

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN020323\
 Data File : VN076529.D
 Acq On : 03 Feb 2023 13:48
 Operator : JC\MD
 Sample : 01415-01 10X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-10-0202

Manual Integrations
 APPROVED

Reviewed By : John Carlone 02/06/2023
 Supervised By : Mahesh Dadoda 02/06/2023

Quant Time: Feb 03 22:16:43 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011623W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 17 03:59:22 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.230	168	568737	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	929525	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	817868	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	353317	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	321370	50.466	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 100.940%			
35) Dibromofluoromethane	8.171	113	280529	48.246	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 96.500%			
50) Toluene-d8	10.571	98	1083001	50.433	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.860%			
62) 4-Bromofluorobenzene	12.853	95	374709	53.452	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 106.900%			
Target Compounds					Qvalue	
16) Acetone	4.453	43	33565	16.373	ug/l #	86
19) Methyl tert-butyl Ether	5.812	73	115453	6.510	ug/l #	85
25) 2-Butanone	7.500	43	6909	2.216	ug/l #	83
31) Cyclohexane	8.259	56	28330	2.896	ug/l #	91
39) Methylcyclohexane	9.600	83	12702	1.259	ug/l	97
40) Benzene	8.606	78	10563	0.428	ug/l #	90
51) 4-Methyl-2-Pentanone	10.447	43	5299	0.837	ug/l	100
52) Toluene	10.635	92	5768	0.349	ug/l	94
59) 2-Hexanone	11.194	43	7685	1.676	ug/l	64
67) Ethyl Benzene	11.965	91	922285	31.170	ug/l	99
68) m/p-Xylenes	12.076	106	185298	15.617	ug/l	98
69) o-Xylene	12.400	106	27071	2.323	ug/l	92
73) Isopropylbenzene	12.694	105	49951	1.828	ug/l	100
78) n-propylbenzene	13.035	91	102018	3.308	ug/l	97
84) 1,2,4-Trimethylbenzene	13.482	105	1311899	57.137	ug/l	99
86) p-Isopropyltoluene	13.729	119	10455	0.450	ug/l #	75
89) n-Butylbenzene	14.053	91	16380m	0.888	ug/l	
93) 1,2,4-Trichlorobenzene	15.400	180	6017	2.250	ug/l #	90
95) Naphthalene	15.641	128	143835	9.386	ug/l	100
96) 1,2,3-Trichlorobenzene	15.841	180	6158	2.172	ug/l #	86

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

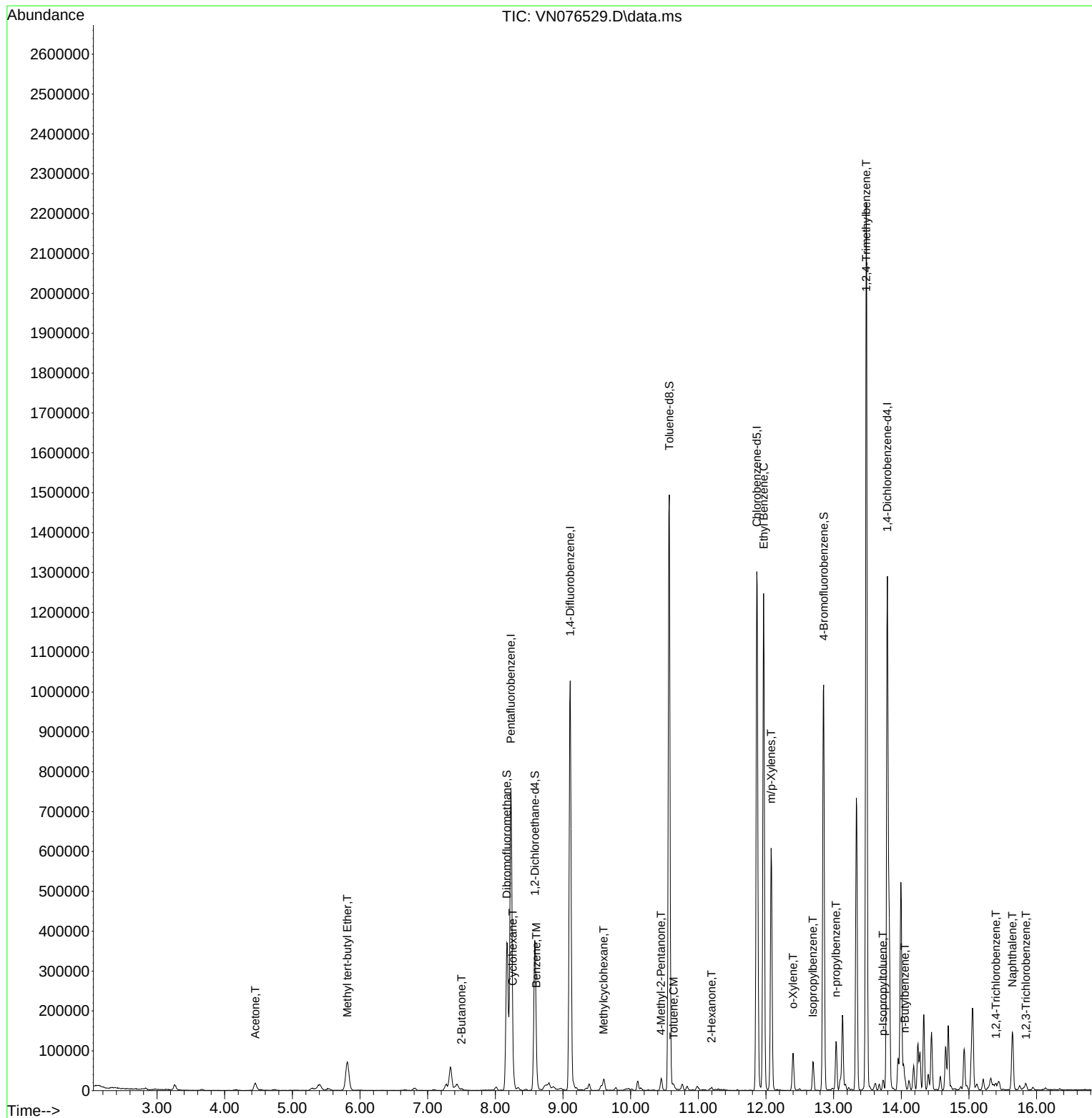
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN020323\
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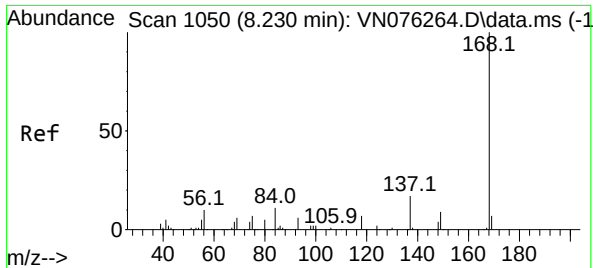
Instrument :
MSVOA_N
ClientSampleId :
MW-10-0202

Quant Time: Feb 03 22:16:43 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011623W.M
Quant Title : SW846 8260
QLast Update : Tue Jan 17 03:59:22 2023
Response via : Initial Calibration

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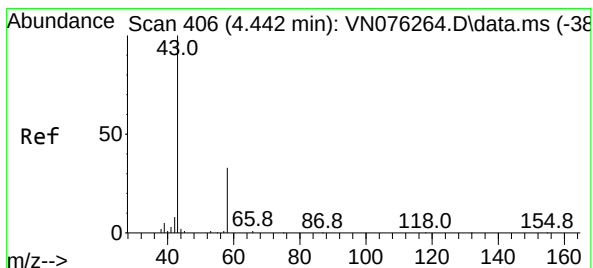
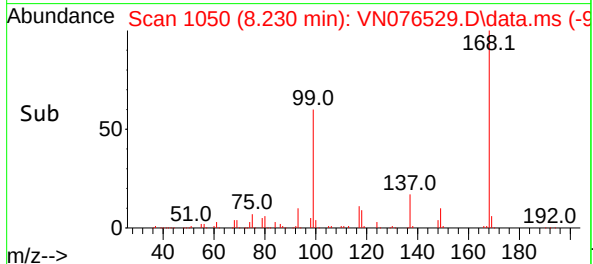
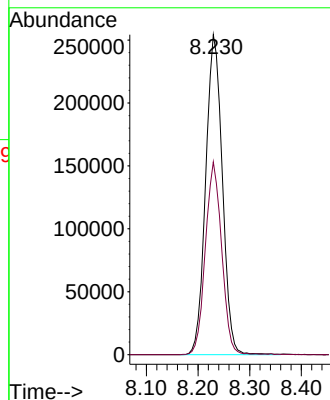
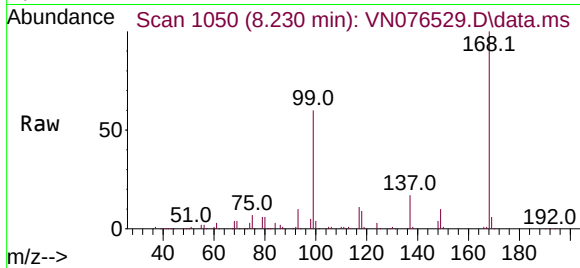
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.000 min
Lab File: VN076529.D
Acq: 03 Feb 2023 13:48

Instrument : MSVOA_N
Client Sample Id : MW-10-0202

Tgt Ion: 168 Resp: 56873
Ion Ratio Lower Upper
168 100
99 60.2 41.6 62.4

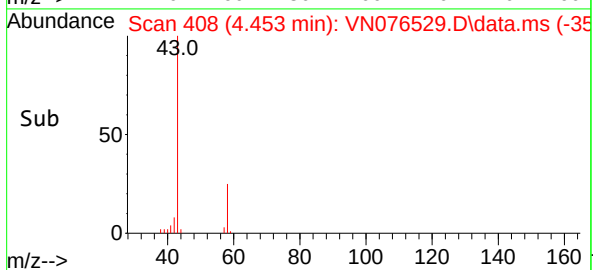
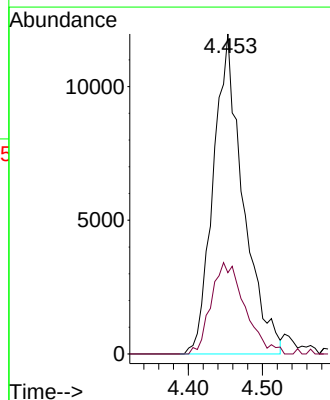
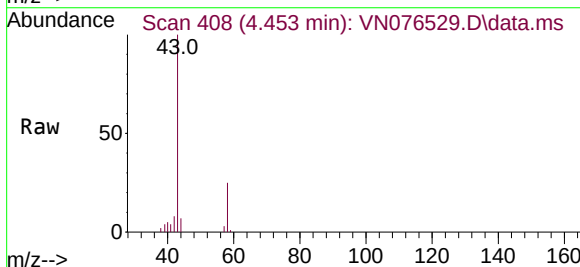
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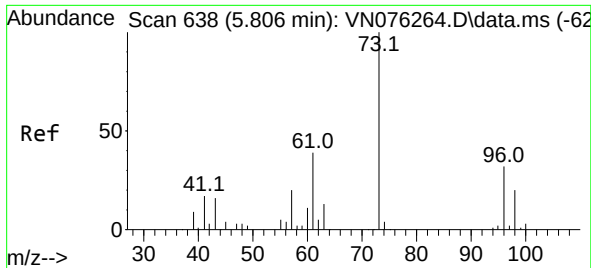
Reviewed By : John Carlone 02/06/2023
Supervised By : Mahesh Dadoda 02/06/2023



#16
Acetone
Concen: 16.373 ug/l
RT: 4.453 min Scan# 408
Delta R.T. 0.011 min
Lab File: VN076529.D
Acq: 03 Feb 2023 13:48

Tgt Ion: 43 Resp: 33565
Ion Ratio Lower Upper
43 100
58 25.4 26.7 40.1#





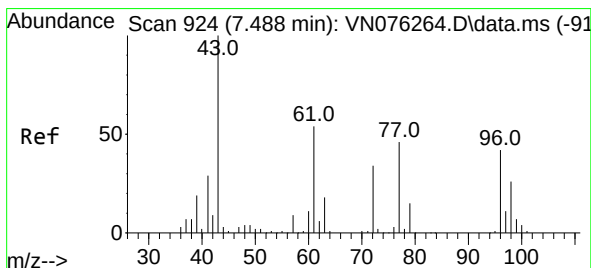
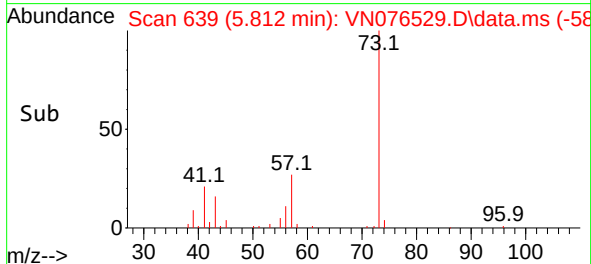
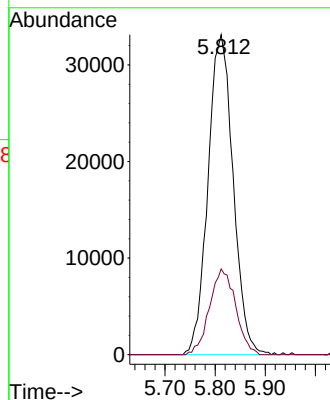
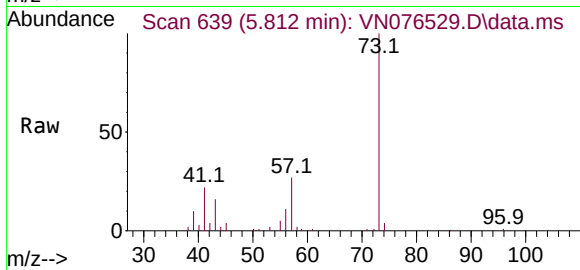
#19
Methyl tert-butyl Ether
Concen: 6.510 ug/l
RT: 5.812 min Scan# 61
Delta R.T. 0.006 min
Lab File: VN076529.D
Acq: 03 Feb 2023 13:48

Instrument :
MSVOA_N
ClientSampleId :
MW-10-0202

Tgt Ion: 73 Resp: 11545
Ion Ratio Lower Upper
73 100
57 26.8 15.9 23.9

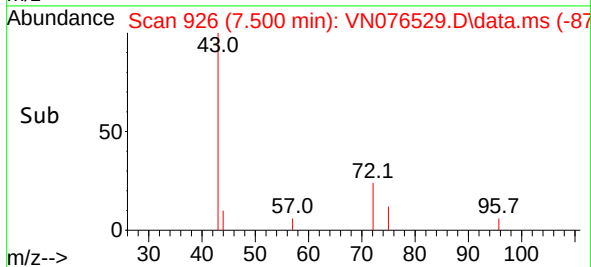
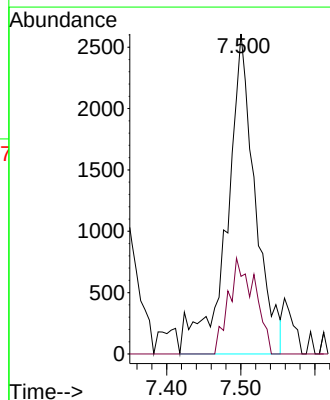
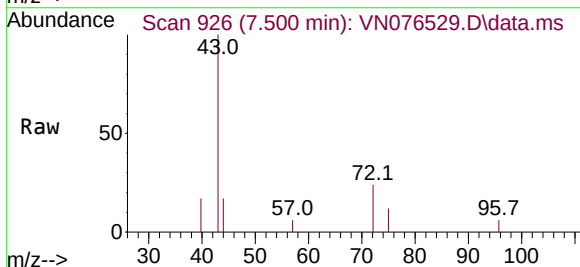
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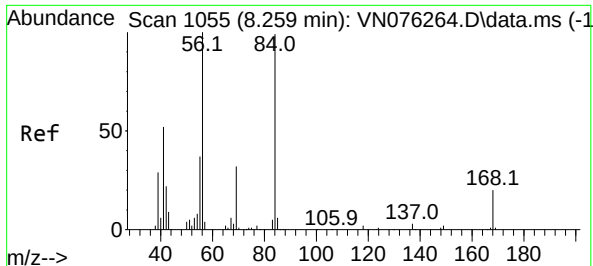
Reviewed By :John Carlone 02/06/2023
Supervised By :Mahesh Dadoda 02/06/2023



#25
2-Butanone
Concen: 2.216 ug/l
RT: 7.500 min Scan# 926
Delta R.T. 0.012 min
Lab File: VN076529.D
Acq: 03 Feb 2023 13:48

Tgt Ion: 43 Resp: 6909
Ion Ratio Lower Upper
43 100
72 24.3 27.4 41.2





#31

Cyclohexane

Concen: 2.896 ug/l

RT: 8.259 min Scan# 1055

Delta R.T. -0.000 min

Lab File: VN076529.D

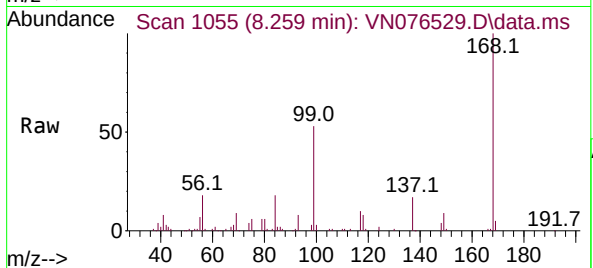
Acq: 03 Feb 2023 13:48

Instrument :

MSVOA_N

ClientSampleId :

MW-10-0202



Tgt Ion: 56 Resp: 28330

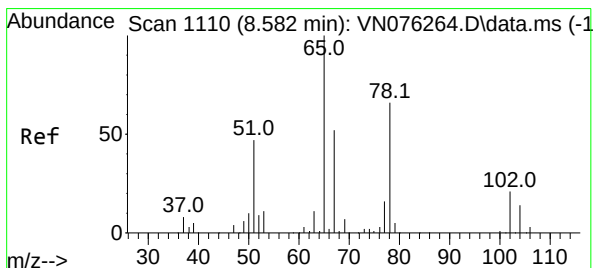
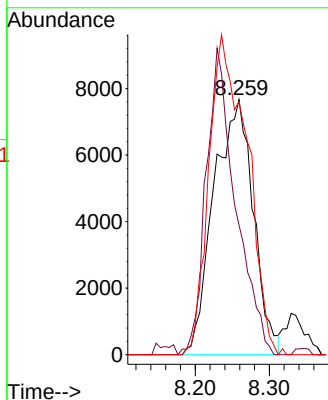
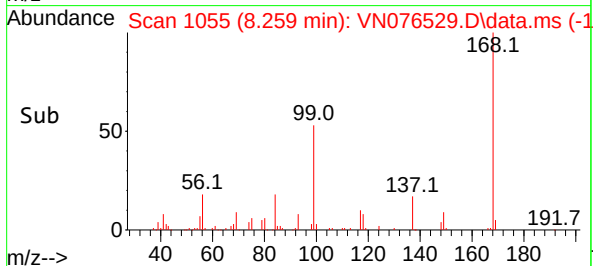
Ion	Ratio	Lower	Upper
56	100		
69	50.8	25.8	38.8
84	99.2	79.0	118.4

Manual Integrations

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#33

1,2-Dichloroethane-d4

Concen: 50.466 ug/l

RT: 8.582 min Scan# 1110

Delta R.T. 0.000 min

Lab File: VN076529.D

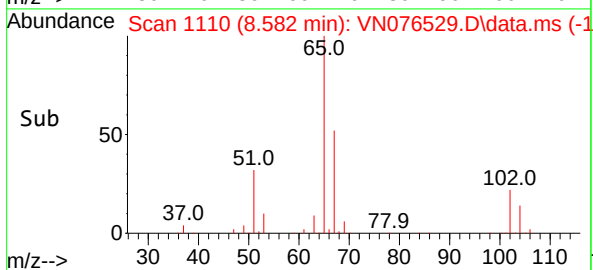
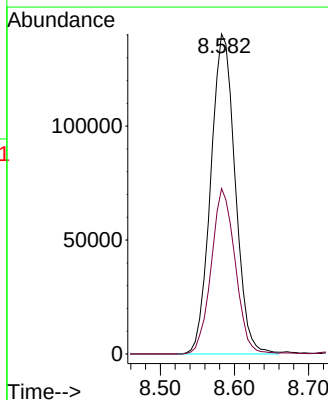
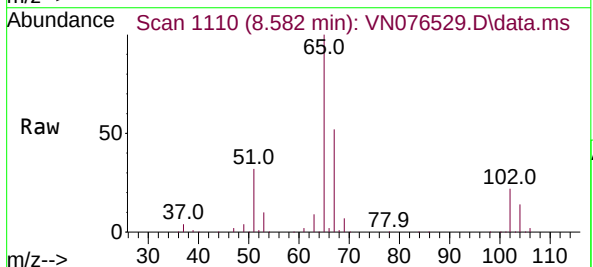
Acq: 03 Feb 2023 13:48

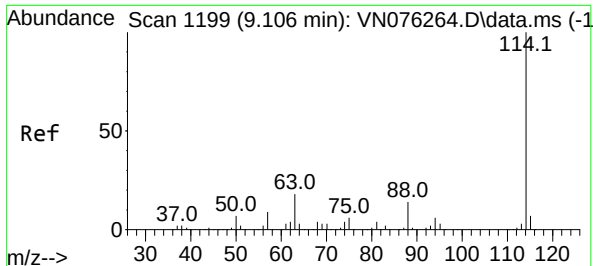
Tgt Ion: 65 Resp: 321370

Ion Ratio Lower Upper

65 100

67 50.7 0.0 104.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1199

Delta R.T. -0.000 min

Lab File: VN076529.D

Acq: 03 Feb 2023 13:48

Instrument :

MSVOA_N

ClientSampleId :

MW-10-0202

Tgt Ion:114 Resp: 929529

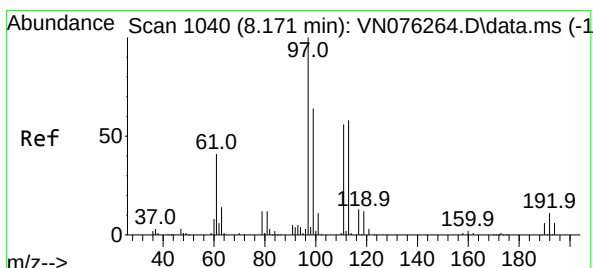
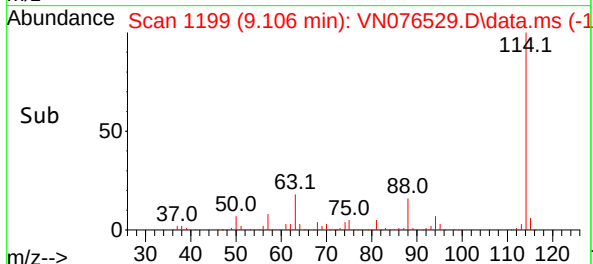
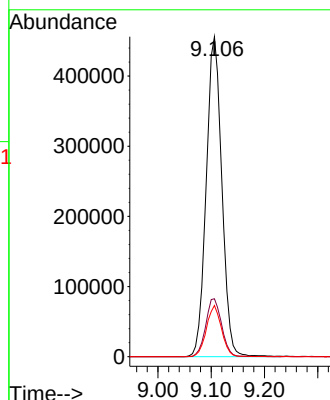
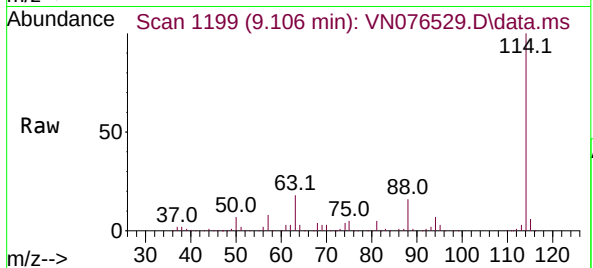
Ion	Ratio	Lower	Upper
114	100		
63	18.1	0.0	35.8
88	16.0	0.0	28.0

Manual Integrations

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Supervised By :Mahesh Dadoda 02/06/2023



#35

Dibromofluoromethane

Concen: 48.246 ug/l

RT: 8.171 min Scan# 1040

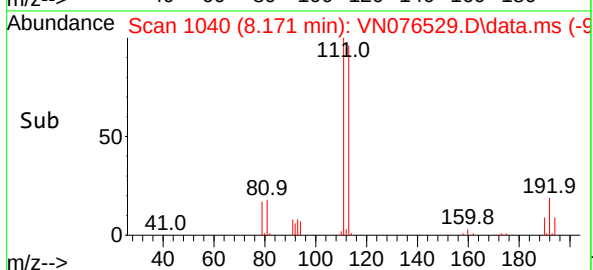
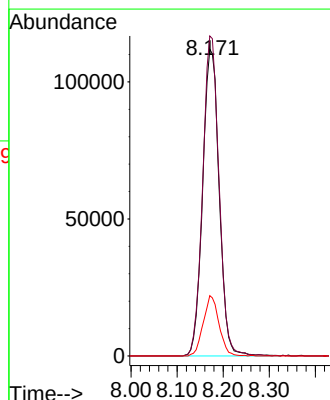
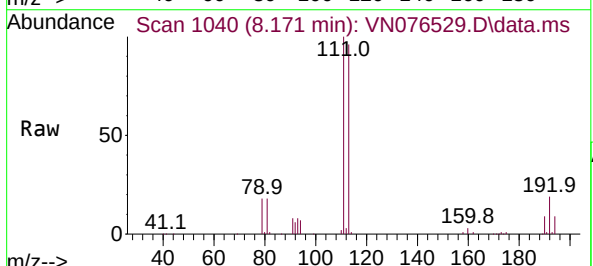
Delta R.T. -0.000 min

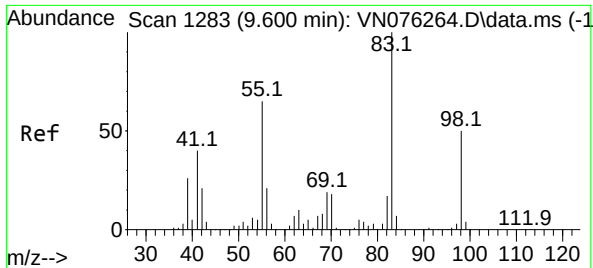
Lab File: VN076529.D

Acq: 03 Feb 2023 13:48

Tgt Ion:113 Resp: 280529

Ion	Ratio	Lower	Upper
113	100		
111	102.9	82.7	124.1
192	18.7	15.6	23.4





#39

Methylcyclohexane

Concen: 1.259 ug/l

RT: 9.600 min Scan# 1114

Delta R.T. 0.000 min

Lab File: VN076529.D

Acq: 03 Feb 2023 13:48

Instrument :

MSVOA_N

ClientSampleId :

MW-10-0202

Tgt Ion: 83 Resp: 1270

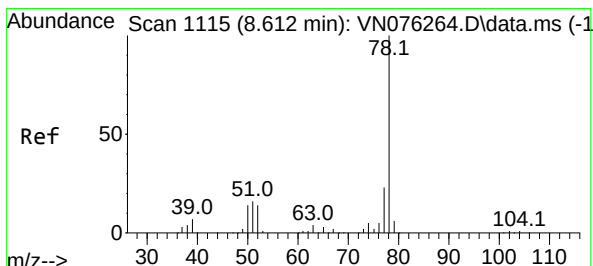
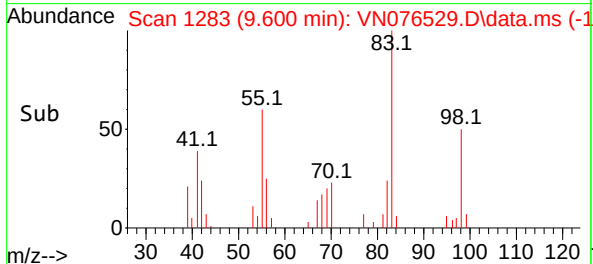
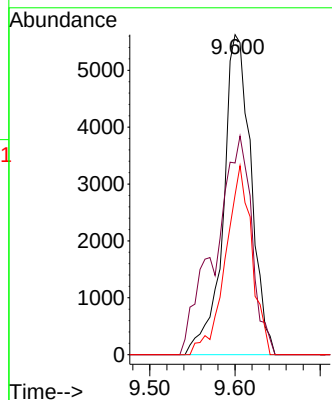
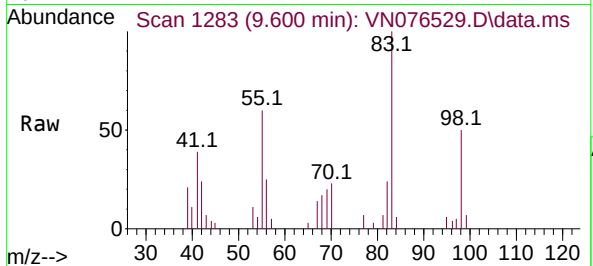
Ion	Ratio	Lower	Upper
83	100		
55	59.9	51.7	77.5
98	49.9	40.0	60.0

Manual Integrations

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Supervised By :Mahesh Dadoda 02/06/2023



#40

Benzene

Concen: 0.428 ug/l

RT: 8.606 min Scan# 1114

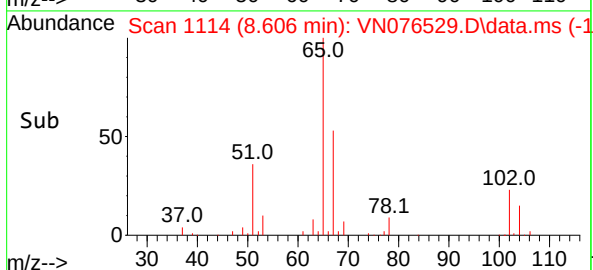
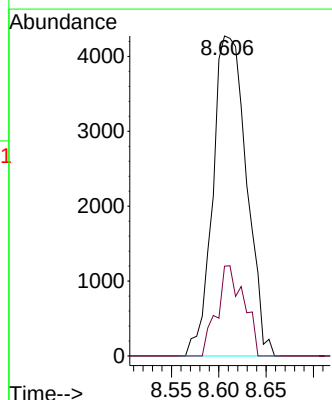
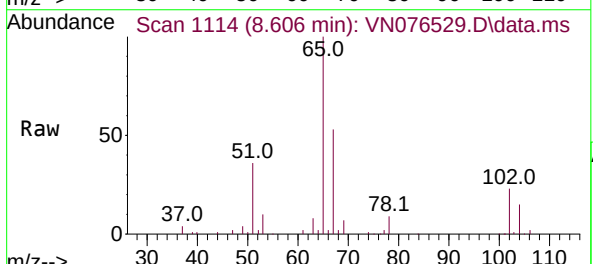
Delta R.T. -0.006 min

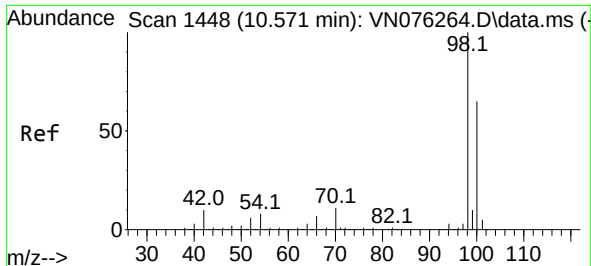
Lab File: VN076529.D

Acq: 03 Feb 2023 13:48

Tgt Ion: 78 Resp: 10563

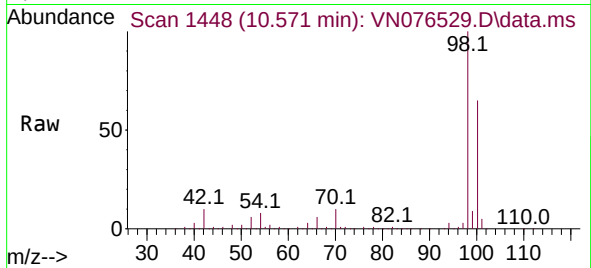
Ion	Ratio	Lower	Upper
78	100		
77	28.0	18.6	28.0





#50
Toluene-d8
Concen: 50.433 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. -0.000 min
Lab File: VN076529.D
Acq: 03 Feb 2023 13:48

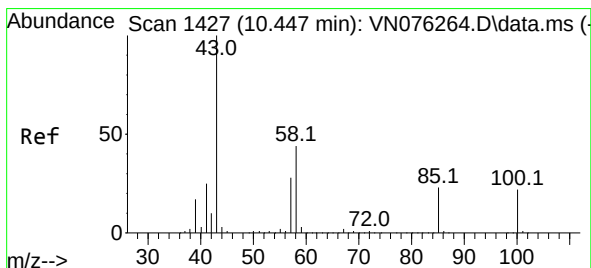
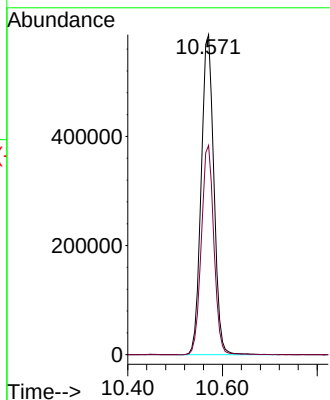
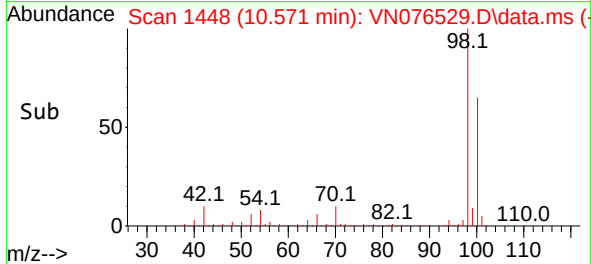
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MSVOA_N
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MW-10-0202



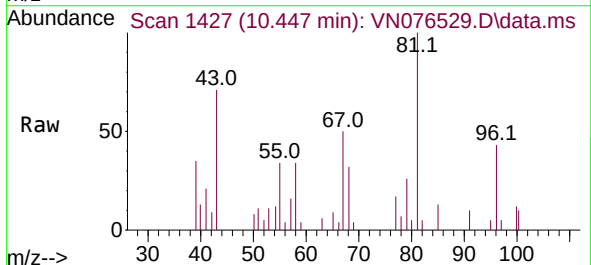
Tgt Ion: 98 Resp: 108300
Ion Ratio Lower Upper
98 100
100 65.0 52.2 78.4

Manual Integrations
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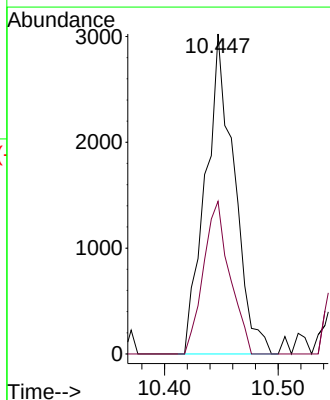
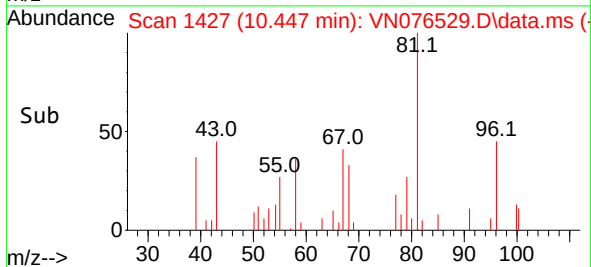
Reviewed By :John Carlone 02/06/2023
Supervised By :Mahesh Dadoda 02/06/2023

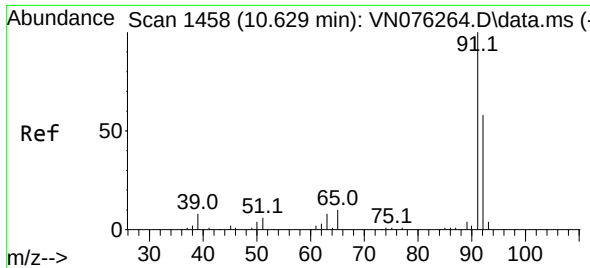


#51
4-Methyl-2-Pentanone
Concen: 0.837 ug/l
RT: 10.447 min Scan# 1427
Delta R.T. 0.000 min
Lab File: VN076529.D
Acq: 03 Feb 2023 13:48



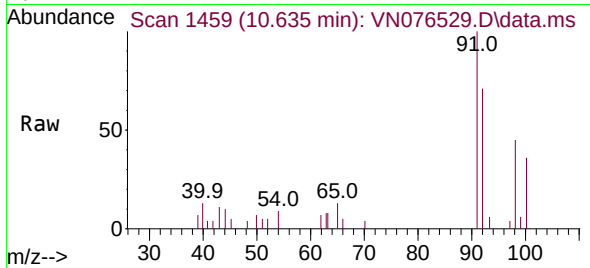
Tgt Ion: 43 Resp: 5299
Ion Ratio Lower Upper
43 100
58 44.0 35.1 52.7





#52
Toluene
Concen: 0.349 ug/l
RT: 10.635 min Scan# 1458
Delta R.T. 0.006 min
Lab File: VN076529.D
Acq: 03 Feb 2023 13:48

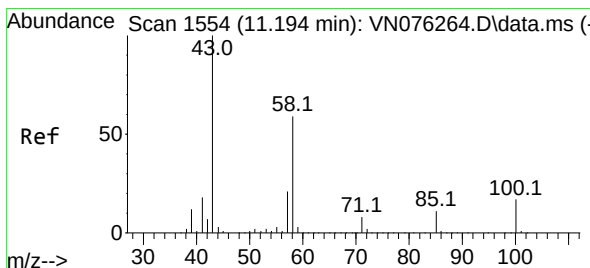
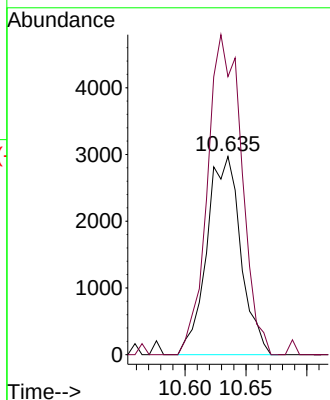
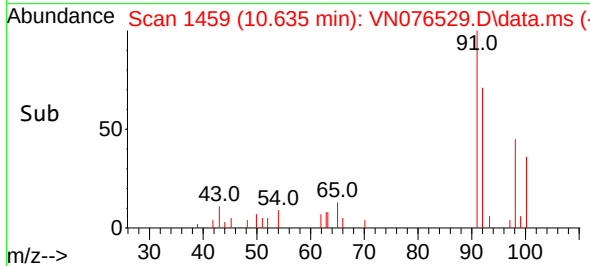
Instrument :
MSVOA_N
ClientSampleId :
MW-10-0202



Tgt Ion: 92 Resp: 5768
Ion Ratio Lower Upper
92 100
91 162.4 136.6 205.0

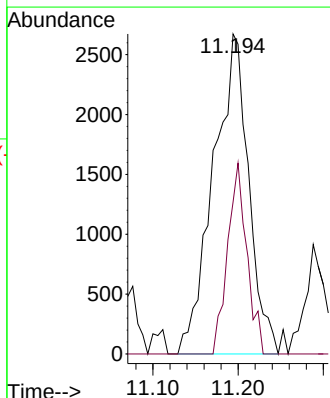
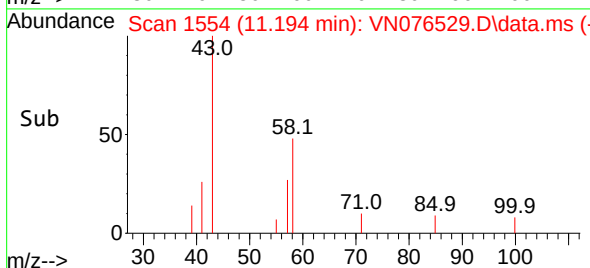
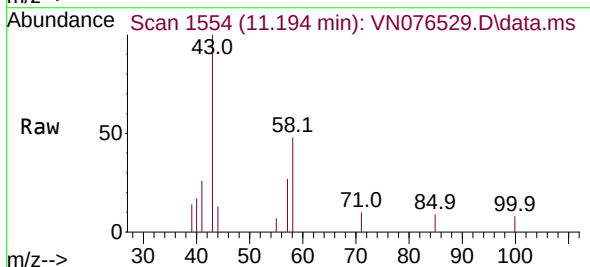
Manual Integrations
APPROVED

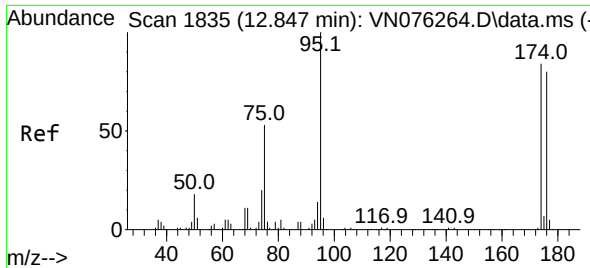
Reviewed By :John Carlone 02/06/2023
Supervised By :Mahesh Dadoda 02/06/2023



#59
2-Hexanone
Concen: 1.676 ug/l
RT: 11.194 min Scan# 1554
Delta R.T. 0.000 min
Lab File: VN076529.D
Acq: 03 Feb 2023 13:48

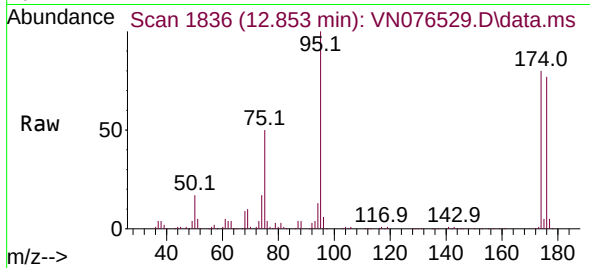
Tgt Ion: 43 Resp: 7685
Ion Ratio Lower Upper
43 100
58 32.6 30.1 90.3





#62
4-Bromofluorobenzene
Concen: 53.452 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.006 min
Lab File: VN076529.D
Acq: 03 Feb 2023 13:48

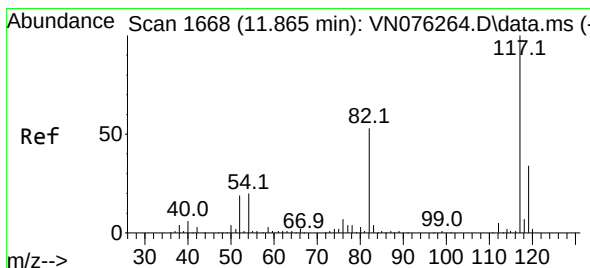
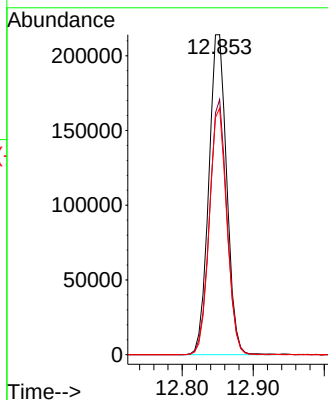
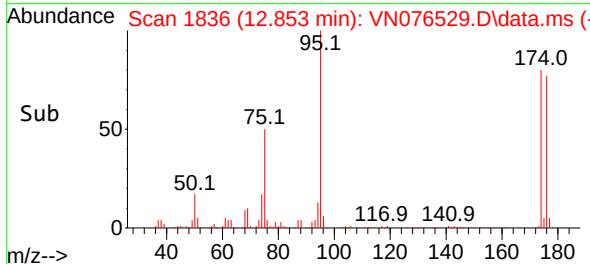
Instrument :
MSVOA_N
ClientSampleId :
MW-10-0202



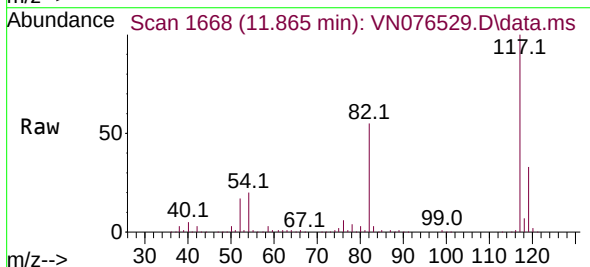
Tgt Ion: 95 Resp: 374709
Ion Ratio Lower Upper
95 100
174 77.5 0.0 174.6
176 75.2 0.0 167.8

Manual Integrations
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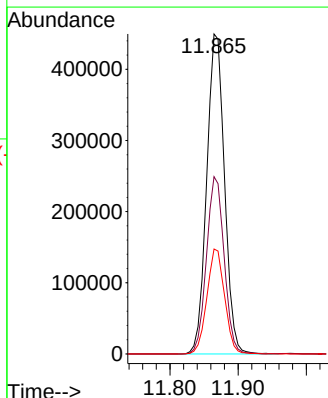
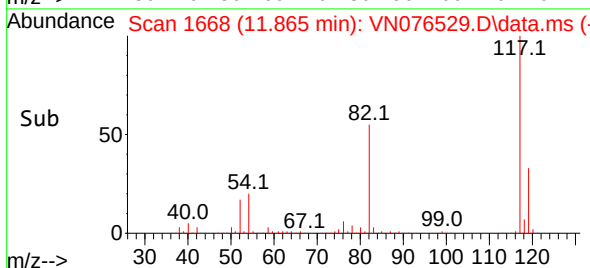
Reviewed By :John Carlone 02/06/2023
Supervised By :Mahesh Dadoda 02/06/2023

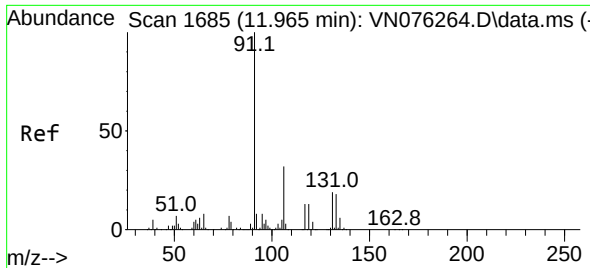


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1668
Delta R.T. -0.000 min
Lab File: VN076529.D
Acq: 03 Feb 2023 13:48



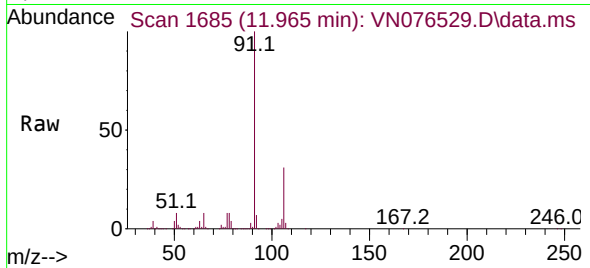
Tgt Ion:117 Resp: 817868
Ion Ratio Lower Upper
117 100
82 55.4 42.2 63.2
119 32.8 26.9 40.3





#67
Ethyl Benzene
Concen: 31.170 ug/l
RT: 11.965 min Scan# 1104
Delta R.T. -0.000 min
Lab File: VN076529.D
Acq: 03 Feb 2023 13:48

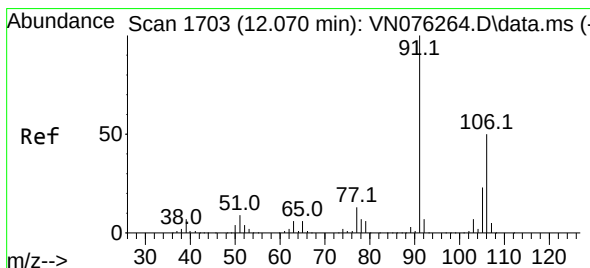
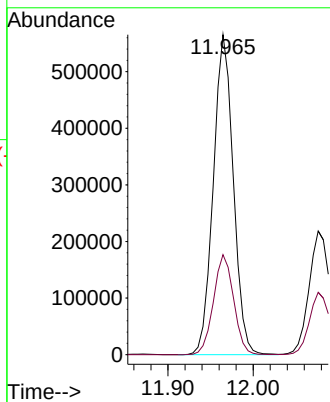
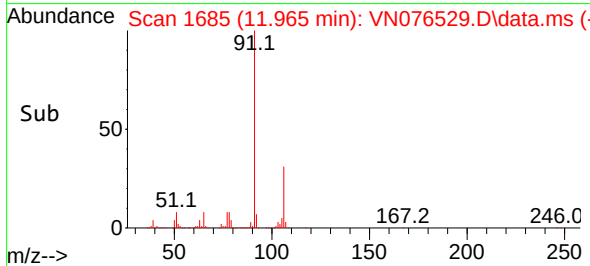
Instrument :
MSVOA_N
ClientSampleId :
MW-10-0202



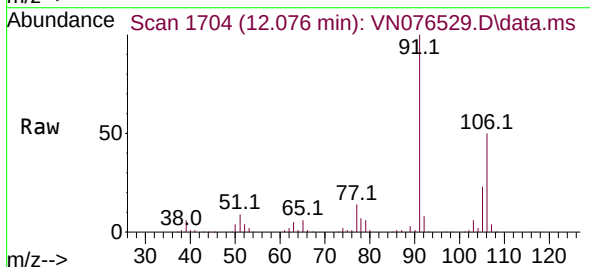
Tgt Ion: 91 Resp: 922285
Ion Ratio Lower Upper
91 100
106 31.2 25.5 38.3

Manual Integrations
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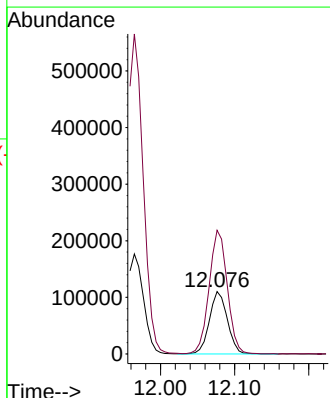
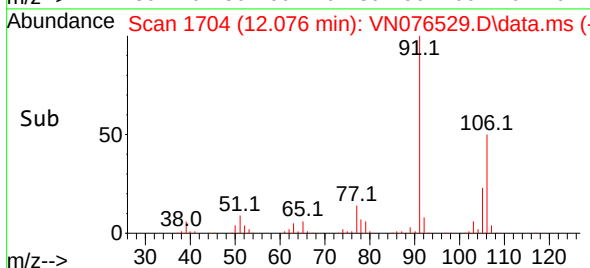
Reviewed By :John Carlone 02/06/2023
Supervised By :Mahesh Dadoda 02/06/2023

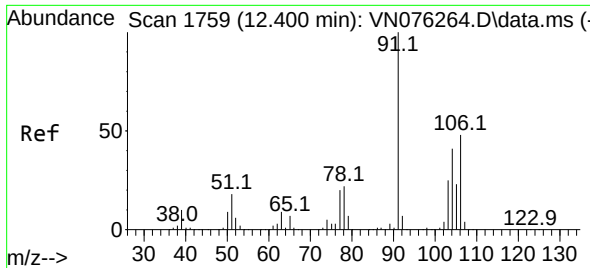


#68
m/p-Xylenes
Concen: 15.617 ug/l
RT: 12.076 min Scan# 1704
Delta R.T. 0.006 min
Lab File: VN076529.D
Acq: 03 Feb 2023 13:48



Tgt Ion:106 Resp: 185298
Ion Ratio Lower Upper
106 100
91 200.3 157.5 236.3





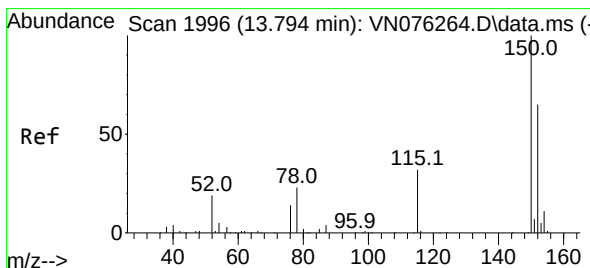
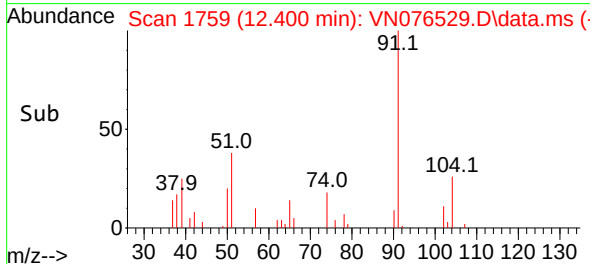
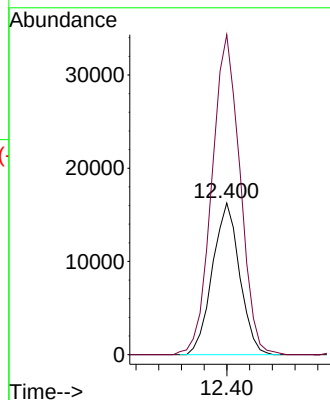
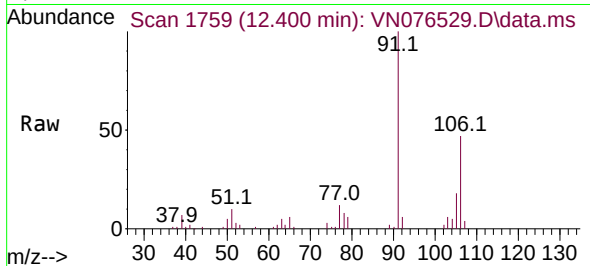
#69
o-Xylene
Concen: 2.323 ug/l
RT: 12.400 min Scan# 1759
Delta R.T. -0.000 min
Lab File: VN076529.D
Acq: 03 Feb 2023 13:48

Instrument :
MSVOA_N
ClientSampleId :
MW-10-0202

Tgt Ion:106 Resp: 2707
Ion Ratio Lower Upper
106 100
91 218.2 103.2 309.4

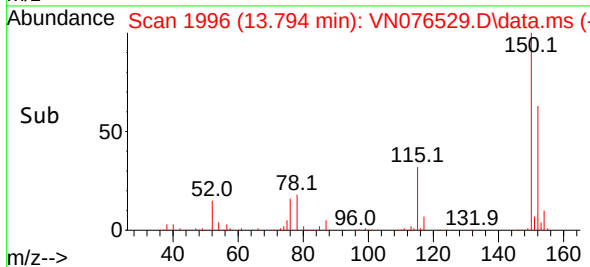
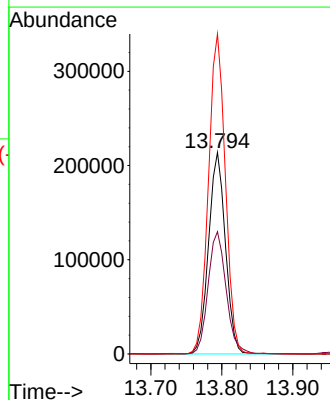
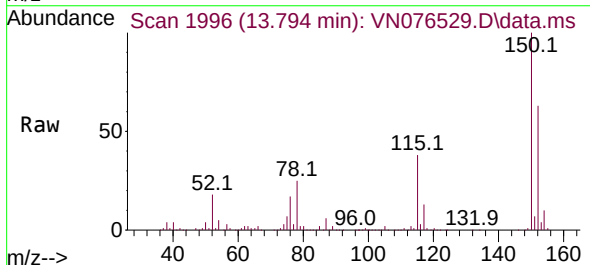
Manual Integrations
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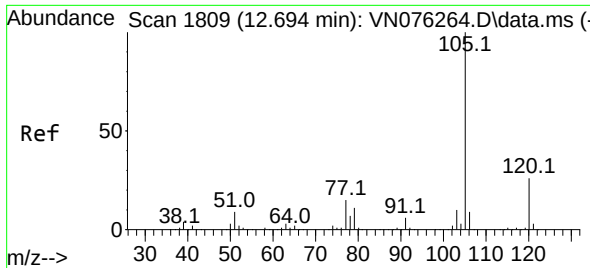
Reviewed By :John Carlone 02/06/2023
Supervised By :Mahesh Dadoda 02/06/2023



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. -0.000 min
Lab File: VN076529.D
Acq: 03 Feb 2023 13:48

Tgt Ion:152 Resp: 353317
Ion Ratio Lower Upper
152 100
115 65.1 29.6 88.9
150 158.2 0.0 351.4





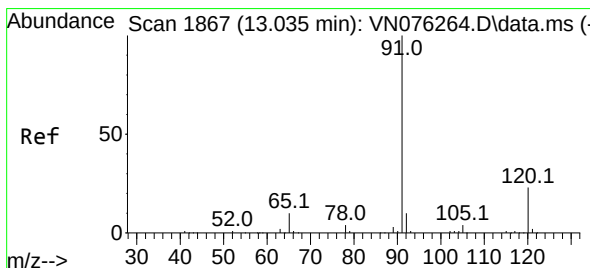
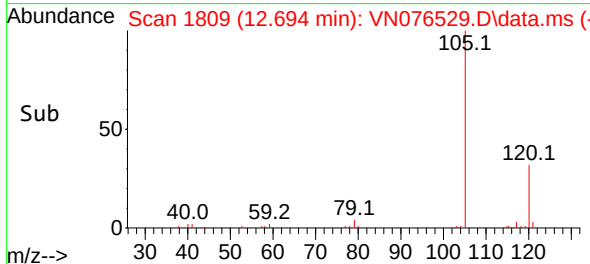
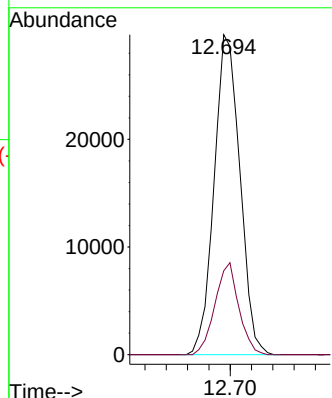
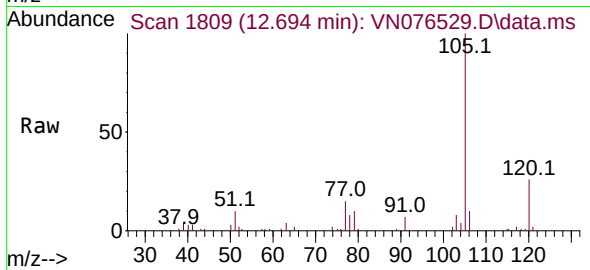
#73
Isopropylbenzene
Concen: 1.828 ug/l
RT: 12.694 min Scan# 1809
Delta R.T. -0.000 min
Lab File: VN076529.D
Acq: 03 Feb 2023 13:48

Instrument :
MSVOA_N
ClientSampleId :
MW-10-0202

Tgt Ion:105 Resp: 4995
Ion Ratio Lower Upper
105 100
120 26.5 13.4 40.1

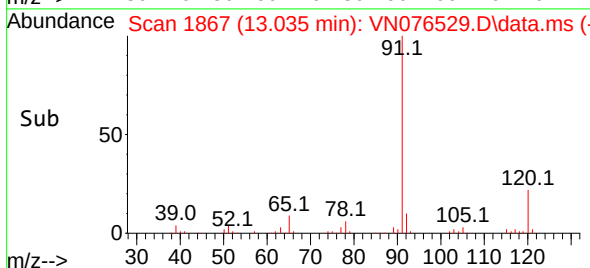
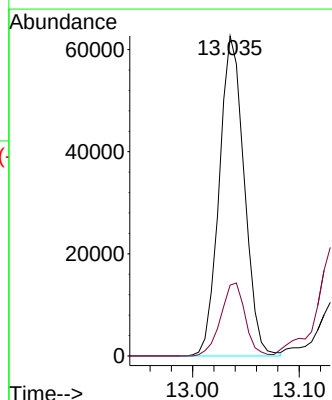
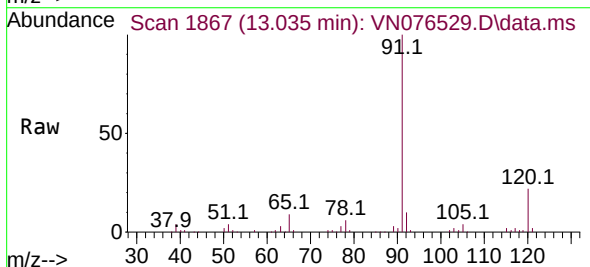
Manual Integrations
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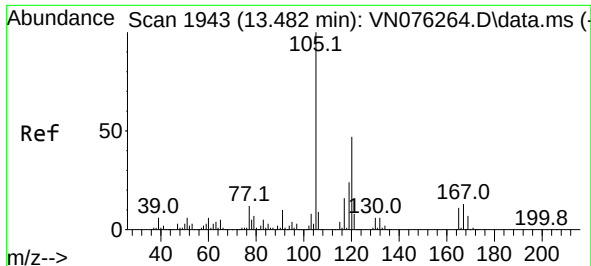
Reviewed By :John Carlone 02/06/2023
Supervised By :Mahesh Dadoda 02/06/2023



#78
n-propylbenzene
Concen: 3.308 ug/l
RT: 13.035 min Scan# 1867
Delta R.T. 0.000 min
Lab File: VN076529.D
Acq: 03 Feb 2023 13:48

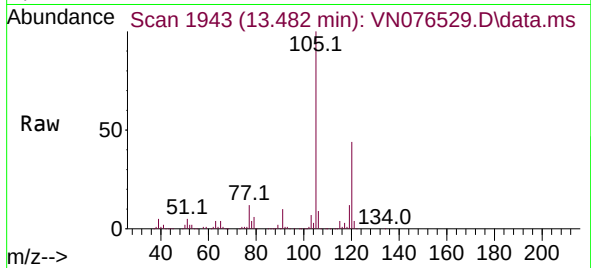
Tgt Ion: 91 Resp: 102018
Ion Ratio Lower Upper
91 100
120 22.4 11.9 35.5





#84
1,2,4-Trimethylbenzene
Concen: 57.137 ug/l
RT: 13.482 min Scan# 1943
Delta R.T. 0.000 min
Lab File: VN076529.D
Acq: 03 Feb 2023 13:48

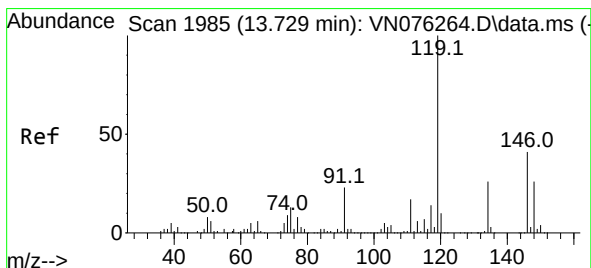
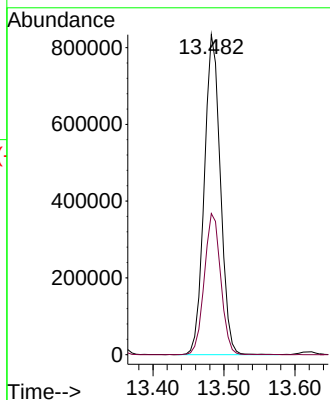
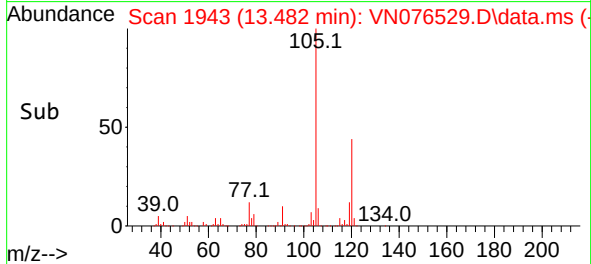
Instrument :
MSVOA_N
ClientSampleId :
MW-10-0202



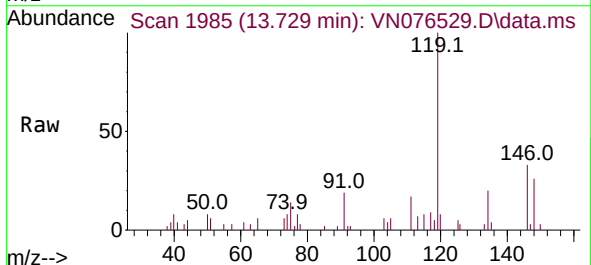
Tgt Ion:105 Resp: 1311899
Ion Ratio Lower Upper
105 100
120 45.1 22.9 68.5

Manual Integrations
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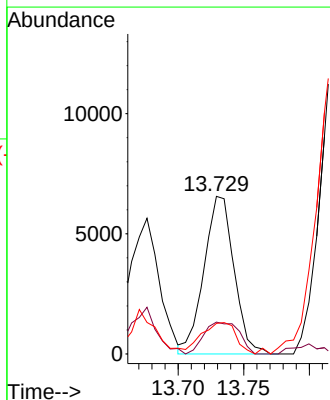
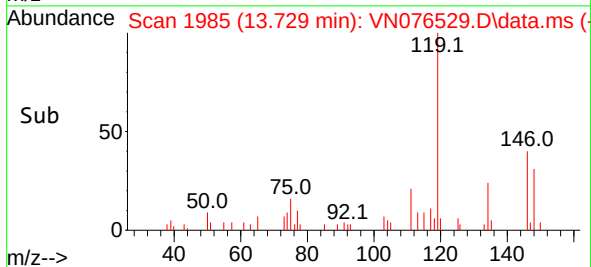
Reviewed By :John Carlone 02/06/2023
Supervised By :Mahesh Dadoda 02/06/2023

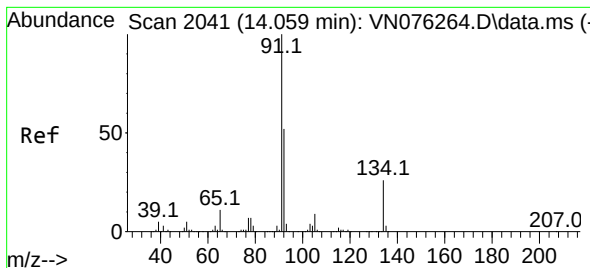


#86
p-Isopropyltoluene
Concen: 0.450 ug/l
RT: 13.729 min Scan# 1985
Delta R.T. 0.000 min
Lab File: VN076529.D
Acq: 03 Feb 2023 13:48



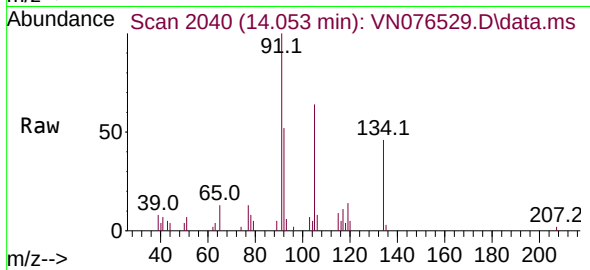
Tgt Ion:119 Resp: 10455
Ion Ratio Lower Upper
119 100
134 23.7 13.2 39.6
91 0.0 11.8 35.3#





#89
n-Butylbenzene
Concen: 0.888 ug/l m
RT: 14.053 min Scan# 2041
Delta R.T. -0.006 min
Lab File: VN076529.D
Acq: 03 Feb 2023 13:48

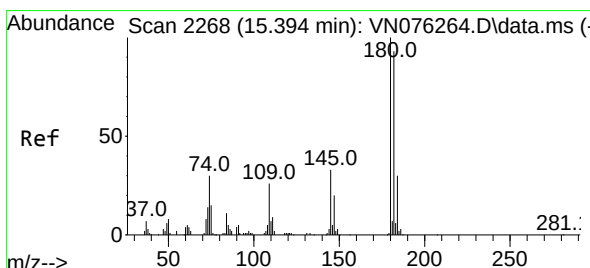
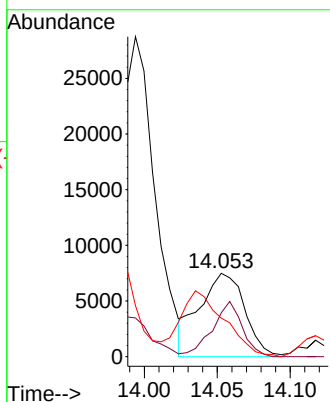
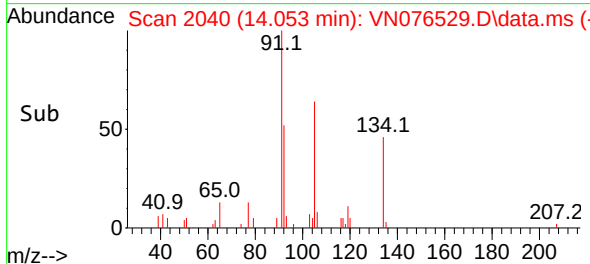
Instrument :
MSVOA_N
ClientSampleId :
MW-10-0202



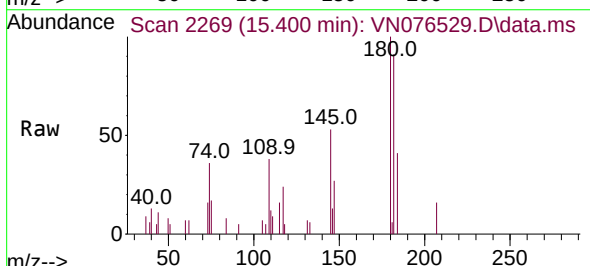
Tgt Ion: 91 Resp: 16380
Ion Ratio Lower Upper
91 100
92 43.3 26.3 78.9
134 0.0 13.2 39.5

Manual Integrations
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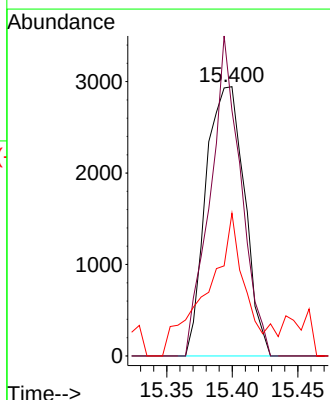
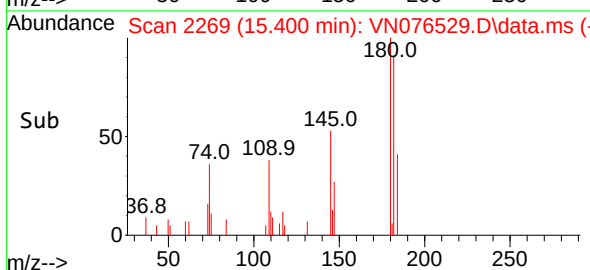
Reviewed By :John Carlone 02/06/2023
Supervised By :Mahesh Dadoda 02/06/2023

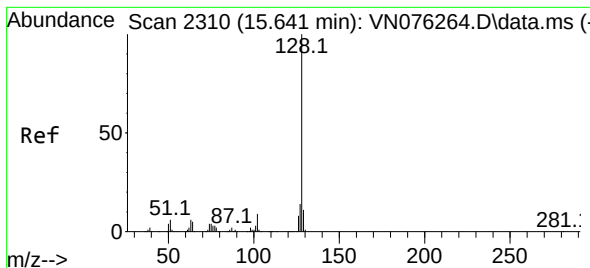


#93
1,2,4-Trichlorobenzene
Concen: 2.250 ug/l
RT: 15.400 min Scan# 2269
Delta R.T. 0.006 min
Lab File: VN076529.D
Acq: 03 Feb 2023 13:48



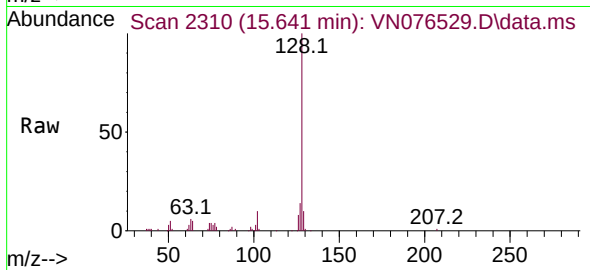
Tgt Ion:180 Resp: 6017
Ion Ratio Lower Upper
180 100
182 94.5 47.0 141.2
145 50.9 15.2 45.5





#95
Naphthalene
Concen: 9.386 ug/l
RT: 15.641 min Scan# 2310
Delta R.T. -0.000 min
Lab File: VN076529.D
Acq: 03 Feb 2023 13:48

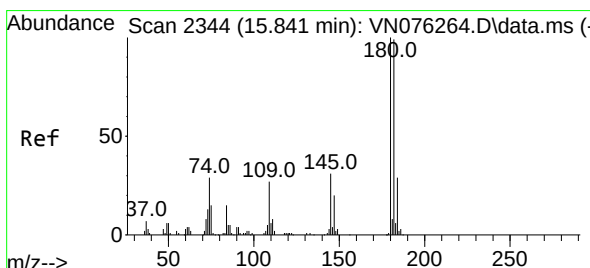
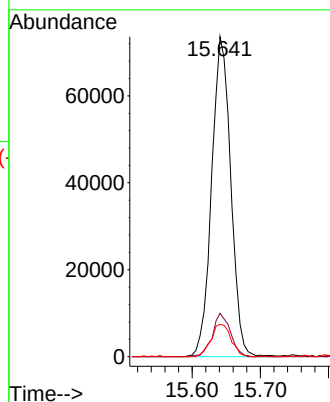
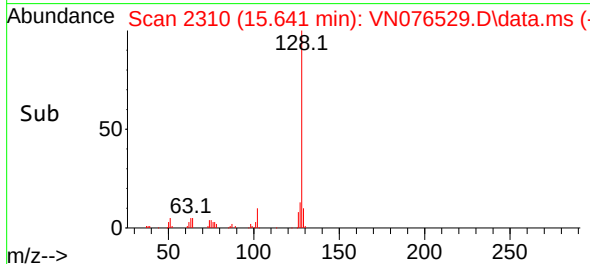
Instrument :
MSVOA_N
ClientSampleId :
MW-10-0202



Tgt Ion:128 Resp: 14383
Ion Ratio Lower Upper
128 100
127 12.8 10.3 15.5
129 10.6 8.6 13.0

Manual Integrations
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Reviewed By :John Carlone 02/06/2023
Supervised By :Mahesh Dadoda 02/06/2023



#96
1,2,3-Trichlorobenzene
Concen: 2.172 ug/l
RT: 15.841 min Scan# 2344
Delta R.T. -0.000 min
Lab File: VN076529.D
Acq: 03 Feb 2023 13:48

Tgt Ion:180 Resp: 6158
Ion Ratio Lower Upper
180 100
182 102.3 47.5 142.5
145 50.8 15.9 47.6#

