

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN012224\
 Data File : VN080739.D
 Acq On : 22 Jan 2024 15:59
 Operator : JC\MD
 Sample : P1179-09
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 S-2

Manual Integrations
 APPROVED

Reviewed By : John Carlone 01/23/2024
 Supervised By : Mahesh Dadoda 01/23/2024

Quant Time: Jan 23 03:55:32 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011024W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 11 06:34:36 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	137379	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	325024	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	347767	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	149113	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	108671	45.045	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	90.080%		
35) Dibromofluoromethane	8.165	113	84057	45.517	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	91.040%		
50) Toluene-d8	10.565	98	365364	51.886	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	103.780%		
62) 4-Bromofluorobenzene	12.847	95	158593	58.732	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	117.460%		
Target Compounds					Qvalue	
11) Tert butyl alcohol	5.518	59	10121m	24.806	ug/l	
16) Acetone	4.424	43	85890	108.441	ug/l	94
18) Methyl Acetate	5.024	43	10267	4.353	ug/l	# 53
20) Methylene Chloride	5.271	84	5904	2.553	ug/l	# 69
25) 2-Butanone	7.483	43	38310	26.759	ug/l	# 74
31) Cyclohexane	8.253	56	33277	8.928	ug/l	86
39) Methylcyclohexane	9.600	83	16516	4.562	ug/l	# 79
40) Benzene	8.606	78	15988860	1503.510	ug/l	99
43) Isopropyl Acetate	8.688	43	132918	19.713	ug/l	# 80
51) 4-Methyl-2-Pentanone	10.447	43	51894	14.266	ug/l	# 82
52) Toluene	10.630	92	6345808	1041.504	ug/l	99
67) Ethyl Benzene	11.965	91	761274	52.471	ug/l	96
68) m/p-Xylenes	12.065	106	1337581	262.234	ug/l	85
69) o-Xylene	12.400	106	910232	182.511	ug/l	84
73) Isopropylbenzene	12.694	105	28991	2.045	ug/l	97
78) n-propylbenzene	13.035	91	62671	3.603	ug/l	91
80) 1,3,5-Trimethylbenzene	13.176	105	234510	19.845	ug/l	96
84) 1,2,4-Trimethylbenzene	13.482	105	745704	64.175	ug/l	88
86) p-Isopropyltoluene	13.729	119	11673	1.101	ug/l	87
95) Naphthalene	15.641	128	5309076	510.994	ug/l	99

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

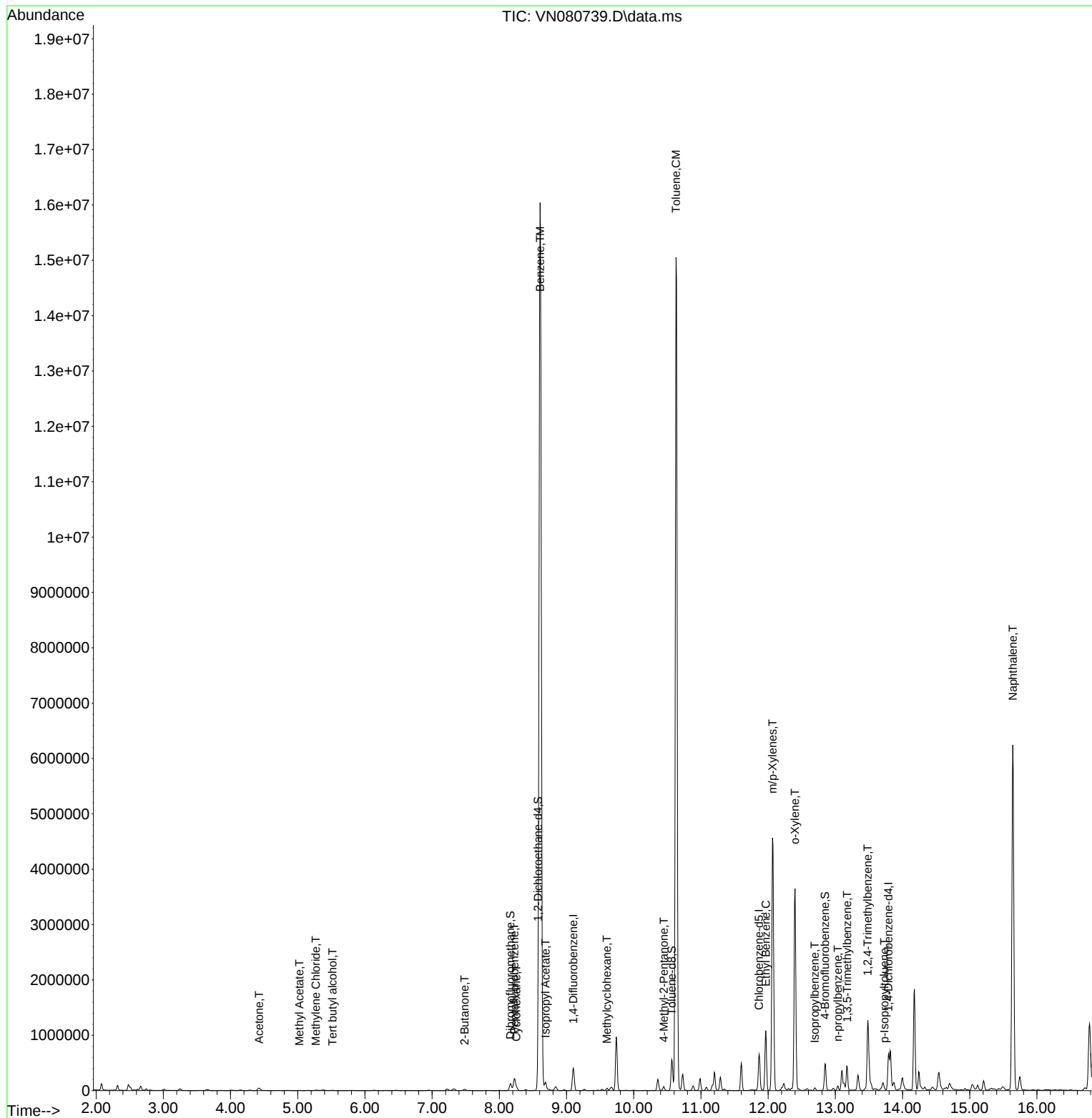
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN012224\
Data File : VN080739.D
Acq On : 22 Jan 2024 15:59
Operator : JC\MD
Sample : P1179-09
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

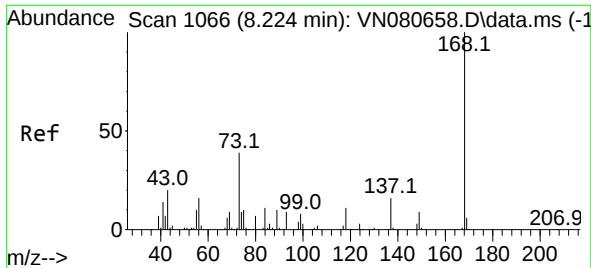
Instrument :
MSVOA_N
ClientSampleId :
S-2

Quant Time: Jan 23 03:55:32 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011024W.M
Quant Title : SW846 8260
QLast Update : Thu Jan 11 06:34:36 2024
Response via : Initial Calibration

Manual Integrations
APPROVED

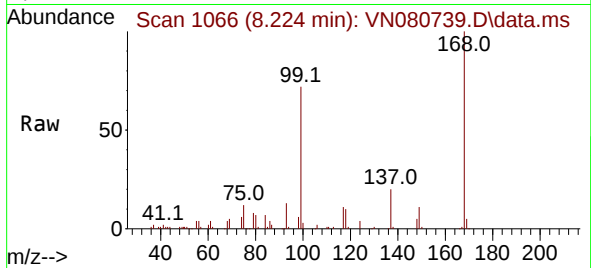
Reviewed By :John Carlone 01/23/2024
Supervised By :Mahesh Dadoda 01/23/2024





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN080739.D
Acq: 22 Jan 2024 15:59

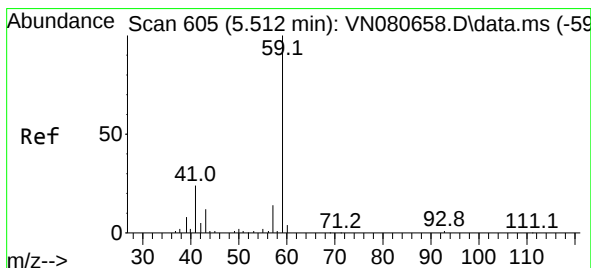
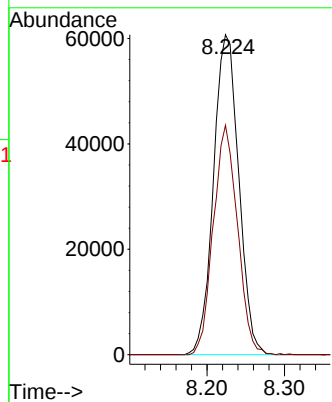
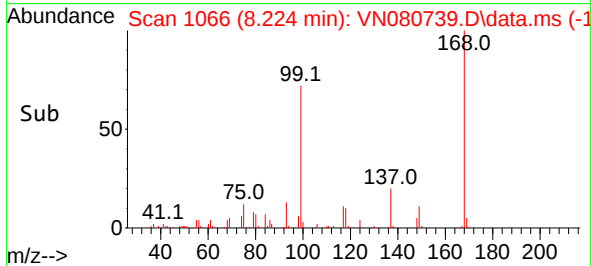
Instrument :
MSVOA_N
ClientSampleId :
S-2



Tgt Ion:168 Resp: 137379
Ion Ratio Lower Upper
168 100
99 71.7 53.0 79.6

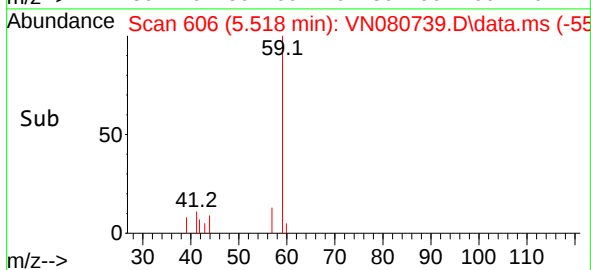
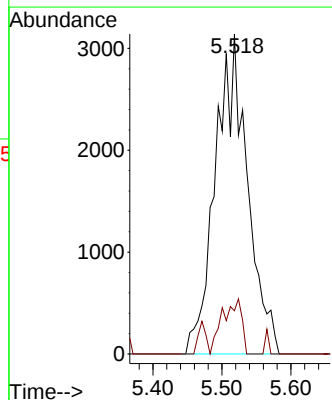
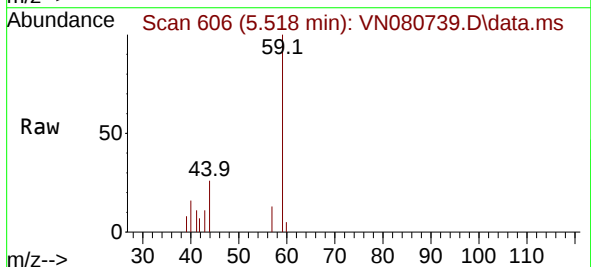
Manual Integrations
APPROVED

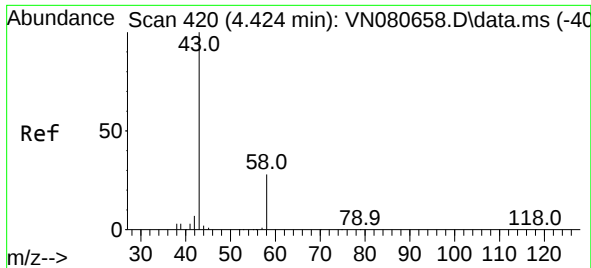
Reviewed By :John Carlone 01/23/2024
Supervised By :Mahesh Dadoda 01/23/2024



#11
Tert butyl alcohol
Concen: 24.806 ug/l m
RT: 5.518 min Scan# 606
Delta R.T. 0.006 min
Lab File: VN080739.D
Acq: 22 Jan 2024 15:59

Tgt Ion: 59 Resp: 10121
Ion Ratio Lower Upper
59 100
57 10.3 8.2 12.4





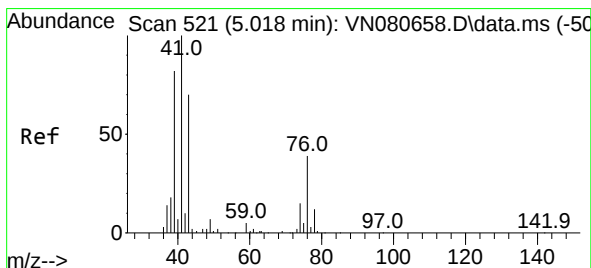
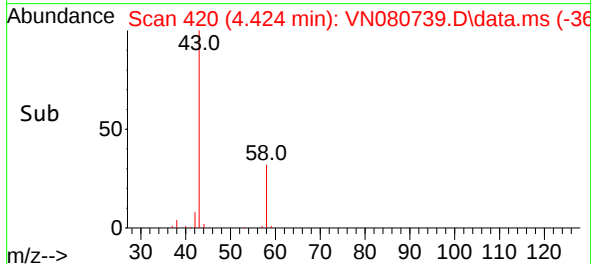
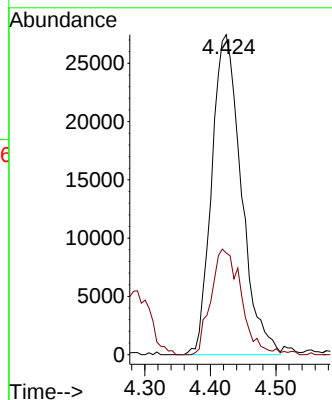
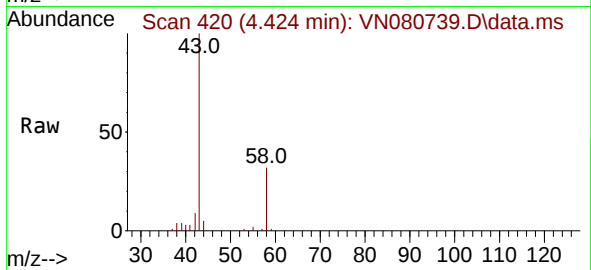
#16
Acetone
Concen: 108.441 ug/l
RT: 4.424 min Scan# 41
Delta R.T. 0.000 min
Lab File: VN080739.D
Acq: 22 Jan 2024 15:59

Instrument :
MSVOA_N
ClientSampleId :
S-2

Tgt Ion: 43 Resp: 85890
Ion Ratio Lower Upper
43 100
58 31.8 28.0 42.0

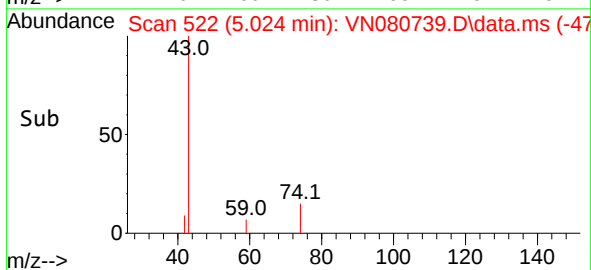
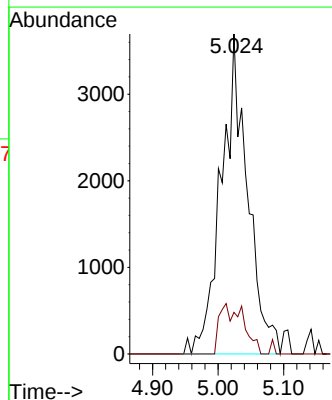
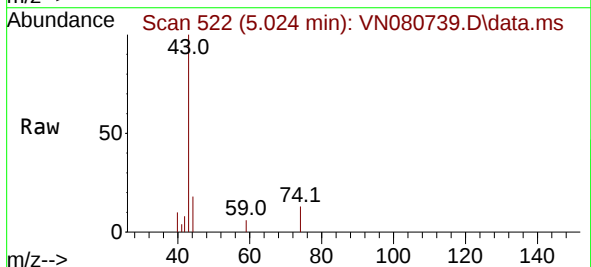
Manual Integrations
APPROVED

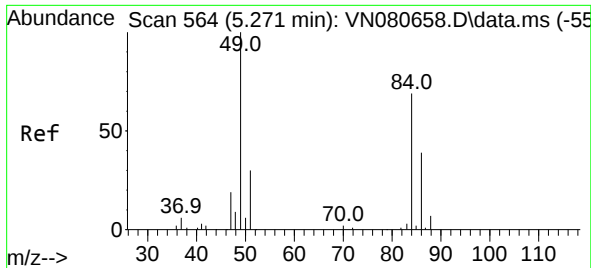
Reviewed By :John Carlone 01/23/2024
Supervised By :Mahesh Dadoda 01/23/2024



#18
Methyl Acetate
Concen: 4.353 ug/l
RT: 5.024 min Scan# 522
Delta R.T. 0.006 min
Lab File: VN080739.D
Acq: 22 Jan 2024 15:59

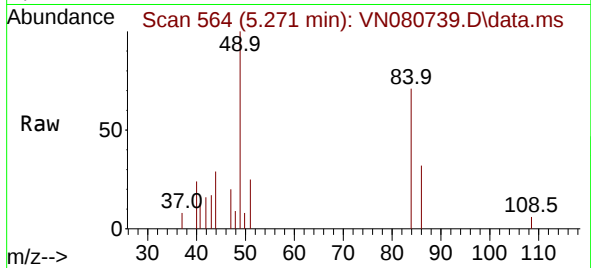
Tgt Ion: 43 Resp: 10267
Ion Ratio Lower Upper
43 100
74 6.5 26.2 39.4#





#20
Methylene Chloride
Concen: 2.553 ug/l
RT: 5.271 min Scan# 50
Delta R.T. 0.000 min
Lab File: VN080739.D
Acq: 22 Jan 2024 15:59

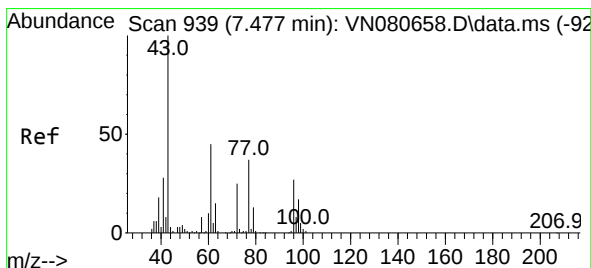
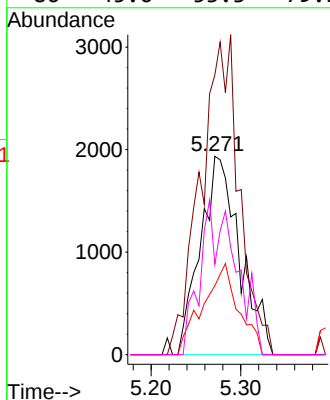
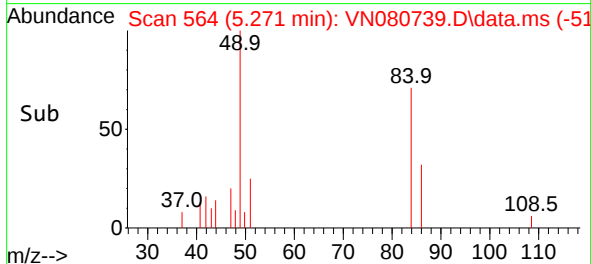
Instrument :
MSVOA_N
ClientSampleId :
S-2



Tgt Ion: 84 Resp: 5904
Ion Ratio Lower Upper
84 100
49 141.0 79.7 119.5
51 34.8 25.2 37.8
86 45.6 53.3 79.9#

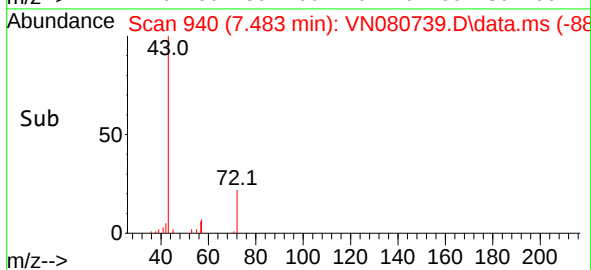
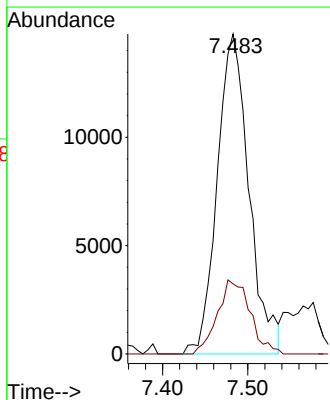
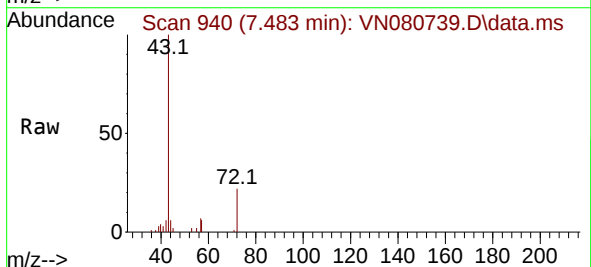
Manual Integrations
APPROVED

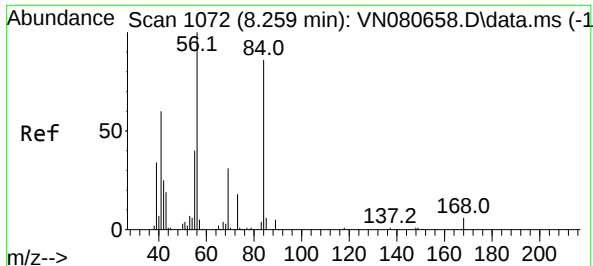
Reviewed By :John Carlone 01/23/2024
Supervised By :Mahesh Dadoda 01/23/2024



#25
2-Butanone
Concen: 26.759 ug/l
RT: 7.483 min Scan# 940
Delta R.T. 0.006 min
Lab File: VN080739.D
Acq: 22 Jan 2024 15:59

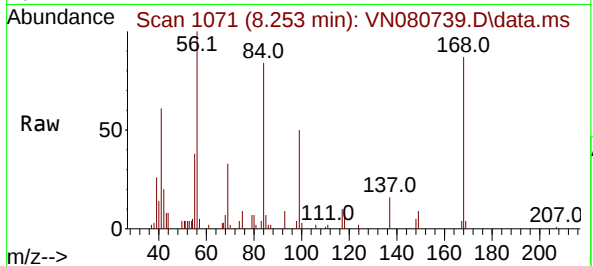
Tgt Ion: 43 Resp: 38310
Ion Ratio Lower Upper
43 100
72 21.9 30.2 45.2#





#31
Cyclohexane
Concen: 8.928 ug/l
RT: 8.253 min Scan# 1071
Delta R.T. -0.006 min
Lab File: VN080739.D
Acq: 22 Jan 2024 15:59

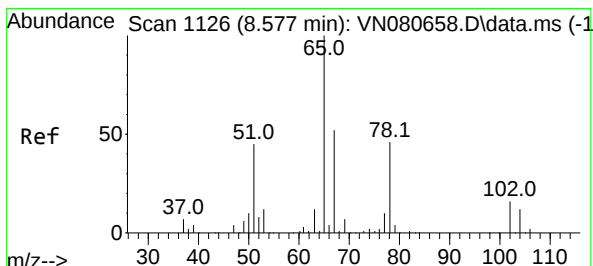
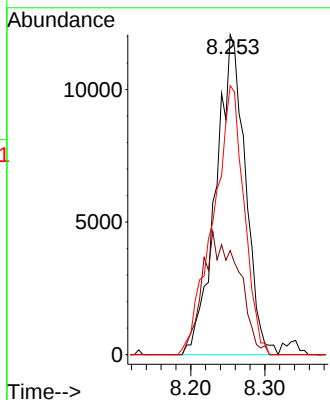
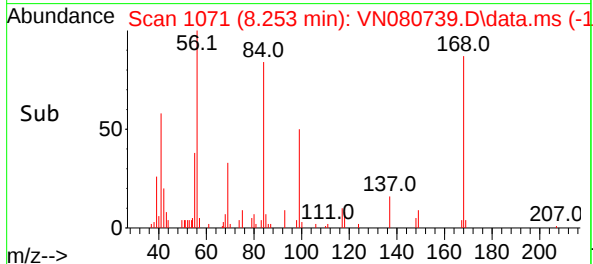
Instrument :
MSVOA_N
ClientSampleId :
S-2



Tgt Ion: 56 Resp: 3327
Ion Ratio Lower Upper
56 100
69 32.5 26.8 40.2
84 84.0 81.8 122.6

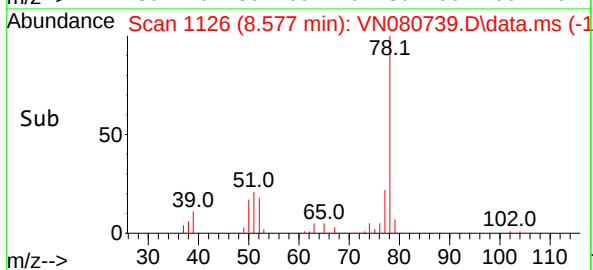
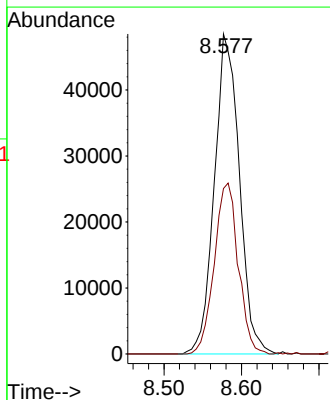
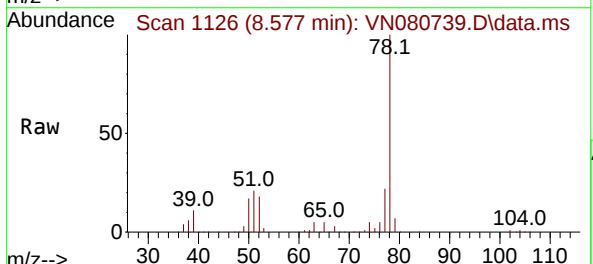
Manual Integrations
APPROVED

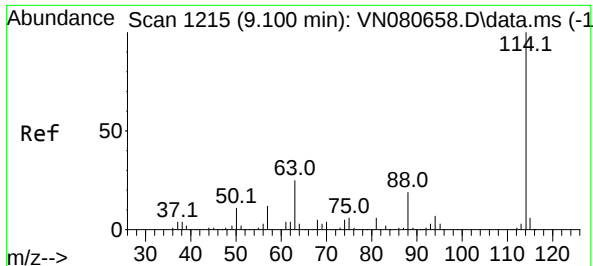
Reviewed By :John Carlone 01/23/2024
Supervised By :Mahesh Dadoda 01/23/2024



#33
1,2-Dichloroethane-d4
Concen: 45.045 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN080739.D
Acq: 22 Jan 2024 15:59

Tgt Ion: 65 Resp: 108671
Ion Ratio Lower Upper
65 100
67 51.3 0.0 106.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 114

Delta R.T. 0.000 min

Lab File: VN080739.D

Acq: 22 Jan 2024 15:59

Instrument :

MSVOA_N

ClientSampleId :

S-2

Tgt Ion:114 Resp: 325024

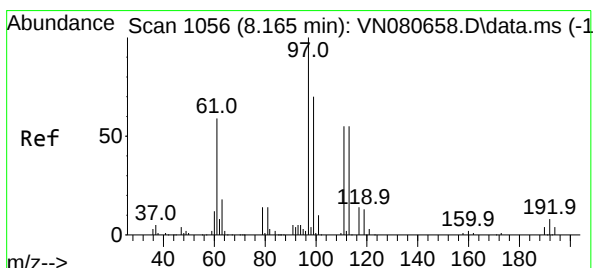
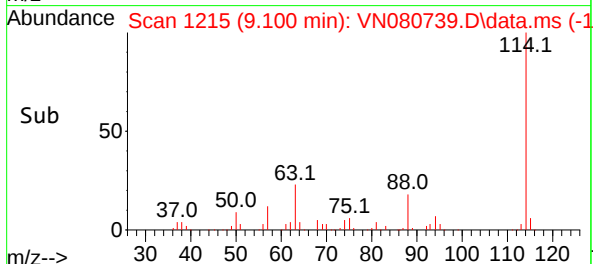
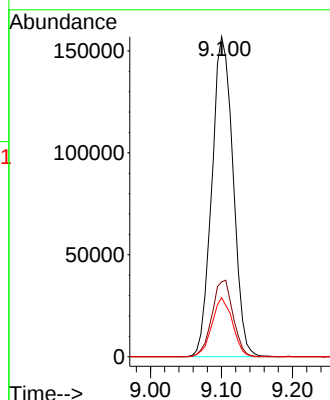
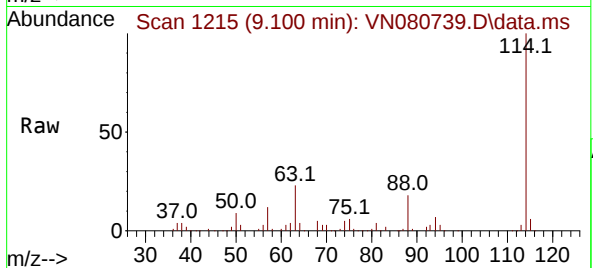
Ion	Ratio	Lower	Upper
114	100		
63	23.4	0.0	36.4
88	18.5	0.0	30.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/23/2024

Supervised By :Mahesh Dadoda 01/23/2024



#35

Dibromofluoromethane

Concen: 45.517 ug/l

RT: 8.165 min Scan# 1056

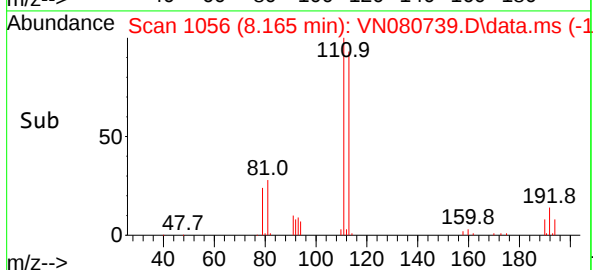
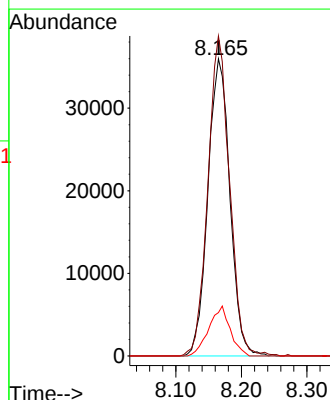
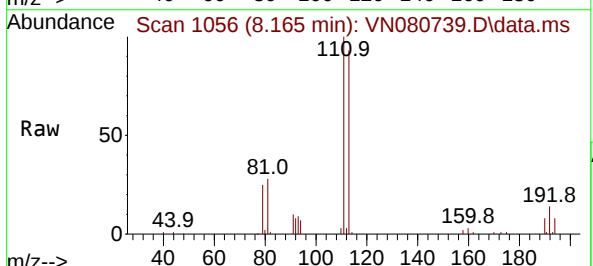
Delta R.T. 0.000 min

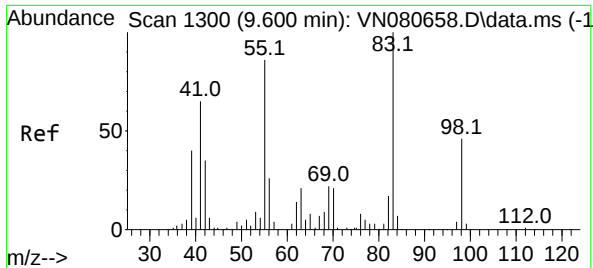
Lab File: VN080739.D

Acq: 22 Jan 2024 15:59

Tgt Ion:113 Resp: 84057

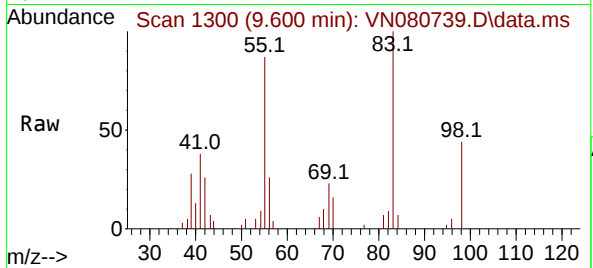
Ion	Ratio	Lower	Upper
113	100		
111	105.7	82.6	123.8
192	16.2	12.7	19.1





#39
Methylcyclohexane
Concen: 4.562 ug/l
RT: 9.600 min Scan# 11300
Delta R.T. 0.000 min
Lab File: VN080739.D
Acq: 22 Jan 2024 15:59

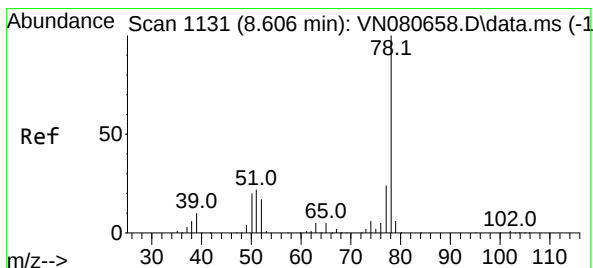
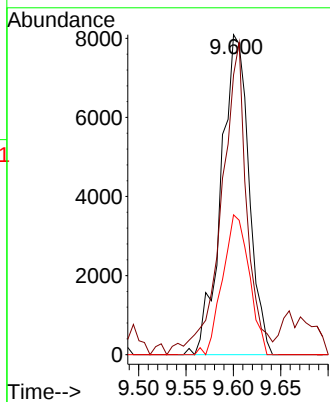
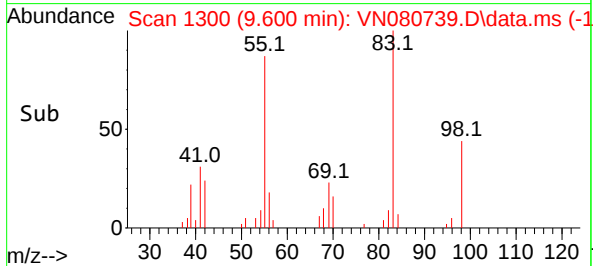
Instrument :
MSVOA_N
ClientSampleId :
S-2



Tgt Ion: 83 Resp: 16510
Ion Ratio Lower Upper
83 100
55 83.9 49.1 73.7
98 43.7 40.6 61.0

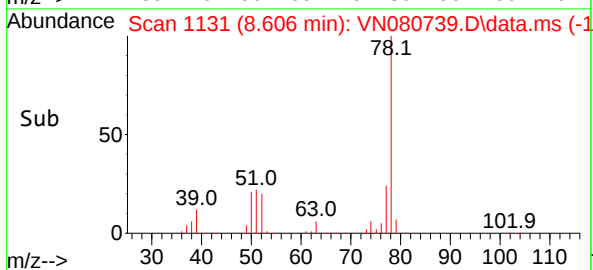
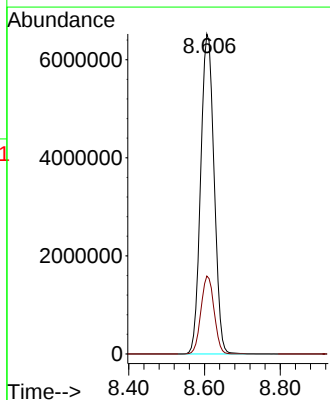
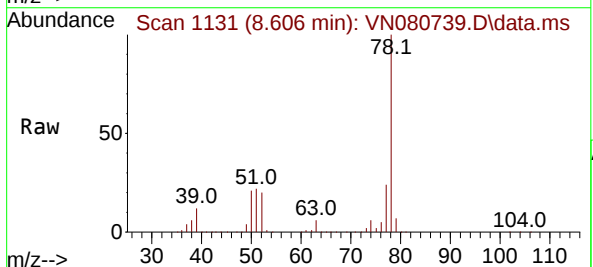
Manual Integrations
APPROVED

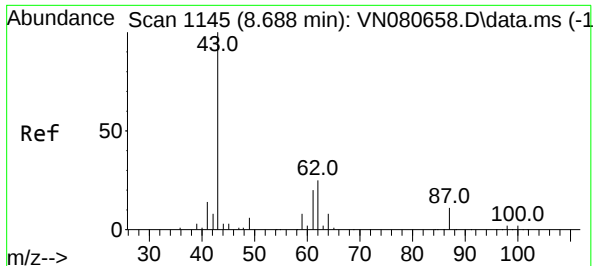
Reviewed By :John Carlone 01/23/2024
Supervised By :Mahesh Dadoda 01/23/2024



#40
Benzene
Concen: 1503.510 ug/l
RT: 8.606 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VN080739.D
Acq: 22 Jan 2024 15:59

Tgt Ion: 78 Resp:15988860
Ion Ratio Lower Upper
78 100
77 24.3 19.0 28.6





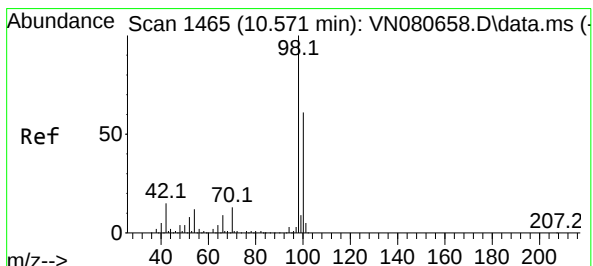
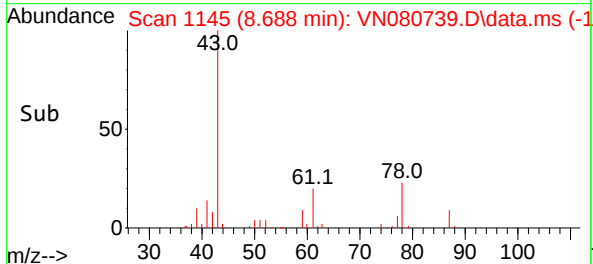
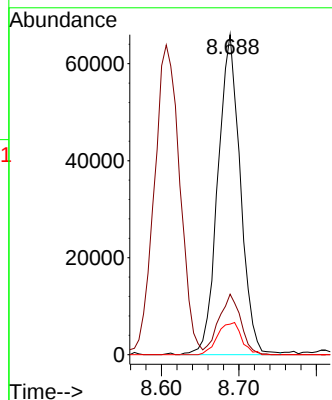
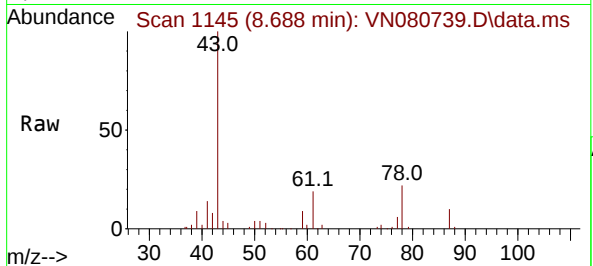
#43
Isopropyl Acetate
Concen: 19.713 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.000 min
Lab File: VN080739.D
Acq: 22 Jan 2024 15:59

Instrument :
MSVOA_N
ClientSampleId :
S-2

Tgt Ion: 43 Resp: 132918
Ion Ratio Lower Upper
43 100
61 18.6 24.7 37.1
87 10.8 14.6 21.8

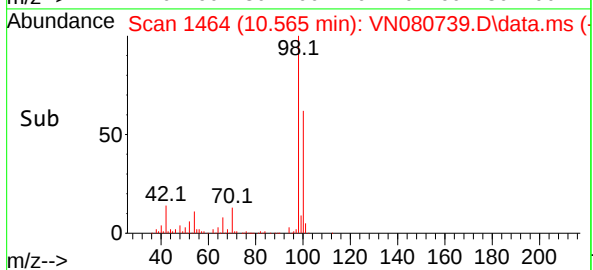
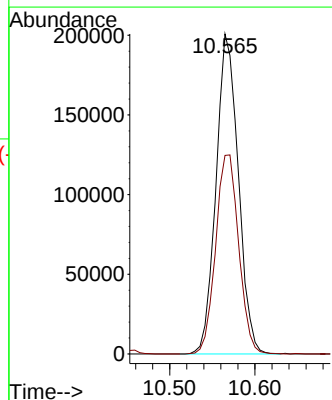
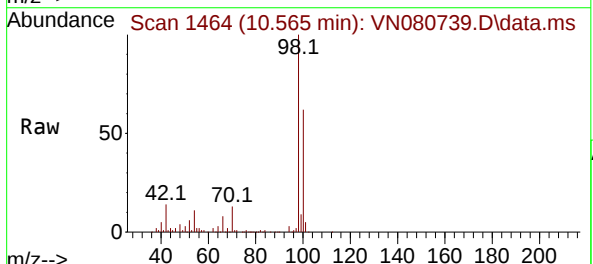
Manual Integrations
APPROVED

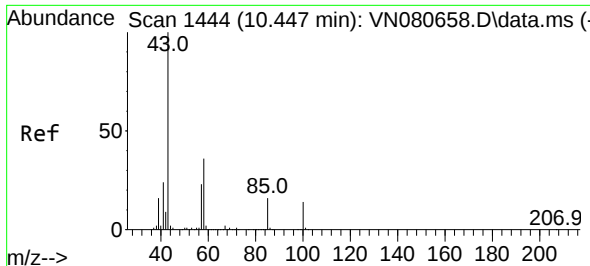
Reviewed By :John Carlone 01/23/2024
Supervised By :Mahesh Dadoda 01/23/2024



#50
Toluene-d8
Concen: 51.886 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.006 min
Lab File: VN080739.D
Acq: 22 Jan 2024 15:59

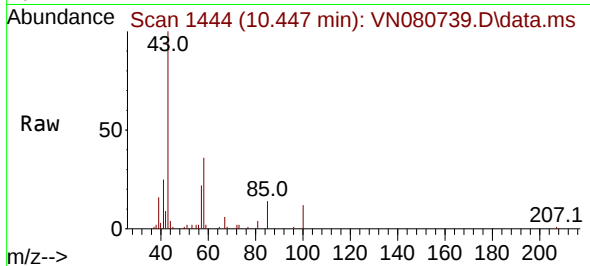
Tgt Ion: 98 Resp: 365364
Ion Ratio Lower Upper
98 100
100 64.4 52.0 78.0





#51
4-Methyl-2-Pentanone
Concen: 14.266 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN080739.D
Acq: 22 Jan 2024 15:59

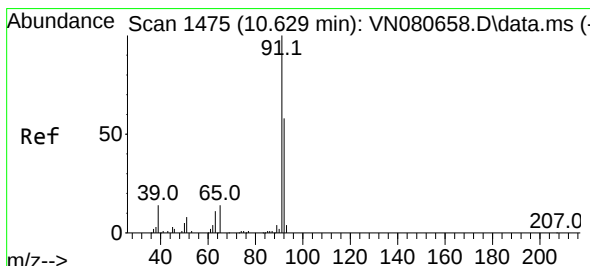
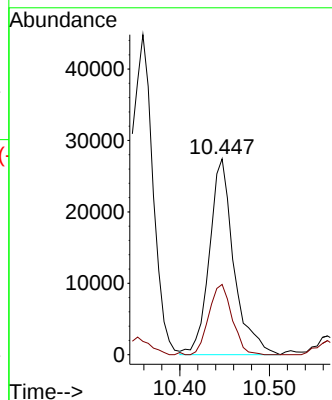
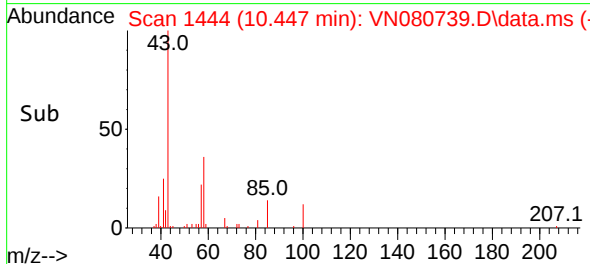
Instrument :
MSVOA_N
ClientSampleId :
S-2



Tgt Ion: 43 Resp: 51894
Ion Ratio Lower Upper
43 100
58 34.0 36.6 54.8

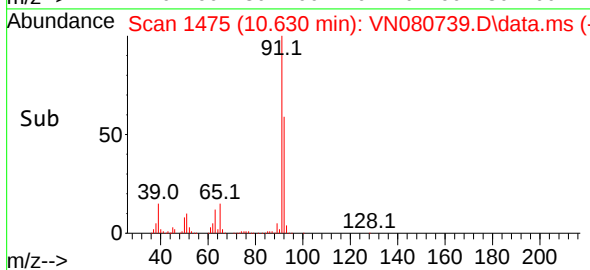
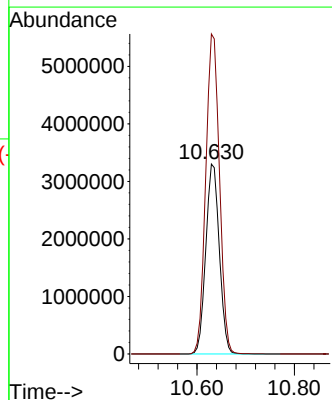
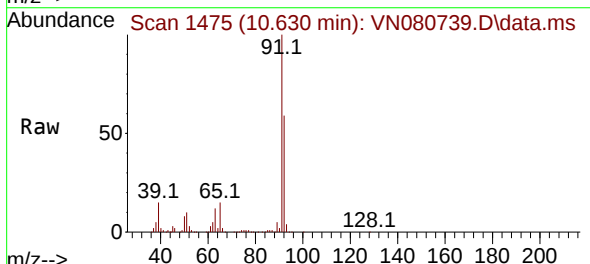
Manual Integrations
APPROVED

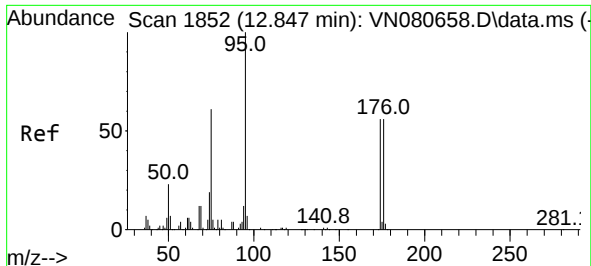
Reviewed By :John Carlone 01/23/2024
Supervised By :Mahesh Dadoda 01/23/2024



#52
Toluene
Concen: 1041.504 ug/l
RT: 10.630 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VN080739.D
Acq: 22 Jan 2024 15:59

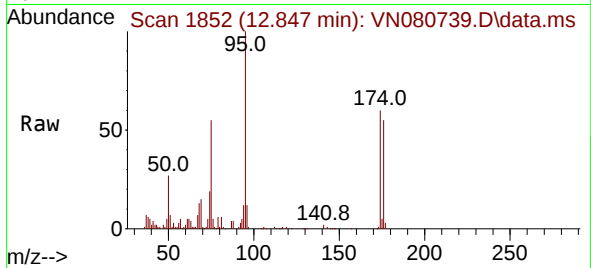
Tgt Ion: 92 Resp: 6345808
Ion Ratio Lower Upper
92 100
91 170.8 137.4 206.0





#62
4-Bromofluorobenzene
Concen: 58.732 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN080739.D
Acq: 22 Jan 2024 15:59

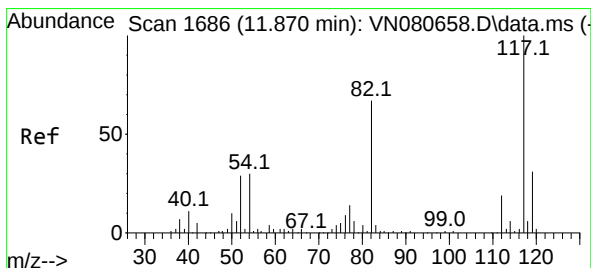
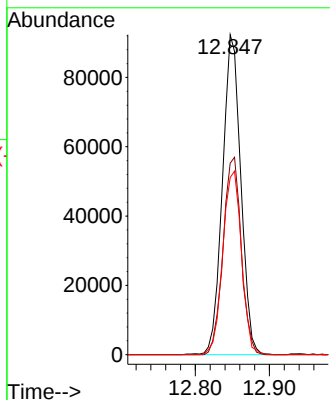
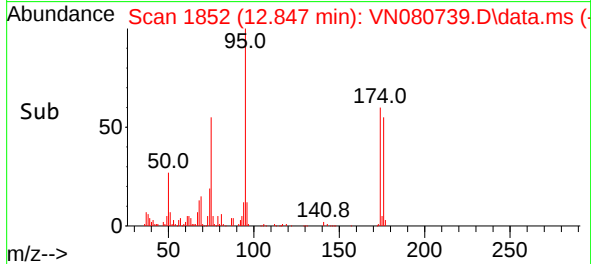
Instrument :
MSVOA_N
ClientSampleId :
S-2



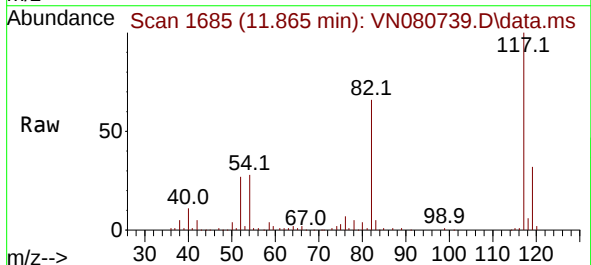
Tgt Ion: 95 Resp: 158593
Ion Ratio Lower Upper
95 100
174 61.1 0.0 143.8
176 58.6 0.0 135.8

Manual Integrations
APPROVED

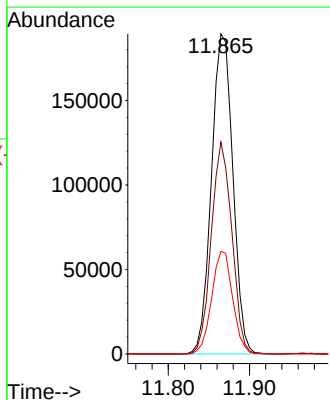
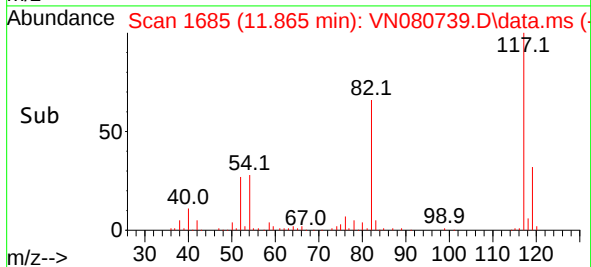
Reviewed By :John Carlone 01/23/2024
Supervised By :Mahesh Dadoda 01/23/2024

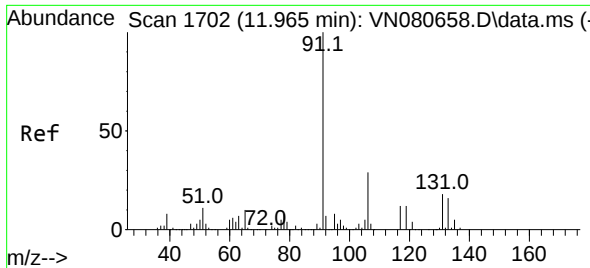


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.006 min
Lab File: VN080739.D
Acq: 22 Jan 2024 15:59



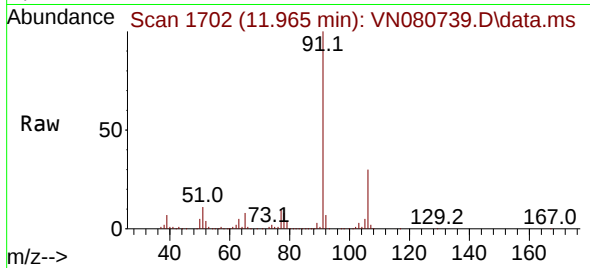
Tgt Ion:117 Resp: 347767
Ion Ratio Lower Upper
117 100
82 66.2 44.0 66.0#
119 32.1 25.6 38.4





#67
Ethyl Benzene
Concen: 52.471 ug/l
RT: 11.965 min Scan# 1702
Delta R.T. 0.000 min
Lab File: VN080739.D
Acq: 22 Jan 2024 15:59

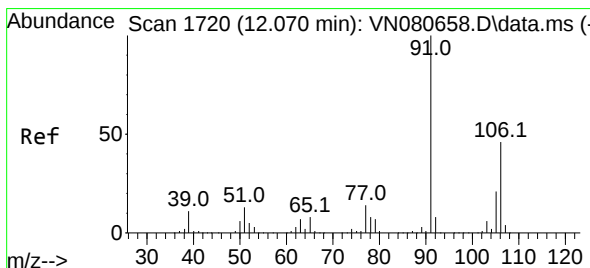
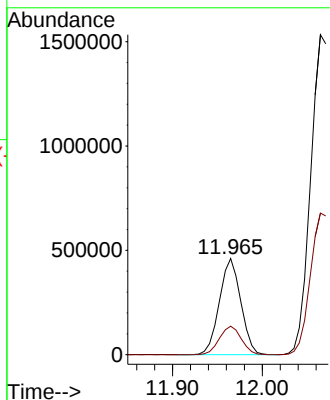
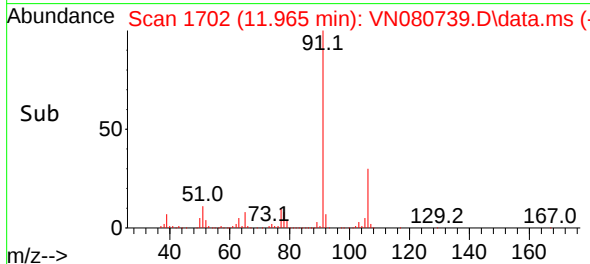
Instrument :
MSVOA_N
ClientSampleId :
S-2



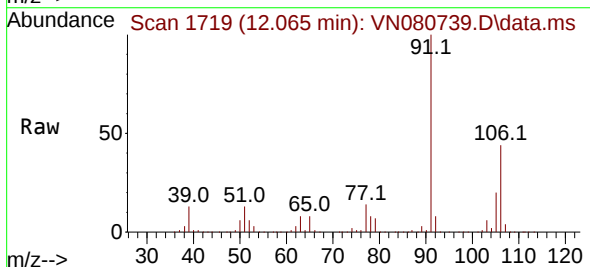
Tgt Ion: 91 Resp: 761274
Ion Ratio Lower Upper
91 100
106 29.6 25.6 38.4

Manual Integrations
APPROVED

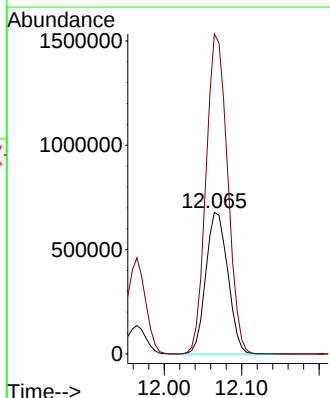
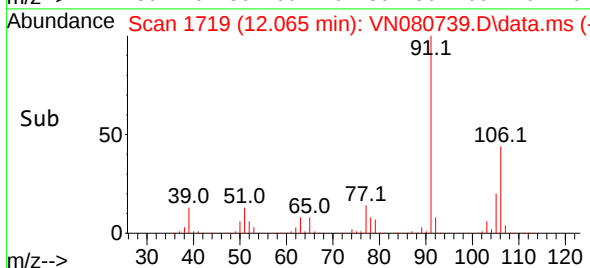
Reviewed By :John Carlone 01/23/2024
Supervised By :Mahesh Dadoda 01/23/2024

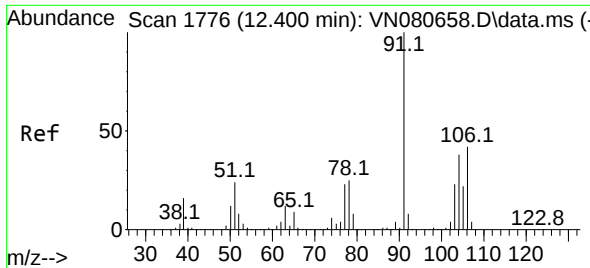


#68
m/p-Xylenes
Concen: 262.234 ug/l
RT: 12.065 min Scan# 1719
Delta R.T. -0.006 min
Lab File: VN080739.D
Acq: 22 Jan 2024 15:59



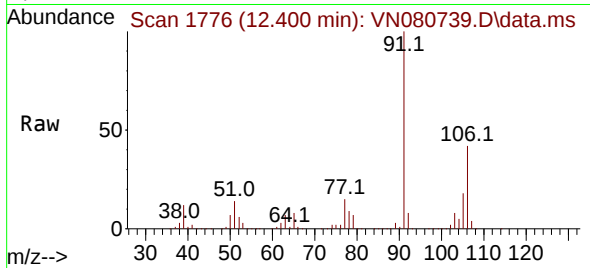
Tgt Ion:106 Resp: 1337581
Ion Ratio Lower Upper
106 100
91 221.6 159.6 239.4





#69
o-Xylene
Concen: 182.511 ug/l
RT: 12.400 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN080739.D
Acq: 22 Jan 2024 15:59

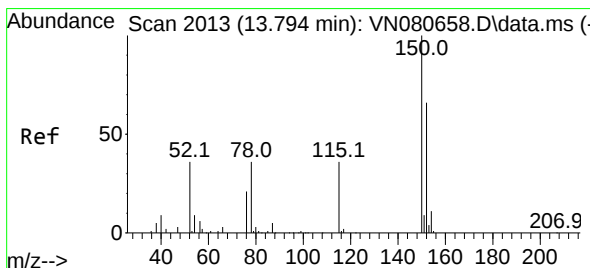
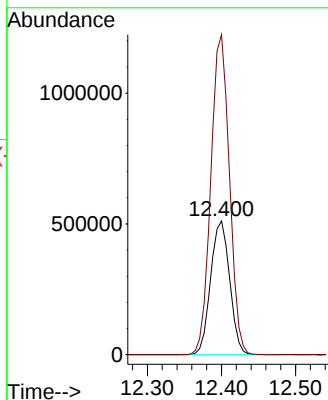
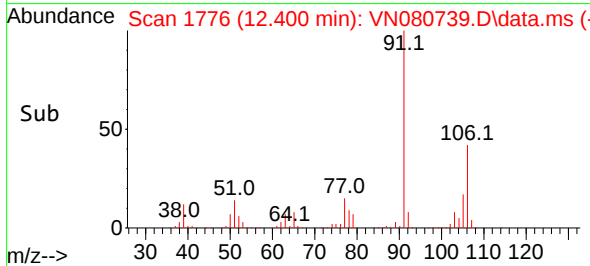
Instrument :
MSVOA_N
ClientSampleId :
S-2



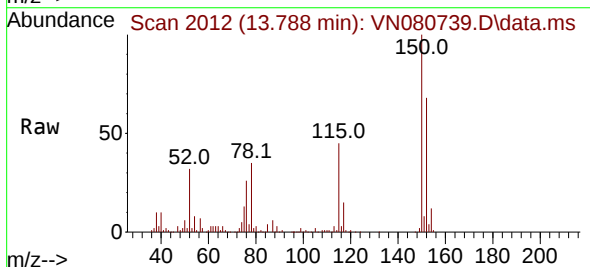
Tgt Ion:106 Resp: 91023
Ion Ratio Lower Upper
106 100
91 234.5 105.2 315.5

Manual Integrations
APPROVED

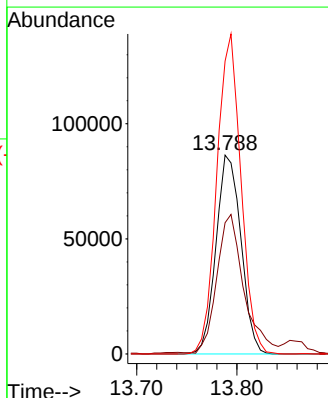
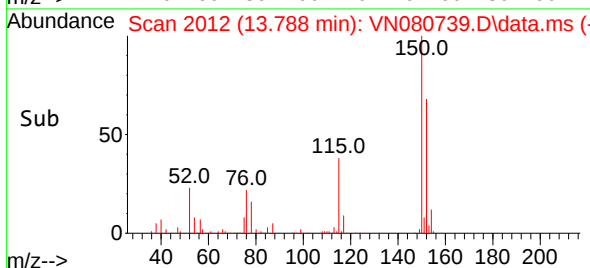
Reviewed By :John Carlone 01/23/2024
Supervised By :Mahesh Dadoda 01/23/2024

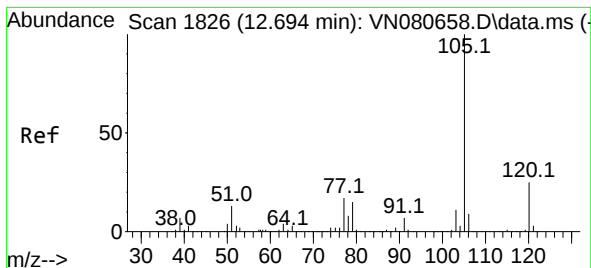


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.006 min
Lab File: VN080739.D
Acq: 22 Jan 2024 15:59



Tgt Ion:152 Resp: 149113
Ion Ratio Lower Upper
152 100
115 75.5 32.3 96.8
150 155.8 0.0 355.8





#73

Isopropylbenzene

Concen: 2.045 ug/l

RT: 12.694 min Scan# 1826

Delta R.T. 0.000 min

Lab File: VN080739.D

Acq: 22 Jan 2024 15:59

Instrument :

MSVOA_N

ClientSampleId :

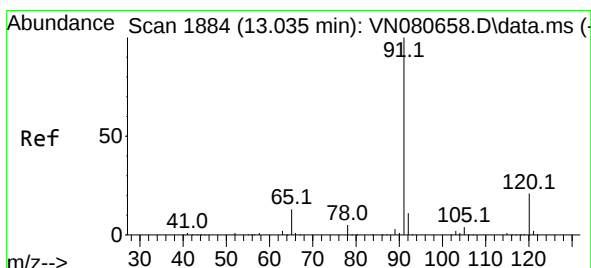
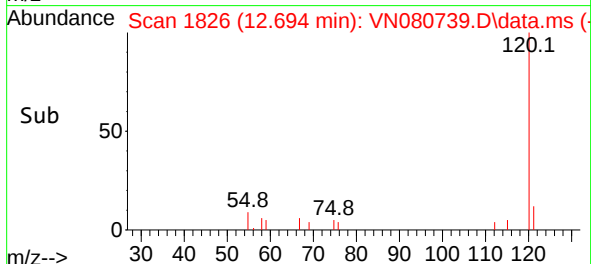
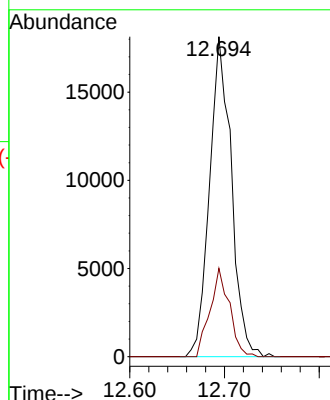
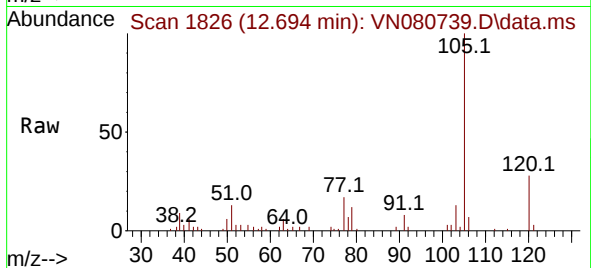
S-2

Tgt Ion:105 Resp: 2899
 Ion Ratio Lower Upper
 105 100
 120 24.7 13.1 39.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/23/2024
 Supervised By :Mahesh Dadoda 01/23/2024



#78

n-propylbenzene

Concen: 3.603 ug/l

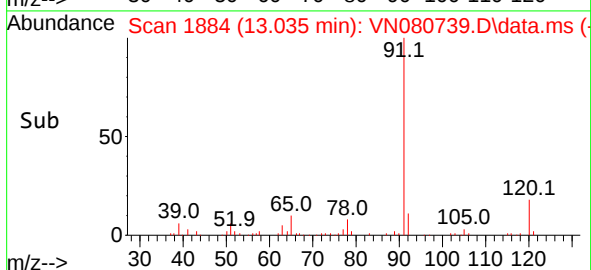
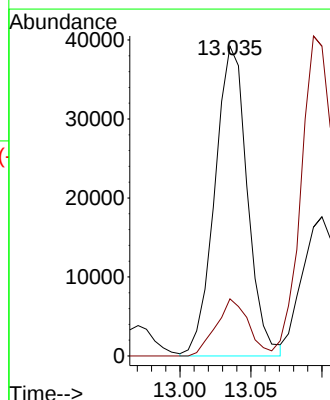
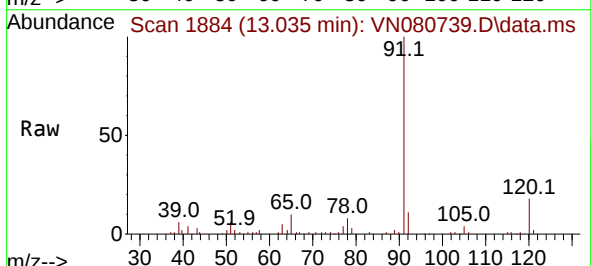
RT: 13.035 min Scan# 1884

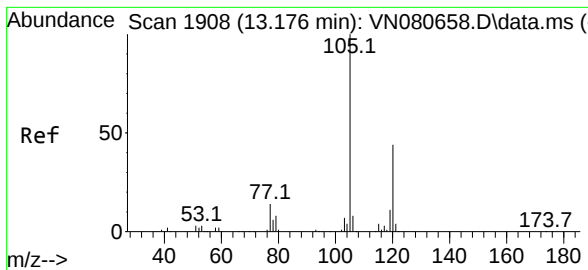
Delta R.T. 0.000 min

Lab File: VN080739.D

Acq: 22 Jan 2024 15:59

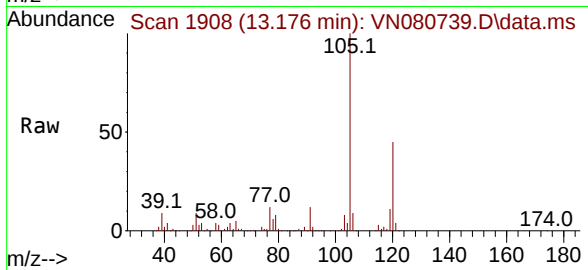
Tgt Ion: 91 Resp: 62671
 Ion Ratio Lower Upper
 91 100
 120 18.4 11.5 34.4





#80
 1,3,5-Trimethylbenzene
 Concen: 19.845 ug/l
 RT: 13.176 min Scan# 1908
 Delta R.T. 0.000 min
 Lab File: VN080739.D
 Acq: 22 Jan 2024 15:59

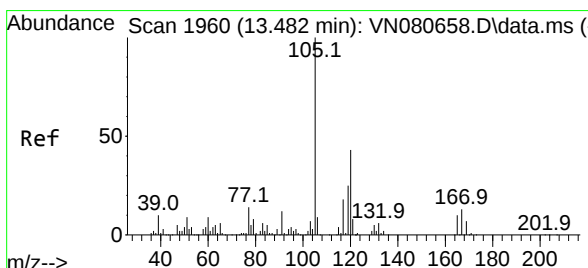
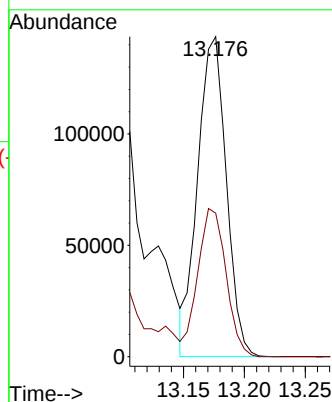
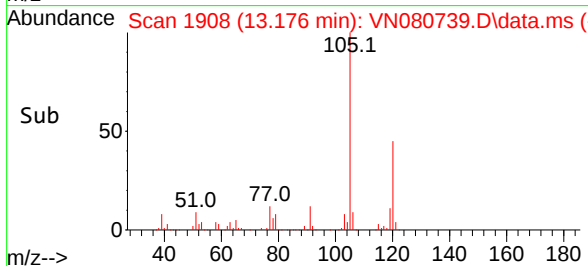
Instrument :
 MSVOA_N
 ClientSampleId :
 S-2



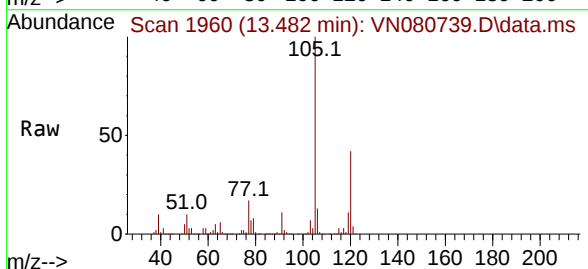
Tgt Ion:105 Resp: 234510
 Ion Ratio Lower Upper
 105 100
 120 45.8 24.1 72.3

Manual Integrations
 APPROVED

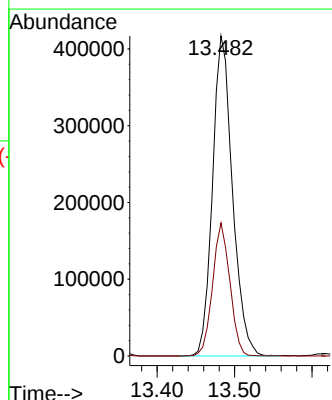
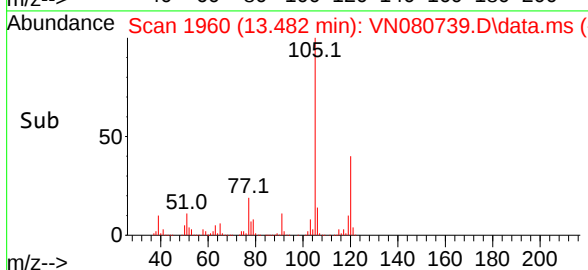
Reviewed By :John Carlone 01/23/2024
 Supervised By :Mahesh Dadoda 01/23/2024

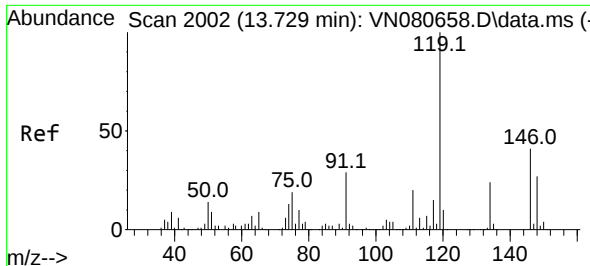


#84
 1,2,4-Trimethylbenzene
 Concen: 64.175 ug/l
 RT: 13.482 min Scan# 1960
 Delta R.T. 0.000 min
 Lab File: VN080739.D
 Acq: 22 Jan 2024 15:59



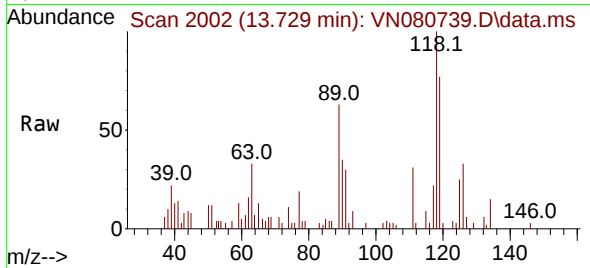
Tgt Ion:105 Resp: 745704
 Ion Ratio Lower Upper
 105 100
 120 36.0 22.0 66.0





#86
p-Isopropyltoluene
Concen: 1.101 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. 0.000 min
Lab File: VN080739.D
Acq: 22 Jan 2024 15:59

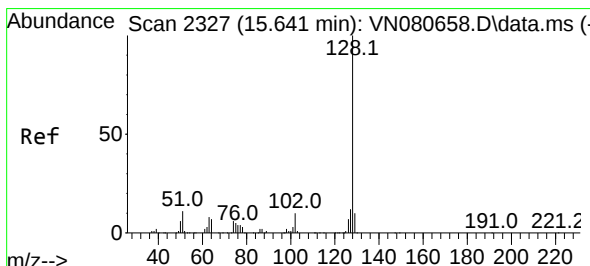
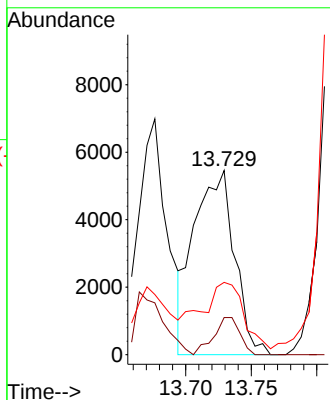
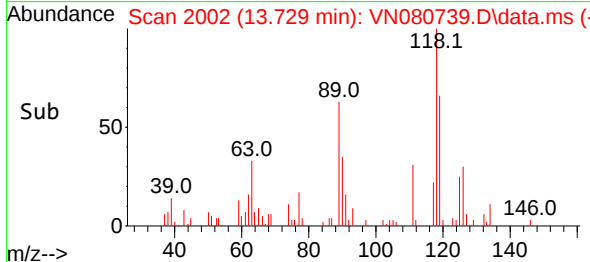
Instrument :
MSVOA_N
ClientSampleId :
S-2



Tgt Ion:119 Resp: 1167
Ion Ratio Lower Upper
119 100
134 13.1 12.6 37.8
91 25.5 12.4 37.2

Manual Integrations
APPROVED

Reviewed By :John Carlone 01/23/2024
Supervised By :Mahesh Dadoda 01/23/2024



#95
Naphthalene
Concen: 510.994 ug/l
RT: 15.641 min Scan# 2327
Delta R.T. 0.000 min
Lab File: VN080739.D
Acq: 22 Jan 2024 15:59

Tgt Ion:128 Resp: 5309076
Ion Ratio Lower Upper
128 100
127 13.0 10.0 15.0
129 10.9 8.7 13.1

