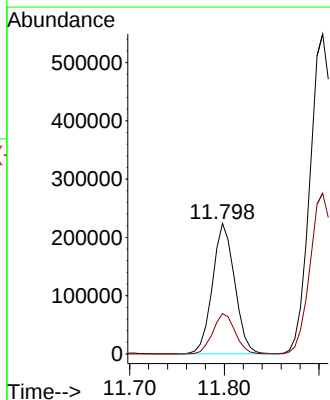
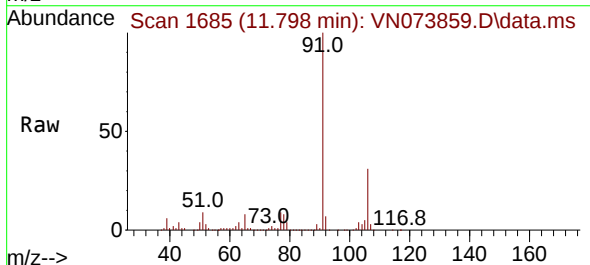
Manual Integrations
APPROVED

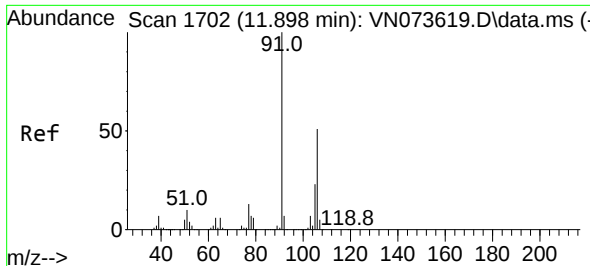
Reviewed By :John Carlone 08/13/2022
Supervised By :Mahesh Dadoda 08/14/2022



#67
Ethyl Benzene
Concen: 14.980 ug/l
RT: 11.798 min Scan# 1685
Delta R.T. 0.012 min
Lab File: VN073859.D
Acq: 12 Aug 2022 18:17

Tgt Ion: 91 Resp: 365785
Ion Ratio Lower Upper
91 100
106 30.9 24.9 37.3





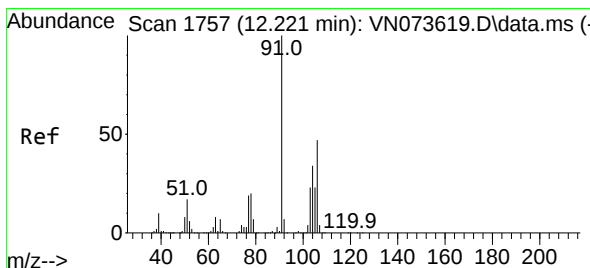
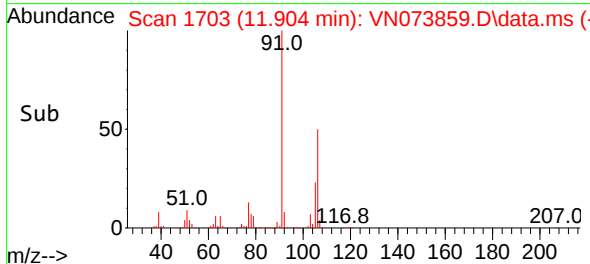
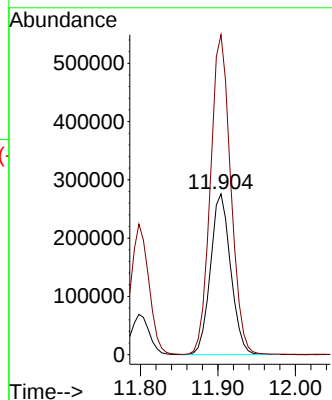
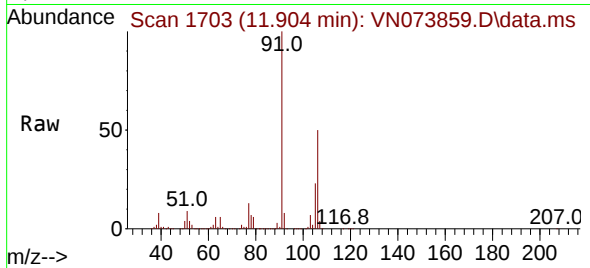
#68
m/p-Xylenes
Concen: 53.523 ug/l
RT: 11.904 min Scan# 1703
Delta R.T. 0.006 min
Lab File: VN073859.D
Acq: 12 Aug 2022 18:17

Instrument :
MSVOA_N
ClientSampleId :
FMC-0071

Tgt Ion:106 Resp: 498469
Ion Ratio Lower Upper
106 100
91 200.0 158.9 238.3

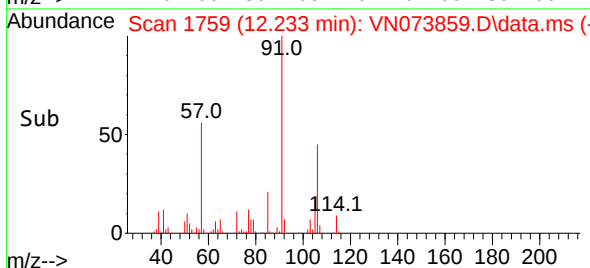
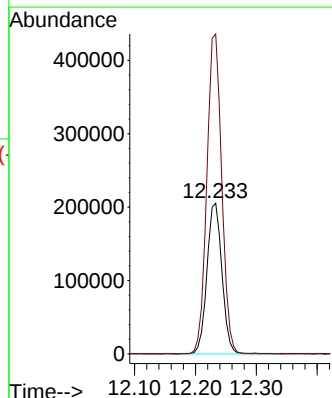
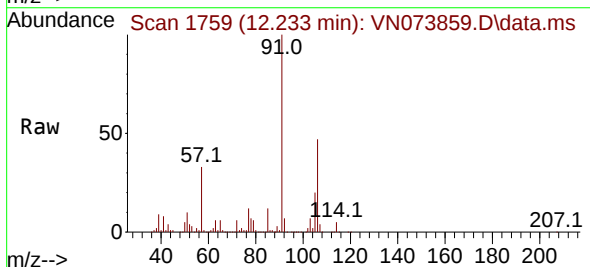
Manual Integrations
APPROVED

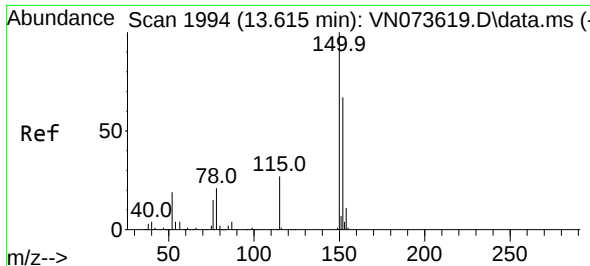
Reviewed By :John Carlone 08/13/2022
Supervised By :Mahesh Dadoda 08/14/2022



#69
o-Xylene
Concen: 38.659 ug/l
RT: 12.233 min Scan# 1759
Delta R.T. 0.012 min
Lab File: VN073859.D
Acq: 12 Aug 2022 18:17

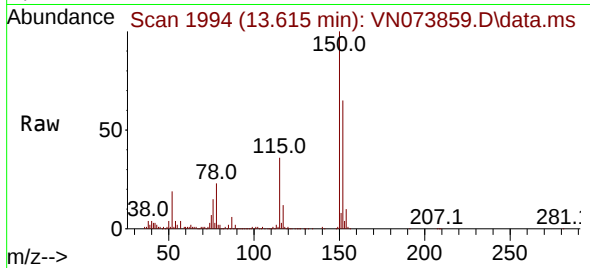
Tgt Ion:106 Resp: 351008
Ion Ratio Lower Upper
106 100
91 210.7 106.0 318.0





#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.615 min Scan# 1994
Delta R.T. 0.000 min
Lab File: VN073859.D
Acq: 12 Aug 2022 18:17

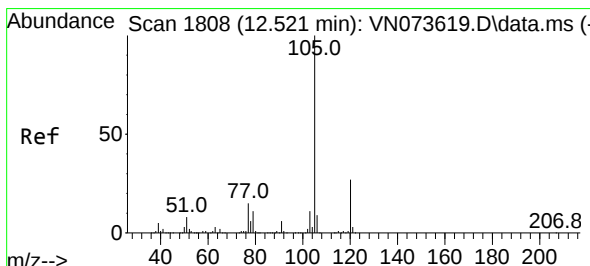
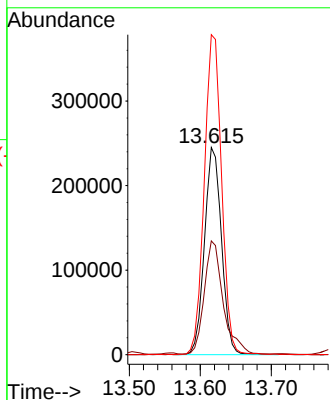
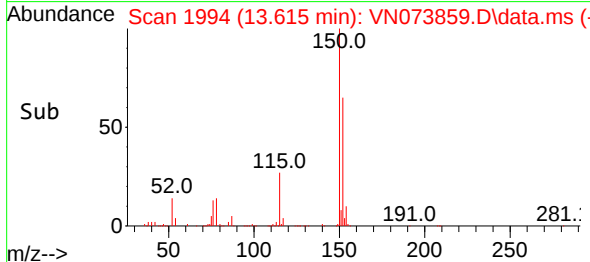
Instrument :
MSVOA_N
ClientSampleId :
FMC-0071



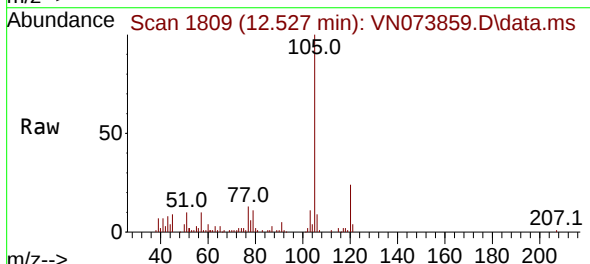
Tgt Ion:152 Resp: 409520
Ion Ratio Lower Upper
152 100
115 60.4 28.9 86.7
150 157.0 0.0 356.2

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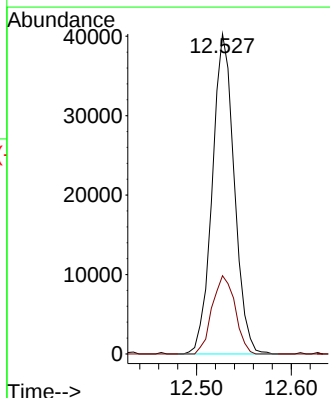
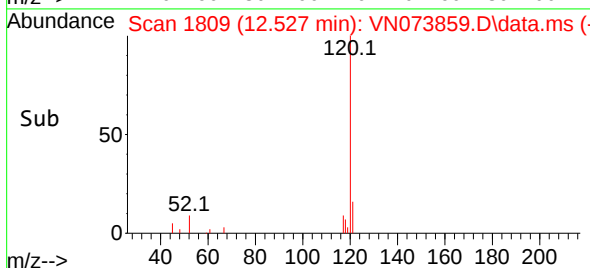
Reviewed By :John Carlone 08/13/2022
Supervised By :Mahesh Dadoda 08/14/2022

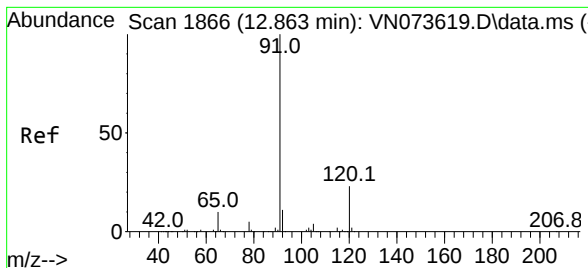


#73
Isopropylbenzene
Concen: 2.168 ug/l
RT: 12.527 min Scan# 1809
Delta R.T. 0.006 min
Lab File: VN073859.D
Acq: 12 Aug 2022 18:17



Tgt Ion:105 Resp: 65008
Ion Ratio Lower Upper
105 100
120 25.5 13.5 40.4





#78

n-propylbenzene

Concen: 5.340 ug/l

RT: 12.868 min Scan# 1866

Delta R.T. 0.006 min

Lab File: VN073859.D

Acq: 12 Aug 2022 18:17

Instrument :

MSVOA_N

ClientSampleId :

FMC-0071

Tgt Ion: 91 Resp: 18011

Ion Ratio Lower Upper

91 100

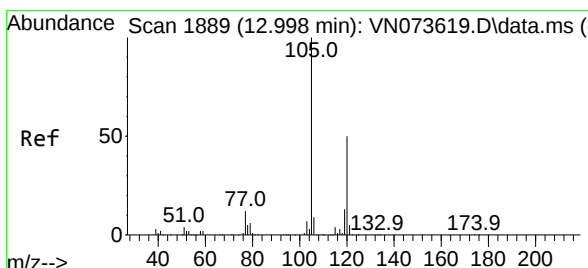
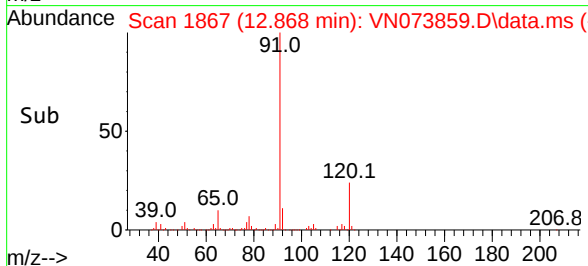
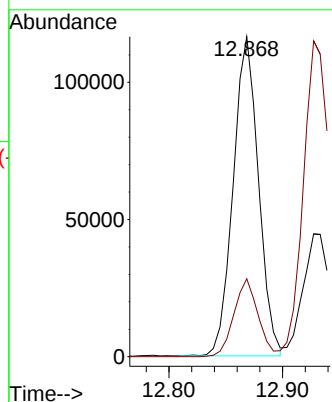
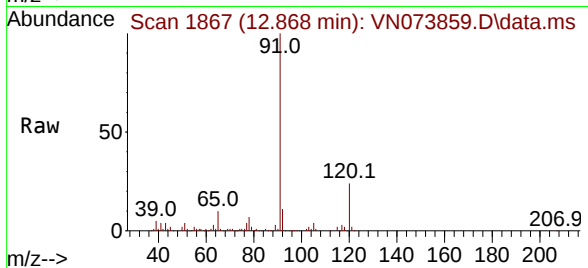
120 23.0 11.9 35.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 08/13/2022

Supervised By :Mahesh Dadoda 08/14/2022



#80

1,3,5-Trimethylbenzene

Concen: 9.354 ug/l

RT: 13.004 min Scan# 1890

Delta R.T. 0.006 min

Lab File: VN073859.D

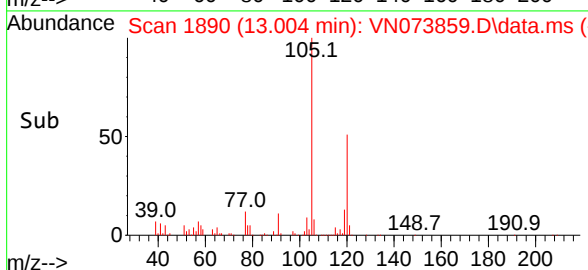
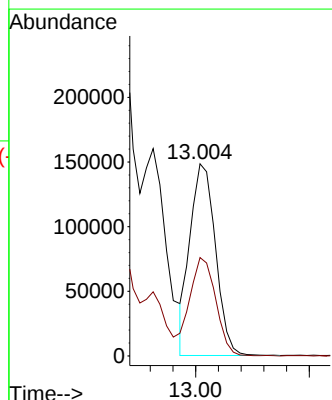
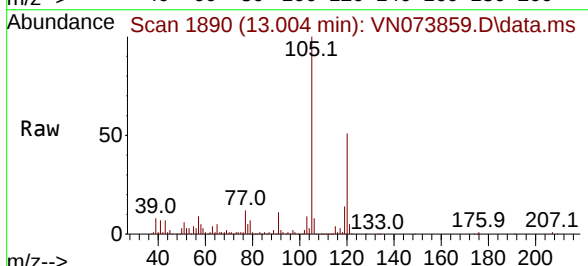
Acq: 12 Aug 2022 18:17

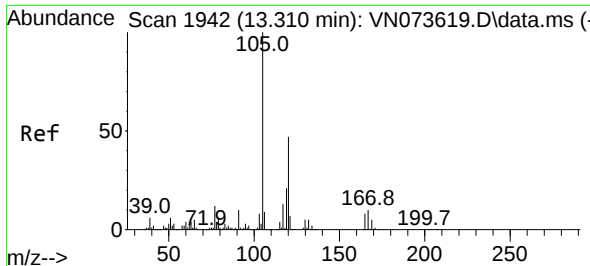
Tgt Ion:105 Resp: 230756

Ion Ratio Lower Upper

105 100

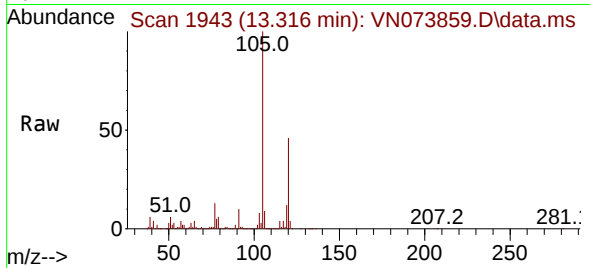
120 54.0 24.9 74.7





#84
1,2,4-Trimethylbenzene
Concen: 50.419 ug/l
RT: 13.316 min Scan# 1942
Delta R.T. 0.006 min
Lab File: VN073859.D
Acq: 12 Aug 2022 18:17

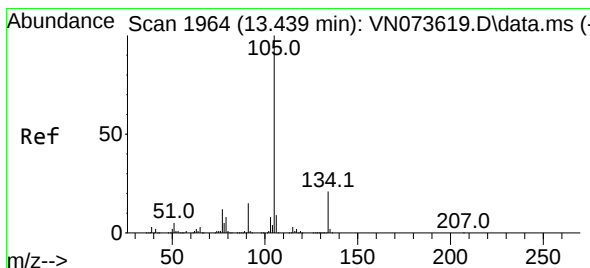
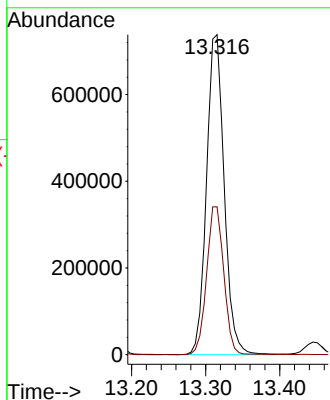
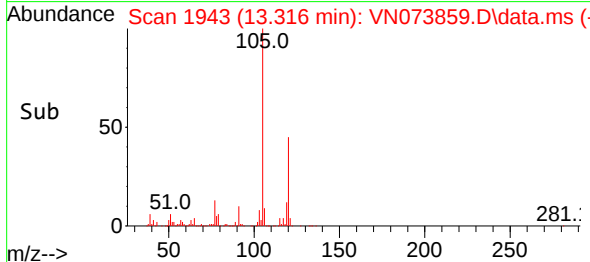
Instrument :
MSVOA_N
ClientSampleId :
FMC-0071



Tgt Ion:105 Resp: 1223074
Ion Ratio Lower Upper
105 100
120 45.1 23.3 69.8

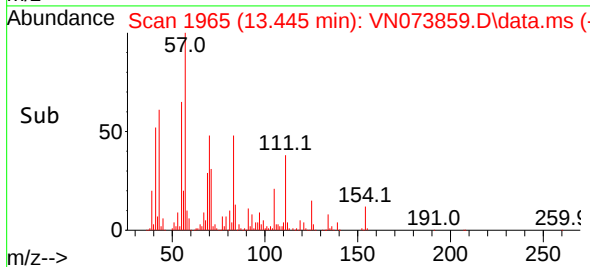
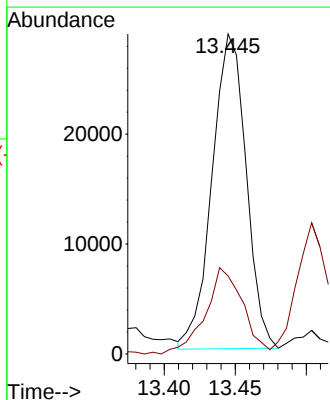
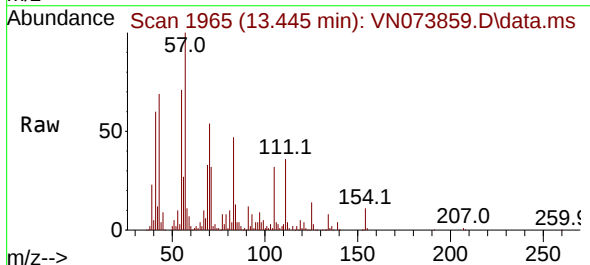
Manual Integrations
APPROVED

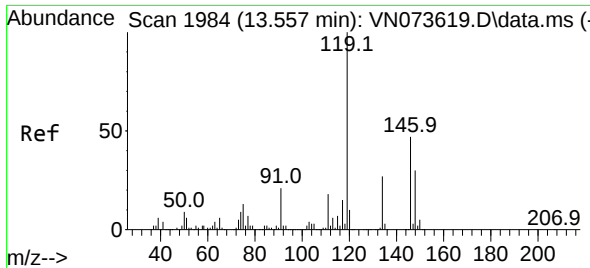
Reviewed By :John Carlone 08/13/2022
Supervised By :Mahesh Dadoda 08/14/2022



#85
sec-Butylbenzene
Concen: 1.580 ug/l
RT: 13.445 min Scan# 1965
Delta R.T. 0.006 min
Lab File: VN073859.D
Acq: 12 Aug 2022 18:17

Tgt Ion:105 Resp: 47710
Ion Ratio Lower Upper
105 100
134 30.0 10.4 31.1





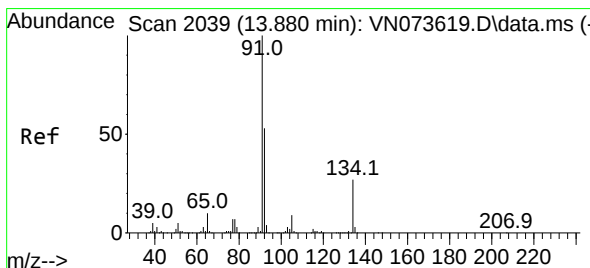
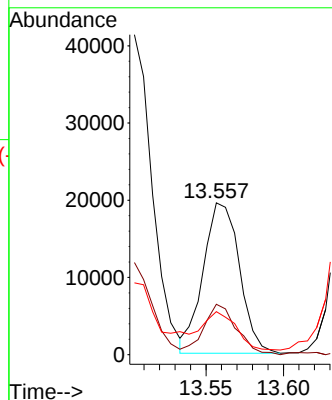
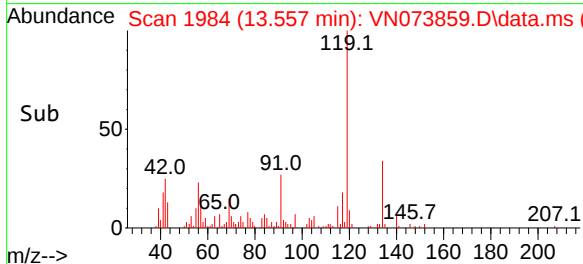
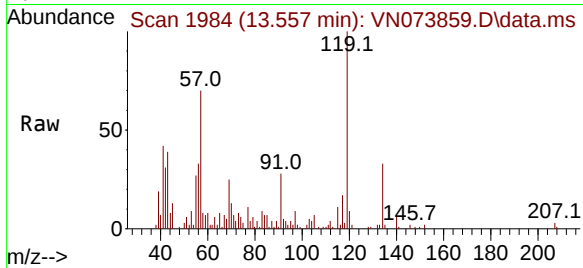
#86
p-Isopropyltoluene
Concen: 1.334 ug/l
RT: 13.557 min Scan# 1984
Delta R.T. 0.000 min
Lab File: VN073859.D
Acq: 12 Aug 2022 18:17

Instrument :
MSVOA_N
ClientSampleId :
FMC-0071

Tgt Ion: 119 Resp: 3176
Ion Ratio Lower Upper
119 100
134 30.5 13.3 39.8
91 23.4 11.3 33.9

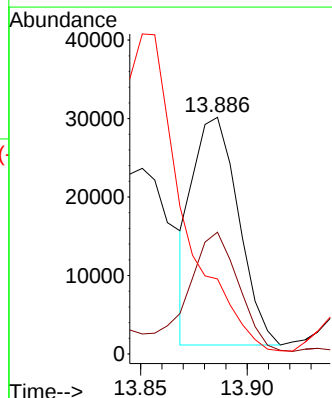
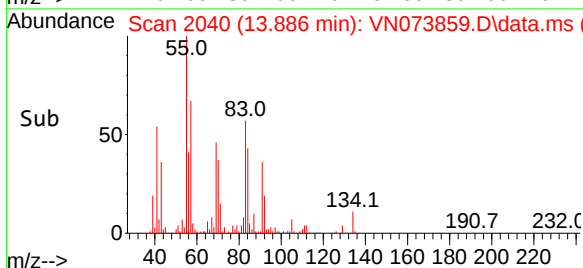
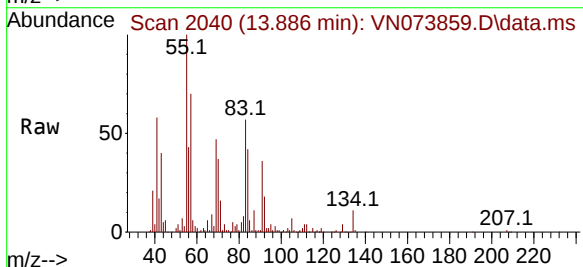
Manual Integrations
APPROVED

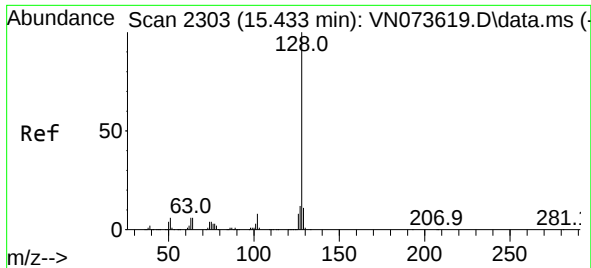
Reviewed By :John Carlone 08/13/2022
Supervised By :Mahesh Dadoda 08/14/2022



#89
n-Butylbenzene
Concen: 2.232 ug/l
RT: 13.886 min Scan# 2040
Delta R.T. 0.006 min
Lab File: VN073859.D
Acq: 12 Aug 2022 18:17

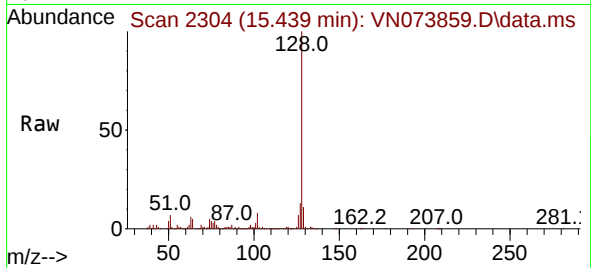
Tgt Ion: 91 Resp: 43244
Ion Ratio Lower Upper
91 100
92 58.7 26.9 80.7
134 0.0 13.6 40.8





#95
Naphthalene
Concen: 28.774 ug/l
RT: 15.439 min Scan# 21
Delta R.T. 0.006 min
Lab File: VN073859.D
Acq: 12 Aug 2022 18:17

Instrument :
MSVOA_N
ClientSampleId :
FMC-0071



Tgt Ion:128 Resp: 669564
Ion Ratio Lower Upper
128 100
127 13.2 10.3 15.5
129 10.9 8.6 13.0

Manual Integrations
APPROVED

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

