

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121622\
 Data File : VN075855.D
 Acq On : 16 Dec 2022 18:14
 Operator : JC\MD
 Sample : N6096-07
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 34258

Manual Integrations
 APPROVED

Reviewed By :John Carlone 12/19/2022
 Supervised By :Mahesh Dadoda 12/19/2022

Quant Time: Dec 17 08:42:44 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	8.230	168	378608	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	602056	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	525392	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	227463	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	198353	48.157	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	96.320%		
35) Dibromofluoromethane	8.177	113	181328	48.634	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	97.260%		
50) Toluene-d8	10.571	98	699297	50.164	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	100.320%		
62) 4-Bromofluorobenzene	12.853	95	218652	47.356	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	94.720%		
Target Compounds					Qvalue	
16) Acetone	4.442	43	862490	607.445	ug/l	100
19) Methyl tert-butyl Ether	5.818	73	10706	0.969	ug/l #	79
25) 2-Butanone	7.494	43	11490	5.779	ug/l	98
39) Methylcyclohexane	9.612	83	7038	1.178	ug/l	96
40) Benzene	8.612	78	37051	2.425	ug/l #	88
51) 4-Methyl-2-Pentanone	10.447	43	5952	1.500	ug/l	99
52) Toluene	10.635	92	1188863	119.456	ug/l	99
67) Ethyl Benzene	11.971	91	25932	1.425	ug/l #	84
68) m/p-Xylenes	12.082	106	10378	1.441	ug/l	99
69) o-Xylene	12.400	106	101616	14.255	ug/l	100
73) Isopropylbenzene	12.694	105	4901	0.298	ug/l	96
78) n-propylbenzene	13.035	91	7451	0.411	ug/l	98
80) 1,3,5-Trimethylbenzene	13.176	105	64333	4.676	ug/l	99
84) 1,2,4-Trimethylbenzene	13.488	105	12640	0.926	ug/l	97
85) sec-Butylbenzene	13.618	105	4221	0.252	ug/l	89
86) p-Isopropyltoluene	13.735	119	4997	0.359	ug/l	92
89) n-Butylbenzene	14.059	91	3046m	0.270	ug/l	
95) Naphthalene	15.647	128	47124	5.818	ug/l #	97

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

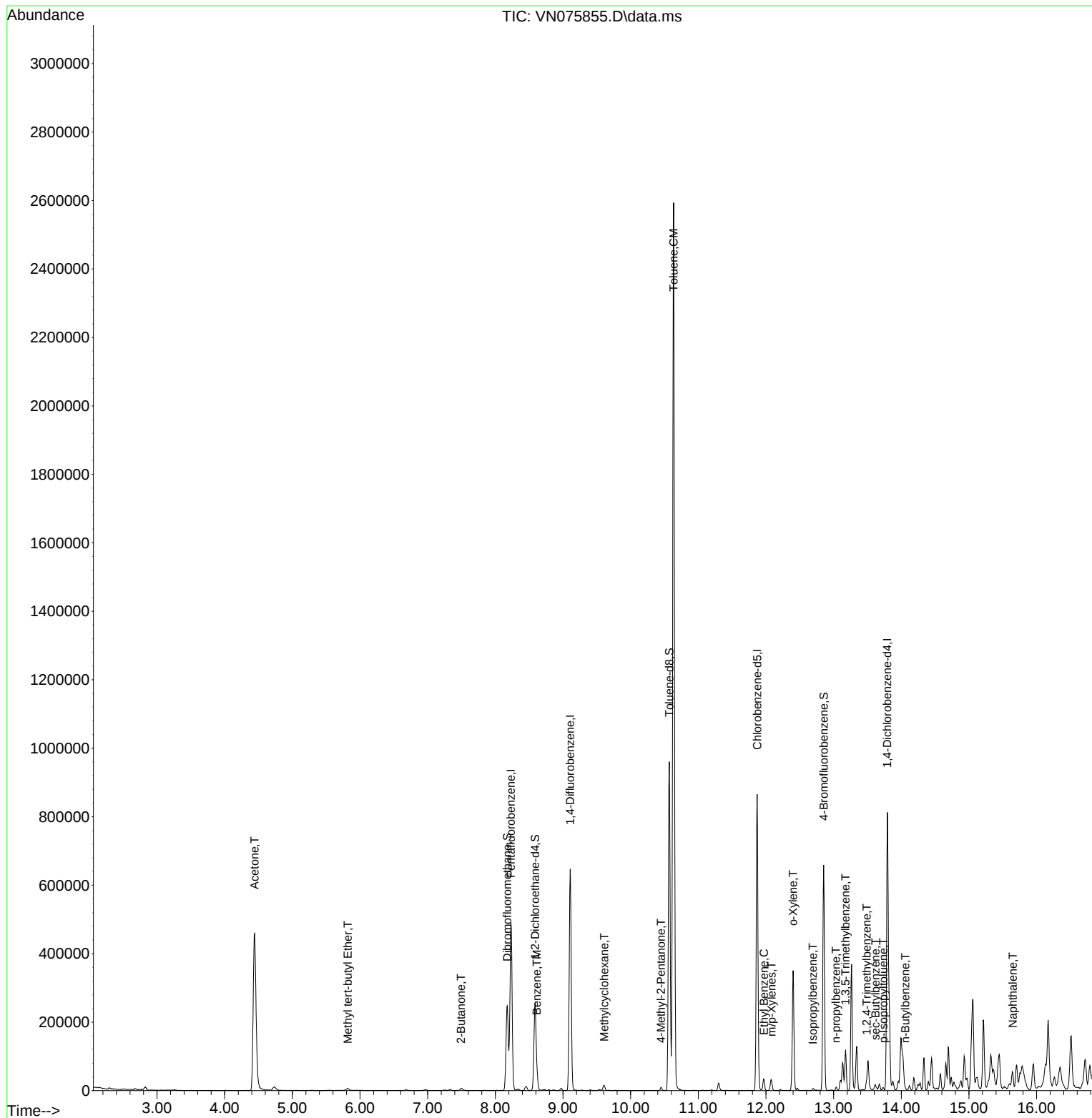
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121622\
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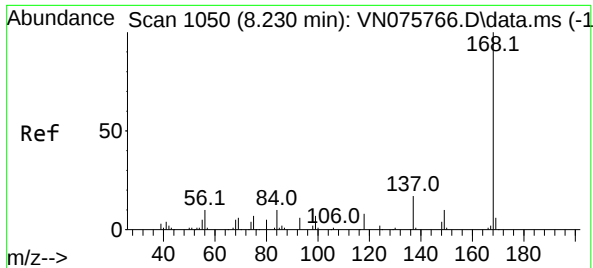
Instrument :
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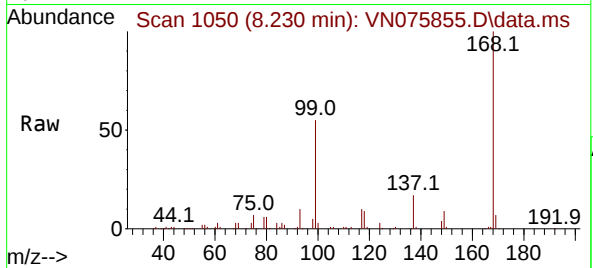
Quant Time: Dec 17 08:42:44 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121422W.M
Quant Title : SW846 8260
QLast Update : Wed Dec 14 13:03:41 2022
Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.000 min
Lab File: VN075855.D
Acq: 16 Dec 2022 18:14

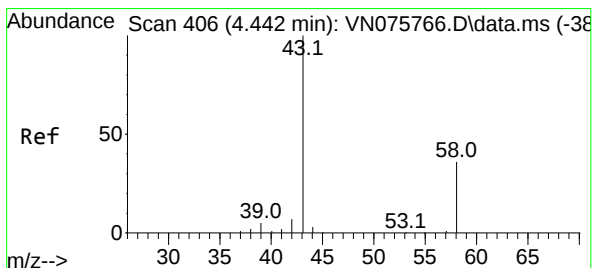
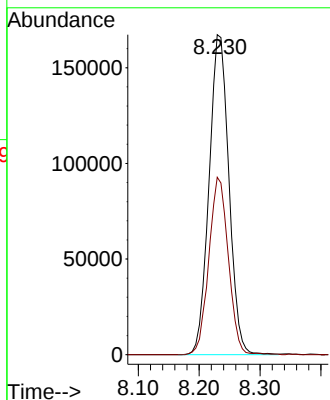
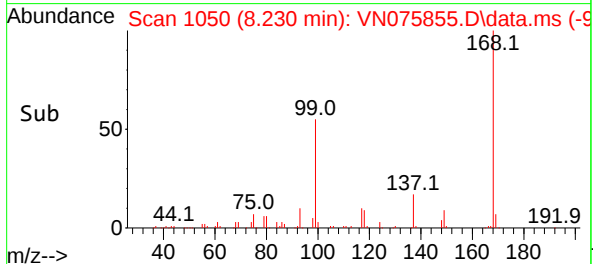
Instrument :
MSVOA_N
ClientSampleId :
34258



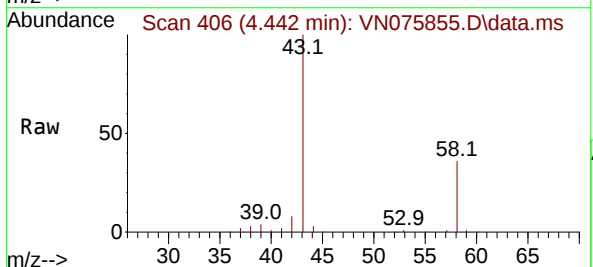
Tgt Ion:168 Resp: 378608
Ion Ratio Lower Upper
168 100
99 55.4 44.2 66.4

Manual Integrations
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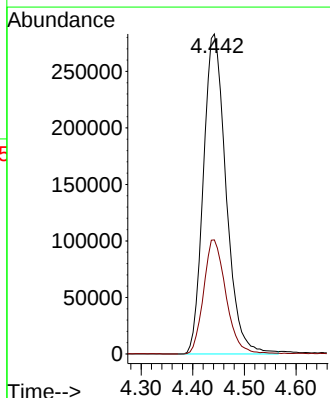
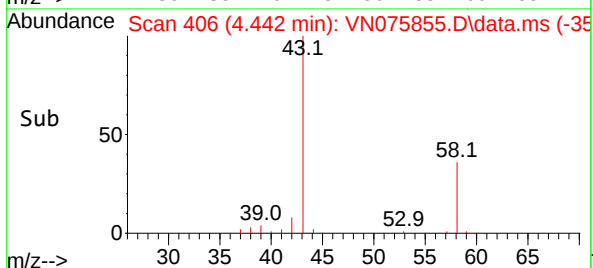
Reviewed By :John Carlone 12/19/2022
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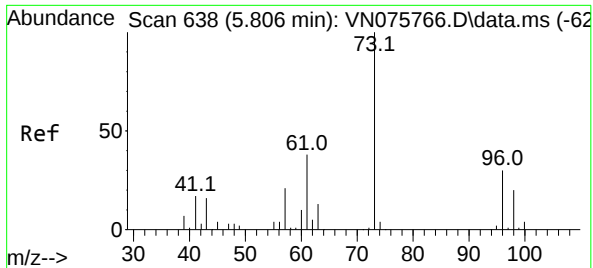


#16
Acetone
Concen: 607.445 ug/l
RT: 4.442 min Scan# 406
Delta R.T. 0.000 min
Lab File: VN075855.D
Acq: 16 Dec 2022 18:14



Tgt Ion: 43 Resp: 862490
Ion Ratio Lower Upper
43 100
58 35.6 28.6 43.0





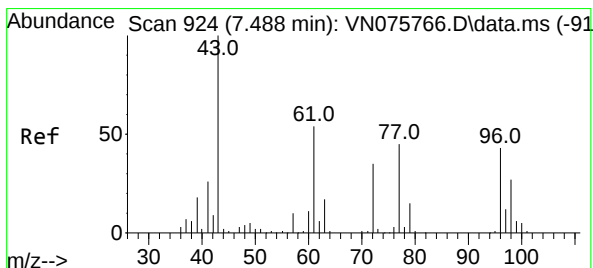
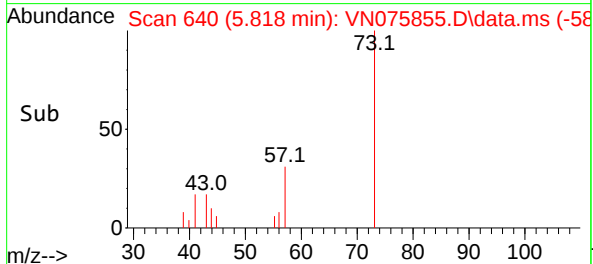
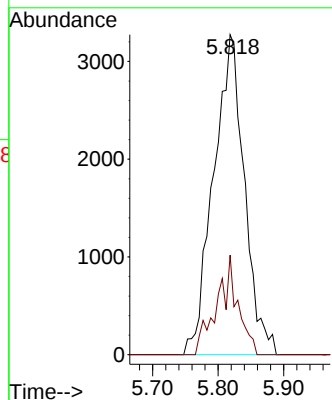
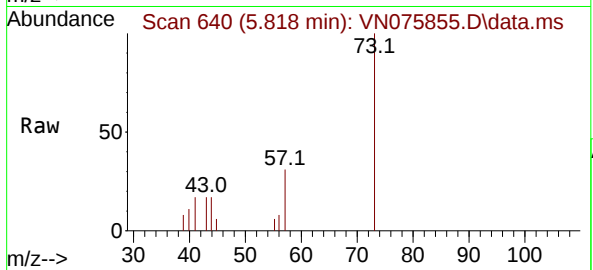
#19
Methyl tert-butyl Ether
Concen: 0.969 ug/l
RT: 5.818 min Scan# 640
Delta R.T. 0.012 min
Lab File: VN075855.D
Acq: 16 Dec 2022 18:14

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MSVOA_N
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Tgt Ion: 73 Resp: 10700
Ion Ratio Lower Upper
73 100
57 31.1 17.1 25.7

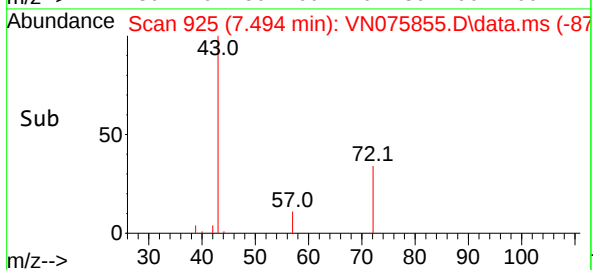
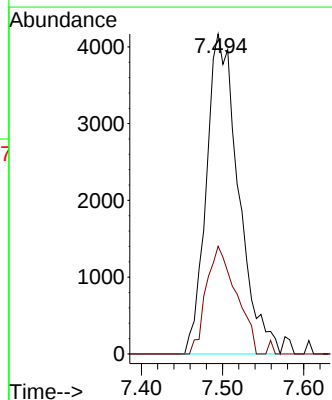
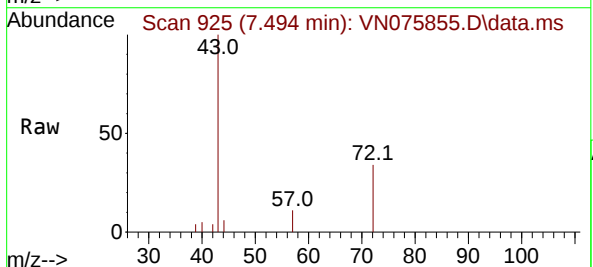
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#25
2-Butanone
Concen: 5.779 ug/l
RT: 7.494 min Scan# 925
Delta R.T. 0.006 min
Lab File: VN075855.D
Acq: 16 Dec 2022 18:14

Tgt Ion: 43 Resp: 11490
Ion Ratio Lower Upper
43 100
72 33.7 28.0 42.0





#33

1,2-Dichloroethane-d4

Concen: 48.157 ug/l

RT: 8.588 min Scan# 1111

Delta R.T. 0.006 min

Lab File: VN075855.D

Acq: 16 Dec 2022 18:14

Instrument :

MSVOA_N

ClientSampleId :

34258

Tgt Ion: 65 Resp: 19835

Ion Ratio Lower Upper

65 100

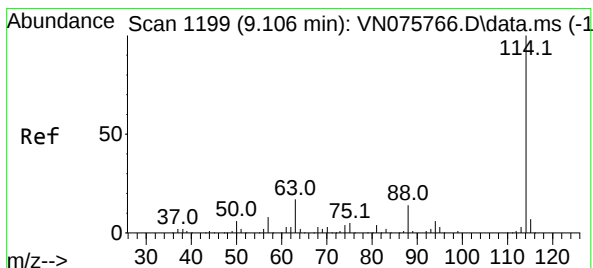
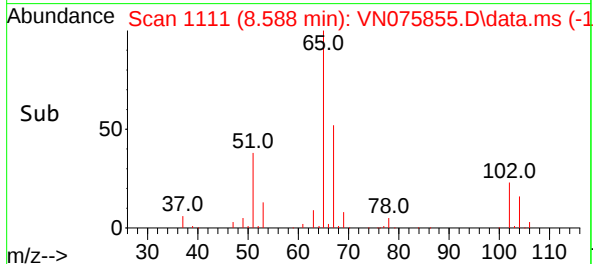
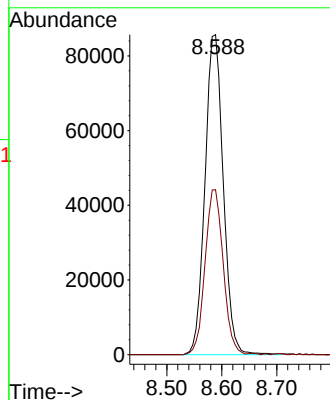
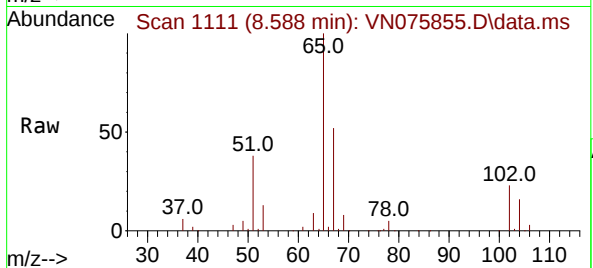
67 51.2 0.0 103.4

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1199

Delta R.T. 0.000 min

Lab File: VN075855.D

Acq: 16 Dec 2022 18:14

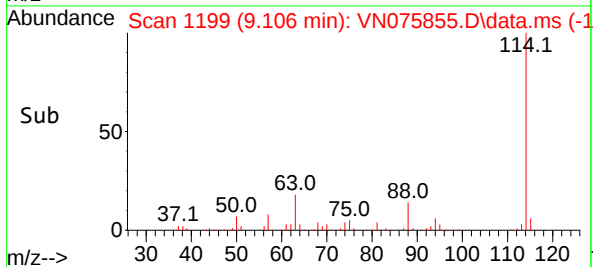
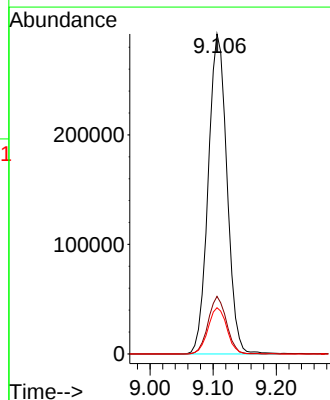
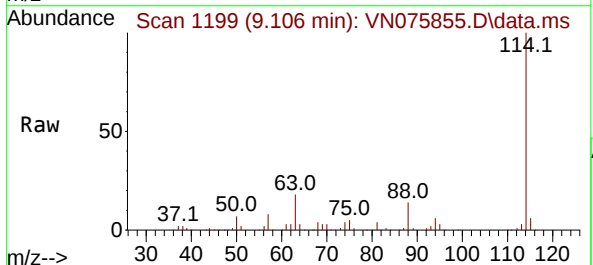
Tgt Ion:114 Resp: 602056

Ion Ratio Lower Upper

114 100

63 18.0 0.0 34.4

88 14.4 0.0 28.8





#35

Dibromofluoromethane

Concen: 48.634 ug/l

RT: 8.177 min Scan# 1041

Delta R.T. 0.006 min

Lab File: VN075855.D

Acq: 16 Dec 2022 18:14

Instrument :

MSVOA_N

ClientSampleId :

34258

Tgt Ion:113 Resp: 181328

Ion Ratio Lower Upper

113 100

111 101.0 83.4 125.2

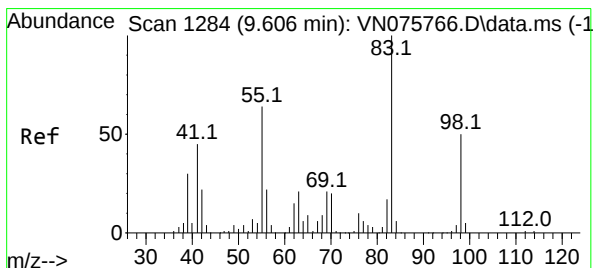
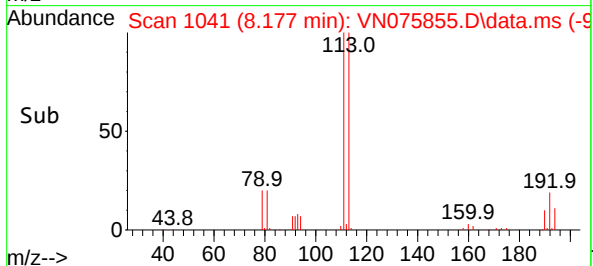
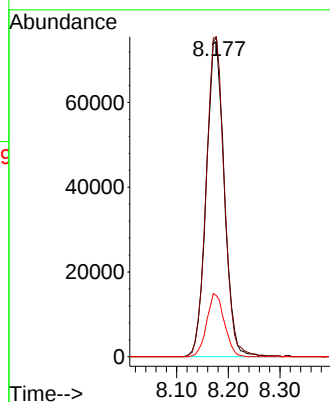
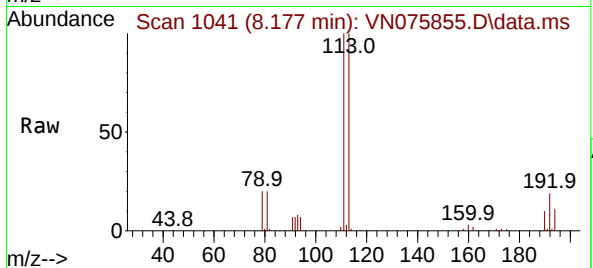
192 19.5 16.1 24.1

Manual Integrations

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#39

Methylcyclohexane

Concen: 1.178 ug/l

RT: 9.612 min Scan# 1285

Delta R.T. 0.006 min

Lab File: VN075855.D

Acq: 16 Dec 2022 18:14

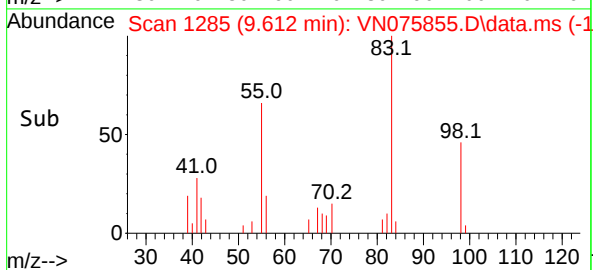
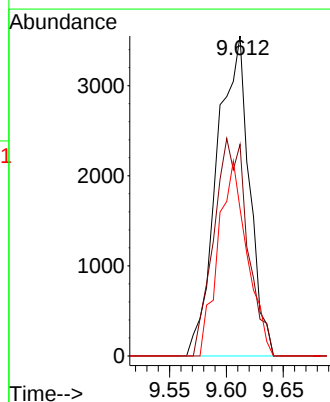
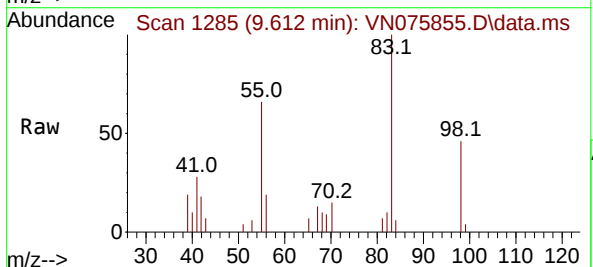
Tgt Ion: 83 Resp: 7038

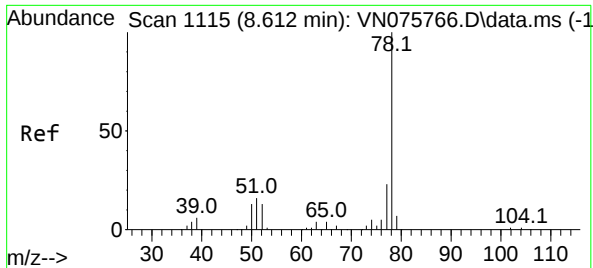
Ion Ratio Lower Upper

83 100

55 66.1 51.4 77.0

98 46.0 39.8 59.8





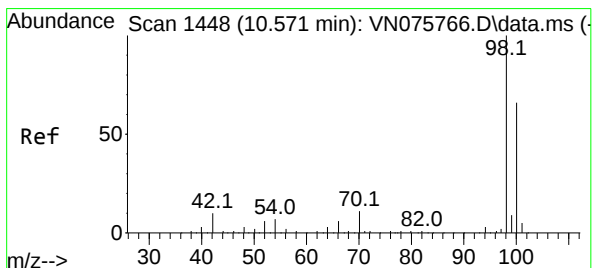
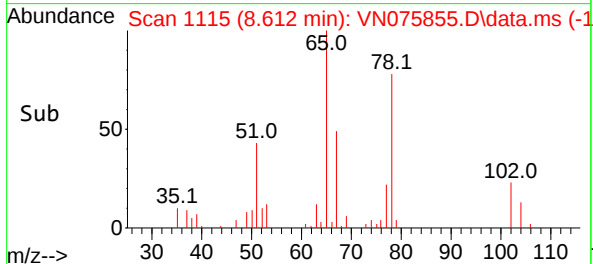
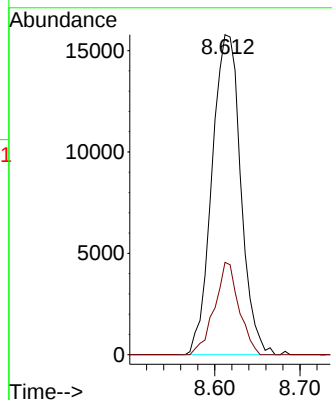
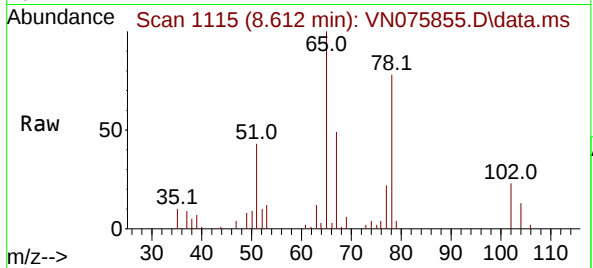
#40
Benzene
Concen: 2.425 ug/l
RT: 8.612 min Scan# 1115
Delta R.T. 0.000 min
Lab File: VN075855.D
Acq: 16 Dec 2022 18:14

Instrument :
MSVOA_N
ClientSampleId :
34258

Tgt Ion: 78 Resp: 3705
Ion Ratio Lower Upper
78 100
77 28.9 18.5 27.7

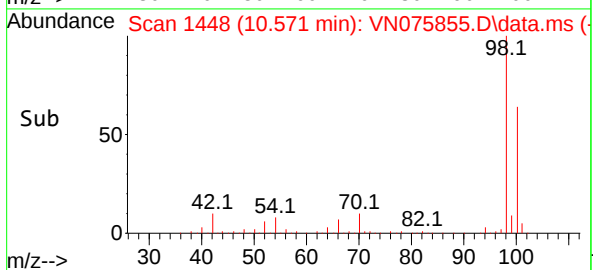
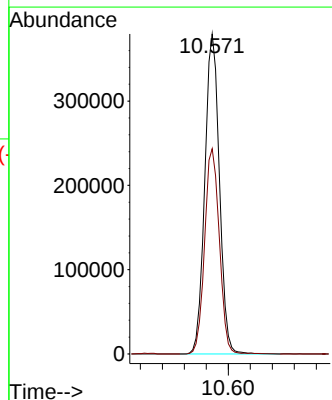
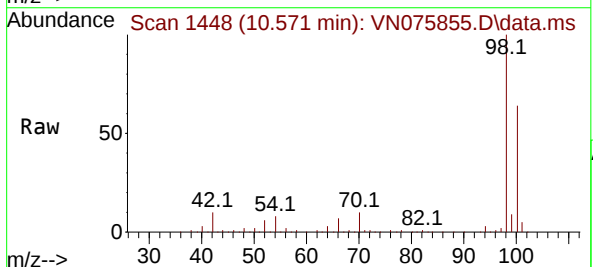
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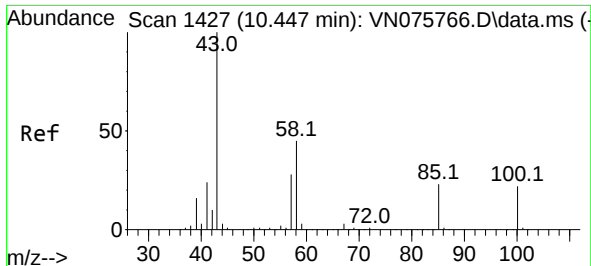
Reviewed By :John Carlone 12/19/2022
Supervised By :Mahesh Dadoda 12/19/2022



#50
Toluene-d8
Concen: 50.164 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. 0.000 min
Lab File: VN075855.D
Acq: 16 Dec 2022 18:14

Tgt Ion: 98 Resp: 699297
Ion Ratio Lower Upper
98 100
100 64.7 52.1 78.1





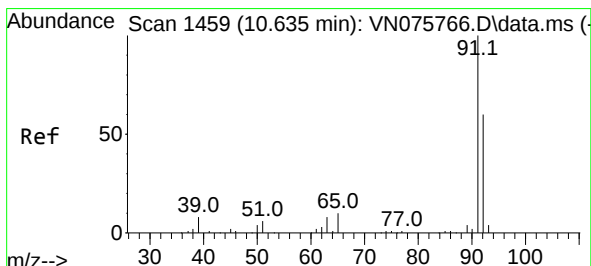
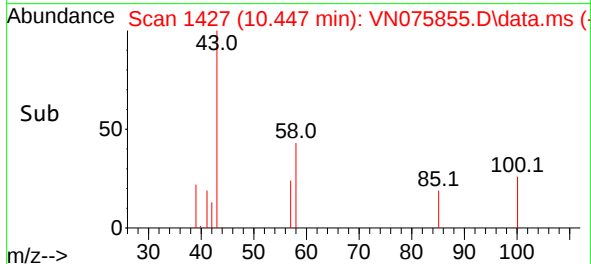
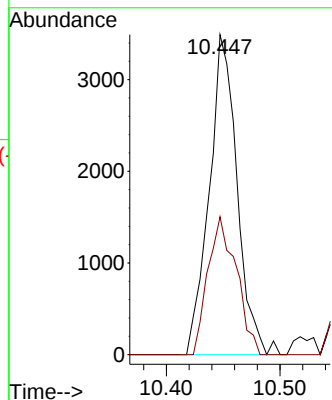
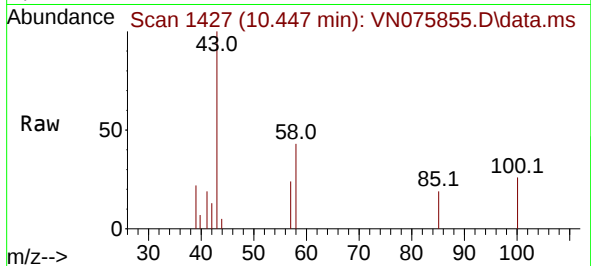
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4-Methyl-2-Pentanone
Concen: 1.500 ug/l
RT: 10.447 min Scan# 1427
Delta R.T. 0.000 min
Lab File: VN075855.D
Acq: 16 Dec 2022 18:14

Instrument :
MSVOA_N
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34258

Tgt Ion: 43 Resp: 5952
Ion Ratio Lower Upper
43 100
58 44.0 35.5 53.3

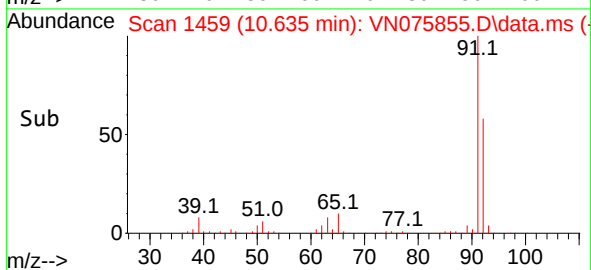
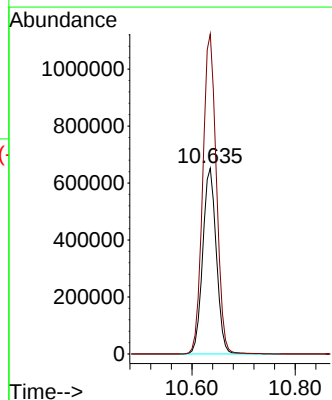
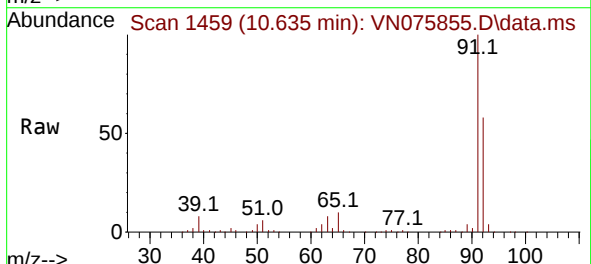
Manual Integrations
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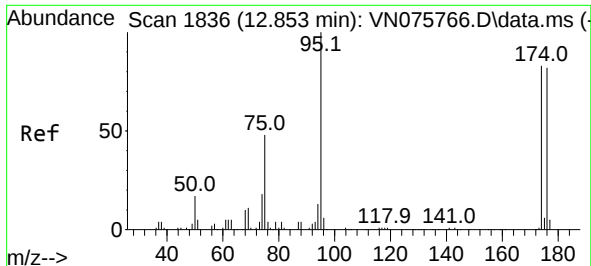
Reviewed By :John Carlone 12/19/2022
Supervised By :Mahesh Dadoda 12/19/2022



#52
Toluene
Concen: 119.456 ug/l
RT: 10.635 min Scan# 1459
Delta R.T. 0.000 min
Lab File: VN075855.D
Acq: 16 Dec 2022 18:14

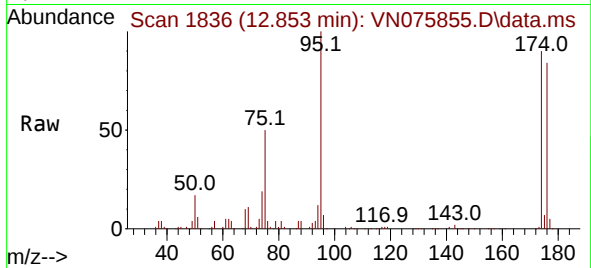
Tgt Ion: 92 Resp: 1188863
Ion Ratio Lower Upper
92 100
91 173.0 137.3 205.9





#62
4-Bromofluorobenzene
Concen: 47.356 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.000 min
Lab File: VN075855.D
Acq: 16 Dec 2022 18:14

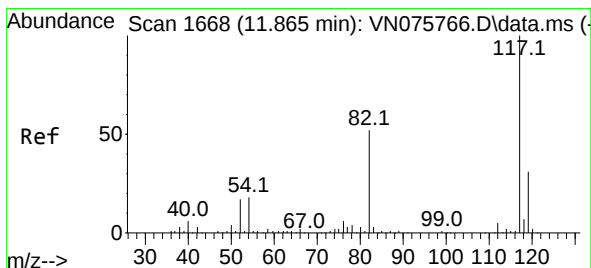
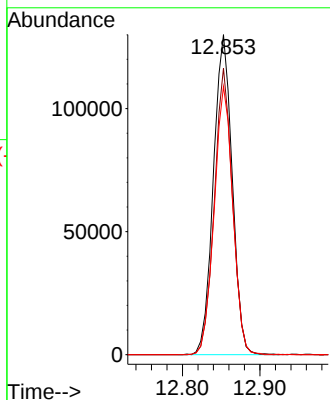
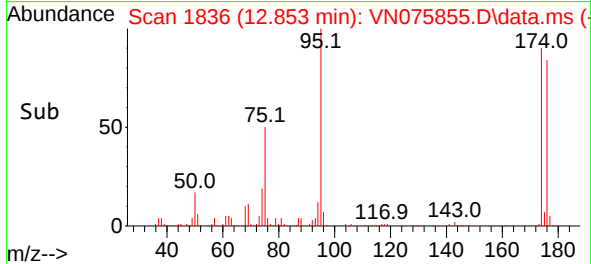
Instrument :
MSVOA_N
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34258



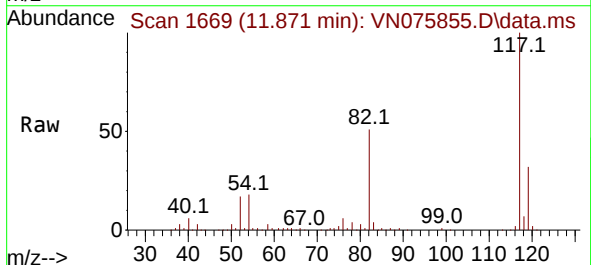
Tgt Ion: 95 Resp: 218652
Ion Ratio Lower Upper
95 100
174 86.4 0.0 171.6
176 83.5 0.0 169.2

Manual Integrations
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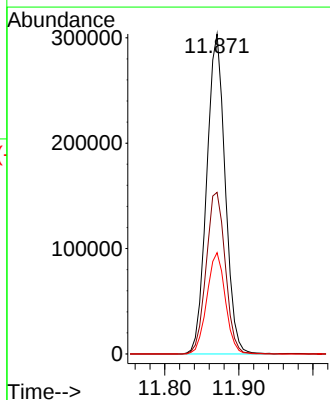
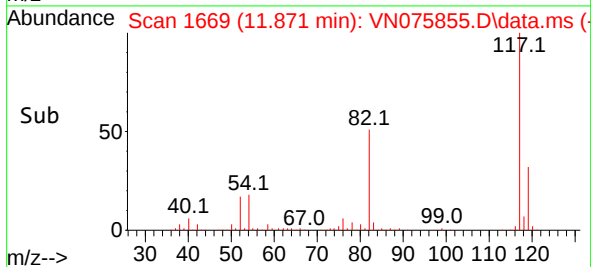
Reviewed By :John Carlone 12/19/2022
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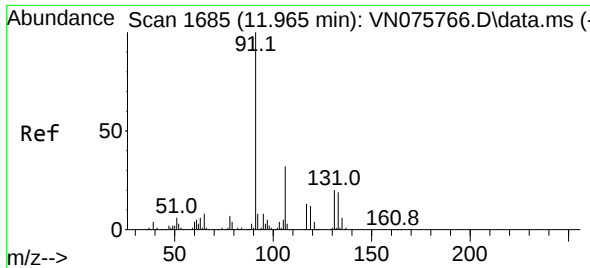


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1669
Delta R.T. 0.006 min
Lab File: VN075855.D
Acq: 16 Dec 2022 18:14



Tgt Ion:117 Resp: 525392
Ion Ratio Lower Upper
117 100
82 50.5 41.3 61.9
119 31.6 24.6 37.0





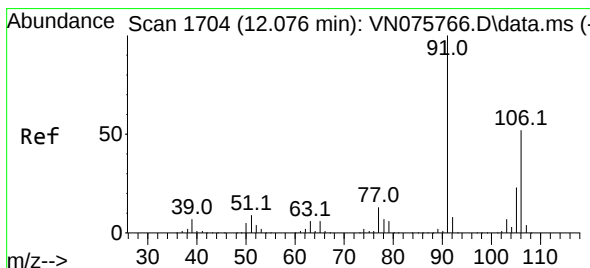
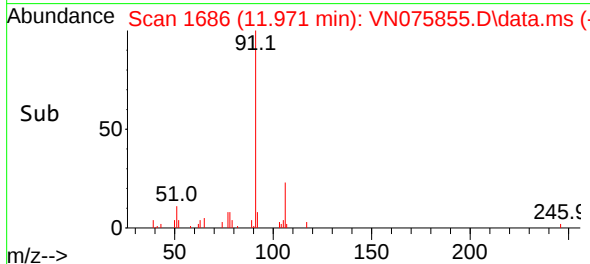
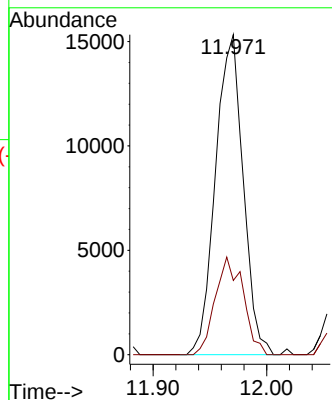
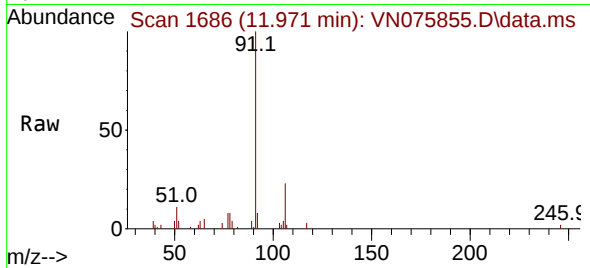
#67
Ethyl Benzene
Concen: 1.425 ug/l
RT: 11.971 min Scan# 1686
Delta R.T. 0.006 min
Lab File: VN075855.D
Acq: 16 Dec 2022 18:14

Instrument :
MSVOA_N
ClientSampleId :
34258

Tgt Ion: 91 Resp: 25932
Ion Ratio Lower Upper
91 100
106 23.2 25.7 38.5

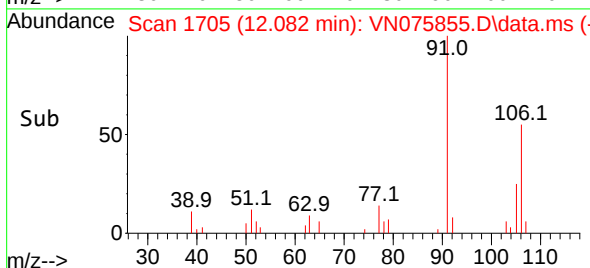
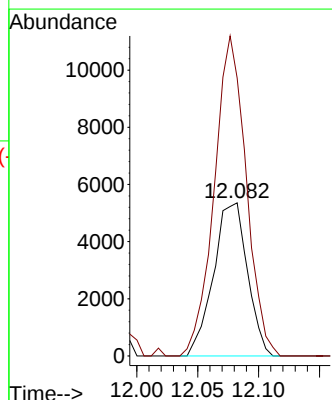
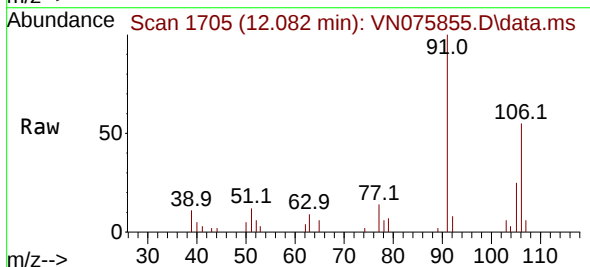
Manual Integrations
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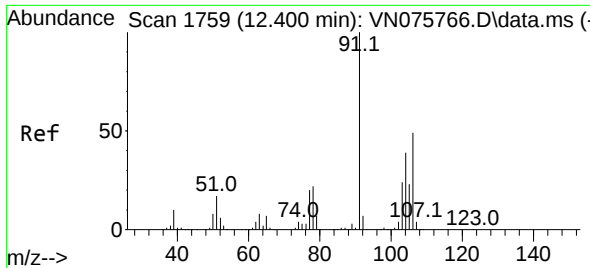
Reviewed By :John Carlone 12/19/2022
Supervised By :Mahesh Dadoda 12/19/2022



#68
m/p-Xylenes
Concen: 1.441 ug/l
RT: 12.082 min Scan# 1705
Delta R.T. 0.006 min
Lab File: VN075855.D
Acq: 16 Dec 2022 18:14

Tgt Ion:106 Resp: 10378
Ion Ratio Lower Upper
106 100
91 196.8 156.6 235.0





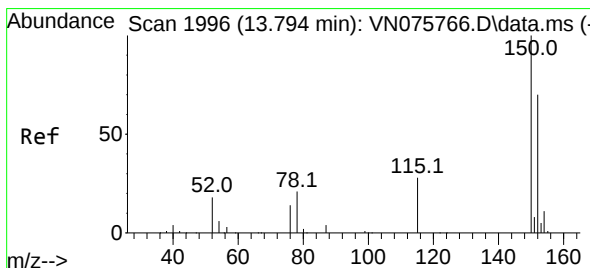
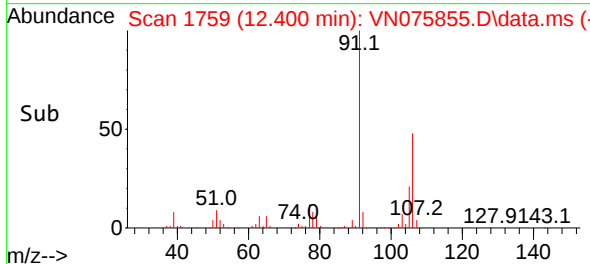
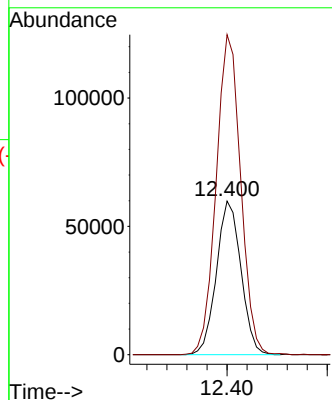
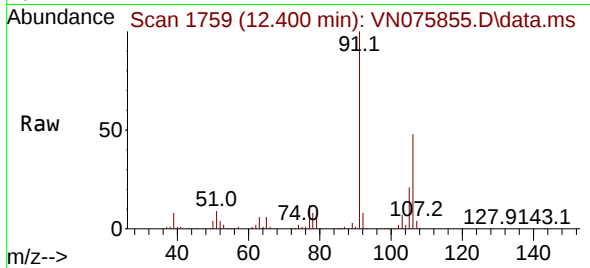
#69
o-Xylene
Concen: 14.255 ug/l
RT: 12.400 min Scan# 1759
Delta R.T. 0.000 min
Lab File: VN075855.D
Acq: 16 Dec 2022 18:14

Instrument :
MSVOA_N
ClientSampleId :
34258

Tgt Ion:106 Resp: 101610
Ion Ratio Lower Upper
106 100
91 208.4 103.8 311.6

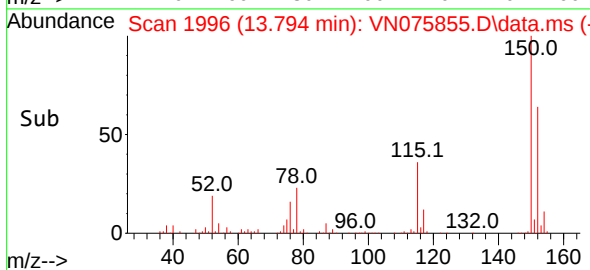
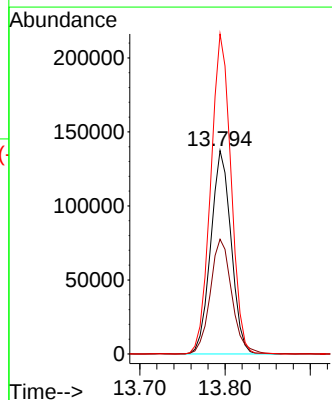
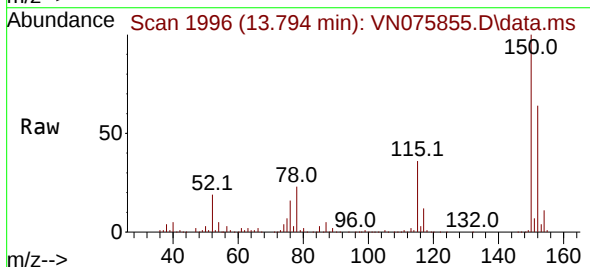
Manual Integrations
APPROVED

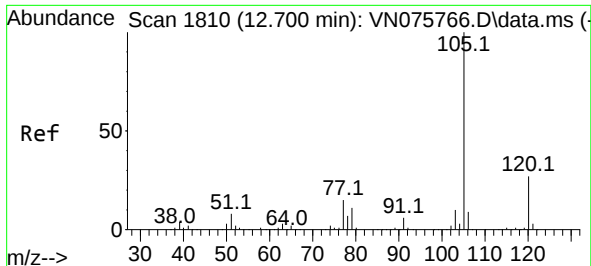
Reviewed By :John Carlone 12/19/2022
Supervised By :Mahesh Dadoda 12/19/2022



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. 0.000 min
Lab File: VN075855.D
Acq: 16 Dec 2022 18:14

Tgt Ion:152 Resp: 227463
Ion Ratio Lower Upper
152 100
115 59.9 29.1 87.4
150 156.8 0.0 347.0





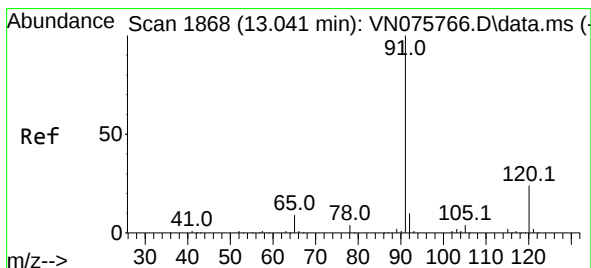
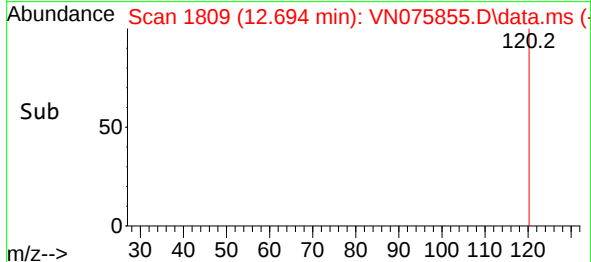
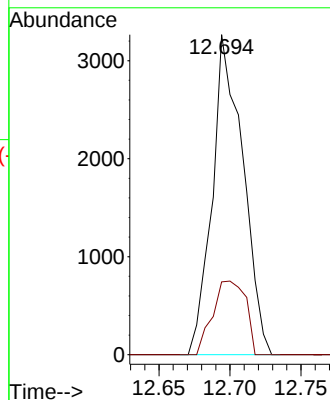
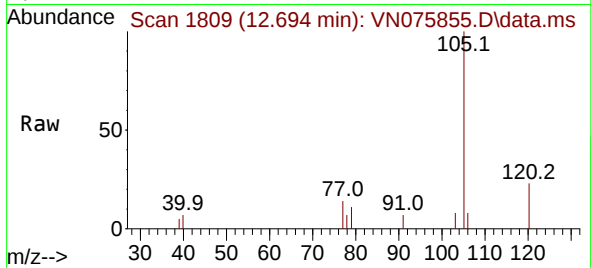
#73
Isopropylbenzene
Concen: 0.298 ug/l
RT: 12.694 min Scan# 1809
Delta R.T. -0.006 min
Lab File: VN075855.D
Acq: 16 Dec 2022 18:14

Instrument :
MSVOA_N
ClientSampleId :
34258

Tgt Ion:105 Resp: 490
Ion Ratio Lower Upper
105 100
120 24.7 13.4 40.2

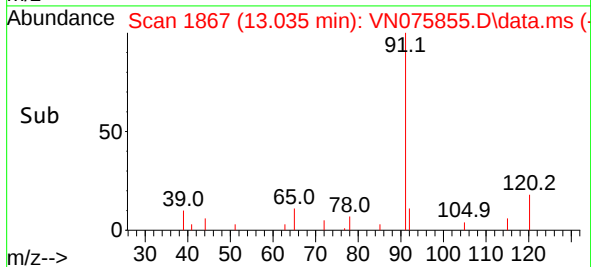
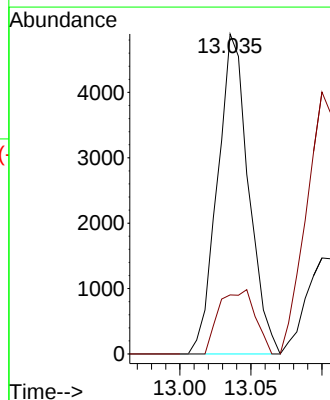
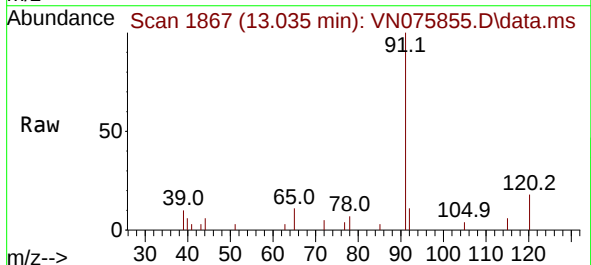
Manual Integrations
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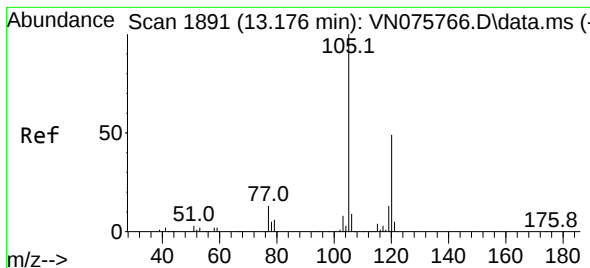
Reviewed By :John Carlone 12/19/2022
Supervised By :Mahesh Dadoda 12/19/2022



#78
n-propylbenzene
Concen: 0.411 ug/l
RT: 13.035 min Scan# 1867
Delta R.T. -0.006 min
Lab File: VN075855.D
Acq: 16 Dec 2022 18:14

Tgt Ion: 91 Resp: 7451
Ion Ratio Lower Upper
91 100
120 23.3 12.0 36.1





#80

1,3,5-Trimethylbenzene

Concen: 4.676 ug/l

RT: 13.176 min Scan# 1891

Delta R.T. 0.000 min

Lab File: VN075855.D

Acq: 16 Dec 2022 18:14

Instrument :

MSVOA_N

ClientSampleId :

34258

Tgt Ion:105 Resp: 6433

Ion Ratio Lower Upper

105 100

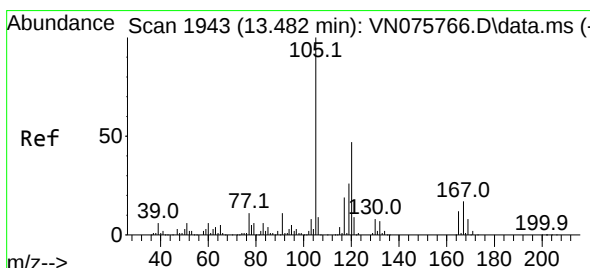
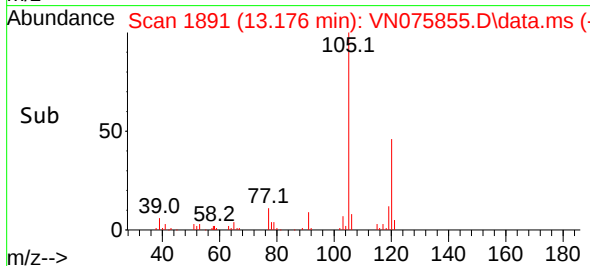
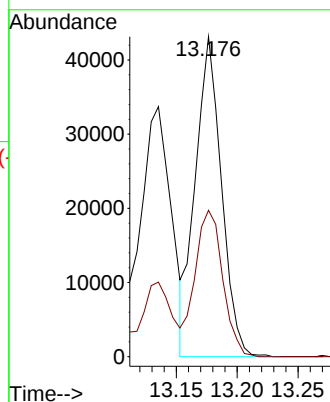
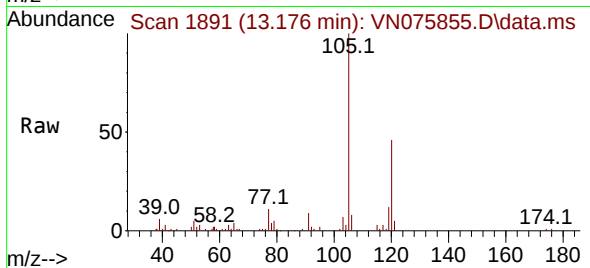
120 48.7 24.7 74.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/19/2022

Supervised By :Mahesh Dadoda 12/19/2022



#84

1,2,4-Trimethylbenzene

Concen: 0.926 ug/l

RT: 13.488 min Scan# 1944

Delta R.T. 0.006 min

Lab File: VN075855.D

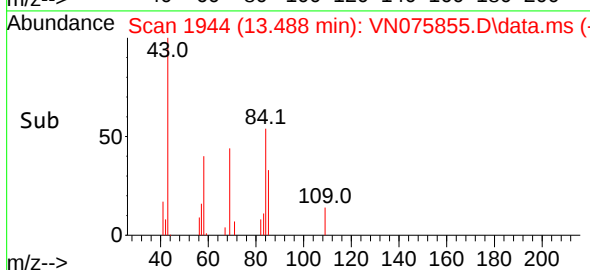
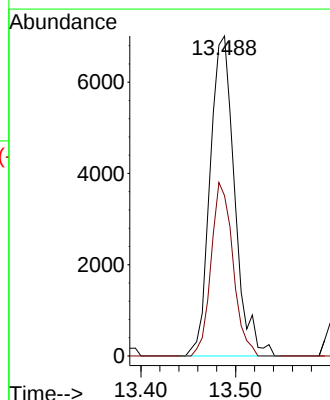
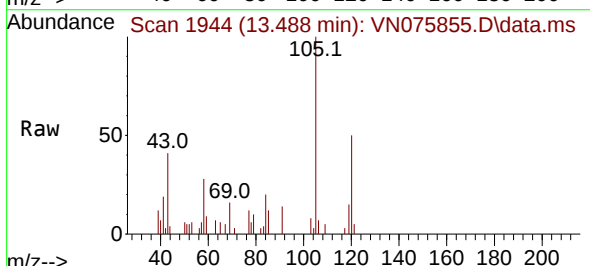
Acq: 16 Dec 2022 18:14

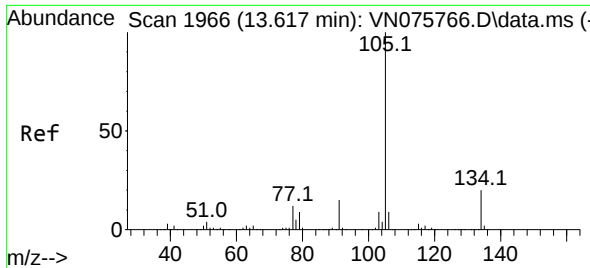
Tgt Ion:105 Resp: 12640

Ion Ratio Lower Upper

105 100

120 48.2 23.3 69.8





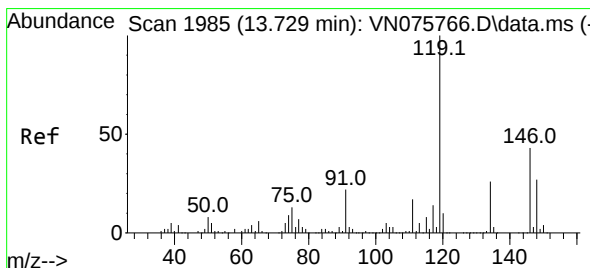
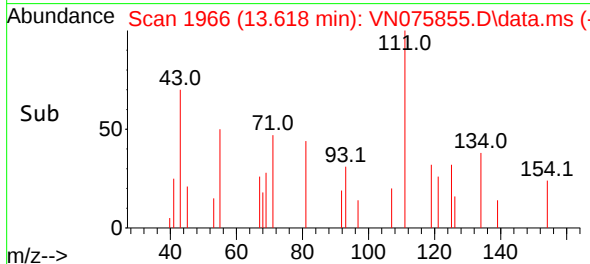
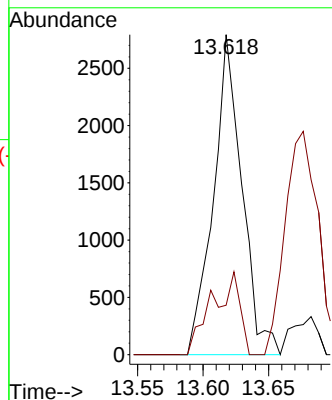
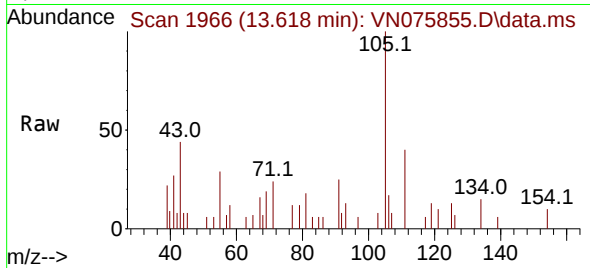
#85
 sec-Butylbenzene
 Concen: 0.252 ug/l
 RT: 13.618 min Scan# 1966
 Delta R.T. 0.000 min
 Lab File: VN075855.D
 Acq: 16 Dec 2022 18:14

Instrument :
 MSVOA_N
 ClientSampleId :
 34258

Tgt Ion:105 Resp: 422
 Ion Ratio Lower Upper
 105 100
 134 25.1 10.1 30.1

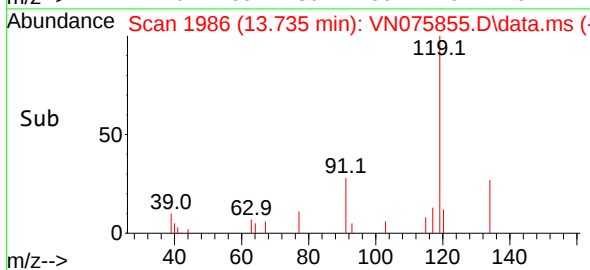
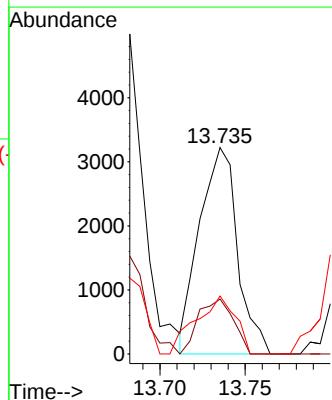
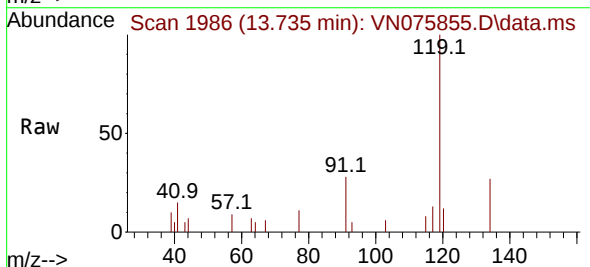
Manual Integrations
 APPROVED

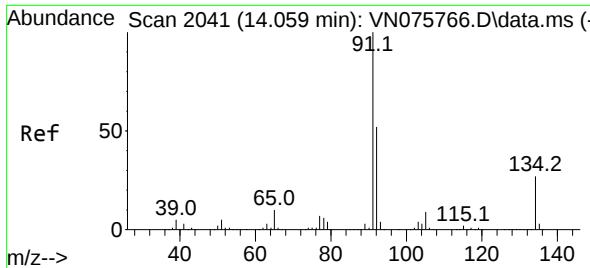
Reviewed By :John Carlone 12/19/2022
 Supervised By :Mahesh Dadoda 12/19/2022



#86
 p-Isopropyltoluene
 Concen: 0.359 ug/l
 RT: 13.735 min Scan# 1986
 Delta R.T. 0.006 min
 Lab File: VN075855.D
 Acq: 16 Dec 2022 18:14

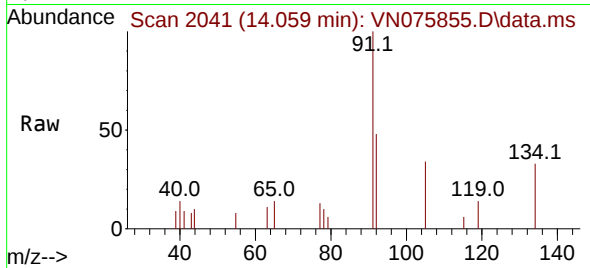
Tgt Ion:119 Resp: 4997
 Ion Ratio Lower Upper
 119 100
 134 24.5 13.0 39.0
 91 29.2 11.2 33.6





#89
n-Butylbenzene
Concen: 0.270 ug/l m
RT: 14.059 min Scan# 2041
Delta R.T. 0.000 min
Lab File: VN075855.D
Acq: 16 Dec 2022 18:14

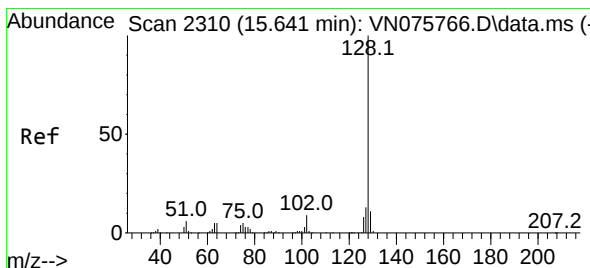
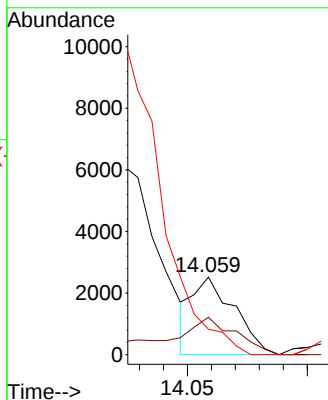
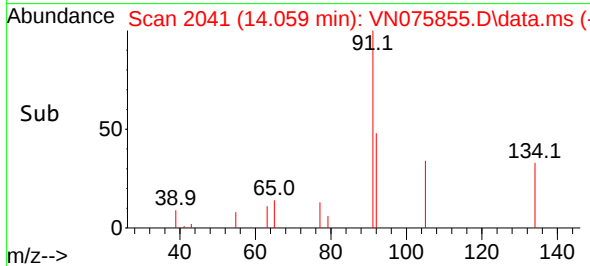
Instrument :
MSVOA_N
ClientSampleId :
34258



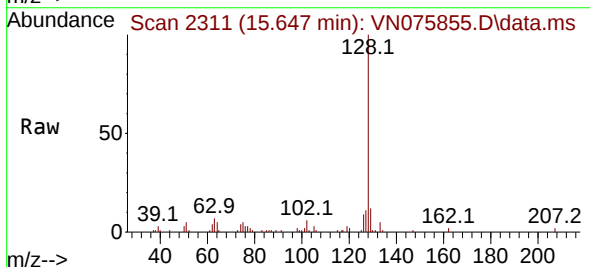
Tgt Ion: 91 Resp: 3040
Ion Ratio Lower Upper
91 100
92 0.0 26.4 79.2
134 57.4 13.4 40.2

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/19/2022
Supervised By :Mahesh Dadoda 12/19/2022



#95
Naphthalene
Concen: 5.818 ug/l
RT: 15.647 min Scan# 2311
Delta R.T. 0.006 min
Lab File: VN075855.D
Acq: 16 Dec 2022 18:14



Tgt Ion:128 Resp: 47124
Ion Ratio Lower Upper
128 100
127 13.2 10.4 15.6
129 13.3 8.7 13.1

