

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032024\
 Data File : VN081500.D
 Acq On : 20 Mar 2024 17:46
 Operator : JC\MD
 Sample : P1799-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 50296

Manual Integrations
 APPROVED

Reviewed By : John Carlone 03/21/2024
 Supervised By : Mahesh Dadoda 03/21/2024

Quant Time: Mar 21 01:23:11 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031824W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 19 06:00:00 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	567545	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	9.100	114	944814	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	851070	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	375341	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	349055	48.227	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	96.460%		
35) Dibromofluoromethane	8.165	113	276845	46.429	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	92.860%		
50) Toluene-d8	10.571	98	1112837	51.629	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	103.260%		
62) 4-Bromofluorobenzene	12.853	95	395336	52.052	ug/l	0.00
Spiked Amount 50.000	Range 64 - 133		Recovery =	104.100%		
Target Compounds						Qvalue
16) Acetone	4.430	43	290224	124.078	ug/l	99
18) Methyl Acetate	5.024	43	9112	1.264	ug/l #	76
19) Methyl tert-butyl Ether	5.794	73	2252341	107.449	ug/l	99
22) Diisopropyl ether	6.671	45	812493	41.664	ug/l #	94
25) 2-Butanone	7.483	43	158189	39.429	ug/l	95
31) Cyclohexane	8.259	56	189352	16.077	ug/l #	73
37) Ethyl Acetate	7.559	43	2353198	273.863	ug/l #	94
39) Methylcyclohexane	9.600	83	40394	3.605	ug/l	90
40) Benzene	8.588	78	30041528m	1024.021	ug/l	
52) Toluene	10.618	92	25052474m	1343.562	ug/l	
67) Ethyl Benzene	11.965	91	5181442	148.259	ug/l	96
68) m/p-Xylenes	12.070	106	6341267	484.003	ug/l	95
69) o-Xylene	12.400	106	2764658	214.944	ug/l	98
73) Isopropylbenzene	12.694	105	136555	4.268	ug/l	99
78) n-propylbenzene	13.035	91	307169	8.130	ug/l	97
80) 1,3,5-Trimethylbenzene	13.176	105	430369	16.286	ug/l	98
84) 1,2,4-Trimethylbenzene	13.482	105	1863896	70.177	ug/l	95
86) p-Isopropyltoluene	13.735	119	15222m	0.572	ug/l	
89) n-Butylbenzene	14.059	91	20845	0.883	ug/l #	85
95) Naphthalene	15.641	128	358322	13.684	ug/l	98

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

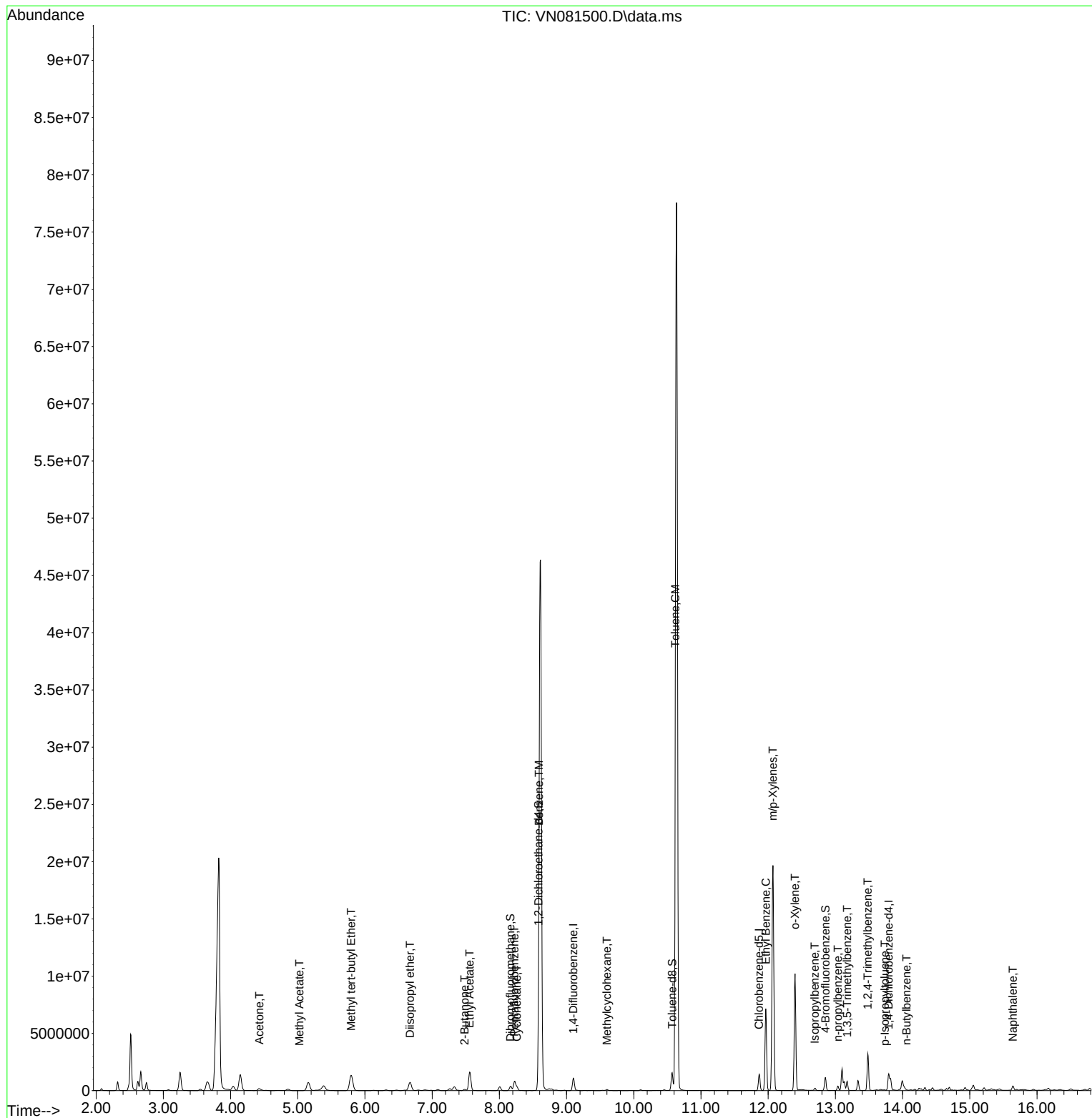
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032024\
Data File : VN081500.D
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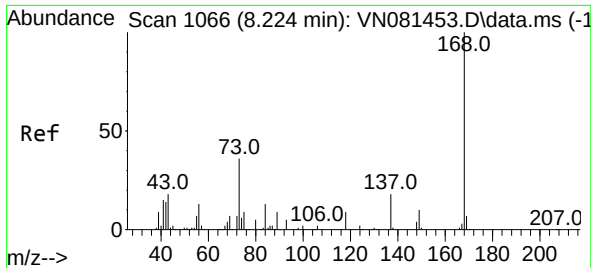
Instrument :
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ClientSampleId :
50296

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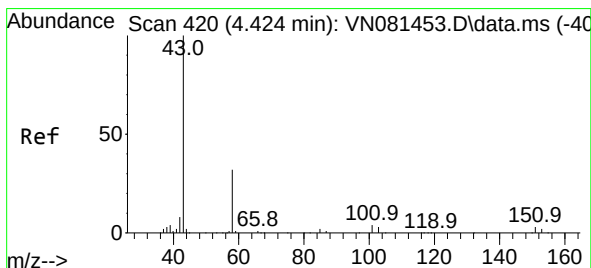
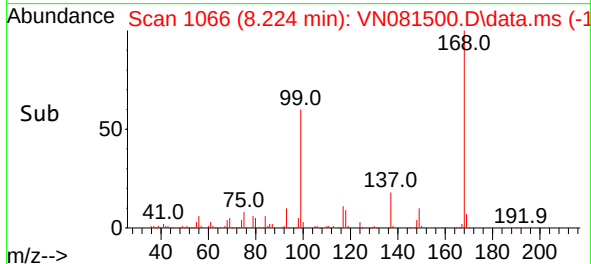
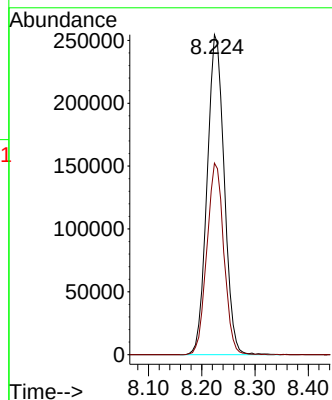
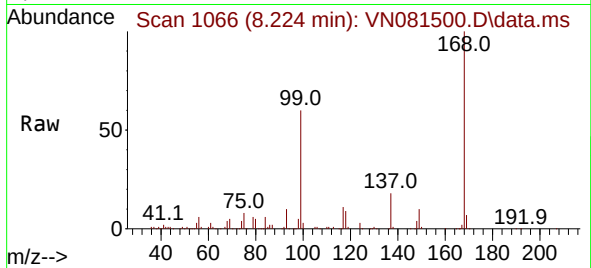
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN081500.D
Acq: 20 Mar 2024 17:46

Instrument :
MSVOA_N
ClientSampleId :
50296

Tgt Ion:168 Resp: 56754
Ion Ratio Lower Upper
168 100
99 59.8 59.9 89.9

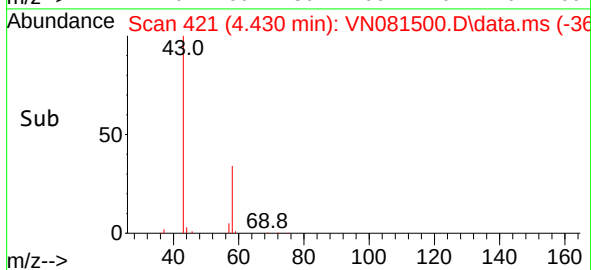
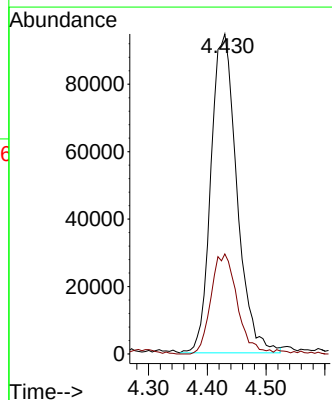
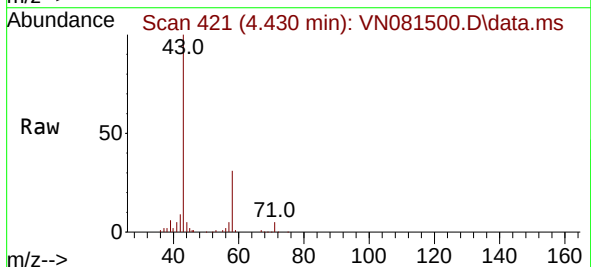
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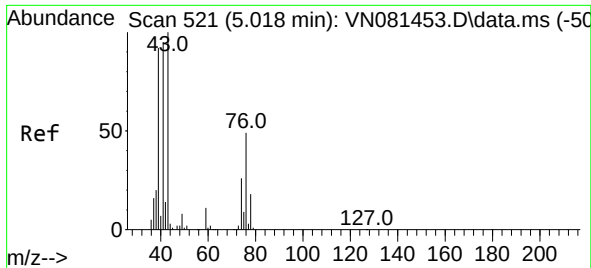
Reviewed By :John Carlone 03/21/2024
Supervised By :Mahesh Dadoda 03/21/2024



#16
Acetone
Concen: 124.078 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN081500.D
Acq: 20 Mar 2024 17:46

Tgt Ion: 43 Resp: 290224
Ion Ratio Lower Upper
43 100
58 31.4 24.8 37.2





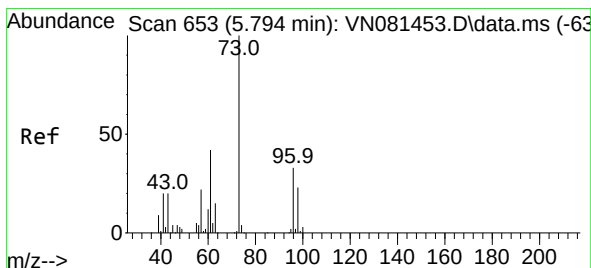
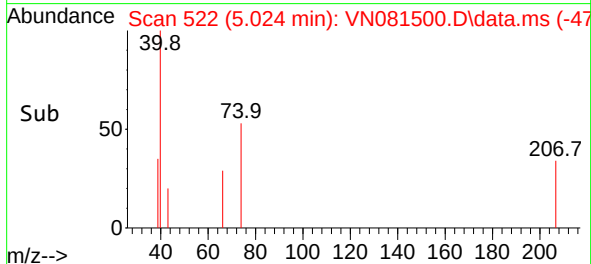
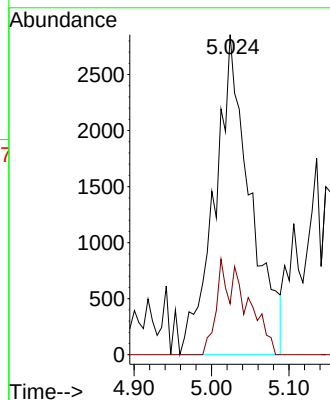
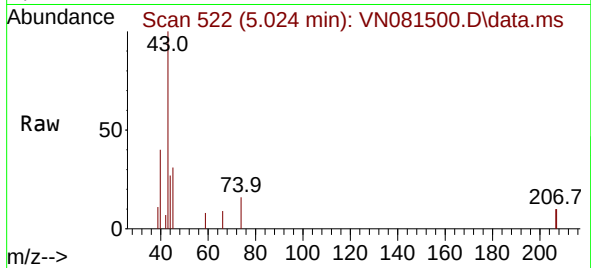
#18
Methyl Acetate
Concen: 1.264 ug/l
RT: 5.024 min Scan# 511
Delta R.T. 0.006 min
Lab File: VN081500.D
Acq: 20 Mar 2024 17:46

Instrument :
MSVOA_N
ClientSampleId :
50296

Tgt Ion: 43 Resp: 911
Ion Ratio Lower Upper
43 100
74 10.3 17.3 25.9

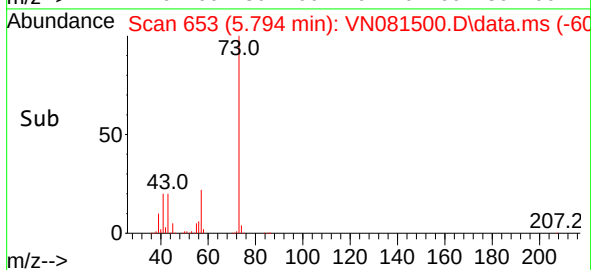
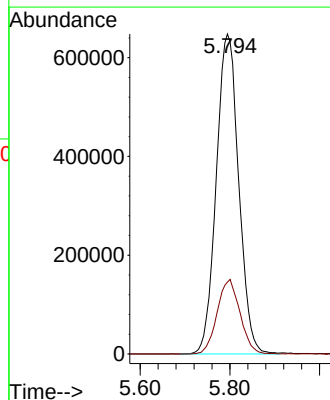
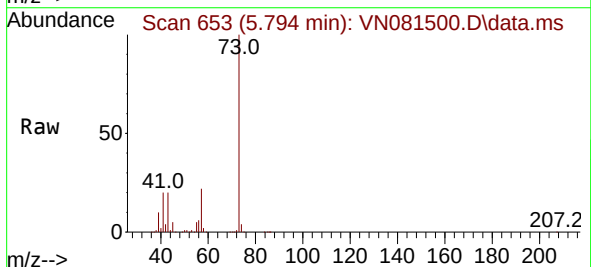
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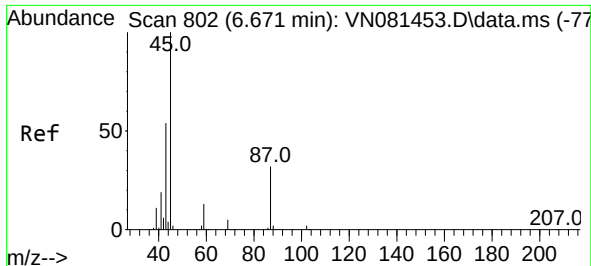
Reviewed By :John Carlone 03/21/2024
Supervised By :Mahesh Dadoda 03/21/2024



#19
Methyl tert-butyl Ether
Concen: 107.449 ug/l
RT: 5.794 min Scan# 653
Delta R.T. 0.000 min
Lab File: VN081500.D
Acq: 20 Mar 2024 17:46

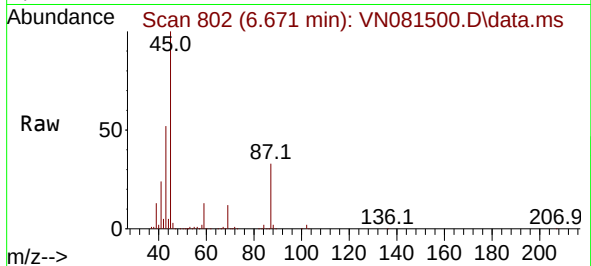
Tgt Ion: 73 Resp: 2252341
Ion Ratio Lower Upper
73 100
57 22.5 18.2 27.4





#22
Diisopropyl ether
Concen: 41.664 ug/l
RT: 6.671 min Scan# 802
Delta R.T. 0.000 min
Lab File: VN081500.D
Acq: 20 Mar 2024 17:46

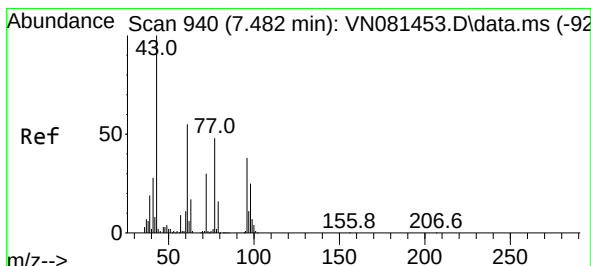
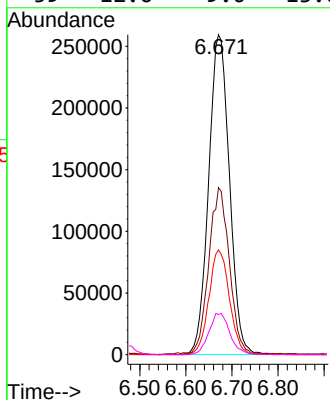
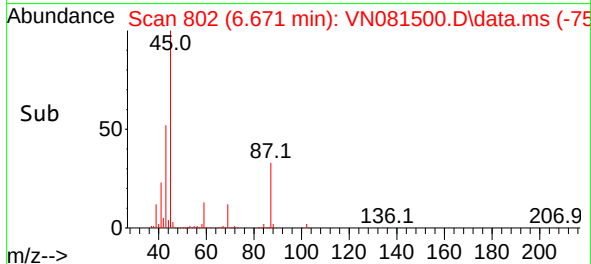
Instrument :
MSVOA_N
Client SampleId :
50296



Tgt Ion: 45 Resp: 81249
Ion Ratio Lower Upper
45 100
43 51.9 41.8 62.8
87 32.8 18.1 27.1
59 12.6 9.0 13.6

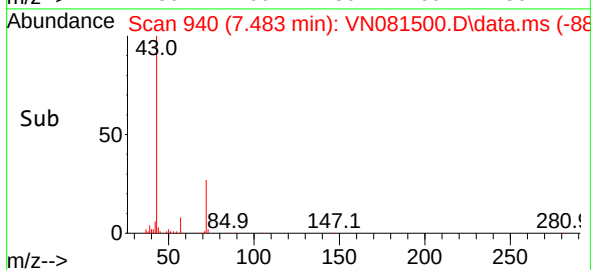
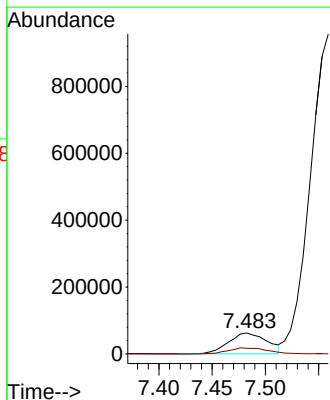
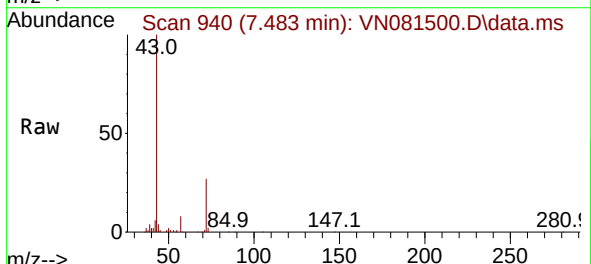
Manual Integrations
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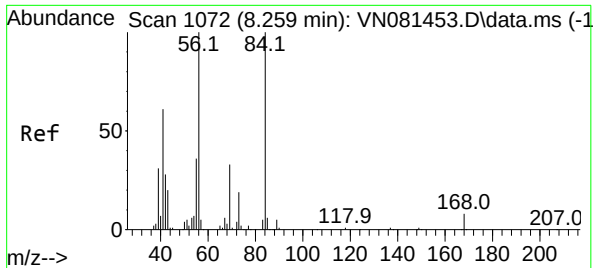
Reviewed By :John Carlone 03/21/2024
Supervised By :Mahesh Dadoda 03/21/2024



#25
2-Butanone
Concen: 39.429 ug/l
RT: 7.483 min Scan# 940
Delta R.T. 0.000 min
Lab File: VN081500.D
Acq: 20 Mar 2024 17:46

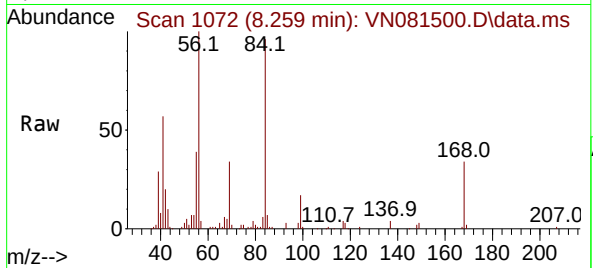
Tgt Ion: 43 Resp: 158189
Ion Ratio Lower Upper
43 100
72 26.9 19.5 29.3





#31
Cyclohexane
Concen: 16.077 ug/l
RT: 8.259 min Scan# 1072
Delta R.T. 0.000 min
Lab File: VN081500.D
Acq: 20 Mar 2024 17:46

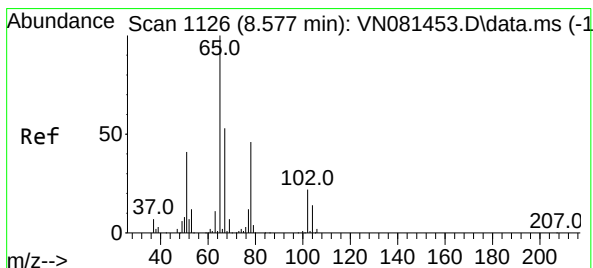
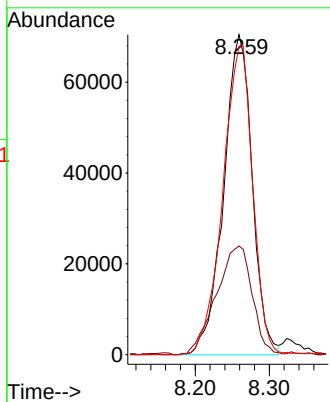
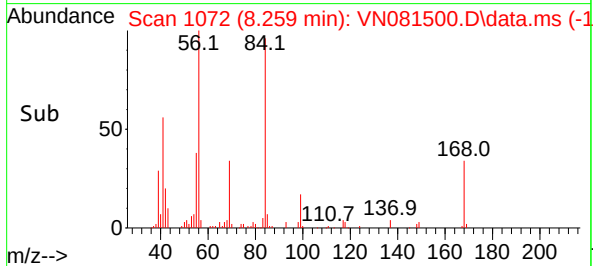
Instrument :
MSVOA_N
ClientSampleId :
50296



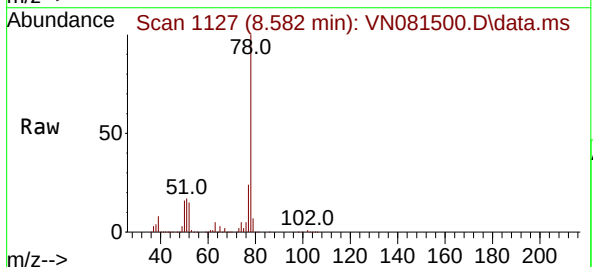
Tgt Ion: 56 Resp: 189352
Ion Ratio Lower Upper
56 100
69 33.9 20.1 30.1
84 96.4 56.9 85.3

Manual Integrations
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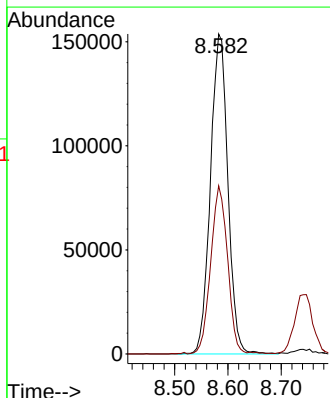
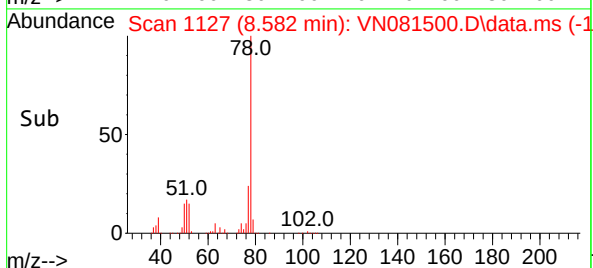
Reviewed By :John Carlone 03/21/2024
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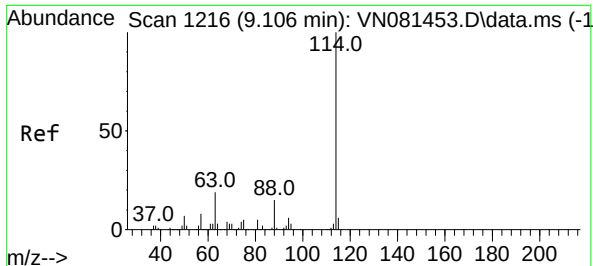


#33
1,2-Dichloroethane-d4
Concen: 48.227 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. 0.006 min
Lab File: VN081500.D
Acq: 20 Mar 2024 17:46



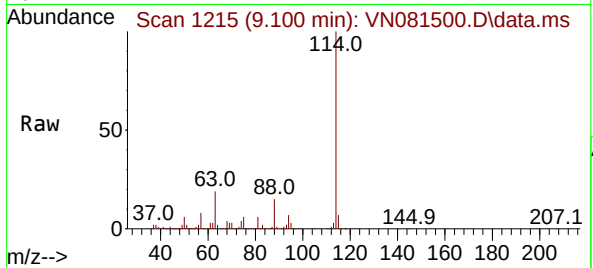
Tgt Ion: 65 Resp: 349055
Ion Ratio Lower Upper
65 100
67 51.1 0.0 102.4





#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN081500.D
Acq: 20 Mar 2024 17:46

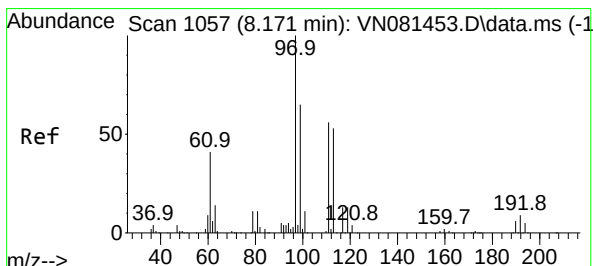
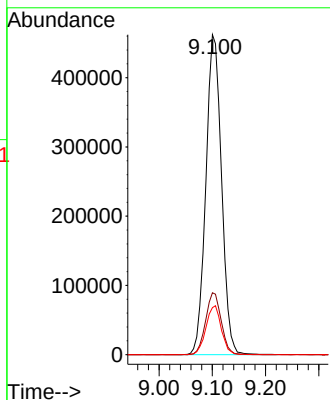
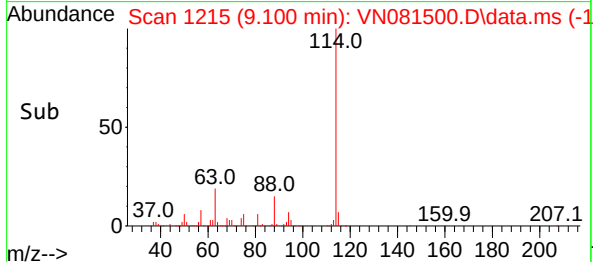
Instrument :
MSVOA_N
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50296



Tgt Ion:114 Resp: 944814
Ion Ratio Lower Upper
114 100
63 19.4 0.0 48.0
88 14.7 0.0 34.8

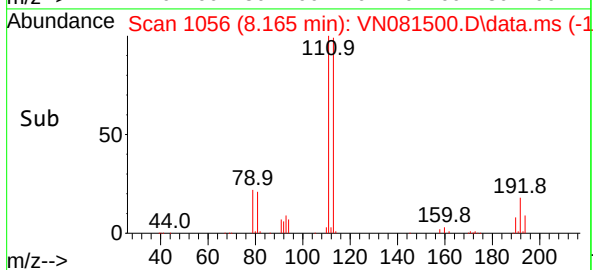
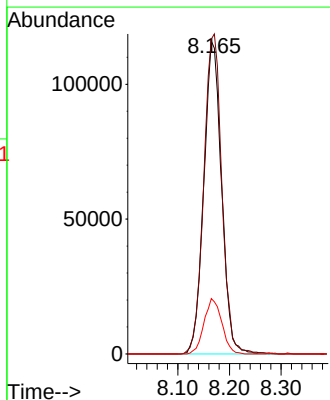
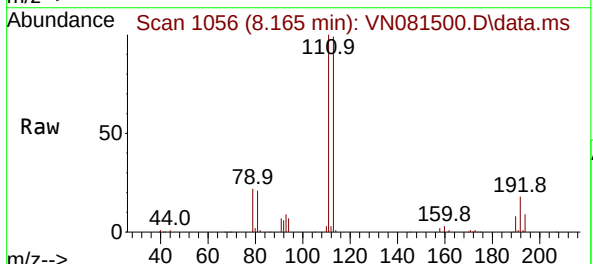
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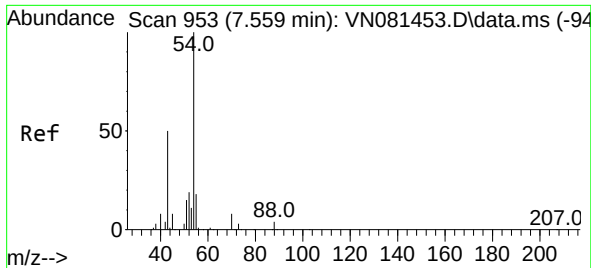
Reviewed By :John Carlone 03/21/2024
Supervised By :Mahesh Dadoda 03/21/2024



#35
Dibromofluoromethane
Concen: 46.429 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.006 min
Lab File: VN081500.D
Acq: 20 Mar 2024 17:46

Tgt Ion:113 Resp: 276845
Ion Ratio Lower Upper
113 100
111 103.4 82.2 123.4
192 17.7 12.5 18.7





#37

Ethyl Acetate

Concen: 273.863 ug/l

RT: 7.559 min Scan# 91

Delta R.T. 0.000 min

Lab File: VN081500.D

Acq: 20 Mar 2024 17:46

Instrument :

MSVOA_N

ClientSampleId :

50296

Tgt Ion: 43 Resp: 235319

Ion Ratio Lower Upper

43 100

61 15.5 10.6 15.8

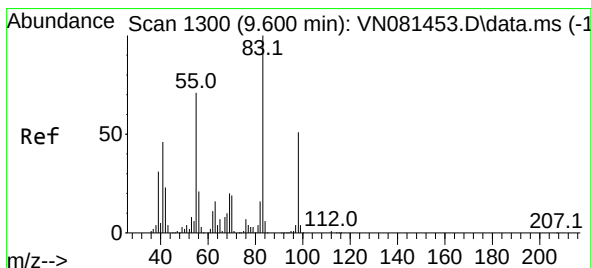
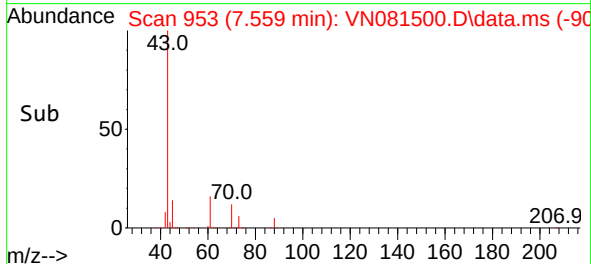
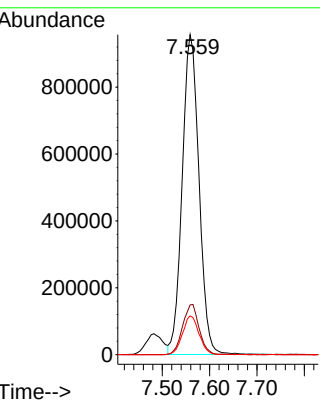
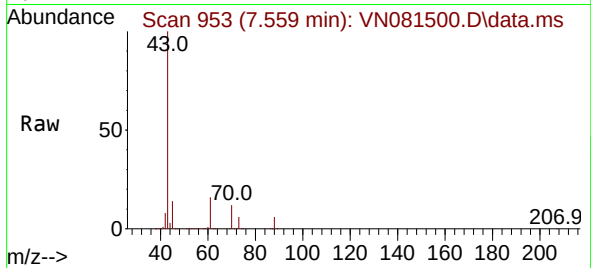
70 12.0 8.0 12.0

Manual Integrations

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Reviewed By :John Carlone 03/21/2024

Supervised By :Mahesh Dadoda 03/21/2024



#39

Methylcyclohexane

Concen: 3.605 ug/l

RT: 9.600 min Scan# 1300

Delta R.T. 0.000 min

Lab File: VN081500.D

Acq: 20 Mar 2024 17:46

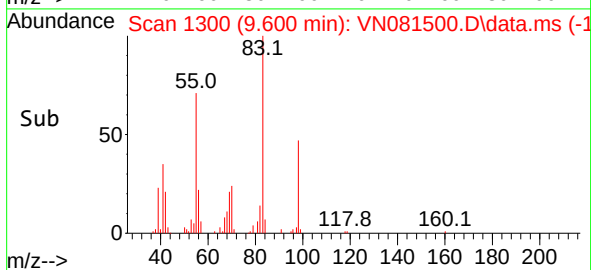
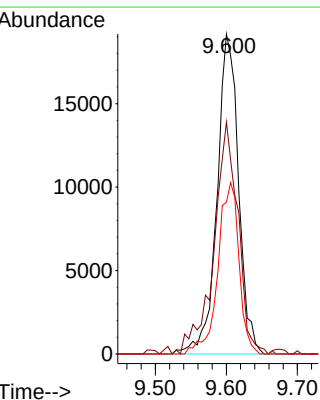
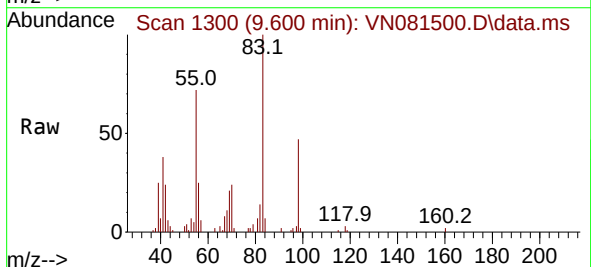
Tgt Ion: 83 Resp: 40394

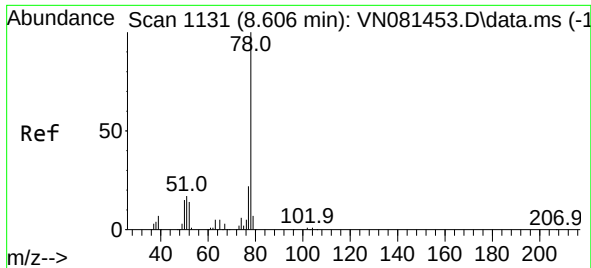
Ion Ratio Lower Upper

83 100

55 72.4 65.7 98.5

98 47.4 33.8 50.6





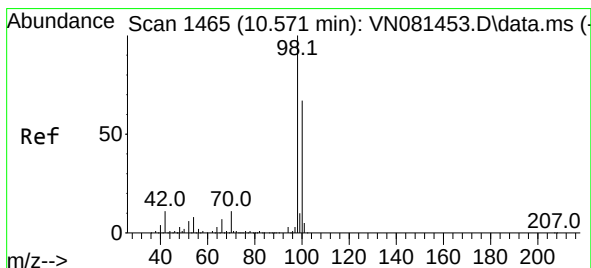
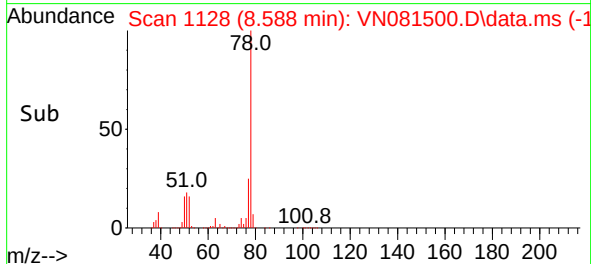
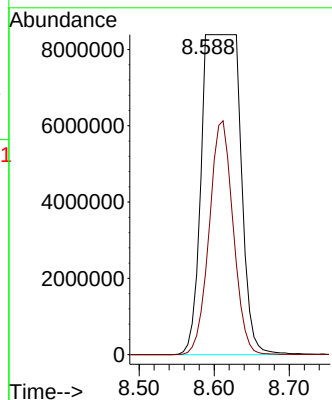
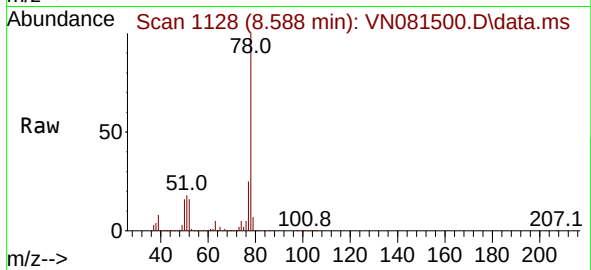
#40
Benzene
Concen: 1024.021 ug/l m
RT: 8.588 min Scan# 1131
Delta R.T. -0.018 min
Lab File: VN081500.D
Acq: 20 Mar 2024 17:46

Instrument :
MSVOA_N
ClientSampleId :
50296

Tgt Ion: 78 Resp: 30041528
Ion Ratio Lower Upper
78 100
77 25.3 20.4 30.6

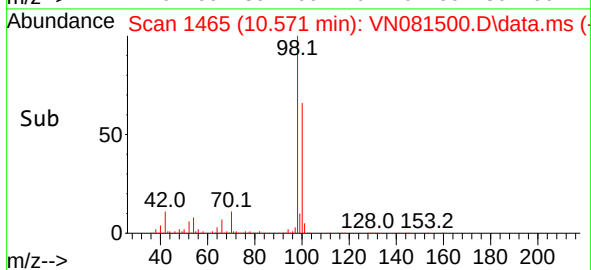
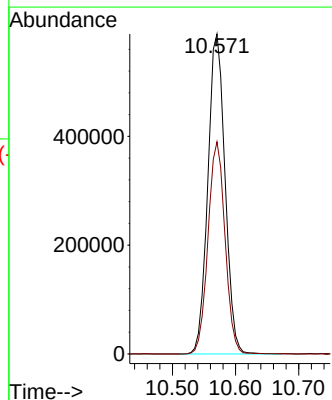
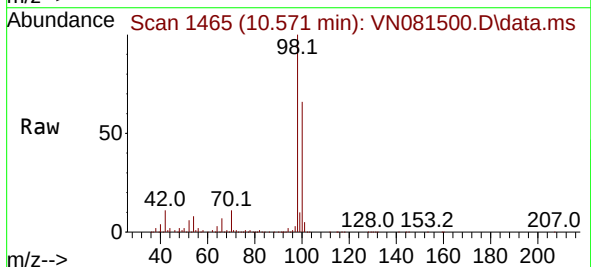
Manual Integrations
APPROVED

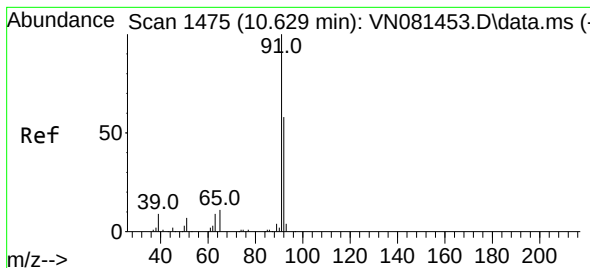
Reviewed By :John Carlone 03/21/2024
Supervised By :Mahesh Dadoda 03/21/2024



#50
Toluene-d8
Concen: 51.629 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VN081500.D
Acq: 20 Mar 2024 17:46

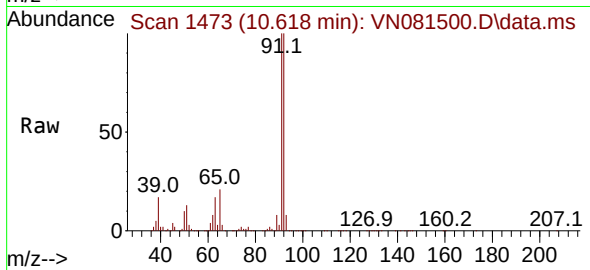
Tgt Ion: 98 Resp: 1112837
Ion Ratio Lower Upper
98 100
100 65.6 51.4 77.0





#52
Toluene
Concen: 1343.562 ug/l m
RT: 10.618 min Scan# 1475
Delta R.T. -0.012 min
Lab File: VN081500.D
Acq: 20 Mar 2024 17:46

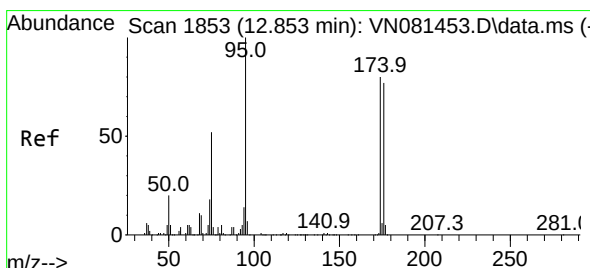
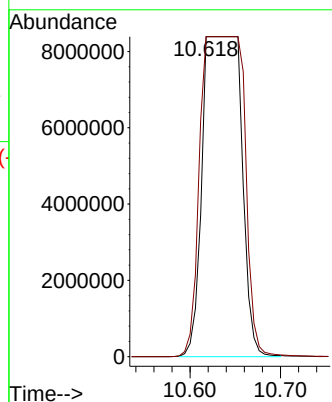
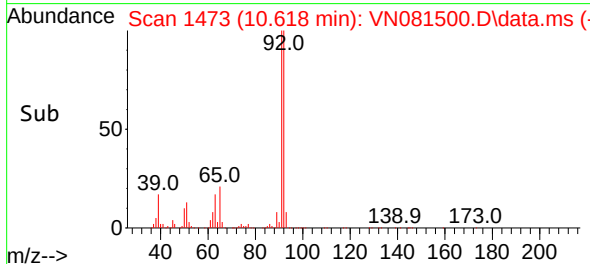
Instrument :
MSVOA_N
ClientSampleId :
50296



Tgt Ion: 92 Resp: 25052474
Ion Ratio Lower Upper
92 100
91 0.0 139.4 209.0

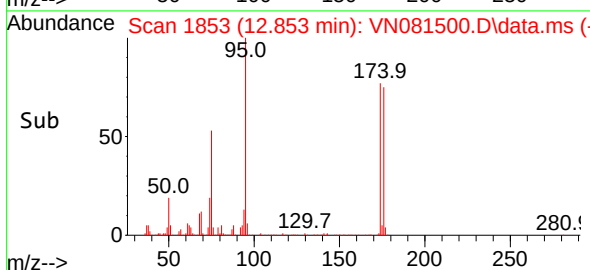
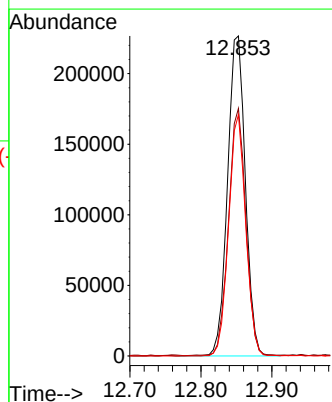
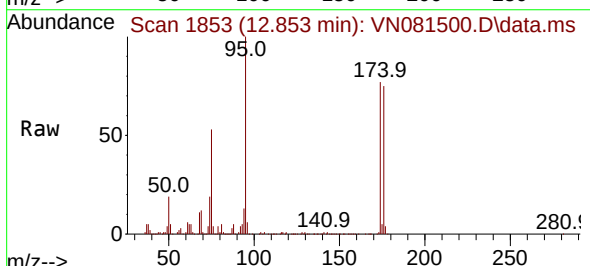
Manual Integrations
APPROVED

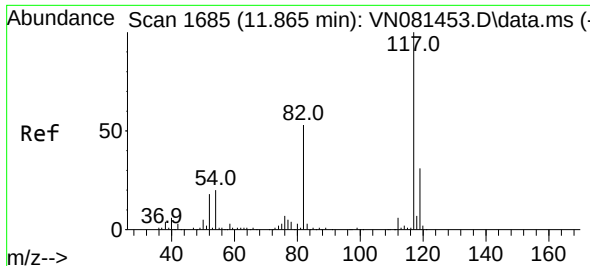
Reviewed By : John Carlone 03/21/2024
Supervised By : Mahesh Dadoda 03/21/2024



#62
4-Bromofluorobenzene
Concen: 52.052 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VN081500.D
Acq: 20 Mar 2024 17:46

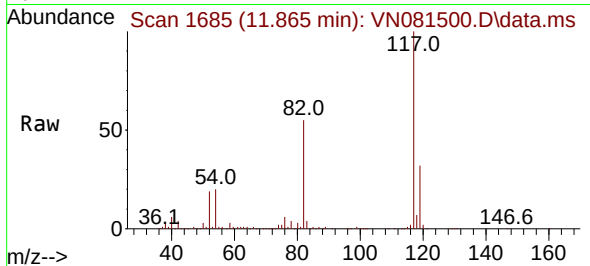
Tgt Ion: 95 Resp: 395336
Ion Ratio Lower Upper
95 100
174 75.3 0.0 120.4
176 72.2 0.0 121.0





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1170
Delta R.T. 0.000 min
Lab File: VN081500.D
Acq: 20 Mar 2024 17:46

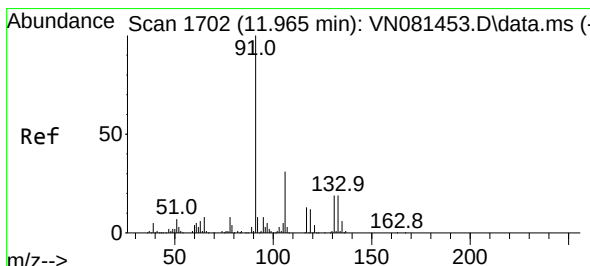
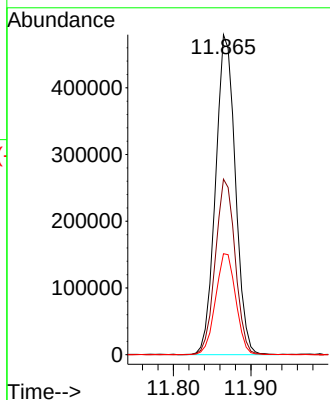
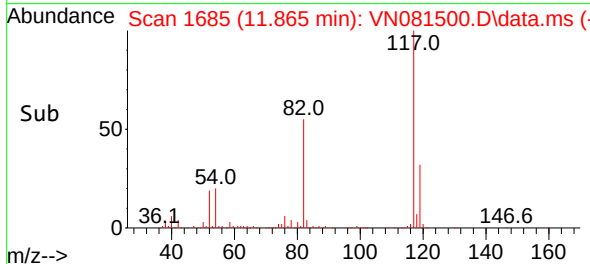
Instrument :
MSVOA_N
ClientSampleId :
50296



Tgt Ion:117 Resp: 851070
Ion Ratio Lower Upper
117 100
82 54.9 52.7 79.1
119 31.5 25.3 37.9

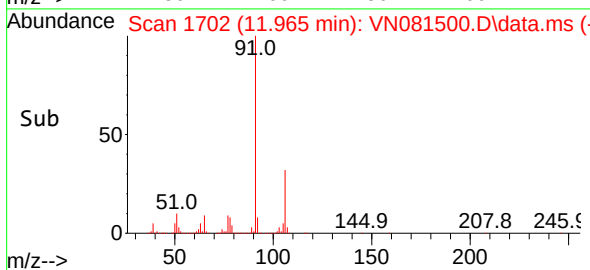
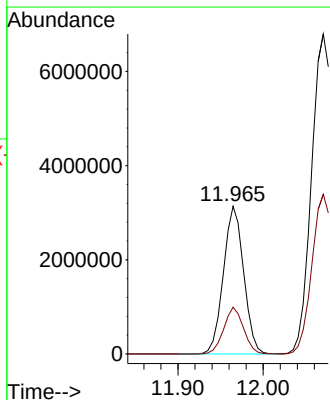
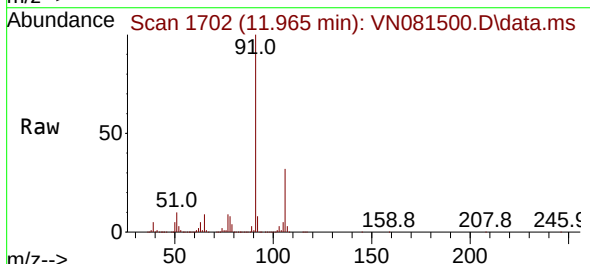
Manual Integrations
APPROVED

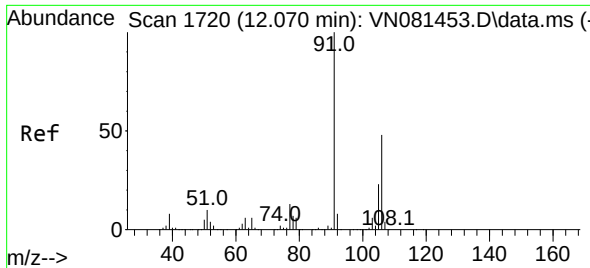
Reviewed By :John Carlone 03/21/2024
Supervised By :Mahesh Dadoda 03/21/2024



#67
Ethyl Benzene
Concen: 148.259 ug/l
RT: 11.965 min Scan# 1702
Delta R.T. 0.000 min
Lab File: VN081500.D
Acq: 20 Mar 2024 17:46

Tgt Ion: 91 Resp: 5181442
Ion Ratio Lower Upper
91 100
106 31.6 23.8 35.6





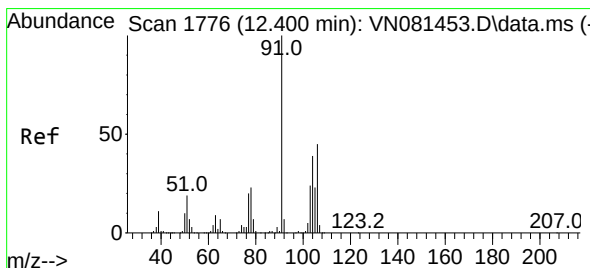
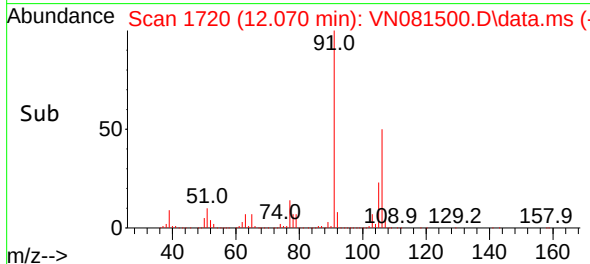
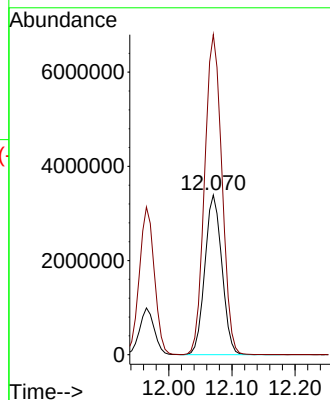
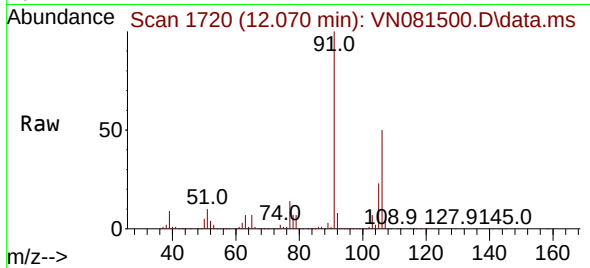
#68
m/p-Xylenes
Concen: 484.003 ug/l
RT: 12.070 min Scan# 1720
Delta R.T. 0.000 min
Lab File: VN081500.D
Acq: 20 Mar 2024 17:46

Instrument :
MSVOA_N
ClientSampleId :
50296

Tgt Ion:106 Resp: 634126
Ion Ratio Lower Upper
106 100
91 204.2 169.0 253.6

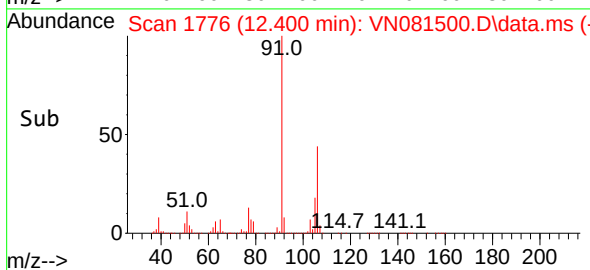
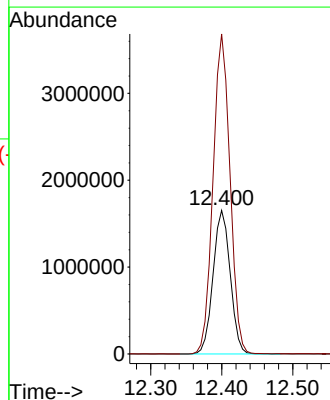
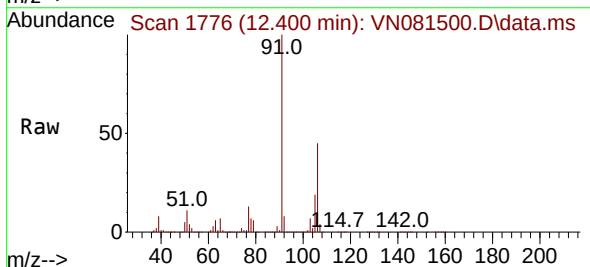
Manual Integrations
APPROVED

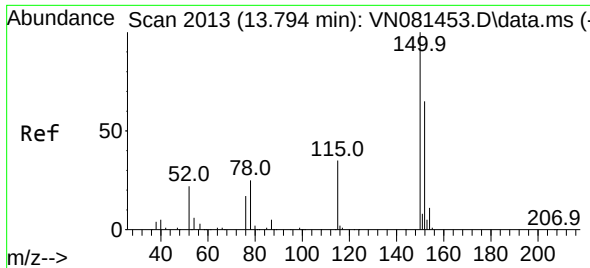
Reviewed By :John Carlone 03/21/2024
Supervised By :Mahesh Dadoda 03/21/2024



#69
o-Xylene
Concen: 214.944 ug/l
RT: 12.400 min Scan# 1776
Delta R.T. 0.000 min
Lab File: VN081500.D
Acq: 20 Mar 2024 17:46

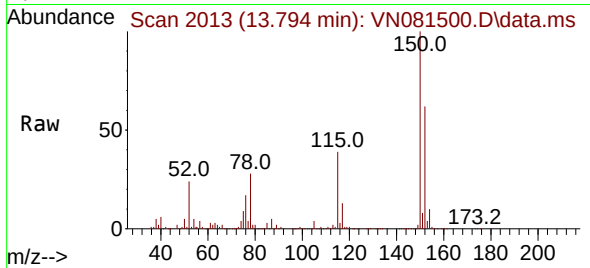
Tgt Ion:106 Resp: 2764658
Ion Ratio Lower Upper
106 100
91 220.8 112.1 336.3





#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.000 min
Lab File: VN081500.D
Acq: 20 Mar 2024 17:46

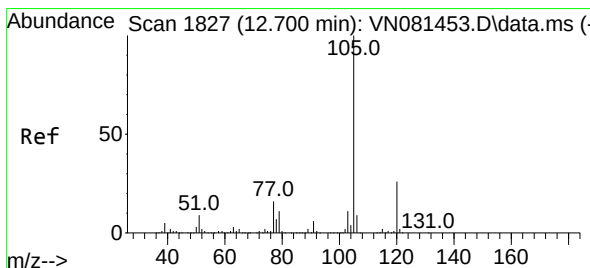
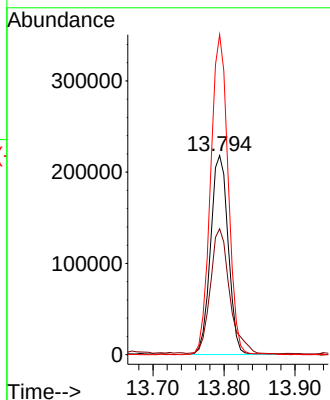
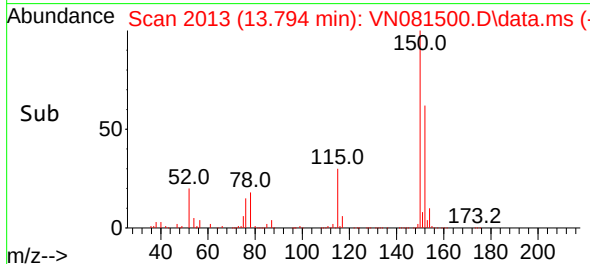
Instrument :
MSVOA_N
ClientSampleId :
50296



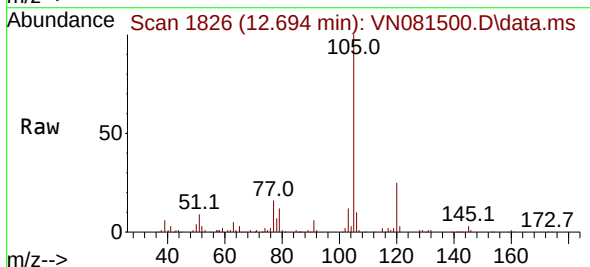
Tgt Ion:152 Resp: 37534
Ion Ratio Lower Upper
152 100
115 68.6 32.3 96.8
150 159.8 0.0 339.8

Manual Integrations
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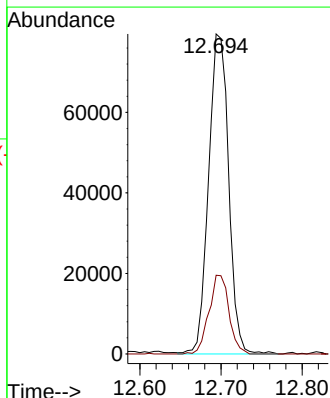
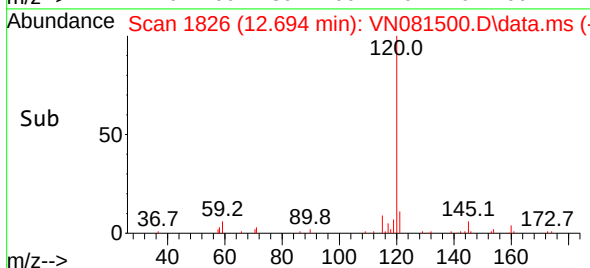
Reviewed By :John Carlone 03/21/2024
Supervised By :Mahesh Dadoda 03/21/2024

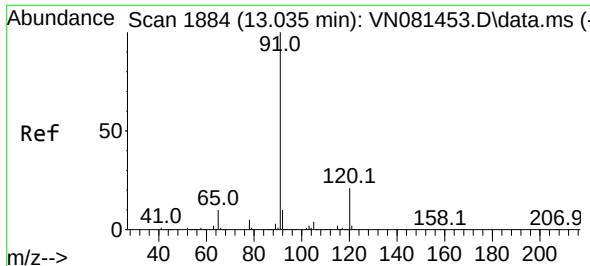


#73
Isopropylbenzene
Concen: 4.268 ug/l
RT: 12.694 min Scan# 1826
Delta R.T. -0.006 min
Lab File: VN081500.D
Acq: 20 Mar 2024 17:46



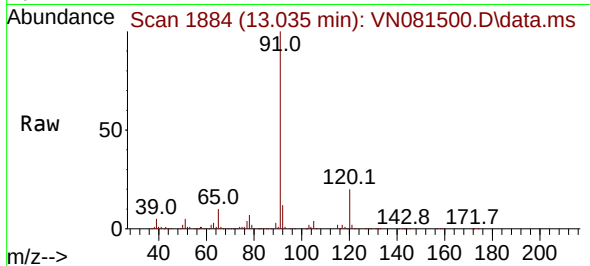
Tgt Ion:105 Resp: 136555
Ion Ratio Lower Upper
105 100
120 24.5 12.6 37.6





#78
n-propylbenzene
Concen: 8.130 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. 0.000 min
Lab File: VN081500.D
Acq: 20 Mar 2024 17:46

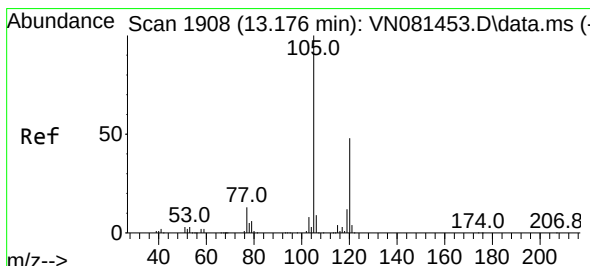
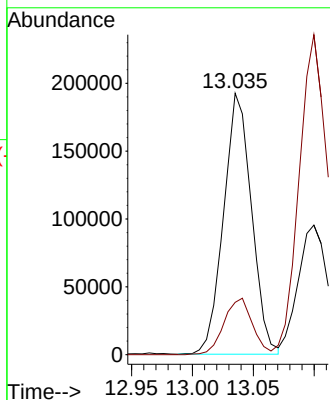
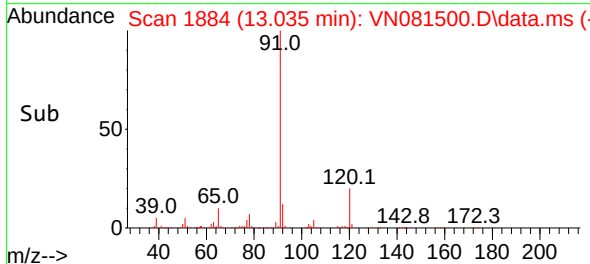
Instrument :
MSVOA_N
ClientSampleId :
50296



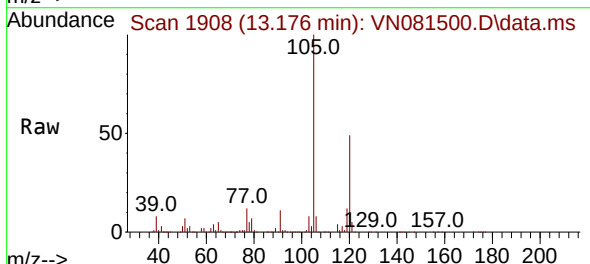
Tgt Ion: 91 Resp: 307169
Ion Ratio Lower Upper
91 100
120 22.0 10.3 30.9

Manual Integrations
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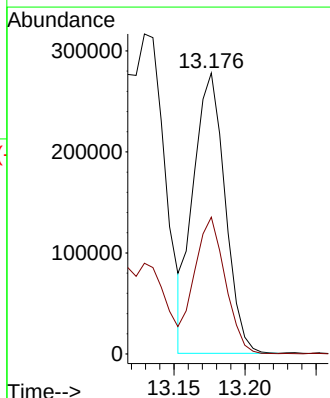
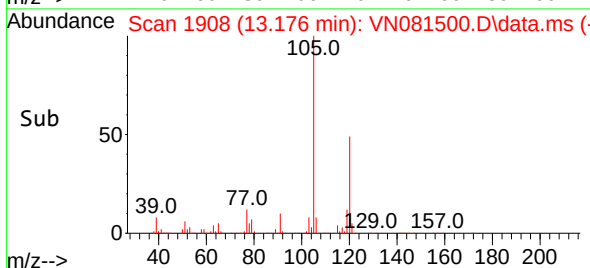
Reviewed By :John Carlone 03/21/2024
Supervised By :Mahesh Dadoda 03/21/2024

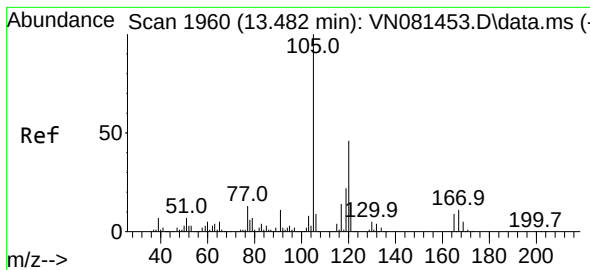


#80
1,3,5-Trimethylbenzene
Concen: 16.286 ug/l
RT: 13.176 min Scan# 1908
Delta R.T. 0.000 min
Lab File: VN081500.D
Acq: 20 Mar 2024 17:46



Tgt Ion:105 Resp: 430369
Ion Ratio Lower Upper
105 100
120 47.6 23.0 69.0





#84

1,2,4-Trimethylbenzene

Concen: 70.177 ug/l

RT: 13.482 min Scan# 1960

Delta R.T. 0.000 min

Lab File: VN081500.D

Acq: 20 Mar 2024 17:46

Instrument :

MSVOA_N

ClientSampleId :

50296

Tgt Ion:105 Resp: 1863890

Ion Ratio Lower Upper

105 100

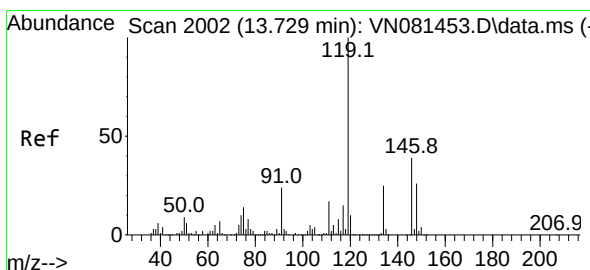
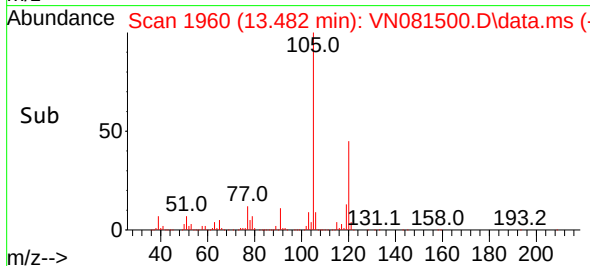
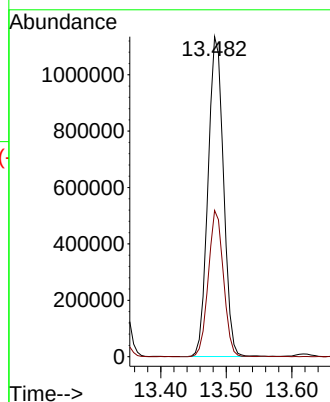
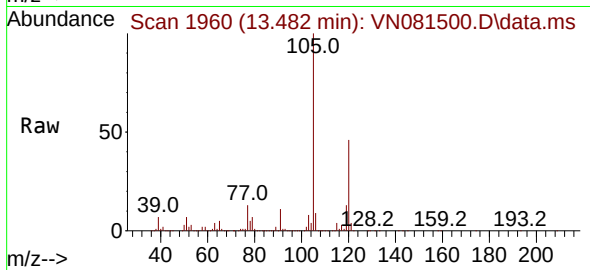
120 44.7 20.9 62.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/21/2024

Supervised By :Mahesh Dadoda 03/21/2024



#86

p-Isopropyltoluene

Concen: 0.572 ug/l m

RT: 13.735 min Scan# 2003

Delta R.T. 0.006 min

Lab File: VN081500.D

Acq: 20 Mar 2024 17:46

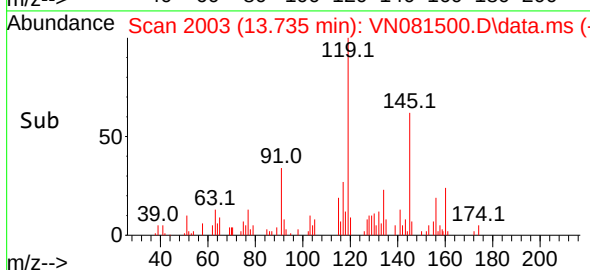
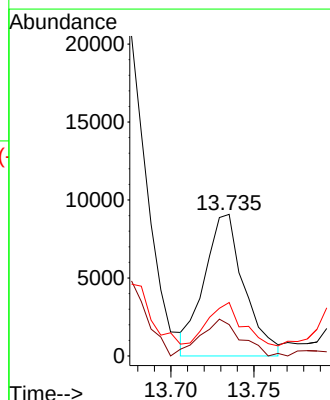
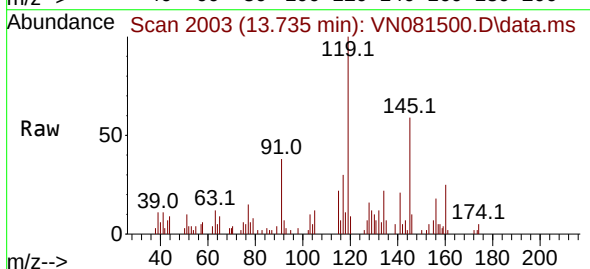
Tgt Ion:119 Resp: 15222

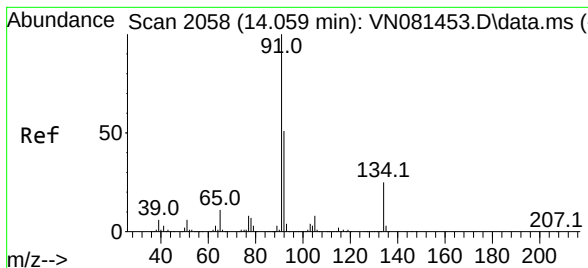
Ion Ratio Lower Upper

119 100

134 53.3 12.4 37.2#

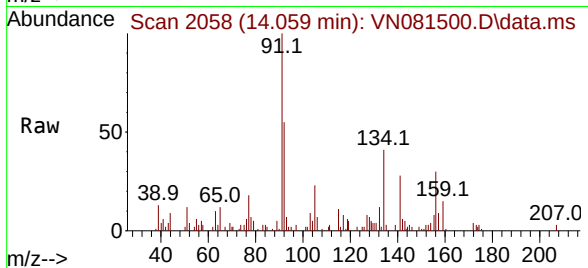
91 47.4 13.5 40.4#





#89
n-Butylbenzene
Concen: 0.883 ug/l
RT: 14.059 min Scan# 2058
Delta R.T. 0.000 min
Lab File: VN081500.D
Acq: 20 Mar 2024 17:46

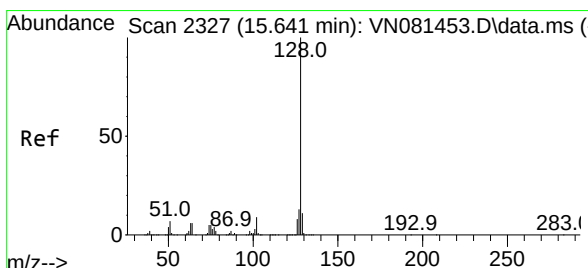
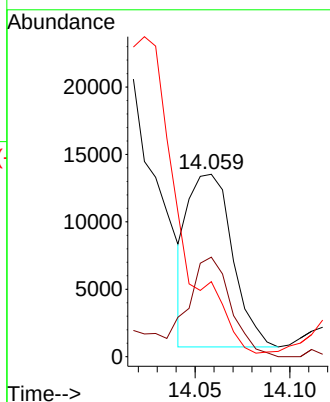
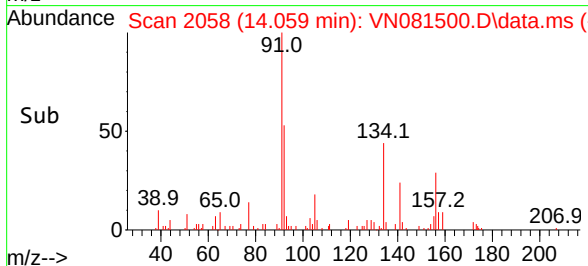
Instrument :
MSVOA_N
ClientSampleId :
50296



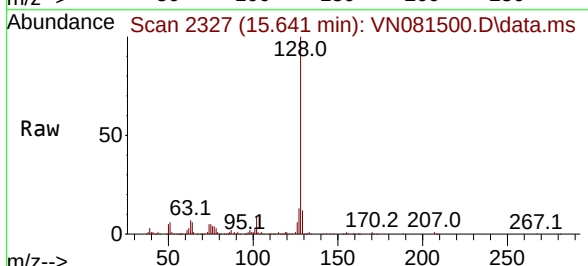
Tgt Ion: 91 Resp: 20849
Ion Ratio Lower Upper
91 100
92 55.2 26.7 80.1
134 0.0 10.8 32.4

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/21/2024
Supervised By :Mahesh Dadoda 03/21/2024



#95
Naphthalene
Concen: 13.684 ug/l
RT: 15.641 min Scan# 2327
Delta R.T. 0.000 min
Lab File: VN081500.D
Acq: 20 Mar 2024 17:46



Tgt Ion:128 Resp: 358322
Ion Ratio Lower Upper
128 100
127 13.2 10.0 15.0
129 11.4 8.7 13.1

