

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051624\
 Data File : VN082163.D
 Acq On : 16 May 2024 15:43
 Operator : JC\MD
 Sample : P2502-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 240515064-02-VOA

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 05/17/2024
 Supervised By :Semsettin Yesilyurt 05/17/2024

Quant Time: May 17 05:03:26 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051524W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 17 04:08:43 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	189027	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	321222	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	306467	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	134364	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	151530	50.767	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 101.540%			
35) Dibromofluoromethane	8.165	113	107025	54.162	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 108.320%			
50) Toluene-d8	10.565	98	416095	54.924	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 109.840%			
62) 4-Bromofluorobenzene	12.847	95	143339	53.010	ug/l	0.00
Spiked Amount 50.000	Range 64 - 133		Recovery = 106.020%			
Target Compounds					Qvalue	
8) Diethyl Ether	3.959	74	5459	4.030	ug/l	65
11) Tert butyl alcohol	5.512	59	2363112	4932.152	ug/l	99
16) Acetone	4.418	43	724147	591.425	ug/l	91
17) Carbon Disulfide	4.712	76	46078	6.911	ug/l	97
19) Methyl tert-butyl Ether	5.789	73	19908	2.638	ug/l #	75
25) 2-Butanone	7.477	43	1136236	612.063	ug/l #	82
29) Tetrahydrofuran	7.835	42	799301	670.604	ug/l #	82
40) Benzene	8.606	78	54484	5.513	ug/l	100
51) 4-Methyl-2-Pentanone	10.447	43	37314m	9.993	ug/l	
52) Toluene	10.629	92	42175	7.111	ug/l	98
65) Chlorobenzene	11.894	112	12475	1.843	ug/l	94
67) Ethyl Benzene	11.965	91	111205	9.182	ug/l	98
68) m/p-Xylenes	12.070	106	39038	8.795	ug/l	98
69) o-Xylene	12.400	106	24071	5.598	ug/l	90
73) Isopropylbenzene	12.694	105	16086	1.507	ug/l	100
78) n-propylbenzene	13.035	91	6962	0.551	ug/l	94
80) 1,3,5-Trimethylbenzene	13.176	105	7513	0.870	ug/l	97
84) 1,2,4-Trimethylbenzene	13.482	105	32554	3.687	ug/l	99
86) p-Isopropyltoluene	13.735	119	29848	3.509	ug/l	97
88) 1,4-Dichlorobenzene	13.812	146	14411	3.064	ug/l #	81
95) Naphthalene	15.641	128	331767	43.293	ug/l	99

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

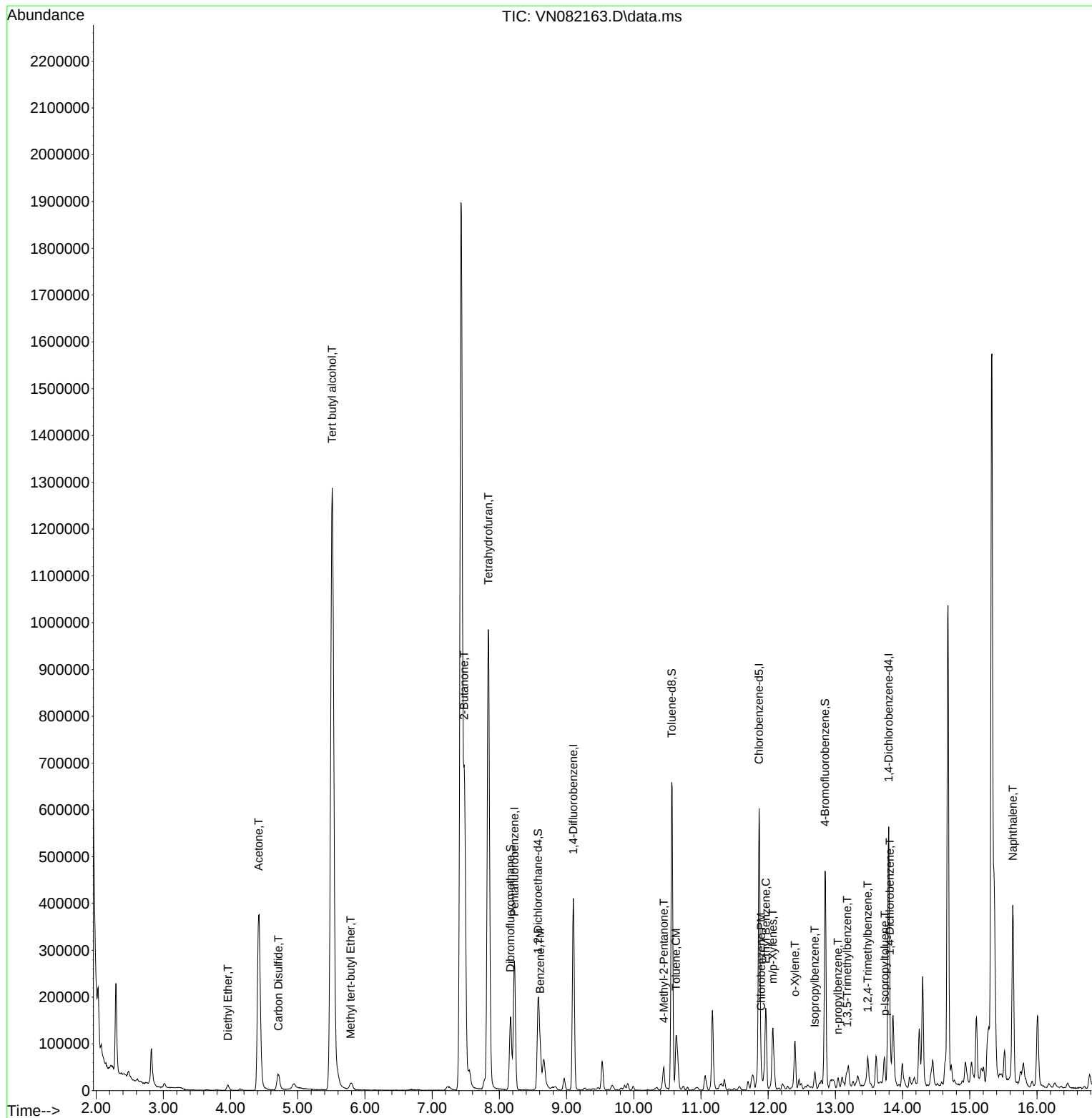
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051624\
Data File : VN082163.D
Acq On : 16 May 2024 15:43
Operator : JC\MD
Sample : P2502-01
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ALS Vial : 17 Sample Multiplier: 1

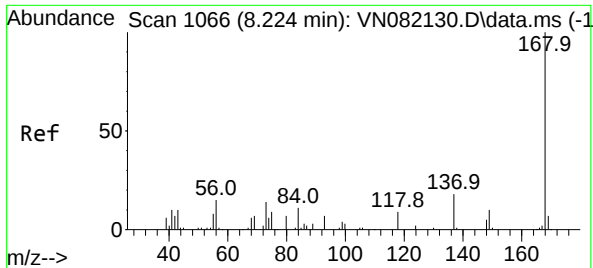
Instrument :
MSVOA_N
ClientSampleId :
240515064-02-VOA

Quant Time: May 17 05:03:26 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051524W.M
Quant Title : SW846 8260
QLast Update : Fri May 17 04:08:43 2024
Response via : Initial Calibration

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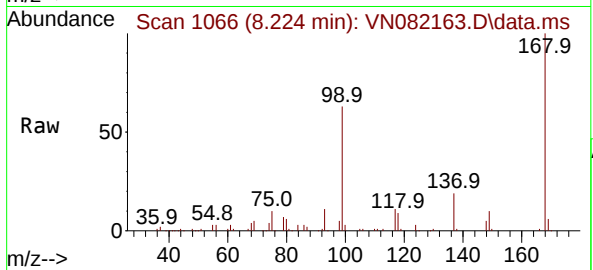
Reviewed By :Mahesh Dadoda 05/17/2024
Supervised By :Semsettin Yesilyurt 05/17/2024





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN082163.D
Acq: 16 May 2024 15:43

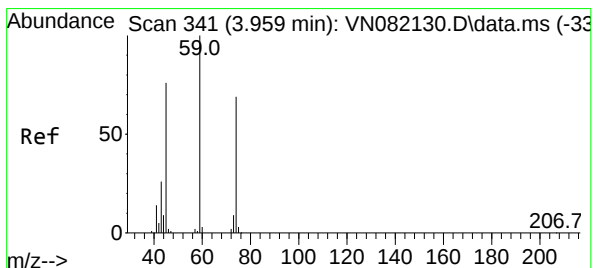
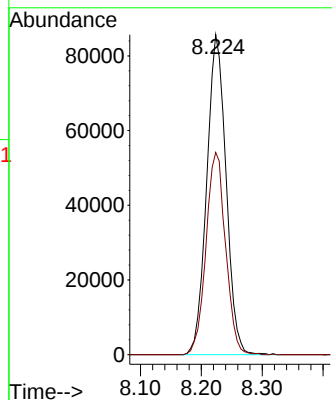
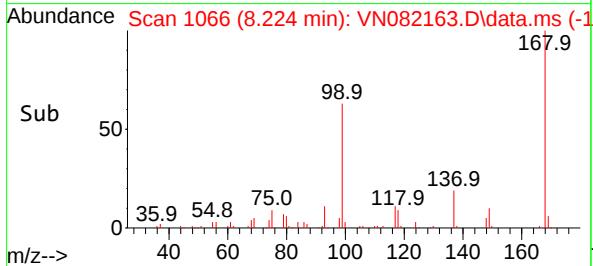
Instrument :
MSVOA_N
ClientSampleId :
240515064-02-VOA



Tgt Ion:168 Resp: 18902
Ion Ratio Lower Upper
168 100
99 63.2 48.2 72.4

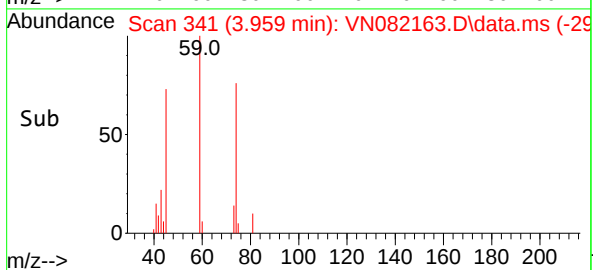
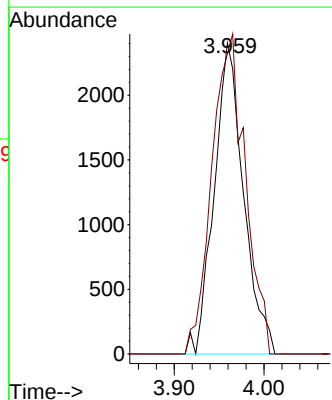
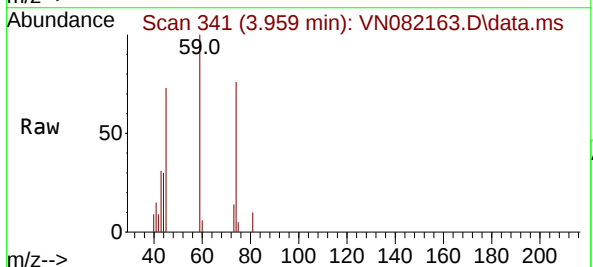
Manual Integrations
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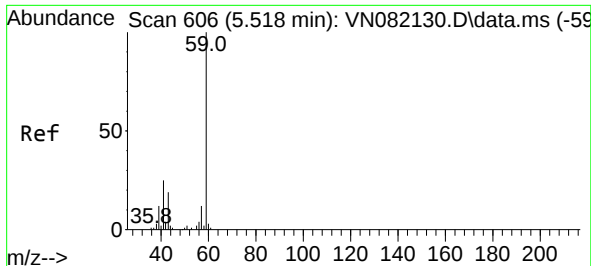
Reviewed By :Mahesh Dadoda 05/17/2024
Supervised By :Semsettin Yesilyurt 05/17/2024



#8
Diethyl Ether
Concen: 4.030 ug/l
RT: 3.959 min Scan# 341
Delta R.T. -0.000 min
Lab File: VN082163.D
Acq: 16 May 2024 15:43

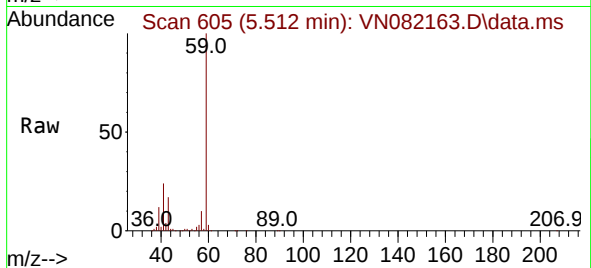
Tgt Ion: 74 Resp: 5459
Ion Ratio Lower Upper
74 100
45 117.1 42.4 127.3





#11
Tert butyl alcohol
Concen: 4932.152 ug/l
RT: 5.512 min Scan# 605
Delta R.T. -0.006 min
Lab File: VN082163.D
Acq: 16 May 2024 15:43

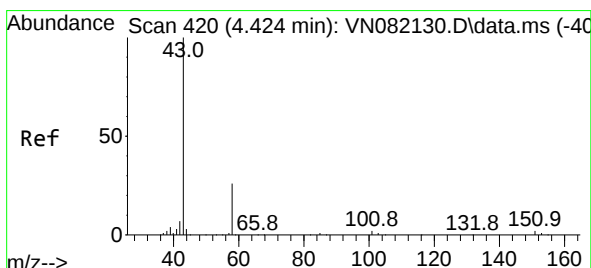
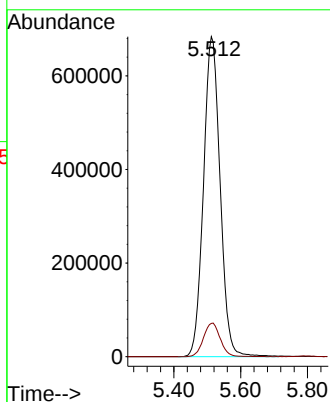
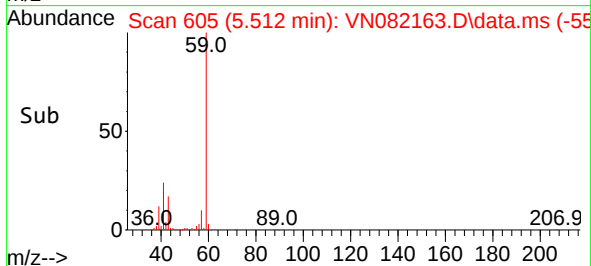
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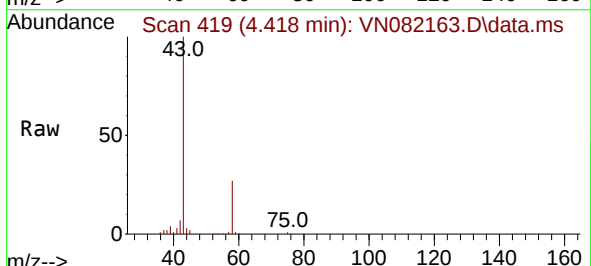
Tgt Ion: 59 Resp: 236311
Ion Ratio Lower Upper
59 100
57 10.6 8.9 13.3

Manual Integrations
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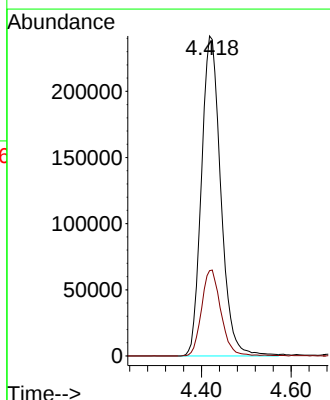
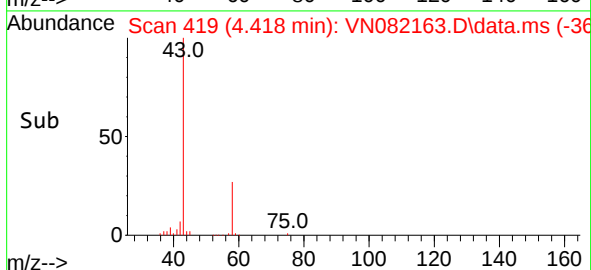
Reviewed By :Mahesh Dadoda 05/17/2024
Supervised By :Semsettin Yesilyurt 05/17/2024

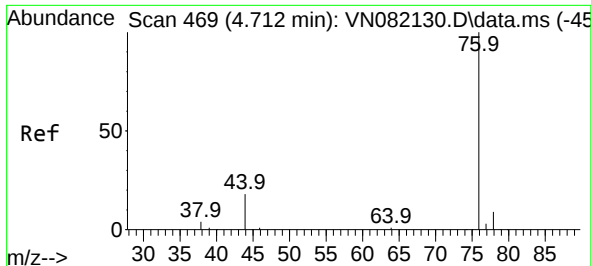


#16
Acetone
Concen: 591.425 ug/l
RT: 4.418 min Scan# 419
Delta R.T. -0.006 min
Lab File: VN082163.D
Acq: 16 May 2024 15:43



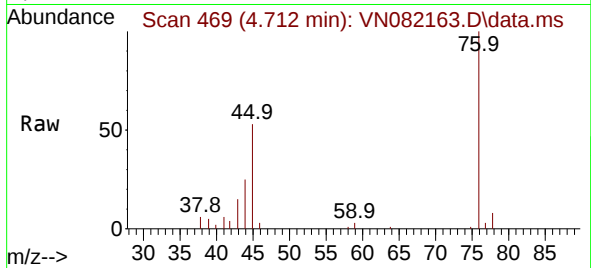
Tgt Ion: 43 Resp: 724147
Ion Ratio Lower Upper
43 100
58 26.7 25.2 37.8





#17
Carbon Disulfide
Concen: 6.911 ug/l
RT: 4.712 min Scan# 469
Delta R.T. -0.000 min
Lab File: VN082163.D
Acq: 16 May 2024 15:43

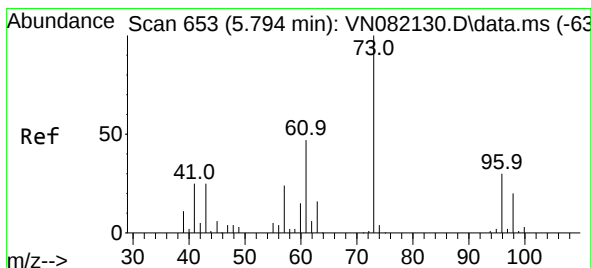
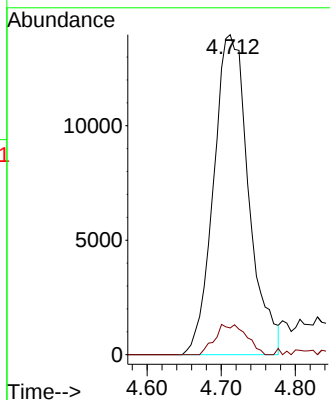
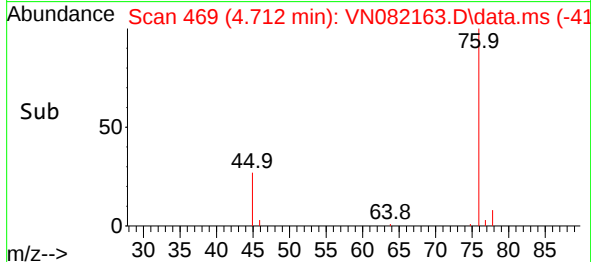
Instrument :
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240515064-02-VOA



Tgt Ion: 76 Resp: 46078
Ion Ratio Lower Upper
76 100
78 8.4 7.5 11.3

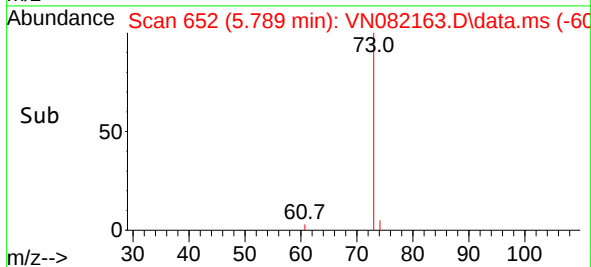
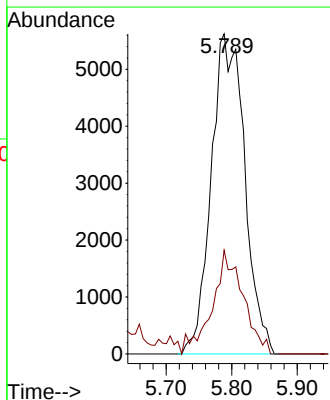
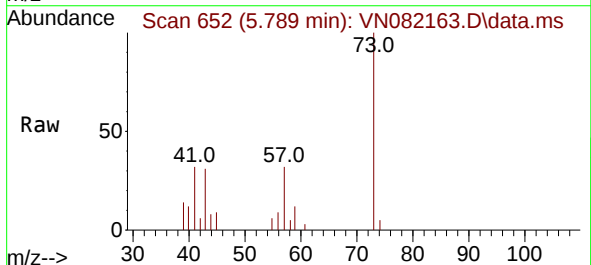
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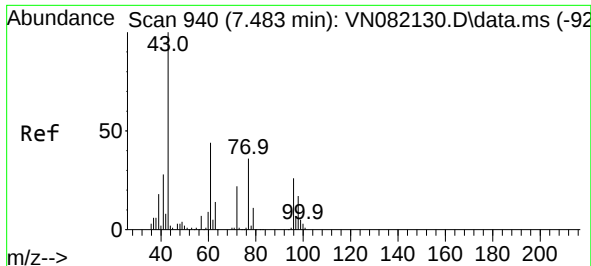
Reviewed By :Mahesh Dadoda 05/17/2024
Supervised By :Semsettin Yesilyurt 05/17/2024



#19
Methyl tert-butyl Ether
Concen: 2.638 ug/l
RT: 5.789 min Scan# 652
Delta R.T. -0.006 min
Lab File: VN082163.D
Acq: 16 May 2024 15:43

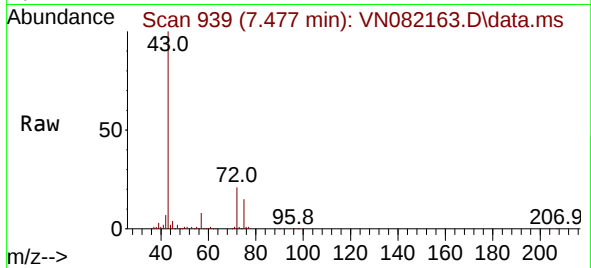
Tgt Ion: 73 Resp: 19908
Ion Ratio Lower Upper
73 100
57 32.4 16.5 24.7#





#25
2-Butanone
Concen: 612.063 ug/l
RT: 7.477 min Scan# 91
Delta R.T. -0.006 min
Lab File: VN082163.D
Acq: 16 May 2024 15:43

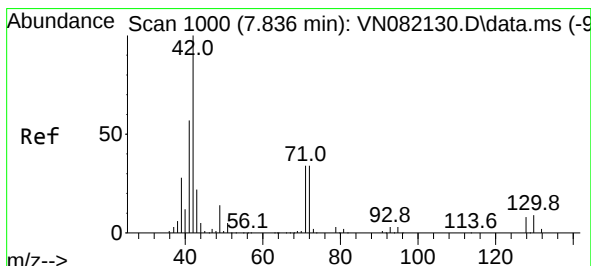
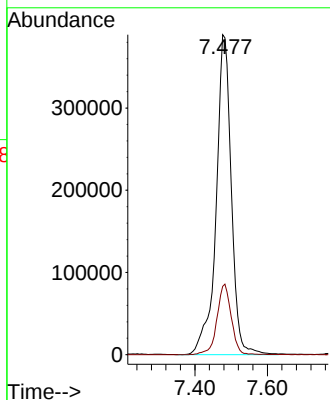
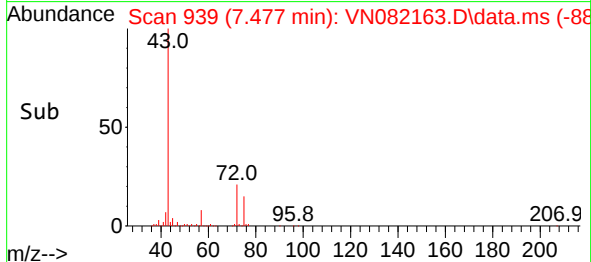
Instrument :
MSVOA_N
ClientSampleId :
240515064-02-VOA



Tgt Ion: 43 Resp: 1136230
Ion Ratio Lower Upper
43 100
72 21.4 25.3 37.9

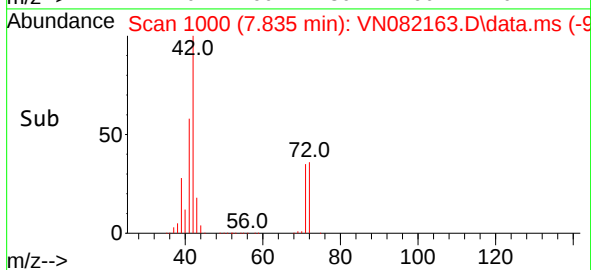
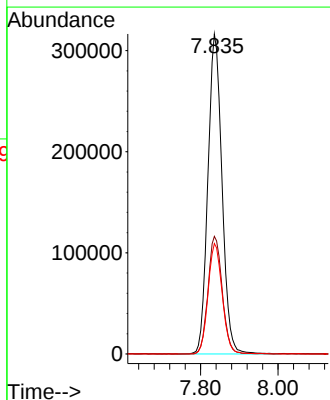
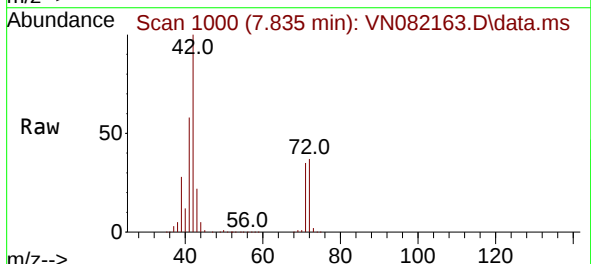
Manual Integrations
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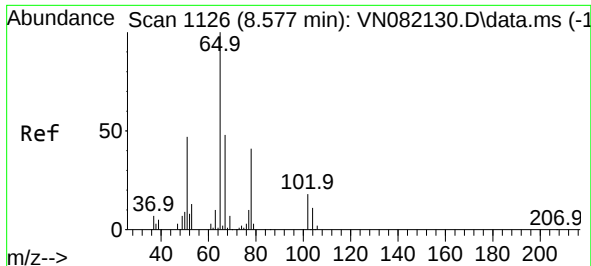
Reviewed By :Mahesh Dadoda 05/17/2024
Supervised By :Semsettin Yesilyurt 05/17/2024



#29
Tetrahydrofuran
Concen: 670.604 ug/l
RT: 7.835 min Scan# 1000
Delta R.T. -0.001 min
Lab File: VN082163.D
Acq: 16 May 2024 15:43

Tgt Ion: 42 Resp: 799301
Ion Ratio Lower Upper
42 100
72 37.2 39.3 58.9#
71 34.7 37.4 56.0#





#33

1,2-Dichloroethane-d4

Concen: 50.767 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VN082163.D

Acq: 16 May 2024 15:43

Instrument :

MSVOA_N

ClientSampleId :

240515064-02-VOA

Tgt Ion: 65 Resp: 151530

Ion Ratio Lower Upper

65 100

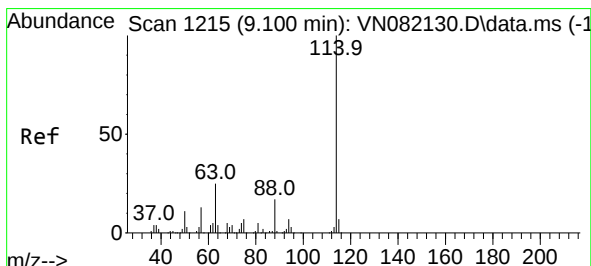
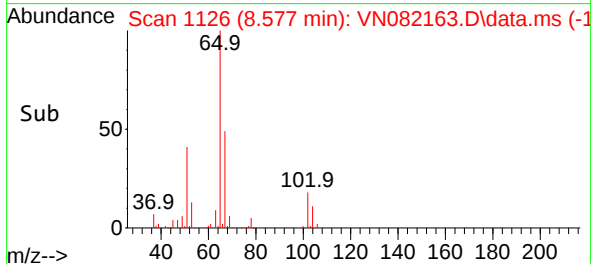
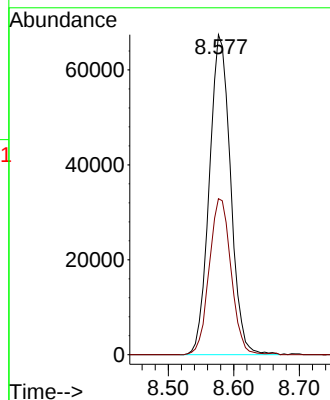
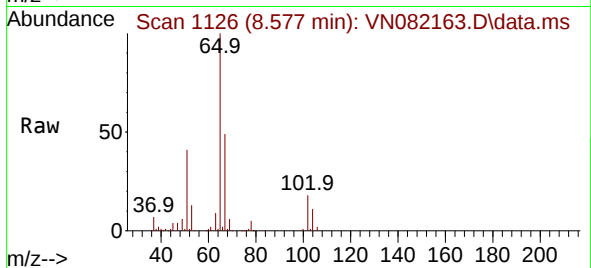
67 50.1 0.0 103.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 05/17/2024

Supervised By :Semsettin Yesilyurt 05/17/2024



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. -0.000 min

Lab File: VN082163.D

Acq: 16 May 2024 15:43

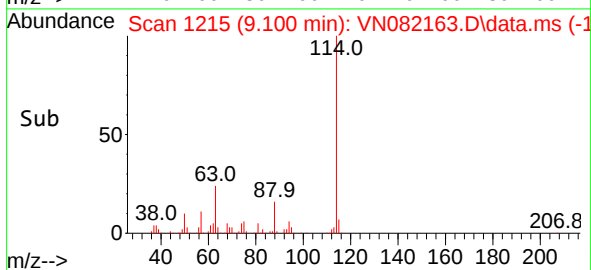
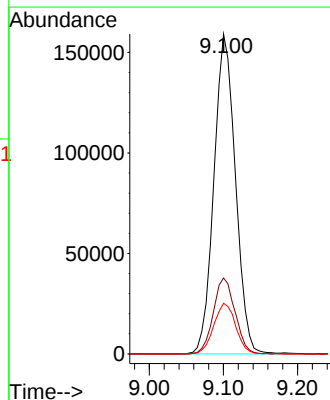
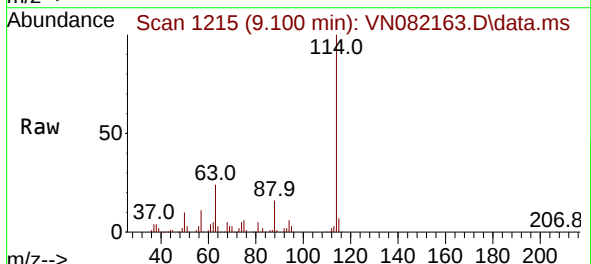
Tgt Ion:114 Resp: 321222

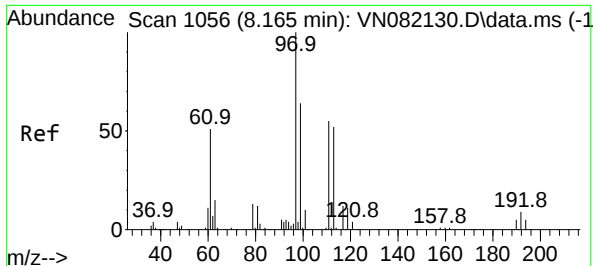
Ion Ratio Lower Upper

114 100

63 23.7 0.0 41.0

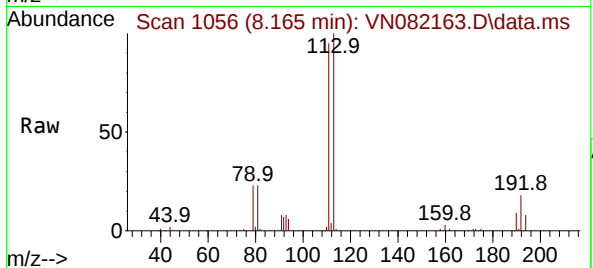
88 15.8 0.0 31.4





#35
Dibromofluoromethane
Concen: 54.162 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VN082163.D
Acq: 16 May 2024 15:43

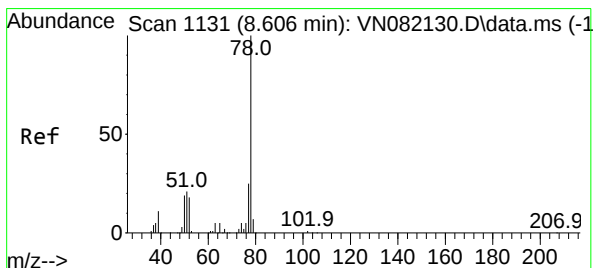
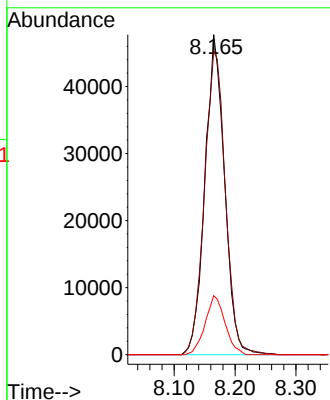
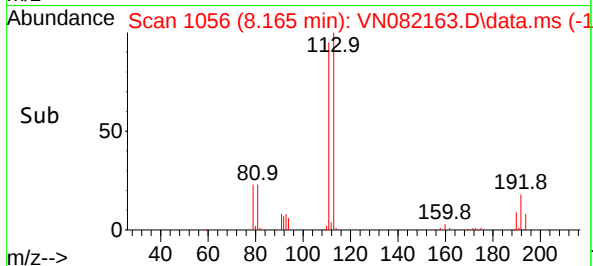
Instrument :
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240515064-02-VOA



Tgt Ion:113 Resp: 107025
Ion Ratio Lower Upper
113 100
111 100.7 83.4 125.2
192 18.7 14.0 21.0

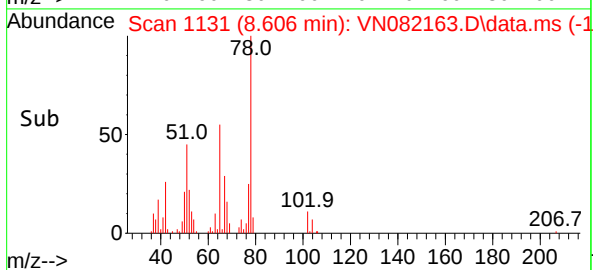
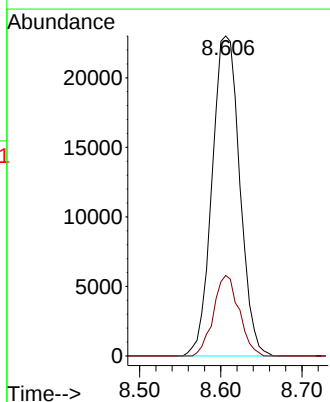
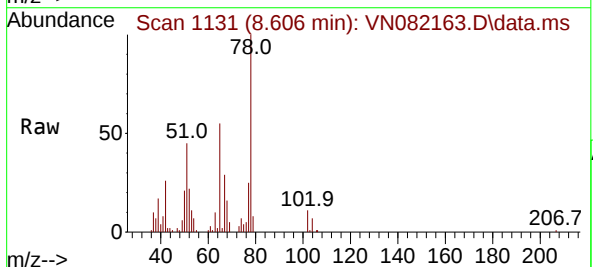
Manual Integrations
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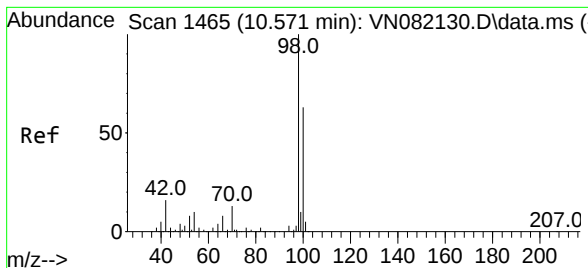
Reviewed By :Mahesh Dadoda 05/17/2024
Supervised By :Semsettin Yesilyurt 05/17/2024



#40
Benzene
Concen: 5.513 ug/l
RT: 8.606 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VN082163.D
Acq: 16 May 2024 15:43

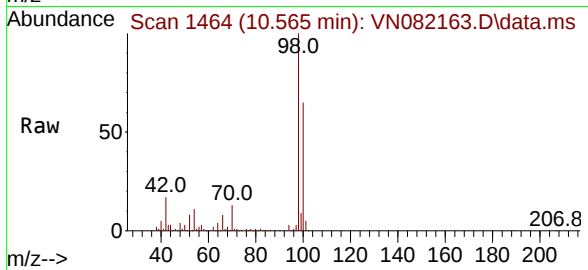
Tgt Ion: 78 Resp: 54484
Ion Ratio Lower Upper
78 100
77 25.2 20.0 30.0





#50
Toluene-d8
Concen: 54.924 ug/l
RT: 10.565 min Scan# 1465
Delta R.T. -0.006 min
Lab File: VN082163.D
Acq: 16 May 2024 15:43

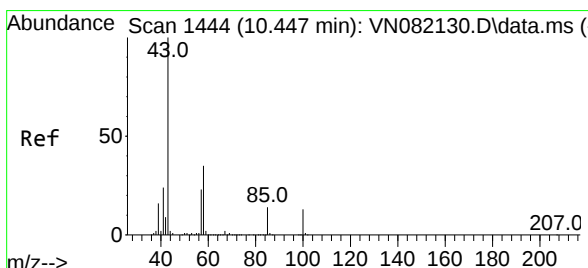
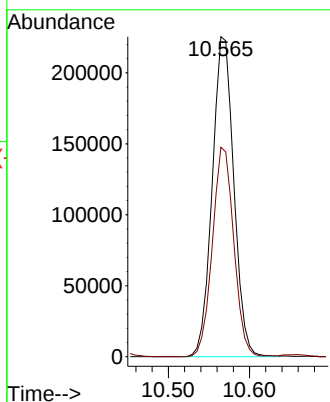
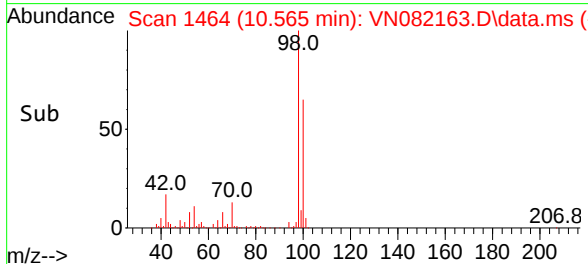
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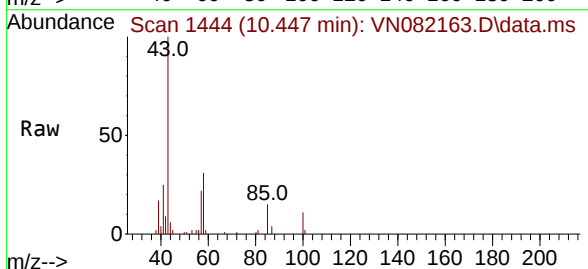
Tgt Ion: 98 Resp: 41609
Ion Ratio Lower Upper
98 100
100 65.0 51.8 77.6

Manual Integrations
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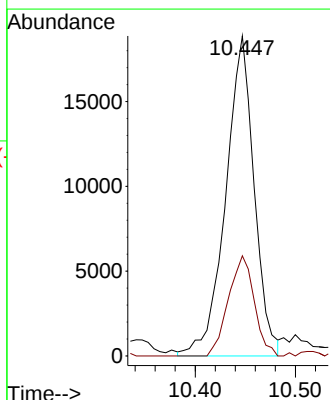
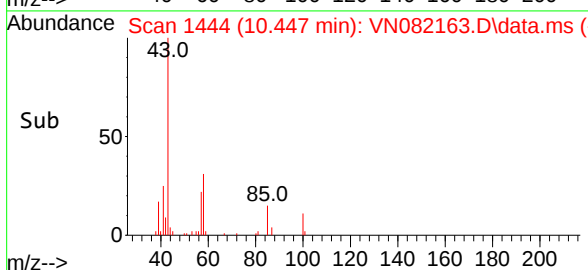
Reviewed By :Mahesh Dadoda 05/17/2024
Supervised By :Semsettin Yesilyurt 05/17/2024

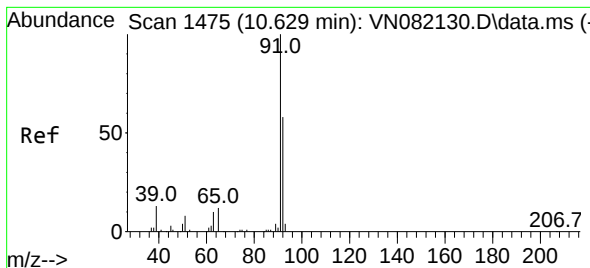


#51
4-Methyl-2-Pentanone
Concen: 9.993 ug/l m
RT: 10.447 min Scan# 1444
Delta R.T. -0.000 min
Lab File: VN082163.D
Acq: 16 May 2024 15:43



Tgt Ion: 43 Resp: 37314
Ion Ratio Lower Upper
43 100
58 13.3 33.2 49.8#





#52

Toluene

Concen: 7.111 ug/l

RT: 10.629 min Scan# 1475

Delta R.T. -0.000 min

Lab File: VN082163.D

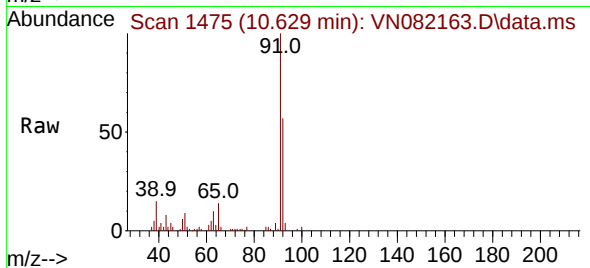
Acq: 16 May 2024 15:43

Instrument :

MSVOA_N

ClientSampleId :

240515064-02-VOA



Tgt Ion: 92 Resp: 42175

Ion Ratio Lower Upper

92 100

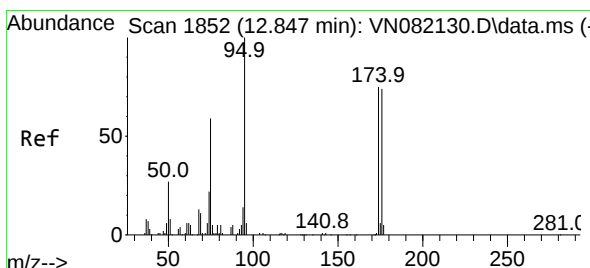
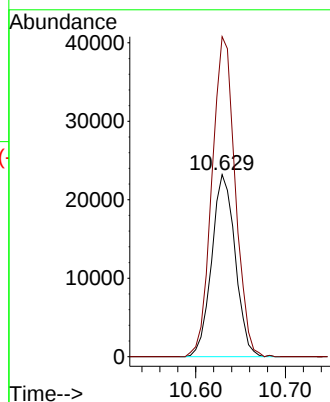
91 174.3 136.7 205.1

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Reviewed By :Mahesh Dadoda 05/17/2024

Supervised By :Semsettin Yesilyurt 05/17/2024



#62

4-Bromofluorobenzene

Concen: 53.010 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.000 min

Lab File: VN082163.D

Acq: 16 May 2024 15:43

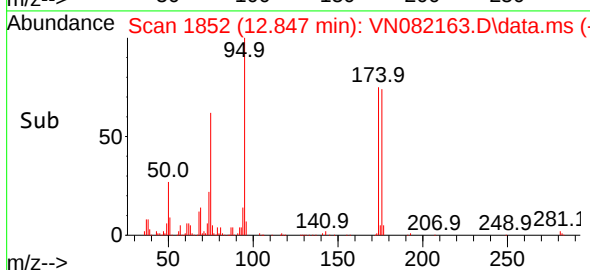
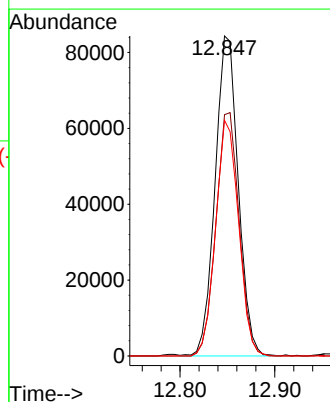
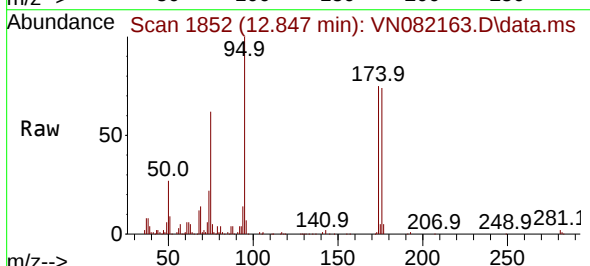
Tgt Ion: 95 Resp: 143339

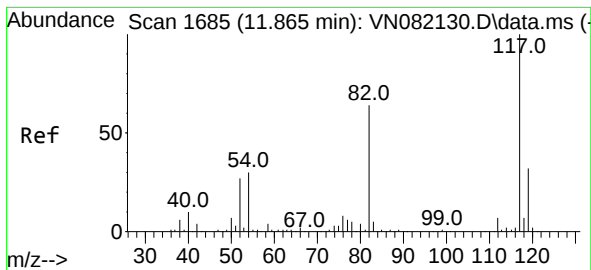
Ion Ratio Lower Upper

95 100

174 76.1 0.0 160.6

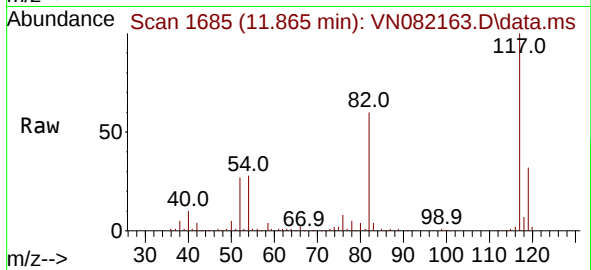
176 73.2 0.0 152.8





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN082163.D
Acq: 16 May 2024 15:43

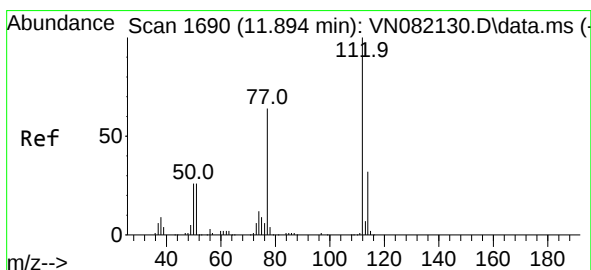
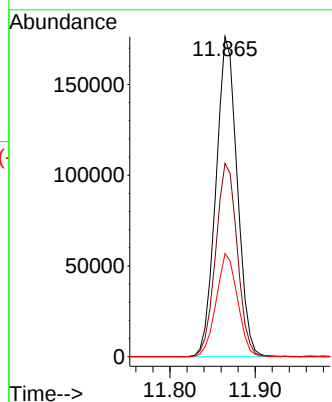
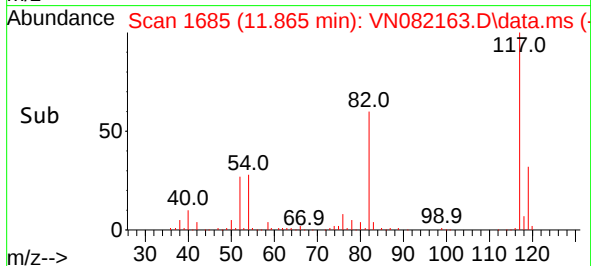
Instrument :
MSVOA_N
ClientSampleId :
240515064-02-VOA



Tgt Ion:117 Resp: 30646
Ion Ratio Lower Upper
117 100
82 60.4 44.6 66.8
119 32.2 25.9 38.9

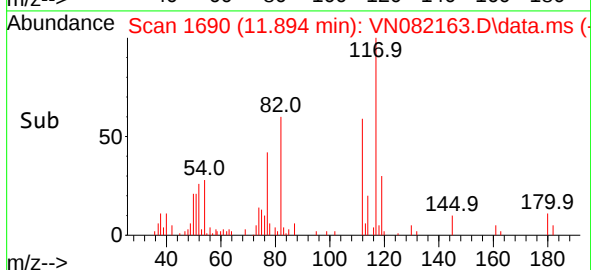
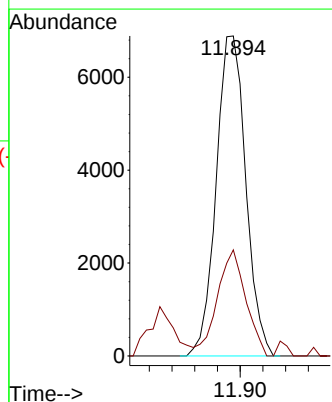
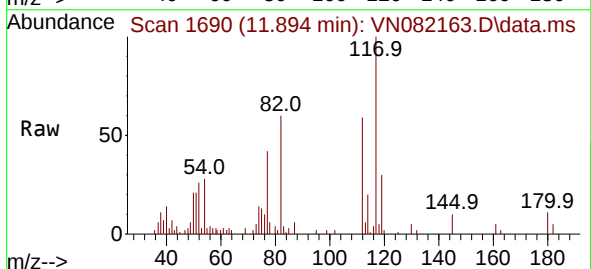
Manual Integrations
APPROVED

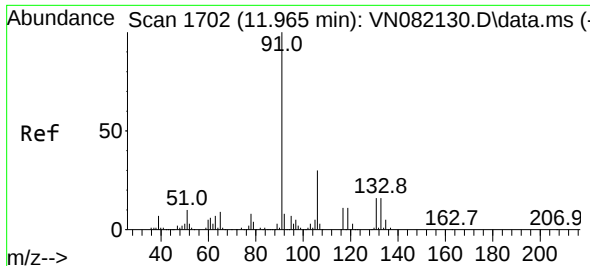
Reviewed By :Mahesh Dadoda 05/17/2024
Supervised By :Semsettin Yesilyurt 05/17/2024



#65
Chlorobenzene
Concen: 1.843 ug/l
RT: 11.894 min Scan# 1690
Delta R.T. -0.000 min
Lab File: VN082163.D
Acq: 16 May 2024 15:43

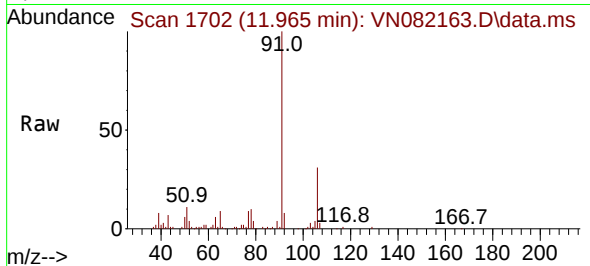
Tgt Ion:112 Resp: 12475
Ion Ratio Lower Upper
112 100
114 28.8 25.7 38.5





#67
Ethyl Benzene
Concen: 9.182 ug/l
RT: 11.965 min Scan# 1702
Delta R.T. -0.000 min
Lab File: VN082163.D
Acq: 16 May 2024 15:43

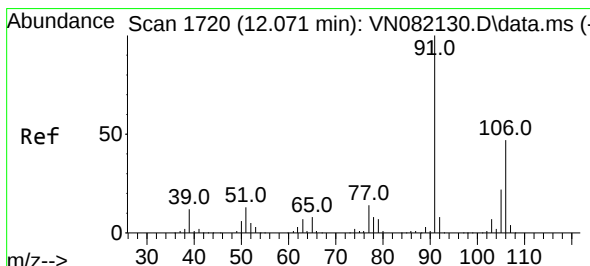
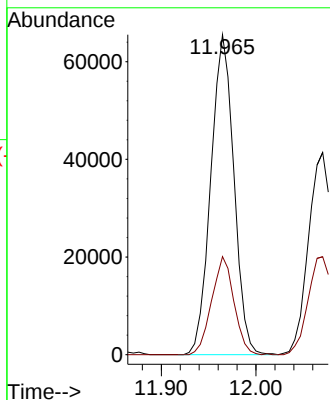
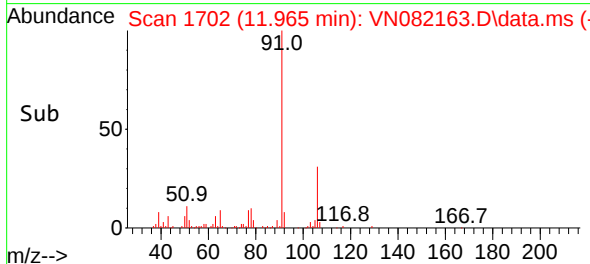
Instrument :
MSVOA_N
ClientSampleId :
240515064-02-VOA



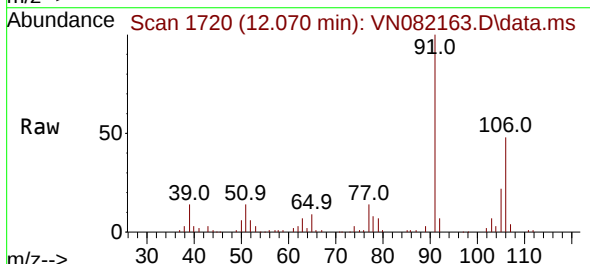
Tgt Ion: 91 Resp: 111208
Ion Ratio Lower Upper
91 100
106 30.7 25.3 37.9

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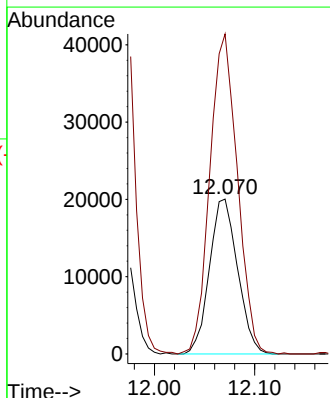
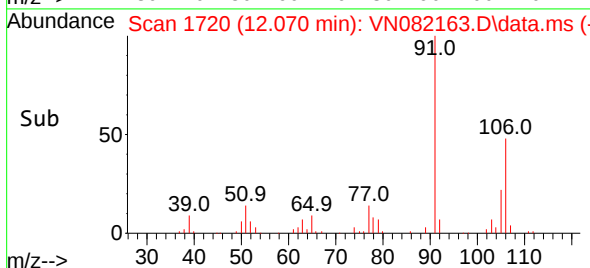
Reviewed By :Mahesh Dadoda 05/17/2024
Supervised By :Semsettin Yesilyurt 05/17/2024

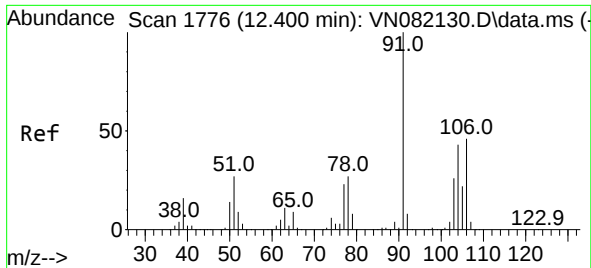


#68
m/p-Xylenes
Concen: 8.795 ug/l
RT: 12.070 min Scan# 1720
Delta R.T. -0.000 min
Lab File: VN082163.D
Acq: 16 May 2024 15:43



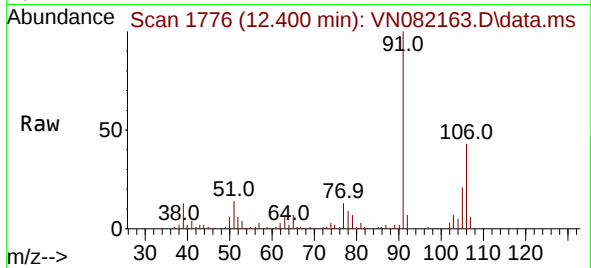
Tgt Ion:106 Resp: 39038
Ion Ratio Lower Upper
106 100
91 202.8 159.4 239.0





#69
o-Xylene
Concen: 5.598 ug/l
RT: 12.400 min Scan# 1776
Delta R.T. -0.000 min
Lab File: VN082163.D
Acq: 16 May 2024 15:43

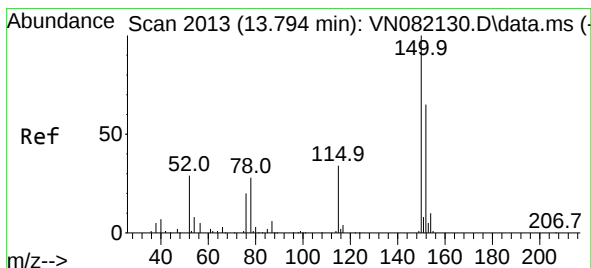
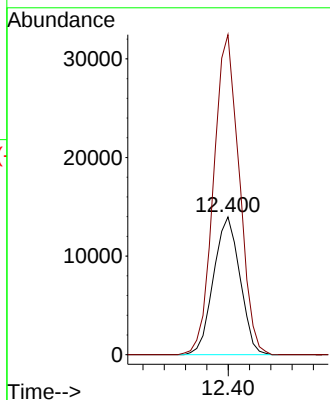
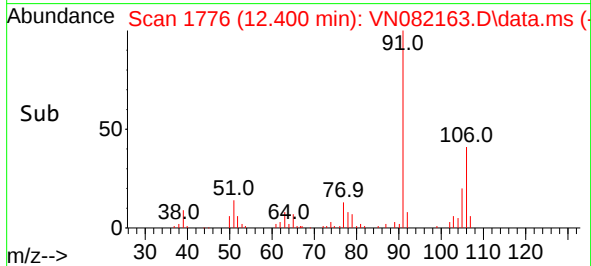
Instrument :
MSVOA_N
ClientSampleId :
240515064-02-VOA



Tgt Ion:106 Resp: 2407
Ion Ratio Lower Upper
106 100
91 225.3 104.7 314.1

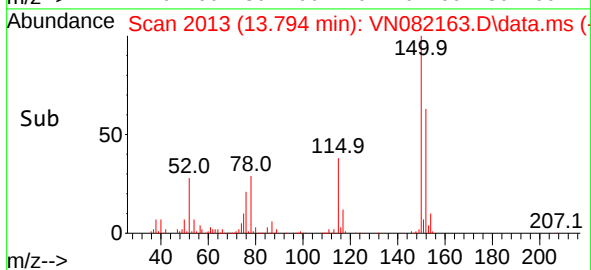
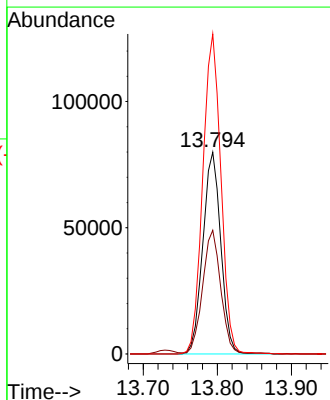
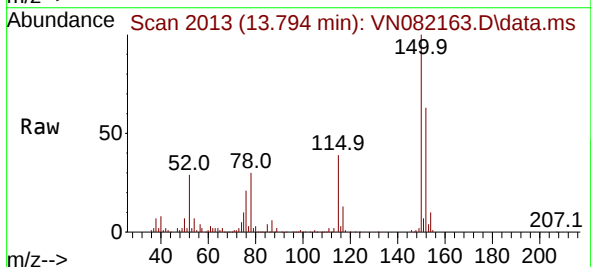
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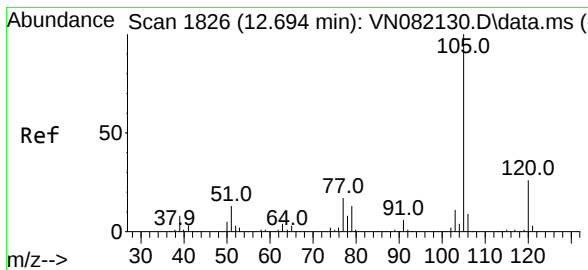
Reviewed By :Mahesh Dadoda 05/17/2024
Supervised By :Semsettin Yesilyurt 05/17/2024



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. -0.000 min
Lab File: VN082163.D
Acq: 16 May 2024 15:43

Tgt Ion:152 Resp: 134364
Ion Ratio Lower Upper
152 100
115 61.1 30.4 91.3
150 160.1 0.0 353.2





#73

Isopropylbenzene

Concen: 1.507 ug/l

RT: 12.694 min Scan# 1826

Delta R.T. -0.000 min

Lab File: VN082163.D

Acq: 16 May 2024 15:43

Instrument :

MSVOA_N

ClientSampleId :

240515064-02-VOA

Tgt Ion:105 Resp: 1608

Ion Ratio Lower Upper

105 100

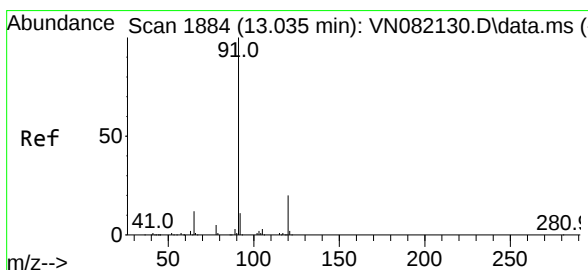
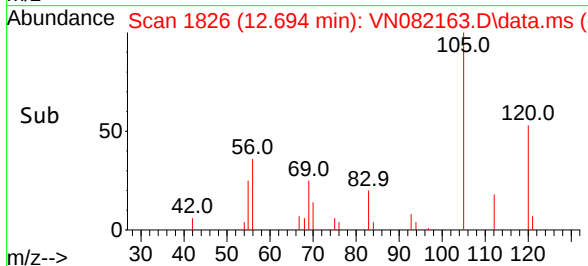
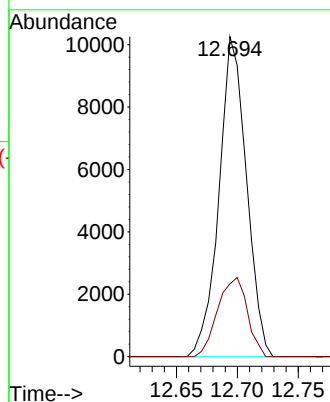
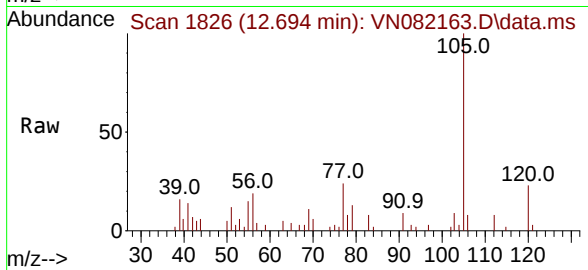
120 26.6 13.4 40.1

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Reviewed By :Mahesh Dadoda 05/17/2024

Supervised By :Semsettin Yesilyurt 05/17/2024



#78

n-propylbenzene

Concen: 0.551 ug/l

RT: 13.035 min Scan# 1884

Delta R.T. -0.000 min

Lab File: VN082163.D

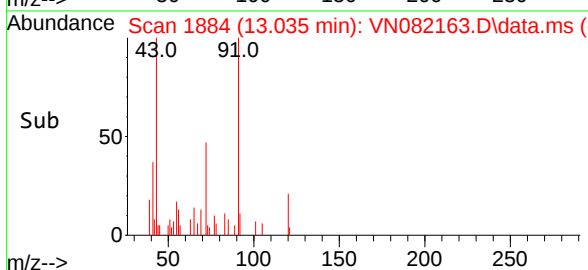
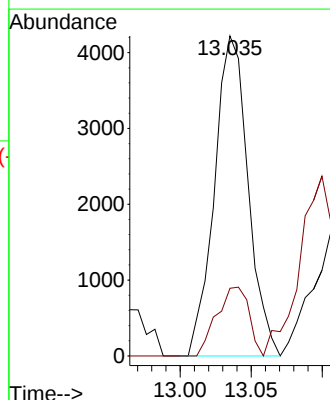
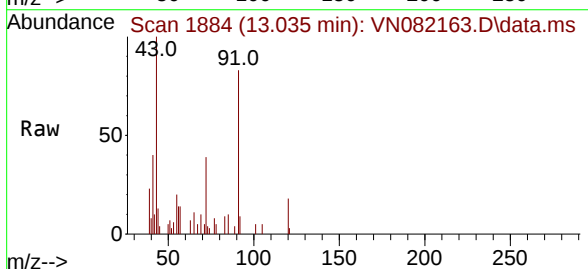
Acq: 16 May 2024 15:43

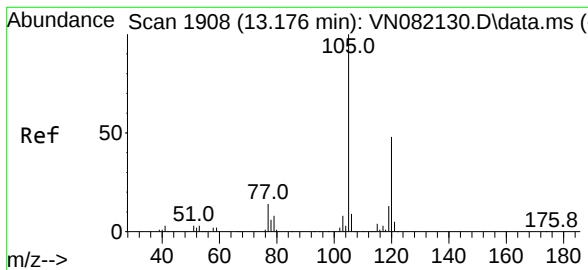
Tgt Ion: 91 Resp: 6962

Ion Ratio Lower Upper

91 100

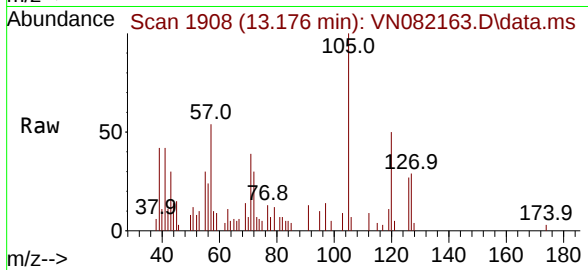
120 20.5 11.7 35.0





#80
 1,3,5-Trimethylbenzene
 Concen: 0.870 ug/l
 RT: 13.176 min Scan# 1908
 Delta R.T. -0.000 min
 Lab File: VN082163.D
 Acq: 16 May 2024 15:43

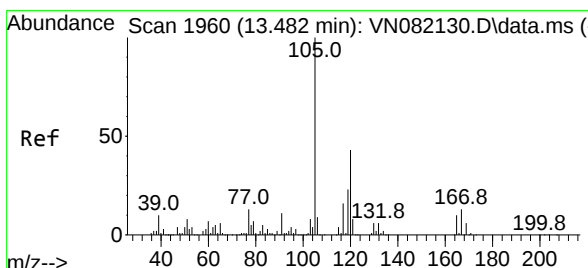
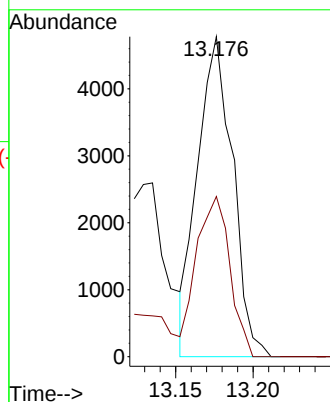
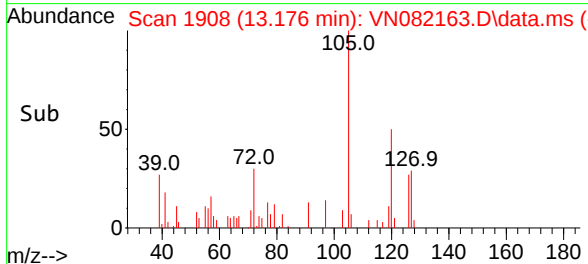
Instrument :
 MSVOA_N
 ClientSampleId :
 240515064-02-VOA



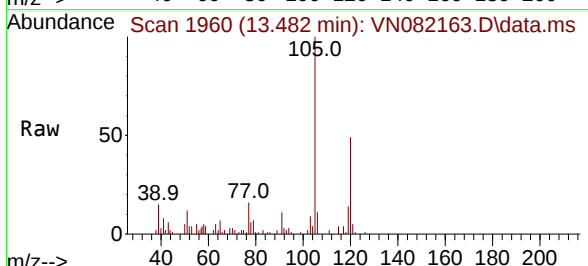
Tgt Ion:105 Resp: 751
 Ion Ratio Lower Upper
 105 100
 120 47.8 24.8 74.3

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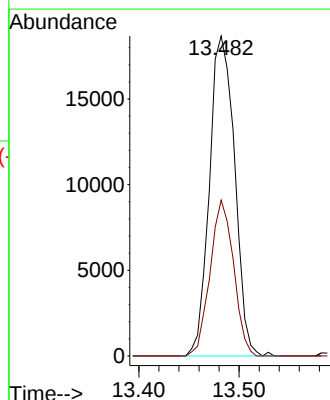
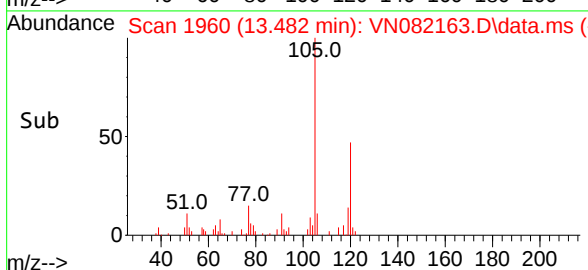
Reviewed By :Mahesh Dadoda 05/17/2024
 Supervised By :Semsettin Yesilyurt 05/17/2024

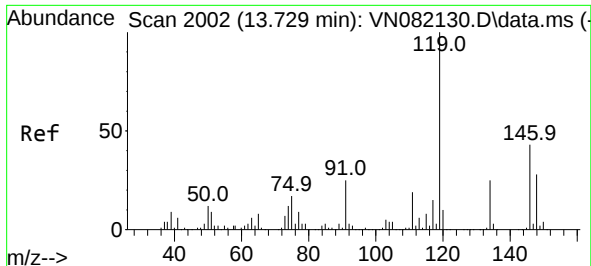


#84
 1,2,4-Trimethylbenzene
 Concen: 3.687 ug/l
 RT: 13.482 min Scan# 1960
 Delta R.T. -0.000 min
 Lab File: VN082163.D
 Acq: 16 May 2024 15:43



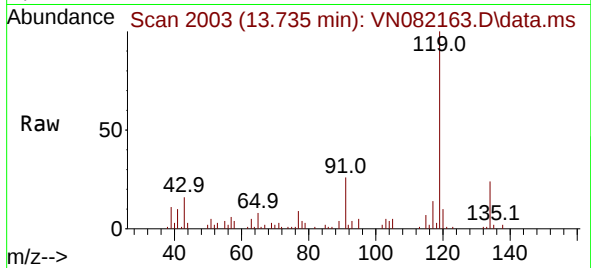
Tgt Ion:105 Resp: 32554
 Ion Ratio Lower Upper
 105 100
 120 45.5 22.9 68.7





#86
p-Isopropyltoluene
Concen: 3.509 ug/l
RT: 13.735 min Scan# 2003
Delta R.T. 0.006 min
Lab File: VN082163.D
Acq: 16 May 2024 15:43

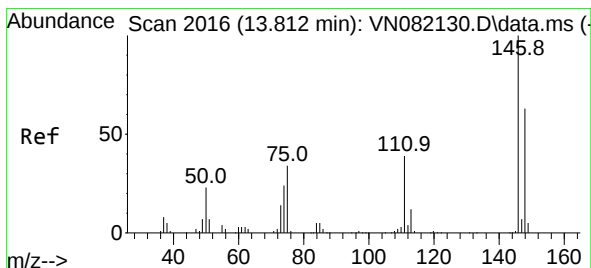
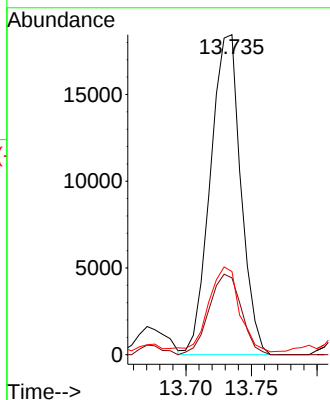
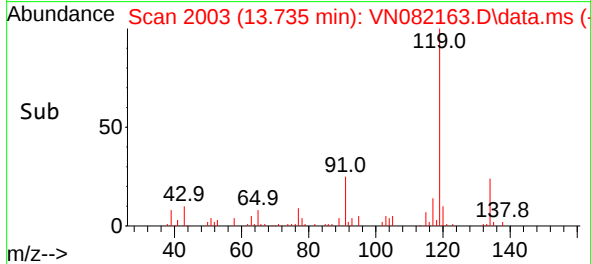
Instrument :
MSVOA_N
ClientSampleId :
240515064-02-VOA



Tgt Ion:119 Resp: 2984
Ion Ratio Lower Upper
119 100
134 26.4 13.2 39.5
91 26.3 11.8 35.3

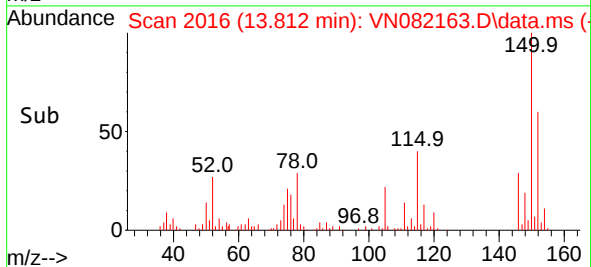
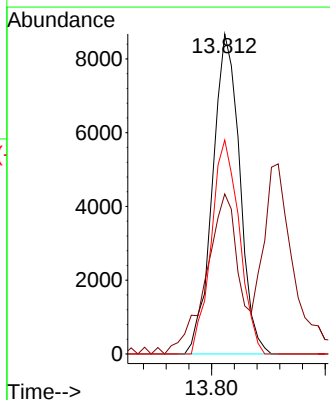
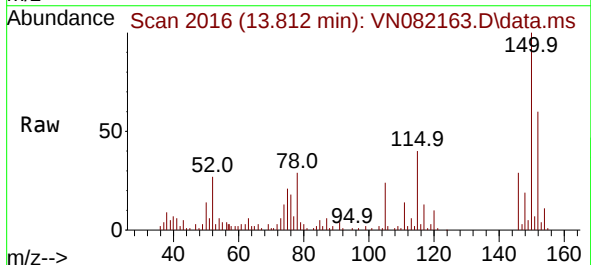
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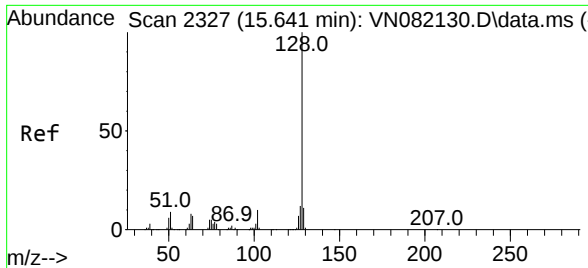
Reviewed By :Mahesh Dadoda 05/17/2024
Supervised By :Semsettin Yesilyurt 05/17/2024



#88
1,4-Dichlorobenzene
Concen: 3.064 ug/l
RT: 13.812 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN082163.D
Acq: 16 May 2024 15:43

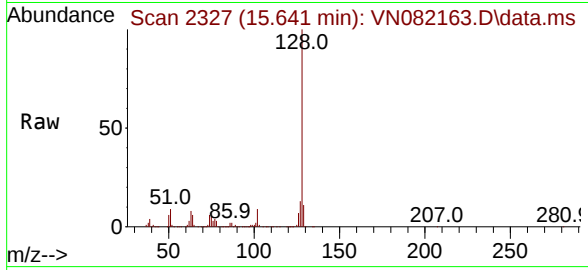
Tgt Ion:146 Resp: 14411
Ion Ratio Lower Upper
146 100
111 60.4 19.3 57.9#
148 69.0 31.3 93.9





#95
Naphthalene
Concen: 43.293 ug/l
RT: 15.641 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN082163.D
Acq: 16 May 2024 15:43

Instrument :
MSVOA_N
ClientSampleId :
240515064-02-VOA



Tgt Ion:128 Resp: 33176
Ion Ratio Lower Upper
128 100
127 13.2 10.1 15.1
129 11.1 8.9 13.3

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 05/17/2024
Supervised By :Semsettin Yesilyurt 05/17/2024

