

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032024\
 Data File : VN081506.D
 Acq On : 20 Mar 2024 20:09
 Operator : JC\MD
 Sample : P1799-03
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 50297

Manual Integrations
 APPROVED

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

Quant Time: Mar 21 01:26:20 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031824W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 19 06:00:00 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	569043	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	9.100	114	958057	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	859619	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	384755	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	346768	47.785	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	95.580%		
35) Dibromofluoromethane	8.171	113	287898	47.615	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	95.240%		
50) Toluene-d8	10.571	98	1125733	51.505	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	103.020%		
62) 4-Bromofluorobenzene	12.853	95	385186	50.015	ug/l	0.00
Spiked Amount 50.000	Range 64 - 133		Recovery =	100.020%		
Target Compounds						Qvalue
11) Tert butyl alcohol	5.530	59	22630	17.895	ug/l	99
16) Acetone	4.424	43	560768	239.111	ug/l	97
18) Methyl Acetate	5.030	43	14899	2.061	ug/l #	87
19) Methyl tert-butyl Ether	5.794	73	1314799	62.558	ug/l	100
22) Diisopropyl ether	6.671	45	482186	24.661	ug/l #	92
25) 2-Butanone	7.483	43	311704	77.489	ug/l #	86
31) Cyclohexane	8.259	56	152797	12.939	ug/l #	75
37) Ethyl Acetate	7.559	43	4111709	471.902	ug/l #	94
39) Methylcyclohexane	9.600	83	36286	3.193	ug/l #	78
40) Benzene	8.594	78	24595406m	826.791	ug/l	
51) 4-Methyl-2-Pentanone	10.447	43	10648	1.208	ug/l	97
52) Toluene	10.624	92	20158022	1066.129	ug/l #	1
59) 2-Hexanone	11.194	43	16677	2.559	ug/l	96
67) Ethyl Benzene	11.965	91	4017359	113.807	ug/l	98
68) m/p-Xylenes	12.070	106	5290910	399.818	ug/l	96
69) o-Xylene	12.400	106	2427002	186.815	ug/l	97
73) Isopropylbenzene	12.694	105	261068	7.960	ug/l	99
78) n-propylbenzene	13.035	91	781892	20.188	ug/l	96
80) 1,3,5-Trimethylbenzene	13.176	105	1035779	38.237	ug/l	97
84) 1,2,4-Trimethylbenzene	13.482	105	4700625	172.652	ug/l	95
85) sec-Butylbenzene	13.612	105	84725m	2.537	ug/l	
86) p-Isopropyltoluene	13.729	119	56444m	2.068	ug/l	
89) n-Butylbenzene	14.059	91	95793	3.958	ug/l #	77
95) Naphthalene	15.641	128	934019	34.796	ug/l	99

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

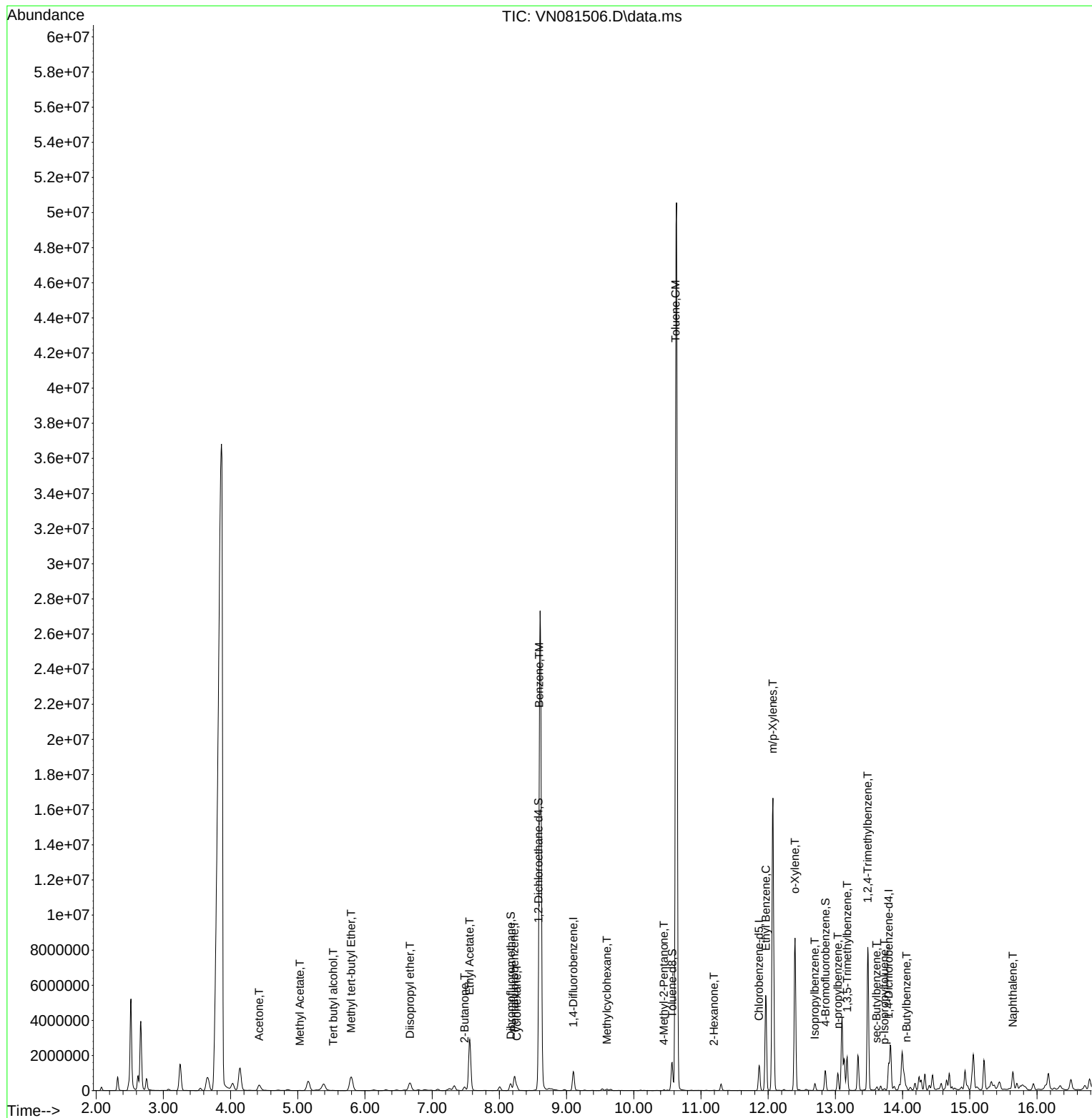
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032024\
Data File : VN081506.D
Acq On : 20 Mar 2024 20:09
Operator : JC\MD
Sample : P1799-03
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 22 Sample Multiplier: 1

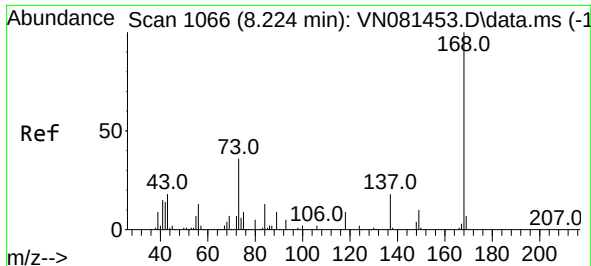
Instrument :
MSVOA_N
ClientSampleId :
50297

Quant Time: Mar 21 01:26:20 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031824W.M
Quant Title : SW846 8260
QLast Update : Tue Mar 19 06:00:00 2024
Response via : Initial Calibration

Manual Integrations
APPROVED

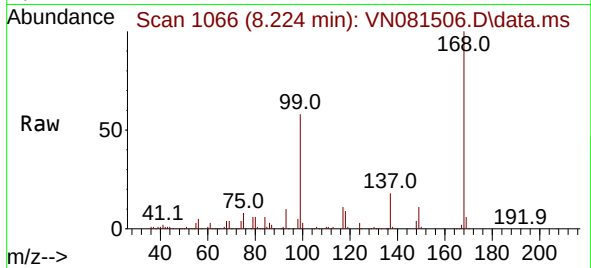
Reviewed By :John Carlone 03/21/2024
Supervised By :Mahesh Dadoda 03/21/2024





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN081506.D
Acq: 20 Mar 2024 20:09

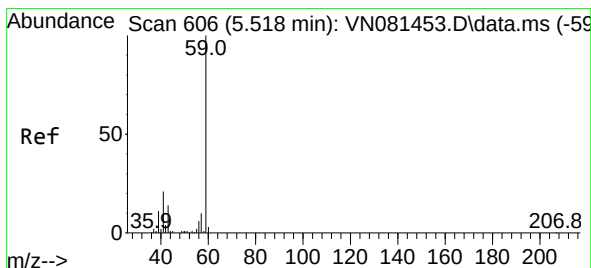
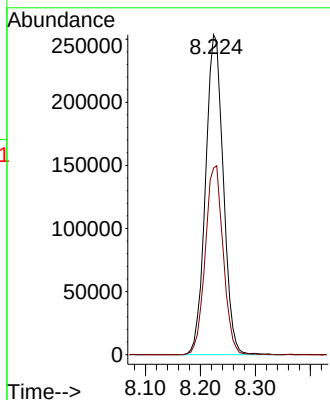
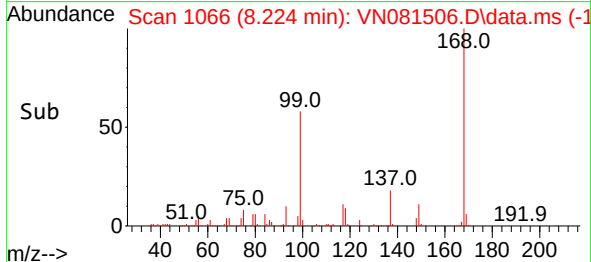
Instrument :
MSVOA_N
ClientSampleId :
50297



Tgt Ion:168 Resp: 56904
Ion Ratio Lower Upper
168 100
99 58.3 59.9 89.9

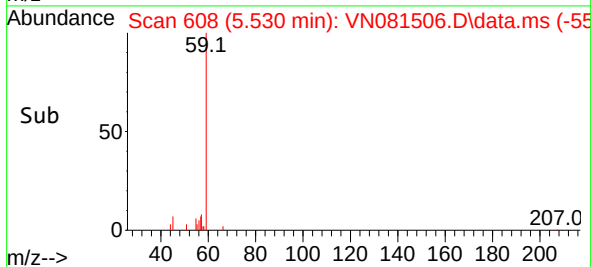
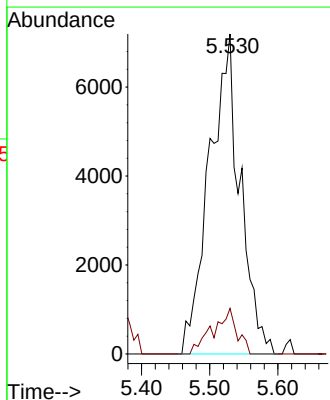
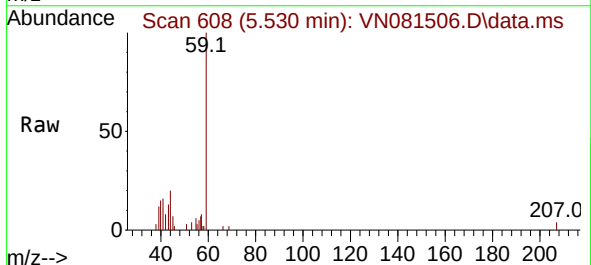
Manual Integrations
APPROVED

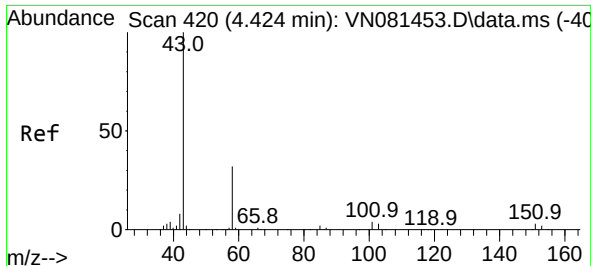
Reviewed By :John Carlone 03/21/2024
Supervised By :Mahesh Dadoda 03/21/2024



#11
Tert butyl alcohol
Concen: 17.895 ug/l
RT: 5.530 min Scan# 608
Delta R.T. 0.012 min
Lab File: VN081506.D
Acq: 20 Mar 2024 20:09

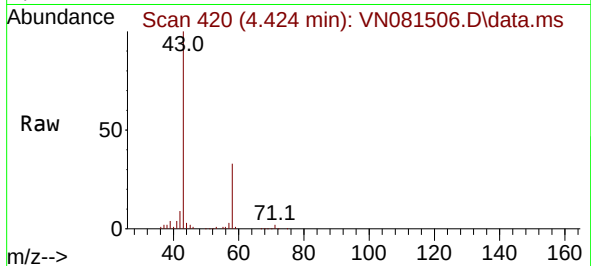
Tgt Ion: 59 Resp: 22630
Ion Ratio Lower Upper
59 100
57 11.1 8.6 12.8





#16
Acetone
Concen: 239.111 ug/l
RT: 4.424 min Scan# 41
Delta R.T. 0.000 min
Lab File: VN081506.D
Acq: 20 Mar 2024 20:09

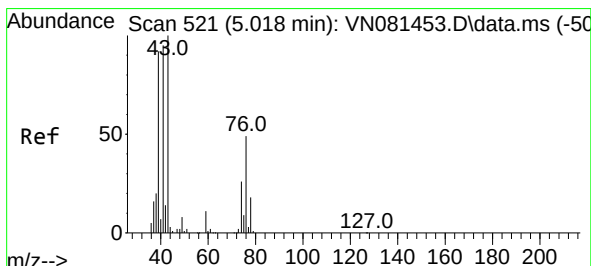
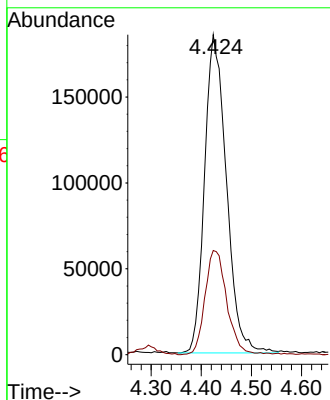
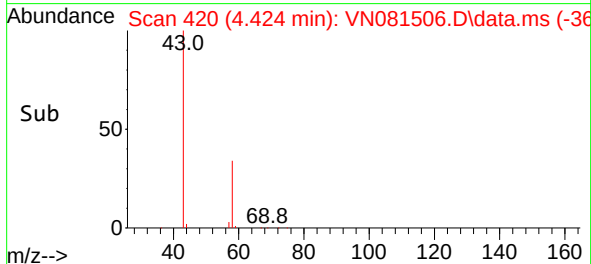
Instrument :
MSVOA_N
ClientSampleId :
50297



Tgt Ion: 43 Resp: 560768
Ion Ratio Lower Upper
43 100
58 32.7 24.8 37.2

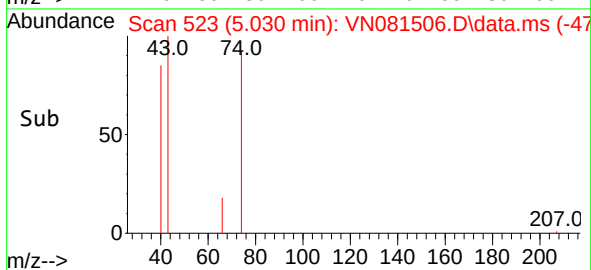
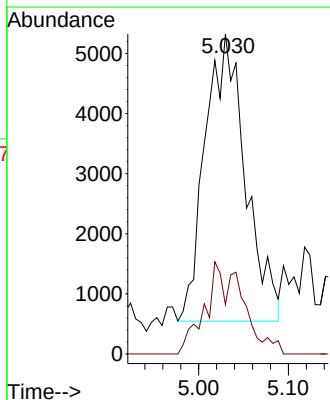
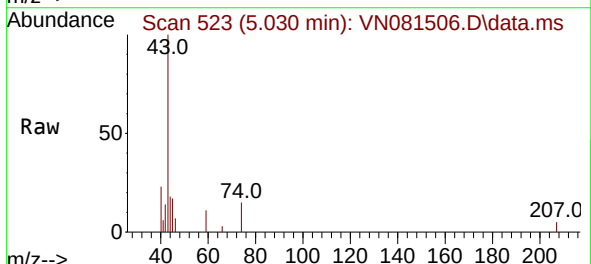
Manual Integrations
APPROVED

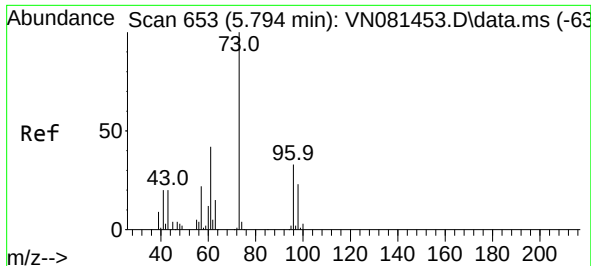
Reviewed By :John Carlone 03/21/2024
Supervised By :Mahesh Dadoda 03/21/2024



#18
Methyl Acetate
Concen: 2.061 ug/l
RT: 5.030 min Scan# 523
Delta R.T. 0.012 min
Lab File: VN081506.D
Acq: 20 Mar 2024 20:09

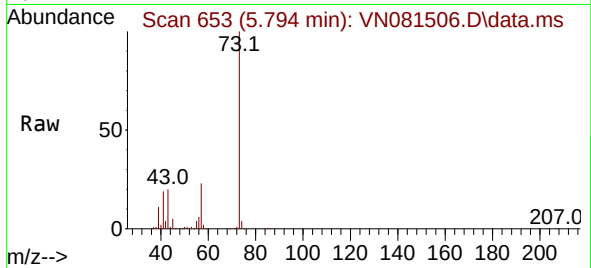
Tgt Ion: 43 Resp: 14899
Ion Ratio Lower Upper
43 100
74 15.7 17.3 25.9#





#19
Methyl tert-butyl Ether
Concen: 62.558 ug/l
RT: 5.794 min Scan# 653
Delta R.T. 0.000 min
Lab File: VN081506.D
Acq: 20 Mar 2024 20:09

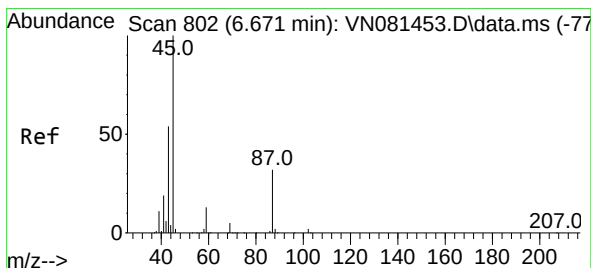
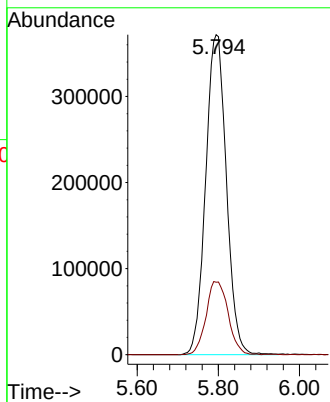
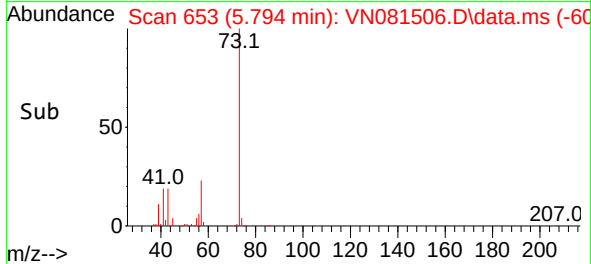
Instrument :
MSVOA_N
ClientSampleId :
50297



Tgt Ion: 73 Resp: 131479
Ion Ratio Lower Upper
73 100
57 22.6 18.2 27.4

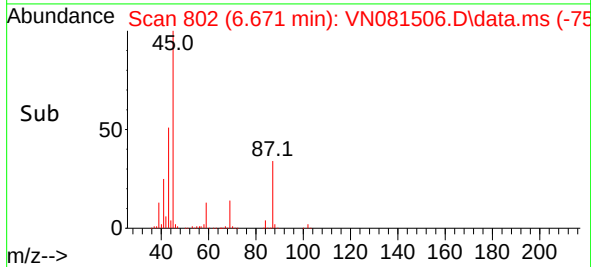
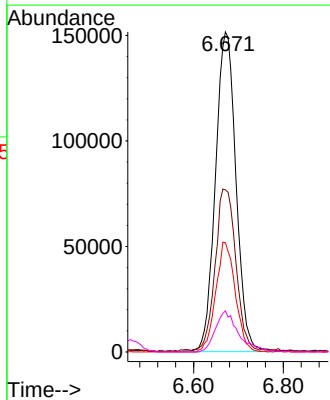
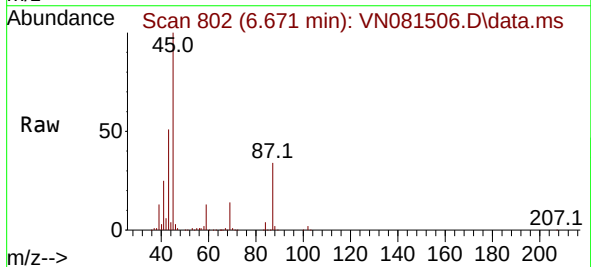
Manual Integrations
APPROVED

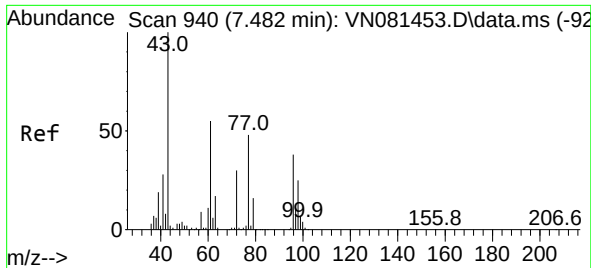
Reviewed By :John Carlone 03/21/2024
Supervised By :Mahesh Dadoda 03/21/2024



#22
Diisopropyl ether
Concen: 24.661 ug/l
RT: 6.671 min Scan# 802
Delta R.T. 0.000 min
Lab File: VN081506.D
Acq: 20 Mar 2024 20:09

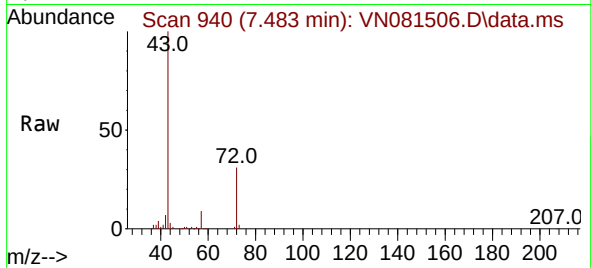
Tgt Ion: 45 Resp: 482186
Ion Ratio Lower Upper
45 100
43 50.4 41.8 62.8
87 34.2 18.1 27.1#
59 12.8 9.0 13.6





#25
2-Butanone
Concen: 77.489 ug/l
RT: 7.483 min Scan# 940
Delta R.T. 0.000 min
Lab File: VN081506.D
Acq: 20 Mar 2024 20:09

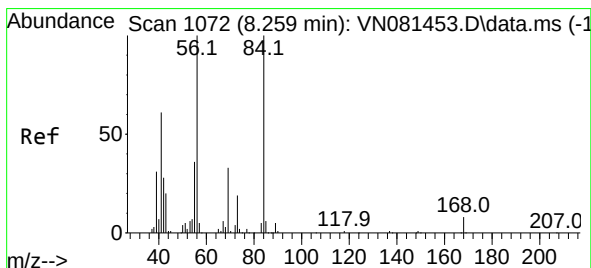
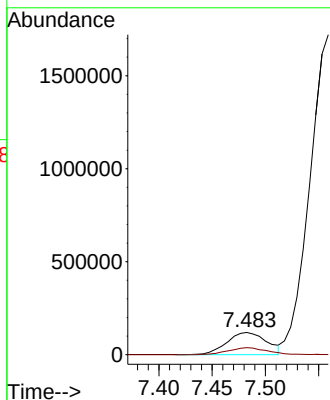
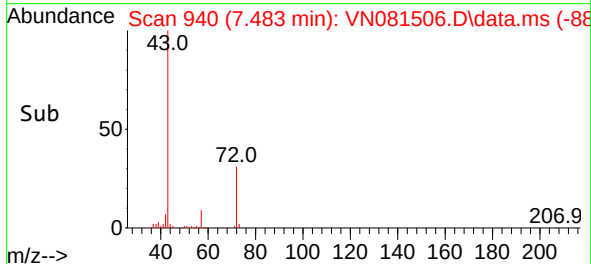
Instrument :
MSVOA_N
ClientSampleId :
50297



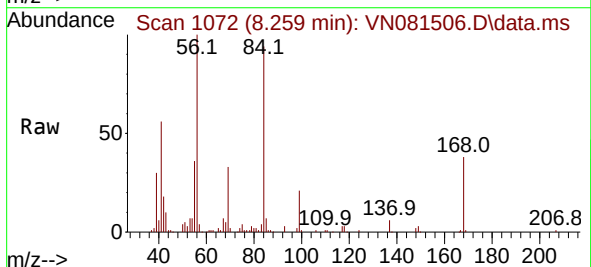
Tgt Ion: 43 Resp: 311704
Ion Ratio Lower Upper
43 100
72 31.5 19.5 29.3

Manual Integrations
APPROVED

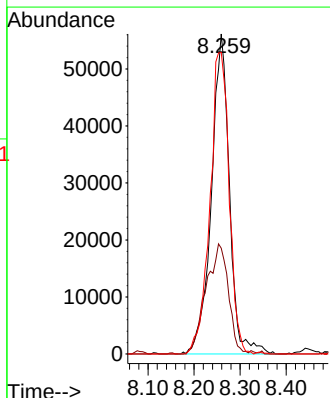
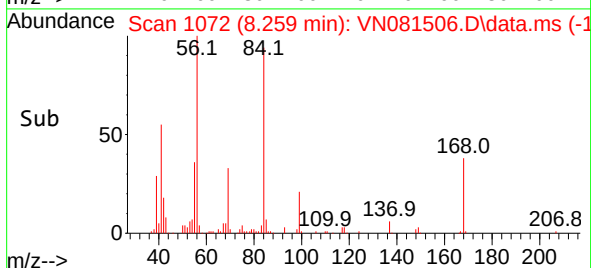
Reviewed By :John Carlone 03/21/2024
Supervised By :Mahesh Dadoda 03/21/2024

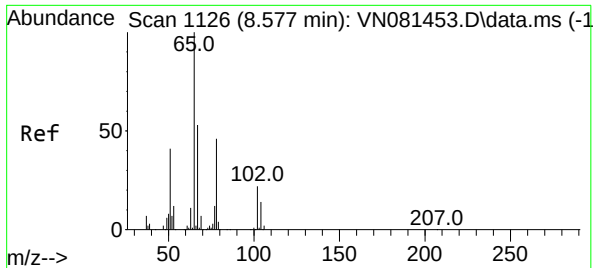


#31
Cyclohexane
Concen: 12.939 ug/l
RT: 8.259 min Scan# 1072
Delta R.T. 0.000 min
Lab File: VN081506.D
Acq: 20 Mar 2024 20:09



Tgt Ion: 56 Resp: 152797
Ion Ratio Lower Upper
56 100
69 33.1 20.1 30.1#
84 94.2 56.9 85.3#





#33

1,2-Dichloroethane-d4

Concen: 47.785 ug/l

RT: 8.582 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VN081506.D

Acq: 20 Mar 2024 20:09

Instrument :

MSVOA_N

ClientSampleId :

50297

Tgt Ion: 65 Resp: 346768

Ion Ratio Lower Upper

65 100

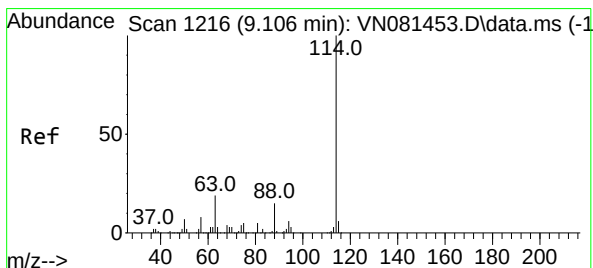
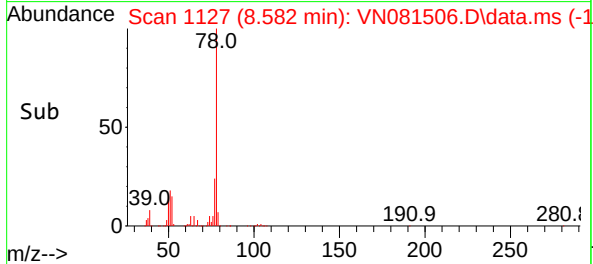
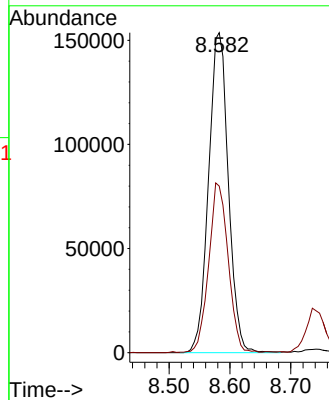
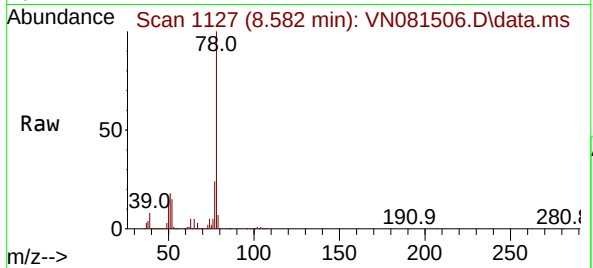
67 51.6 0.0 102.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/21/2024

Supervised By :Mahesh Dadoda 03/21/2024



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. -0.006 min

Lab File: VN081506.D

Acq: 20 Mar 2024 20:09

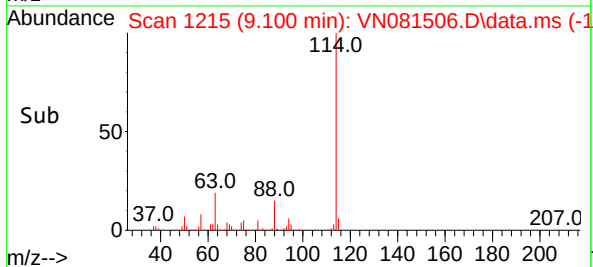
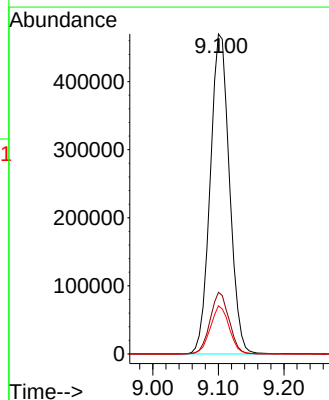
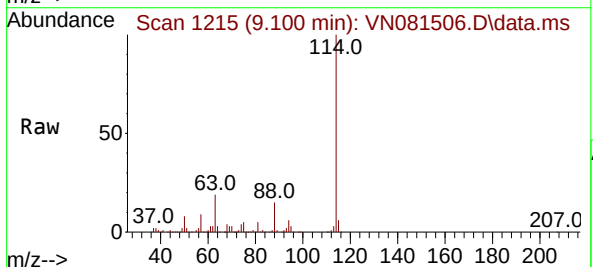
Tgt Ion:114 Resp: 958057

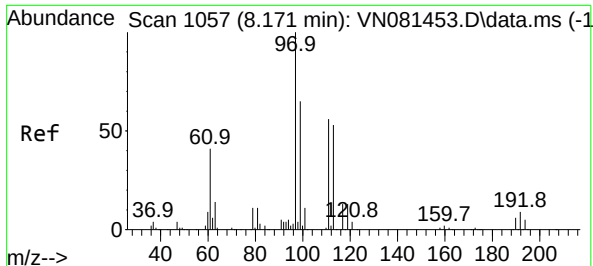
Ion Ratio Lower Upper

114 100

63 19.3 0.0 48.0

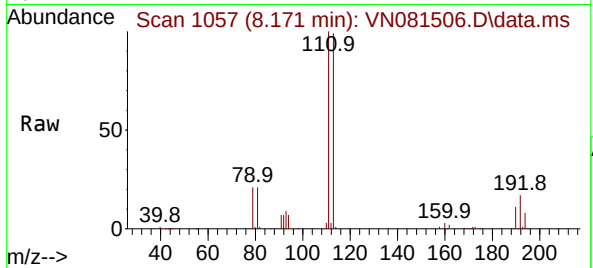
88 15.1 0.0 34.8





#35
Dibromofluoromethane
Concen: 47.615 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. 0.000 min
Lab File: VN081506.D
Acq: 20 Mar 2024 20:09

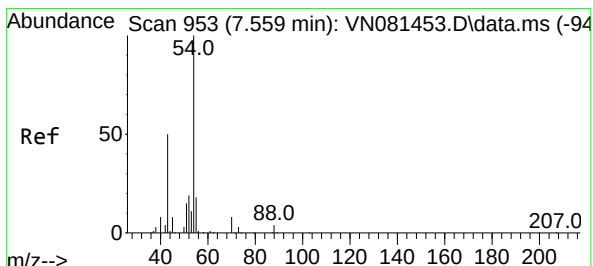
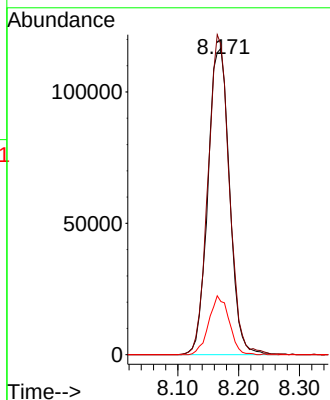
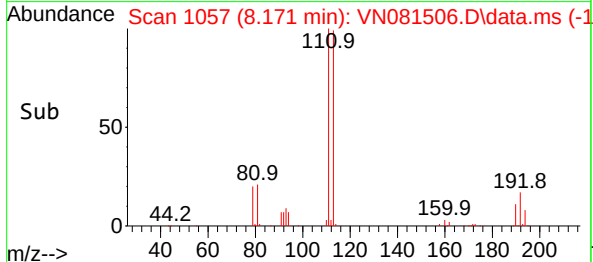
Instrument :
MSVOA_N
ClientSampleId :
50297



Tgt Ion: 113 Resp: 287898
Ion Ratio Lower Upper
113 100
111 102.3 82.2 123.4
192 18.0 12.5 18.7

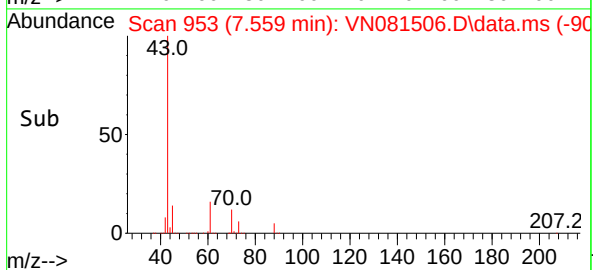
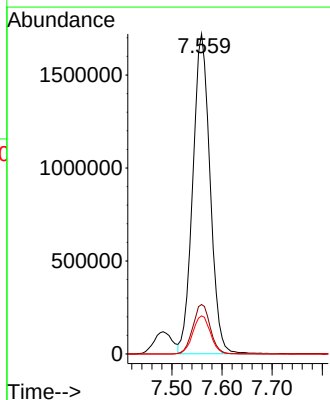
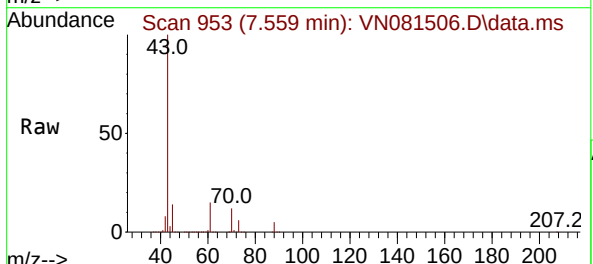
Manual Integrations
APPROVED

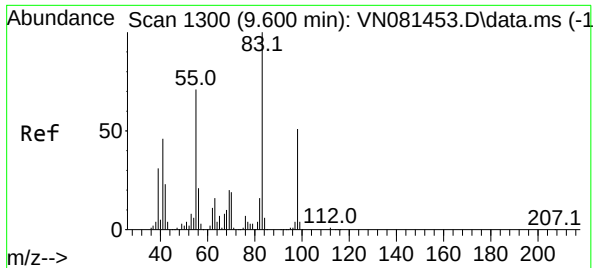
Reviewed By :John Carlone 03/21/2024
Supervised By :Mahesh Dadoda 03/21/2024



#37
Ethyl Acetate
Concen: 471.902 ug/l
RT: 7.559 min Scan# 953
Delta R.T. 0.000 min
Lab File: VN081506.D
Acq: 20 Mar 2024 20:09

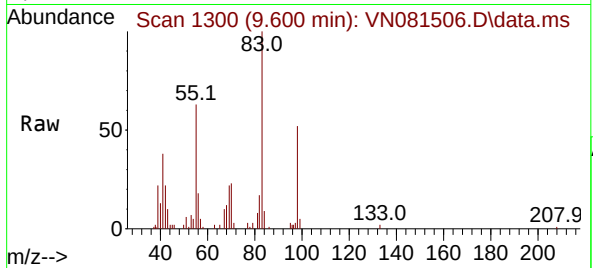
Tgt Ion: 43 Resp: 4111709
Ion Ratio Lower Upper
43 100
61 15.6 10.6 15.8
70 12.2 8.0 12.0#





#39
Methylcyclohexane
Concen: 3.193 ug/l
RT: 9.600 min Scan# 1129
Delta R.T. 0.000 min
Lab File: VN081506.D
Acq: 20 Mar 2024 20:09

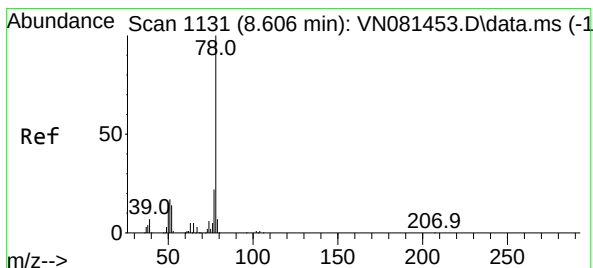
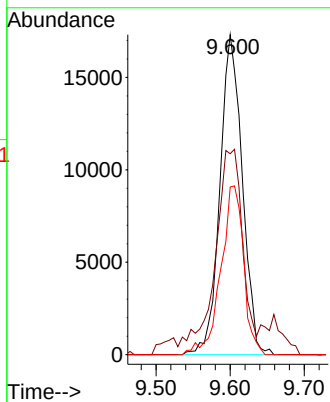
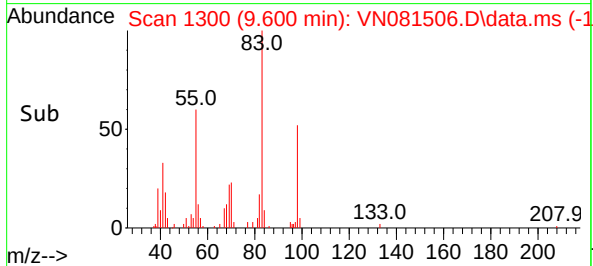
Instrument :
MSVOA_N
ClientSampleId :
50297



Tgt Ion: 83 Resp: 36280
Ion Ratio Lower Upper
83 100
55 60.3 65.7 98.5
98 52.4 33.8 50.6

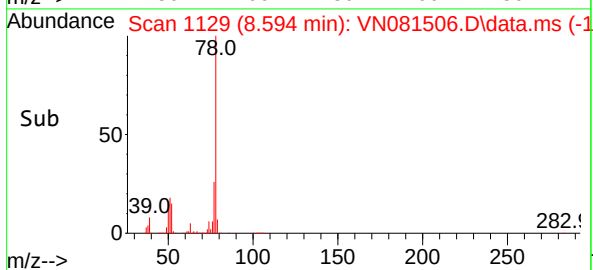
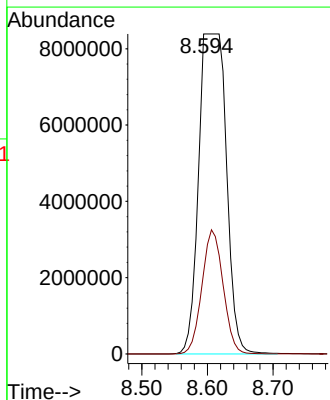
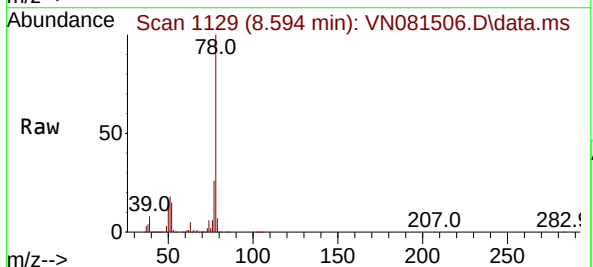
Manual Integrations
APPROVED

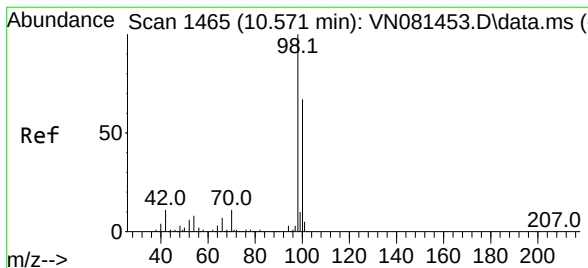
Reviewed By :John Carlone 03/21/2024
Supervised By :Mahesh Dadoda 03/21/2024



#40
Benzene
Concen: 826.791 ug/l m
RT: 8.594 min Scan# 1129
Delta R.T. -0.012 min
Lab File: VN081506.D
Acq: 20 Mar 2024 20:09

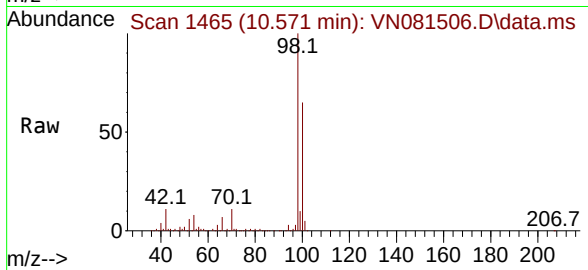
Tgt Ion: 78 Resp:24595406
Ion Ratio Lower Upper
78 100
77 25.5 20.4 30.6





#50
Toluene-d8
Concen: 51.505 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VN081506.D
Acq: 20 Mar 2024 20:09

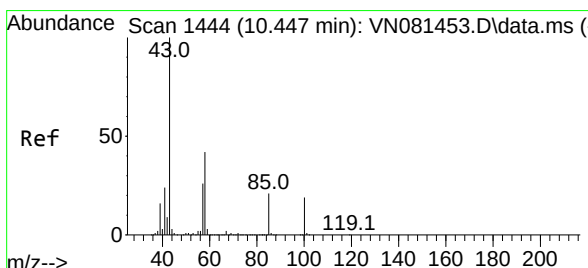
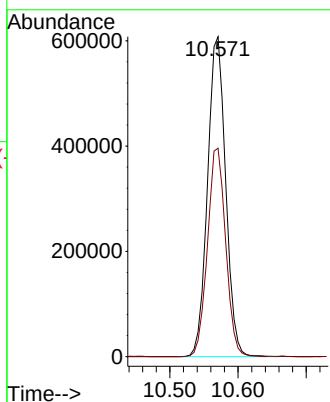
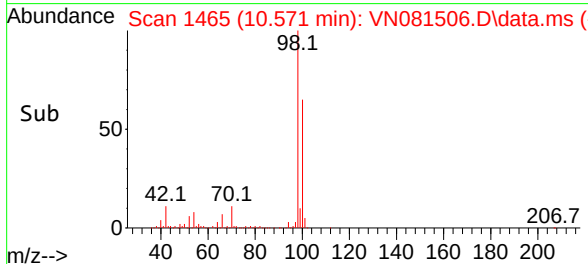
Instrument :
MSVOA_N
ClientSampleId :
50297



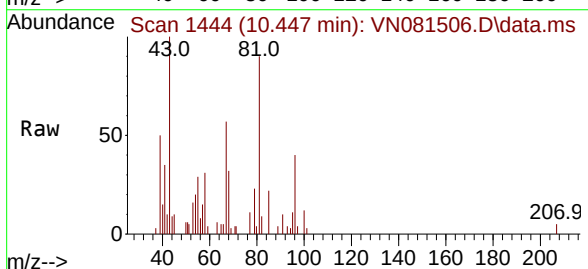
Tgt Ion: 98 Resp: 112573
Ion Ratio Lower Upper
98 100
100 65.5 51.4 77.0

Manual Integrations
APPROVED

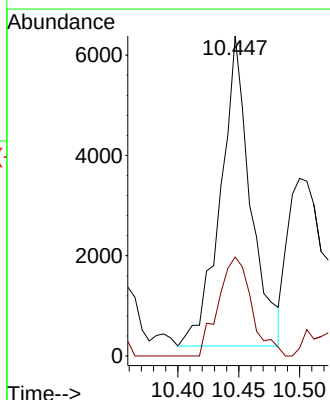
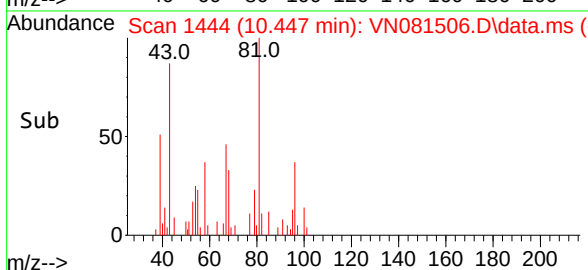
Reviewed By :John Carlone 03/21/2024
Supervised By :Mahesh Dadoda 03/21/2024

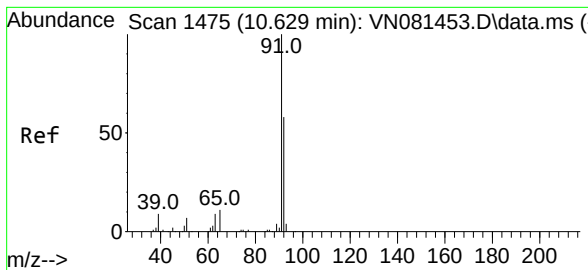


#51
4-Methyl-2-Pentanone
Concen: 1.208 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN081506.D
Acq: 20 Mar 2024 20:09



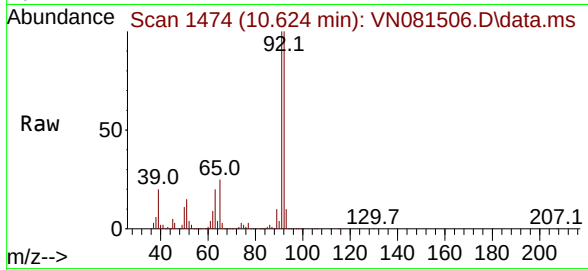
Tgt Ion: 43 Resp: 10648
Ion Ratio Lower Upper
43 100
58 35.1 29.4 44.0





#52
Toluene
Concen: 1066.129 ug/l
RT: 10.624 min Scan# 1475
Delta R.T. -0.006 min
Lab File: VN081506.D
Acq: 20 Mar 2024 20:09

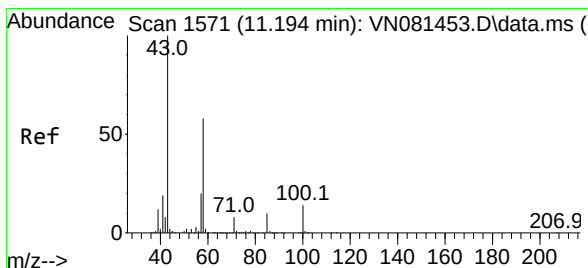
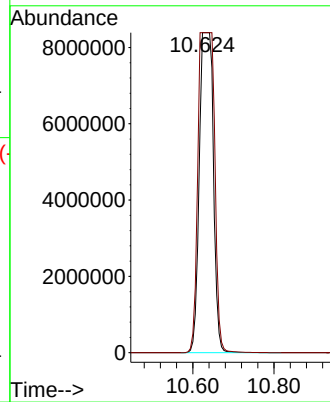
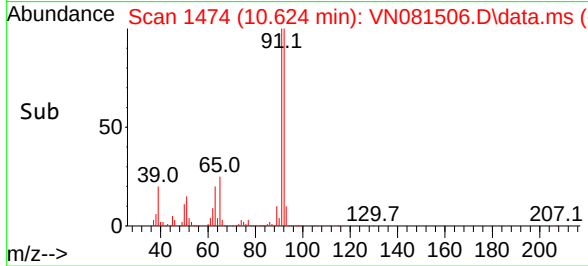
Instrument :
MSVOA_N
ClientSampleId :
50297



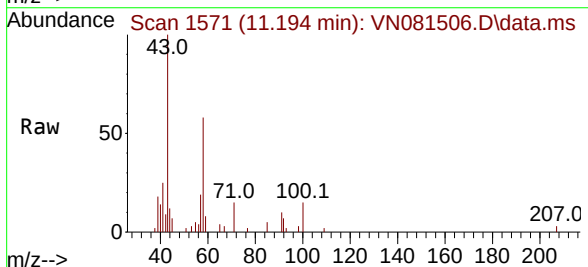
Tgt Ion: 92 Resp: 2015802
Ion Ratio Lower Upper
92 100
91 0.0 139.4 209.0

Manual Integrations
APPROVED

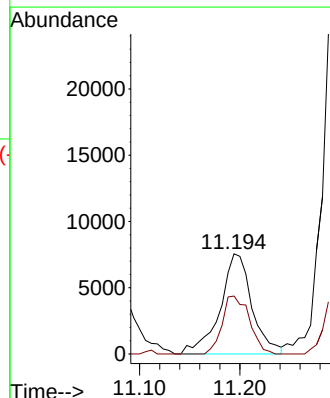
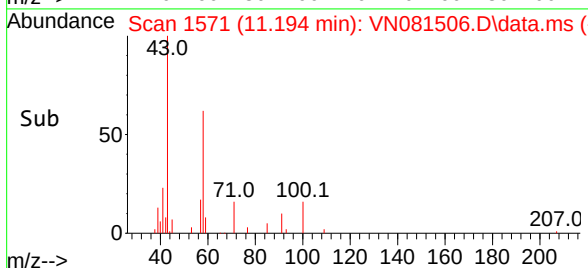
Reviewed By :John Carlone 03/21/2024
Supervised By :Mahesh Dadoda 03/21/2024

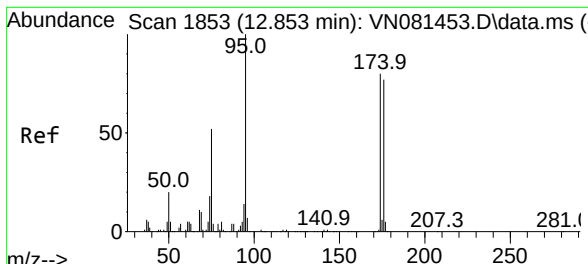


#59
2-Hexanone
Concen: 2.559 ug/l
RT: 11.194 min Scan# 1571
Delta R.T. 0.000 min
Lab File: VN081506.D
Acq: 20 Mar 2024 20:09



Tgt Ion: 43 Resp: 16677
Ion Ratio Lower Upper
43 100
58 49.3 25.9 77.8





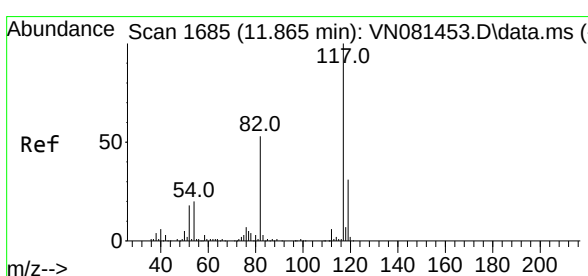
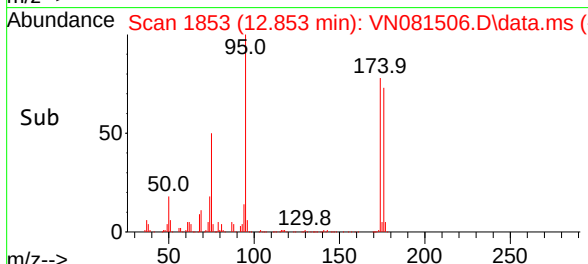
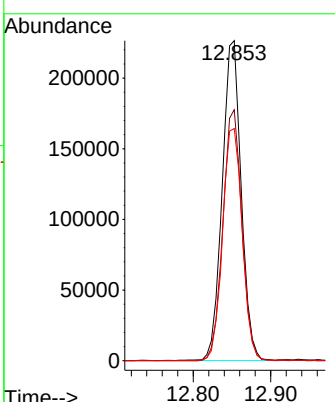
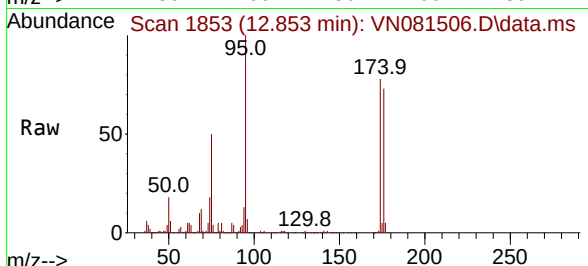
#62
 4-Bromofluorobenzene
 Concen: 50.015 ug/l
 RT: 12.853 min Scan# 1853
 Delta R.T. 0.000 min
 Lab File: VN081506.D
 Acq: 20 Mar 2024 20:09

Instrument : MSVOA_N
 ClientSampleId : 50297

Tgt Ion: 95 Resp: 385180

Ion	Ratio	Lower	Upper
95	100		
174	78.8	0.0	120.4
176	75.2	0.0	121.0

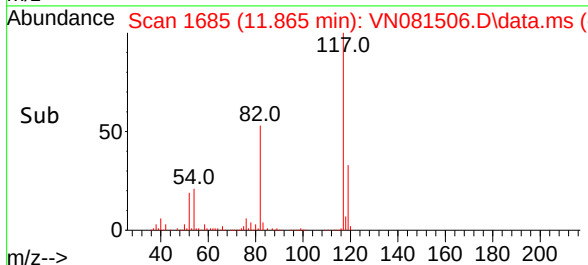
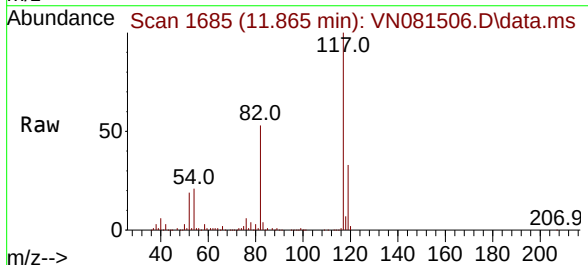
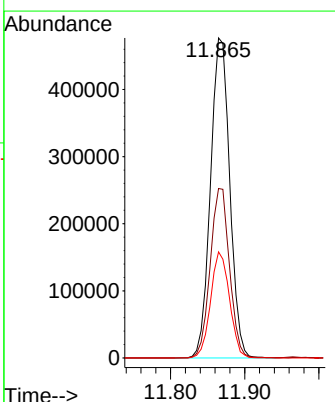
Manual Integrations
APPROVED
 Reviewed By :John Carlone 03/21/2024
 Supervised By :Mahesh Dadoda 03/21/2024

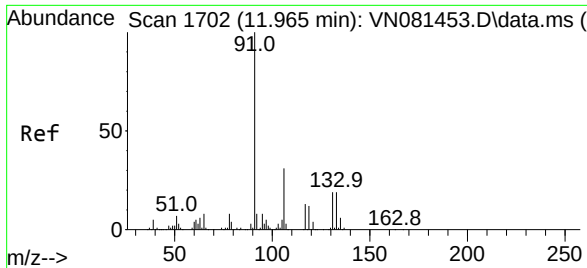


#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.865 min Scan# 1685
 Delta R.T. 0.000 min
 Lab File: VN081506.D
 Acq: 20 Mar 2024 20:09

Tgt Ion: 117 Resp: 859619

Ion	Ratio	Lower	Upper
117	100		
82	52.9	52.7	79.1
119	33.1	25.3	37.9





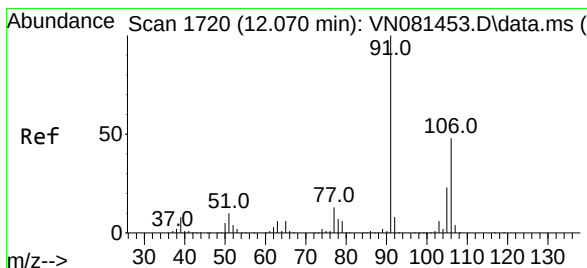
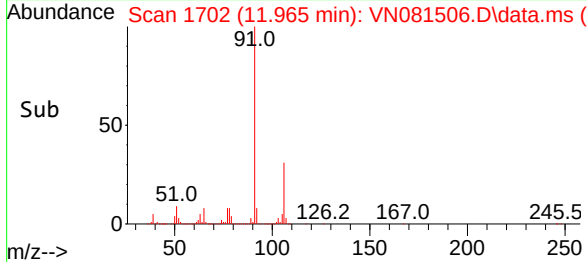
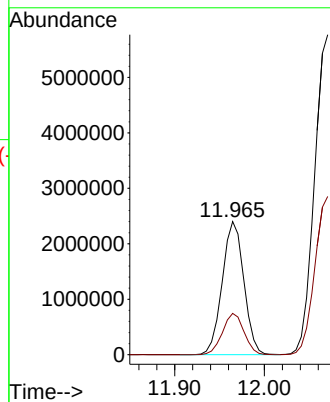
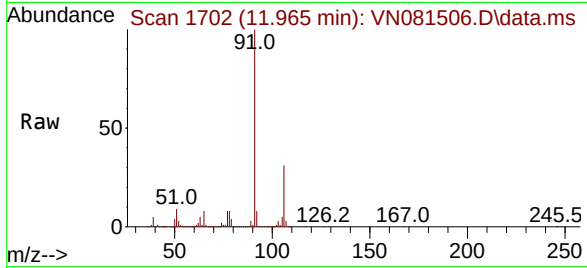
#67
Ethyl Benzene
Concen: 113.807 ug/l
RT: 11.965 min Scan# 1702
Delta R.T. 0.000 min
Lab File: VN081506.D
Acq: 20 Mar 2024 20:09

Instrument :
MSVOA_N
ClientSampleId :
50297

Tgt Ion: 91 Resp: 4017359
Ion Ratio Lower Upper
91 100
106 31.0 23.8 35.6

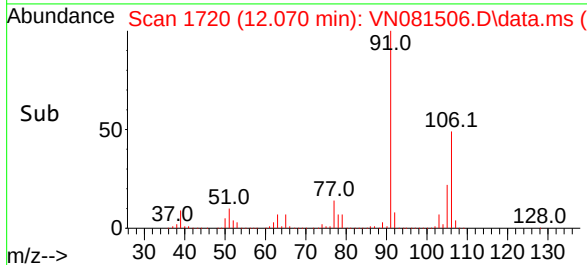
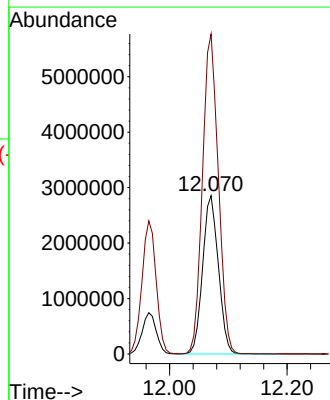
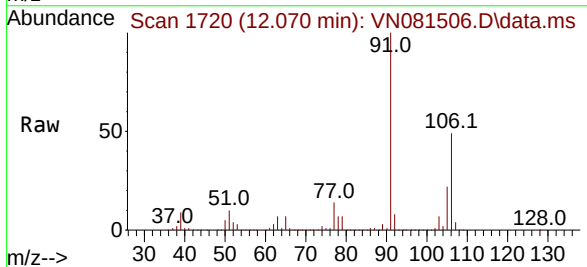
Manual Integrations
APPROVED

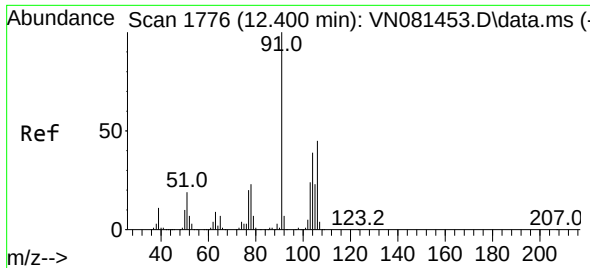
Reviewed By :John Carlone 03/21/2024
Supervised By :Mahesh Dadoda 03/21/2024



#68
m/p-Xylenes
Concen: 399.818 ug/l
RT: 12.070 min Scan# 1720
Delta R.T. 0.000 min
Lab File: VN081506.D
Acq: 20 Mar 2024 20:09

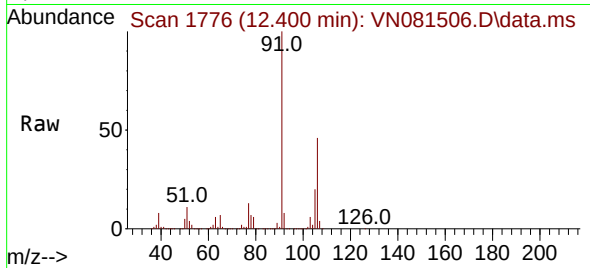
Tgt Ion:106 Resp: 5290910
Ion Ratio Lower Upper
106 100
91 204.4 169.0 253.6





#69
o-Xylene
Concen: 186.815 ug/l
RT: 12.400 min Scan# 11776
Delta R.T. 0.000 min
Lab File: VN081506.D
Acq: 20 Mar 2024 20:09

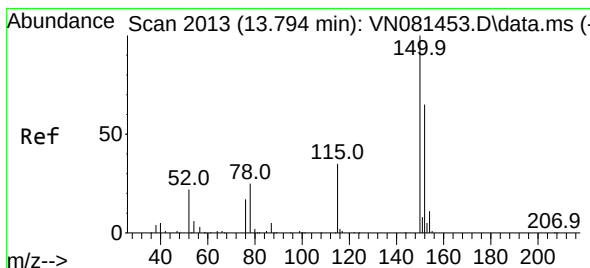
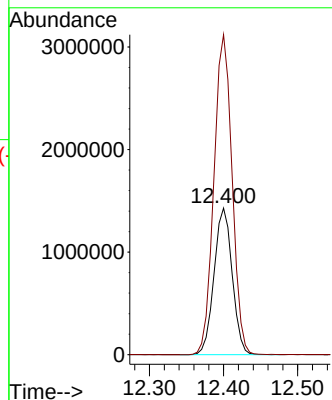
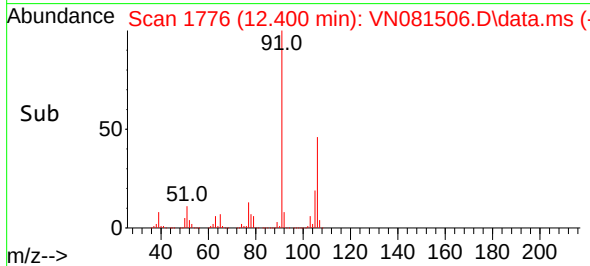
Instrument :
MSVOA_N
ClientSampleId :
50297



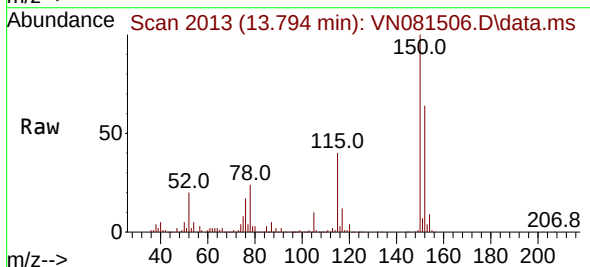
Tgt Ion:106 Resp: 2427002
Ion Ratio Lower Upper
106 100
91 218.9 112.1 336.3

Manual Integrations
APPROVED

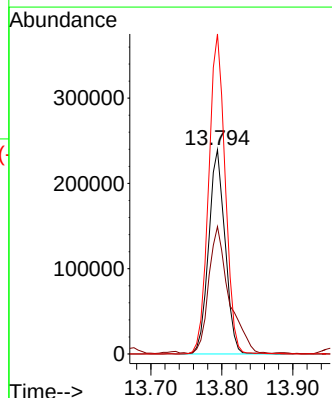
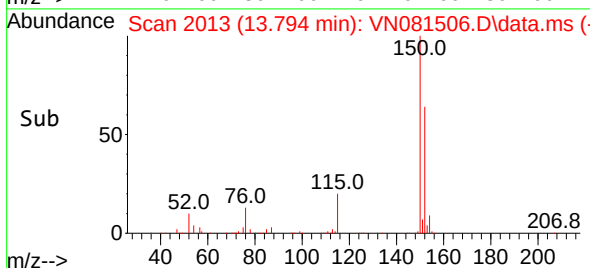
Reviewed By :John Carlone 03/21/2024
Supervised By :Mahesh Dadoda 03/21/2024

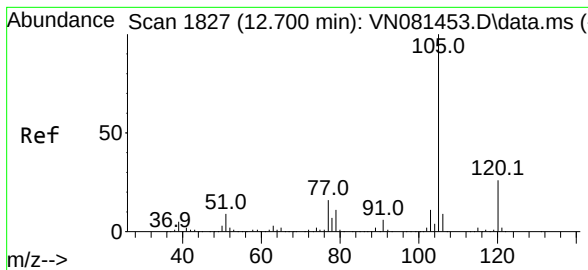


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.000 min
Lab File: VN081506.D
Acq: 20 Mar 2024 20:09



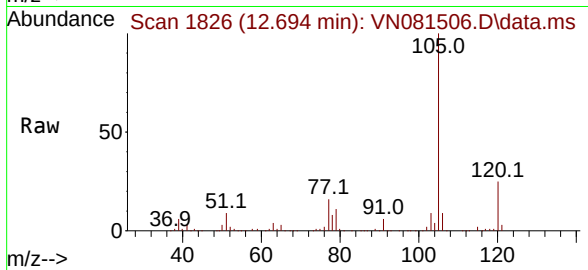
Tgt Ion:152 Resp: 384755
Ion Ratio Lower Upper
152 100
115 76.9 32.3 96.8
150 157.8 0.0 339.8





#73
Isopropylbenzene
Concen: 7.960 ug/l
RT: 12.694 min Scan# 1826
Delta R.T. -0.006 min
Lab File: VN081506.D
Acq: 20 Mar 2024 20:09

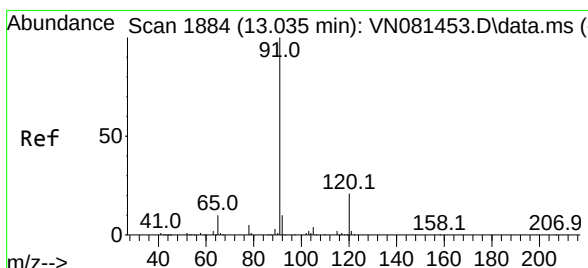
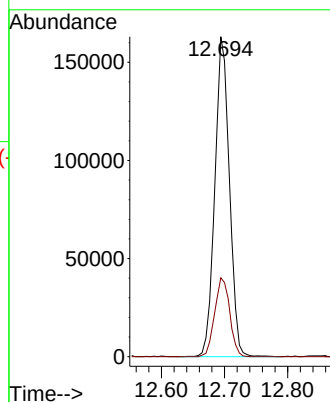
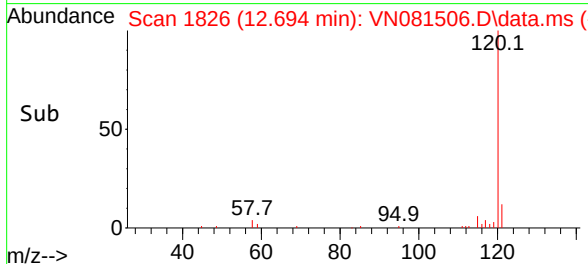
Instrument :
MSVOA_N
ClientSampleId :
50297



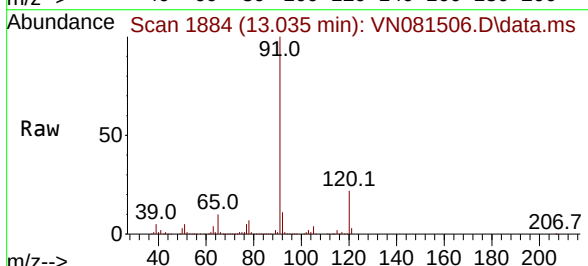
Tgt Ion:105 Resp: 261068
Ion Ratio Lower Upper
105 100
120 25.4 12.6 37.6

Manual Integrations
APPROVED

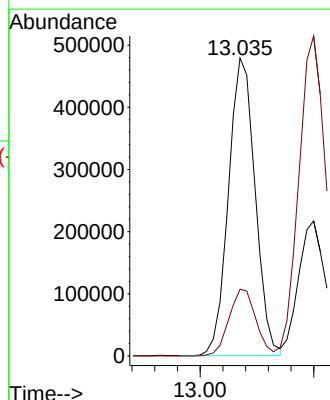
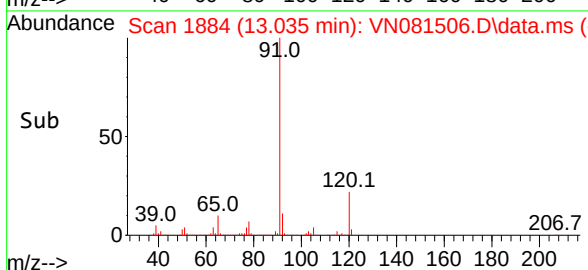
Reviewed By :John Carlone 03/21/2024
Supervised By :Mahesh Dadoda 03/21/2024

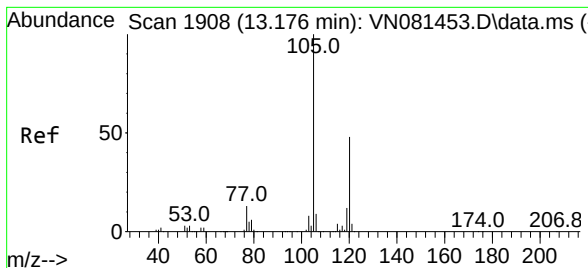


#78
n-propylbenzene
Concen: 20.188 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. 0.000 min
Lab File: VN081506.D
Acq: 20 Mar 2024 20:09



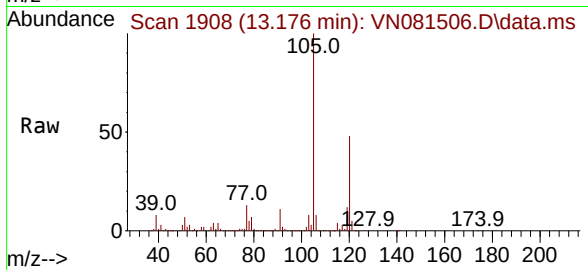
Tgt Ion: 91 Resp: 781892
Ion Ratio Lower Upper
91 100
120 22.6 10.3 30.9





#80
1,3,5-Trimethylbenzene
Concen: 38.237 ug/l
RT: 13.176 min Scan# 1908
Delta R.T. 0.000 min
Lab File: VN081506.D
Acq: 20 Mar 2024 20:09

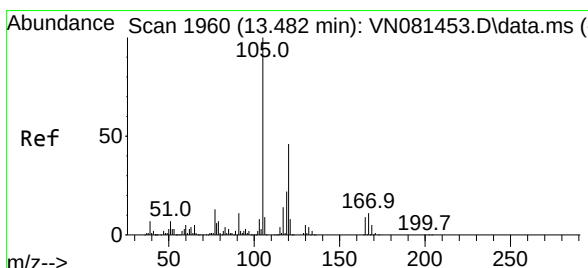
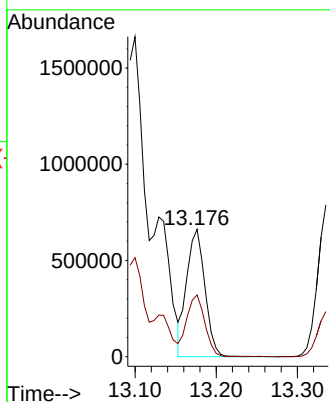
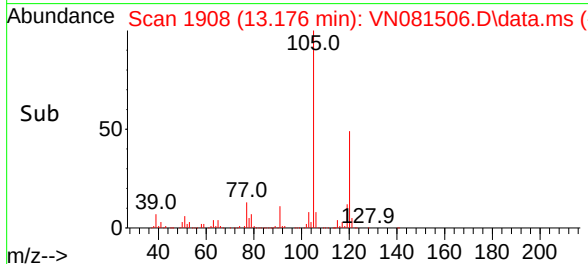
Instrument :
MSVOA_N
ClientSampleId :
50297



Tgt Ion:105 Resp: 1035779
Ion Ratio Lower Upper
105 100
120 48.0 23.0 69.0

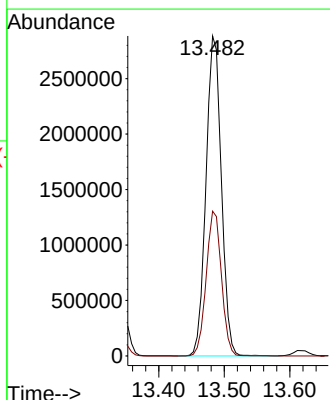
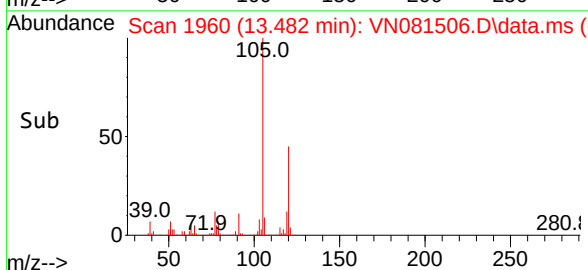
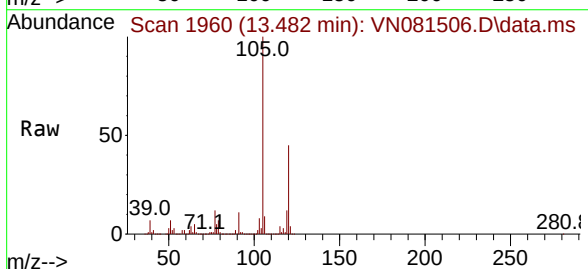
Manual Integrations
APPROVED

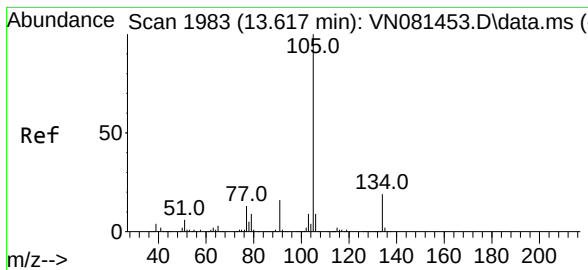
Reviewed By :John Carlone 03/21/2024
Supervised By :Mahesh Dadoda 03/21/2024



#84
1,2,4-Trimethylbenzene
Concen: 172.652 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. 0.000 min
Lab File: VN081506.D
Acq: 20 Mar 2024 20:09

Tgt Ion:105 Resp: 4700625
Ion Ratio Lower Upper
105 100
120 44.9 20.9 62.7





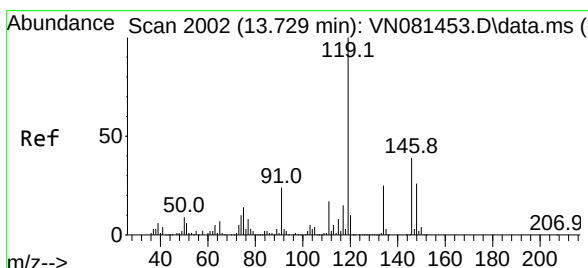
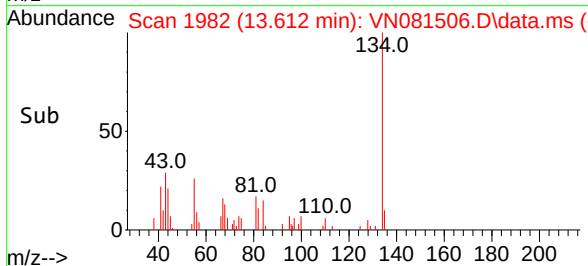
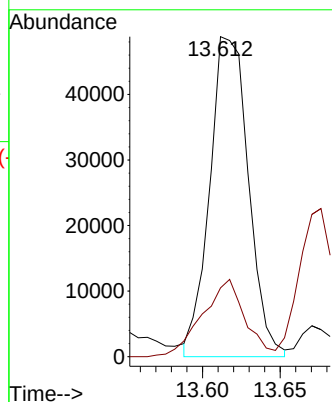
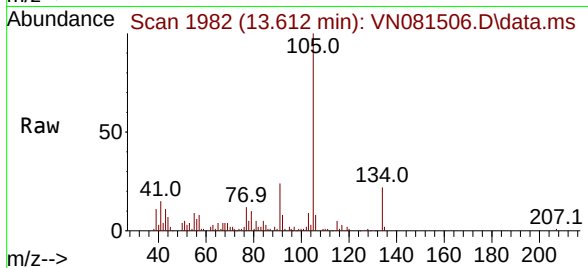
#85
 sec-Butylbenzene
 Concen: 2.537 ug/l m
 RT: 13.612 min Scan# 1983
 Delta R.T. -0.006 min
 Lab File: VN081506.D
 Acq: 20 Mar 2024 20:09

Instrument :
 MSVOA_N
 ClientSampleId :
 50297

Tgt Ion:105 Resp: 84725
 Ion Ratio Lower Upper
 105 100
 134 0.0 8.6 25.8

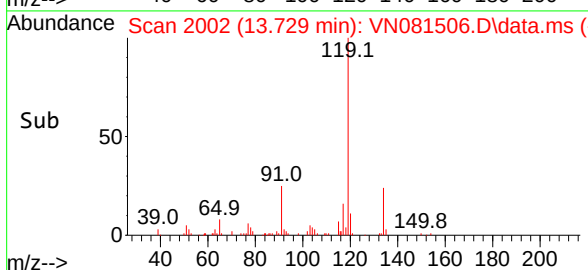
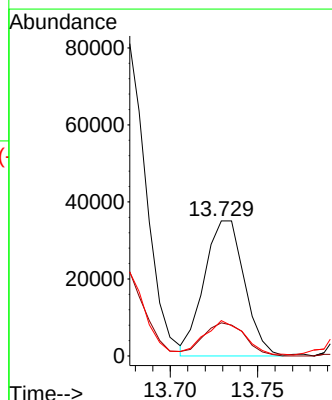
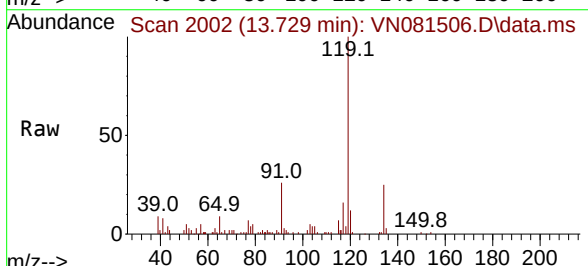
Manual Integrations
 APPROVED

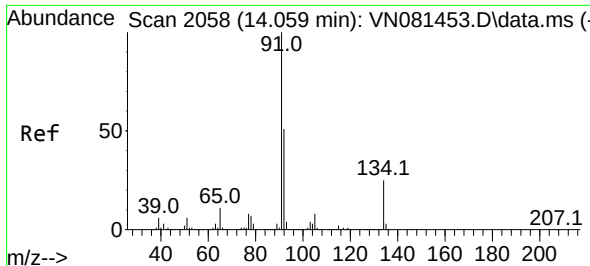
Reviewed By :John Carlone 03/21/2024
 Supervised By :Mahesh Dadoda 03/21/2024



#86
 p-Isopropyltoluene
 Concen: 2.068 ug/l m
 RT: 13.729 min Scan# 2002
 Delta R.T. 0.000 min
 Lab File: VN081506.D
 Acq: 20 Mar 2024 20:09

Tgt Ion:119 Resp: 56444
 Ion Ratio Lower Upper
 119 100
 134 64.2 12.4 37.2#
 91 56.3 13.5 40.4#





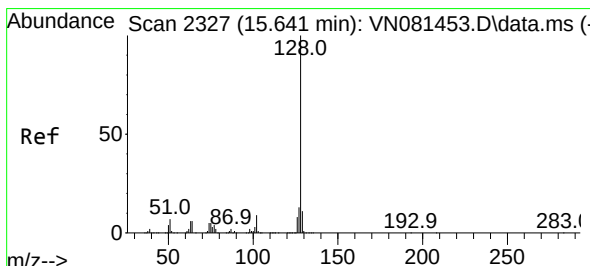
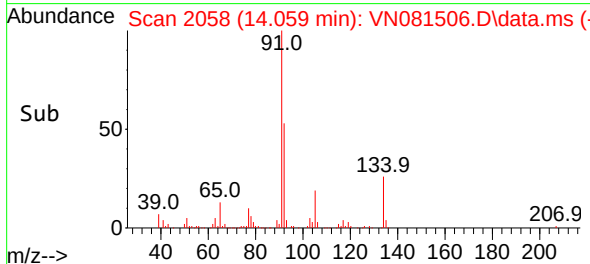
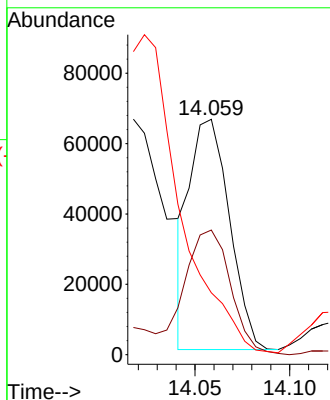
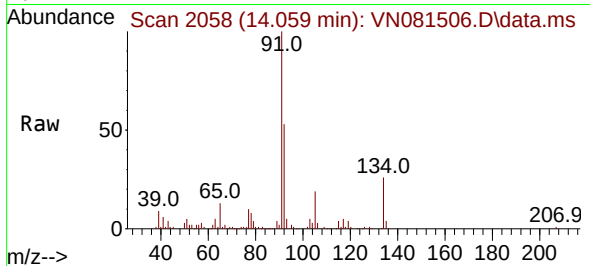
#89
n-Butylbenzene
Concen: 3.958 ug/l
RT: 14.059 min Scan# 2058
Delta R.T. 0.000 min
Lab File: VN081506.D
Acq: 20 Mar 2024 20:09

Instrument :
MSVOA_N
ClientSampleId :
50297

Tgt Ion: 91 Resp: 9579
Ion Ratio Lower Upper
91 100
92 63.2 26.7 80.1
134 0.0 10.8 32.4

Manual Integrations
APPROVED

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



#95
Naphthalene
Concen: 34.796 ug/l
RT: 15.641 min Scan# 2327
Delta R.T. 0.000 min
Lab File: VN081506.D
Acq: 20 Mar 2024 20:09

Tgt Ion:128 Resp: 934019
Ion Ratio Lower Upper
128 100
127 13.1 10.0 15.0
129 10.8 8.7 13.1

