

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071124\
 Data File : VN082878.D
 Acq On : 11 Jul 2024 15:56
 Operator : JC\MD
 Sample : P3220-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 240710076-02-VOA

Manual Integrations
 APPROVED

Reviewed By : John Carlone 07/12/2024
 Supervised By : Mahesh Dadoda 07/12/2024

Quant Time: Jul 12 01:08:19 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N070824W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 08 13:46:04 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	133401	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	238964	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	235511	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	111169	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.576	65	91570	48.968	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	97.940%		
35) Dibromofluoromethane	8.171	113	74103	48.327	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	96.660%		
50) Toluene-d8	10.565	98	279786	49.402	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	98.800%		
62) 4-Bromofluorobenzene	12.853	95	105997	52.103	ug/l	0.00
Spiked Amount 50.000	Range 64 - 133		Recovery =	104.200%		
Target Compounds						Qvalue
8) Diethyl Ether	3.959	74	4479	5.290	ug/l	83
11) Tert butyl alcohol	5.524	59	2775309	8823.811	ug/l	99
16) Acetone	4.424	43	308777	468.994	ug/l	93
17) Carbon Disulfide	4.712	76	18786	4.617	ug/l	99
19) Methyl tert-butyl Ether	5.788	73	10423	2.219	ug/l	95
25) 2-Butanone	7.482	43	176678m	177.723	ug/l	
29) Tetrahydrofuran	7.835	42	731742	1169.191	ug/l #	83
40) Benzene	8.606	78	34102	5.244	ug/l	98
51) 4-Methyl-2-Pentanone	10.447	43	17905m	8.391	ug/l	
52) Toluene	10.635	92	44754	11.017	ug/l	98
65) Chlorobenzene	11.894	112	7531	1.492	ug/l #	81
67) Ethyl Benzene	11.965	91	95292	11.235	ug/l	97
68) m/p-Xylenes	12.065	106	39701	12.398	ug/l	99
69) o-Xylene	12.400	106	20801	6.779	ug/l	99
73) Isopropylbenzene	12.694	105	9617	1.191	ug/l	98
78) n-propylbenzene	13.035	91	5022	0.541	ug/l	100
80) 1,3,5-Trimethylbenzene	13.170	105	6518	0.998	ug/l	92
84) 1,2,4-Trimethylbenzene	13.482	105	23794	3.575	ug/l	97
86) p-Isopropyltoluene	13.729	119	62172	9.526	ug/l	98
95) Naphthalene	15.641	128	146100	21.665	ug/l	99

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

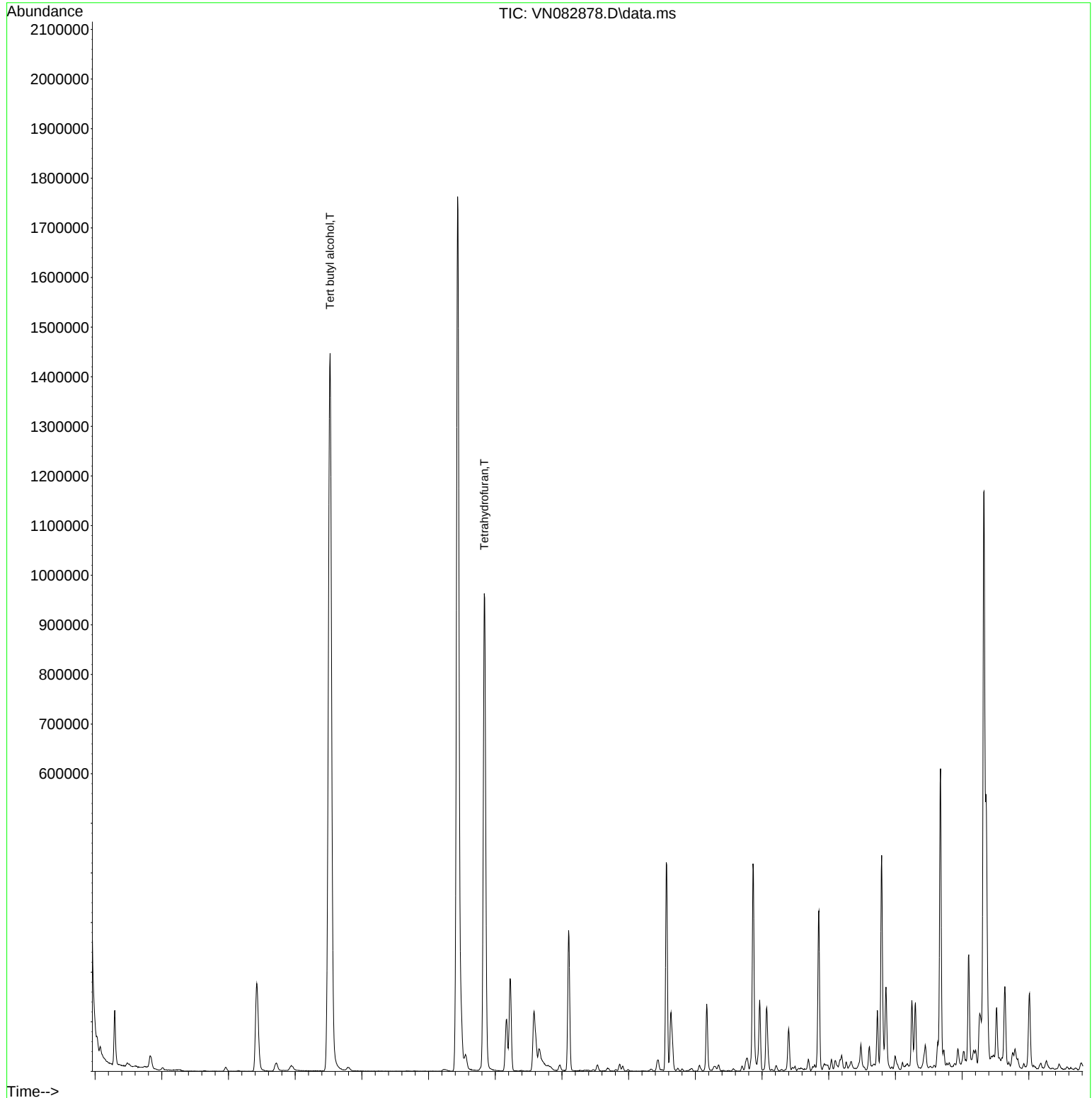
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN071124\
Data File : VN082878.D
Acq On : 11 Jul 2024 15:56
Operator : JC\MD
Sample : P3220-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 17 Sample Multiplier: 1

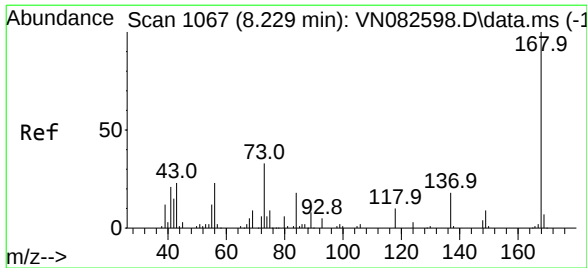
Instrument :
MSVOA_N
ClientSampleId :
240710076-02-VOA

Manual Integrations
APPROVED

Reviewed By : John Carlone 07/12/2024
Supervised By : Mahesh Dadoda 07/12/2024

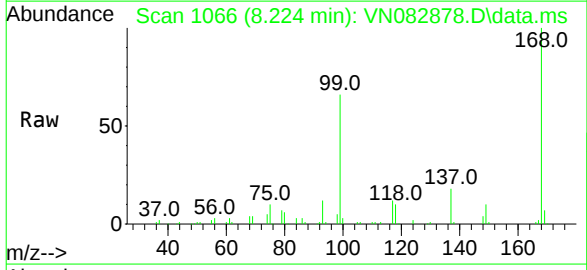
Quant Time: Jul 12 01:08:19 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N070824W.M
Quant Title : SW846 8260
QLast Update : Mon Jul 08 13:46:04 2024
Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.005 min
Lab File: VN082878.D
Acq: 11 Jul 2024 15:56

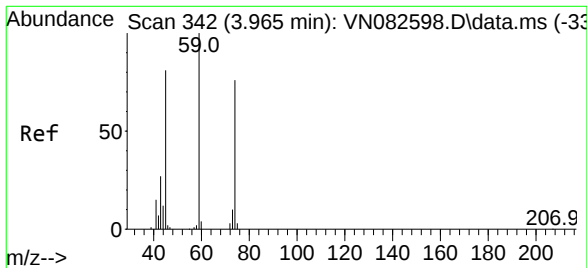
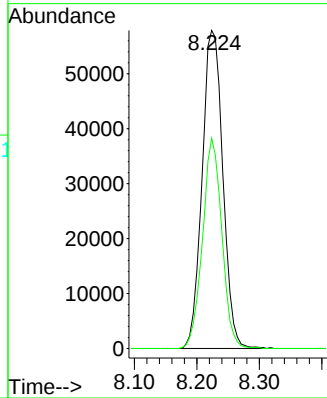
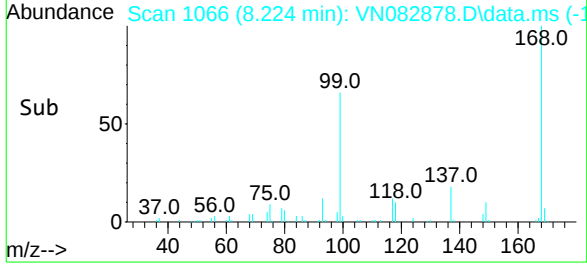
Instrument :
MSVOA_N
ClientSampleId :
240710076-02-VOA



Tgt Ion:168 Resp: 133401
Ion Ratio Lower Upper
168 100
99 66.1 48.2 72.4

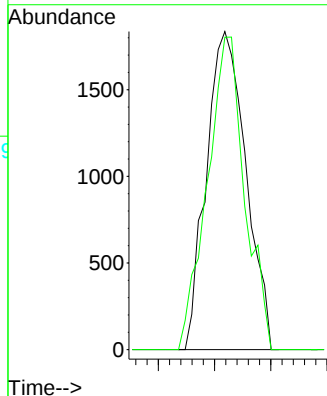
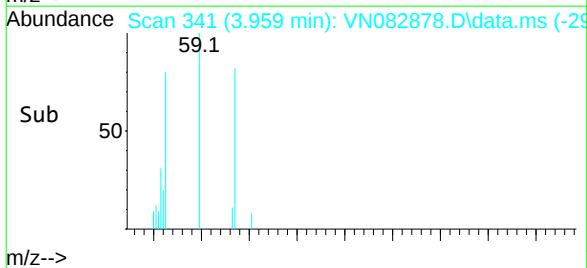
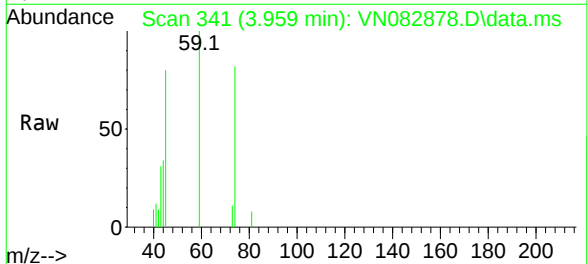
Manual Integrations
APPROVED

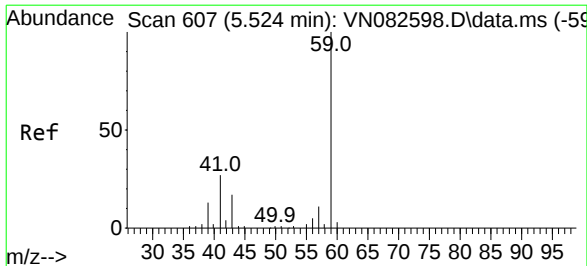
Reviewed By :John Carlone 07/12/2024
Supervised By :Mahesh Dadoda 07/12/2024



#8
Diethyl Ether
Concen: 5.290 ug/l
RT: 3.959 min Scan# 341
Delta R.T. -0.006 min
Lab File: VN082878.D
Acq: 11 Jul 2024 15:56

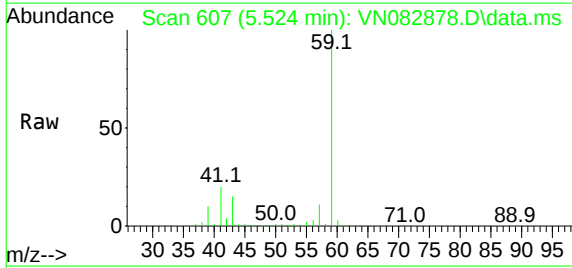
Tgt Ion: 74 Resp: 4479
Ion Ratio Lower Upper
74 100
45 93.1 55.5 166.3





#11
Tert butyl alcohol
Concen: 8823.811 ug/l
RT: 5.524 min Scan# 607
Delta R.T. -0.000 min
Lab File: VN082878.D
Acq: 11 Jul 2024 15:56

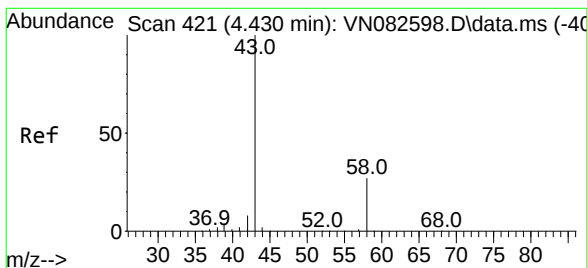
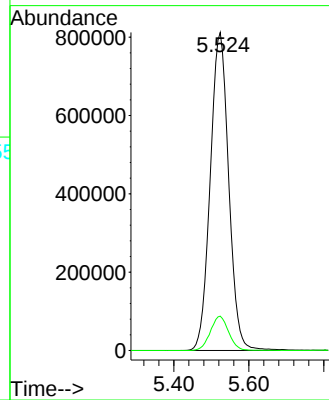
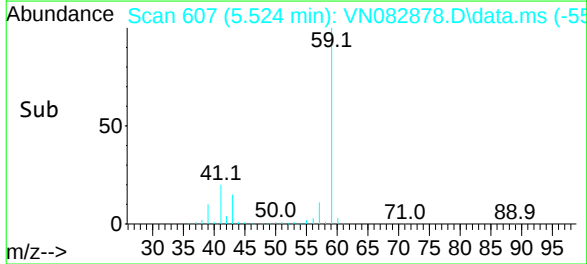
Instrument :
MSVOA_N
ClientSampleId :
240710076-02-VOA



Tgt Ion: 59 Resp: 2775309
Ion Ratio Lower Upper
59 100
57 10.7 8.9 13.3

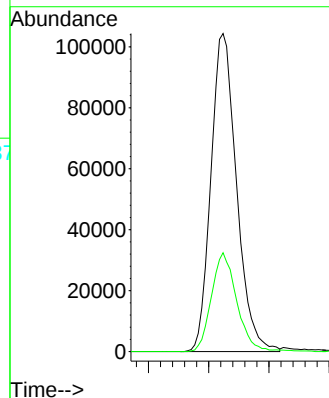
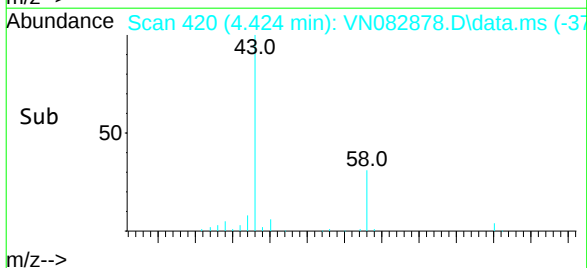
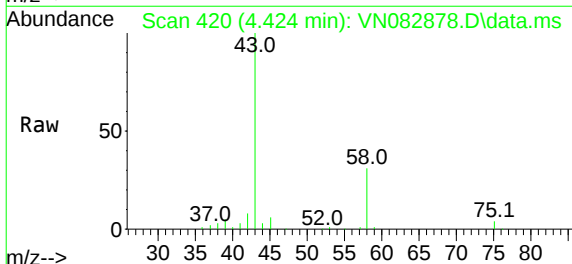
Manual Integrations
APPROVED

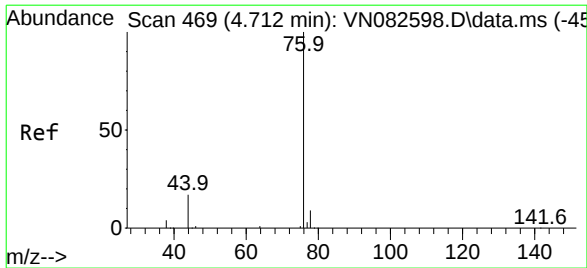
Reviewed By :John Carlone 07/12/2024
Supervised By :Mahesh Dadoda 07/12/2024



#16
Acetone
Concen: 468.994 ug/l
RT: 4.424 min Scan# 420
Delta R.T. -0.006 min
Lab File: VN082878.D
Acq: 11 Jul 2024 15:56

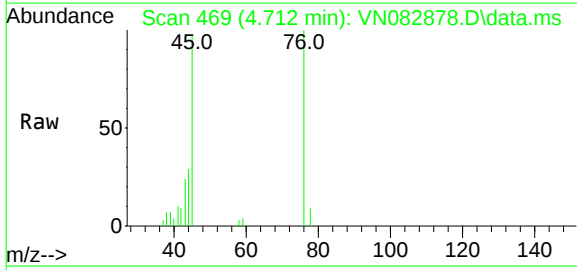
Tgt Ion: 43 Resp: 308777
Ion Ratio Lower Upper
43 100
58 31.1 21.8 32.6





#17
Carbon Disulfide
Concen: 4.617 ug/l
RT: 4.712 min Scan# 469
Delta R.T. 0.000 min
Lab File: VN082878.D
Acq: 11 Jul 2024 15:56

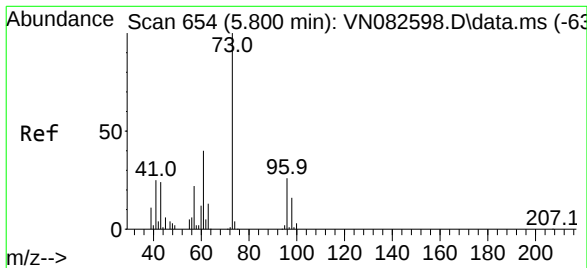
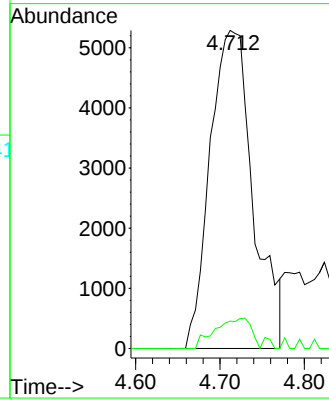
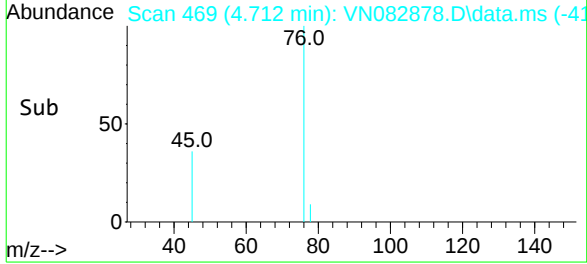
Instrument :
MSVOA_N
ClientSampleId :
240710076-02-VOA



Tgt Ion: 76 Resp: 18786
Ion Ratio Lower Upper
76 100
78 8.6 7.2 10.8

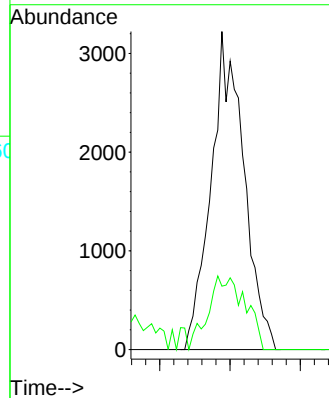
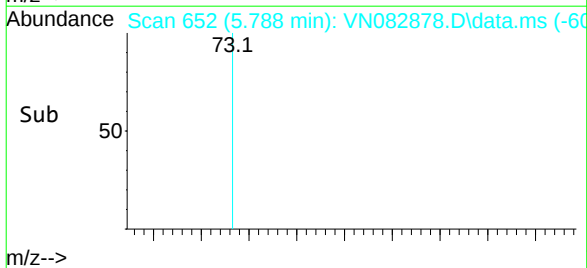
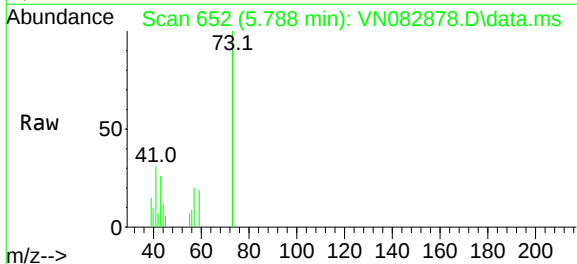
Manual Integrations
APPROVED

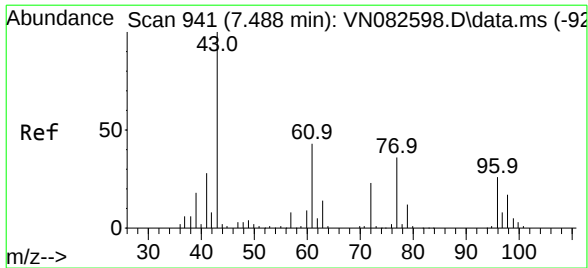
Reviewed By :John Carlone 07/12/2024
Supervised By :Mahesh Dadoda 07/12/2024



#19
Methyl tert-butyl Ether
Concen: 2.219 ug/l
RT: 5.788 min Scan# 652
Delta R.T. -0.012 min
Lab File: VN082878.D
Acq: 11 Jul 2024 15:56

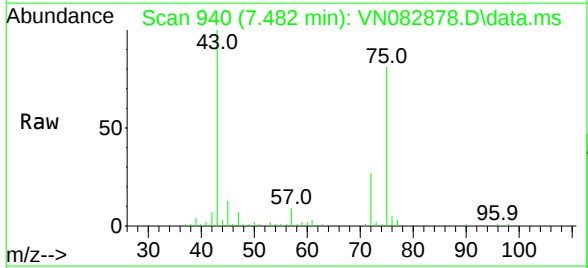
Tgt Ion: 73 Resp: 10423
Ion Ratio Lower Upper
73 100
57 19.9 17.9 26.9





#25
2-Butanone
Concen: 177.723 ug/l m
RT: 7.482 min Scan# 941
Delta R.T. -0.006 min
Lab File: VN082878.D
Acq: 11 Jul 2024 15:56

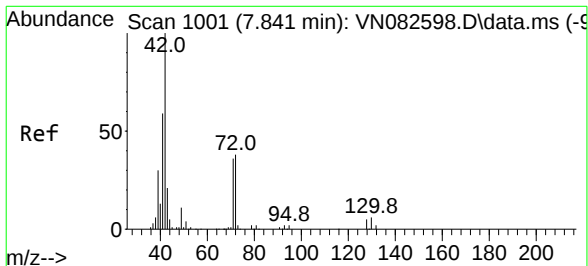
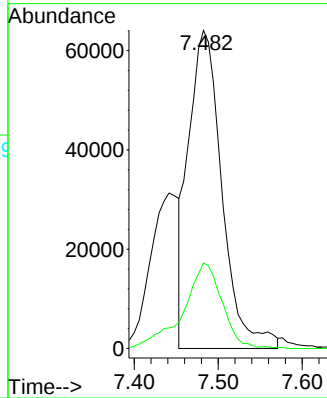
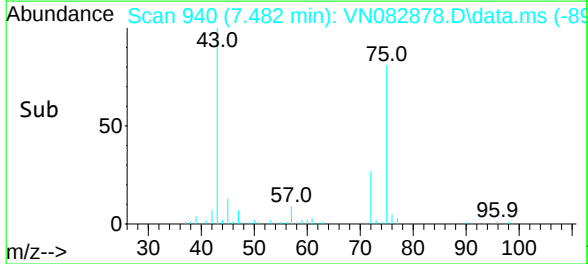
Instrument :
MSVOA_N
ClientSampleId :
240710076-02-VOA



Tgt Ion: 43 Resp: 176678
Ion Ratio Lower Upper
43 100
72 26.9 18.2 27.2

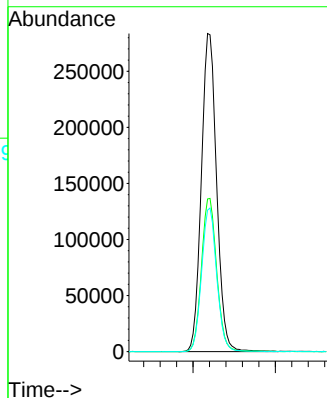
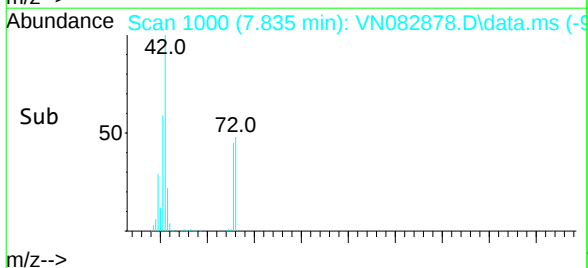
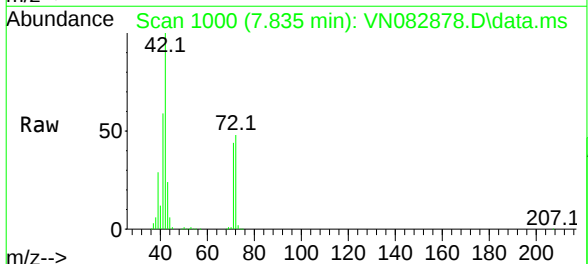
Manual Integrations
APPROVED

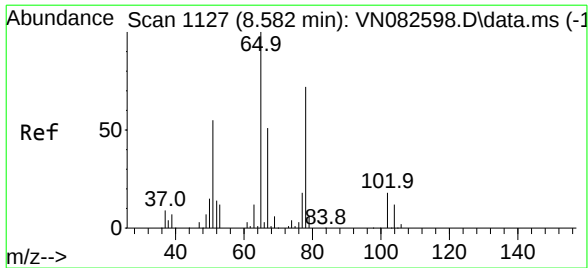
Reviewed By :John Carlone 07/12/2024
Supervised By :Mahesh Dadoda 07/12/2024



#29
Tetrahydrofuran
Concen: 1169.191 ug/l
RT: 7.835 min Scan# 1000
Delta R.T. -0.006 min
Lab File: VN082878.D
Acq: 11 Jul 2024 15:56

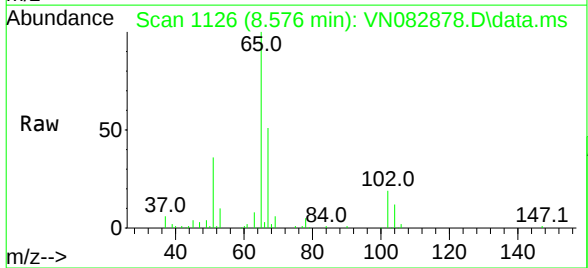
Tgt Ion: 42 Resp: 731742
Ion Ratio Lower Upper
42 100
72 47.9 30.0 45.0#
71 44.5 28.3 42.5#





#33
1,2-Dichloroethane-d4
Concen: 48.968 ug/l
RT: 8.576 min Scan# 111
Delta R.T. -0.006 min
Lab File: VN082878.D
Acq: 11 Jul 2024 15:56

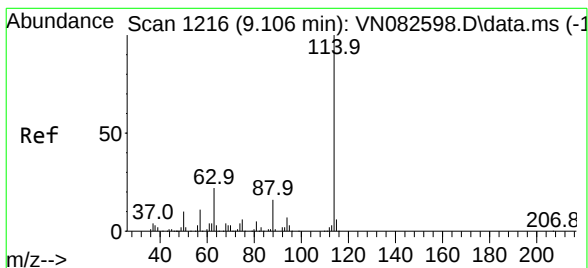
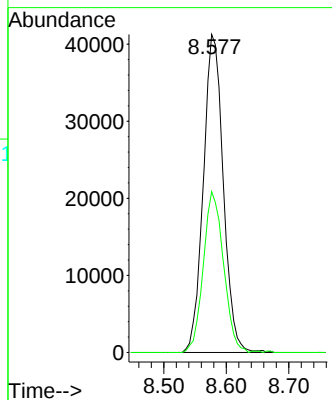
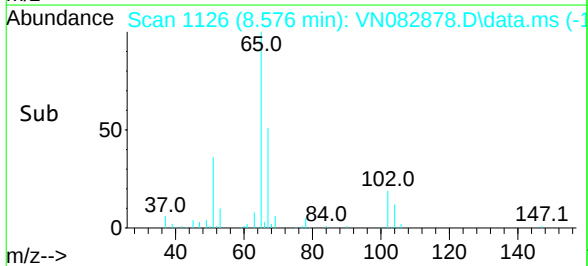
Instrument :
MSVOA_N
ClientSampleId :
240710076-02-VOA



Tgt Ion: 65 Resp: 91570
Ion Ratio Lower Upper
65 100
67 51.3 0.0 104.4

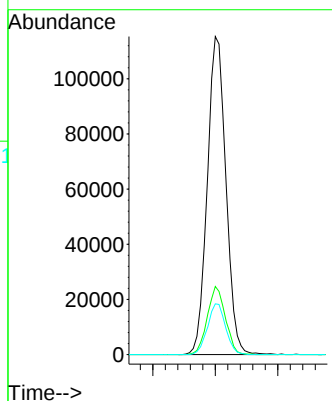
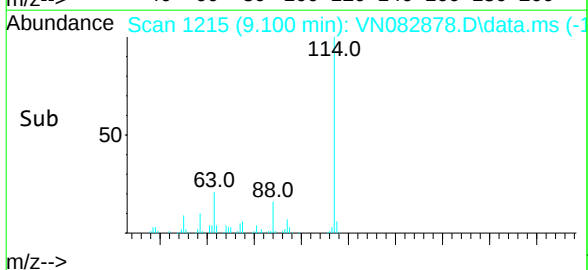
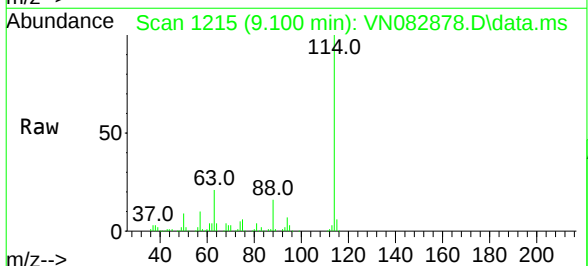
Manual Integrations
APPROVED

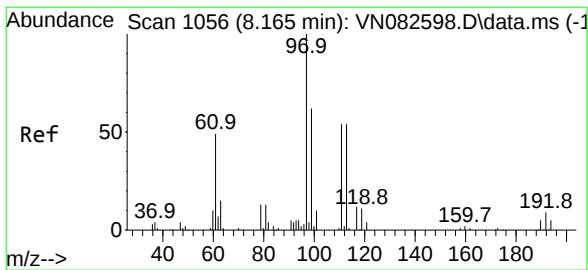
Reviewed By :John Carlone 07/12/2024
Supervised By :Mahesh Dadoda 07/12/2024



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. -0.006 min
Lab File: VN082878.D
Acq: 11 Jul 2024 15:56

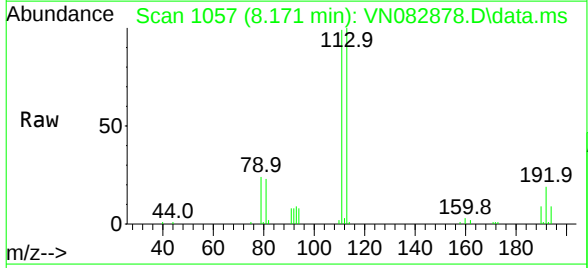
Tgt Ion:114 Resp: 238964
Ion Ratio Lower Upper
114 100
63 21.4 0.0 44.6
88 16.0 0.0 31.4





#35
 Dibromofluoromethane
 Concen: 48.327 ug/l
 RT: 8.171 min Scan# 1057
 Delta R.T. 0.006 min
 Lab File: VN082878.D
 Acq: 11 Jul 2024 15:56

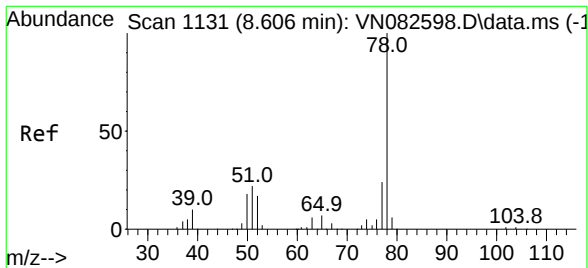
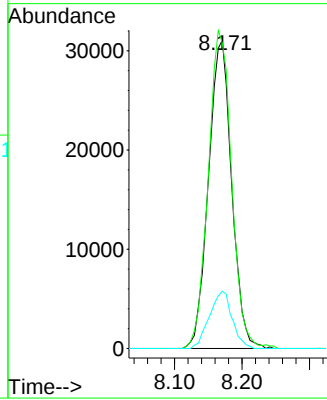
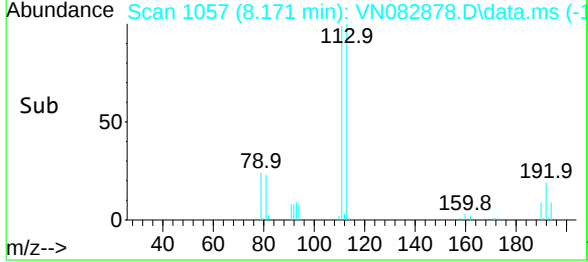
Instrument :
 MSVOA_N
 ClientSampleId :
 240710076-02-VOA



Tgt Ion:	113	Resp:	74103
Ion	Ratio	Lower	Upper
113	100		
111	104.1	82.4	123.6
192	18.2	14.9	22.3

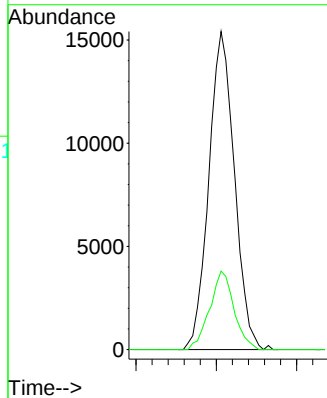
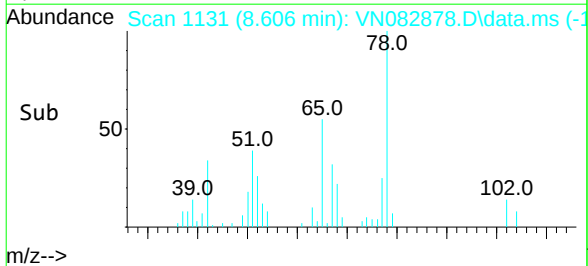
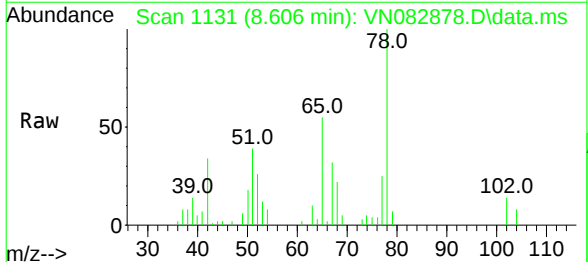
Manual Integrations
 APPROVED

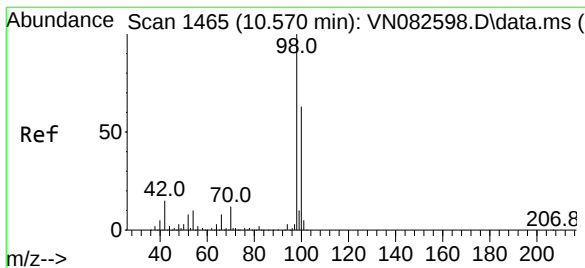
Reviewed By :John Carlone 07/12/2024
 Supervised By :Mahesh Dadoda 07/12/2024



#40
 Benzene
 Concen: 5.244 ug/l
 RT: 8.606 min Scan# 1131
 Delta R.T. -0.000 min
 Lab File: VN082878.D
 Acq: 11 Jul 2024 15:56

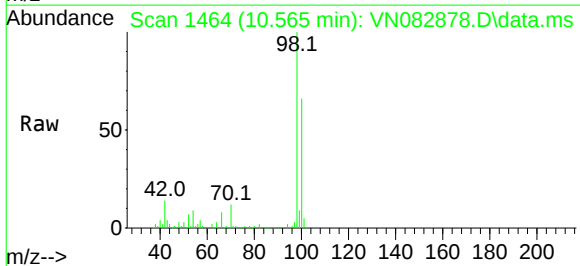
Tgt Ion:	78	Resp:	34102
Ion	Ratio	Lower	Upper
78	100		
77	24.7	19.0	28.4





#50
Toluene-d8
Concen: 49.402 ug/l
RT: 10.565 min Scan# 1465
Delta R.T. -0.005 min
Lab File: VN082878.D
Acq: 11 Jul 2024 15:56

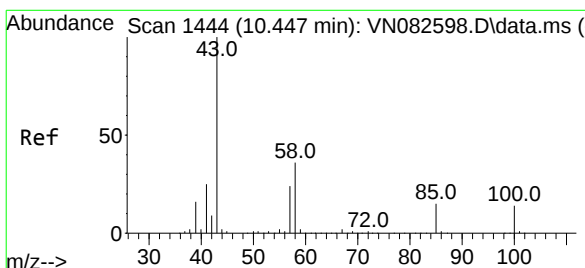
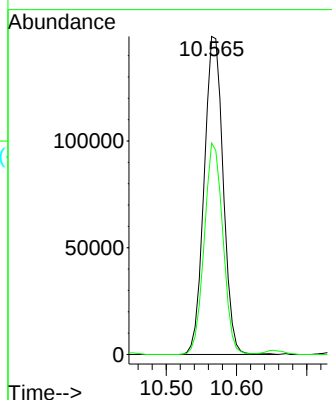
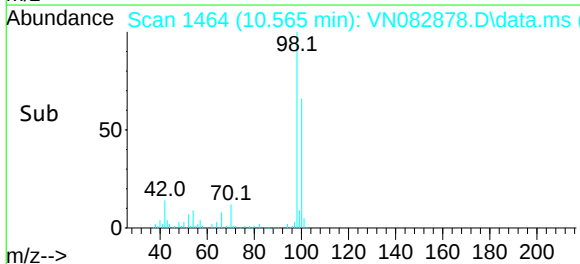
Instrument :
MSVOA_N
ClientSampleId :
240710076-02-VOA



Tgt Ion: 98 Resp: 279786
Ion Ratio Lower Upper
98 100
100 65.1 51.5 77.3

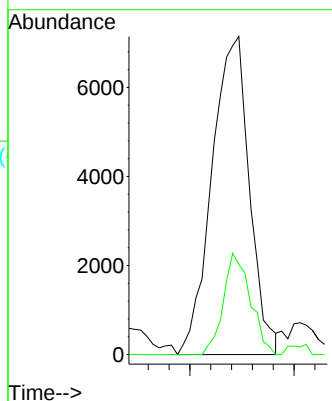
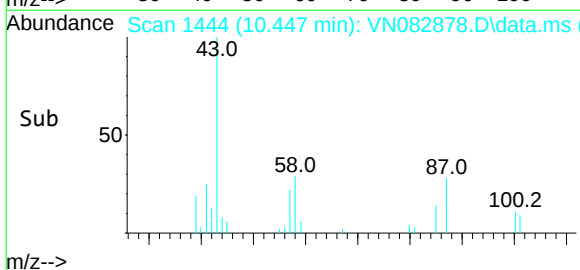
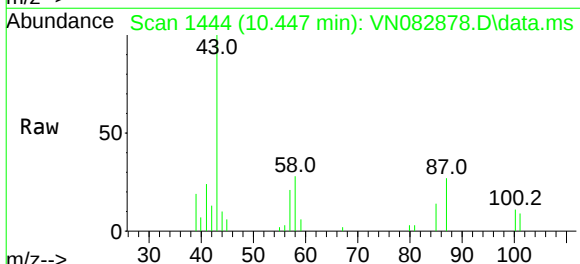
Manual Integrations
APPROVED

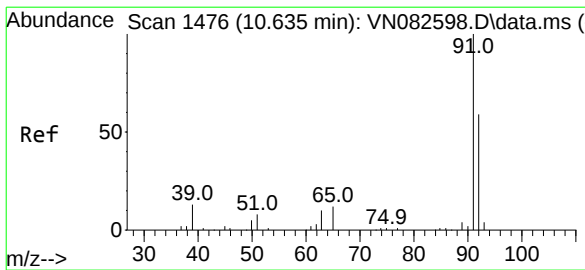
Reviewed By :John Carlone 07/12/2024
Supervised By :Mahesh Dadoda 07/12/2024



#51
4-Methyl-2-Pentanone
Concen: 8.391 ug/l m
RT: 10.447 min Scan# 1444
Delta R.T. -0.000 min
Lab File: VN082878.D
Acq: 11 Jul 2024 15:56

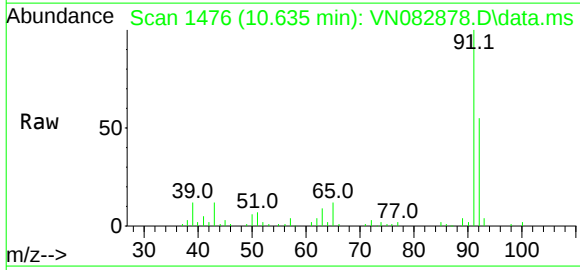
Tgt Ion: 43 Resp: 17905
Ion Ratio Lower Upper
43 100
58 15.9 28.2 42.4#





#52
Toluene
Concen: 11.017 ug/l
RT: 10.635 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VN082878.D
Acq: 11 Jul 2024 15:56

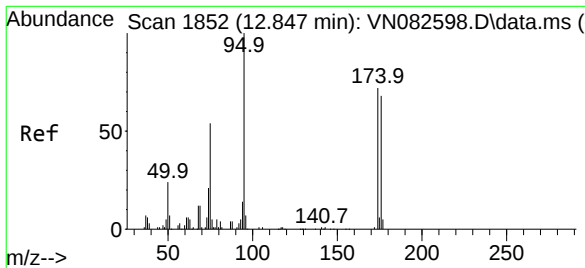
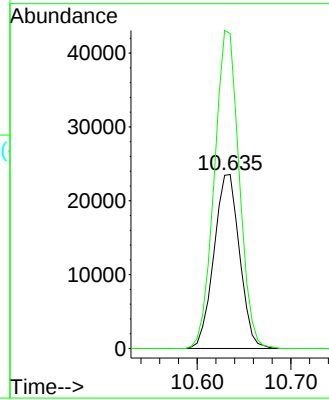
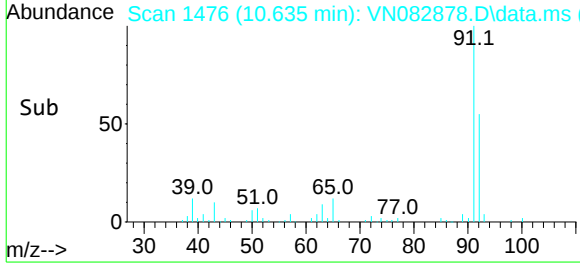
Instrument :
MSVOA_N
ClientSampleId :
240710076-02-VOA



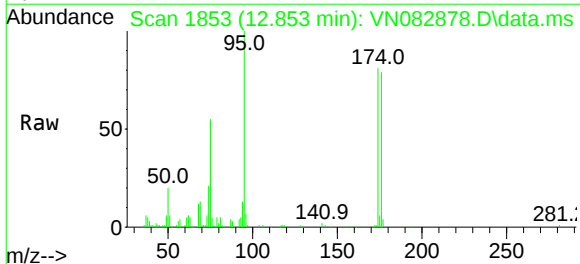
Tgt Ion: 92 Resp: 44754
Ion Ratio Lower Upper
92 100
91 177.7 139.4 209.0

Manual Integrations
APPROVED

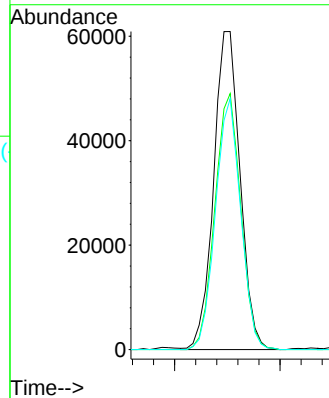
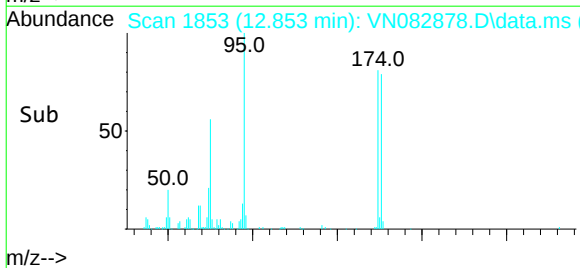
Reviewed By :John Carlone 07/12/2024
Supervised By :Mahesh Dadoda 07/12/2024

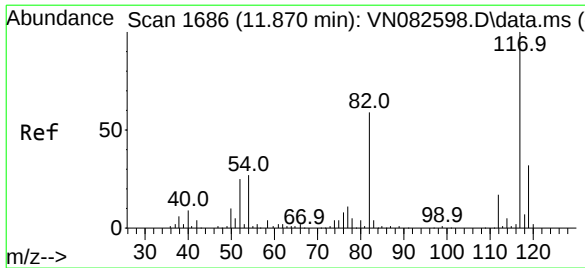


#62
4-Bromofluorobenzene
Concen: 52.103 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN082878.D
Acq: 11 Jul 2024 15:56



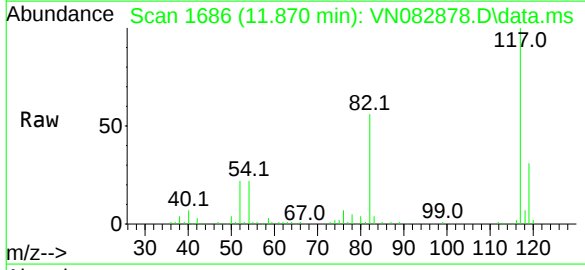
Tgt Ion: 95 Resp: 105997
Ion Ratio Lower Upper
95 100
174 78.9 0.0 159.2
176 75.3 0.0 147.6





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VN082878.D
Acq: 11 Jul 2024 15:56

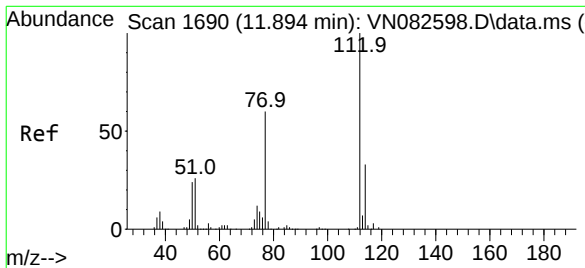
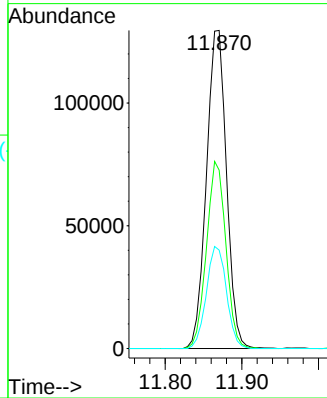
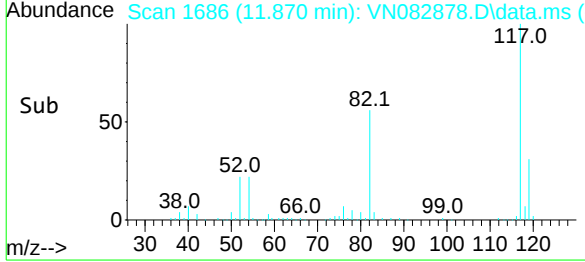
Instrument :
MSVOA_N
ClientSampleId :
240710076-02-VOA



Tgt Ion	Ratio	Lower	Upper
117	100		
82	56.1	47.5	71.3
119	30.9	25.6	38.4

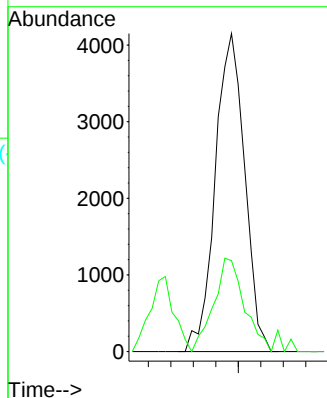
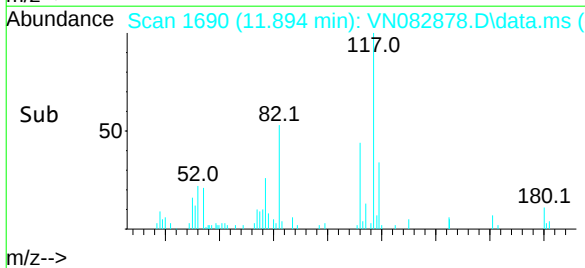
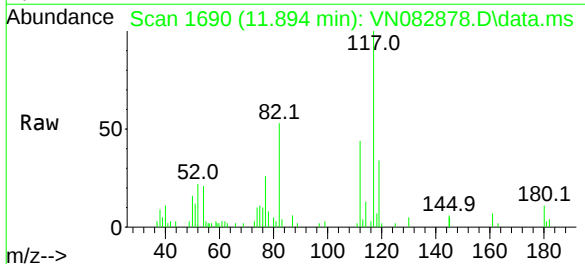
Manual Integrations
APPROVED

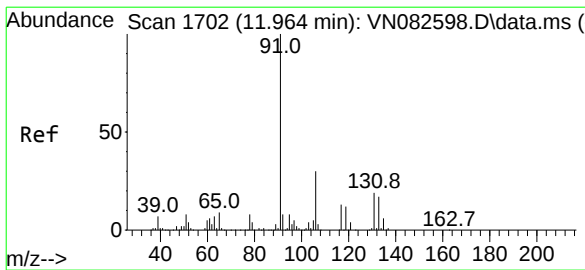
Reviewed By :John Carlone 07/12/2024
Supervised By :Mahesh Dadoda 07/12/2024



#65
Chlorobenzene
Concen: 1.492 ug/l
RT: 11.894 min Scan# 1690
Delta R.T. -0.000 min
Lab File: VN082878.D
Acq: 11 Jul 2024 15:56

Tgt Ion	Ratio	Lower	Upper
112	100		
114	21.9	26.2	39.2





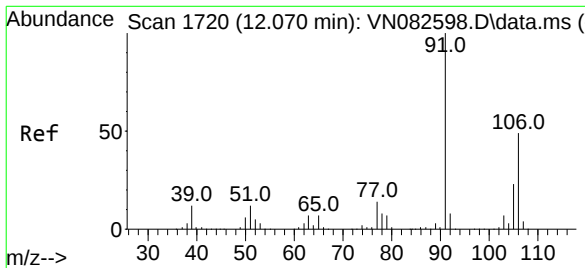
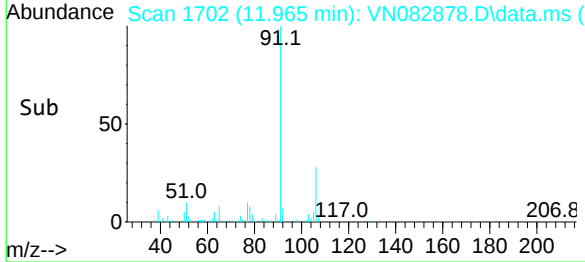
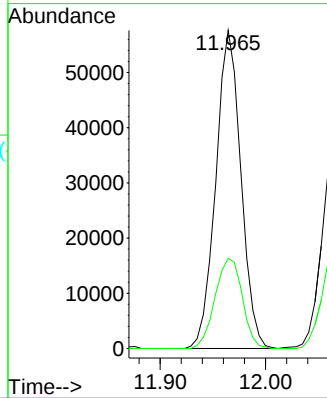
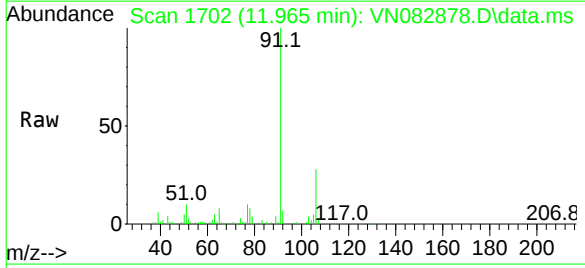
#67
Ethyl Benzene
Concen: 11.235 ug/l
RT: 11.965 min Scan# 1719
Delta R.T. 0.001 min
Lab File: VN082878.D
Acq: 11 Jul 2024 15:56

Instrument :
MSVOA_N
ClientSampleId :
240710076-02-VOA

Tgt Ion: 91 Resp: 95292
Ion Ratio Lower Upper
91 100
106 28.4 24.0 36.0

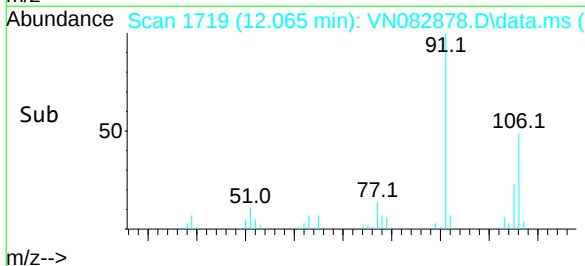
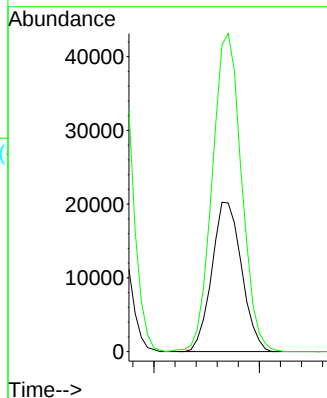
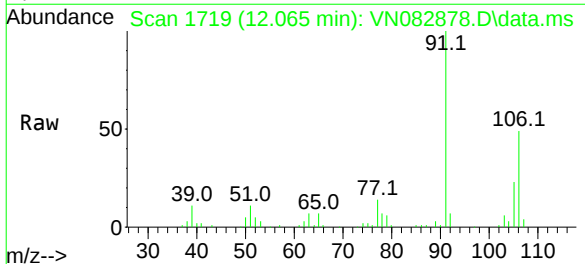
Manual Integrations
APPROVED

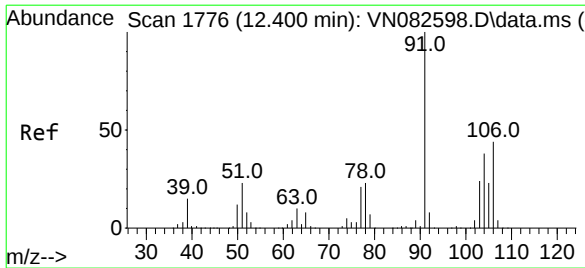
Reviewed By :John Carlone 07/12/2024
Supervised By :Mahesh Dadoda 07/12/2024



#68
m/p-Xylenes
Concen: 12.398 ug/l
RT: 12.065 min Scan# 1719
Delta R.T. -0.005 min
Lab File: VN082878.D
Acq: 11 Jul 2024 15:56

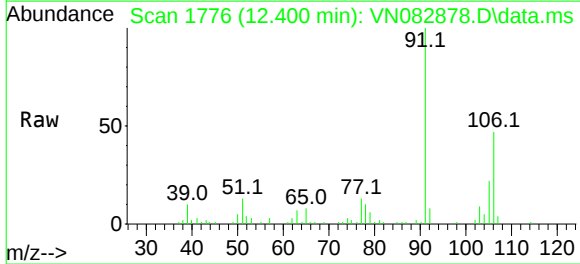
Tgt Ion:106 Resp: 39701
Ion Ratio Lower Upper
106 100
91 209.4 166.1 249.1





#69
o-Xylene
Concen: 6.779 ug/l
RT: 12.400 min Scan# 1776
Delta R.T. -0.000 min
Lab File: VN082878.D
Acq: 11 Jul 2024 15:56

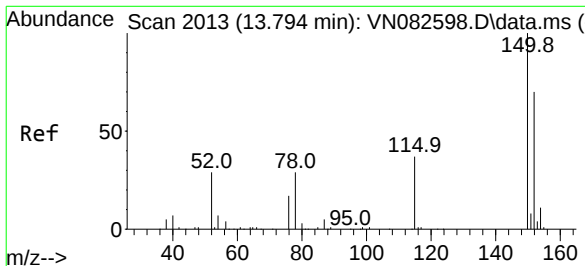
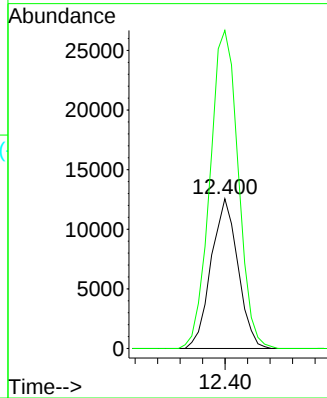
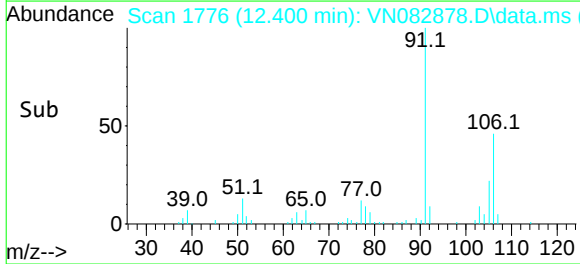
Instrument :
MSVOA_N
ClientSampleId :
240710076-02-VOA



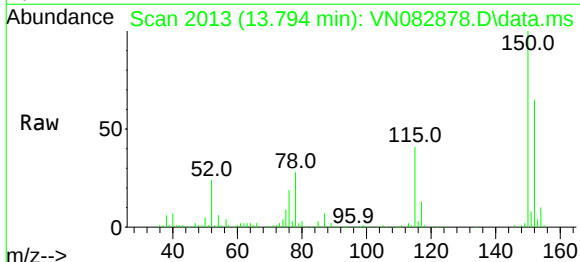
Tgt Ion:106 Resp: 20801
Ion Ratio Lower Upper
106 100
91 224.2 111.3 333.9

Manual Integrations
APPROVED

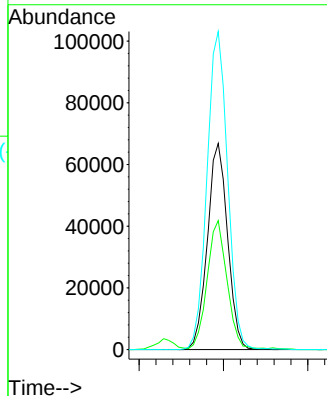
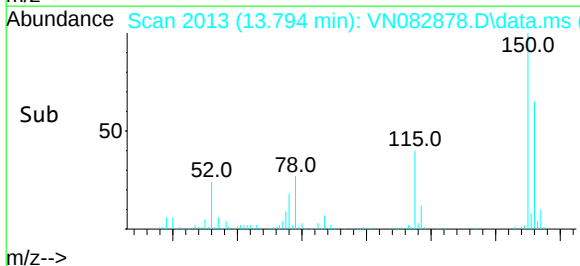
Reviewed By :John Carlone 07/12/2024
Supervised By :Mahesh Dadoda 07/12/2024

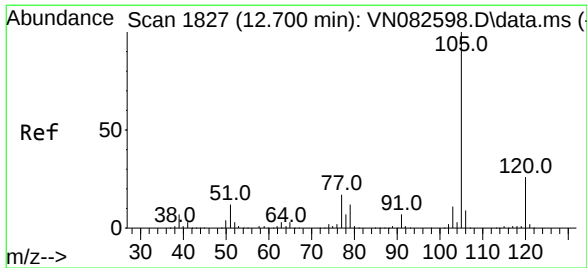


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. -0.000 min
Lab File: VN082878.D
Acq: 11 Jul 2024 15:56



Tgt Ion:152 Resp: 111169
Ion Ratio Lower Upper
152 100
115 60.5 30.6 91.6
150 157.7 0.0 348.6





#73

Isopropylbenzene

Concen: 1.191 ug/l

RT: 12.694 min Scan# 1826

Delta R.T. -0.006 min

Lab File: VN082878.D

Acq: 11 Jul 2024 15:56

Instrument :

MSVOA_N

ClientSampleId :

240710076-02-VOA

Tgt Ion:105 Resp: 9617

Ion Ratio Lower Upper

105 100

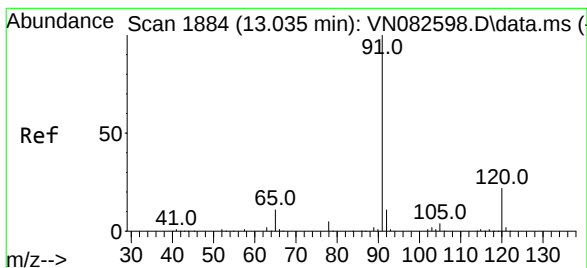
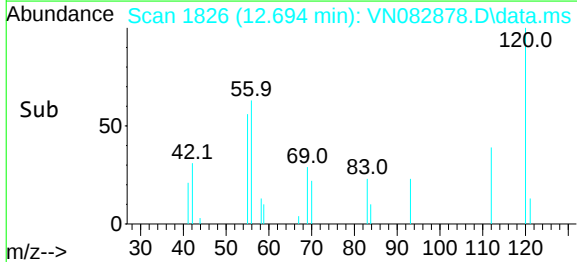
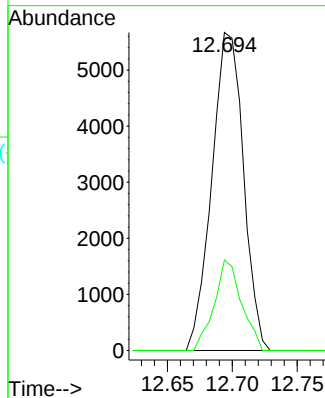
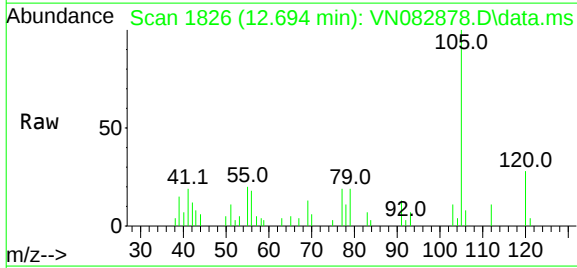
120 24.6 12.9 38.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/12/2024

Supervised By :Mahesh Dadoda 07/12/2024



#78

n-propylbenzene

Concen: 0.541 ug/l

RT: 13.035 min Scan# 1884

Delta R.T. 0.000 min

Lab File: VN082878.D

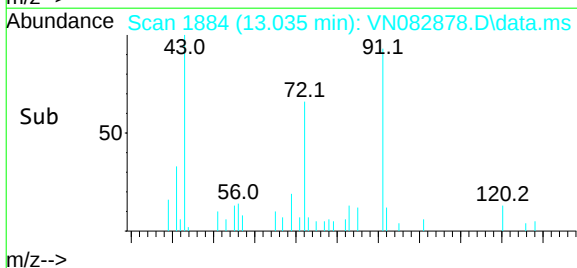
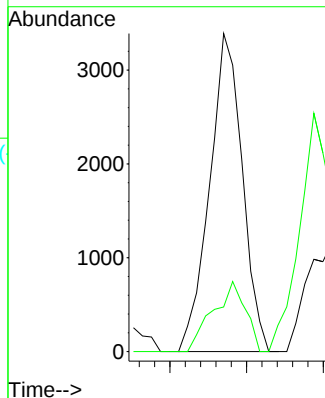
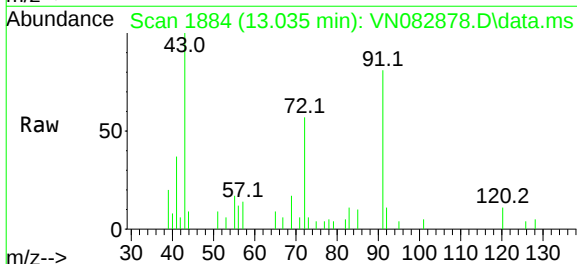
Acq: 11 Jul 2024 15:56

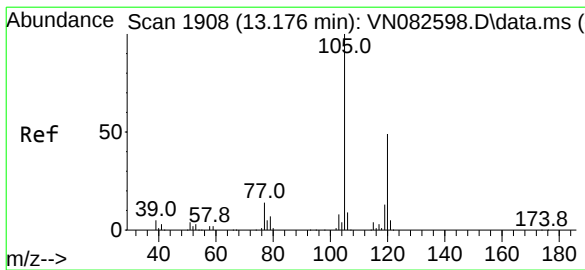
Tgt Ion: 91 Resp: 5022

Ion Ratio Lower Upper

91 100

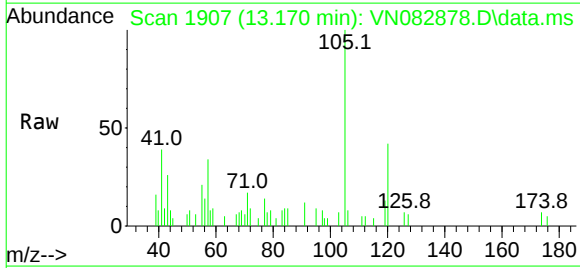
120 21.8 10.9 32.9





#80
1,3,5-Trimethylbenzene
Concen: 0.998 ug/l
RT: 13.170 min Scan# 1908
Delta R.T. -0.006 min
Lab File: VN082878.D
Acq: 11 Jul 2024 15:56

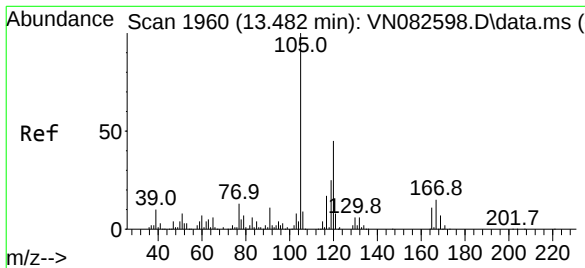
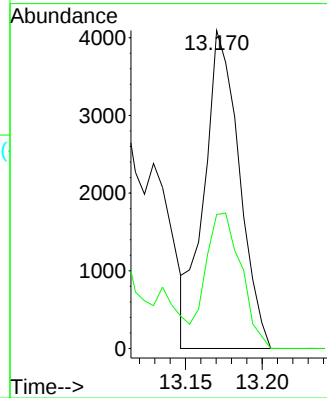
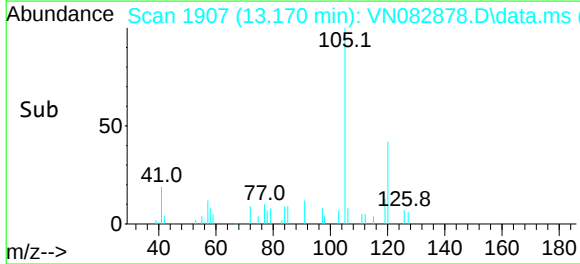
Instrument :
MSVOA_N
ClientSampleId :
240710076-02-VOA



Tgt Ion:105 Resp: 6518
Ion Ratio Lower Upper
105 100
120 42.9 24.3 72.8

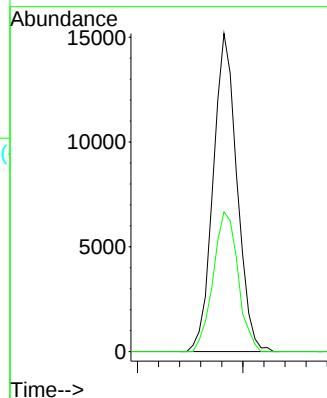
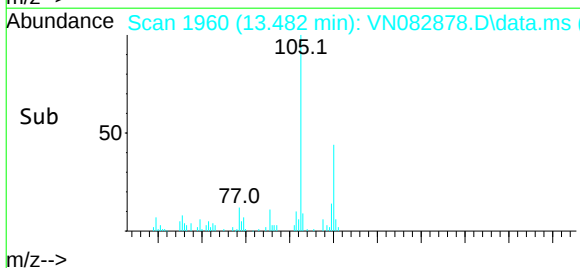
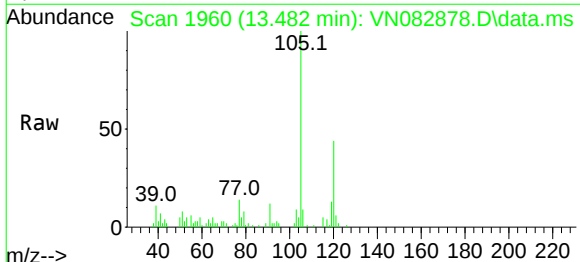
Manual Integrations
APPROVED

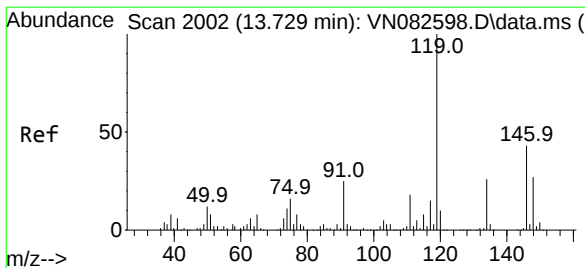
Reviewed By :John Carlone 07/12/2024
Supervised By :Mahesh Dadoda 07/12/2024



#84
1,2,4-Trimethylbenzene
Concen: 3.575 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. 0.000 min
Lab File: VN082878.D
Acq: 11 Jul 2024 15:56

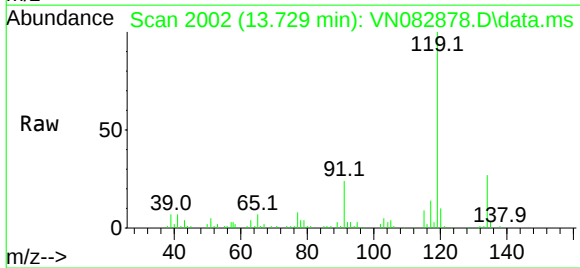
Tgt Ion:105 Resp: 23794
Ion Ratio Lower Upper
105 100
120 45.8 21.9 65.8





#86
p-Isopropyltoluene
Concen: 9.526 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. 0.000 min
Lab File: VN082878.D
Acq: 11 Jul 2024 15:56

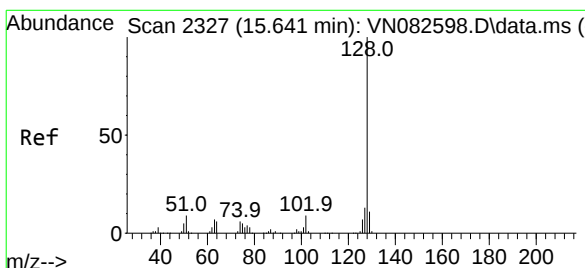
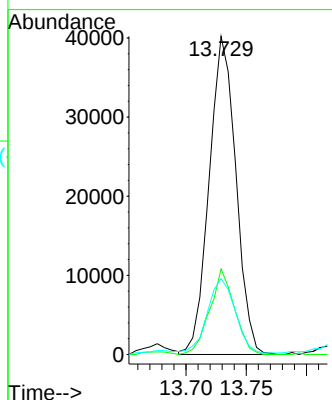
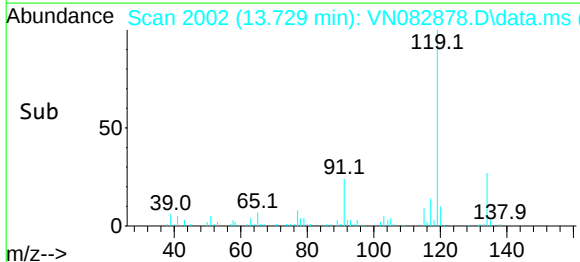
Instrument :
MSVOA_N
ClientSampleId :
240710076-02-VOA



Tgt Ion:119 Resp: 62172
Ion Ratio Lower Upper
119 100
134 24.8 13.0 39.0
91 24.1 12.3 36.9

Manual Integrations
APPROVED

Reviewed By :John Carlone 07/12/2024
Supervised By :Mahesh Dadoda 07/12/2024



#95
Naphthalene
Concen: 21.665 ug/l
RT: 15.641 min Scan# 2327
Delta R.T. -0.000 min
Lab File: VN082878.D
Acq: 11 Jul 2024 15:56

Tgt Ion:128 Resp: 146100
Ion Ratio Lower Upper
128 100
127 12.7 10.6 16.0
129 10.7 8.6 12.8

