

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091224\
 Data File : VN083823.D
 Acq On : 12 Sep 2024 11:20
 Operator : JC\MD
 Sample : P3913-04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 9424-A-C

Manual Integrations
 APPROVED

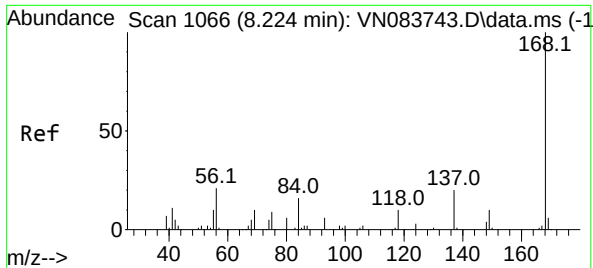
Reviewed By :John Carlone 09/13/2024
 Supervised By :Semsettin Yesilyurt 09/13/2024

Quant Time: Sep 12 16:45:16 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091024W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 11 15:18:56 2024
 Response via : Initial Calibration

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

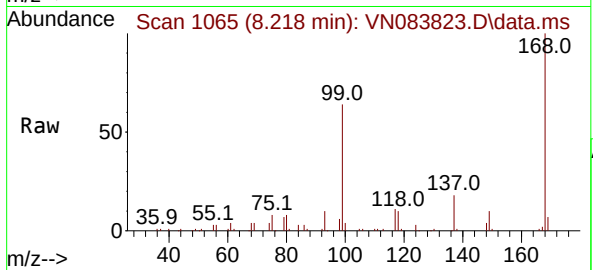
Internal Standards						
1) Pentafluorobenzene	8.218	168	126908	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	264254	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	295965	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	155975	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	100445	52.490	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 104.980%			
35) Dibromofluoromethane	8.165	113	79629	47.070	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 94.140%			
50) Toluene-d8	10.565	98	293325	50.155	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.300%			
62) 4-Bromofluorobenzene	12.847	95	143502	59.473	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 118.940%			
Target Compounds					Qvalue	
11) Tert butyl alcohol	5.524	59	11290m	44.059	ug/l	
16) Acetone	4.430	43	221710	289.019	ug/l	99
25) 2-Butanone	7.483	43	152531	151.283	ug/l	98
40) Benzene	8.612	78	3973	0.518	ug/l #	83
52) Toluene	10.630	92	7757	1.655	ug/l	96
65) Chlorobenzene	11.888	112	1871	0.284	ug/l	95
67) Ethyl Benzene	11.971	91	9846	0.843	ug/l #	62
68) m/p-Xylenes	12.065	106	10550	2.432	ug/l	96
69) o-Xylene	12.394	106	4308	1.026	ug/l	97
78) n-propylbenzene	13.035	91	12394	0.883	ug/l #	70
80) 1,3,5-Trimethylbenzene	13.171	105	3920	0.385	ug/l	96
85) sec-Butylbenzene	13.612	105	3833	0.325	ug/l	85
86) p-Isopropyltoluene	13.729	119	3191	0.322	ug/l	83
87) 1,3-Dichlorobenzene	13.729	146	2977	0.543	ug/l	94
88) 1,4-Dichlorobenzene	13.812	146	3620m	0.652	ug/l	
89) n-Butylbenzene	14.059	91	5989	0.674	ug/l	98
91) 1,2-Dichlorobenzene	14.106	146	2390	0.452	ug/l	96
93) 1,2,4-Trichlorobenzene	15.394	180	3555	1.252	ug/l	87

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



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.006 min
Lab File: VN083823.D
Acq: 12 Sep 2024 11:20

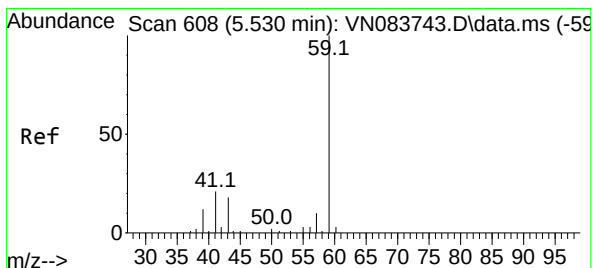
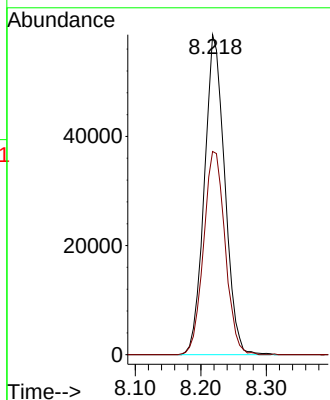
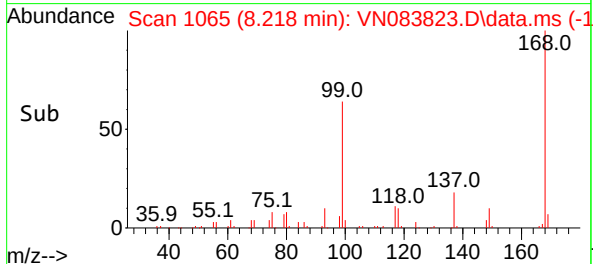
Instrument :
MSVOA_N
ClientSampleId :
9424-A-C



Tgt Ion:168 Resp: 126908
Ion Ratio Lower Upper
168 100
99 63.5 54.2 81.2

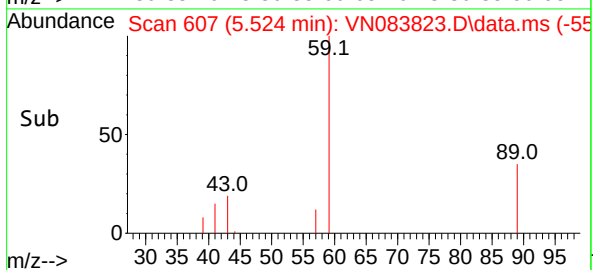
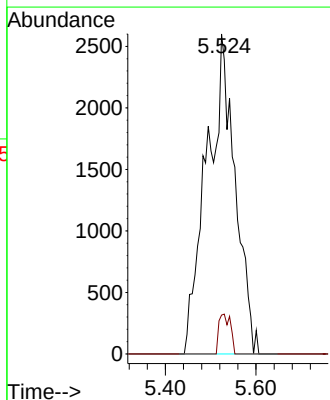
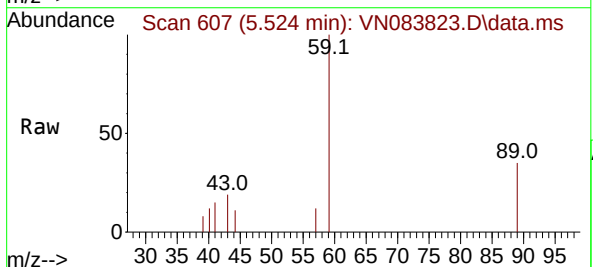
Manual Integrations
APPROVED

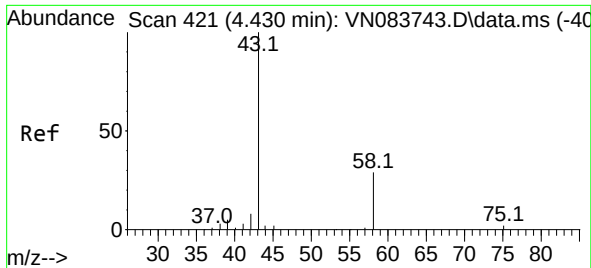
Reviewed By :John Carlone 09/13/2024
Supervised By :Semsettin Yesilyurt 09/13/2024



#11
Tert butyl alcohol
Concen: 44.059 ug/l m
RT: 5.524 min Scan# 607
Delta R.T. -0.006 min
Lab File: VN083823.D
Acq: 12 Sep 2024 11:20

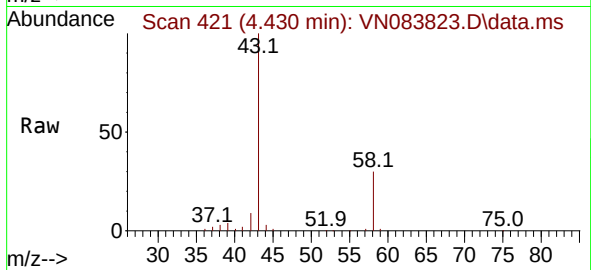
Tgt Ion: 59 Resp: 11290
Ion Ratio Lower Upper
59 100
57 5.1 8.7 13.1#





#16
Acetone
Concen: 289.019 ug/l
RT: 4.430 min Scan# 41
Delta R.T. 0.000 min
Lab File: VN083823.D
Acq: 12 Sep 2024 11:20

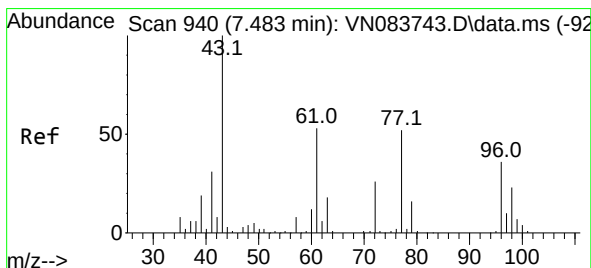
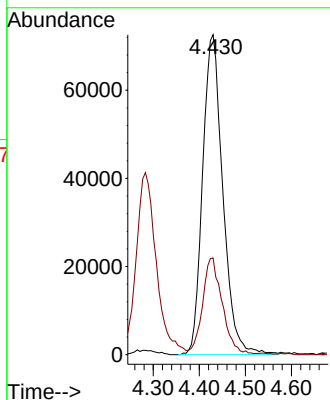
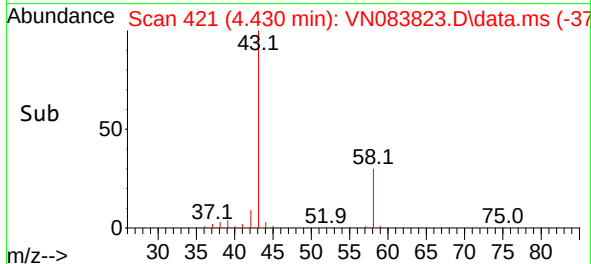
Instrument :
MSVOA_N
ClientSampleId :
9424-A-C



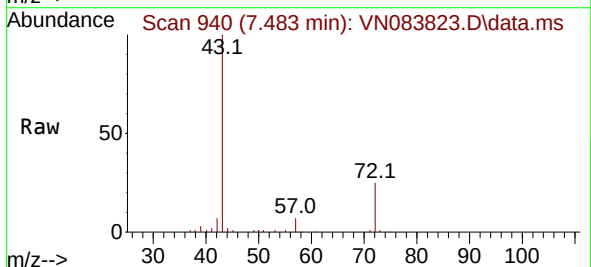
Tgt Ion: 43 Resp: 221710
Ion Ratio Lower Upper
43 100
58 30.0 23.7 35.5

Manual Integrations
APPROVED

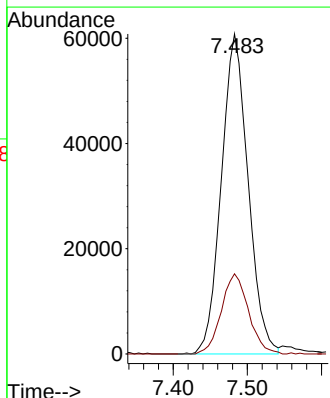
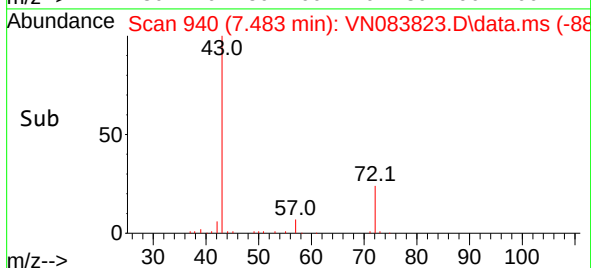
Reviewed By :John Carlone 09/13/2024
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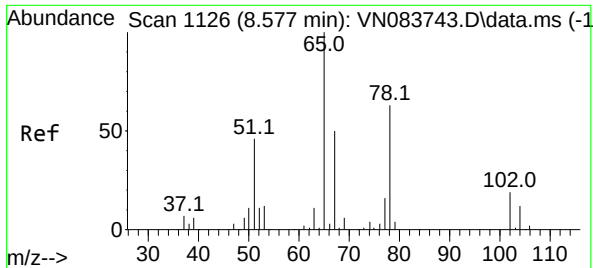


#25
2-Butanone
Concen: 151.283 ug/l
RT: 7.483 min Scan# 940
Delta R.T. 0.000 min
Lab File: VN083823.D
Acq: 12 Sep 2024 11:20



Tgt Ion: 43 Resp: 152531
Ion Ratio Lower Upper
43 100
72 25.1 20.8 31.2





#33

1,2-Dichloroethane-d4

Concen: 52.490 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VN083823.D

Acq: 12 Sep 2024 11:20

Instrument :

MSVOA_N

ClientSampleId :

9424-A-C

Tgt Ion: 65 Resp: 100449

Ion Ratio Lower Upper

65 100

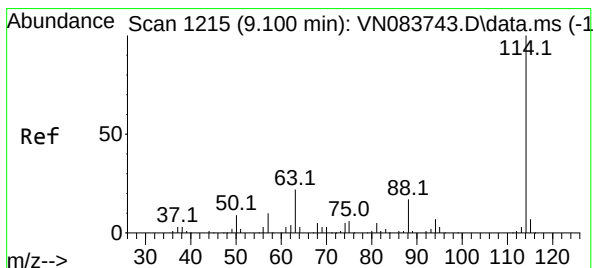
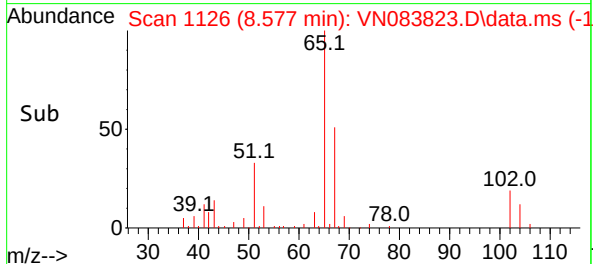
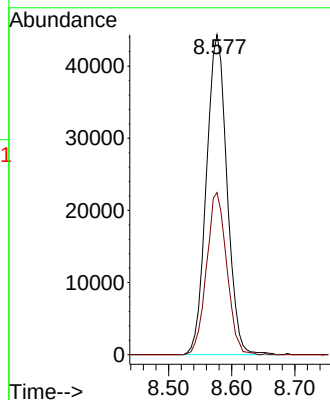
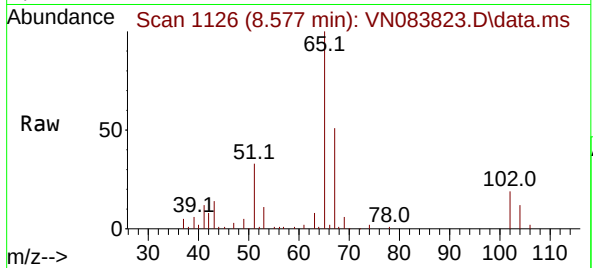
67 49.8 0.0 100.8

Manual Integrations

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Supervised By :Semsettin Yesilyurt 09/13/2024



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. 0.000 min

Lab File: VN083823.D

Acq: 12 Sep 2024 11:20

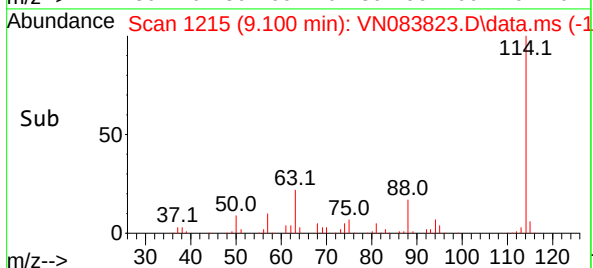
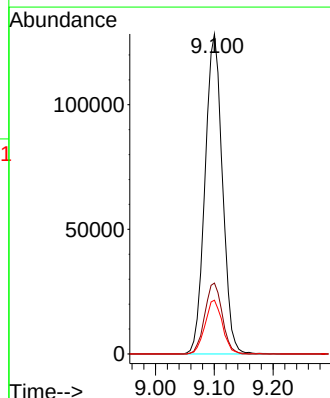
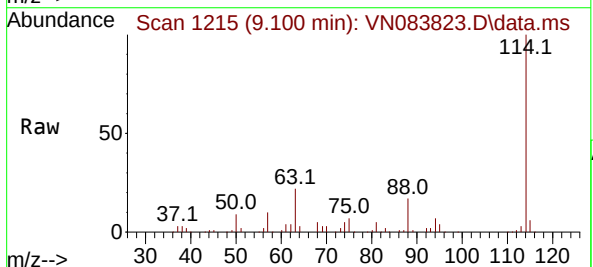
Tgt Ion:114 Resp: 264254

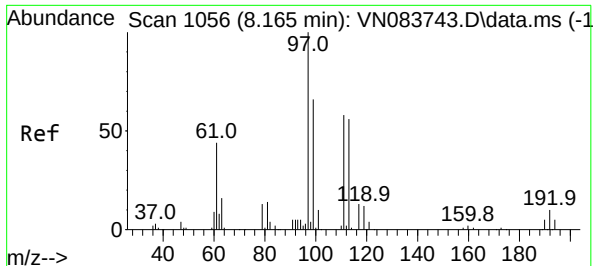
Ion Ratio Lower Upper

114 100

63 22.2 0.0 43.4

88 16.8 0.0 32.6





#35

Dibromofluoromethane

Concen: 47.070 ug/l

RT: 8.165 min Scan# 1105

Delta R.T. 0.000 min

Lab File: VN083823.D

Acq: 12 Sep 2024 11:20

Instrument :

MSVOA_N

ClientSampleId :

9424-A-C

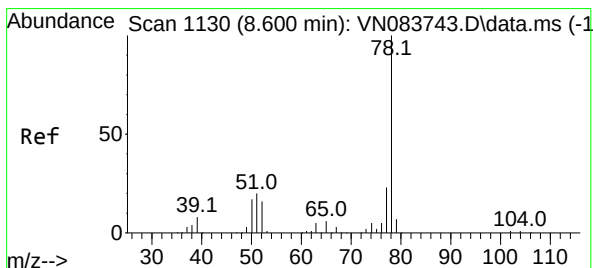
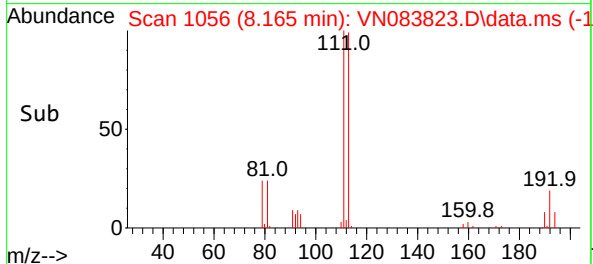
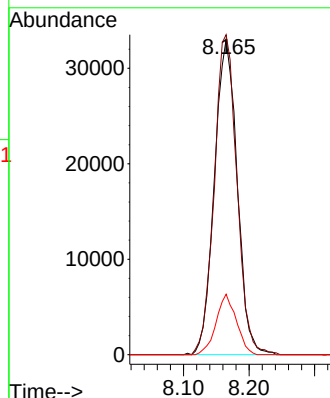
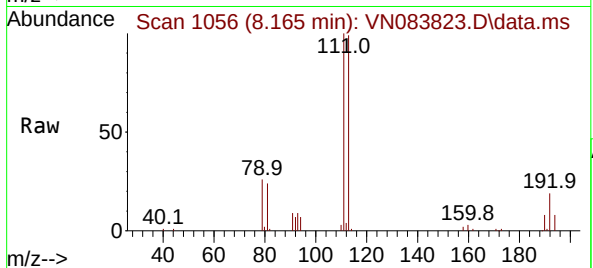
Tgt Ion:	113	Resp:	79629
Ion Ratio	Lower	Upper	
113	100		
111	100.7	82.6	124.0
192	17.1	14.3	21.5

Manual Integrations

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#40

Benzene

Concen: 0.518 ug/l

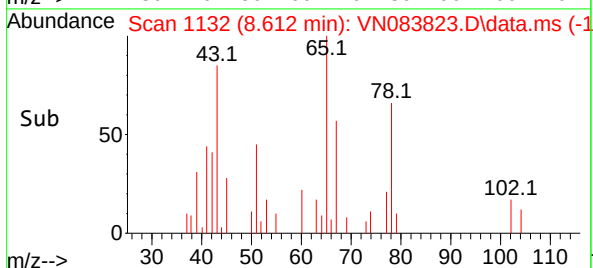
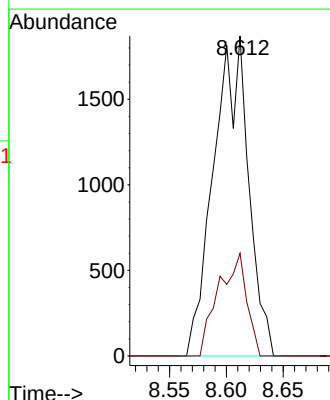
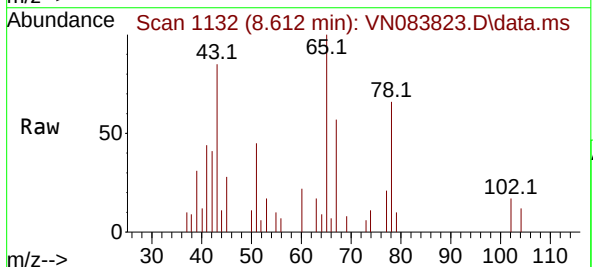
RT: 8.612 min Scan# 1132

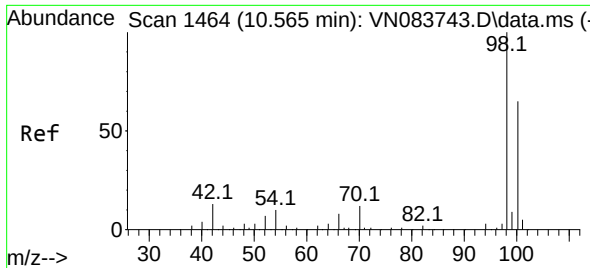
Delta R.T. 0.012 min

Lab File: VN083823.D

Acq: 12 Sep 2024 11:20

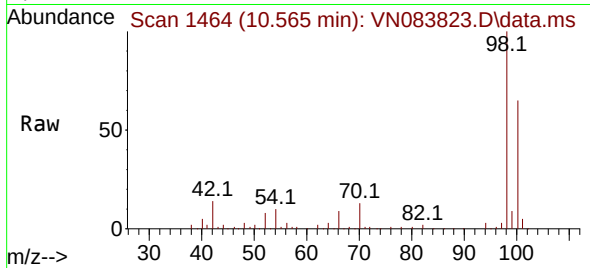
Tgt Ion:	78	Resp:	3973
Ion Ratio	Lower	Upper	
78	100		
77	32.1	19.0	28.6





#50
Toluene-d8
Concen: 50.155 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN083823.D
Acq: 12 Sep 2024 11:20

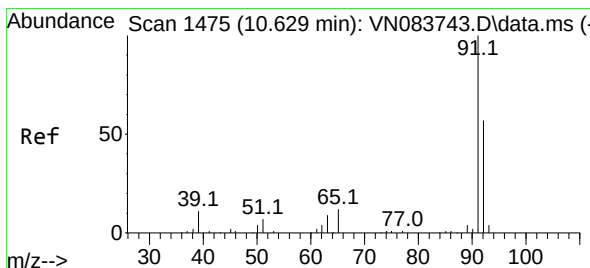
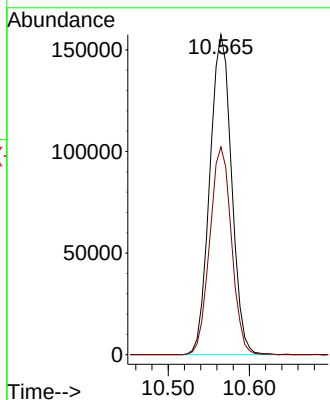
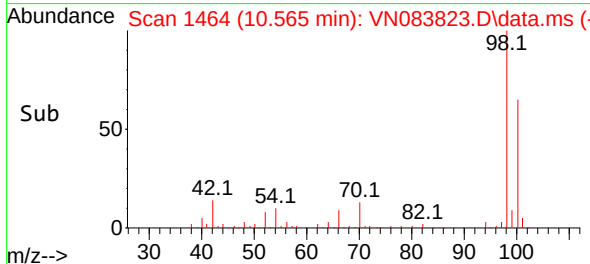
Instrument :
MSVOA_N
ClientSampleId :
9424-A-C



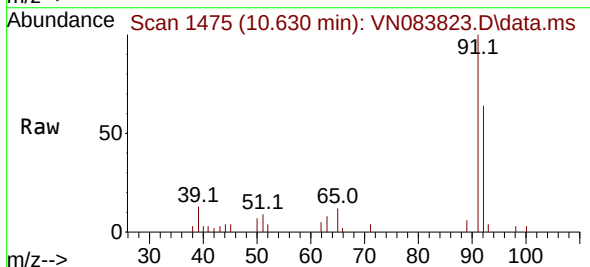
Tgt Ion: 98 Resp: 293329
Ion Ratio Lower Upper
98 100
100 64.8 52.0 78.0

Manual Integrations
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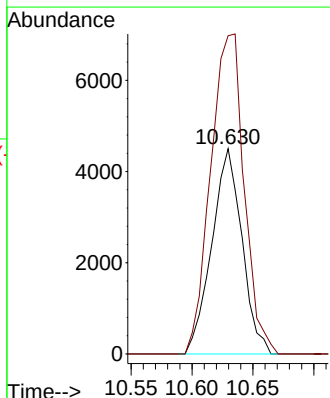
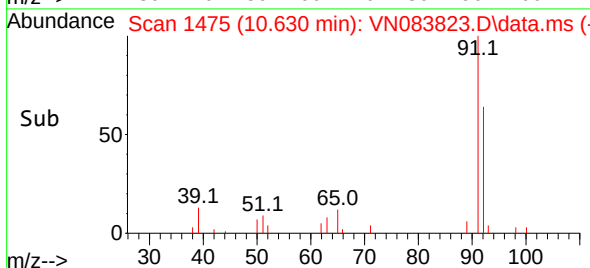
Reviewed By :John Carlone 09/13/2024
Supervised By :Semsettin Yesilyurt 09/13/2024

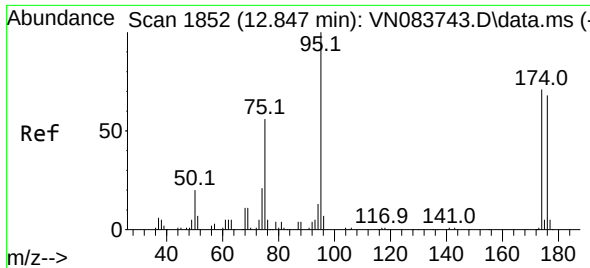


#52
Toluene
Concen: 1.655 ug/l
RT: 10.630 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VN083823.D
Acq: 12 Sep 2024 11:20



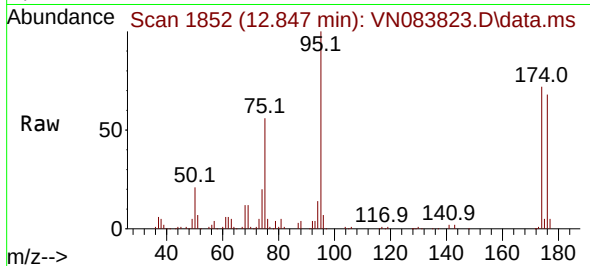
Tgt Ion: 92 Resp: 7757
Ion Ratio Lower Upper
92 100
91 173.2 134.7 202.1





#62
4-Bromofluorobenzene
Concen: 59.473 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN083823.D
Acq: 12 Sep 2024 11:20

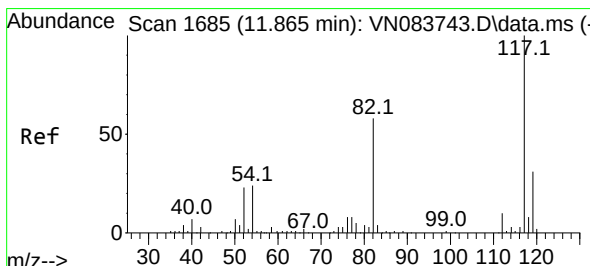
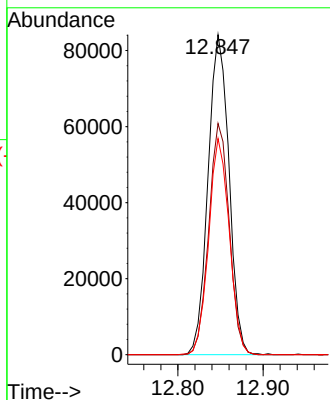
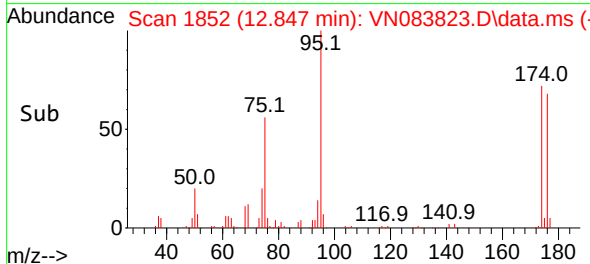
Instrument :
MSVOA_N
ClientSampleId :
9424-A-C



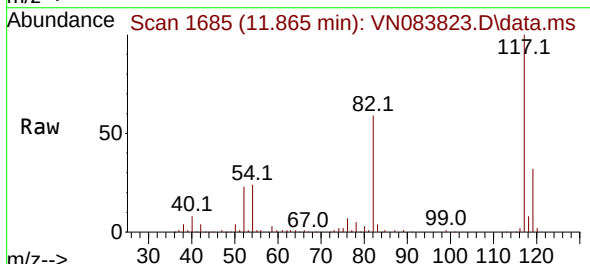
Tgt Ion: 95 Resp: 143502
Ion Ratio Lower Upper
95 100
174 70.7 0.0 139.8
176 66.5 0.0 131.4

Manual Integrations
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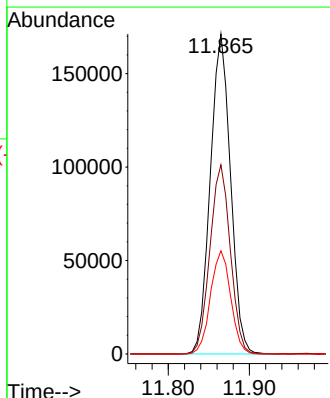
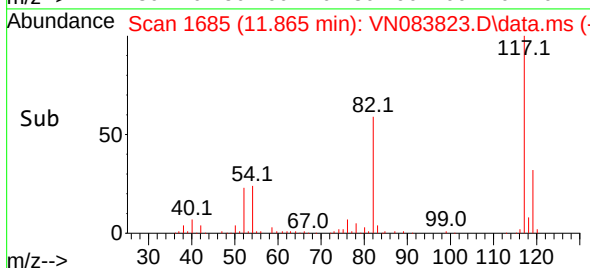
Reviewed By :John Carlone 09/13/2024
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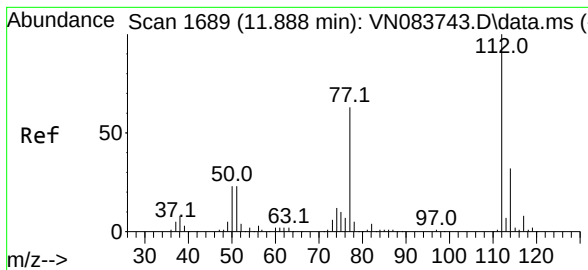


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN083823.D
Acq: 12 Sep 2024 11:20



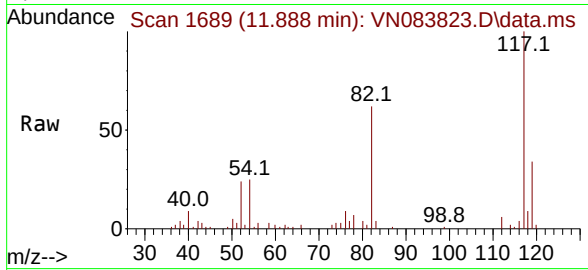
Tgt Ion:117 Resp: 295965
Ion Ratio Lower Upper
117 100
82 59.1 47.4 71.0
119 32.3 26.3 39.5





#65
Chlorobenzene
Concen: 0.284 ug/l
RT: 11.888 min Scan# 1689
Delta R.T. 0.000 min
Lab File: VN083823.D
Acq: 12 Sep 2024 11:20

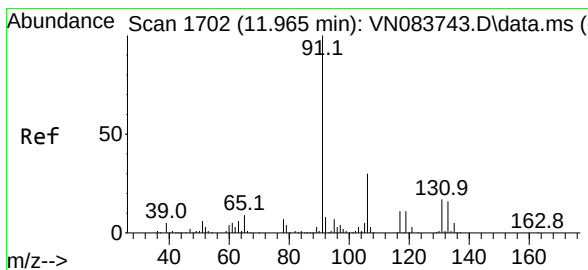
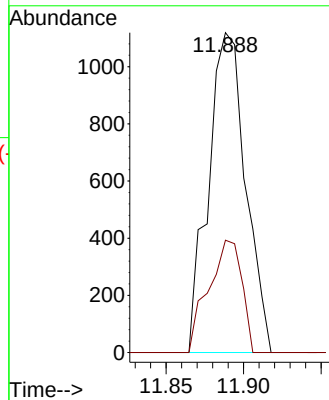
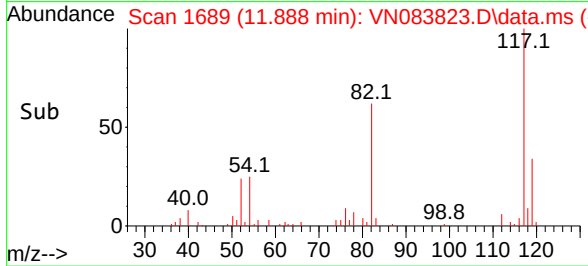
Instrument :
MSVOA_N
ClientSampleId :
9424-A-C



Tgt Ion: 112 Resp: 187
Ion Ratio Lower Upper
112 100
114 35.1 25.7 38.5

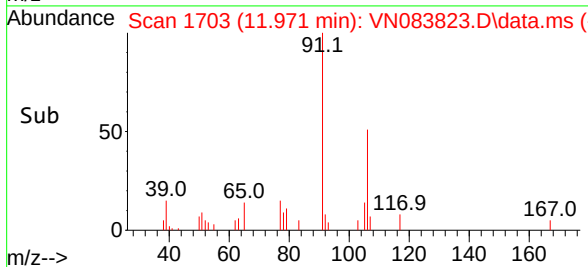
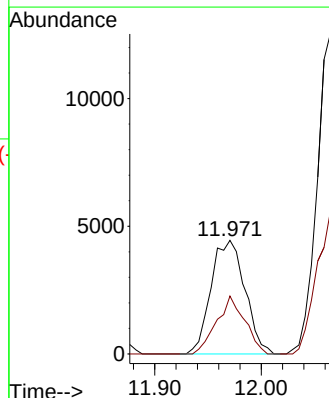
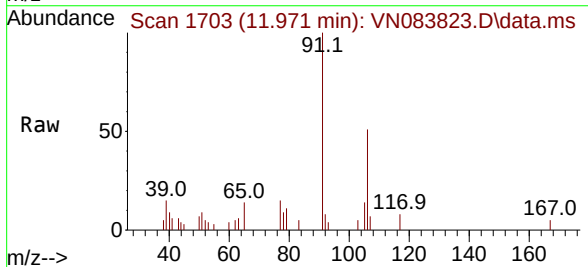
Manual Integrations
APPROVED

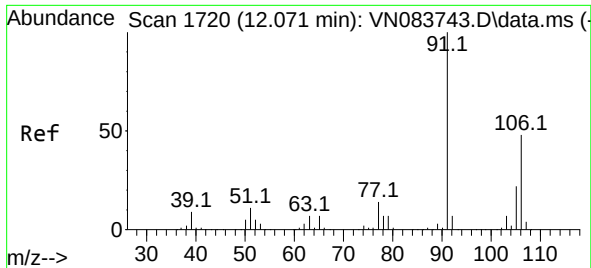
Reviewed By :John Carlone 09/13/2024
Supervised By :Semsettin Yesilyurt 09/13/2024



#67
Ethyl Benzene
Concen: 0.843 ug/l
RT: 11.971 min Scan# 1703
Delta R.T. 0.006 min
Lab File: VN083823.D
Acq: 12 Sep 2024 11:20

Tgt Ion: 91 Resp: 9846
Ion Ratio Lower Upper
91 100
106 51.0 24.3 36.5#





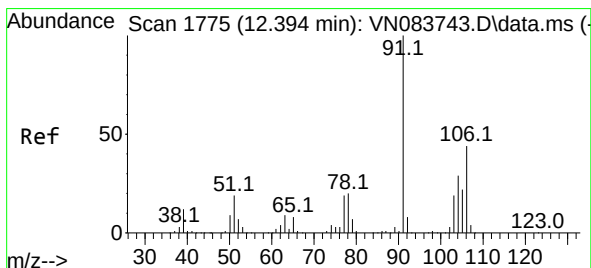
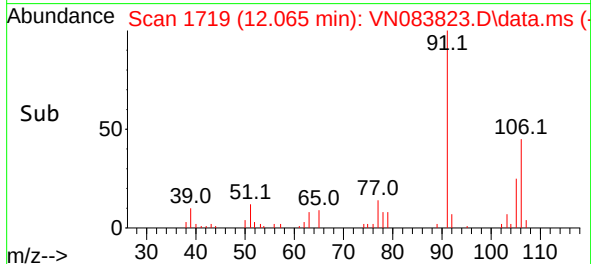
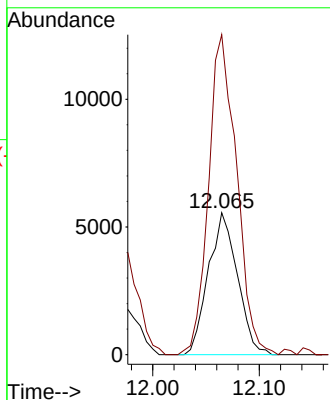
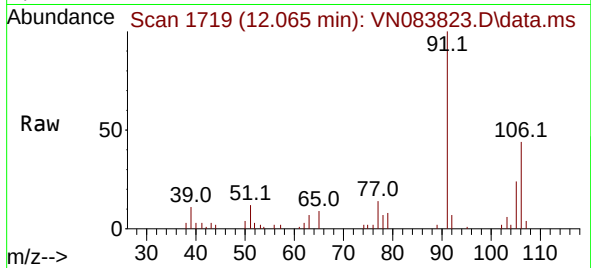
#68
m/p-Xylenes
Concen: 2.432 ug/l
RT: 12.065 min Scan# 1719
Delta R.T. -0.006 min
Lab File: VN083823.D
Acq: 12 Sep 2024 11:20

Instrument :
MSVOA_N
ClientSampleId :
9424-A-C

Tgt Ion:106 Resp: 10550
Ion Ratio Lower Upper
106 100
91 217.4 169.2 253.8

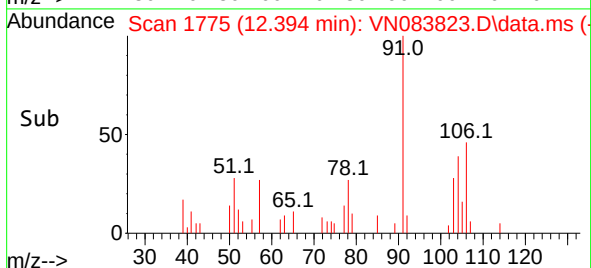
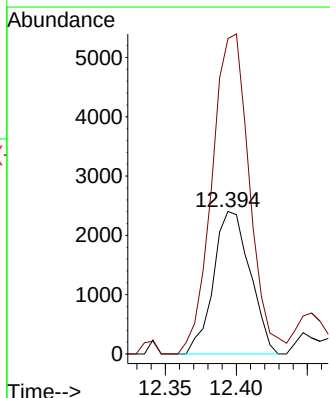
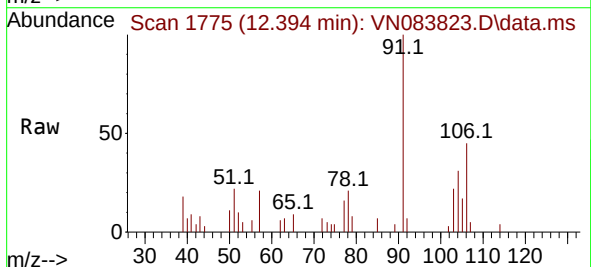
Manual Integrations
APPROVED

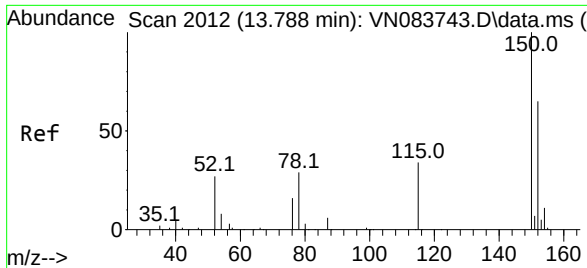
Reviewed By :John Carlone 09/13/2024
Supervised By :Semsettin Yesilyurt 09/13/2024



#69
o-Xylene
Concen: 1.026 ug/l
RT: 12.394 min Scan# 1775
Delta R.T. 0.000 min
Lab File: VN083823.D
Acq: 12 Sep 2024 11:20

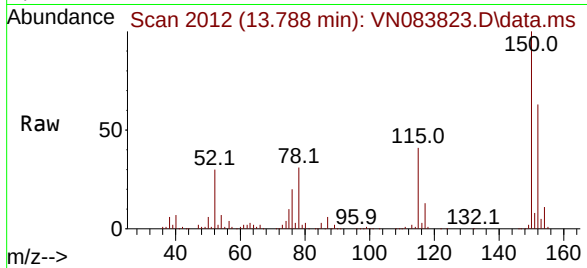
Tgt Ion:106 Resp: 4308
Ion Ratio Lower Upper
106 100
91 229.9 112.9 338.6





#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN083823.D
Acq: 12 Sep 2024 11:20

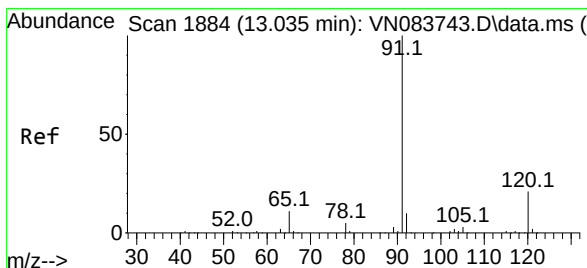
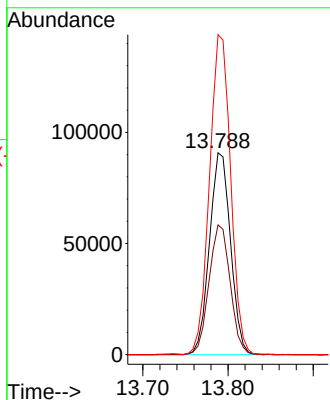
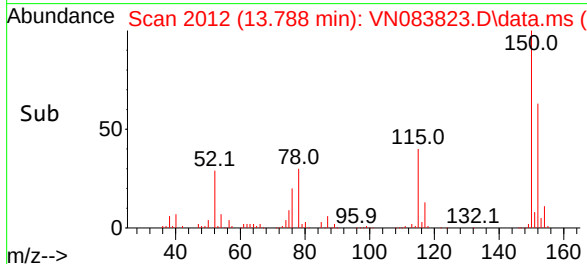
Instrument :
MSVOA_N
ClientSampleId :
9424-A-C



Tgt Ion:152 Resp: 155979
Ion Ratio Lower Upper
152 100
115 64.6 32.2 96.6
150 159.1 0.0 348.6

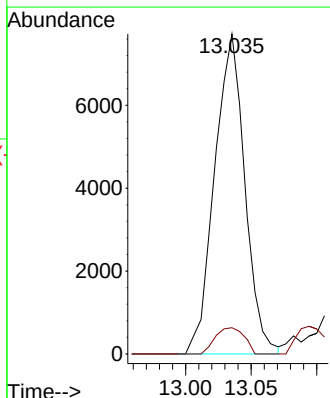
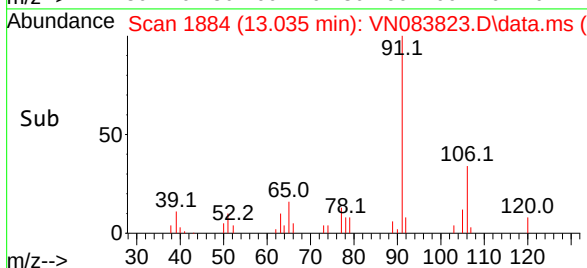
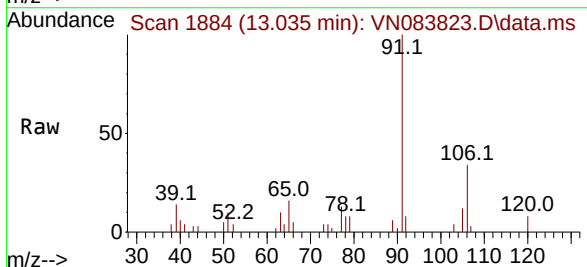
Manual Integrations
APPROVED

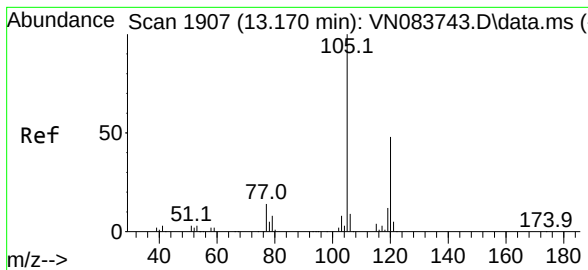
Reviewed By :John Carlone 09/13/2024
Supervised By :Semsettin Yesilyurt 09/13/2024



#78
n-propylbenzene
Concen: 0.883 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. 0.000 min
Lab File: VN083823.D
Acq: 12 Sep 2024 11:20

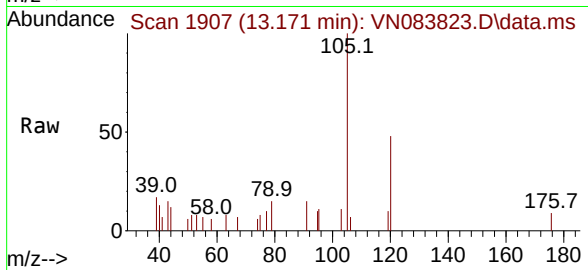
Tgt Ion: 91 Resp: 12394
Ion Ratio Lower Upper
91 100
120 7.8 11.0 33.0#





#80
1,3,5-Trimethylbenzene
Concen: 0.385 ug/l
RT: 13.171 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VN083823.D
Acq: 12 Sep 2024 11:20

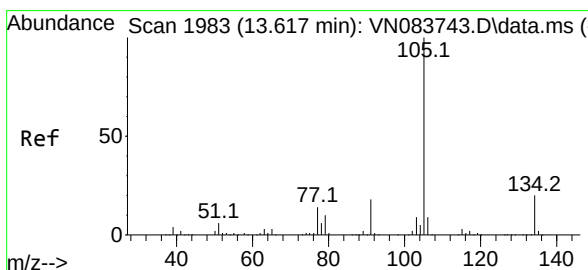
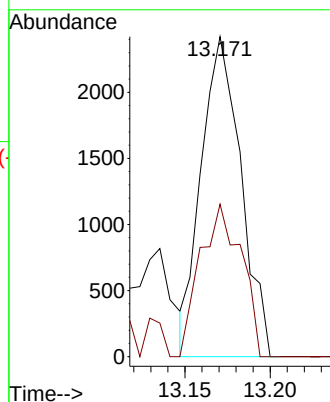
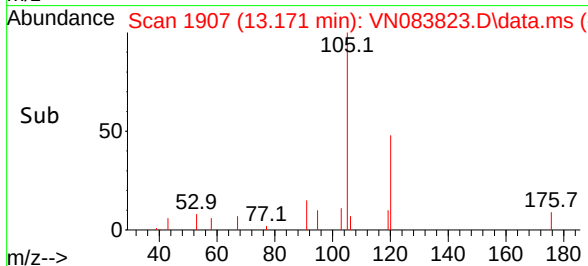
Instrument :
MSVOA_N
ClientSampleId :
9424-A-C



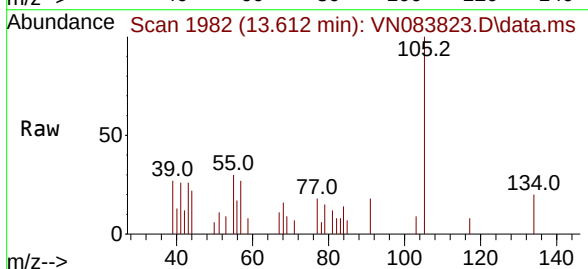
Tgt Ion:105 Resp: 3920
Ion Ratio Lower Upper
105 100
120 49.4 23.4 70.3

Manual Integrations
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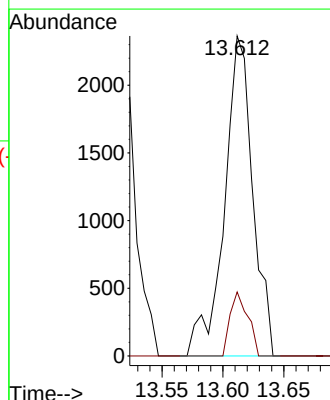
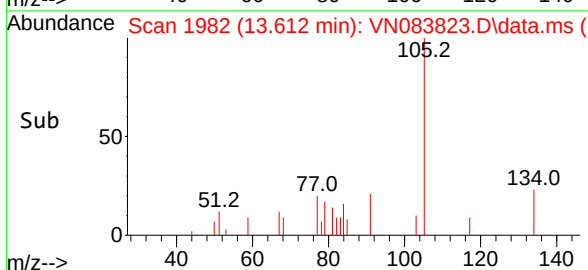
Reviewed By :John Carlone 09/13/2024
Supervised By :Semsettin Yesilyurt 09/13/2024

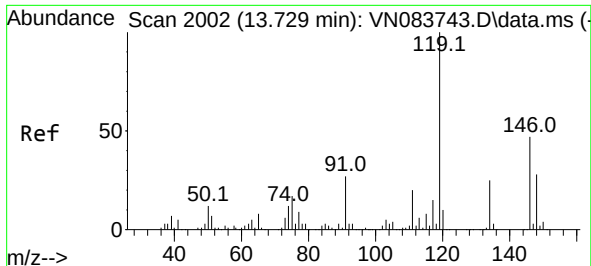


#85
sec-Butylbenzene
Concen: 0.325 ug/l
RT: 13.612 min Scan# 1982
Delta R.T. -0.006 min
Lab File: VN083823.D
Acq: 12 Sep 2024 11:20



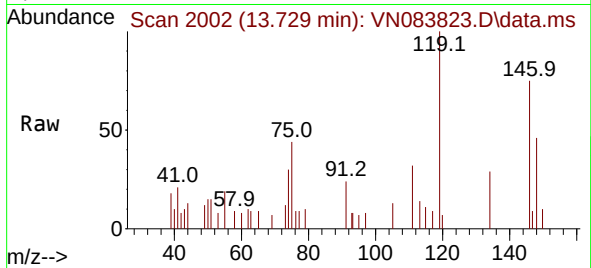
Tgt Ion:105 Resp: 3833
Ion Ratio Lower Upper
105 100
134 12.6 9.7 29.1





#86
p-Isopropyltoluene
Concen: 0.322 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. 0.000 min
Lab File: VN083823.D
Acq: 12 Sep 2024 11:20

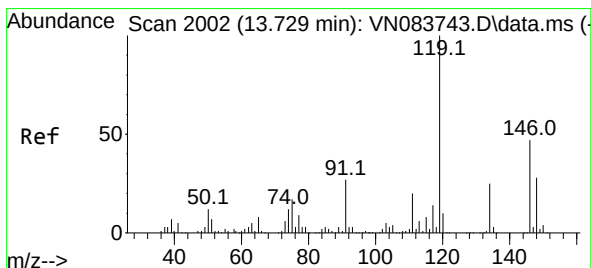
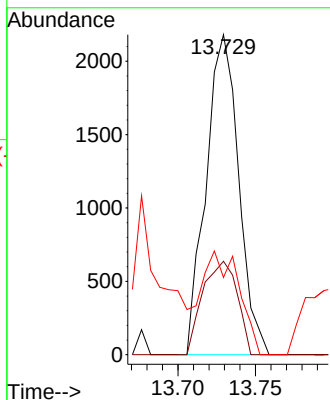
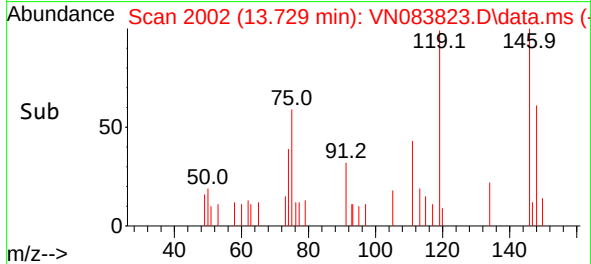
Instrument :
MSVOA_N
ClientSampleId :
9424-A-C



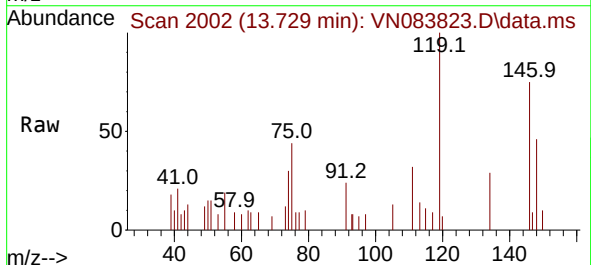
Tgt Ion:119 Resp: 319
Ion Ratio Lower Upper
119 100
134 30.9 12.8 38.3
91 37.6 12.9 38.7

Manual Integrations
APPROVED

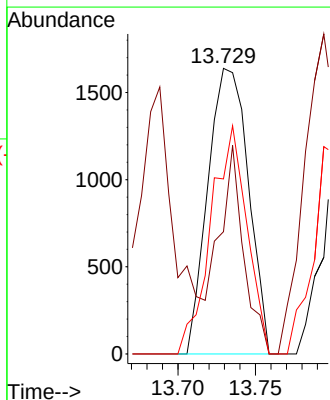
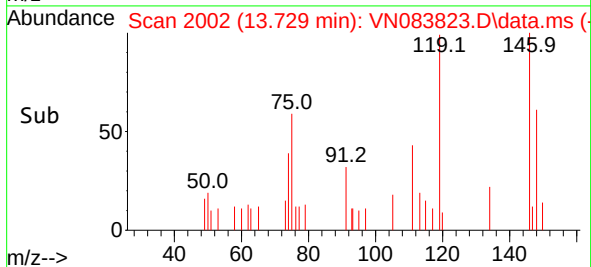
Reviewed By :John Carlone 09/13/2024
Supervised By :Semsettin Yesilyurt 09/13/2024

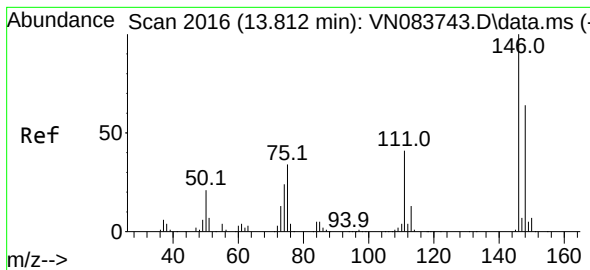


#87
1,3-Dichlorobenzene
Concen: 0.543 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. 0.000 min
Lab File: VN083823.D
Acq: 12 Sep 2024 11:20



Tgt Ion:146 Resp: 2977
Ion Ratio Lower Upper
146 100
111 43.6 21.7 65.1
148 71.0 31.7 95.1





#88

1,4-Dichlorobenzene

Concen: 0.652 ug/l m

RT: 13.812 min Scan# 2016

Delta R.T. 0.000 min

Lab File: VN083823.D

Acq: 12 Sep 2024 11:20

Instrument :

MSVOA_N

ClientSampleId :

9424-A-C

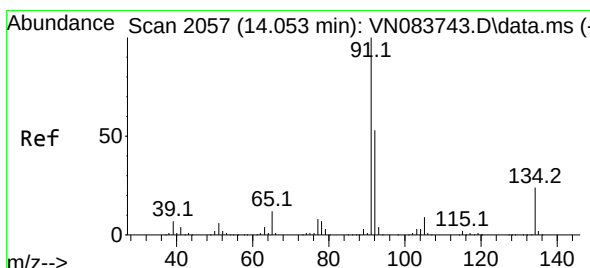
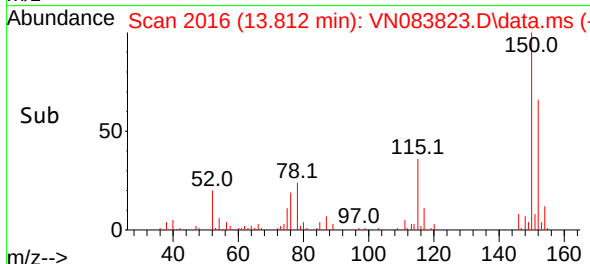
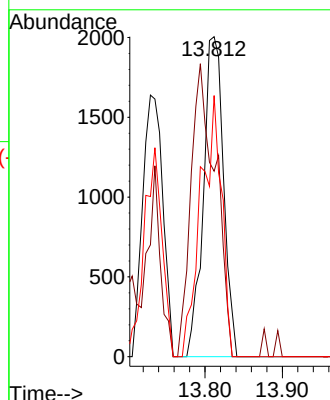
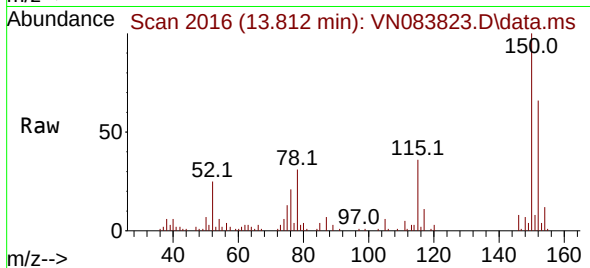
Tgt Ion:146	Resp:	3620
Ion Ratio	Lower	Upper
146	100	
111	35.9	21.3 64.0
148	58.4	32.0 96.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/13/2024

Supervised By :Semsettin Yesilyurt 09/13/2024



#89

n-Butylbenzene

Concen: 0.674 ug/l

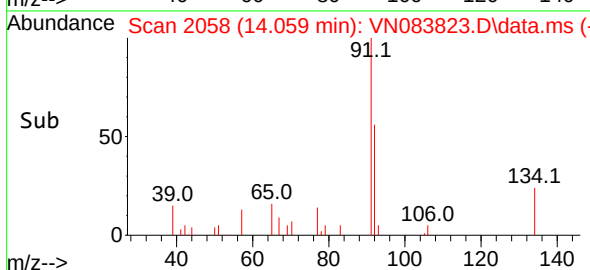
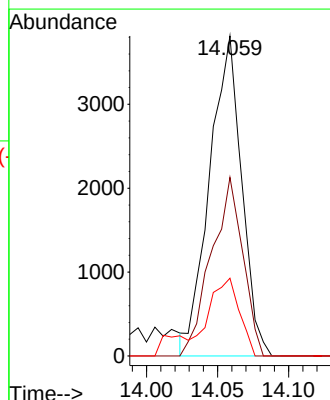
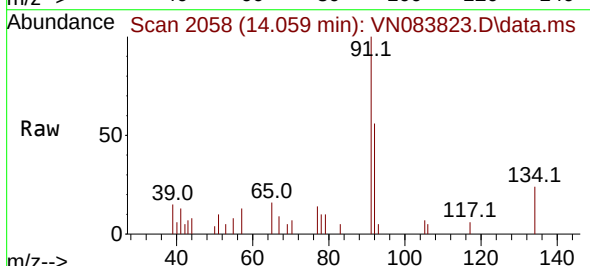
RT: 14.059 min Scan# 2058

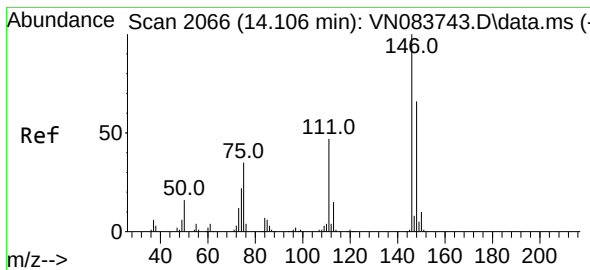
Delta R.T. 0.006 min

Lab File: VN083823.D

Acq: 12 Sep 2024 11:20

Tgt Ion: 91	Resp:	5989
Ion Ratio	Lower	Upper
91	100	
92	54.9	26.7 80.1
134	23.2	12.2 36.4





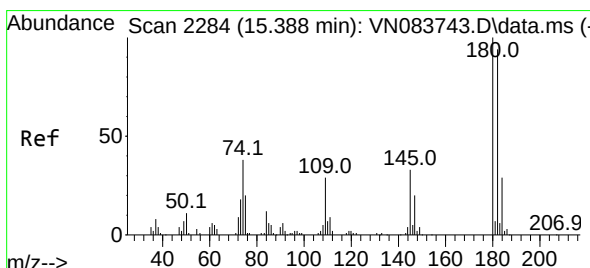
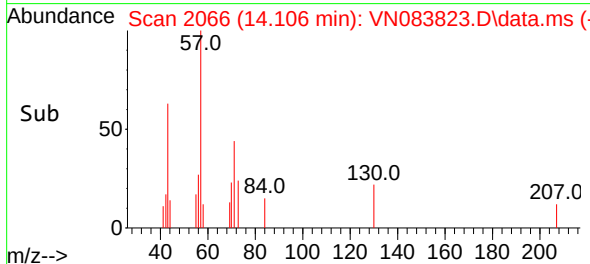
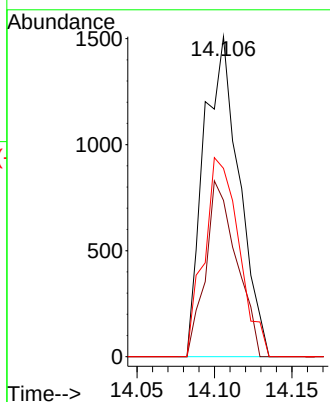
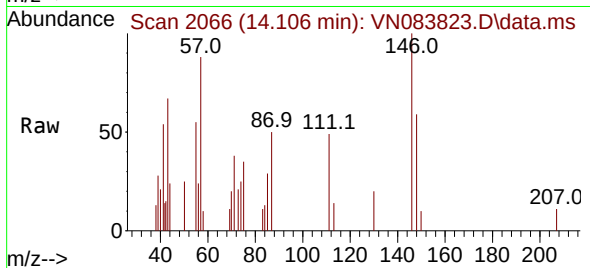
#91
1,2-Dichlorobenzene
Concen: 0.452 ug/l
RT: 14.106 min Scan# 2066
Delta R.T. 0.000 min
Lab File: VN083823.D
Acq: 12 Sep 2024 11:20

Instrument :
MSVOA_N
ClientSampleId :
9424-A-C

Tgt Ion:146 Resp: 2390
Ion Ratio Lower Upper
146 100
111 48.2 22.8 68.3
148 61.6 32.1 96.5

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/13/2024
Supervised By :Semsettin Yesilyurt 09/13/2024



#93
1,2,4-Trichlorobenzene
Concen: 1.252 ug/l
RT: 15.394 min Scan# 2285
Delta R.T. 0.006 min
Lab File: VN083823.D
Acq: 12 Sep 2024 11:20

Tgt Ion:180 Resp: 3555
Ion Ratio Lower Upper
180 100
182 88.9 48.1 144.3
145 49.8 16.9 50.7

