

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091224\
 Data File : VN083842.D
 Acq On : 12 Sep 2024 19:30
 Operator : JC\MD
 Sample : P3966-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VOA-240911078-02

Manual Integrations
 APPROVED

Reviewed By :John Carlone 09/13/2024
 Supervised By :Mahesh Dadoda 09/13/2024

Quant Time: Sep 13 00:24:10 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	8.224	168	124998	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	257760	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	292895	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	154451	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	100708	53.432	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 106.860%			
35) Dibromofluoromethane	8.165	113	78948	47.843	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 95.680%			
50) Toluene-d8	10.565	98	291011	51.013	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 102.020%			
62) 4-Bromofluorobenzene	12.847	95	147006	62.460	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 124.920%#			
Target Compounds					Qvalue	
8) Diethyl Ether	3.948	74	3300	3.645	ug/l	74
11) Tert butyl alcohol	5.542	59	2098899	8316.051	ug/l	99
16) Acetone	4.430	43	181548	240.280	ug/l	92
17) Carbon Disulfide	4.689	76	11004	2.910	ug/l #	92
18) Methyl Acetate	5.024	43	5084	1.427	ug/l	95
19) Methyl tert-butyl Ether	5.789	73	26456	5.408	ug/l #	81
25) 2-Butanone	7.483	43	572303	576.294	ug/l	99
29) Tetrahydrofuran	7.835	42	506931	863.307	ug/l	100
40) Benzene	8.606	78	34786	4.653	ug/l	96
51) 4-Methyl-2-Pentanone	10.435	43	11628m	5.229	ug/l	
52) Toluene	10.624	92	25060	5.480	ug/l	93
65) Chlorobenzene	11.888	112	14176	2.178	ug/l	97
67) Ethyl Benzene	11.965	91	79747	6.896	ug/l	99
68) m/p-Xylenes	12.065	106	28220	6.573	ug/l	98
69) o-Xylene	12.394	106	15793	3.800	ug/l	100
73) Isopropylbenzene	12.694	105	10438	0.874	ug/l	99
78) n-propylbenzene	13.041	91	5443	0.391	ug/l	98
80) 1,3,5-Trimethylbenzene	13.176	105	5274	0.524	ug/l	96
84) 1,2,4-Trimethylbenzene	13.476	105	20978	2.073	ug/l	100
86) p-Isopropyltoluene	13.729	119	44147	4.505	ug/l	96
88) 1,4-Dichlorobenzene	13.812	146	11104	2.020	ug/l #	76
95) Naphthalene	15.641	128	157466	18.411	ug/l	99

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

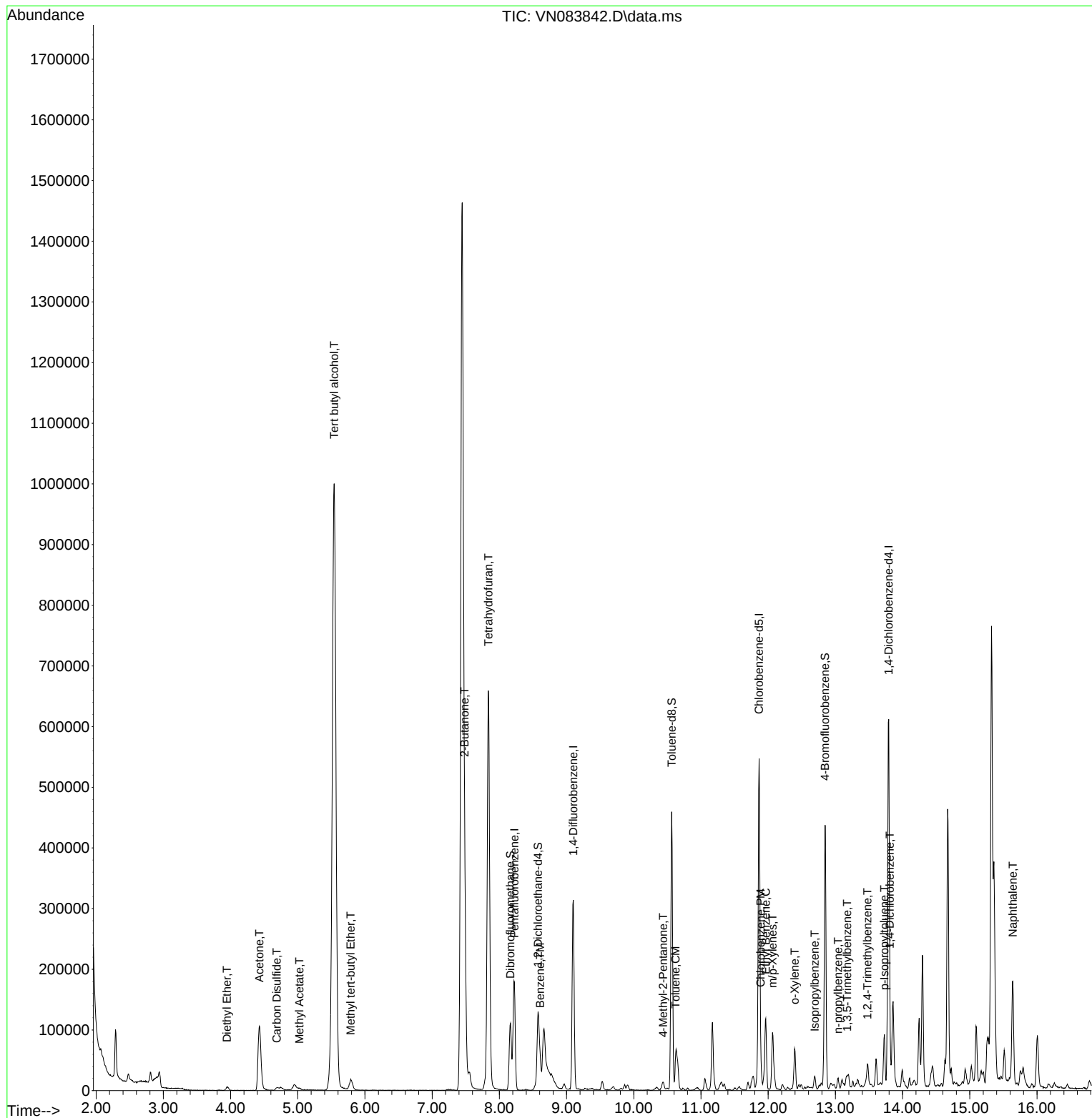
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091224\
Data File : VN083842.D
Acq On : 12 Sep 2024 19:30
Operator : JC\MD
Sample : P3966-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 26 Sample Multiplier: 1

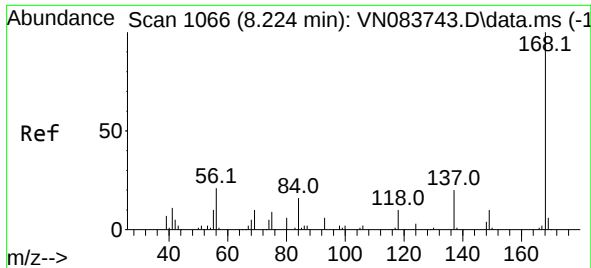
Instrument :
MSVOA_N
ClientSampleId :
VOA-240911078-02

Manual Integrations
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Supervised By : Mahesh Dadoda 09/13/2024

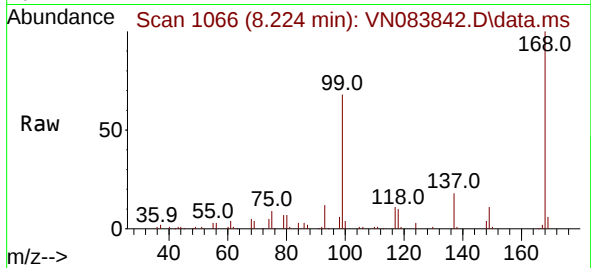
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091024W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 11 15:18:56 2024
Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN083842.D
Acq: 12 Sep 2024 19:30

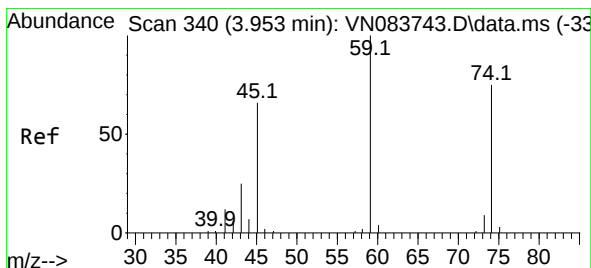
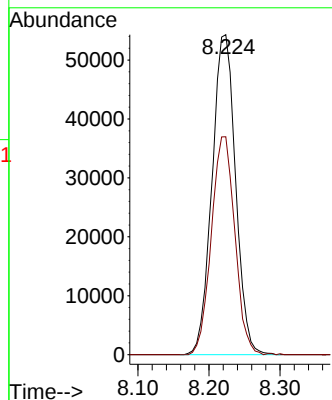
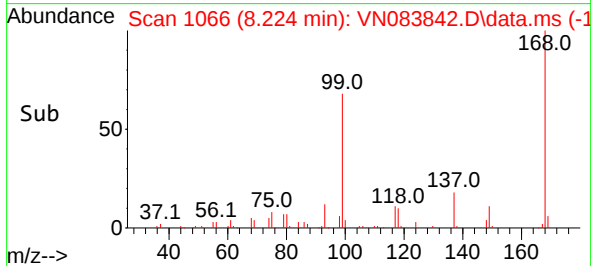
Instrument :
MSVOA_N
ClientSampleId :
VOA-240911078-02



Tgt Ion:168 Resp: 124998
Ion Ratio Lower Upper
168 100
99 68.1 54.2 81.2

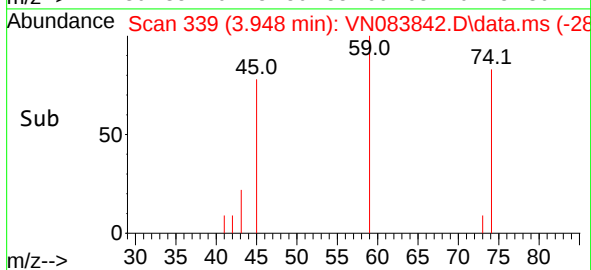
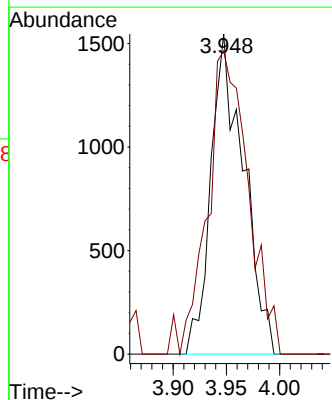
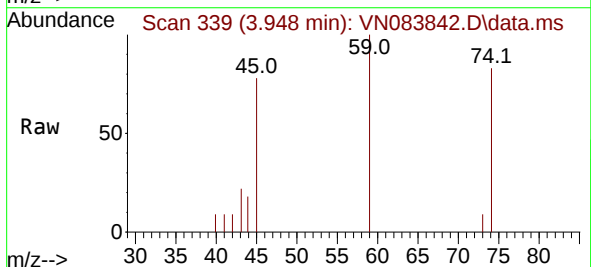
Manual Integrations
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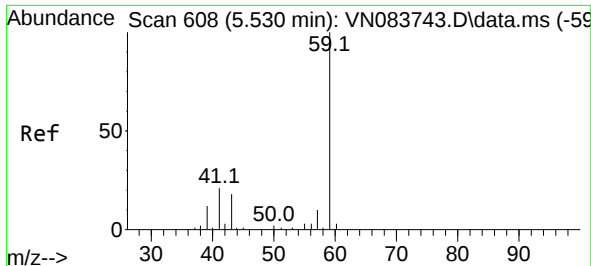
Reviewed By :John Carlone 09/13/2024
Supervised By :Mahesh Dadoda 09/13/2024



#8
Diethyl Ether
Concen: 3.645 ug/l
RT: 3.948 min Scan# 339
Delta R.T. -0.006 min
Lab File: VN083842.D
Acq: 12 Sep 2024 19:30

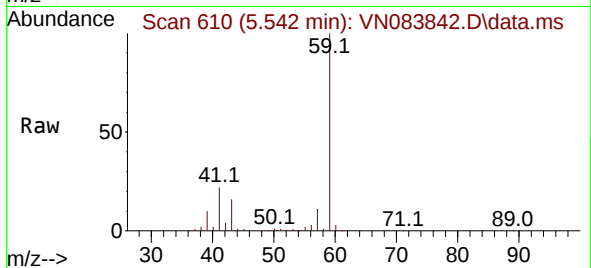
Tgt Ion: 74 Resp: 3300
Ion Ratio Lower Upper
74 100
45 118.6 46.7 140.1





#11
Tert butyl alcohol
Concen: 8316.051 ug/l
RT: 5.542 min Scan# 610
Delta R.T. 0.012 min
Lab File: VN083842.D
Acq: 12 Sep 2024 19:30

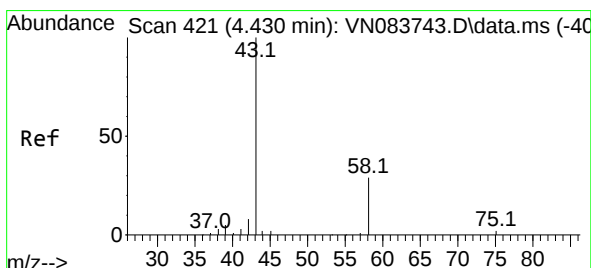
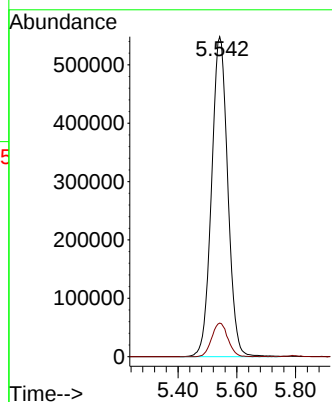
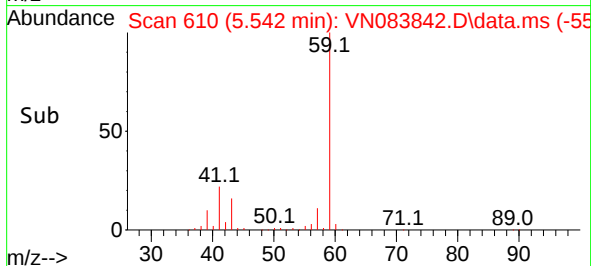
Instrument :
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VOA-240911078-02



Tgt Ion: 59 Resp: 209889
Ion Ratio Lower Upper
59 100
57 10.5 8.7 13.1

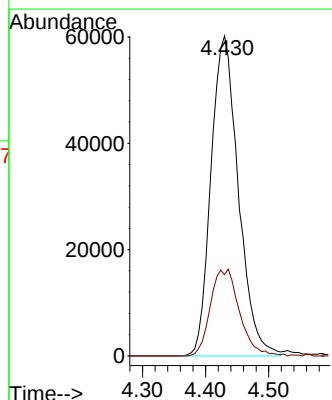
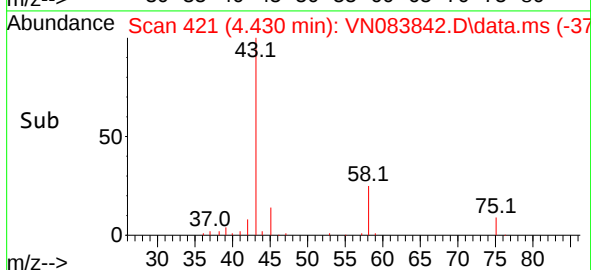
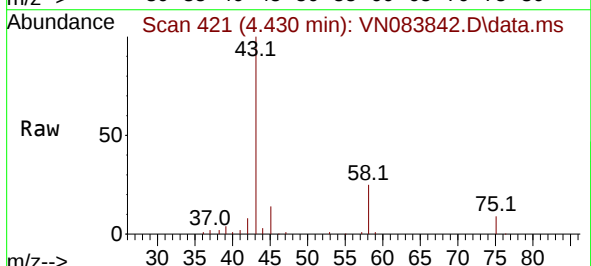
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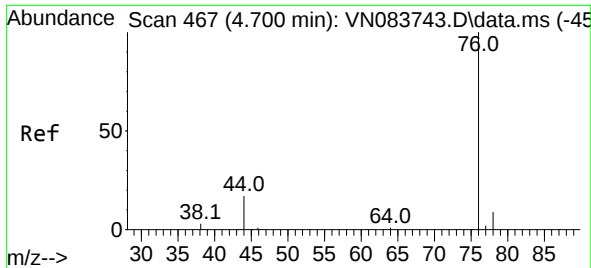
Reviewed By :John Carlone 09/13/2024
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#16
Acetone
Concen: 240.280 ug/l
RT: 4.430 min Scan# 421
Delta R.T. -0.000 min
Lab File: VN083842.D
Acq: 12 Sep 2024 19:30

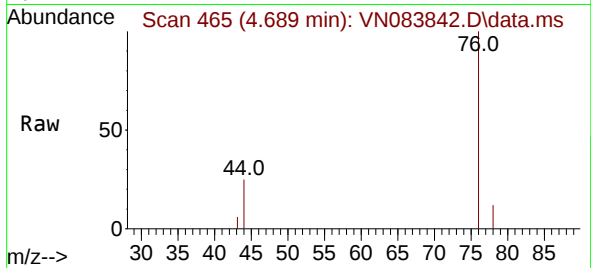
Tgt Ion: 43 Resp: 181548
Ion Ratio Lower Upper
43 100
58 25.4 23.7 35.5





#17
Carbon Disulfide
Concen: 2.910 ug/l
RT: 4.689 min Scan# 465
Delta R.T. -0.012 min
Lab File: VN083842.D
Acq: 12 Sep 2024 19:30

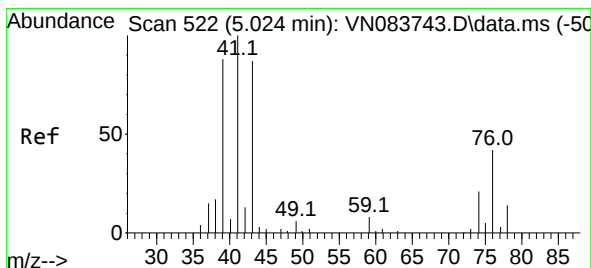
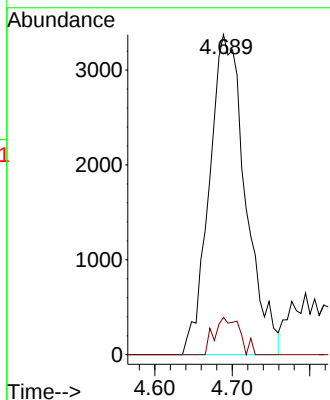
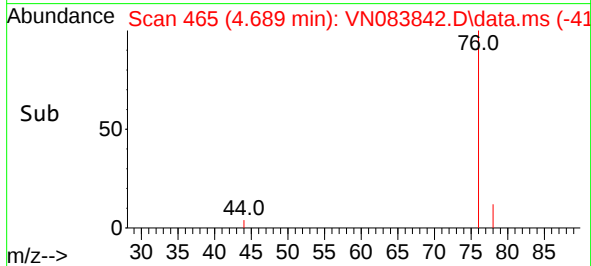
Instrument :
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ClientSampleId :
VOA-240911078-02



Tgt Ion: 76 Resp: 11004
Ion Ratio Lower Upper
76 100
78 11.7 7.1 10.7

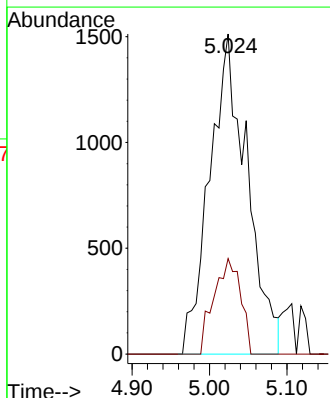
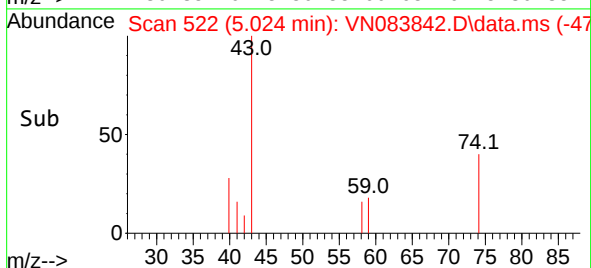
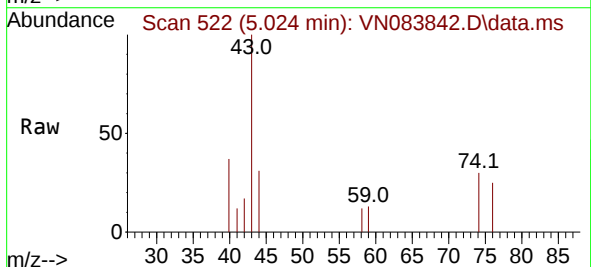
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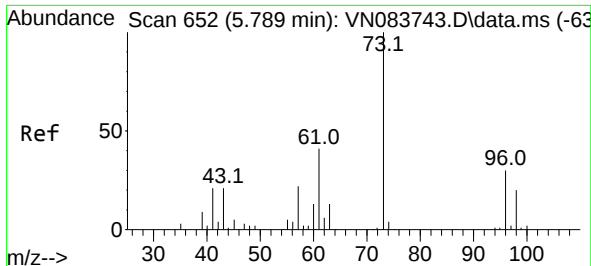
Reviewed By :John Carlone 09/13/2024
Supervised By :Mahesh Dadoda 09/13/2024



#18
Methyl Acetate
Concen: 1.427 ug/l
RT: 5.024 min Scan# 522
Delta R.T. -0.000 min
Lab File: VN083842.D
Acq: 12 Sep 2024 19:30

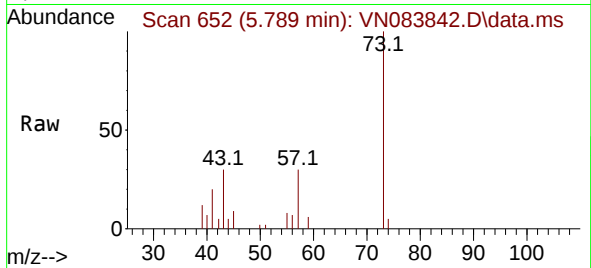
Tgt Ion: 43 Resp: 5084
Ion Ratio Lower Upper
43 100
74 21.2 19.0 28.4





#19
Methyl tert-butyl Ether
Concen: 5.408 ug/l
RT: 5.789 min Scan# 61
Delta R.T. -0.000 min
Lab File: VN083842.D
Acq: 12 Sep 2024 19:30

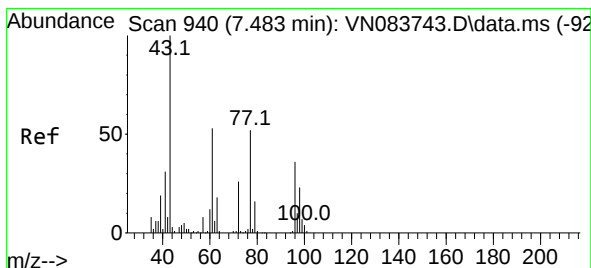
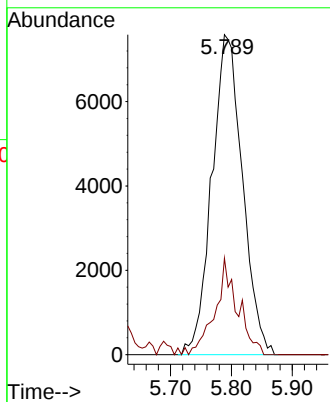
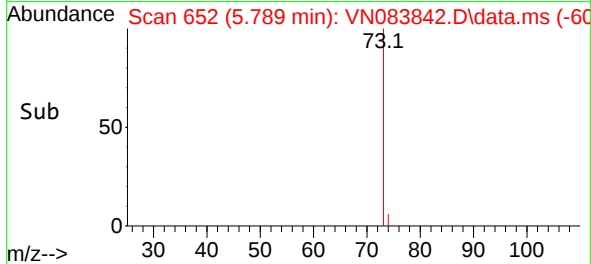
Instrument :
MSVOA_N
ClientSampleId :
VOA-240911078-02



Tgt Ion: 73 Resp: 26450
Ion Ratio Lower Upper
73 100
57 30.1 17.0 25.6

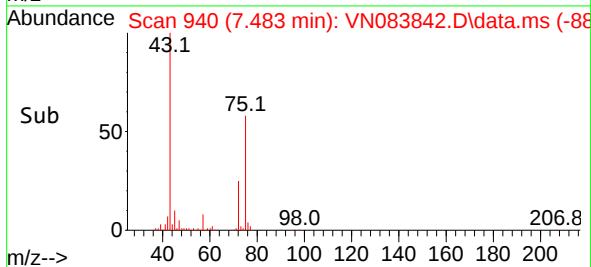
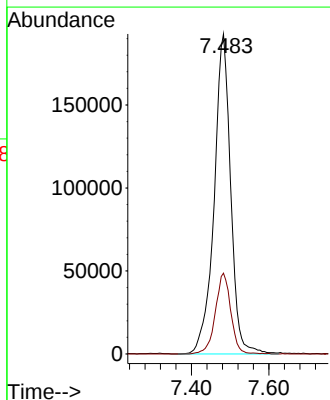
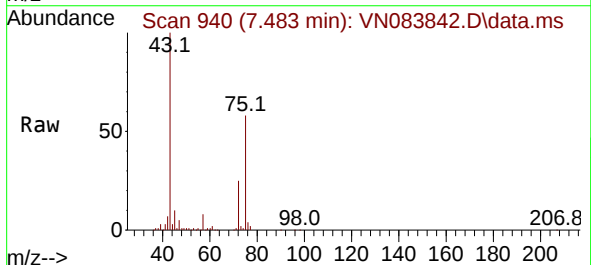
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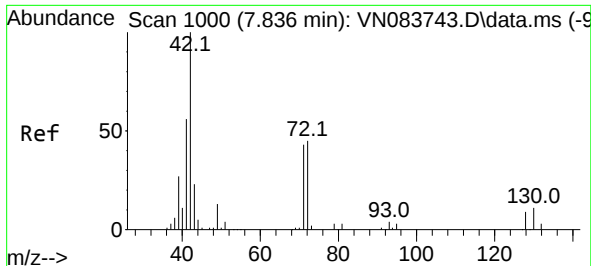
Reviewed By :John Carlone 09/13/2024
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#25
2-Butanone
Concen: 576.294 ug/l
RT: 7.483 min Scan# 940
Delta R.T. -0.000 min
Lab File: VN083842.D
Acq: 12 Sep 2024 19:30

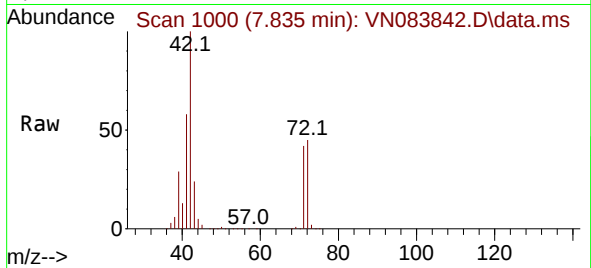
Tgt Ion: 43 Resp: 572303
Ion Ratio Lower Upper
43 100
72 25.2 20.8 31.2





#29
Tetrahydrofuran
Concen: 863.307 ug/l
RT: 7.835 min Scan# 1000
Delta R.T. -0.000 min
Lab File: VN083842.D
Acq: 12 Sep 2024 19:30

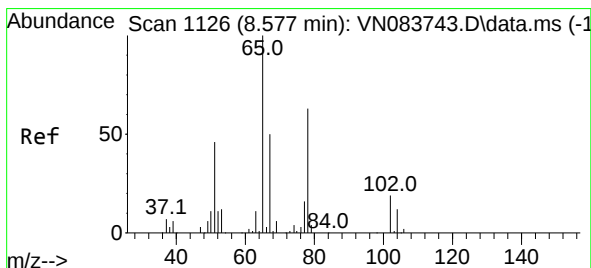
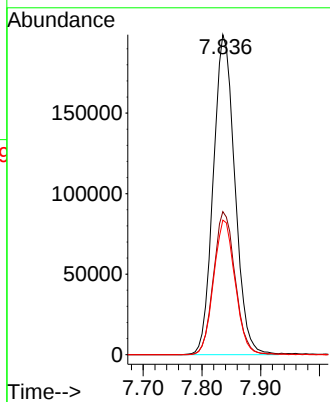
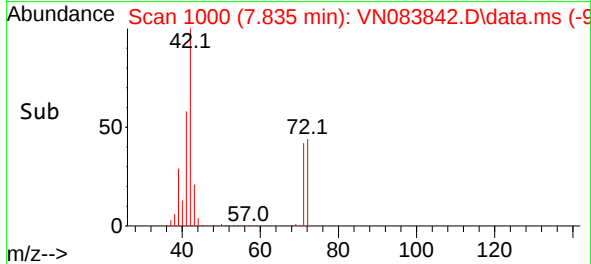
Instrument :
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VOA-240911078-02



Tgt Ion: 42 Resp: 50693
Ion Ratio Lower Upper
42 100
72 44.8 35.9 53.9
71 42.0 33.9 50.9

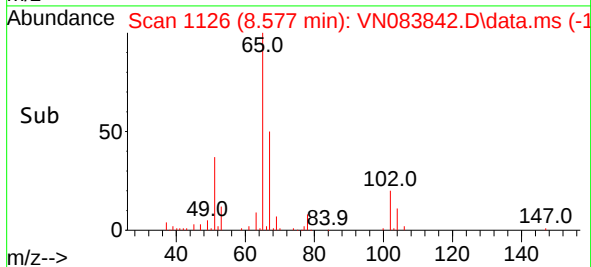
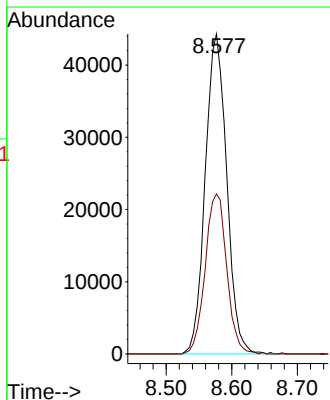
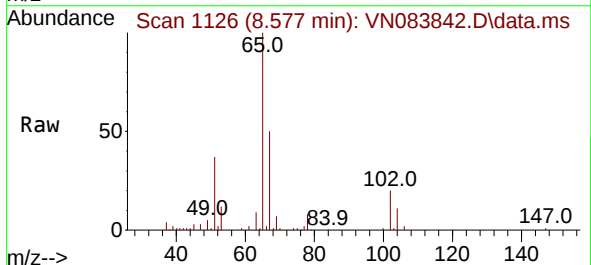
Manual Integrations
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#33
1,2-Dichloroethane-d4
Concen: 53.432 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VN083842.D
Acq: 12 Sep 2024 19:30

Tgt Ion: 65 Resp: 100708
Ion Ratio Lower Upper
65 100
67 50.3 0.0 100.8





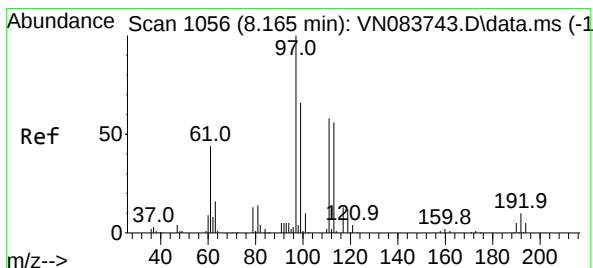
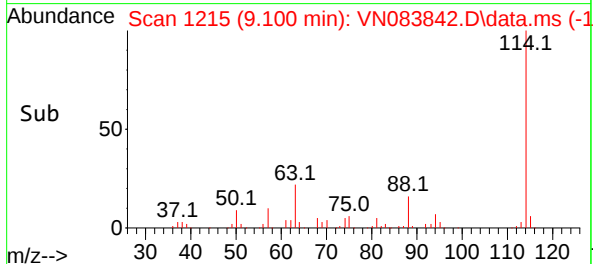
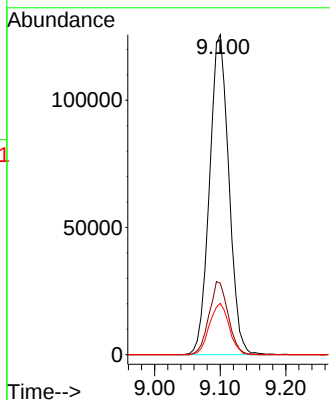
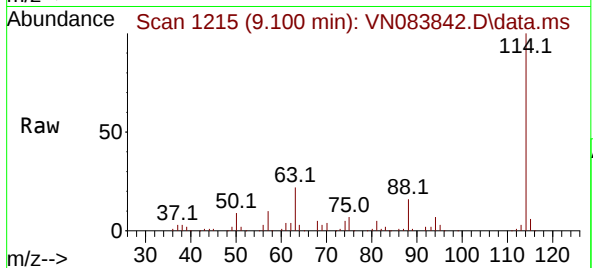
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 114
Delta R.T. -0.000 min
Lab File: VN083842.D
Acq: 12 Sep 2024 19:30

Instrument :
MSVOA_N
ClientSampleId :
VOA-240911078-02

Tgt Ion:114 Resp: 257760
Ion Ratio Lower Upper
114 100
63 22.4 0.0 43.4
88 16.0 0.0 32.6

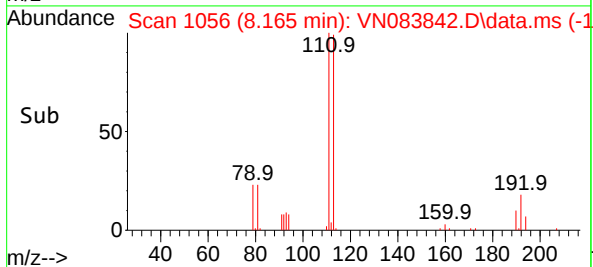
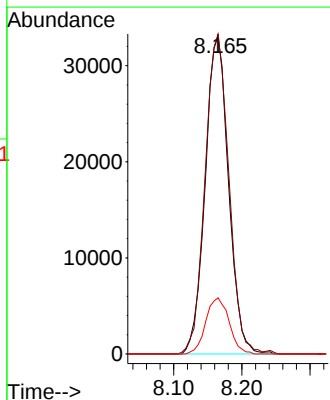
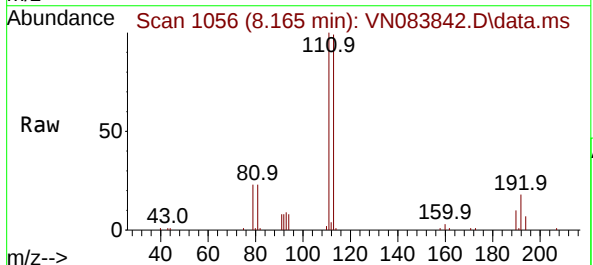
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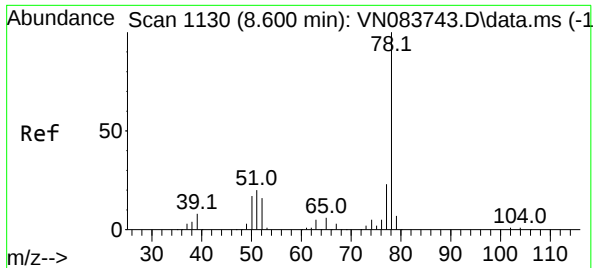
Reviewed By :John Carlone 09/13/2024
Supervised By :Mahesh Dadoda 09/13/2024



#35
Dibromofluoromethane
Concen: 47.843 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VN083842.D
Acq: 12 Sep 2024 19:30

Tgt Ion:113 Resp: 78948
Ion Ratio Lower Upper
113 100
111 102.6 82.6 124.0
192 17.6 14.3 21.5





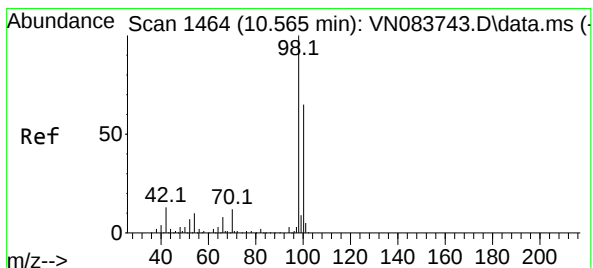
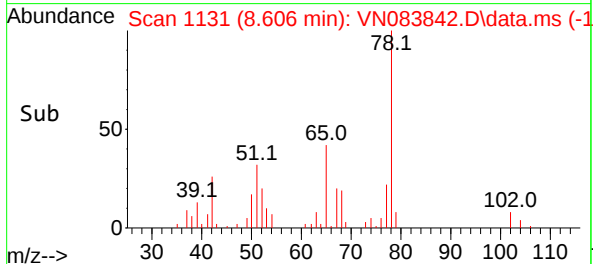
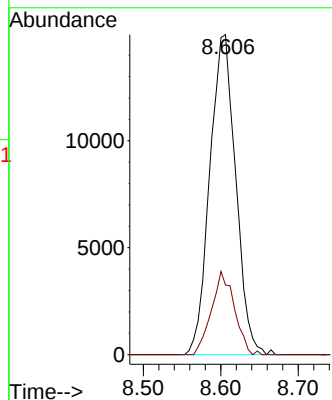
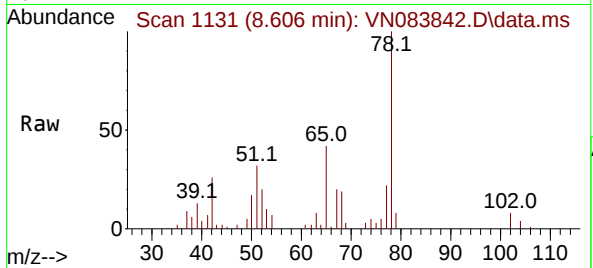
#40
Benzene
Concen: 4.653 ug/l
RT: 8.606 min Scan# 1130
Delta R.T. 0.006 min
Lab File: VN083842.D
Acq: 12 Sep 2024 19:30

Instrument :
MSVOA_N
ClientSampleId :
VOA-240911078-02

Tgt Ion: 78 Resp: 34780
Ion Ratio Lower Upper
78 100
77 21.8 19.0 28.6

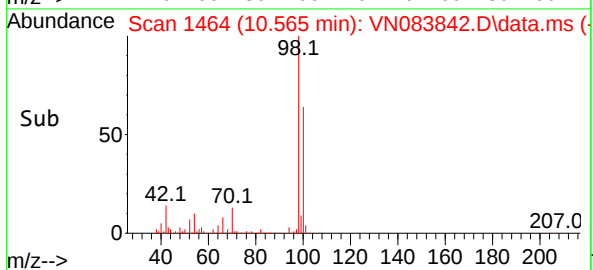
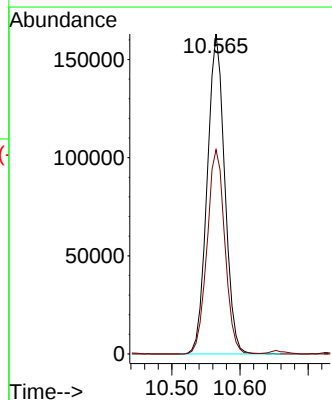
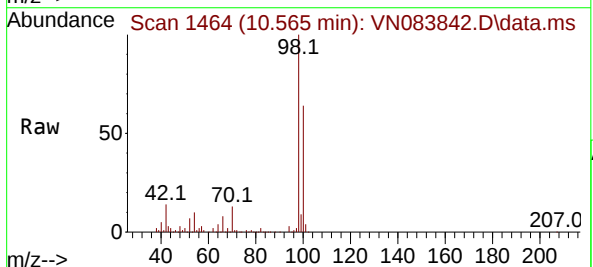
Manual Integrations
APPROVED

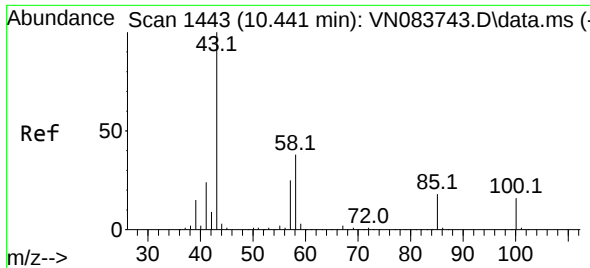
Reviewed By :John Carlone 09/13/2024
Supervised By :Mahesh Dadoda 09/13/2024



#50
Toluene-d8
Concen: 51.013 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN083842.D
Acq: 12 Sep 2024 19:30

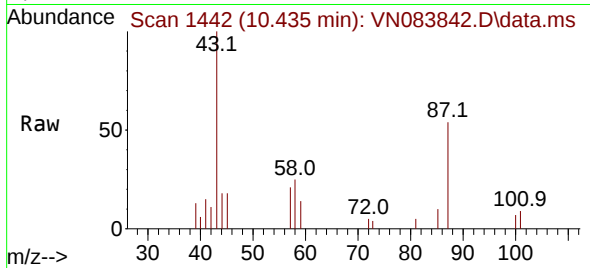
Tgt Ion: 98 Resp: 291011
Ion Ratio Lower Upper
98 100
100 64.9 52.0 78.0





#51
4-Methyl-2-Pentanone
Concen: 5.229 ug/l m
RT: 10.435 min Scan# 1443
Delta R.T. -0.006 min
Lab File: VN083842.D
Acq: 12 Sep 2024 19:30

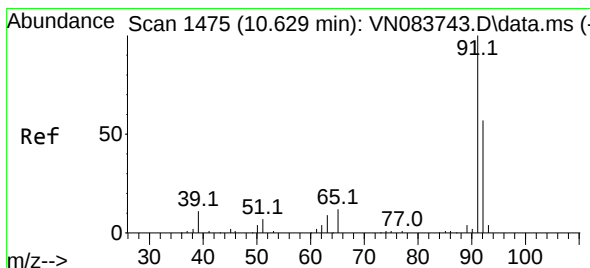
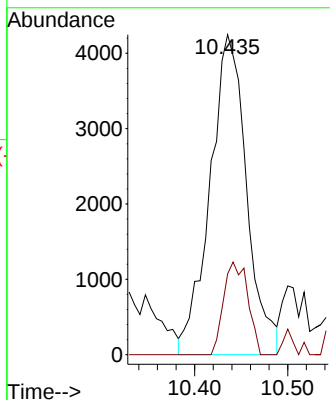
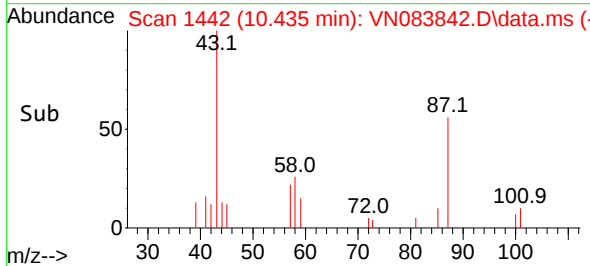
Instrument :
MSVOA_N
ClientSampleId :
VOA-240911078-02



Tgt Ion: 43 Resp: 11628
Ion Ratio Lower Upper
43 100
58 28.8 31.6 47.4

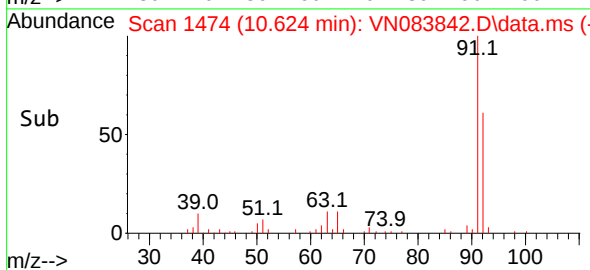
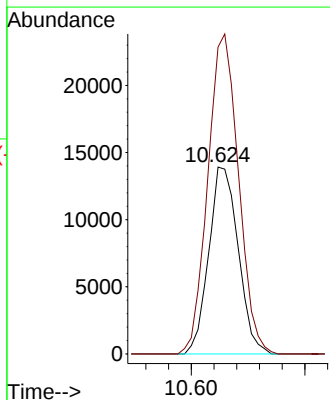
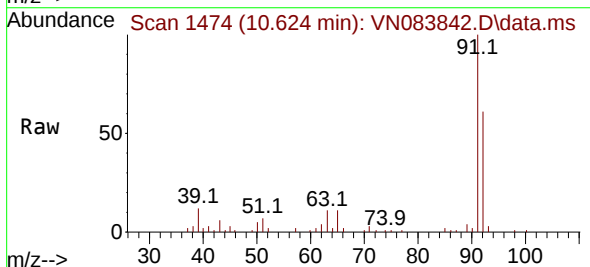
Manual Integrations
APPROVED

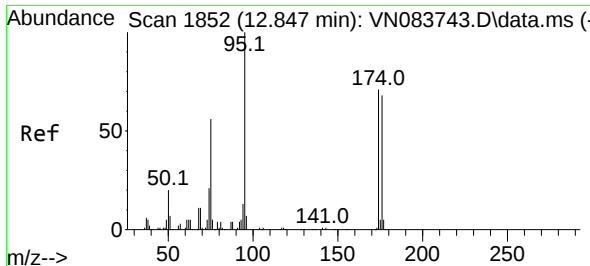
Reviewed By :John Carlone 09/13/2024
Supervised By :Mahesh Dadoda 09/13/2024



#52
Toluene
Concen: 5.480 ug/l
RT: 10.624 min Scan# 1474
Delta R.T. -0.006 min
Lab File: VN083842.D
Acq: 12 Sep 2024 19:30

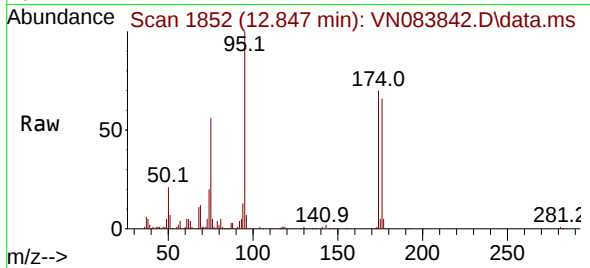
Tgt Ion: 92 Resp: 25060
Ion Ratio Lower Upper
92 100
91 178.2 134.7 202.1





#62
4-Bromofluorobenzene
Concen: 62.460 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN083842.D
Acq: 12 Sep 2024 19:30

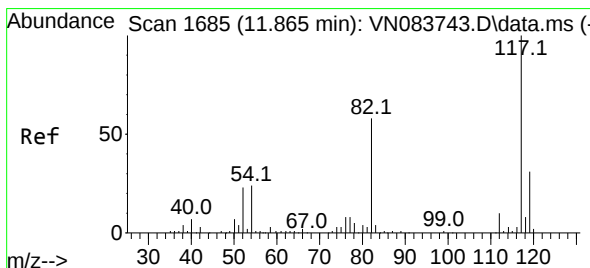
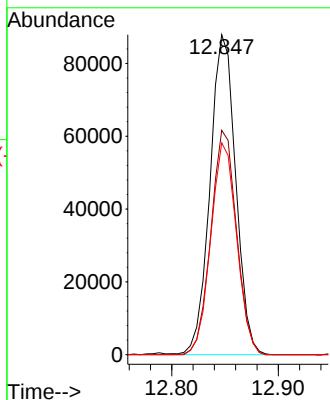
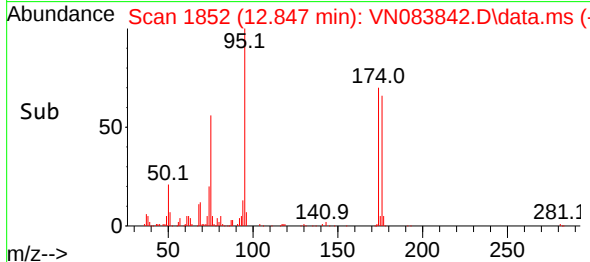
Instrument :
MSVOA_N
ClientSampleId :
VOA-240911078-02



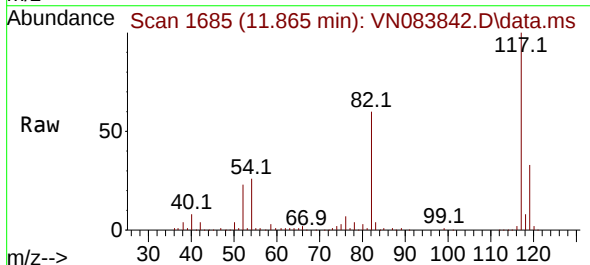
Tgt Ion: 95 Resp: 147000
Ion Ratio Lower Upper
95 100
174 70.2 0.0 139.8
176 66.7 0.0 131.4

Manual Integrations
APPROVED

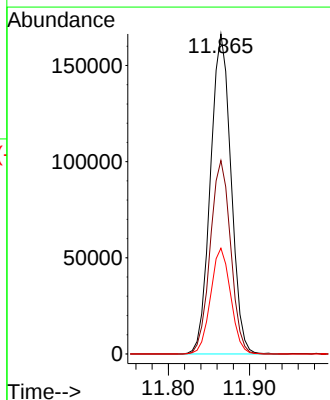
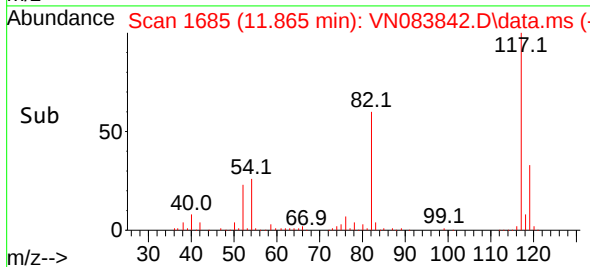
Reviewed By :John Carlone 09/13/2024
Supervised By :Mahesh Dadoda 09/13/2024

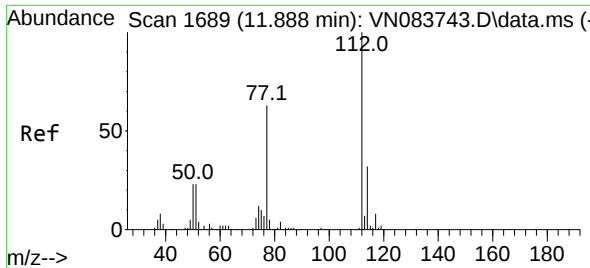


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN083842.D
Acq: 12 Sep 2024 19:30



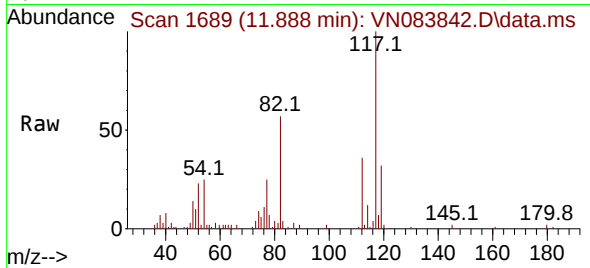
Tgt Ion:117 Resp: 292895
Ion Ratio Lower Upper
117 100
82 60.4 47.4 71.0
119 33.1 26.3 39.5





#65
Chlorobenzene
Concen: 2.178 ug/l
RT: 11.888 min Scan# 1689
Delta R.T. -0.000 min
Lab File: VN083842.D
Acq: 12 Sep 2024 19:30

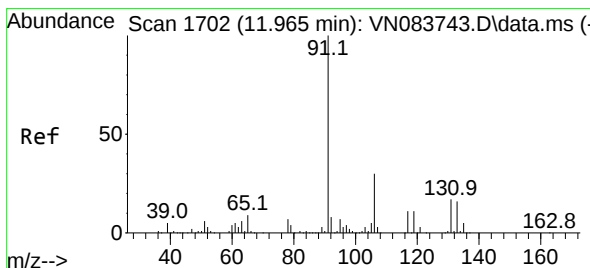
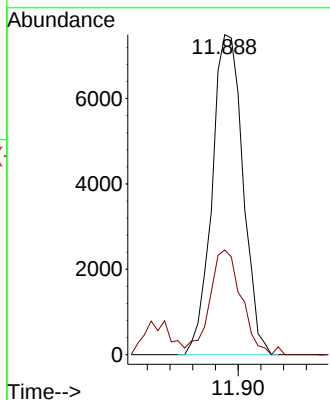
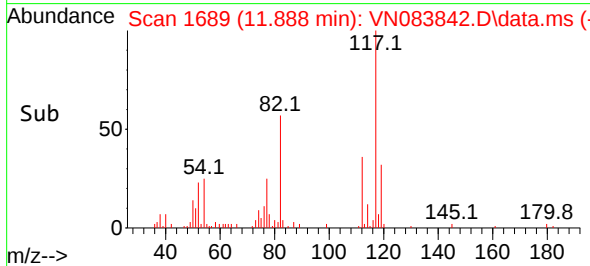
Instrument :
MSVOA_N
ClientSampleId :
VOA-240911078-02



Tgt Ion: 112 Resp: 14170
Ion Ratio Lower Upper
112 100
114 30.3 25.7 38.5

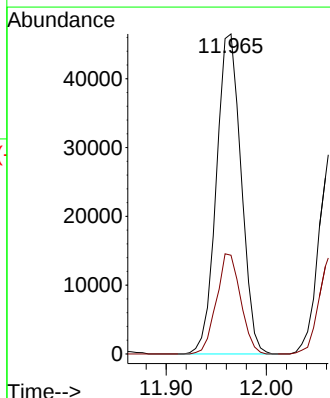
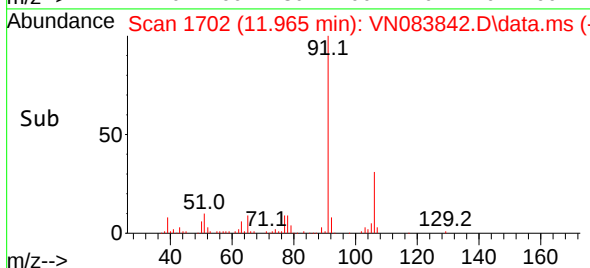
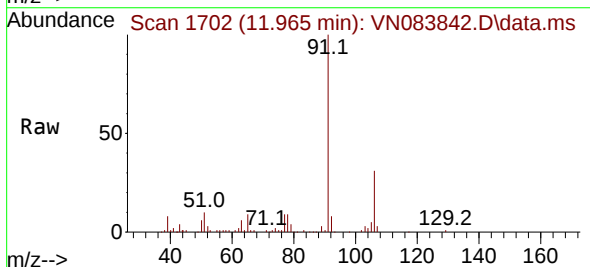
Manual Integrations
APPROVED

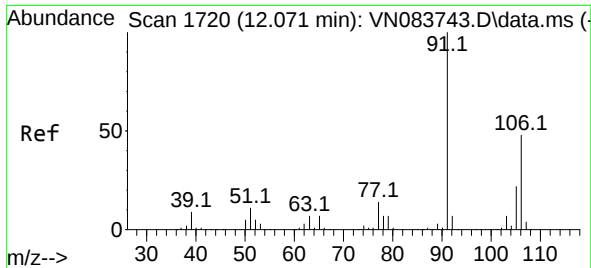
Reviewed By :John Carlone 09/13/2024
Supervised By :Mahesh Dadoda 09/13/2024



#67
Ethyl Benzene
Concen: 6.896 ug/l
RT: 11.965 min Scan# 1702
Delta R.T. -0.000 min
Lab File: VN083842.D
Acq: 12 Sep 2024 19:30

Tgt Ion: 91 Resp: 79747
Ion Ratio Lower Upper
91 100
106 30.8 24.3 36.5





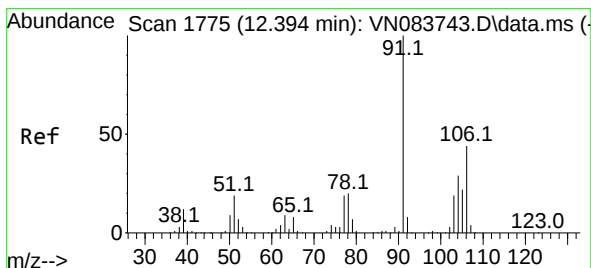
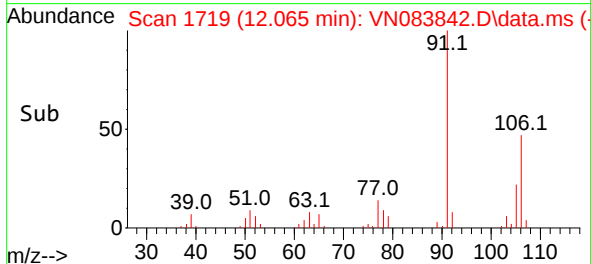
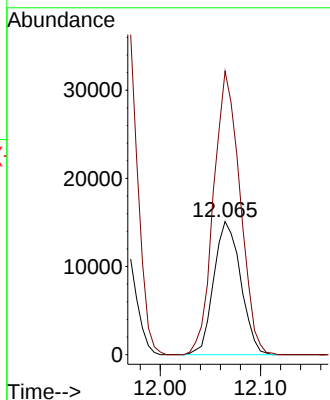
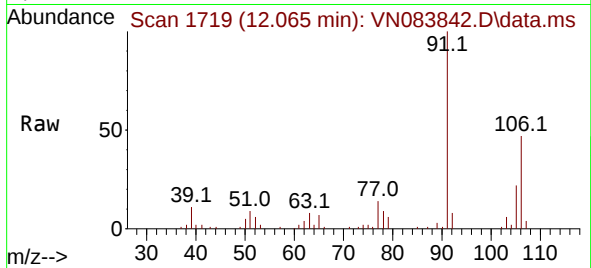
#68
m/p-Xylenes
Concen: 6.573 ug/l
RT: 12.065 min Scan# 1719
Delta R.T. -0.006 min
Lab File: VN083842.D
Acq: 12 Sep 2024 19:30

Instrument :
MSVOA_N
ClientSampleId :
VOA-240911078-02

Tgt Ion:106 Resp: 28220
Ion Ratio Lower Upper
106 100
91 208.9 169.2 253.8

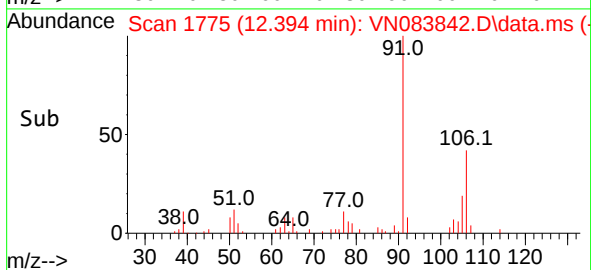
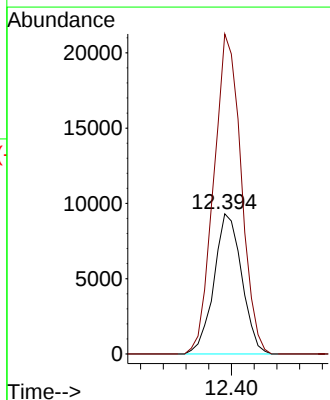
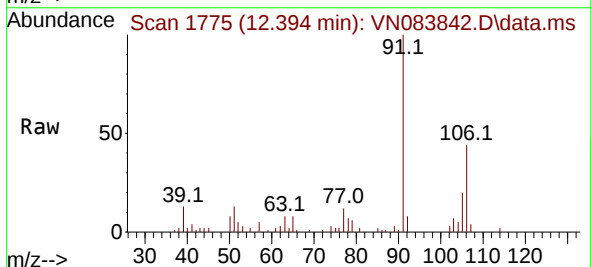
Manual Integrations
APPROVED

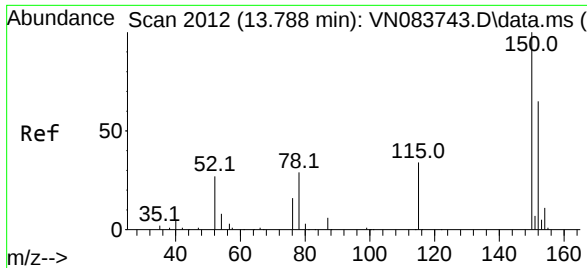
Reviewed By :John Carlone 09/13/2024
Supervised By :Mahesh Dadoda 09/13/2024



#69
o-Xylene
Concen: 3.800 ug/l
RT: 12.394 min Scan# 1775
Delta R.T. -0.000 min
Lab File: VN083842.D
Acq: 12 Sep 2024 19:30

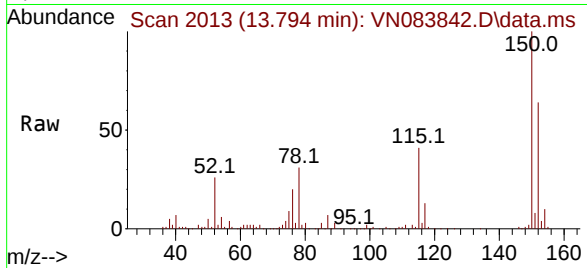
Tgt Ion:106 Resp: 15793
Ion Ratio Lower Upper
106 100
91 225.6 112.9 338.6





#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2012
Delta R.T. 0.006 min
Lab File: VN083842.D
Acq: 12 Sep 2024 19:30

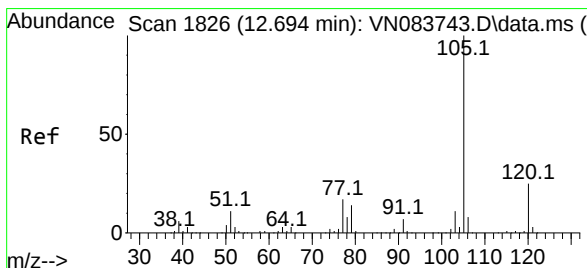
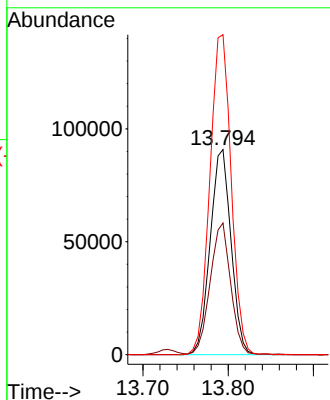
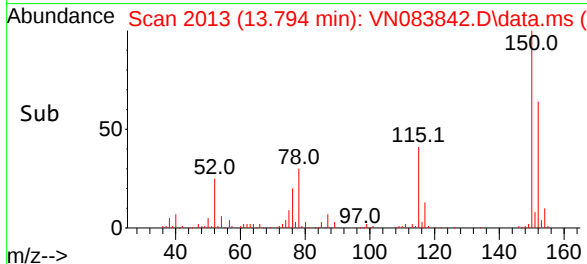
Instrument :
MSVOA_N
ClientSampleId :
VOA-240911078-02



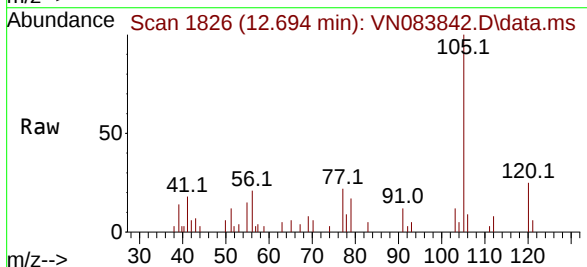
Tgt Ion:152 Resp: 15445
Ion Ratio Lower Upper
152 100
115 63.4 32.2 96.6
150 159.4 0.0 348.6

Manual Integrations
APPROVED

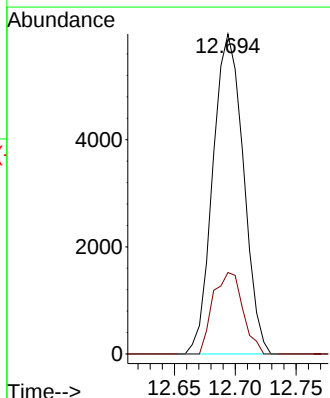
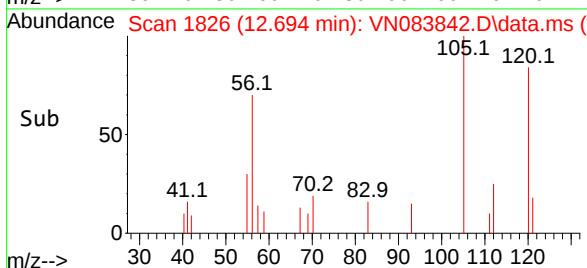
Reviewed By :John Carlone 09/13/2024
Supervised By :Mahesh Dadoda 09/13/2024

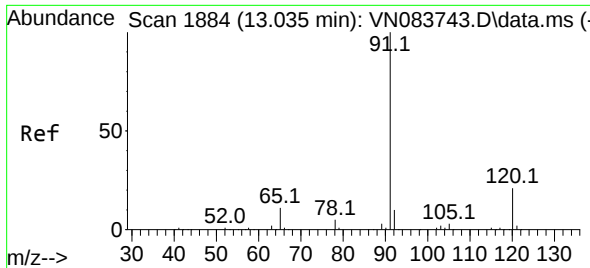


#73
Isopropylbenzene
Concen: 0.874 ug/l
RT: 12.694 min Scan# 1826
Delta R.T. -0.000 min
Lab File: VN083842.D
Acq: 12 Sep 2024 19:30



Tgt Ion:105 Resp: 10438
Ion Ratio Lower Upper
105 100
120 24.8 12.6 37.8





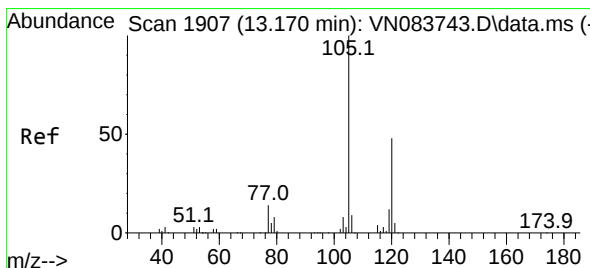
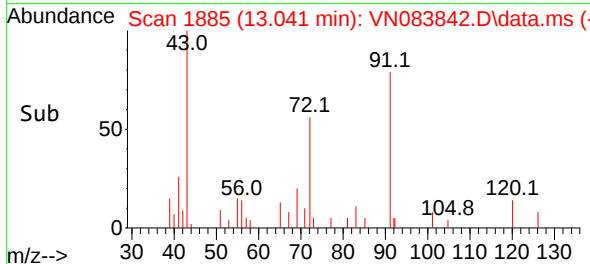
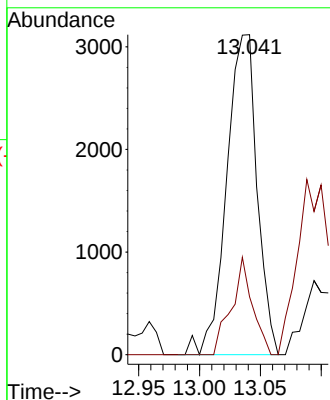
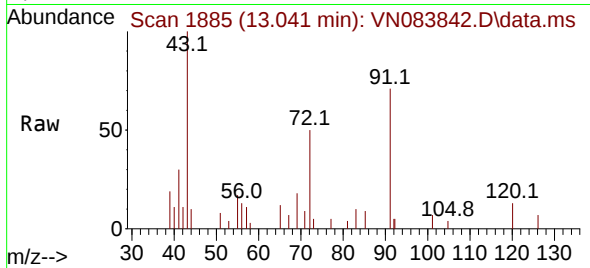
#78
n-propylbenzene
Concen: 0.391 ug/l
RT: 13.041 min Scan# 1885
Delta R.T. 0.006 min
Lab File: VN083842.D
Acq: 12 Sep 2024 19:30

Instrument :
MSVOA_N
ClientSampleId :
VOA-240911078-02

Tgt Ion: 91 Resp: 544
Ion Ratio Lower Upper
91 100
120 21.0 11.0 33.0

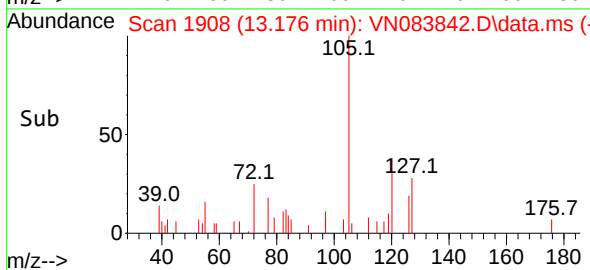
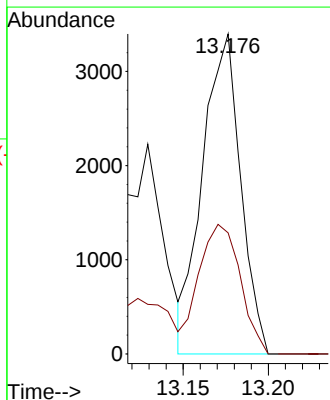
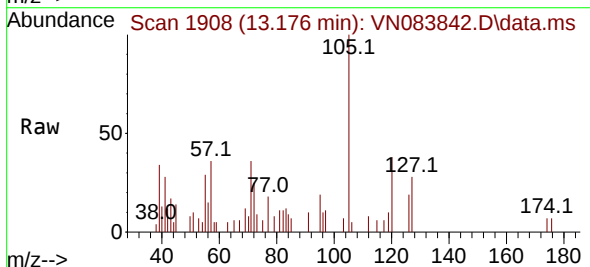
Manual Integrations
APPROVED

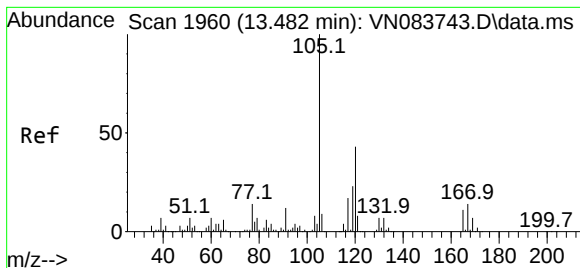
Reviewed By :John Carlone 09/13/2024
Supervised By :Mahesh Dadoda 09/13/2024



#80
1,3,5-Trimethylbenzene
Concen: 0.524 ug/l
RT: 13.176 min Scan# 1908
Delta R.T. 0.006 min
Lab File: VN083842.D
Acq: 12 Sep 2024 19:30

Tgt Ion:105 Resp: 5274
Ion Ratio Lower Upper
105 100
120 44.2 23.4 70.3





#84

1,2,4-Trimethylbenzene

Concen: 2.073 ug/l

RT: 13.476 min Scan# 1960

Delta R.T. -0.006 min

Lab File: VN083842.D

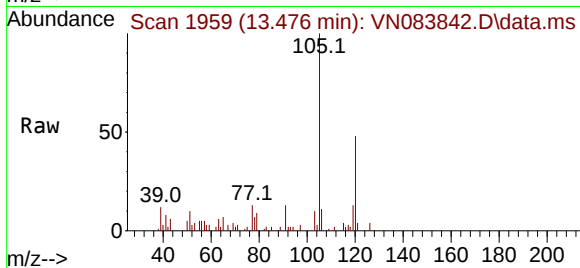
Acq: 12 Sep 2024 19:30

Instrument :

MSVOA_N

ClientSampleId :

VOA-240911078-02



Tgt Ion:105 Resp: 20978

Ion Ratio Lower Upper

105 100

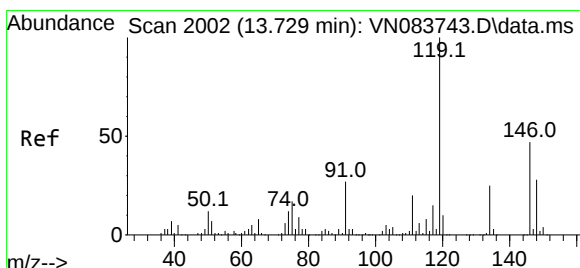
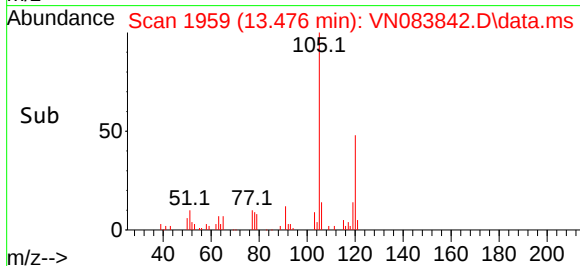
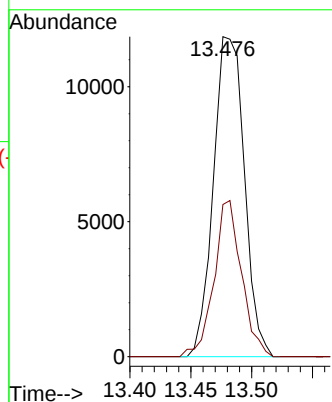
120 43.4 21.8 65.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 09/13/2024

Supervised By :Mahesh Dadoda 09/13/2024



#86

p-Isopropyltoluene

Concen: 4.505 ug/l

RT: 13.729 min Scan# 2002

Delta R.T. -0.000 min

Lab File: VN083842.D

Acq: 12 Sep 2024 19:30

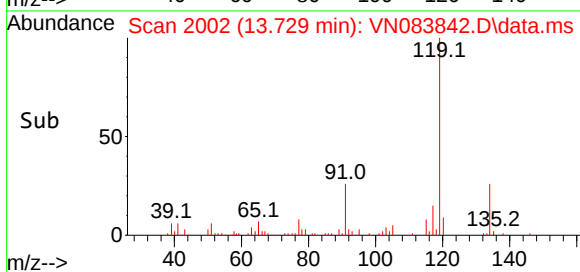
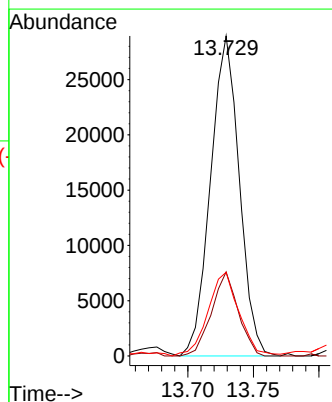
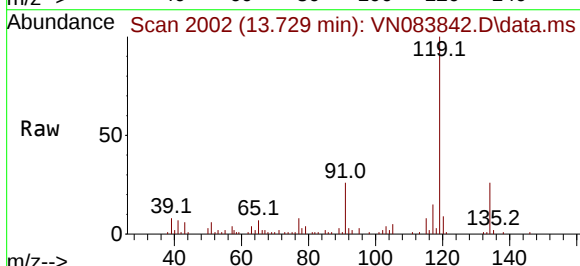
Tgt Ion:119 Resp: 44147

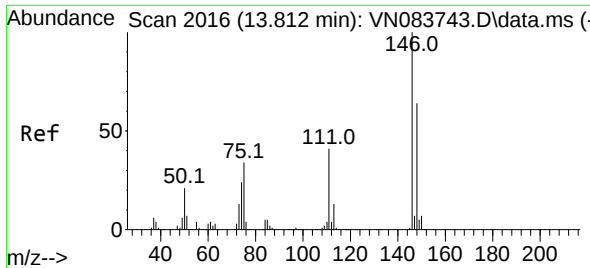
Ion Ratio Lower Upper

119 100

134 24.2 12.8 38.3

91 28.2 12.9 38.7





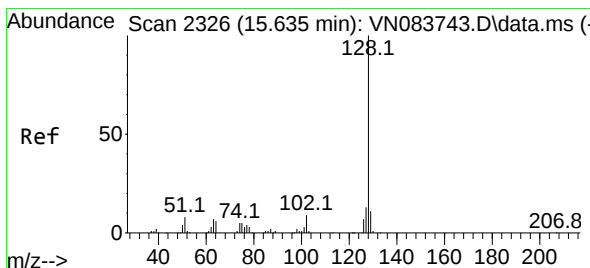
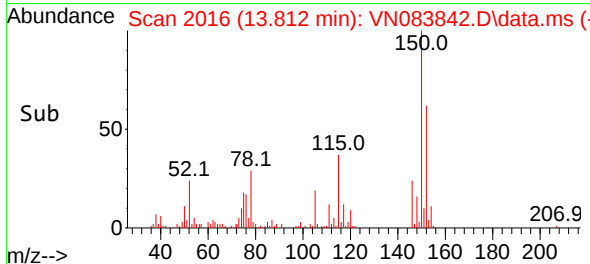
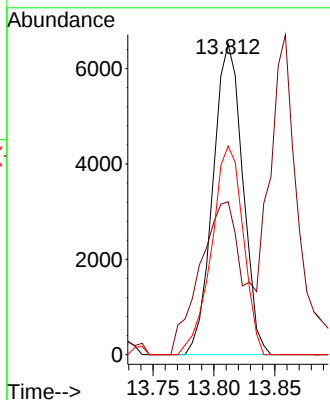
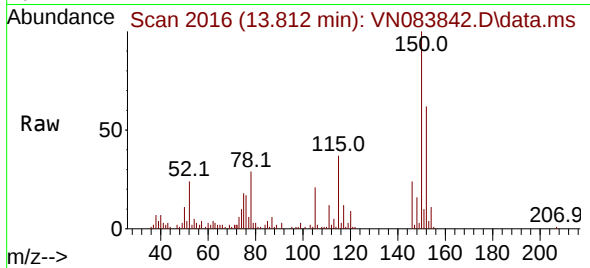
#88
1,4-Dichlorobenzene
Concen: 2.020 ug/l
RT: 13.812 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN083842.D
Acq: 12 Sep 2024 19:30

Instrument :
MSVOA_N
ClientSampleId :
VOA-240911078-02

Tgt Ion:146 Resp: 11104
Ion Ratio Lower Upper
146 100
111 72.0 21.3 64.0
148 71.3 32.0 96.2

Manual Integrations
APPROVED

Reviewed By :John Carlone 09/13/2024
Supervised By :Mahesh Dadoda 09/13/2024



#95
Naphthalene
Concen: 18.411 ug/l
RT: 15.641 min Scan# 2327
Delta R.T. 0.006 min
Lab File: VN083842.D
Acq: 12 Sep 2024 19:30

Tgt Ion:128 Resp: 157466
Ion Ratio Lower Upper
128 100
127 12.9 10.2 15.2
129 11.2 8.7 13.1

