

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122822\
 Data File : VN075998.D
 Acq On : 28 Dec 2022 14:33
 Operator : JC\MD
 Sample : N6213-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 SB-1

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 12/29/2022
 Supervised By : Mahesh Dadoda 12/31/2022

Quant Time: Dec 29 04:51:09 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121422W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 14 13:03:41 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.229	168	339735	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	535067	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	494601	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	256874	50.000	ug/l	# 0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	191300	51.759	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 103.520%			
35) Dibromofluoromethane	8.171	113	155353	46.884	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 93.760%			
50) Toluene-d8	10.570	98	644729	52.040	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 104.080%			
62) 4-Bromofluorobenzene	12.853	95	231513	56.420	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 112.840%			
Target Compounds					Qvalue	
11) Tert butyl alcohol	5.530	59	6768	12.941	ug/l #	78
16) Acetone	4.447	43	102392	80.365	ug/l	99
18) Methyl Acetate	5.047	43	6533	1.735	ug/l #	85
20) Methylene Chloride	5.294	84	18481	4.844	ug/l #	81
25) 2-Butanone	7.500	43	43572	24.424	ug/l #	87
31) Cyclohexane	8.265	56	53088	10.029	ug/l	89
37) Ethyl Acetate	7.571	43	33783	9.555	ug/l	98
39) Methylcyclohexane	9.606	83	37050	6.977	ug/l	94
40) Benzene	8.606	78	21859017	1609.523	ug/l	94
43) Isopropyl Acetate	8.694	43	221649m	38.003	ug/l	
51) 4-Methyl-2-Pentanone	10.453	43	715463	202.842	ug/l	99
52) Toluene	10.635	92	13535629	1530.318	ug/l	77
67) Ethyl Benzene	11.964	91	2096384	122.357	ug/l	99
68) m/p-Xylenes	12.070	106	5118112	754.735	ug/l	99
69) o-Xylene	12.406	106	5230804	779.453	ug/l	99
70) Styrene	12.412	104	2183569	204.640	ug/l #	66
73) Isopropylbenzene	12.700	105	147033	7.921	ug/l	99
78) n-propylbenzene	13.041	91	306453	14.968	ug/l	97
80) 1,3,5-Trimethylbenzene	13.176	105	1513270	97.403	ug/l	99
84) 1,2,4-Trimethylbenzene	13.488	105	4504420	292.258	ug/l	96
85) sec-Butylbenzene	13.623	105	24438m	1.293	ug/l	
86) p-Isopropyltoluene	13.729	119	48125m	3.059	ug/l	
89) n-Butylbenzene	14.058	91	21065	1.653	ug/l #	71
95) Naphthalene	15.635	128	22320644m	1529.260	ug/l	

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

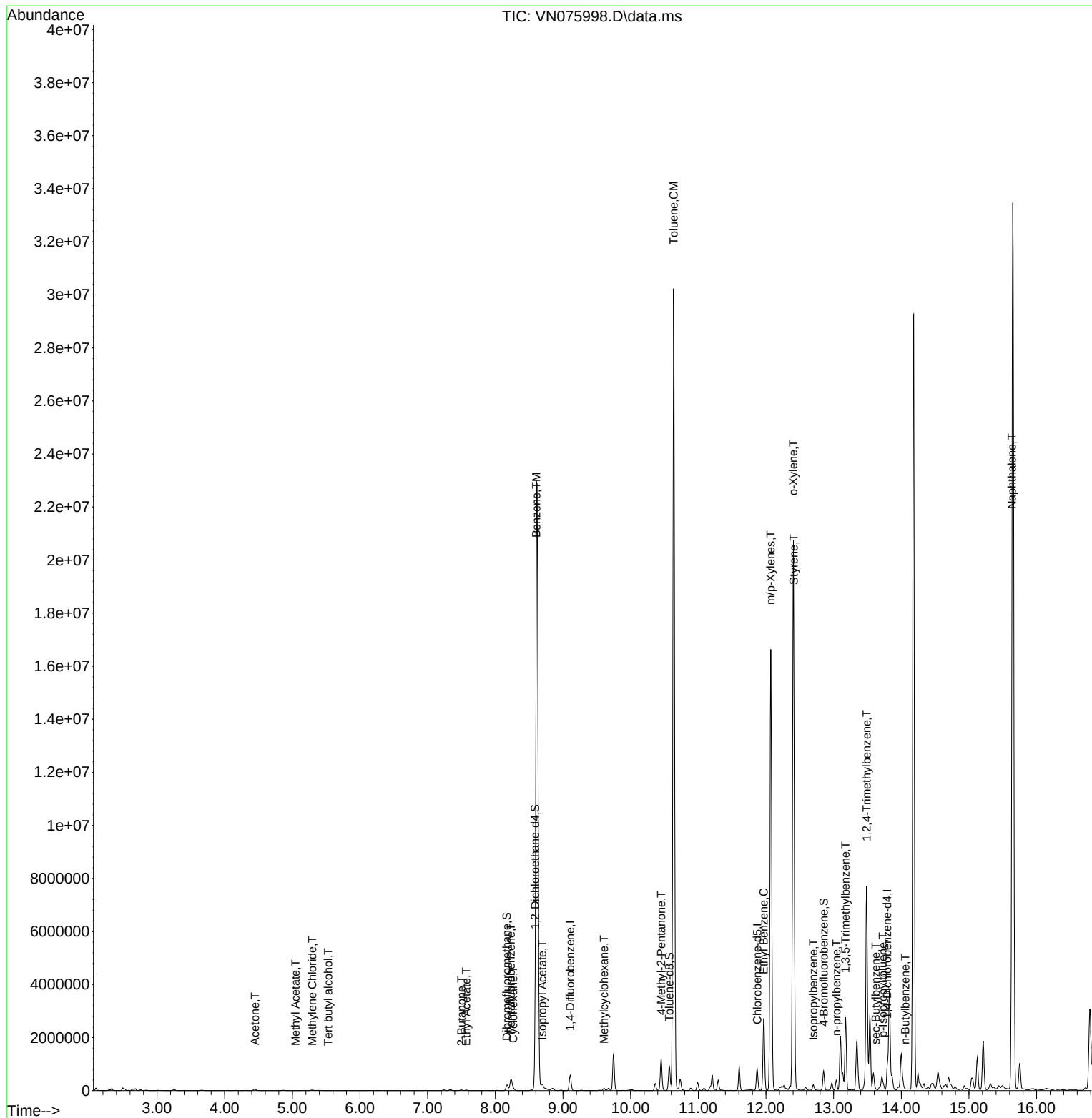
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN122822\
Data File : VN075998.D
Acq On : 28 Dec 2022 14:33
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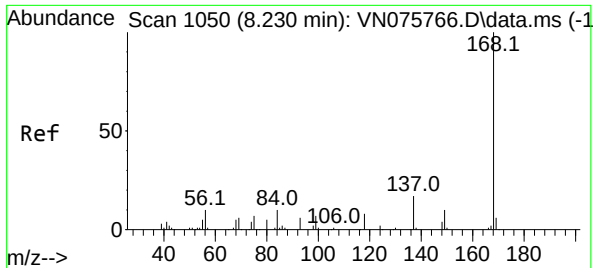
Instrument :
MSVOA_N
ClientSampleId :
SB-1

Quant Time: Dec 29 04:51:09 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N121422W.M
Quant Title : SW846 8260
QLast Update : Wed Dec 14 13:03:41 2022
Response via : Initial Calibration

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APPROVED

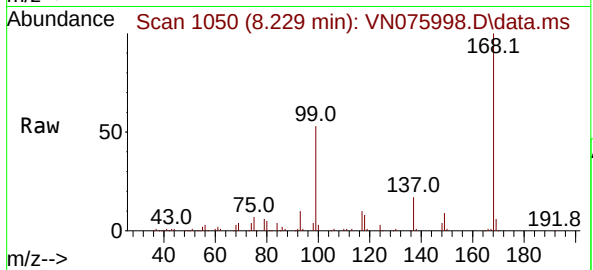
Reviewed By :Semsettin Yesilyurt 12/29/2022
Supervised By :Mahesh Dadoda 12/31/2022





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.229 min Scan# 1050
Delta R.T. -0.001 min
Lab File: VN075998.D
Acq: 28 Dec 2022 14:33

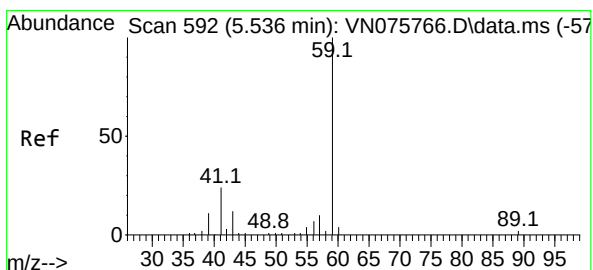
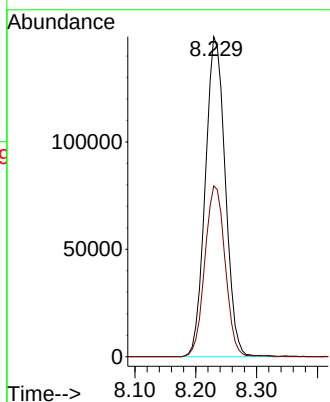
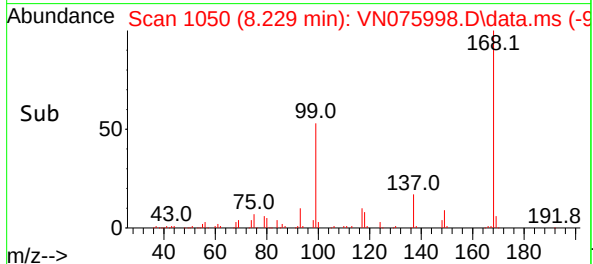
Instrument :
MSVOA_N
ClientSampleId :
SB-1



Tgt Ion:168 Resp: 339738
Ion Ratio Lower Upper
168 100
99 53.4 44.2 66.4

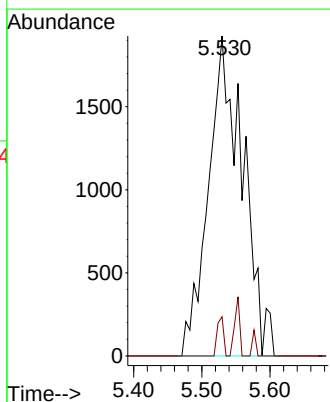
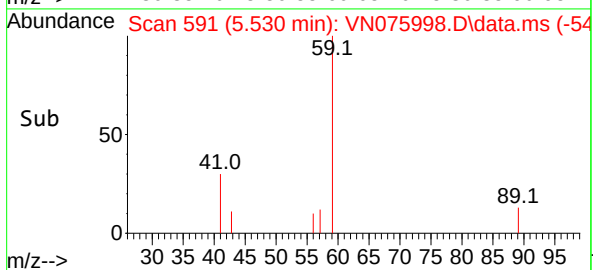
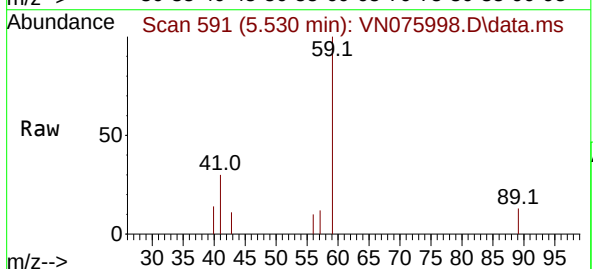
Manual Integrations
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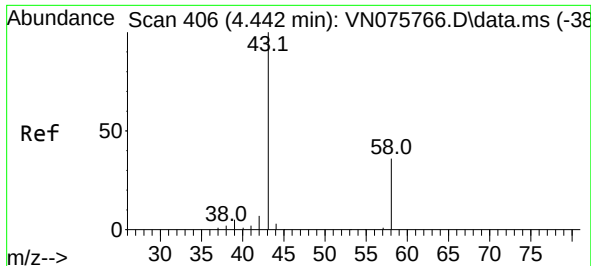
Reviewed By :Semsettin Yesilyurt 12/29/2022
Supervised By :Mahesh Dadoda 12/31/2022



#11
Tert butyl alcohol
Concen: 12.941 ug/l
RT: 5.530 min Scan# 591
Delta R.T. -0.006 min
Lab File: VN075998.D
Acq: 28 Dec 2022 14:33

Tgt Ion: 59 Resp: 6768
Ion Ratio Lower Upper
59 100
57 2.3 8.2 12.4#





#16

Acetone

Concen: 80.365 ug/l

RT: 4.447 min Scan# 406

Delta R.T. 0.006 min

Lab File: VN075998.D

Acq: 28 Dec 2022 14:33

Instrument :

MSVOA_N

ClientSampleId :

SB-1

Tgt Ion: 43 Resp: 102392

Ion Ratio Lower Upper

43 100

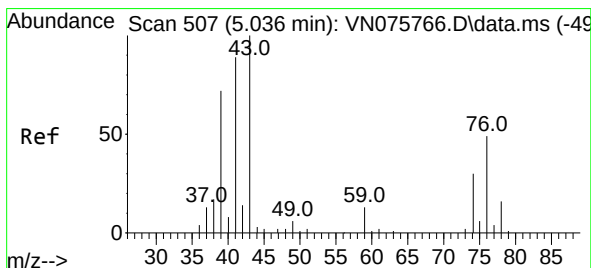
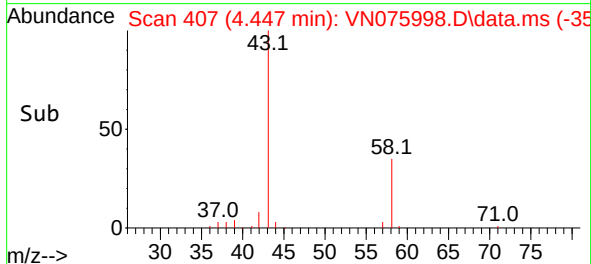
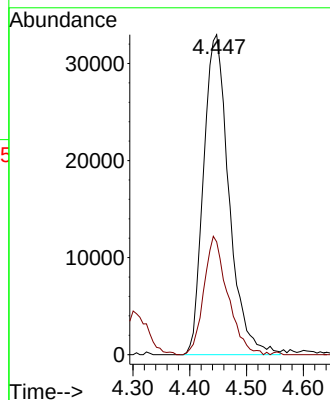
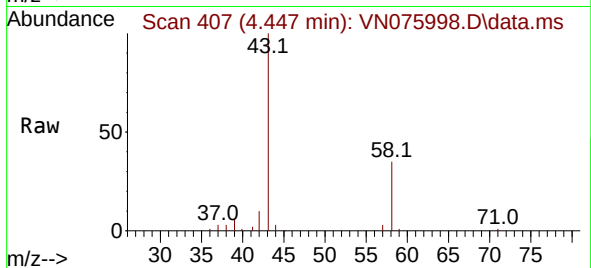
58 35.3 28.6 43.0

Manual Integrations

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#18

Methyl Acetate

Concen: 1.735 ug/l

RT: 5.047 min Scan# 509

Delta R.T. 0.012 min

Lab File: VN075998.D

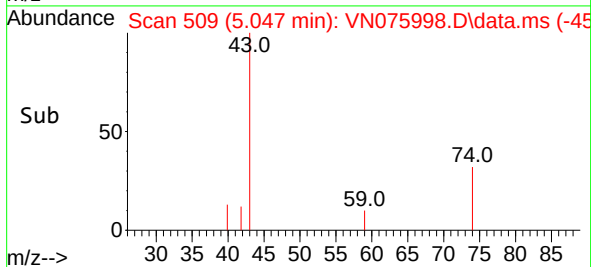
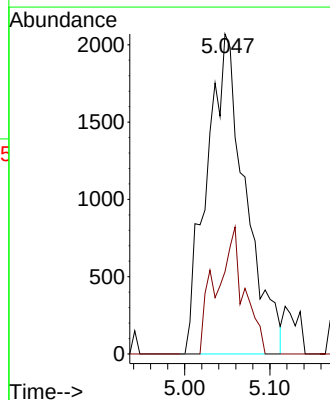
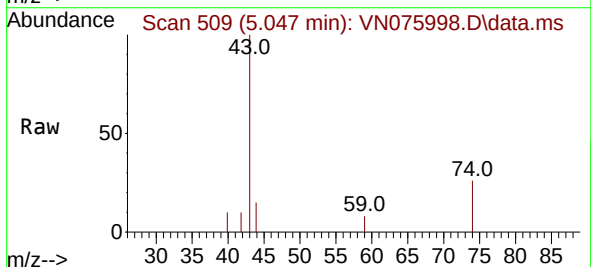
Acq: 28 Dec 2022 14:33

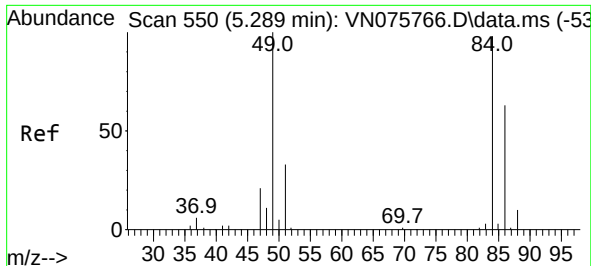
Tgt Ion: 43 Resp: 6533

Ion Ratio Lower Upper

43 100

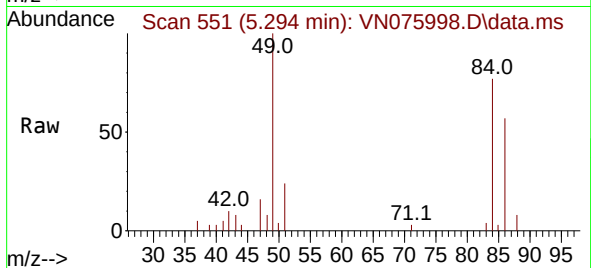
74 21.5 23.6 35.4#





#20
Methylene Chloride
Concen: 4.844 ug/l
RT: 5.294 min Scan# 51
Delta R.T. 0.005 min
Lab File: VN075998.D
Acq: 28 Dec 2022 14:33

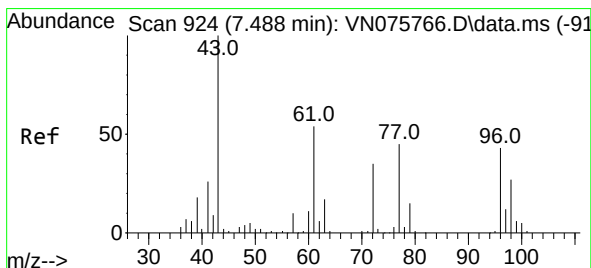
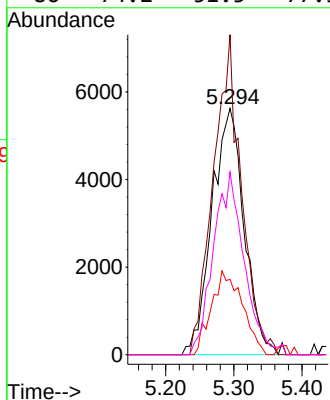
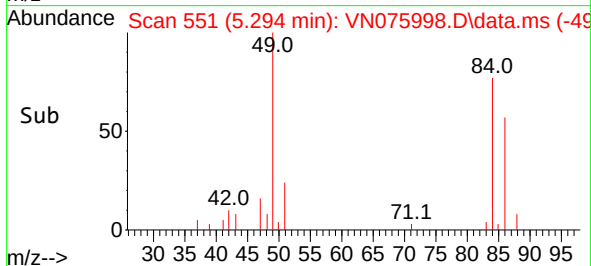
Instrument :
MSVOA_N
ClientSampleId :
SB-1



Tgt Ion: 84 Resp: 1848
Ion Ratio Lower Upper
84 100
49 130.0 81.8 122.6
51 30.6 26.7 40.1
86 74.2 51.5 77.3

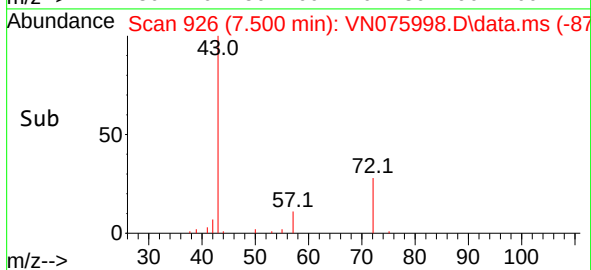
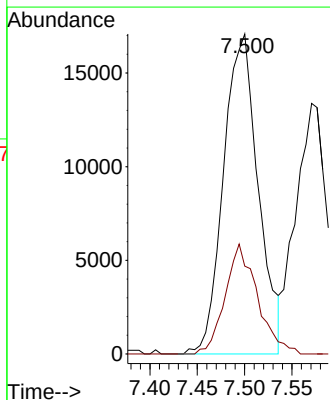
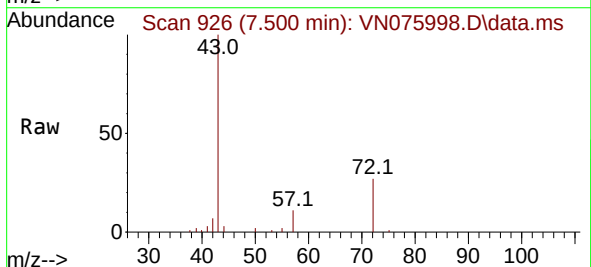
Manual Integrations
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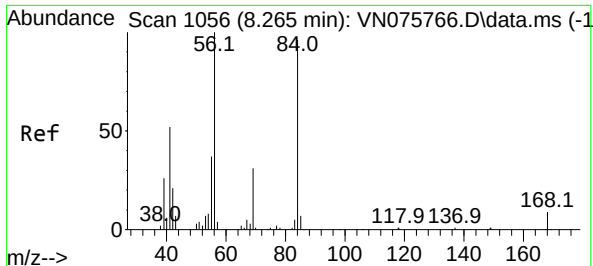
Reviewed By :Semsettin Yesilyurt 12/29/2022
Supervised By :Mahesh Dadoda 12/31/2022



#25
2-Butanone
Concen: 24.424 ug/l
RT: 7.500 min Scan# 926
Delta R.T. 0.012 min
Lab File: VN075998.D
Acq: 28 Dec 2022 14:33

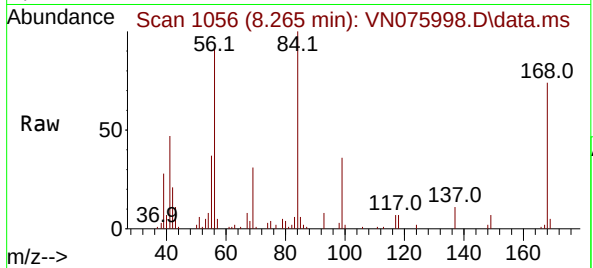
Tgt Ion: 43 Resp: 43572
Ion Ratio Lower Upper
43 100
72 27.4 28.0 42.0#





#31
Cyclohexane
Concen: 10.029 ug/l
RT: 8.265 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VN075998.D
Acq: 28 Dec 2022 14:33

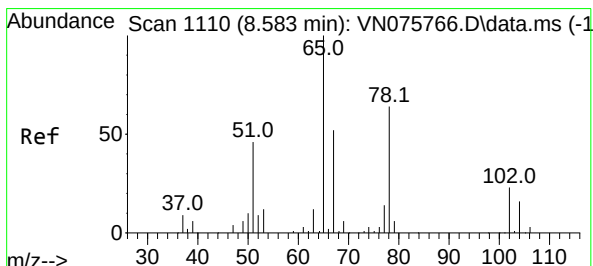
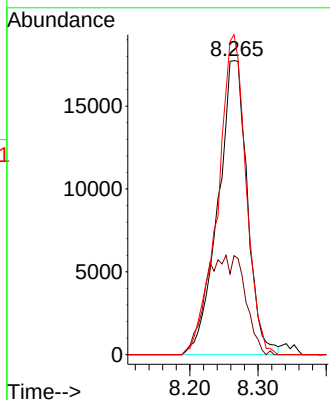
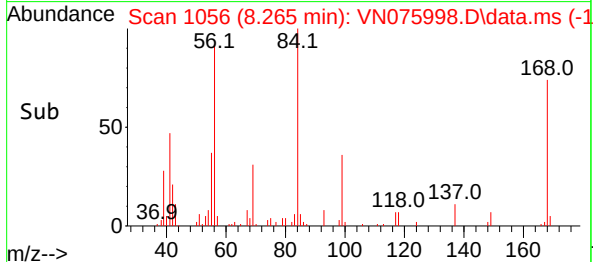
Instrument :
MSVOA_N
ClientSampleId :
SB-1



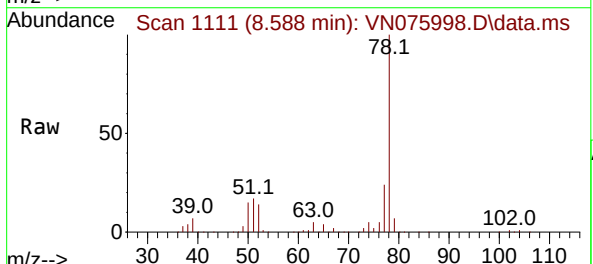
Tgt Ion: 56 Resp: 5308
Ion Ratio Lower Upper
56 100
69 33.7 24.7 37.1
84 108.8 76.5 114.7

Manual Integrations
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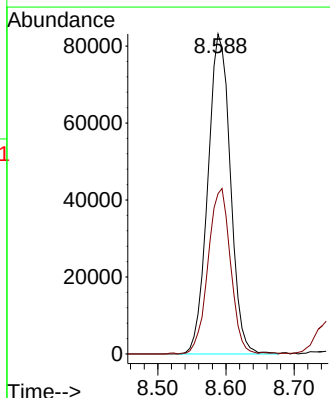
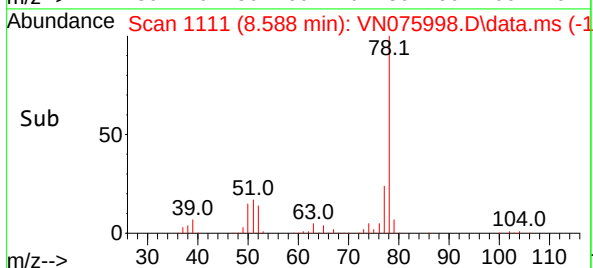
Reviewed By :Semsettin Yesilyurt 12/29/2022
Supervised By :Mahesh Dadoda 12/31/2022

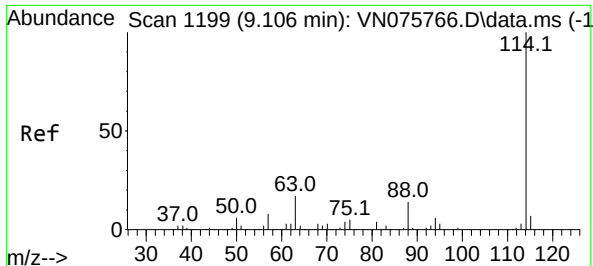


#33
1,2-Dichloroethane-d4
Concen: 51.759 ug/l
RT: 8.588 min Scan# 1111
Delta R.T. 0.006 min
Lab File: VN075998.D
Acq: 28 Dec 2022 14:33



Tgt Ion: 65 Resp: 191300
Ion Ratio Lower Upper
65 100
67 51.5 0.0 103.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1199

Delta R.T. -0.000 min

Lab File: VN075998.D

Acq: 28 Dec 2022 14:33

Instrument :

MSVOA_N

ClientSampleId :

SB-1

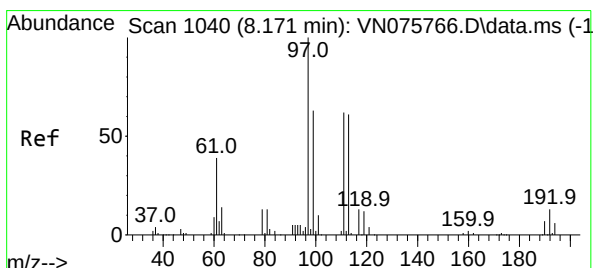
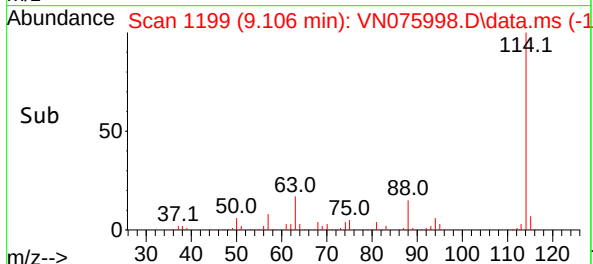
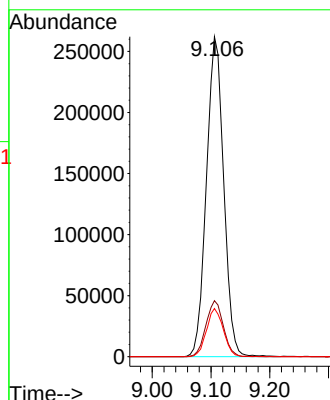
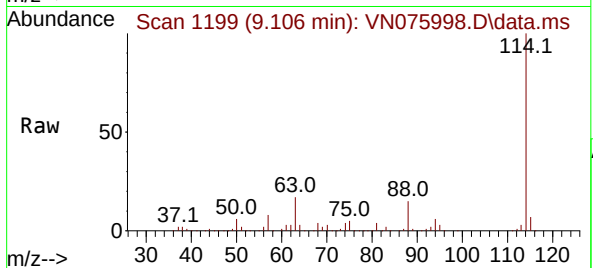
Tgt Ion:114 Resp: 53506

Ion	Ratio	Lower	Upper
114	100		
63	17.5	0.0	34.4
88	15.1	0.0	28.8

Manual Integrations

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#35

Dibromofluoromethane

Concen: 46.884 ug/l

RT: 8.171 min Scan# 1040

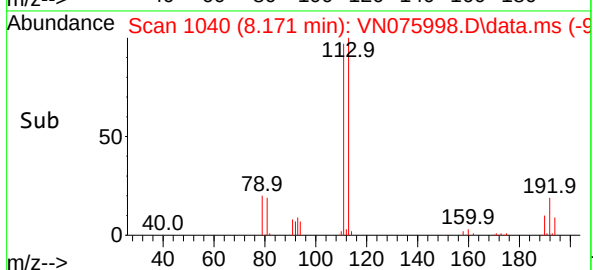
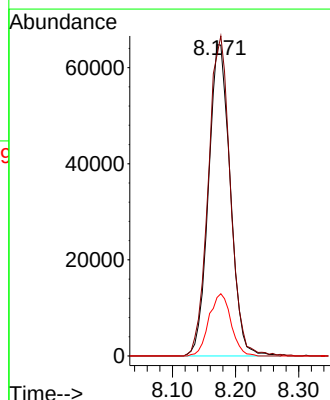
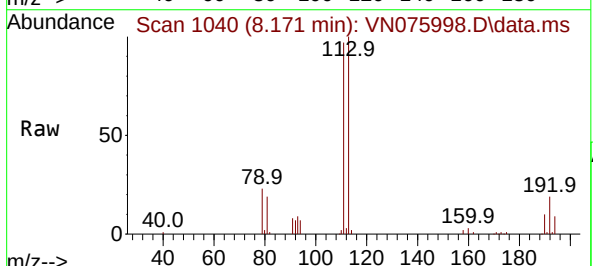
Delta R.T. -0.000 min

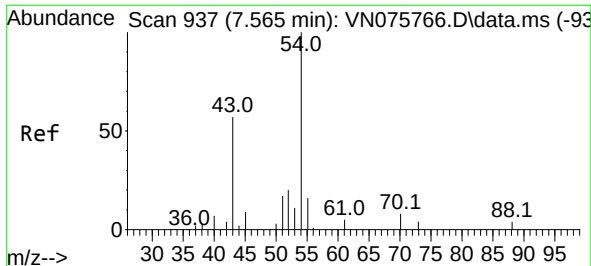
Lab File: VN075998.D

Acq: 28 Dec 2022 14:33

Tgt Ion:113 Resp: 155353

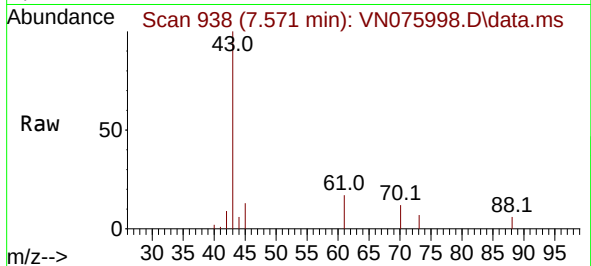
Ion	Ratio	Lower	Upper
113	100		
111	104.3	83.4	125.2
192	20.2	16.1	24.1





#37
Ethyl Acetate
Concen: 9.555 ug/l
RT: 7.571 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN075998.D
Acq: 28 Dec 2022 14:33

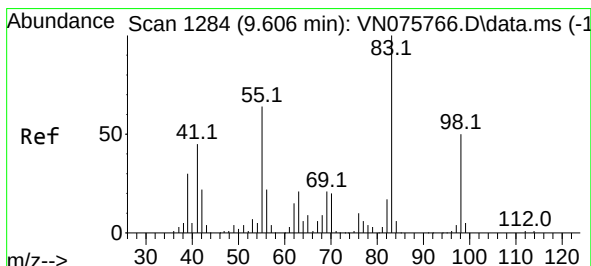
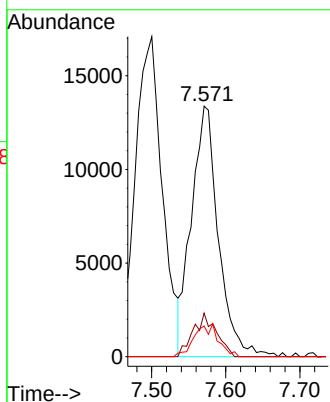
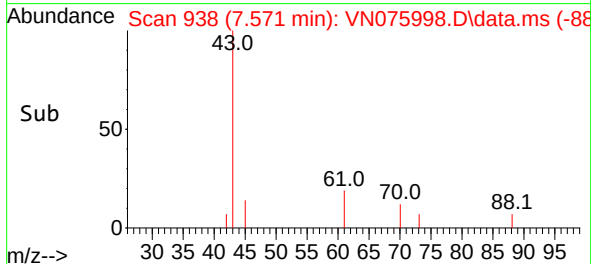
Instrument :
MSVOA_N
ClientSampleId :
SB-1



Tgt Ion: 43 Resp: 3378
Ion Ratio Lower Upper
43 100
61 14.9 13.0 19.4
70 11.6 9.4 14.0

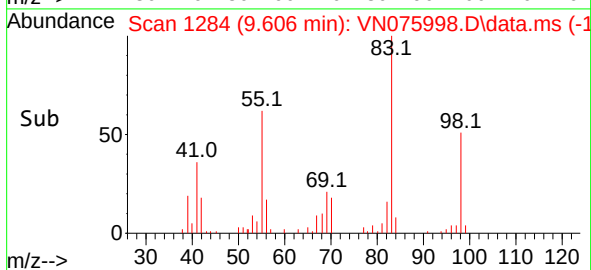
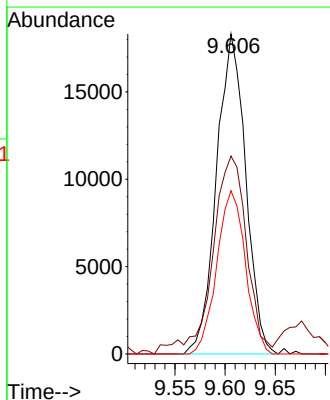
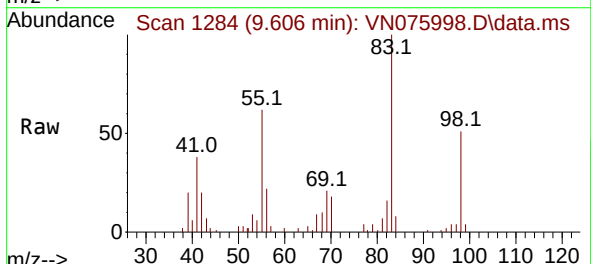
Manual Integrations
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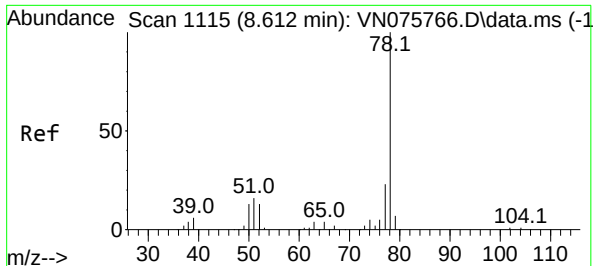
Reviewed By :Semsettin Yesilyurt 12/29/2022
Supervised By :Mahesh Dadoda 12/31/2022



#39
Methylcyclohexane
Concen: 6.977 ug/l
RT: 9.606 min Scan# 1284
Delta R.T. -0.000 min
Lab File: VN075998.D
Acq: 28 Dec 2022 14:33

Tgt Ion: 83 Resp: 37050
Ion Ratio Lower Upper
83 100
55 57.5 51.4 77.0
98 51.0 39.8 59.8





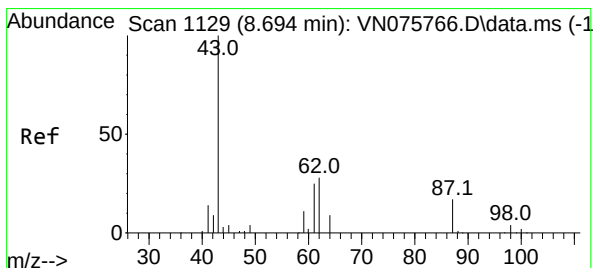
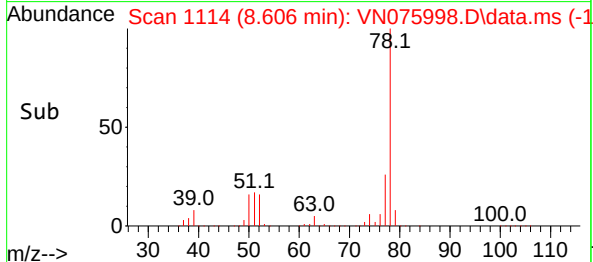
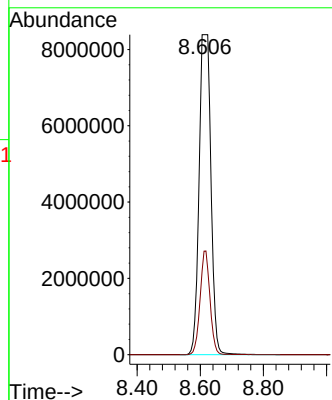
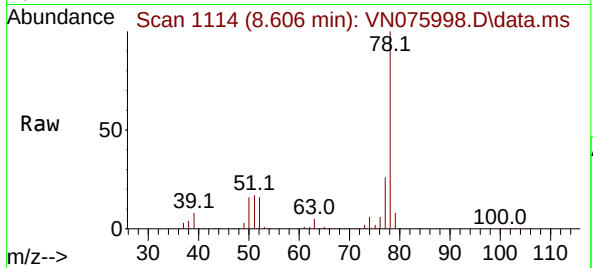
#40
Benzene
Concen: 1609.523 ug/l
RT: 8.606 min Scan# 1114
Delta R.T. -0.006 min
Lab File: VN075998.D
Acq: 28 Dec 2022 14:33

Instrument :
MSVOA_N
ClientSampleId :
SB-1

Tgt Ion: 78 Resp: 2185901
Ion Ratio Lower Upper
78 100
77 26.2 18.5 27.7

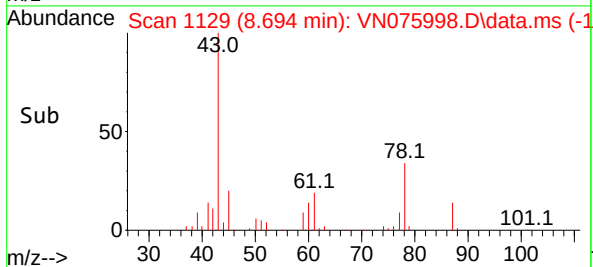
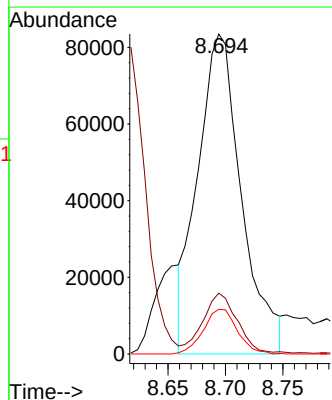
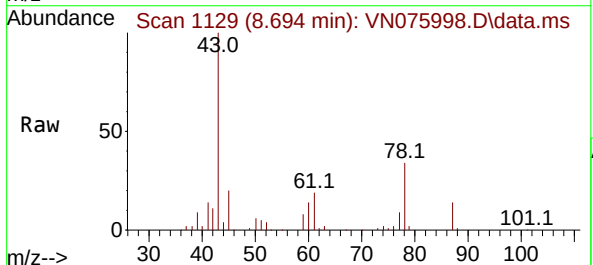
Manual Integrations
APPROVED

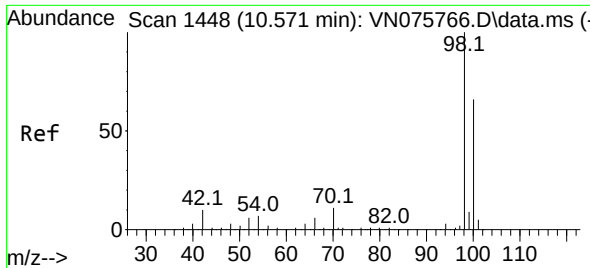
Reviewed By : Semsettin Yesilyurt 12/29/2022
Supervised By : Mahesh Dadoda 12/31/2022



#43
Isopropyl Acetate
Concen: 38.003 ug/l m
RT: 8.694 min Scan# 1129
Delta R.T. -0.000 min
Lab File: VN075998.D
Acq: 28 Dec 2022 14:33

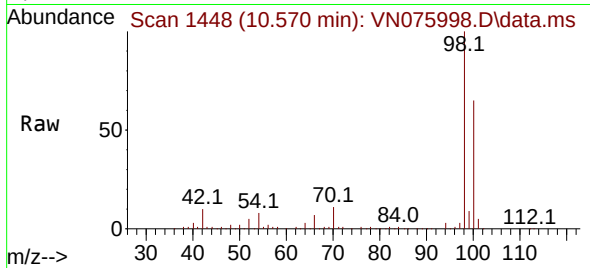
Tgt Ion: 43 Resp: 221649
Ion Ratio Lower Upper
43 100
61 15.0 24.2 36.4#
87 10.9 13.3 19.9#





#50
Toluene-d8
Concen: 52.040 ug/l
RT: 10.570 min Scan# 1448
Delta R.T. -0.000 min
Lab File: VN075998.D
Acq: 28 Dec 2022 14:33

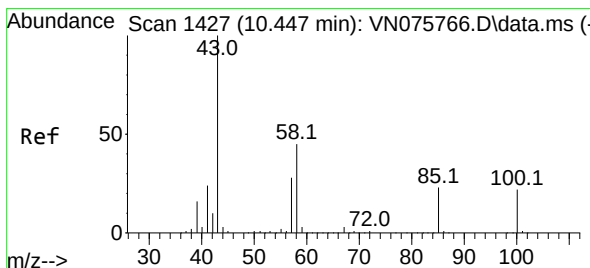
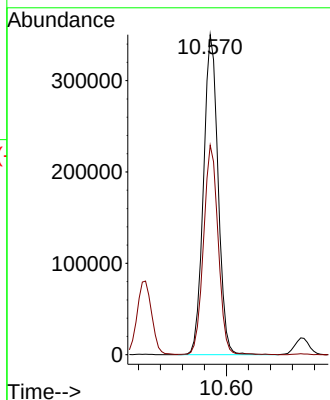
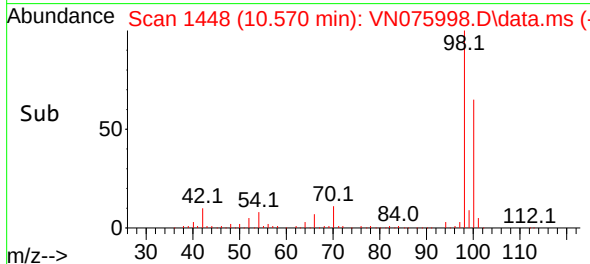
Instrument :
MSVOA_N
ClientSampleId :
SB-1



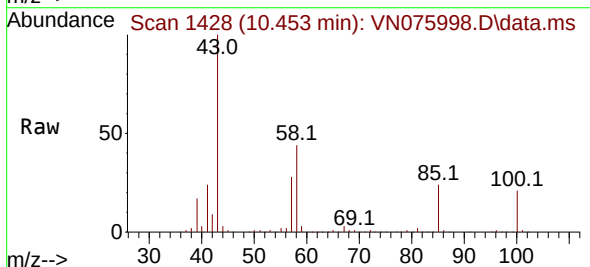
Tgt Ion: 98 Resp: 644729
Ion Ratio Lower Upper
98 100
100 65.7 52.1 78.1

Manual Integrations
APPROVED

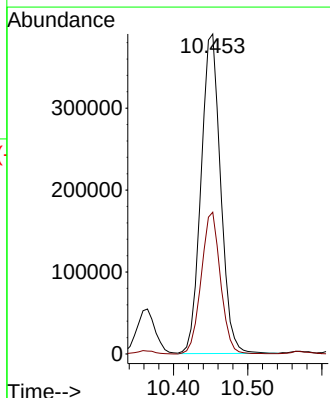
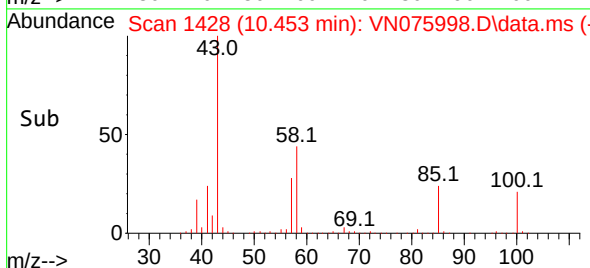
Reviewed By :Semsettin Yesilyurt 12/29/2022
Supervised By :Mahesh Dadoda 12/31/2022

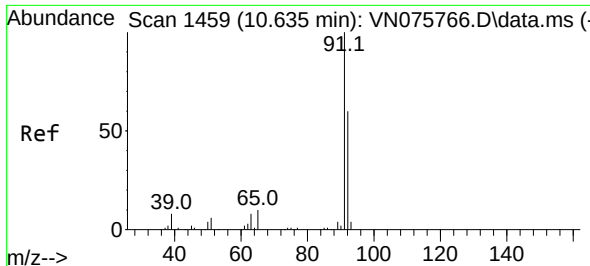


#51
4-Methyl-2-Pentanone
Concen: 202.842 ug/l
RT: 10.453 min Scan# 1428
Delta R.T. 0.006 min
Lab File: VN075998.D
Acq: 28 Dec 2022 14:33



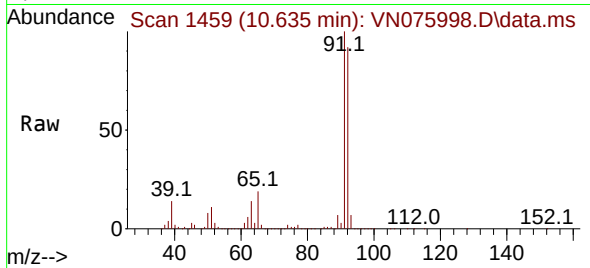
Tgt Ion: 43 Resp: 715463
Ion Ratio Lower Upper
43 100
58 43.7 35.5 53.3





#52
Toluene
Concen: 1530.318 ug/l
RT: 10.635 min Scan# 1459
Delta R.T. -0.000 min
Lab File: VN075998.D
Acq: 28 Dec 2022 14:33

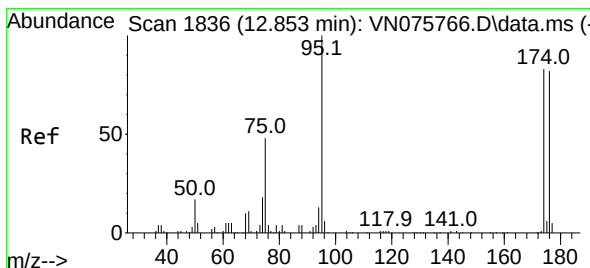
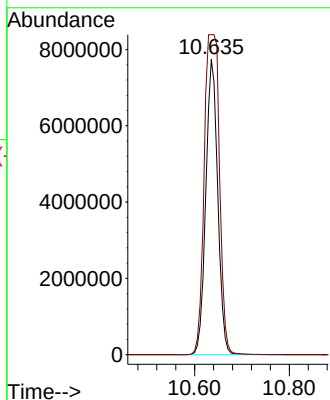
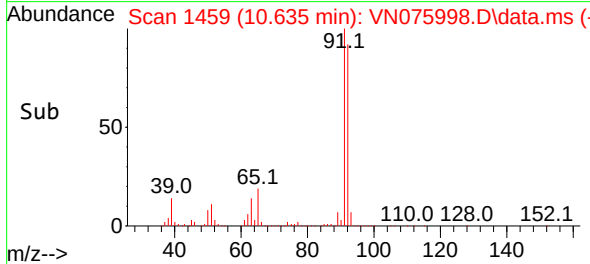
Instrument :
MSVOA_N
ClientSampleId :
SB-1



Tgt Ion: 92 Resp:13535629
Ion Ratio Lower Upper
92 100
91 139.3 137.3 205.9

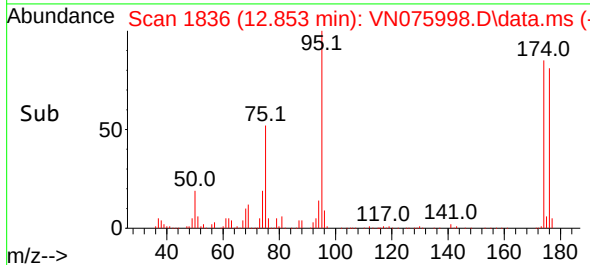
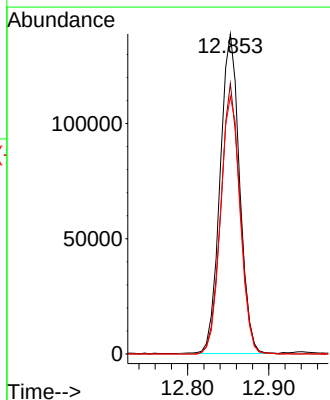
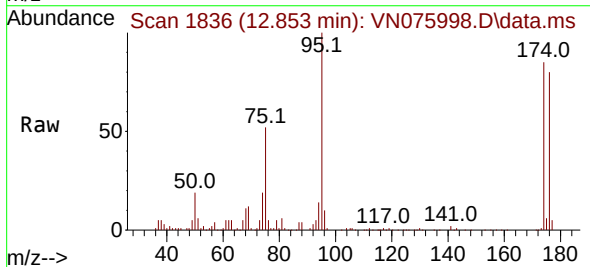
Manual Integrations
APPROVED

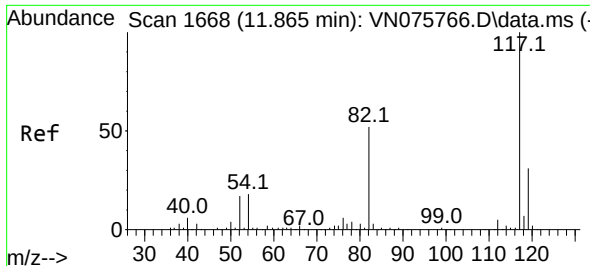
Reviewed By :Semsettin Yesilyurt 12/29/2022
Supervised By :Mahesh Dadoda 12/31/2022



#62
4-Bromofluorobenzene
Concen: 56.420 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.000 min
Lab File: VN075998.D
Acq: 28 Dec 2022 14:33

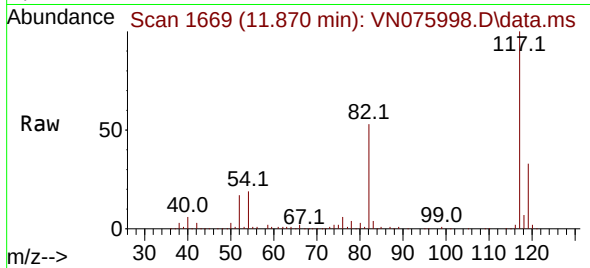
Tgt Ion: 95 Resp: 231513
Ion Ratio Lower Upper
95 100
174 83.5 0.0 171.6
176 81.1 0.0 169.2





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 1669
Delta R.T. 0.006 min
Lab File: VN075998.D
Acq: 28 Dec 2022 14:33

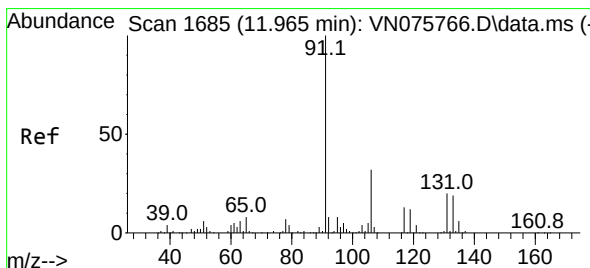
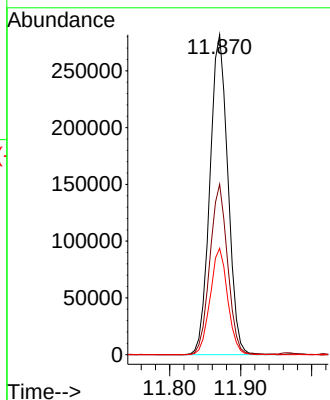
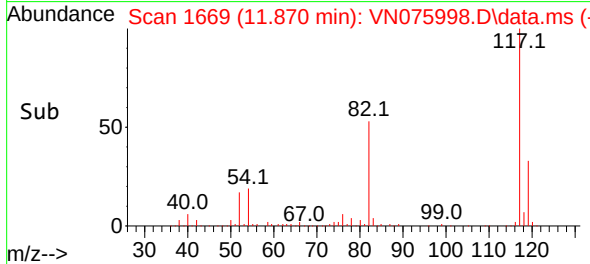
Instrument :
MSVOA_N
ClientSampleId :
SB-1



Tgt Ion:117 Resp: 494601
Ion Ratio Lower Upper
117 100
82 53.3 41.3 61.9
119 33.3 24.6 37.0

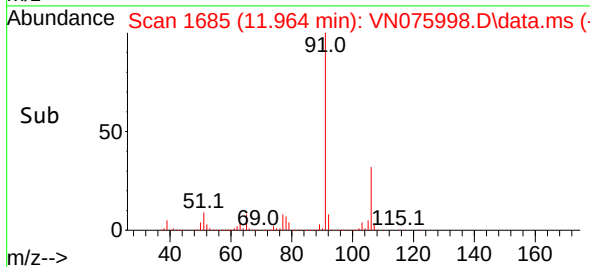
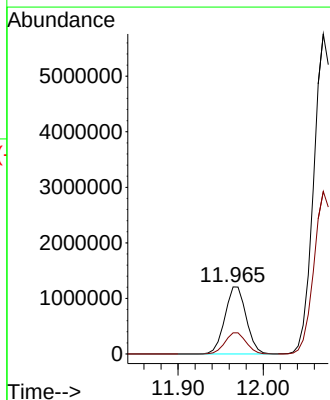
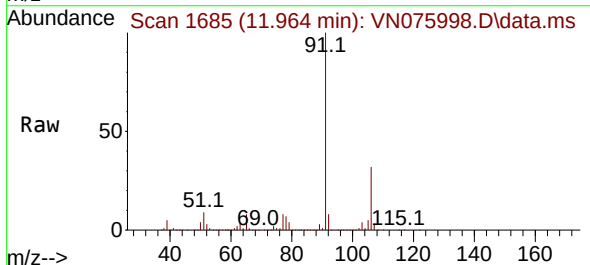
Manual Integrations
APPROVED

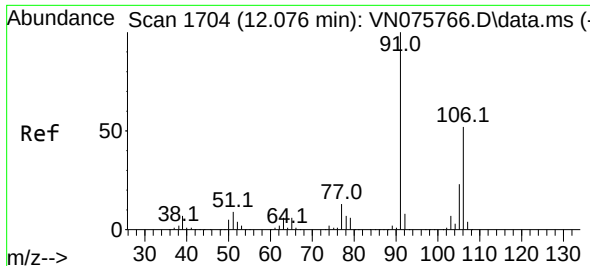
Reviewed By :Semsettin Yesilyurt 12/29/2022
Supervised By :Mahesh Dadoda 12/31/2022



#67
Ethyl Benzene
Concen: 122.357 ug/l
RT: 11.964 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN075998.D
Acq: 28 Dec 2022 14:33

Tgt Ion: 91 Resp: 2096384
Ion Ratio Lower Upper
91 100
106 31.6 25.7 38.5





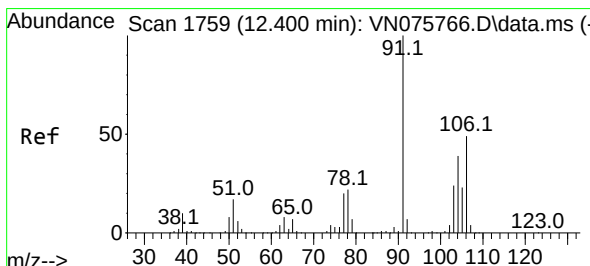
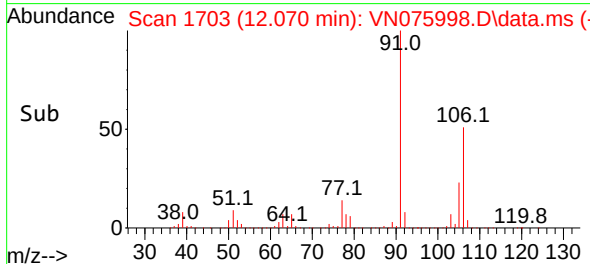
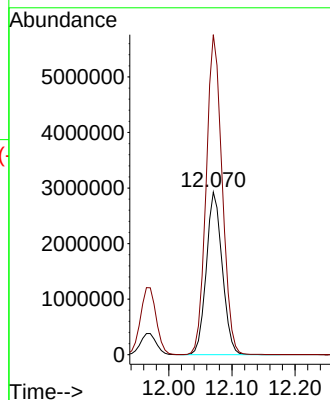
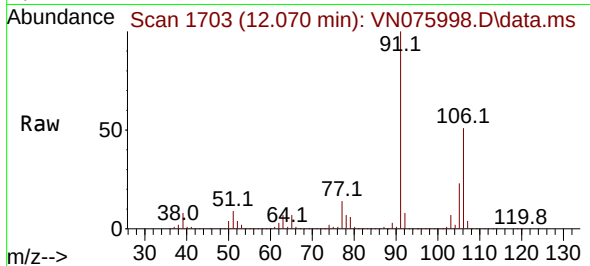
#68
m/p-Xylenes
Concen: 754.735 ug/l
RT: 12.070 min Scan# 1703
Delta R.T. -0.006 min
Lab File: VN075998.D
Acq: 28 Dec 2022 14:33

Instrument :
MSVOA_N
ClientSampleId :
SB-1

Tgt Ion:106 Resp: 511811
Ion Ratio Lower Upper
106 100
91 197.9 156.6 235.0

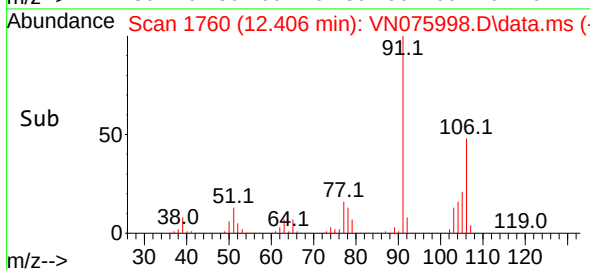
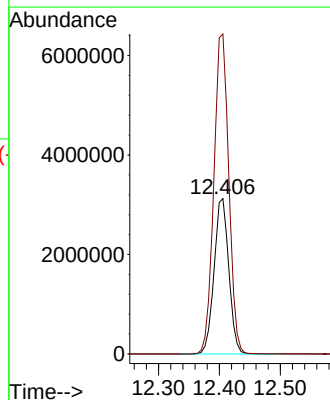
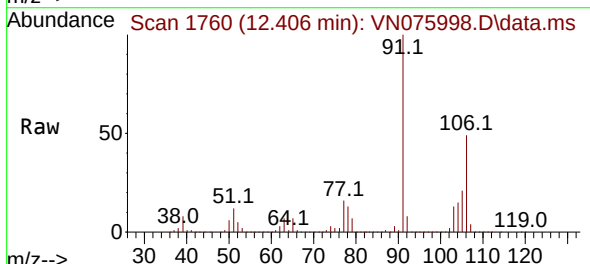
Manual Integrations
APPROVED

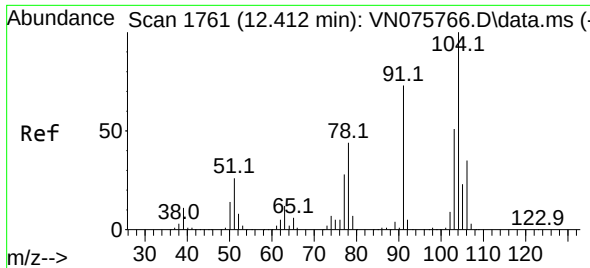
Reviewed By :Semsettin Yesilyurt 12/29/2022
Supervised By :Mahesh Dadoda 12/31/2022



#69
o-Xylene
Concen: 779.453 ug/l
RT: 12.406 min Scan# 1760
Delta R.T. 0.006 min
Lab File: VN075998.D
Acq: 28 Dec 2022 14:33

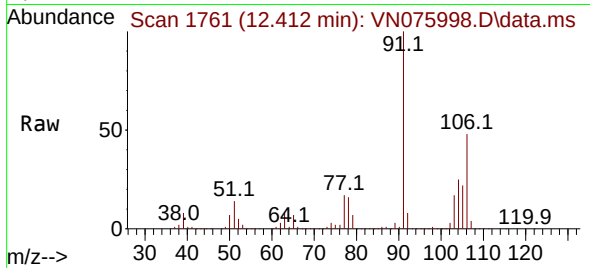
Tgt Ion:106 Resp: 5230804
Ion Ratio Lower Upper
106 100
91 209.6 103.8 311.6





#70
Styrene
Concen: 204.640 ug/l
RT: 12.412 min Scan# 1761
Delta R.T. -0.000 min
Lab File: VN075998.D
Acq: 28 Dec 2022 14:33

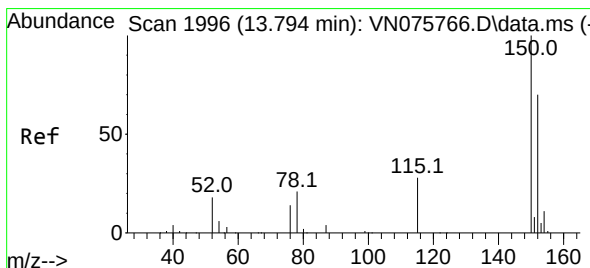
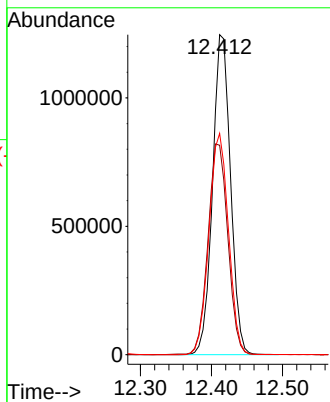
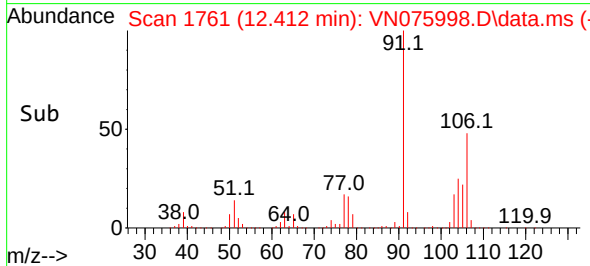
Instrument :
MSVOA_N
ClientSampleId :
SB-1



Tgt Ion:104 Resp: 218356
Ion Ratio Lower Upper
104 100
78 73.2 37.5 56.3
103 75.3 43.5 65.3

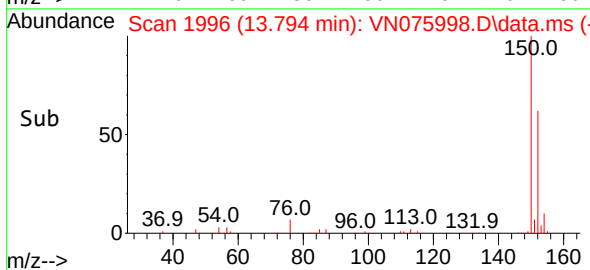
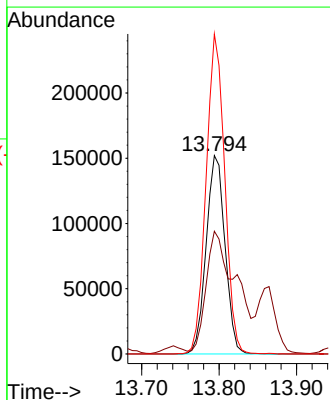
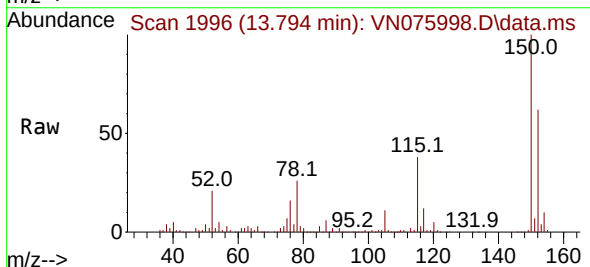
Manual Integrations
APPROVED

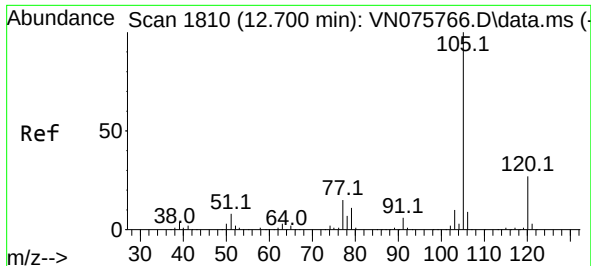
Reviewed By :Semsettin Yesilyurt 12/29/2022
Supervised By :Mahesh Dadoda 12/31/2022



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. -0.000 min
Lab File: VN075998.D
Acq: 28 Dec 2022 14:33

Tgt Ion:152 Resp: 256874
Ion Ratio Lower Upper
152 100
115 96.1 29.1 87.4
150 158.9 0.0 347.0





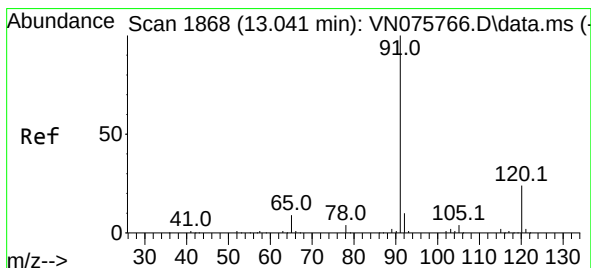
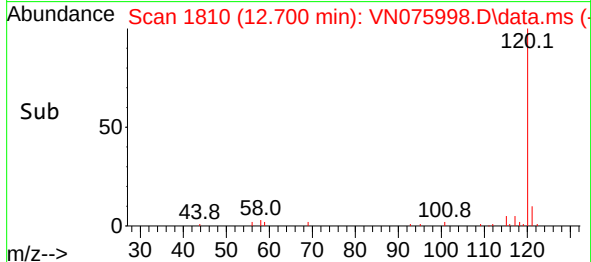
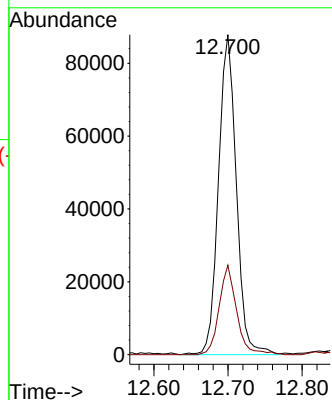
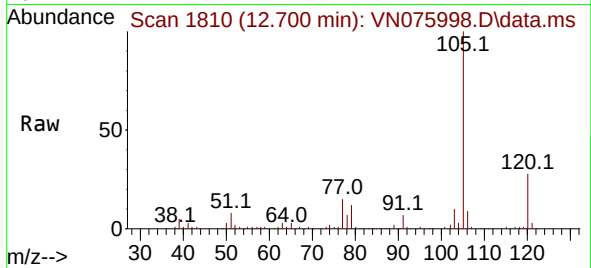
#73
Isopropylbenzene
Concen: 7.921 ug/l
RT: 12.700 min Scan# 1810
Delta R.T. -0.000 min
Lab File: VN075998.D
Acq: 28 Dec 2022 14:33

Instrument :
MSVOA_N
ClientSampleId :
SB-1

Tgt Ion:105 Resp: 14703
Ion Ratio Lower Upper
105 100
120 27.4 13.4 40.2

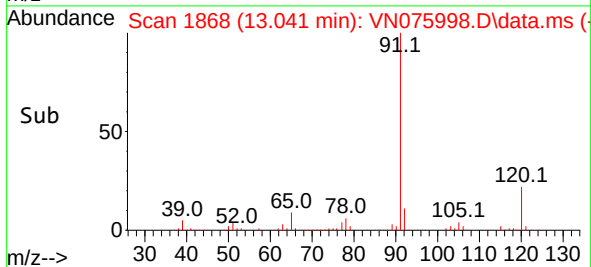
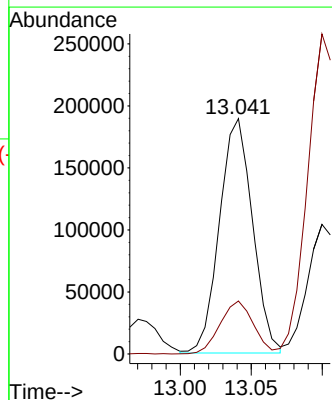
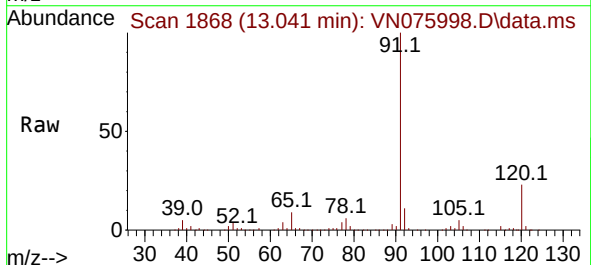
Manual Integrations
APPROVED

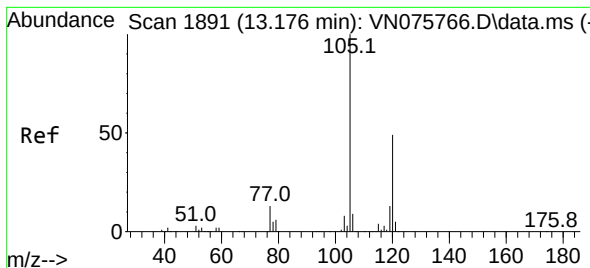
Reviewed By :Semsettin Yesilyurt 12/29/2022
Supervised By :Mahesh Dadoda 12/31/2022



#78
n-propylbenzene
Concen: 14.968 ug/l
RT: 13.041 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VN075998.D
Acq: 28 Dec 2022 14:33

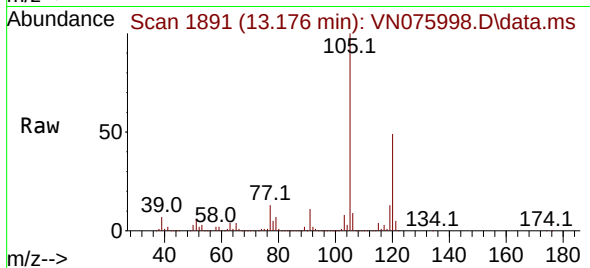
Tgt Ion: 91 Resp: 306453
Ion Ratio Lower Upper
91 100
120 22.7 12.0 36.1





#80
1,3,5-Trimethylbenzene
Concen: 97.403 ug/l
RT: 13.176 min Scan# 1891
Delta R.T. -0.000 min
Lab File: VN075998.D
Acq: 28 Dec 2022 14:33

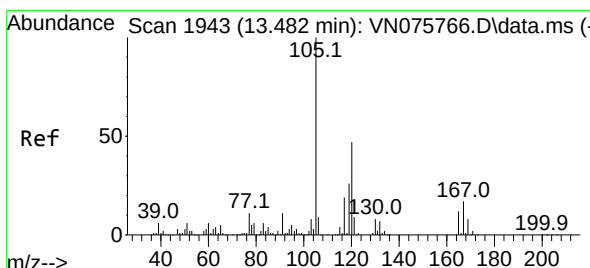
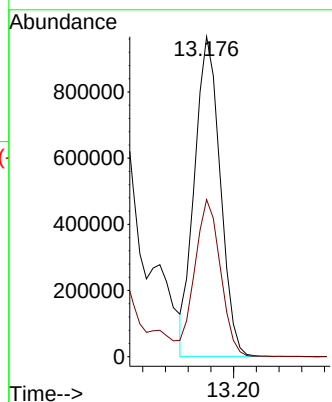
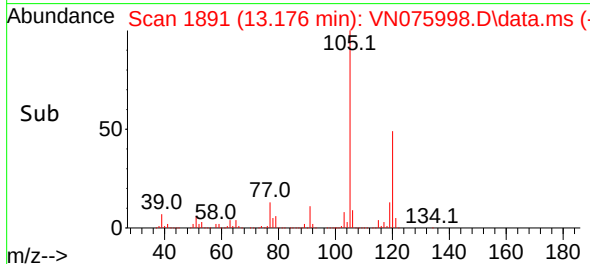
Instrument :
MSVOA_N
ClientSampleId :
SB-1



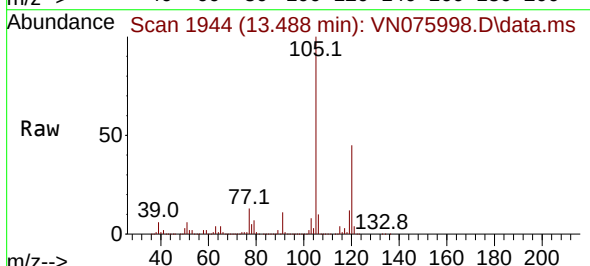
Tgt Ion:105 Resp: 1513270
Ion Ratio Lower Upper
105 100
120 50.2 24.7 74.1

Manual Integrations
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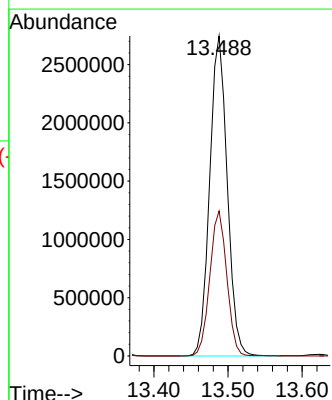
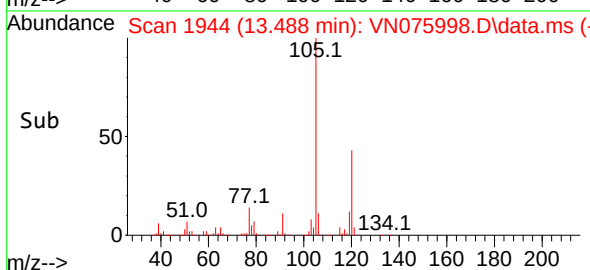
Reviewed By :Semsettin Yesilyurt 12/29/2022
Supervised By :Mahesh Dadoda 12/31/2022

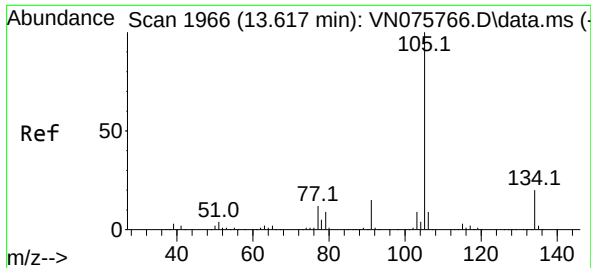


#84
1,2,4-Trimethylbenzene
Concen: 292.258 ug/l
RT: 13.488 min Scan# 1944
Delta R.T. 0.006 min
Lab File: VN075998.D
Acq: 28 Dec 2022 14:33



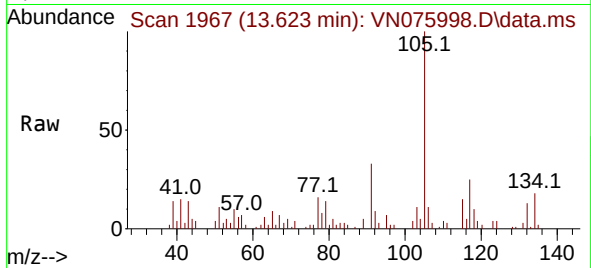
Tgt Ion:105 Resp: 4504420
Ion Ratio Lower Upper
105 100
120 43.9 23.3 69.8





#85
 sec-Butylbenzene
 Concen: 1.293 ug/l m
 RT: 13.623 min Scan# 1966
 Delta R.T. 0.006 min
 Lab File: VN075998.D
 Acq: 28 Dec 2022 14:33

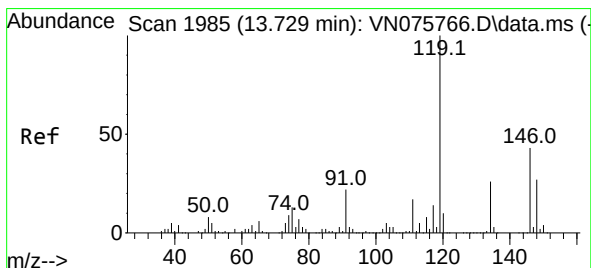
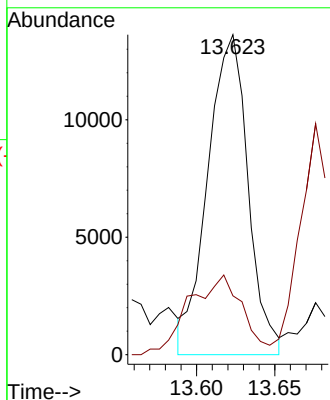
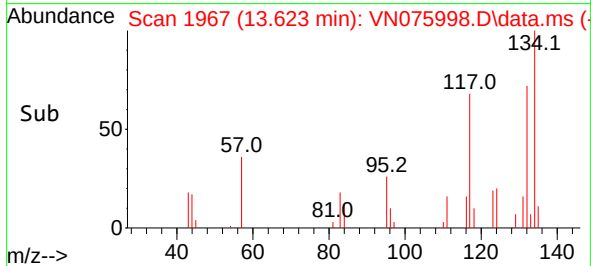
Instrument :
 MSVOA_N
 ClientSampleId :
 SB-1



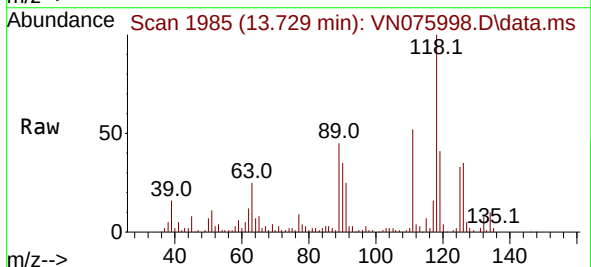
Tgt Ion:105 Resp: 24438
 Ion Ratio Lower Upper
 105 100
 134 0.0 10.1 30.1

Manual Integrations
 APPROVED

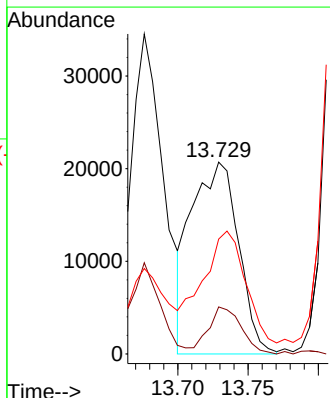
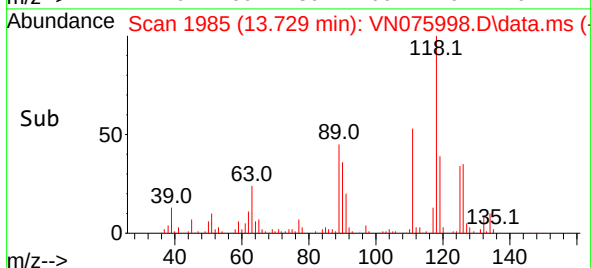
Reviewed By :Semsettin Yesilyurt 12/29/2022
 Supervised By :Mahesh Dadoda 12/31/2022

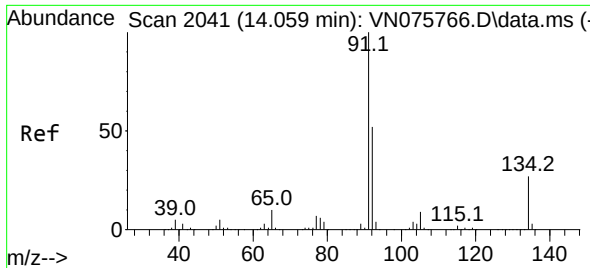


#86
 p-Isopropyltoluene
 Concen: 3.059 ug/l m
 RT: 13.729 min Scan# 1985
 Delta R.T. -0.000 min
 Lab File: VN075998.D
 Acq: 28 Dec 2022 14:33



Tgt Ion:119 Resp: 48125
 Ion Ratio Lower Upper
 119 100
 134 30.4 13.0 39.0
 91 30.3 11.2 33.6





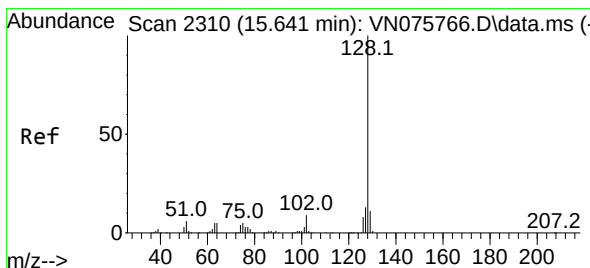
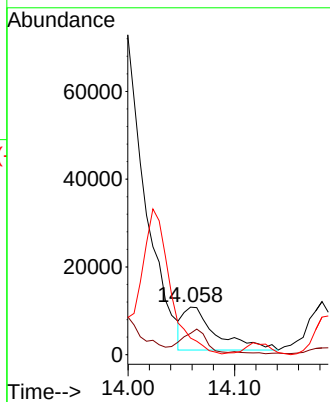
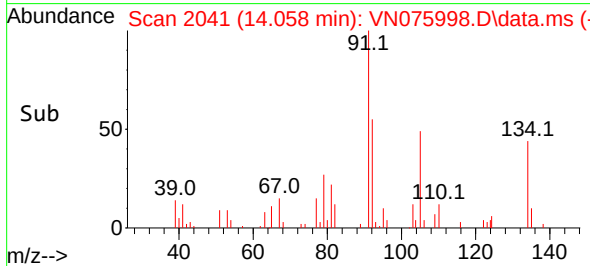
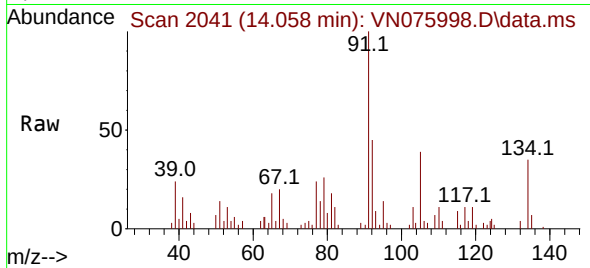
#89
n-Butylbenzene
Concen: 1.653 ug/l
RT: 14.058 min Scan# 2041
Delta R.T. -0.000 min
Lab File: VN075998.D
Acq: 28 Dec 2022 14:33

Instrument :
MSVOA_N
ClientSampleId :
SB-1

Tgt Ion: 91	Resp: 2106
Ion Ratio	Lower Upper
91 100	
92 40.2	26.4 79.2
134 0.0	13.4 40.2

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 12/29/2022
Supervised By :Mahesh Dadoda 12/31/2022



#95
Naphthalene
Concen: 1529.260 ug/l m
RT: 15.635 min Scan# 2309
Delta R.T. -0.006 min
Lab File: VN075998.D
Acq: 28 Dec 2022 14:33

Tgt Ion:128	Resp:22320644
Ion Ratio	Lower Upper
128 100	
127 0.0	10.4 15.6#
129 0.0	8.7 13.1#

