

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121522\
 Data File : VN075829.D
 Acq On : 15 Dec 2022 19:47
 Operator : JC\MD
 Sample : N5990-12DL 40X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 DUP120822DL

Quant Time: Dec 16 03:13:09 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

Manual Integrations
 APPROVED

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

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

Internal Standards						
1) Pentafluorobenzene	8.235	168	360507	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	558260	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	481814	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	216972	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	182477	46.527	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	93.060%		
35) Dibromofluoromethane	8.177	113	167031	48.314	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	96.620%		
50) Toluene-d8	10.570	98	648679	50.183	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	100.360%		
62) 4-Bromofluorobenzene	12.853	95	208415	48.680	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	97.360%		
Target Compounds						
					Qvalue	
39) Methylcyclohexane	9.606	83	6648	1.200	ug/l	94
40) Benzene	8.612	78	19332	1.364	ug/l	97
52) Toluene	10.641	92	3407	0.369	ug/l	99
67) Ethyl Benzene	11.964	91	847446	50.775	ug/l	99
68) m/p-Xylenes	12.076	106	302979	45.864	ug/l	97
69) o-Xylene	12.400	106	142625	21.817	ug/l	99
73) Isopropylbenzene	12.700	105	46065	2.938	ug/l	98
78) n-propylbenzene	13.041	91	138679	8.019	ug/l	97
80) 1,3,5-Trimethylbenzene	13.176	105	111567	8.502	ug/l	94
84) 1,2,4-Trimethylbenzene	13.488	105	609195	46.795	ug/l	100
85) sec-Butylbenzene	13.617	105	6303m	0.395	ug/l	
89) n-Butylbenzene	14.058	91	5573	0.518	ug/l #	72
95) Naphthalene	15.647	128	190301	17.591	ug/l	99

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

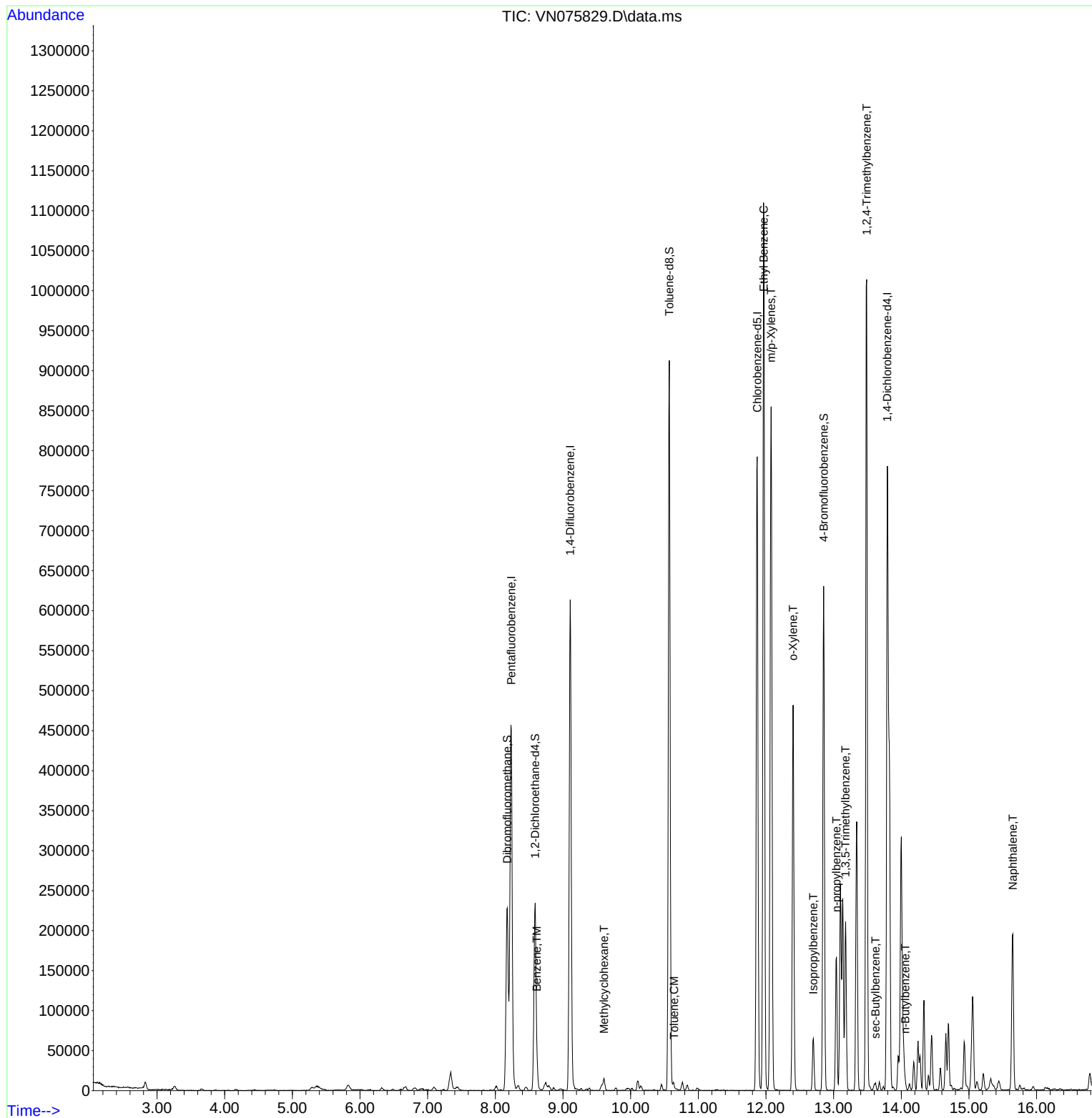
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121522\
Data File : VN075829.D
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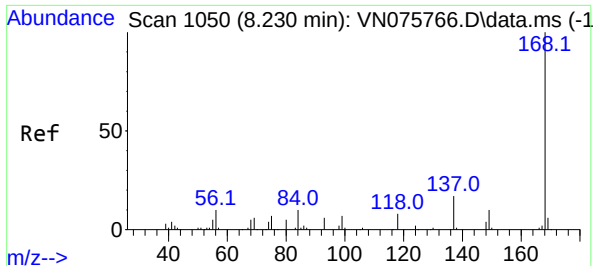
Instrument :
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121422W.M
Quant Title : SW846 8260
QLast Update : Wed Dec 14 13:03:41 2022
Response via : Initial Calibration





Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.235 min Scan# 1050

Delta R.T. 0.005 min

Lab File: VN075829.D

Acq: 15 Dec 2022 19:47

Instrument :

MSVOA_N

ClientSampleId :

DUP120822DL

Tgt Ion:168 Resp: 36050

Ion Ratio Lower Upper

168 100

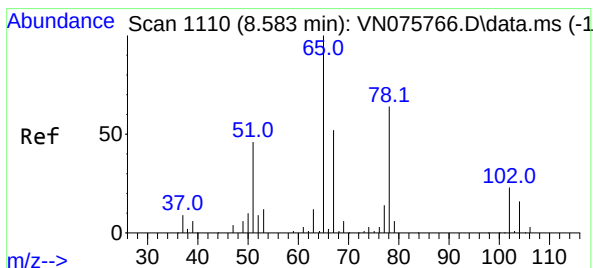
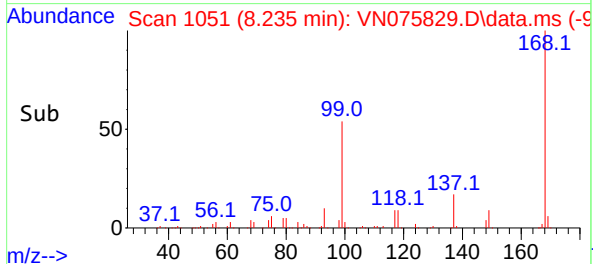
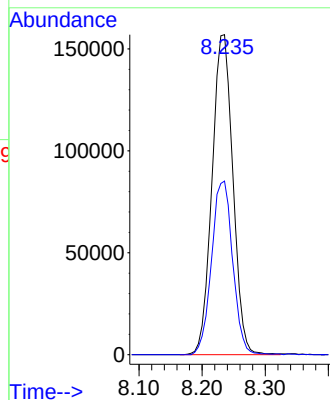
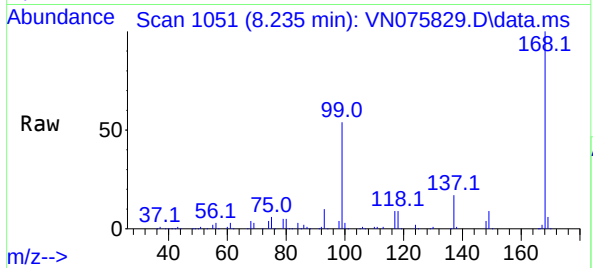
99 54.2 44.2 66.4

Manual Integrations

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1,2-Dichloroethane-d4

Concen: 46.527 ug/l

RT: 8.588 min Scan# 1111

Delta R.T. 0.006 min

Lab File: VN075829.D

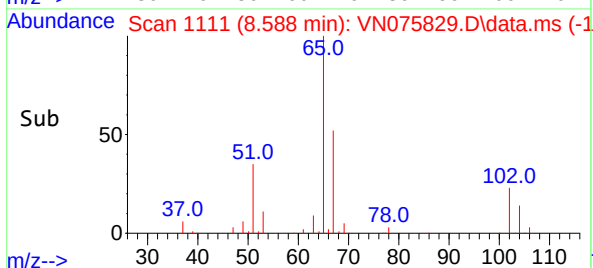
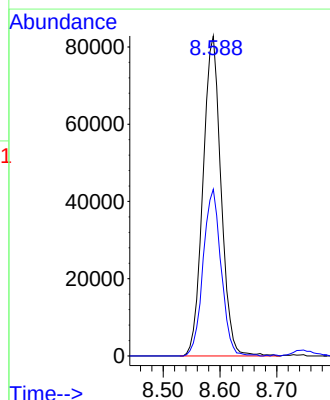
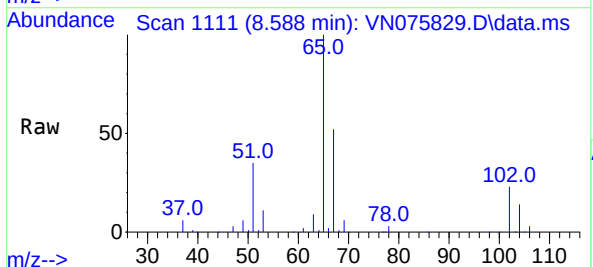
Acq: 15 Dec 2022 19:47

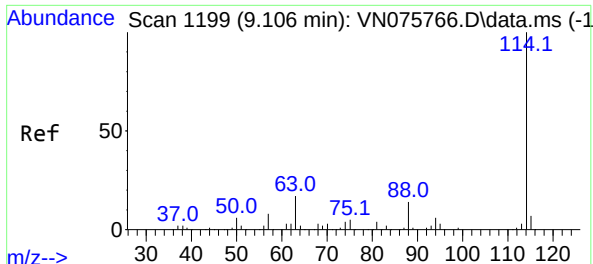
Tgt Ion: 65 Resp: 182477

Ion Ratio Lower Upper

65 100

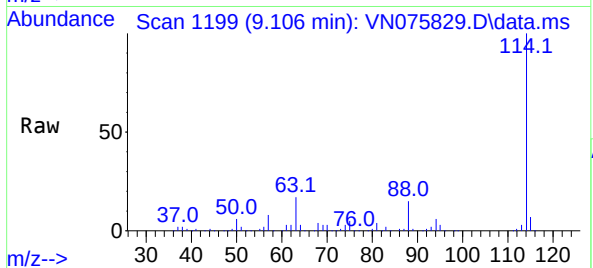
67 51.9 0.0 103.4





#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 1199
Delta R.T. -0.000 min
Lab File: VN075829.D
Acq: 15 Dec 2022 19:47

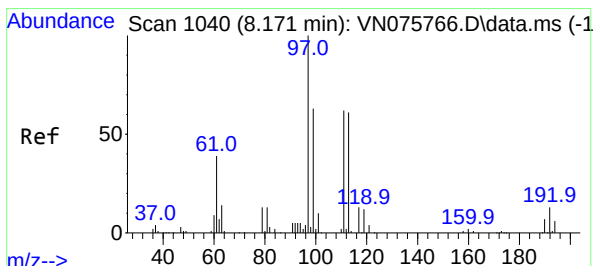
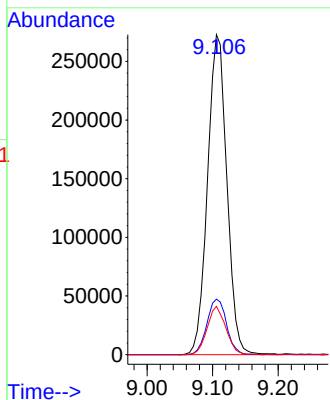
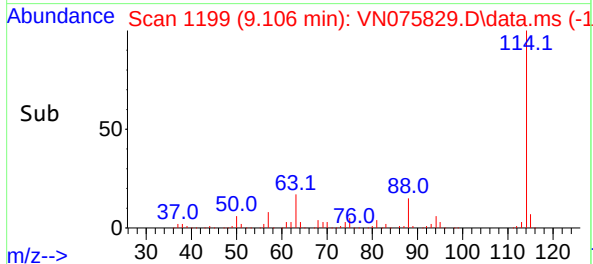
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DUP120822DL



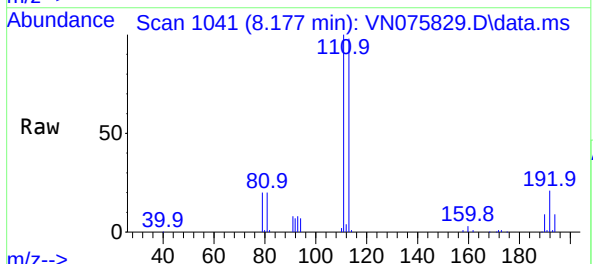
Tgt Ion:114 Resp: 558260
Ion Ratio Lower Upper
114 100
63 17.4 0.0 34.4
88 15.1 0.0 28.8

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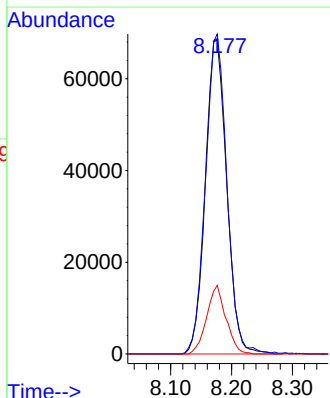
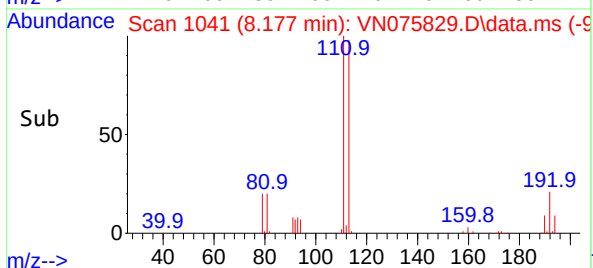
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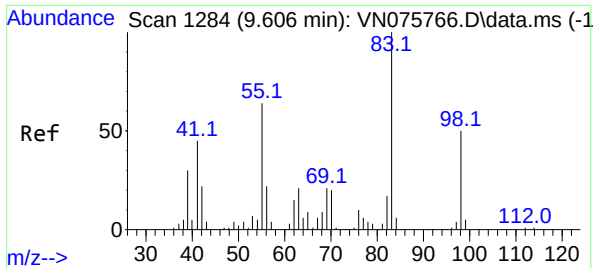


#35
Dibromofluoromethane
Concen: 48.314 ug/l
RT: 8.177 min Scan# 1041
Delta R.T. 0.006 min
Lab File: VN075829.D
Acq: 15 Dec 2022 19:47



Tgt Ion:113 Resp: 167031
Ion Ratio Lower Upper
113 100
111 101.9 83.4 125.2
192 19.7 16.1 24.1





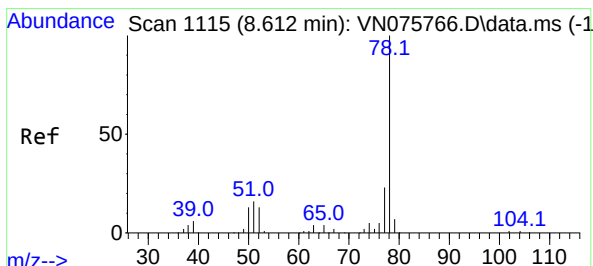
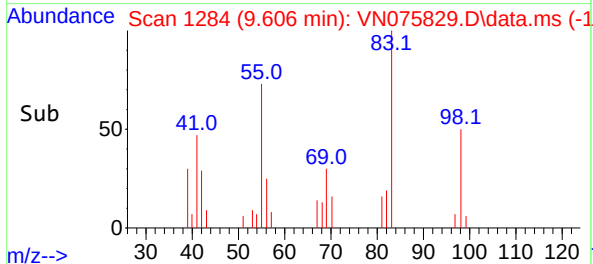
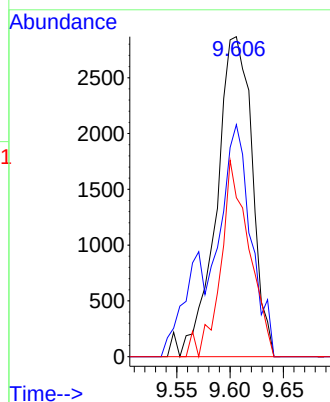
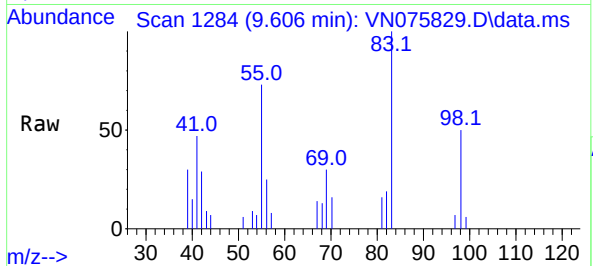
#39
Methylcyclohexane
Concen: 1.200 ug/l
RT: 9.606 min Scan# 1115
Delta R.T. -0.000 min
Lab File: VN075829.D
Acq: 15 Dec 2022 19:47

Instrument :
MSVOA_N
ClientSampleId :
DUP120822DL

Tgt Ion: 83 Resp: 6648
Ion Ratio Lower Upper
83 100
55 72.5 51.4 77.0
98 49.7 39.8 59.8

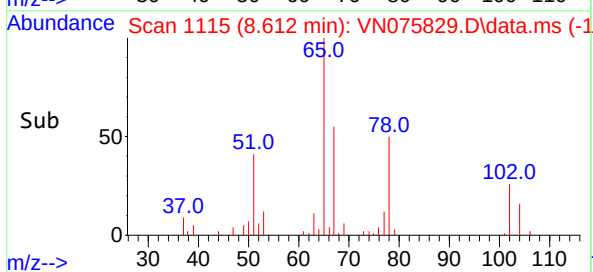
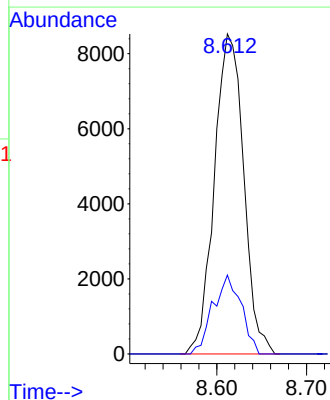
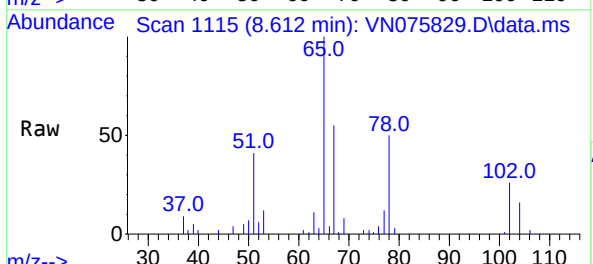
Manual Integrations
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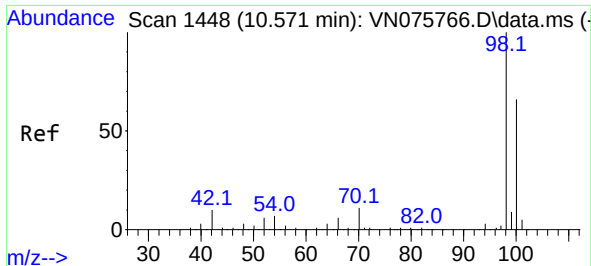
Reviewed By :John Carlone 12/16/2022
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#40
Benzene
Concen: 1.364 ug/l
RT: 8.612 min Scan# 1115
Delta R.T. -0.000 min
Lab File: VN075829.D
Acq: 15 Dec 2022 19:47

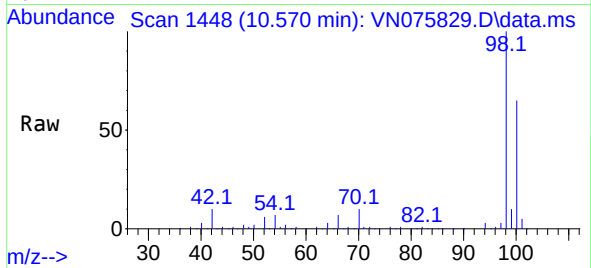
Tgt Ion: 78 Resp: 19332
Ion Ratio Lower Upper
78 100
77 24.6 18.5 27.7





#50
Toluene-d8
Concen: 50.183 ug/l
RT: 10.570 min Scan# 1448
Delta R.T. -0.000 min
Lab File: VN075829.D
Acq: 15 Dec 2022 19:47

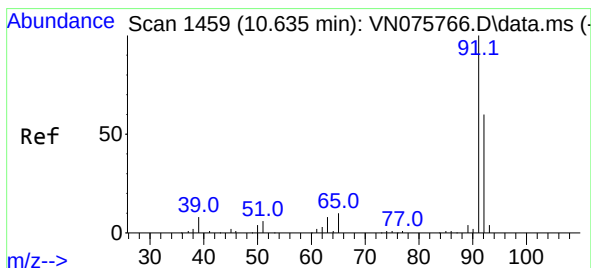
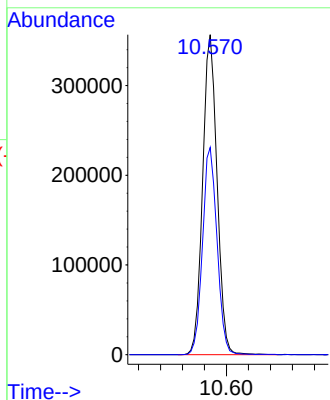
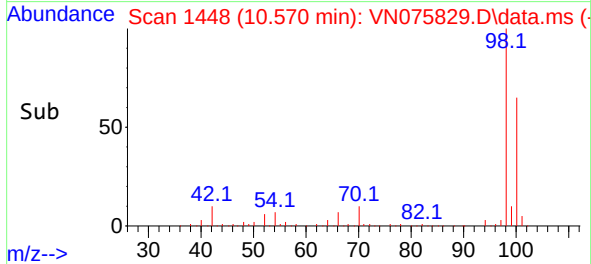
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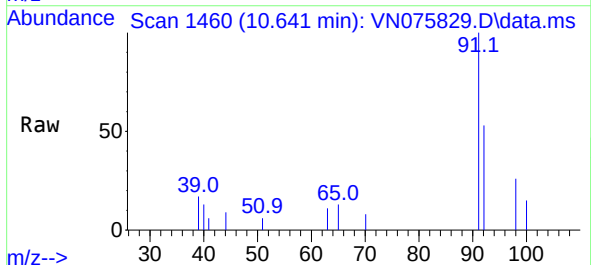
Tgt Ion: 98 Resp: 648679
Ion Ratio Lower Upper
98 100
100 65.2 52.1 78.1

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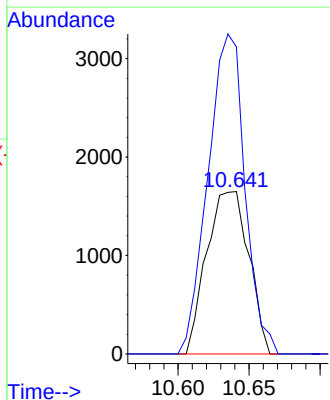
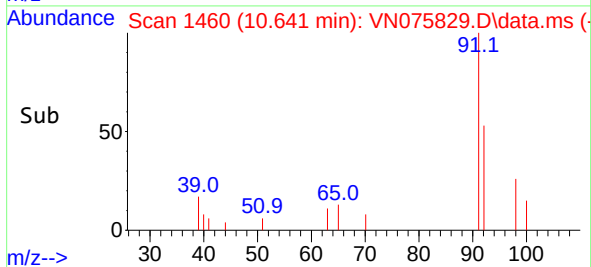
Reviewed By :John Carlone 12/16/2022
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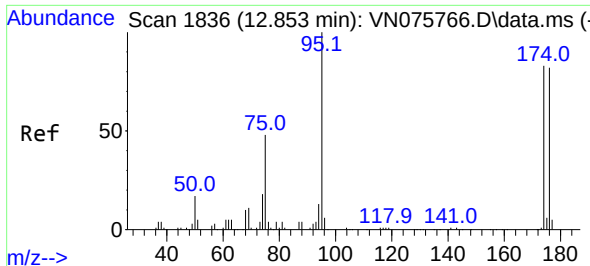


#52
Toluene
Concen: 0.369 ug/l
RT: 10.641 min Scan# 1460
Delta R.T. 0.006 min
Lab File: VN075829.D
Acq: 15 Dec 2022 19:47



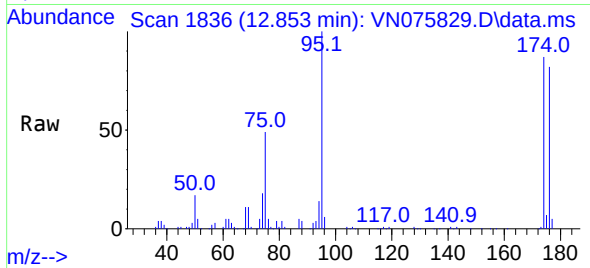
Tgt Ion: 92 Resp: 3407
Ion Ratio Lower Upper
92 100
91 172.7 137.3 205.9





#62
4-Bromofluorobenzene
Concen: 48.680 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.000 min
Lab File: VN075829.D
Acq: 15 Dec 2022 19:47

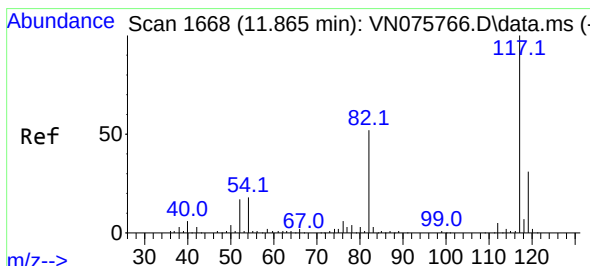
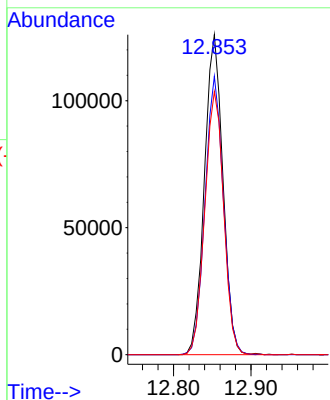
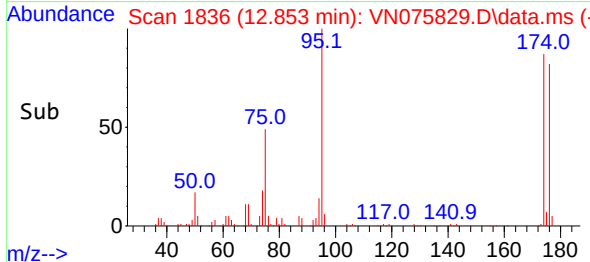
Instrument :
MSVOA_N
ClientSampleId :
DUP120822DL



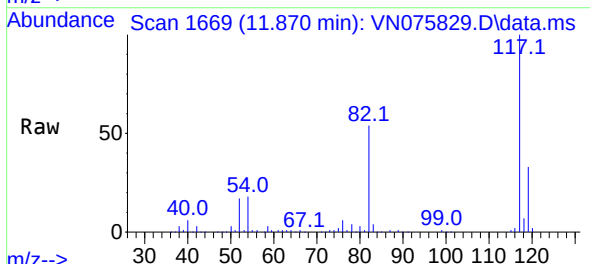
Tgt Ion: 95 Resp: 20841
Ion Ratio Lower Upper
95 100
174 87.0 0.0 171.6
176 83.8 0.0 169.2

Manual Integrations
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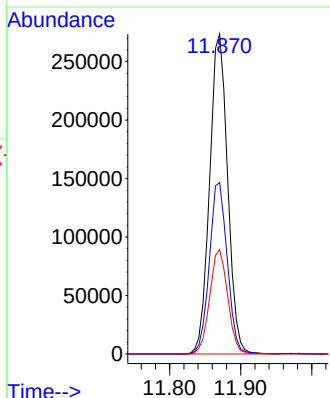
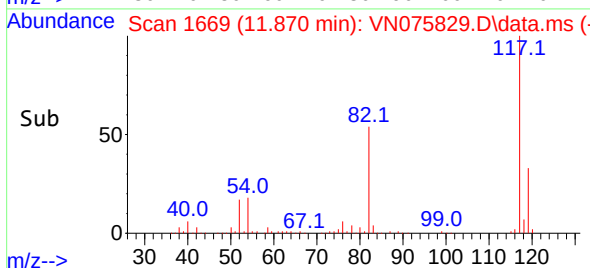
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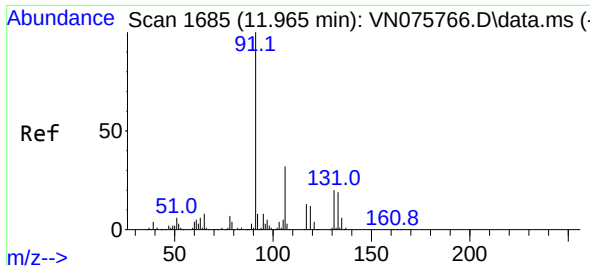


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 1669
Delta R.T. 0.006 min
Lab File: VN075829.D
Acq: 15 Dec 2022 19:47



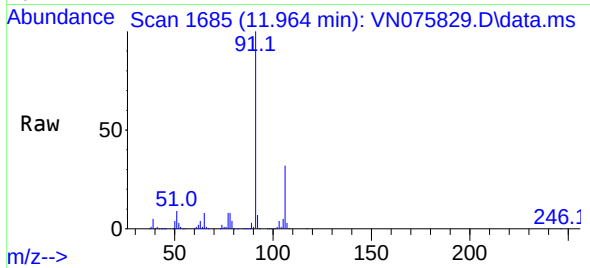
Tgt Ion:117 Resp: 481814
Ion Ratio Lower Upper
117 100
82 53.6 41.3 61.9
119 32.6 24.6 37.0





#67
Ethyl Benzene
Concen: 50.775 ug/l
RT: 11.964 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN075829.D
Acq: 15 Dec 2022 19:47

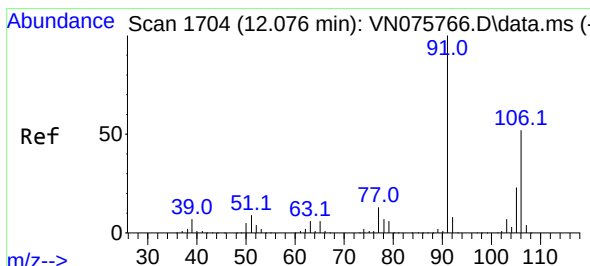
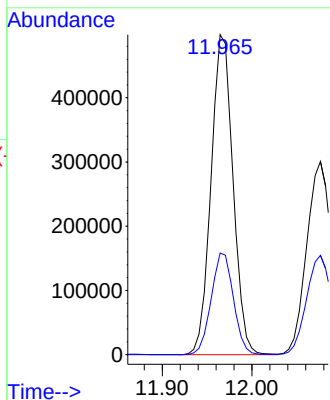
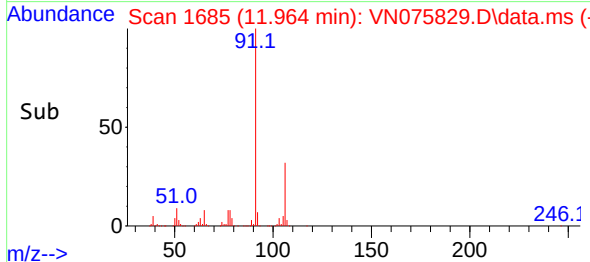
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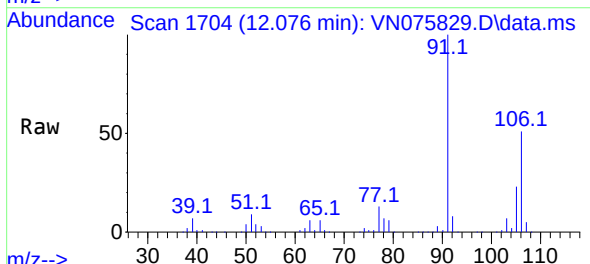
Tgt Ion: 91 Resp: 847440
Ion Ratio Lower Upper
91 100
106 31.7 25.7 38.5

Manual Integrations
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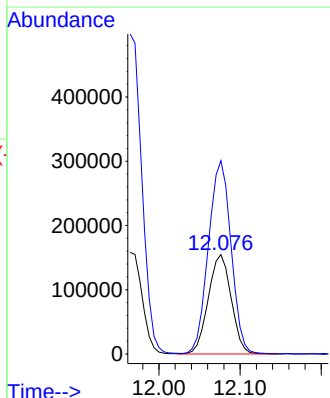
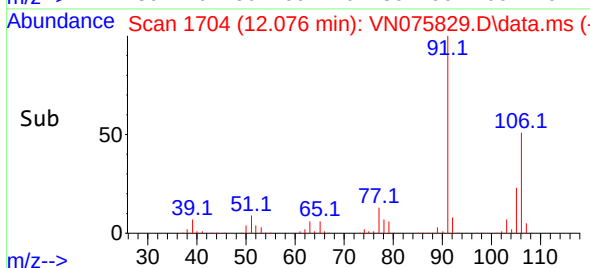
Reviewed By :John Carlone 12/16/2022
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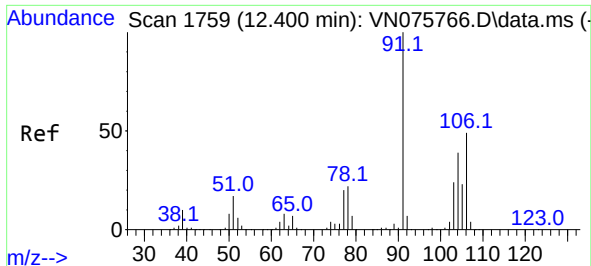


#68
m/p-Xylenes
Concen: 45.864 ug/l
RT: 12.076 min Scan# 1704
Delta R.T. -0.000 min
Lab File: VN075829.D
Acq: 15 Dec 2022 19:47



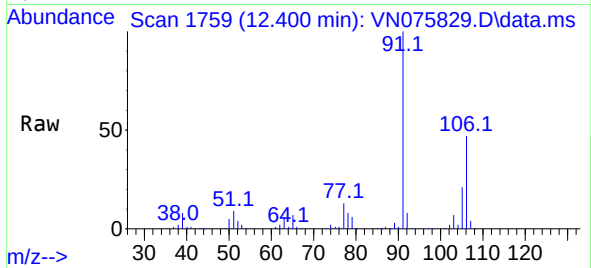
Tgt Ion:106 Resp: 302979
Ion Ratio Lower Upper
106 100
91 192.0 156.6 235.0





#69
o-Xylene
Concen: 21.817 ug/l
RT: 12.400 min Scan# 1759
Delta R.T. -0.000 min
Lab File: VN075829.D
Acq: 15 Dec 2022 19:47

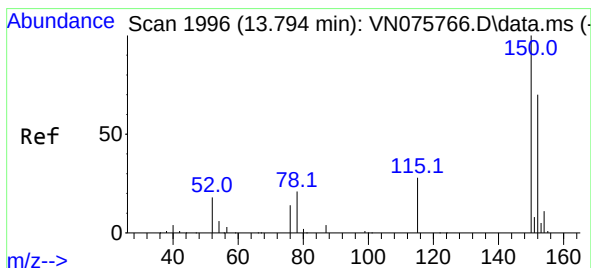
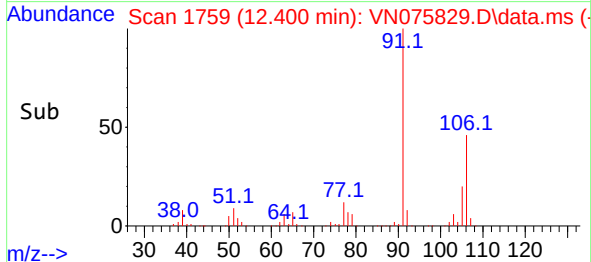
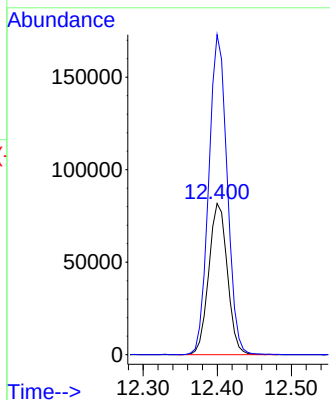
Instrument :
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Tgt Ion:106 Resp: 142629
Ion Ratio Lower Upper
106 100
91 209.3 103.8 311.6

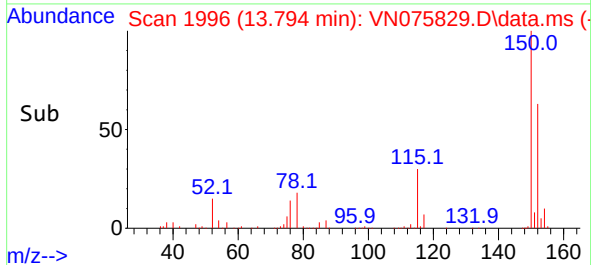
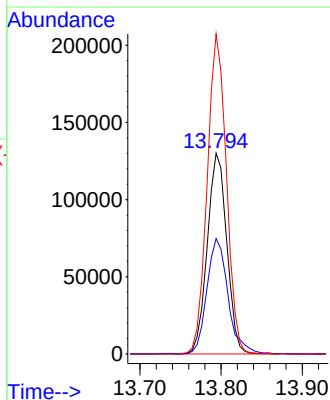
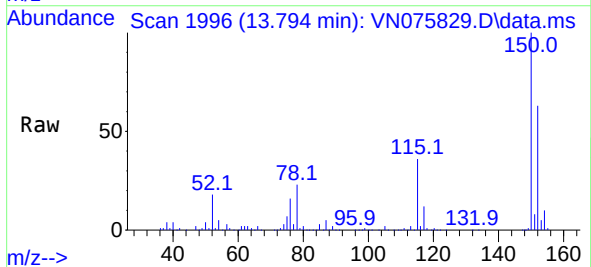
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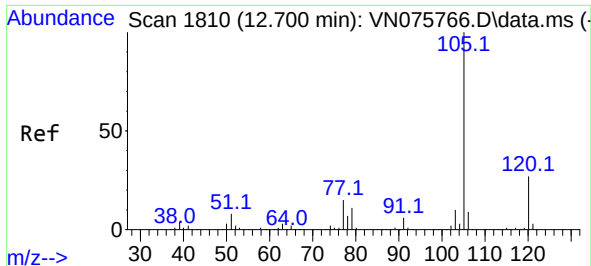
Reviewed By :John Carlone 12/16/2022
Supervised By :Mahesh Dadoda 12/16/2022



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. -0.000 min
Lab File: VN075829.D
Acq: 15 Dec 2022 19:47

Tgt Ion:152 Resp: 216972
Ion Ratio Lower Upper
152 100
115 62.6 29.1 87.4
150 156.8 0.0 347.0





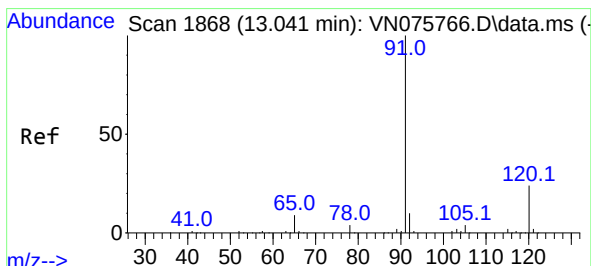
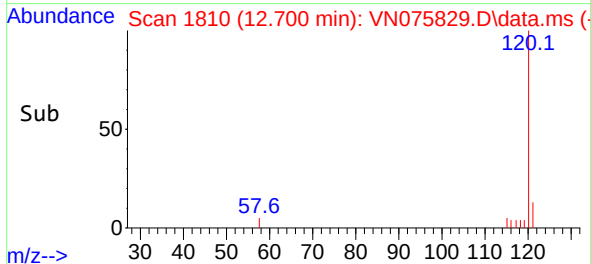
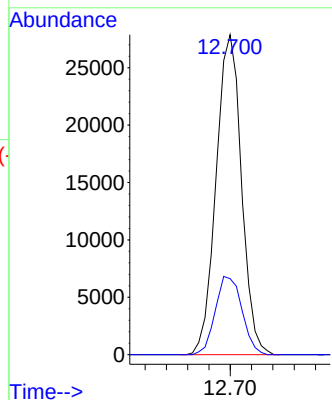
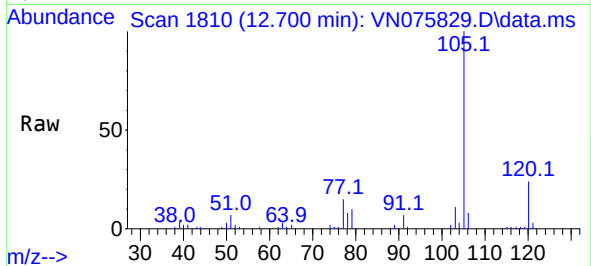
#73
Isopropylbenzene
Concen: 2.938 ug/l
RT: 12.700 min Scan# 1810
Delta R.T. -0.000 min
Lab File: VN075829.D
Acq: 15 Dec 2022 19:47

Instrument :
MSVOA_N
ClientSampleId :
DUP120822DL

Tgt Ion:105 Resp: 4606
Ion Ratio Lower Upper
105 100
120 25.7 13.4 40.2

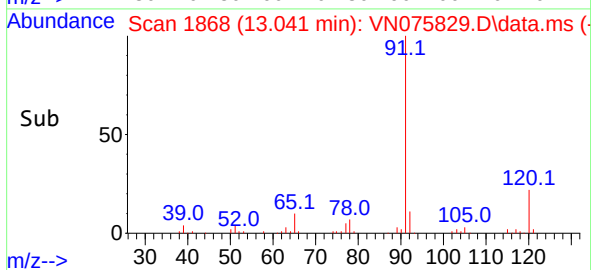
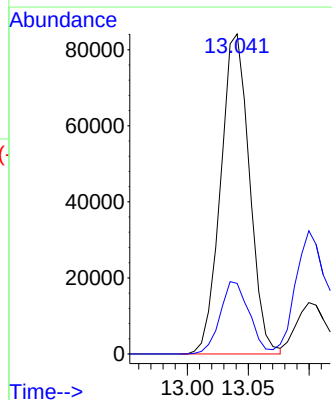
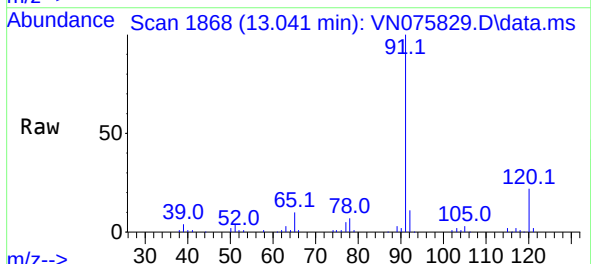
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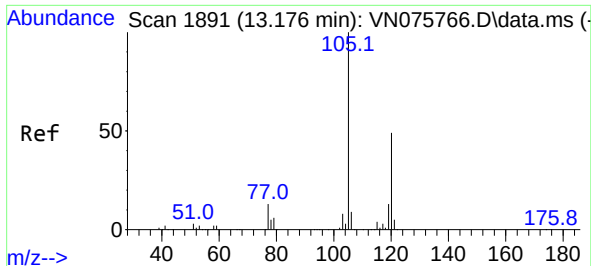
Reviewed By :John Carlone 12/16/2022
Supervised By :Mahesh Dadoda 12/16/2022



#78
n-propylbenzene
Concen: 8.019 ug/l
RT: 13.041 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VN075829.D
Acq: 15 Dec 2022 19:47

Tgt Ion: 91 Resp: 138679
Ion Ratio Lower Upper
91 100
120 22.9 12.0 36.1





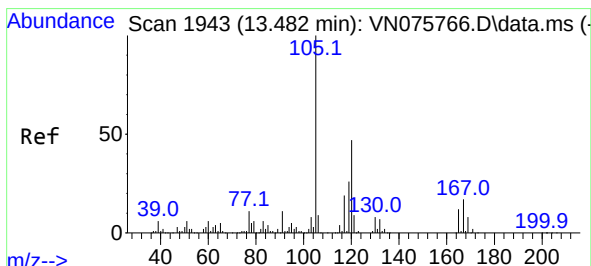
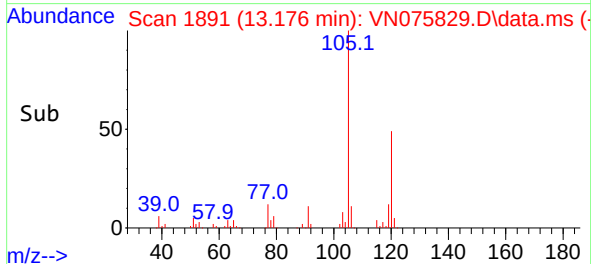
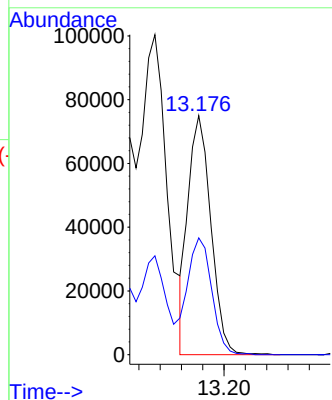
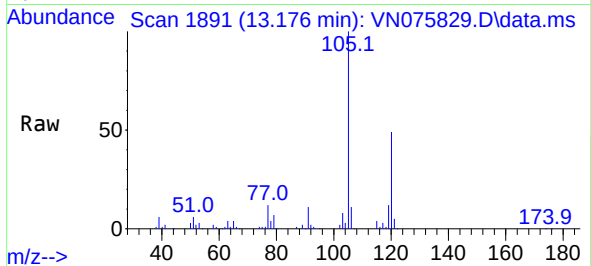
#80
1,3,5-Trimethylbenzene
Concen: 8.502 ug/l
RT: 13.176 min Scan# 11156
Delta R.T. -0.000 min
Lab File: VN075829.D
Acq: 15 Dec 2022 19:47

Instrument :
MSVOA_N
ClientSampleId :
DUP120822DL

Tgt Ion:105 Resp: 11156
Ion Ratio Lower Upper
105 100
120 53.6 24.7 74.1

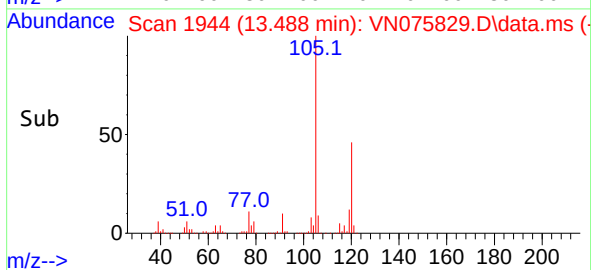
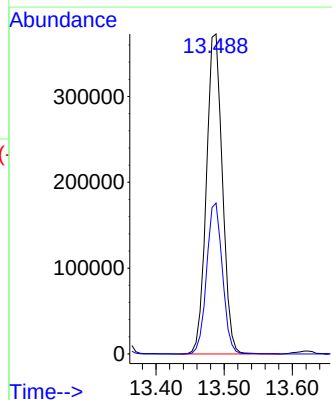
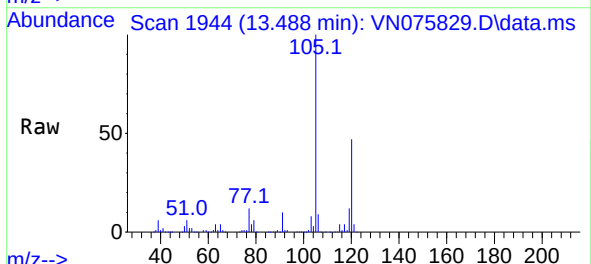
Manual Integrations
APPROVED

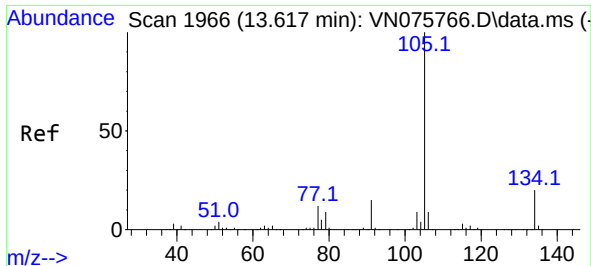
Reviewed By :John Carlone 12/16/2022
Supervised By :Mahesh Dadoda 12/16/2022



#84
1,2,4-Trimethylbenzene
Concen: 46.795 ug/l
RT: 13.488 min Scan# 1944
Delta R.T. 0.006 min
Lab File: VN075829.D
Acq: 15 Dec 2022 19:47

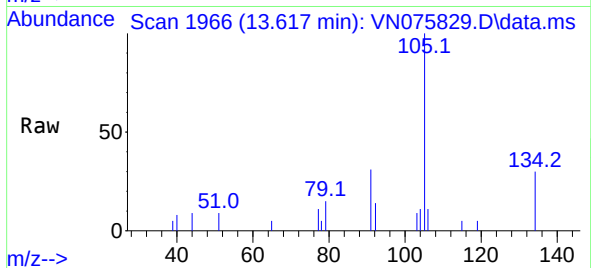
Tgt Ion:105 Resp: 609195
Ion Ratio Lower Upper
105 100
120 46.6 23.3 69.8





#85
sec-Butylbenzene
Concen: 0.395 ug/l m
RT: 13.617 min Scan# 1966
Delta R.T. -0.000 min
Lab File: VN075829.D
Acq: 15 Dec 2022 19:47

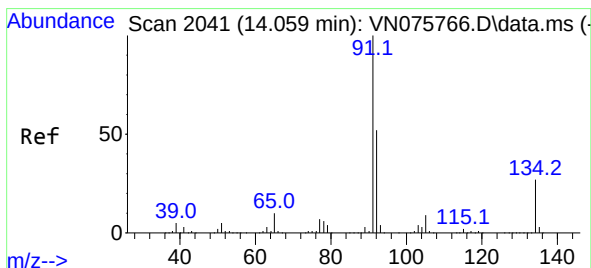
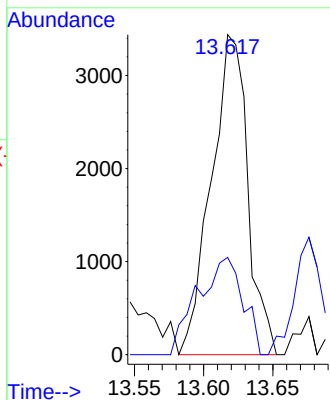
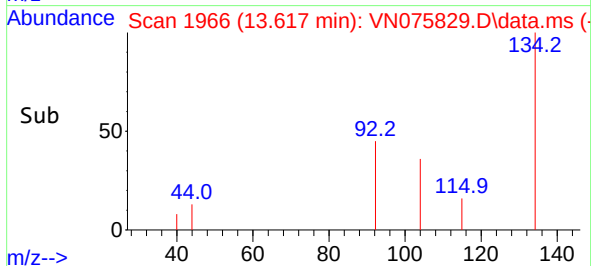
Instrument :
MSVOA_N
ClientSampleId :
DUP120822DL



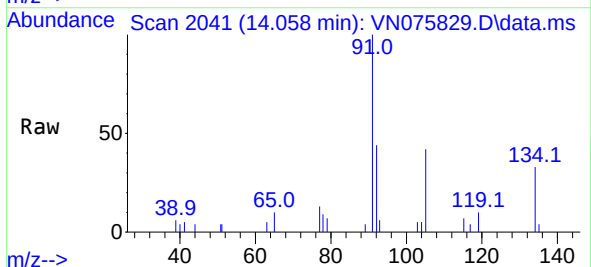
Tgt Ion:105 Resp: 630
Ion Ratio Lower Upper
105 100
134 0.0 10.1 30.1

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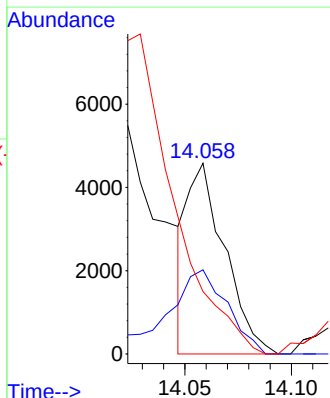
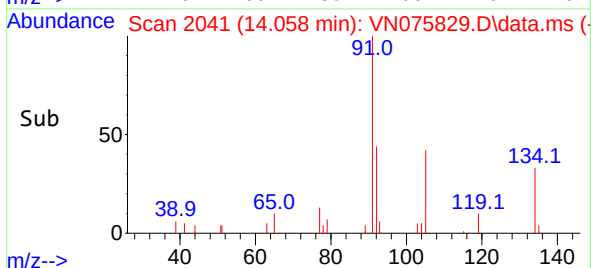
Reviewed By :John Carlone 12/16/2022
Supervised By :Mahesh Dadoda 12/16/2022

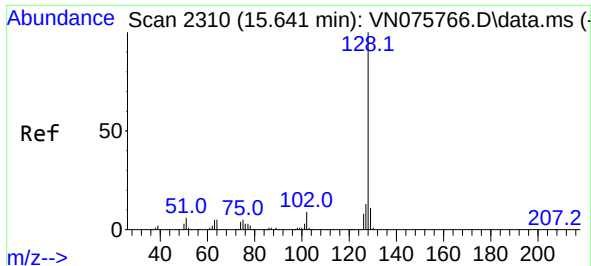


#89
n-Butylbenzene
Concen: 0.518 ug/l
RT: 14.058 min Scan# 2041
Delta R.T. -0.000 min
Lab File: VN075829.D
Acq: 15 Dec 2022 19:47



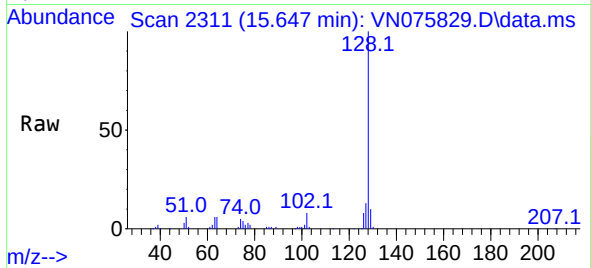
Tgt Ion: 91 Resp: 5573
Ion Ratio Lower Upper
91 100
92 64.4 26.4 79.2
134 0.0 13.4 40.2





#95
Naphthalene
Concen: 17.591 ug/l
RT: 15.647 min Scan# 21
Delta R.T. 0.006 min
Lab File: VN075829.D
Acq: 15 Dec 2022 19:47

Instrument :
MSVOA_N
ClientSampleId :
DUP120822DL



Tgt Ion:128 Resp: 19030
Ion Ratio Lower Upper
128 100
127 12.5 10.4 15.6
129 10.6 8.7 13.1

Manual Integrations
APPROVED

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

