

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121522\
 Data File : VN075814.D
 Acq On : 15 Dec 2022 13:48
 Operator : JC\MD
 Sample : N5990-08DL 20X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-43DL

Manual Integrations
 APPROVED

Reviewed By : John Carlone 12/16/2022
 Supervised By : Mahesh Dadoda 12/16/2022

Quant Time: Dec 16 03:08:36 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121422W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 14 13:03:41 2022
 Response via : Initial Calibration

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

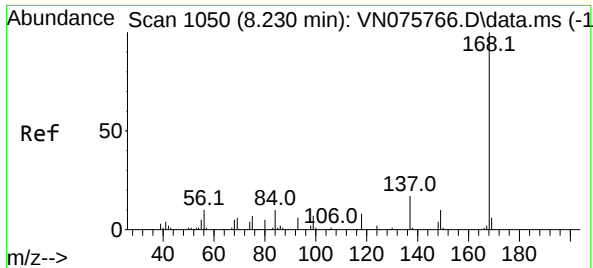
Internal Standards						
1) Pentafluorobenzene	8.229	168	380278	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	599041	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	534517	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	262013	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	196006	47.378	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	94.760%		
35) Dibromofluoromethane	8.177	113	175395	47.279	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	94.560%		
50) Toluene-d8	10.571	98	695218	50.122	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	100.240%		
62) 4-Bromofluorobenzene	12.853	95	238377	51.888	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	103.780%		
Target Compounds					Qvalue	
31) Cyclohexane	8.265	56	10304m	1.739	ug/l	
39) Methylcyclohexane	9.606	83	16454	2.768	ug/l	97
40) Benzene	8.612	78	40611	2.671	ug/l	93
52) Toluene	10.629	92	6319	0.638	ug/l	93
67) Ethyl Benzene	11.965	91	1954399	105.552	ug/l	100
68) m/p-Xylenes	12.076	106	690849	94.267	ug/l	99
69) o-Xylene	12.400	106	335464	46.255	ug/l	98
73) Isopropylbenzene	12.700	105	110643	5.844	ug/l	100
78) n-propylbenzene	13.041	91	334941	16.039	ug/l	99
80) 1,3,5-Trimethylbenzene	13.176	105	272460	17.193	ug/l	99
84) 1,2,4-Trimethylbenzene	13.482	105	1412372	89.841	ug/l	100
85) sec-Butylbenzene	13.623	105	15009m	0.778	ug/l	
86) p-Isopropyltoluene	13.735	119	7516	0.468	ug/l #	72
89) n-Butylbenzene	14.053	91	15569	1.198	ug/l #	74
95) Naphthalene	15.647	128	451904	32.488	ug/l	100

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

Manual Integrations

Quant Time: Dec 16 03:08:36 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121422W.M
Quant Title : SW846 8260
QLast Update : Wed Dec 14 13:03:41 2022
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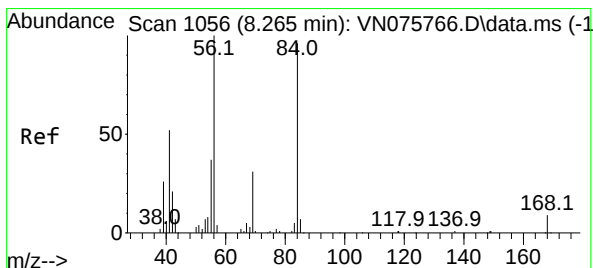
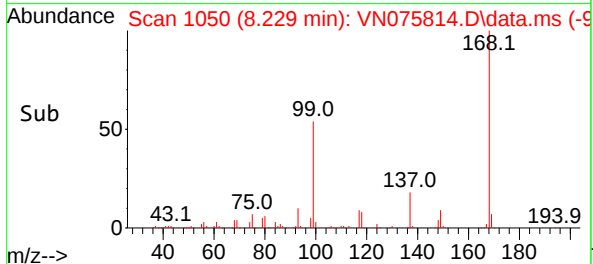
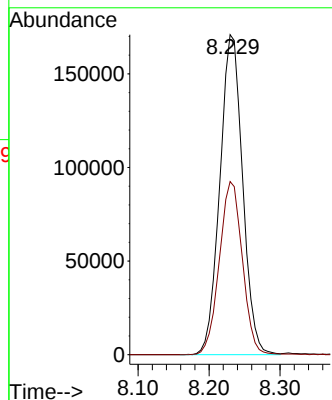
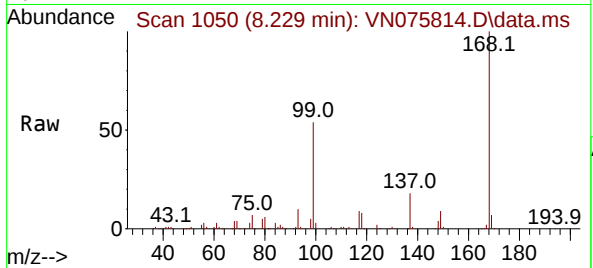
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.229 min Scan# 1050
Delta R.T. -0.001 min
Lab File: VN075814.D
Acq: 15 Dec 2022 13:48

Instrument :
MSVOA_N
ClientSampleId :
MW-43DL

Tgt Ion:168 Resp: 380278
Ion Ratio Lower Upper
168 100
99 54.1 44.2 66.4

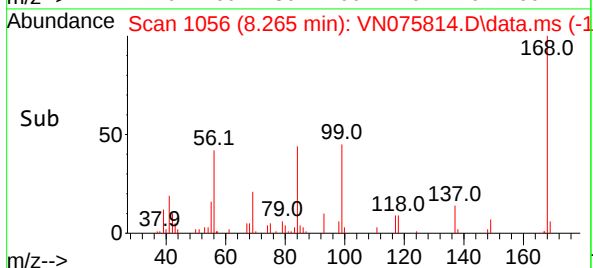
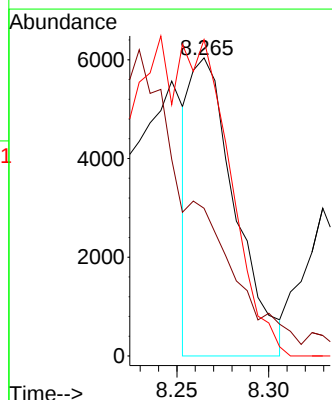
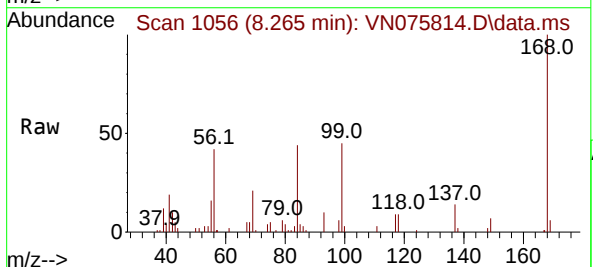
Manual Integrations
APPROVED

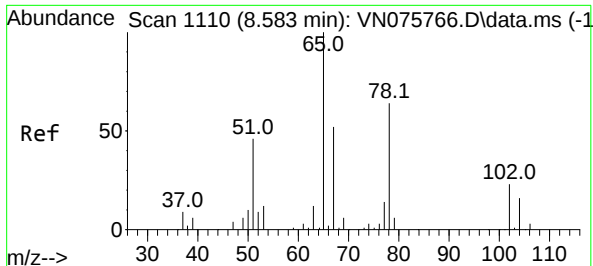
Reviewed By :John Carlone 12/16/2022
Supervised By :Mahesh Dadoda 12/16/2022



#31
Cyclohexane
Concen: 1.739 ug/l m
RT: 8.265 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VN075814.D
Acq: 15 Dec 2022 13:48

Tgt Ion: 56 Resp: 10304
Ion Ratio Lower Upper
56 100
69 49.5 24.7 37.1#
84 106.1 76.5 114.7





#33

1,2-Dichloroethane-d4

Concen: 47.378 ug/l

RT: 8.582 min Scan# 1110

Delta R.T. -0.000 min

Lab File: VN075814.D

Acq: 15 Dec 2022 13:48

Instrument :

MSVOA_N

ClientSampleId :

MW-43DL

Tgt Ion: 65 Resp: 196000

Ion Ratio Lower Upper

65 100

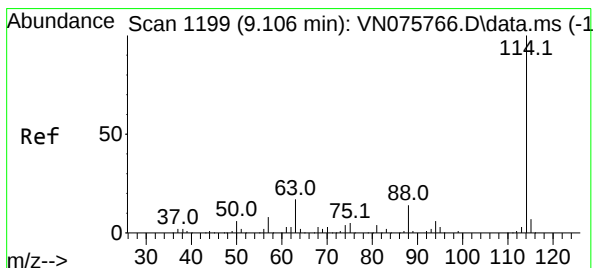
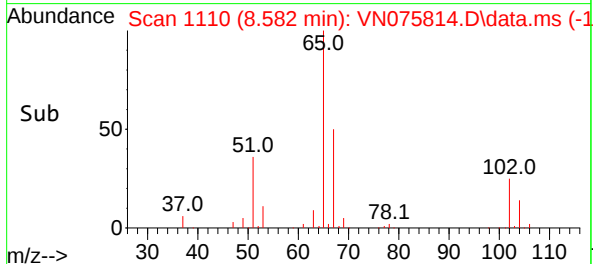
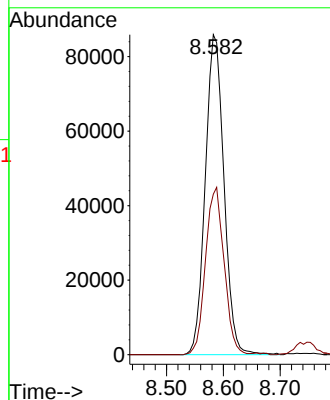
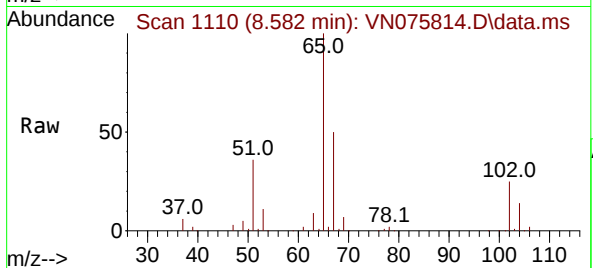
67 52.0 0.0 103.4

Manual Integrations

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Supervised By :Mahesh Dadoda 12/16/2022



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1199

Delta R.T. -0.000 min

Lab File: VN075814.D

Acq: 15 Dec 2022 13:48

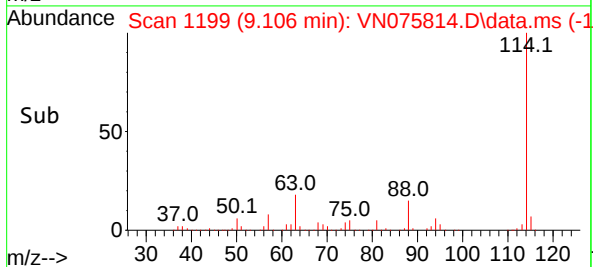
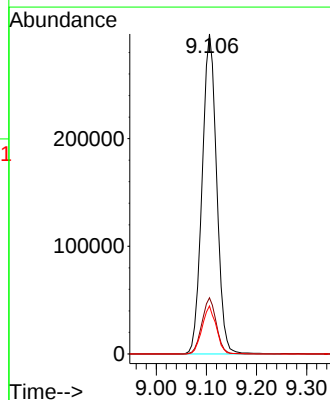
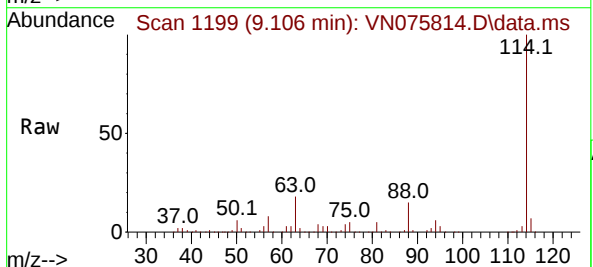
Tgt Ion:114 Resp: 599041

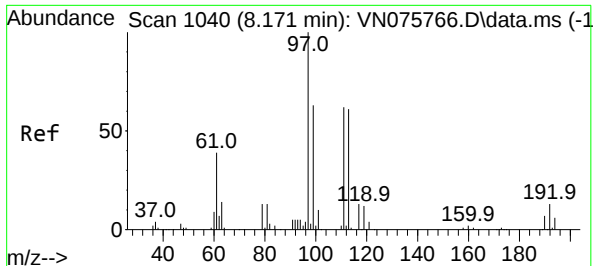
Ion Ratio Lower Upper

114 100

63 17.6 0.0 34.4

88 15.0 0.0 28.8





#35

Dibromofluoromethane

Concen: 47.279 ug/l

RT: 8.177 min Scan# 1041

Delta R.T. 0.006 min

Lab File: VN075814.D

Acq: 15 Dec 2022 13:48

Instrument :

MSVOA_N

ClientSampleId :

MW-43DL

Tgt Ion:113 Resp: 17539

Ion Ratio Lower Upper

113 100

111 104.0 83.4 125.2

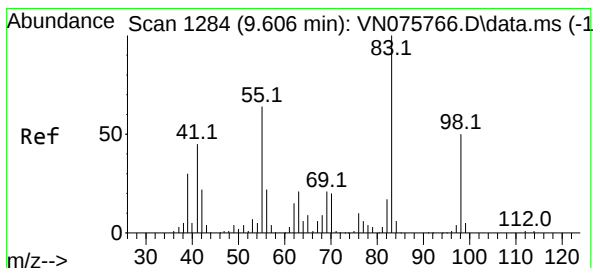
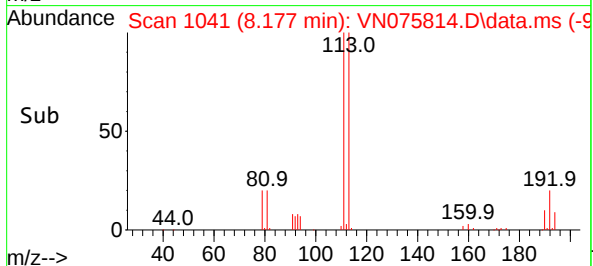
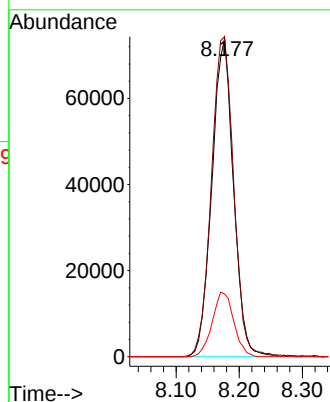
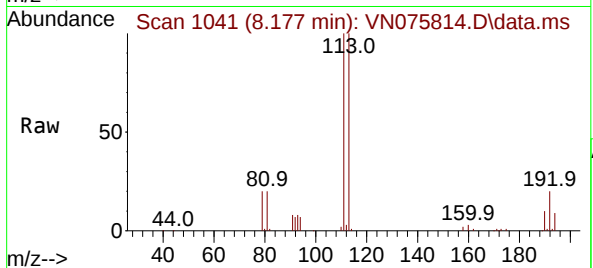
192 20.2 16.1 24.1

Manual Integrations

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Supervised By :Mahesh Dadoda 12/16/2022



#39

Methylcyclohexane

Concen: 2.768 ug/l

RT: 9.606 min Scan# 1284

Delta R.T. -0.000 min

Lab File: VN075814.D

Acq: 15 Dec 2022 13:48

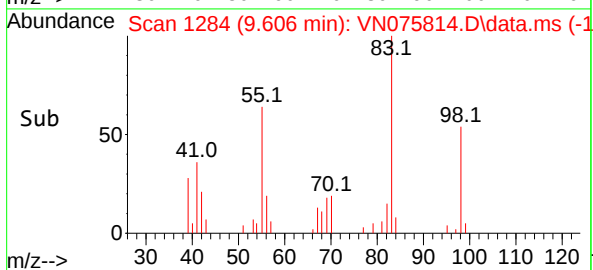
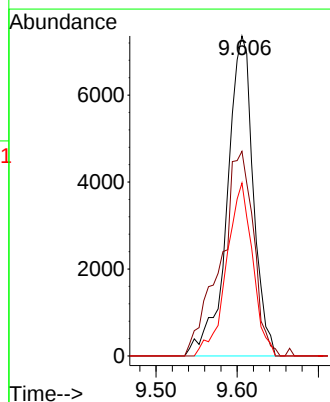
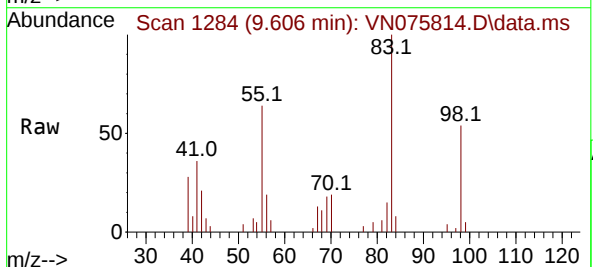
Tgt Ion: 83 Resp: 16454

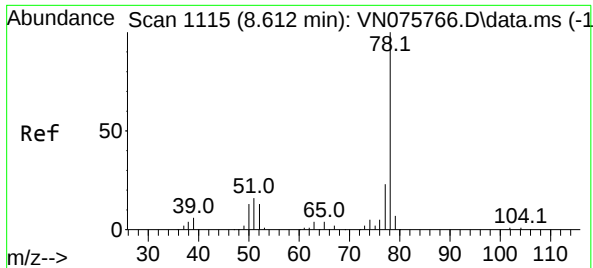
Ion Ratio Lower Upper

83 100

55 64.0 51.4 77.0

98 54.1 39.8 59.8





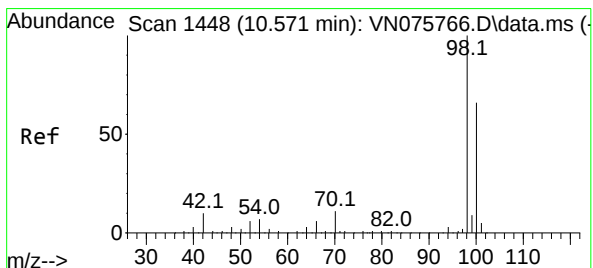
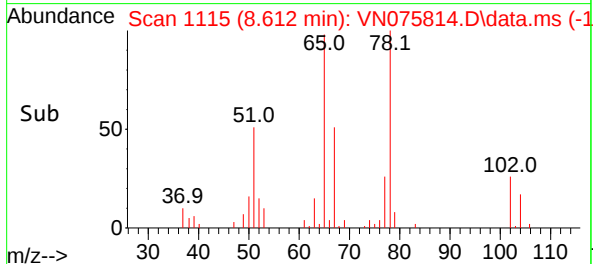
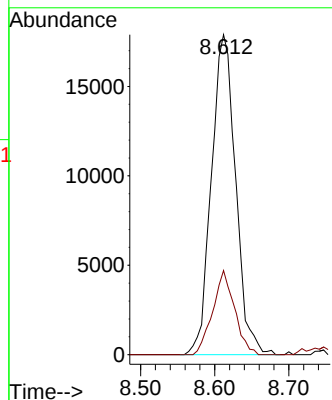
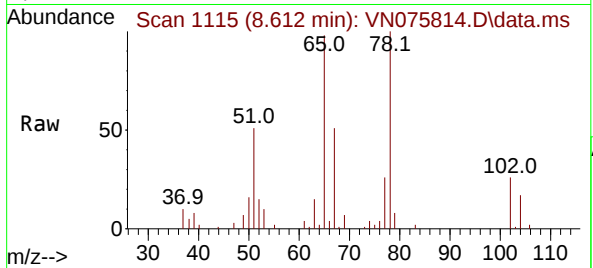
#40
Benzene
Concen: 2.671 ug/l
RT: 8.612 min Scan# 1115
Delta R.T. -0.000 min
Lab File: VN075814.D
Acq: 15 Dec 2022 13:48

Instrument :
MSVOA_N
ClientSampleId :
MW-43DL

Tgt Ion: 78 Resp: 4061
Ion Ratio Lower Upper
78 100
77 26.3 18.5 27.7

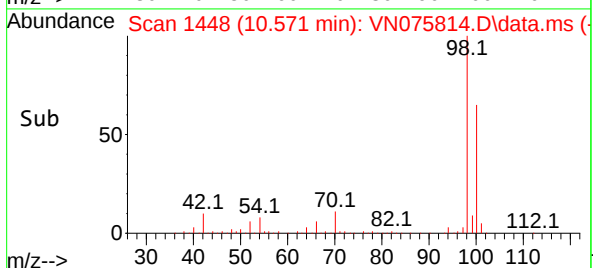
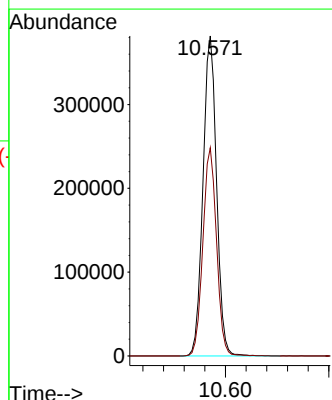
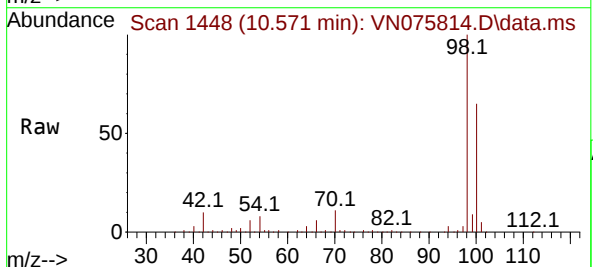
Manual Integrations
APPROVED

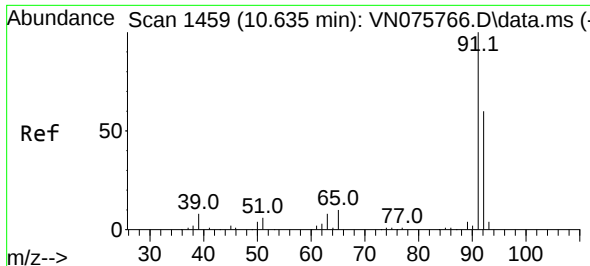
Reviewed By :John Carlone 12/16/2022
Supervised By :Mahesh Dadoda 12/16/2022



#50
Toluene-d8
Concen: 50.122 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. -0.000 min
Lab File: VN075814.D
Acq: 15 Dec 2022 13:48

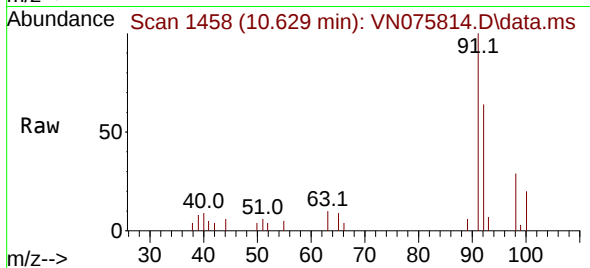
Tgt Ion: 98 Resp: 695218
Ion Ratio Lower Upper
98 100
100 65.4 52.1 78.1





#52
Toluene
Concen: 0.638 ug/l
RT: 10.629 min Scan# 1459
Delta R.T. -0.006 min
Lab File: VN075814.D
Acq: 15 Dec 2022 13:48

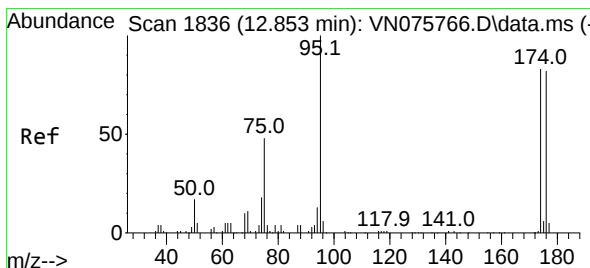
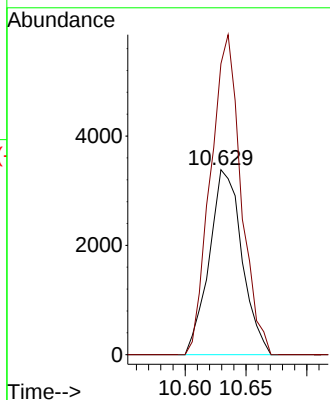
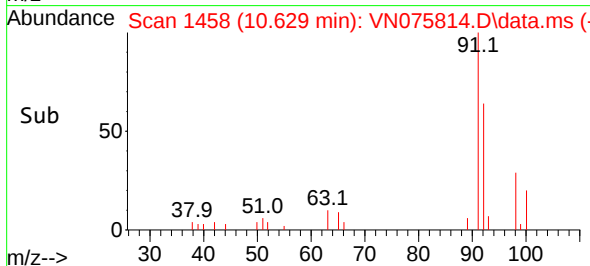
Instrument :
MSVOA_N
ClientSampleId :
MW-43DL



Tgt Ion: 92 Resp: 6319
Ion Ratio Lower Upper
92 100
91 161.5 137.3 205.9

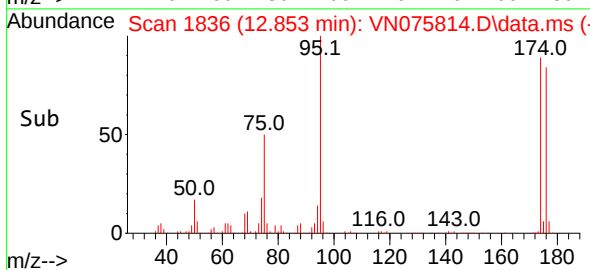
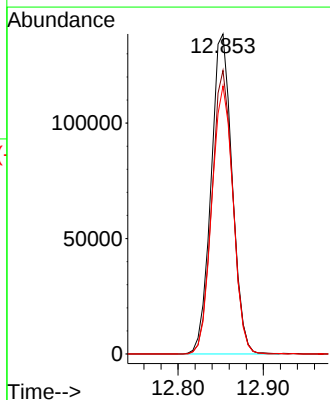
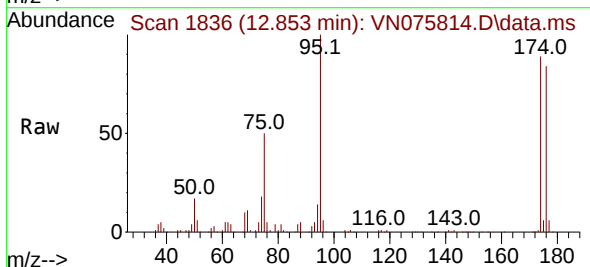
Manual Integrations
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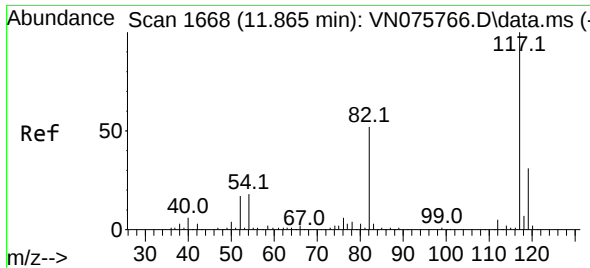
Reviewed By :John Carlone 12/16/2022
Supervised By :Mahesh Dadoda 12/16/2022



#62
4-Bromofluorobenzene
Concen: 51.888 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.000 min
Lab File: VN075814.D
Acq: 15 Dec 2022 13:48

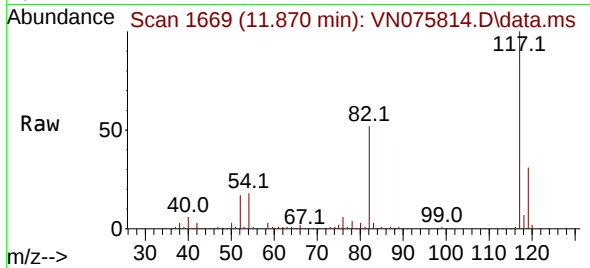
Tgt Ion: 95 Resp: 238377
Ion Ratio Lower Upper
95 100
174 87.9 0.0 171.6
176 84.4 0.0 169.2





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 1669
Delta R.T. 0.006 min
Lab File: VN075814.D
Acq: 15 Dec 2022 13:48

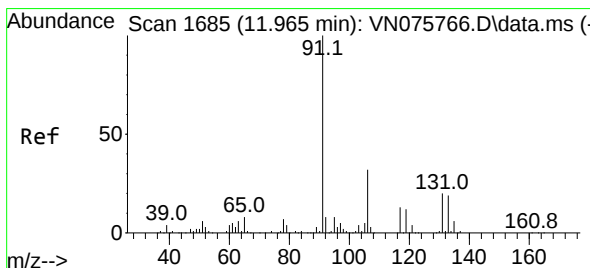
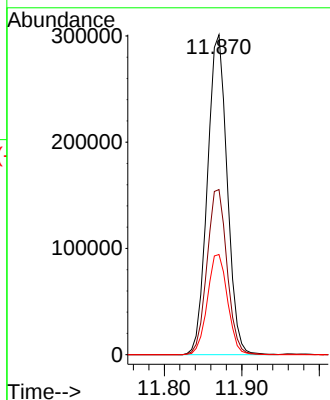
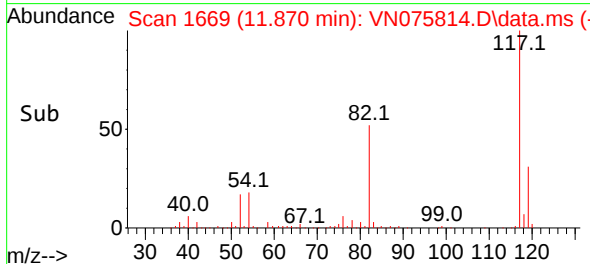
Instrument :
MSVOA_N
ClientSampleId :
MW-43DL



Tgt Ion:117 Resp: 53451
Ion Ratio Lower Upper
117 100
82 51.6 41.3 61.9
119 31.3 24.6 37.0

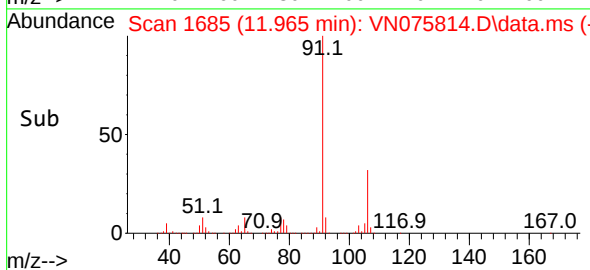
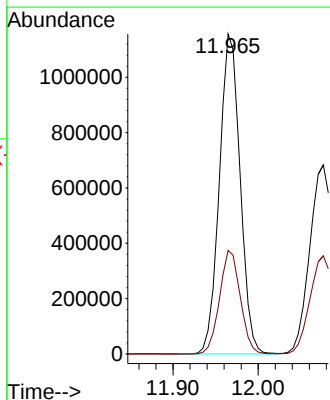
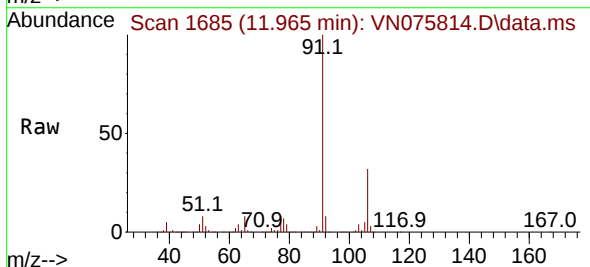
Manual Integrations
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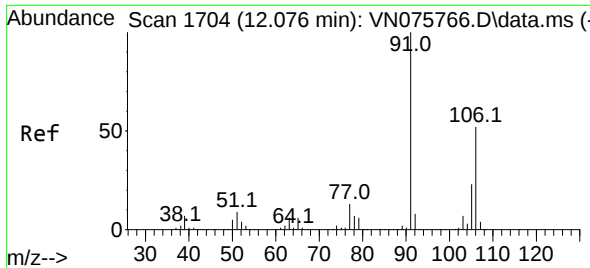
Reviewed By :John Carlone 12/16/2022
Supervised By :Mahesh Dadoda 12/16/2022



#67
Ethyl Benzene
Concen: 105.552 ug/l
RT: 11.965 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN075814.D
Acq: 15 Dec 2022 13:48

Tgt Ion: 91 Resp: 1954399
Ion Ratio Lower Upper
91 100
106 32.3 25.7 38.5





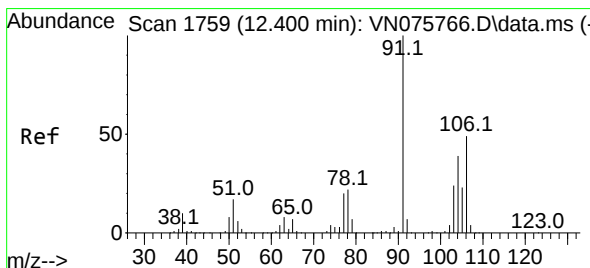
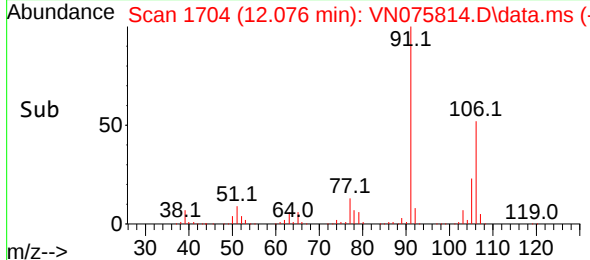
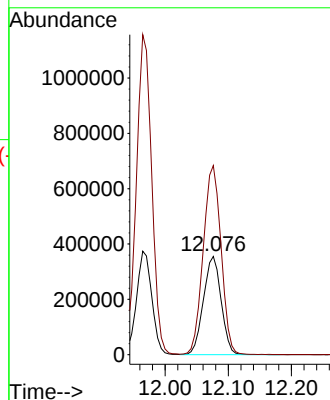
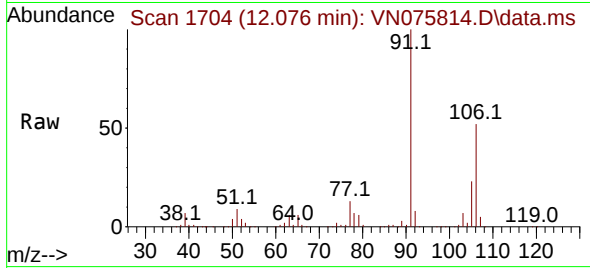
#68
m/p-Xylenes
Concen: 94.267 ug/l
RT: 12.076 min Scan# 1704
Delta R.T. -0.000 min
Lab File: VN075814.D
Acq: 15 Dec 2022 13:48

Instrument :
MSVOA_N
ClientSampleId :
MW-43DL

Tgt Ion:106 Resp: 690849
Ion Ratio Lower Upper
106 100
91 194.5 156.6 235.0

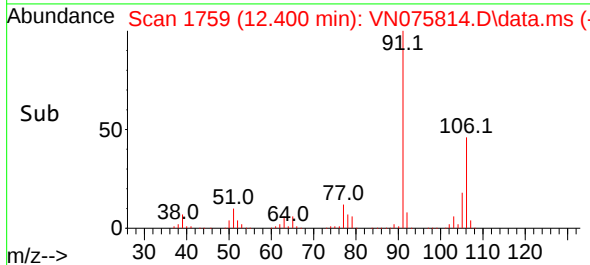
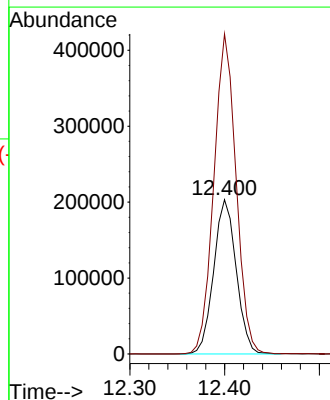
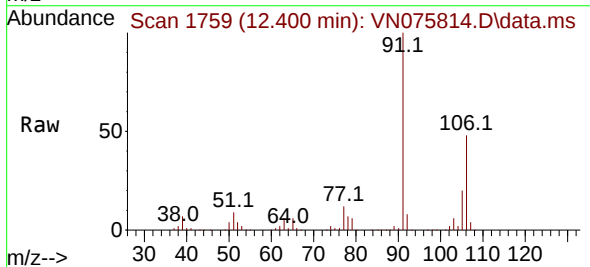
Manual Integrations
APPROVED

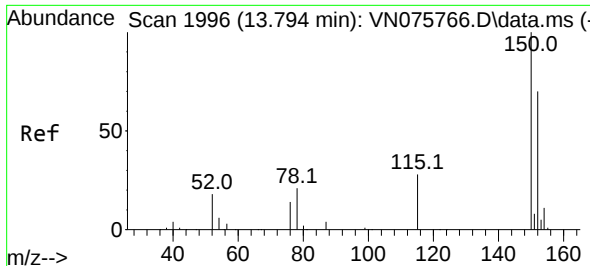
Reviewed By :John Carlone 12/16/2022
Supervised By :Mahesh Dadoda 12/16/2022



#69
o-Xylene
Concen: 46.255 ug/l
RT: 12.400 min Scan# 1759
Delta R.T. -0.000 min
Lab File: VN075814.D
Acq: 15 Dec 2022 13:48

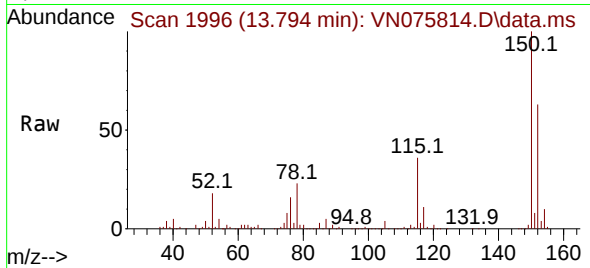
Tgt Ion:106 Resp: 335464
Ion Ratio Lower Upper
106 100
91 205.1 103.8 311.6





#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. -0.000 min
Lab File: VN075814.D
Acq: 15 Dec 2022 13:48

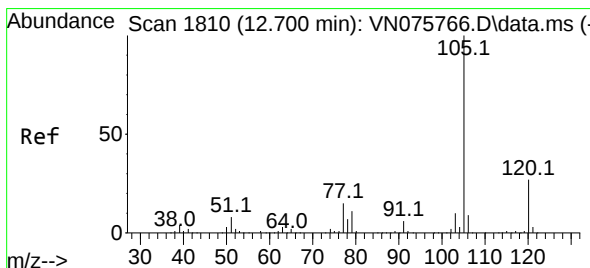
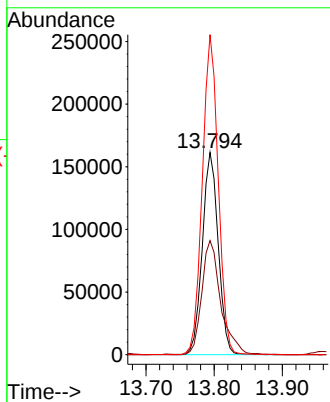
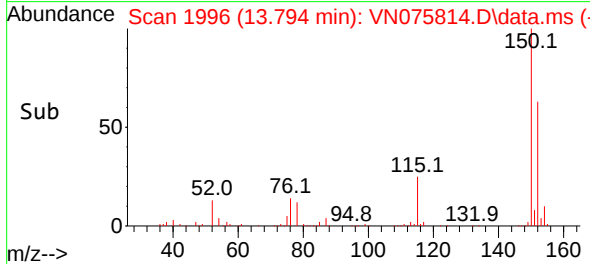
Instrument :
MSVOA_N
ClientSampleId :
MW-43DL



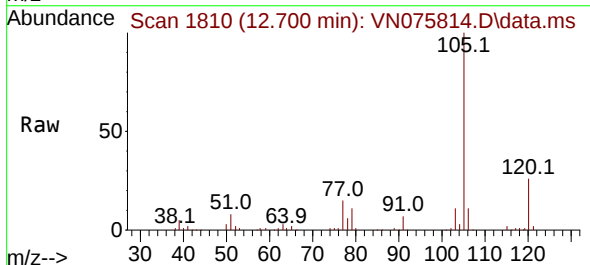
Tgt Ion:152 Resp: 26201
Ion Ratio Lower Upper
152 100
115 67.7 29.1 87.4
150 158.1 0.0 347.0

Manual Integrations
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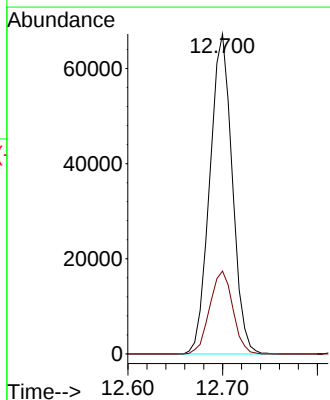
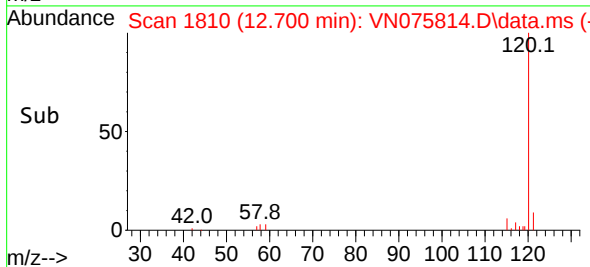
Reviewed By :John Carlone 12/16/2022
Supervised By :Mahesh Dadoda 12/16/2022

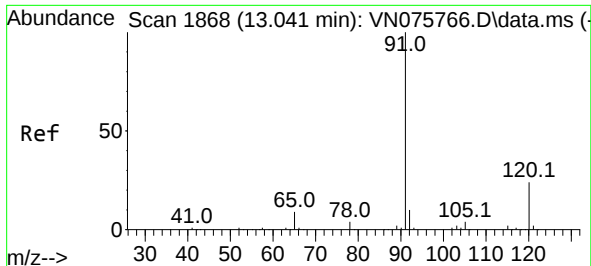


#73
Isopropylbenzene
Concen: 5.844 ug/l
RT: 12.700 min Scan# 1810
Delta R.T. -0.000 min
Lab File: VN075814.D
Acq: 15 Dec 2022 13:48



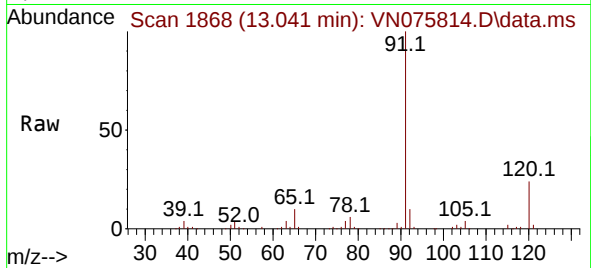
Tgt Ion:105 Resp: 110643
Ion Ratio Lower Upper
105 100
120 26.6 13.4 40.2





#78
n-propylbenzene
Concen: 16.039 ug/l
RT: 13.041 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VN075814.D
Acq: 15 Dec 2022 13:48

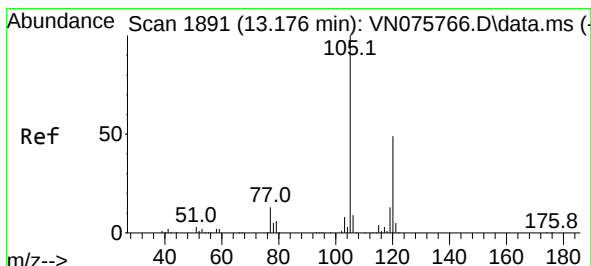
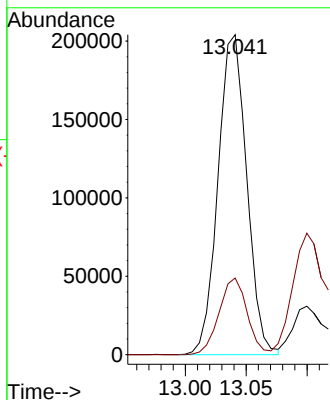
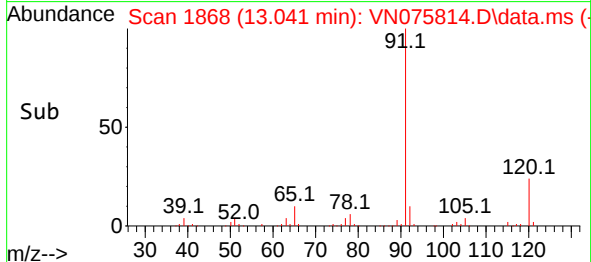
Instrument : MSVOA_N
ClientSampleId : MW-43DL



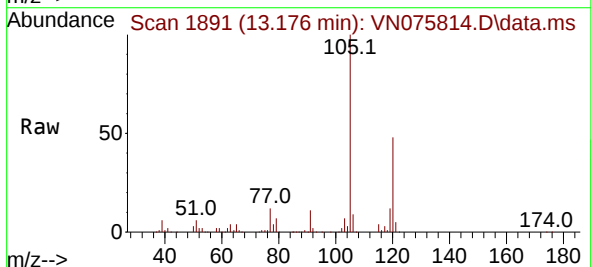
Tgt Ion: 91 Resp: 33494
Ion Ratio Lower Upper
91 100
120 23.5 12.0 36.1

Manual Integrations
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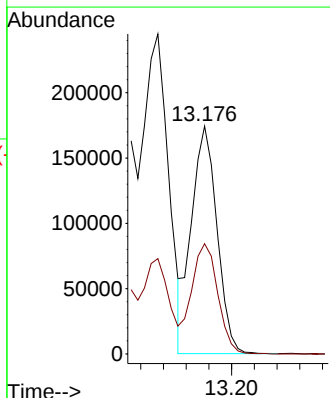
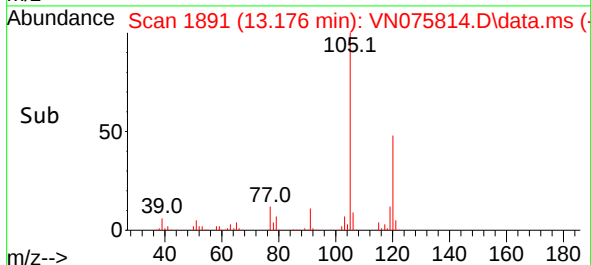
Reviewed By :John Carlone 12/16/2022
Supervised By :Mahesh Dadoda 12/16/2022

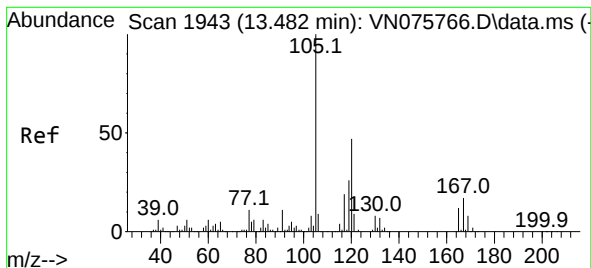


#80
1,3,5-Trimethylbenzene
Concen: 17.193 ug/l
RT: 13.176 min Scan# 1891
Delta R.T. -0.000 min
Lab File: VN075814.D
Acq: 15 Dec 2022 13:48



Tgt Ion:105 Resp: 272460
Ion Ratio Lower Upper
105 100
120 50.1 24.7 74.1





#84

1,2,4-Trimethylbenzene

Concen: 89.841 ug/l

RT: 13.482 min Scan# 1943

Delta R.T. -0.000 min

Lab File: VN075814.D

Acq: 15 Dec 2022 13:48

Instrument :

MSVOA_N

ClientSampleId :

MW-43DL

Tgt Ion:105 Resp: 141237

Ion Ratio Lower Upper

105 100

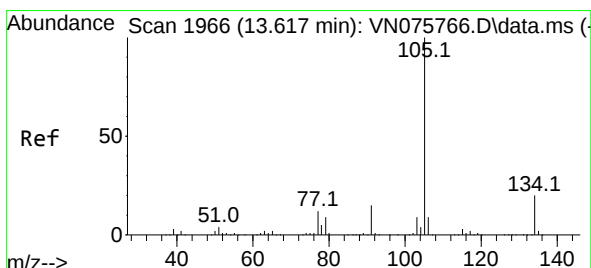
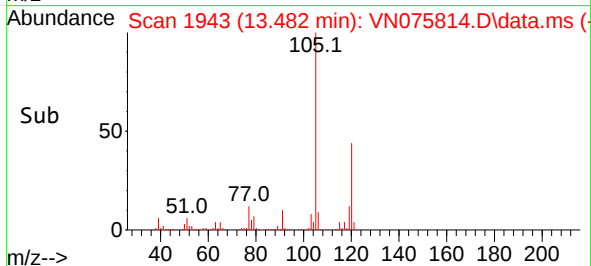
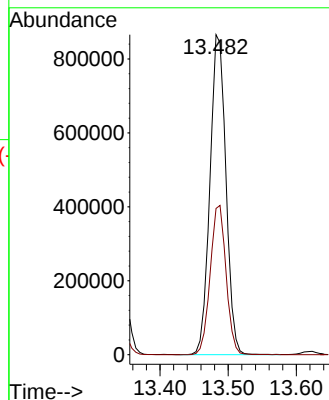
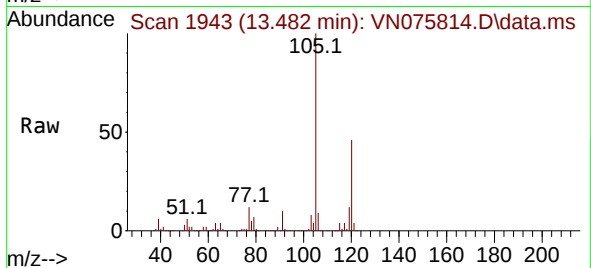
120 46.3 23.3 69.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/16/2022

Supervised By :Mahesh Dadoda 12/16/2022



#85

sec-Butylbenzene

Concen: 0.778 ug/l m

RT: 13.623 min Scan# 1967

Delta R.T. 0.006 min

Lab File: VN075814.D

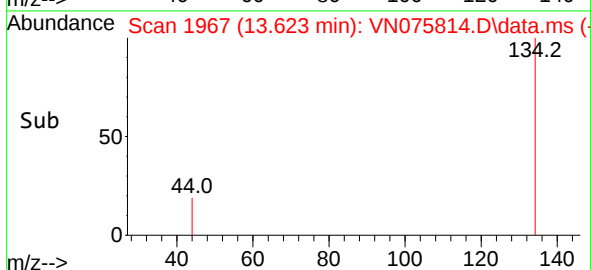
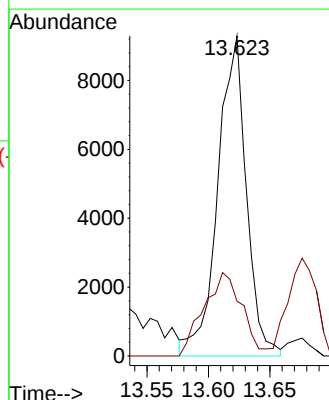
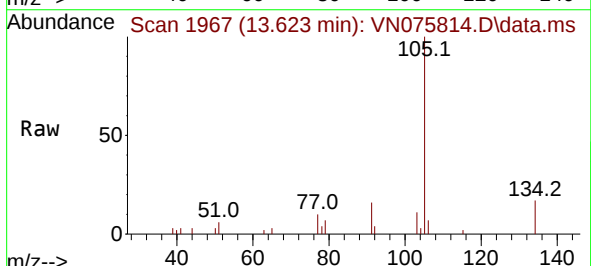
Acq: 15 Dec 2022 13:48

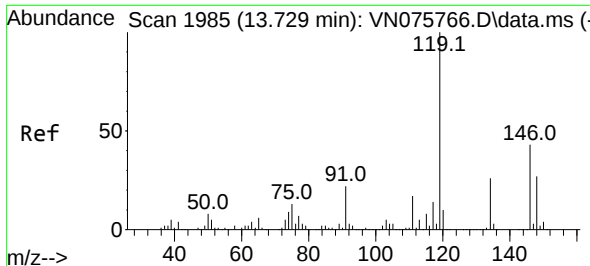
Tgt Ion:105 Resp: 15009

Ion Ratio Lower Upper

105 100

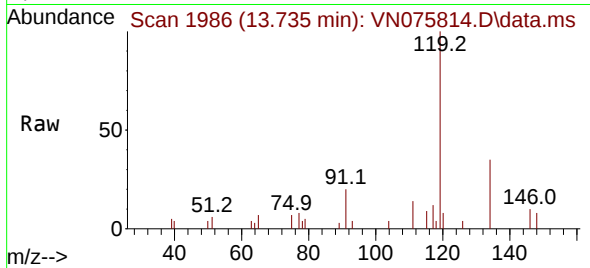
134 0.0 10.1 30.1#





#86
p-Isopropyltoluene
Concen: 0.468 ug/l
RT: 13.735 min Scan# 1985
Delta R.T. 0.006 min
Lab File: VN075814.D
Acq: 15 Dec 2022 13:48

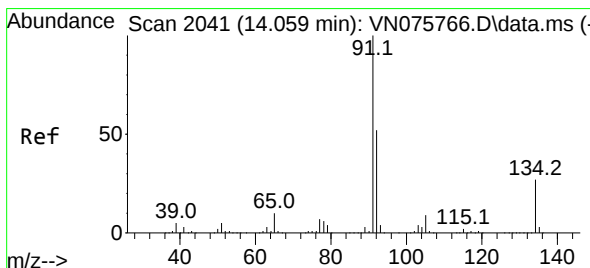
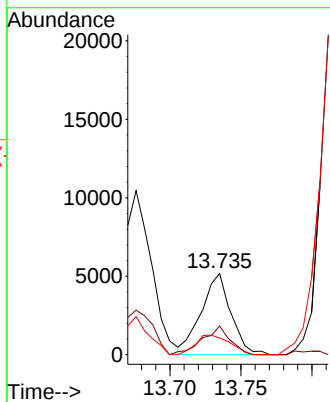
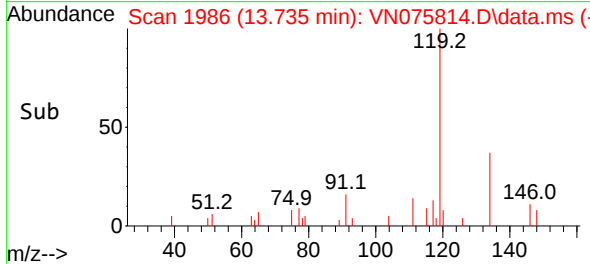
Instrument :
MSVOA_N
ClientSampleId :
MW-43DL



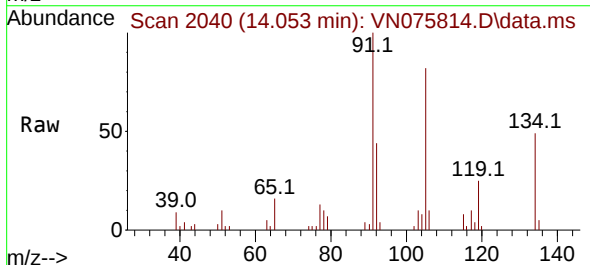
Tgt Ion: 119 Resp: 7510
Ion Ratio Lower Upper
119 100
134 31.9 13.0 39.0
91 0.0 11.2 33.6

Manual Integrations
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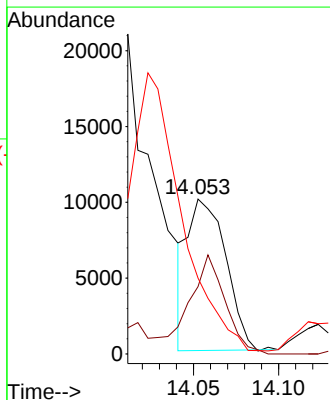
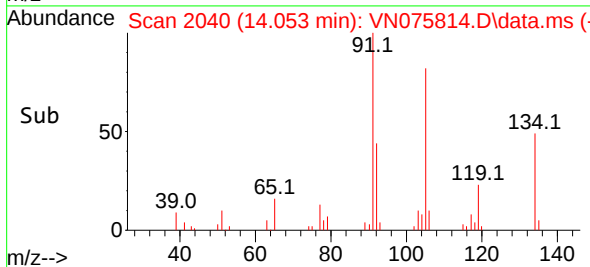
Reviewed By :John Carlone 12/16/2022
Supervised By :Mahesh Dadoda 12/16/2022

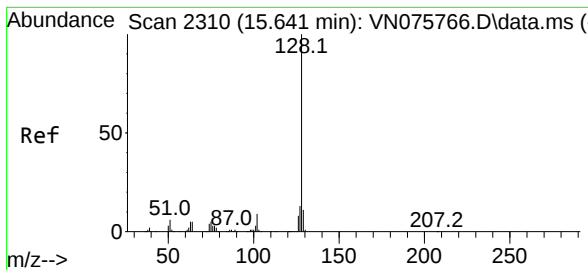


#89
n-Butylbenzene
Concen: 1.198 ug/l
RT: 14.053 min Scan# 2040
Delta R.T. -0.006 min
Lab File: VN075814.D
Acq: 15 Dec 2022 13:48



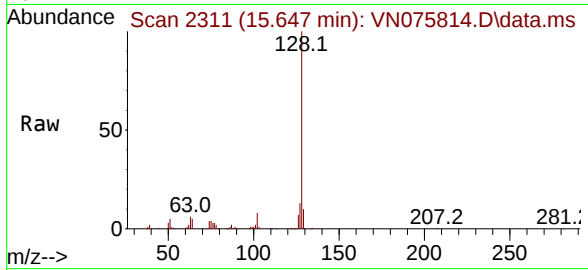
Tgt Ion: 91 Resp: 15569
Ion Ratio Lower Upper
91 100
92 61.6 26.4 79.2
134 0.0 13.4 40.2#





#95
Naphthalene
Concen: 32.488 ug/l
RT: 15.647 min Scan# 21
Delta R.T. 0.006 min
Lab File: VN075814.D
Acq: 15 Dec 2022 13:48

Instrument :
MSVOA_N
ClientSampleId :
MW-43DL



Tgt Ion:128 Resp: 451904
Ion Ratio Lower Upper
128 100
127 13.0 10.4 15.6
129 11.1 8.7 13.1

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/16/2022
Supervised By :Mahesh Dadoda 12/16/2022

