

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN011124\
 Data File : VN080679.D
 Acq On : 11 Jan 2024 16:27
 Operator : JC\MD
 Sample : P1103-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 240110062-02-VOA

Manual Integrations
 APPROVED

Reviewed By : John Carlone 01/12/2024
 Supervised By : Semsettin Yesilyurt 01/12/2024

Quant Time: Jan 12 05:25:12 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N011124W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Jan 12 05:20:11 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.806	128	12289	30.000	ug/l	-0.01
28) 1,4-Difluorobenzene	9.100	114	111268	30.000	ug/l	# 0.00
57) Chlorobenzene-d5	11.865	117	125194	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.577	65	60049	30.259	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	100.867%		
60) 4-Bromofluorobenzene	12.847	95	77631	28.031	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	93.433%		
63) Toluene-d8	10.565	98	164356	29.913	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	99.700%		
Target Compounds						
					Qvalue	
8) Diethyl Ether	3.959	74	3102m	2.062	ug/l	
23) tert-Butyl Alcohol	5.500	59	1322445	3593.640	ug/l #	100
58) 4-Methyl-2-Pentanone	10.435	43	9286	2.820	ug/l #	65
62) Toluene	10.629	91	12926	1.284	ug/l	97
64) Chlorobenzene	11.894	112	5868	1.046	ug/l #	71
66) Ethyl Benzene	11.965	91	32079	3.029	ug/l #	88
67) m/p-Xylenes	12.065	106	18321	4.813	ug/l	97
68) o-Xylene	12.400	106	12698	3.345	ug/l	96
70) Isopropylbenzene	12.694	105	10955	1.181	ug/l	97
76) 1,3,5-Trimethylbenzene	13.176	105	4021	0.521	ug/l	86
80) 1,2,4-Trimethylbenzene	13.482	105	9675	1.281	ug/l	74
82) p-Isopropyltoluene	13.729	119	12959	1.915	ug/l	89
84) 1,4-Dichlorobenzene	13.817	146	8531	2.469	ug/l	89
91) Naphthalene	15.641	128	9935	1.510	ug/l	99

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

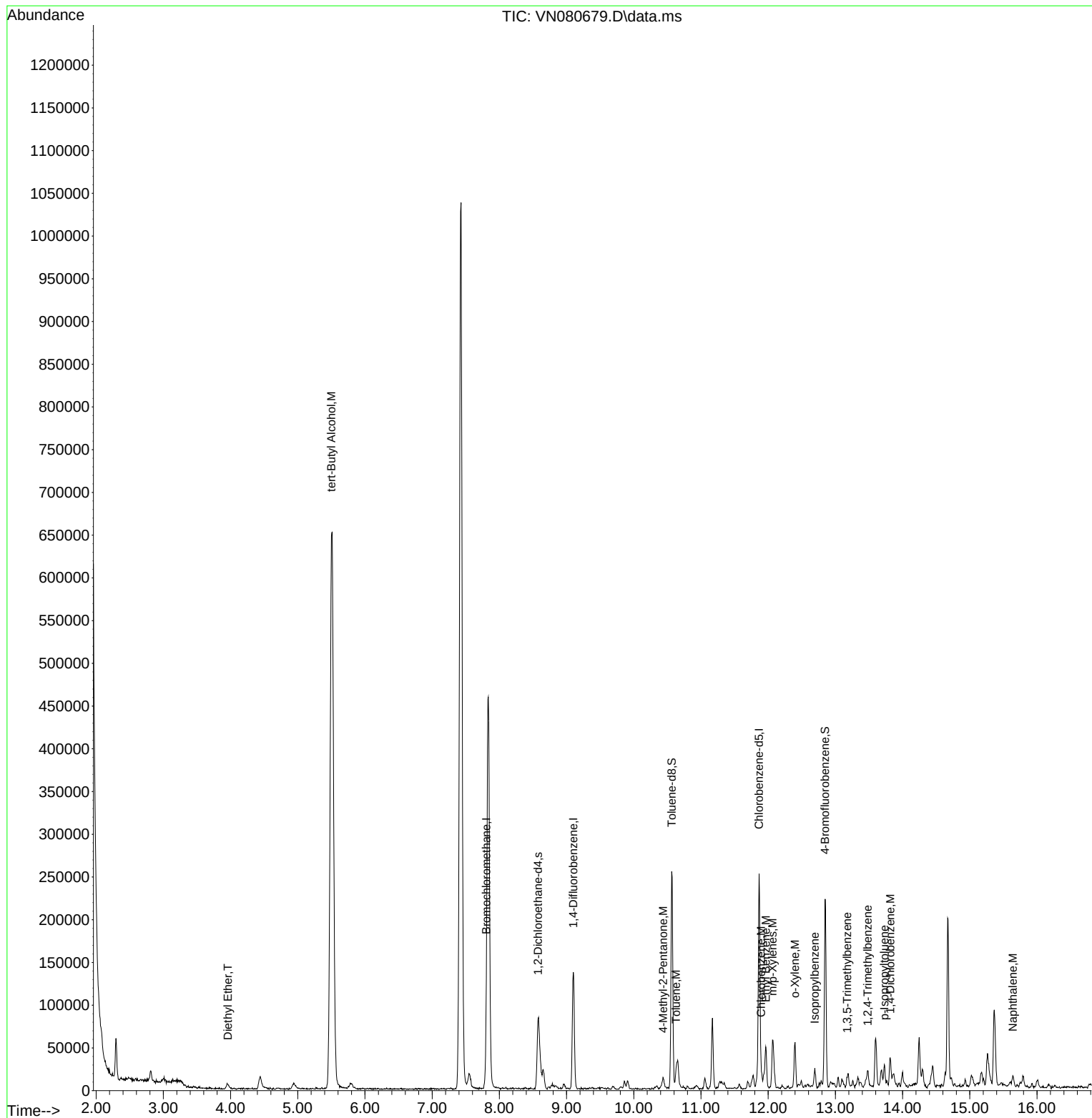
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Data File : VN080679.D
Acq On : 11 Jan 2024 16:27
Operator : JC\MD
Sample : P1103-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 16 Sample Multiplier: 1

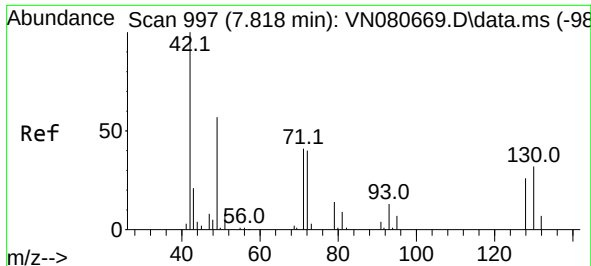
Instrument :
MSVOA_N
ClientSampleId :
240110062-02-VOA

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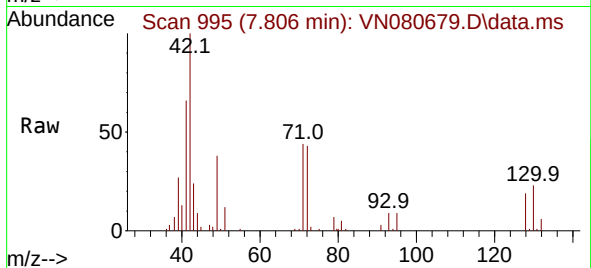
Quant Time: Jan 12 05:25:12 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N011124W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Jan 12 05:20:11 2024
Response via : Initial Calibration





#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.806 min Scan# 997
Delta R.T. -0.012 min
Lab File: VN080679.D
Acq: 11 Jan 2024 16:27

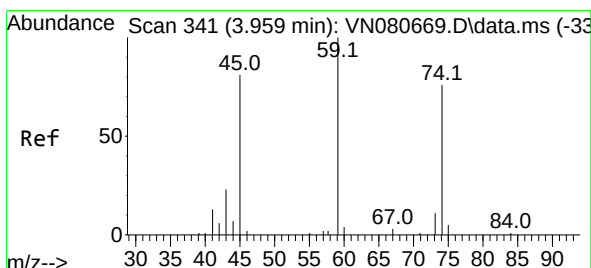
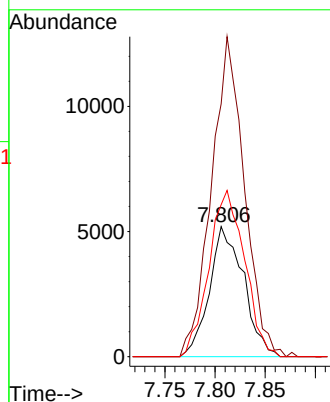
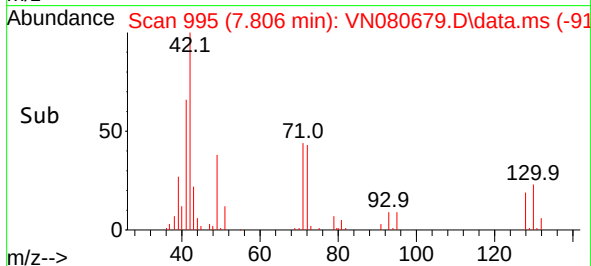
Instrument :
MSVOA_N
ClientSampleId :
240110062-02-VOA



Tgt Ion:128 Resp: 12289
Ion Ratio Lower Upper
128 100
49 237.6 0.0 403.7
130 134.0 0.0 323.3

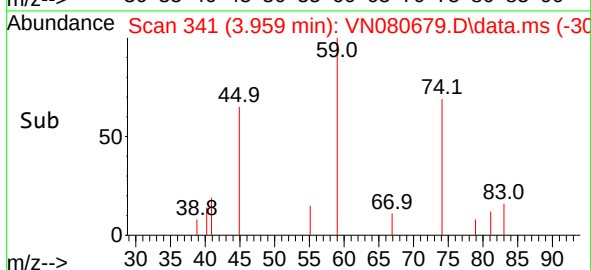
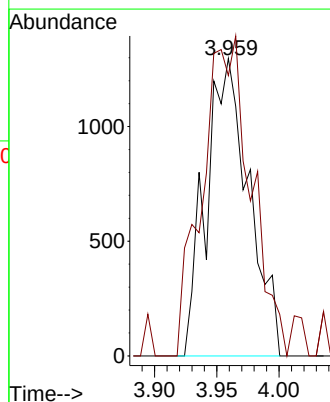
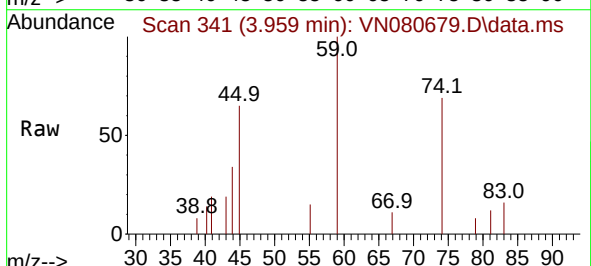
Manual Integrations
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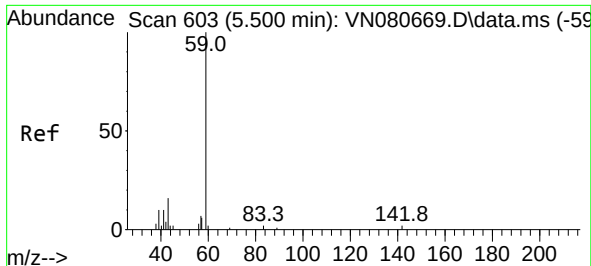
Reviewed By :John Carlone 01/12/2024
Supervised By :Semsettin Yesilyurt 01/12/2024



#8
Diethyl Ether
Concen: 2.062 ug/l m
RT: 3.959 min Scan# 341
Delta R.T. 0.000 min
Lab File: VN080679.D
Acq: 11 Jan 2024 16:27

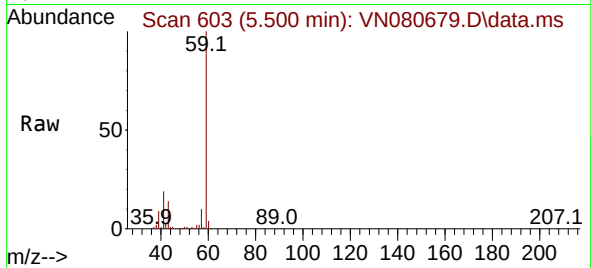
Tgt Ion: 74 Resp: 3102
Ion Ratio Lower Upper
74 100
45 29.0 16.4 147.4





#23
tert-Butyl Alcohol
Concen: 3593.640 ug/l
RT: 5.500 min Scan# 603
Delta R.T. 0.000 min
Lab File: VN080679.D
Acq: 11 Jan 2024 16:27

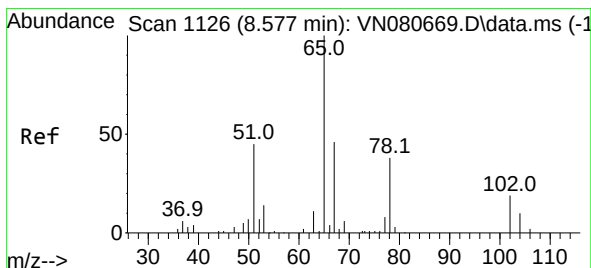
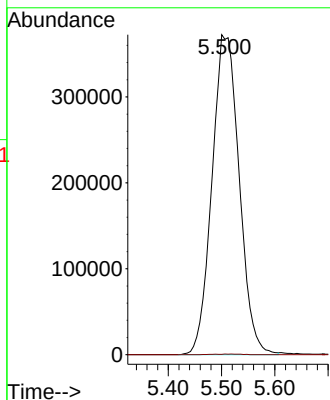
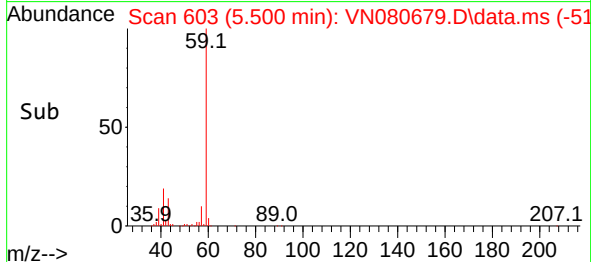
Instrument :
MSVOA_N
ClientSampleId :
240110062-02-VOA



Tgt Ion: 59 Resp: 1322445
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0

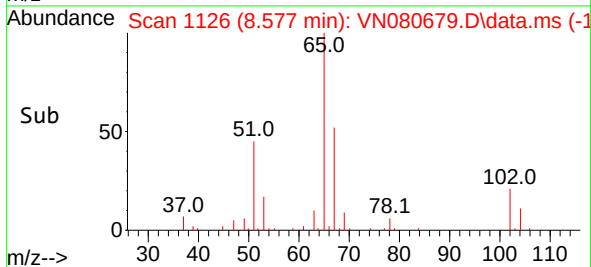
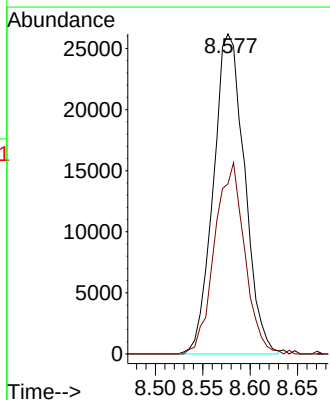
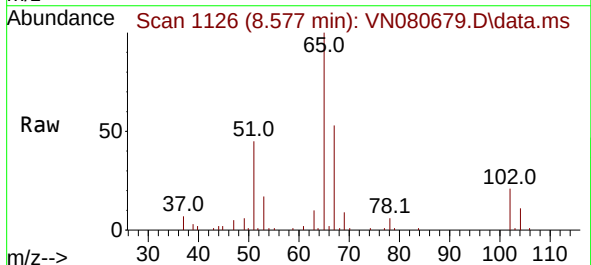
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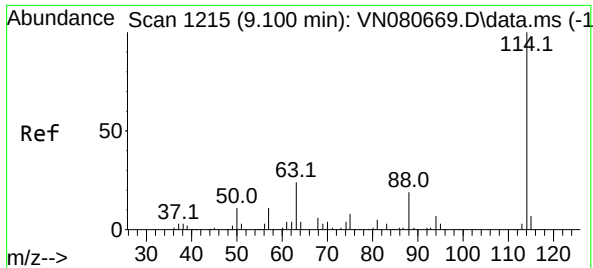
Reviewed By :John Carlone 01/12/2024
Supervised By :Semsettin Yesilyurt 01/12/2024



#27
1,2-Dichloroethane-d4
Concen: 30.259 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN080679.D
Acq: 11 Jan 2024 16:27

Tgt Ion: 65 Resp: 60049
Ion Ratio Lower Upper
65 100
67 57.4 43.2 64.8





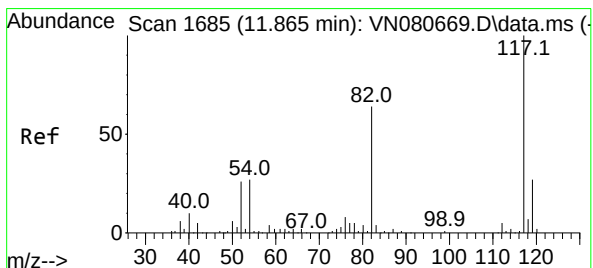
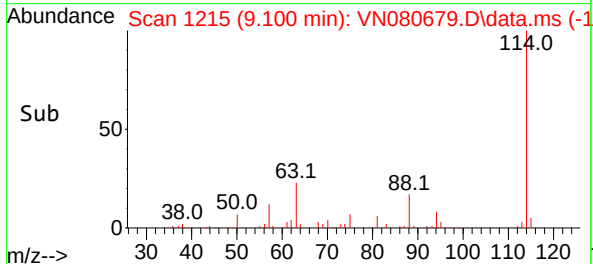
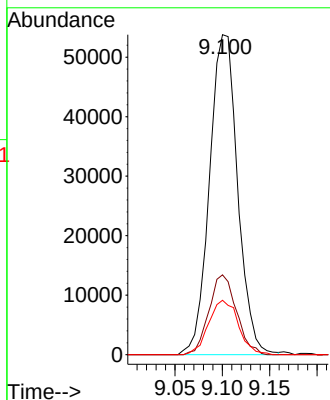
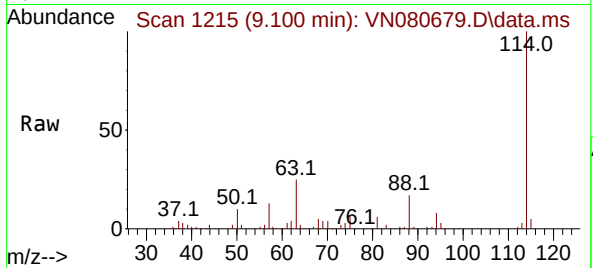
#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.100 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VN080679.D
Acq: 11 Jan 2024 16:27

Instrument :
MSVOA_N
ClientSampleId :
240110062-02-VOA

Tgt Ion:114 Resp: 11126
Ion Ratio Lower Upper
114 100
63 24.3 15.9 23.9
88 17.9 12.7 19.1

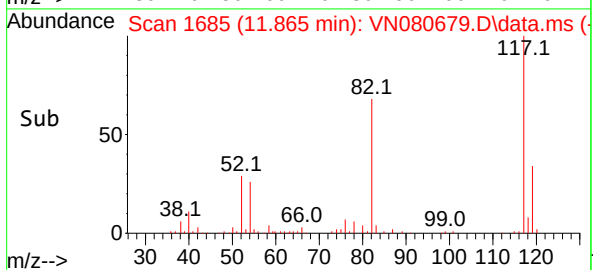
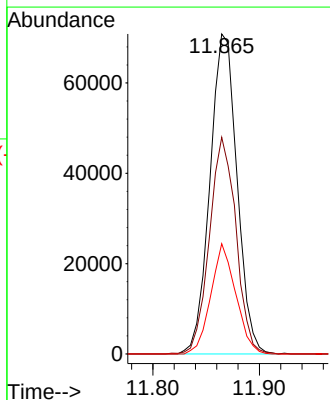
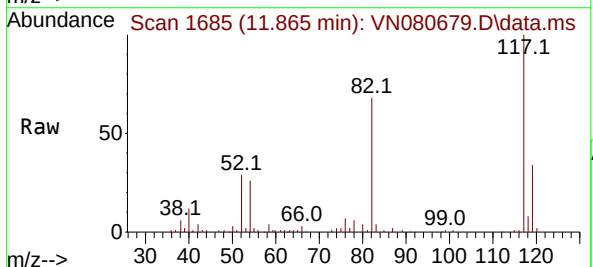
Manual Integrations
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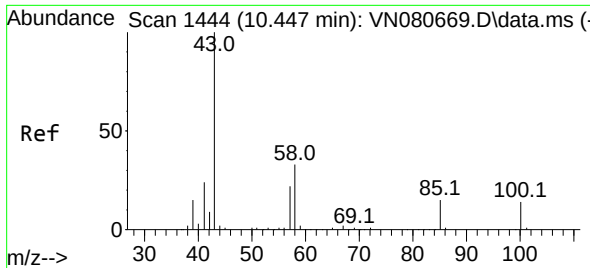
Reviewed By :John Carlone 01/12/2024
Supervised By :Semsettin Yesilyurt 01/12/2024



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN080679.D
Acq: 11 Jan 2024 16:27

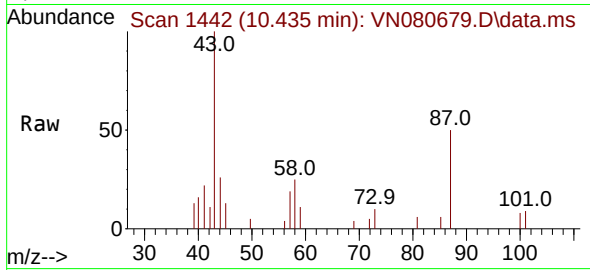
Tgt Ion:117 Resp: 125194
Ion Ratio Lower Upper
117 100
82 66.3 46.6 69.8
119 31.7 25.4 38.2





#58
4-Methyl-2-Pentanone
Concen: 2.820 ug/l
RT: 10.435 min Scan# 1444
Delta R.T. -0.012 min
Lab File: VN080679.D
Acq: 11 Jan 2024 16:27

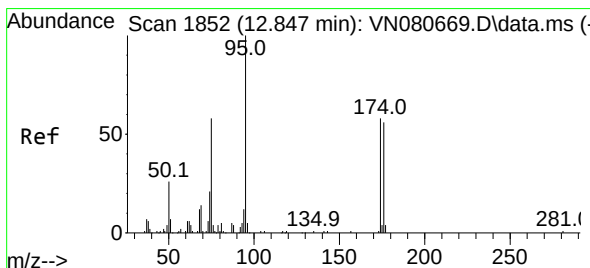
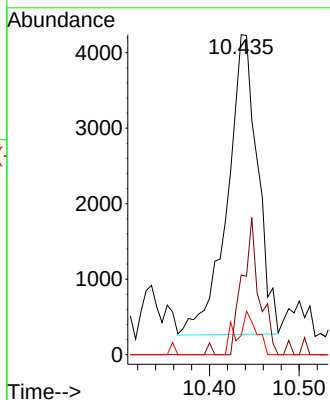
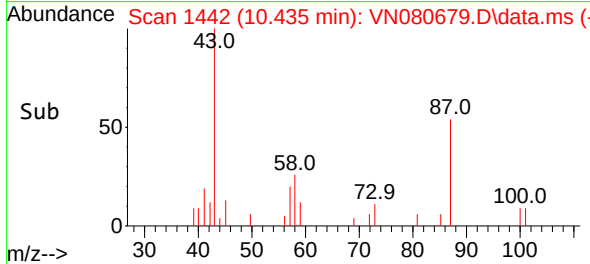
Instrument :
MSVOA_N
ClientSampleId :
240110062-02-VOA



Tgt Ion: 43 Resp: 9280
Ion Ratio Lower Upper
43 100
58 22.4 36.5 54.7#
85 6.8 19.5 29.3#

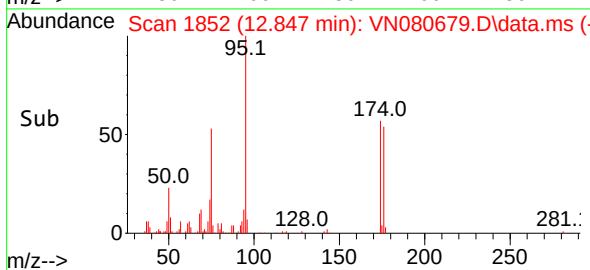
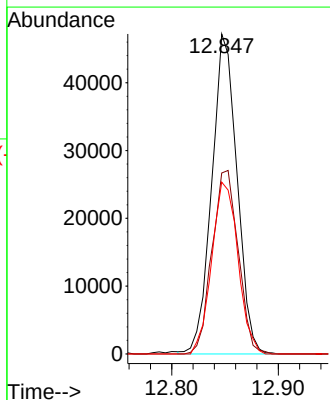
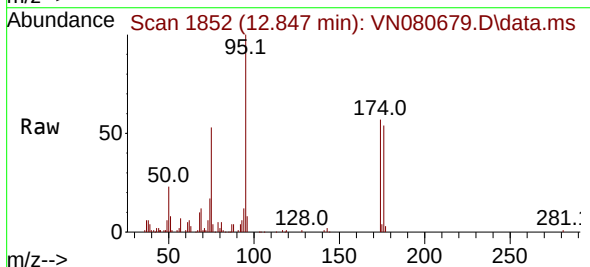
Manual Integrations
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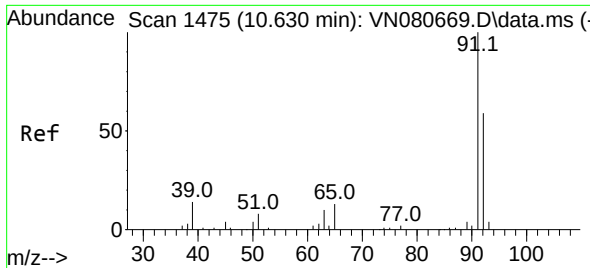
Reviewed By :John Carlone 01/12/2024
Supervised By :Semsettin Yesilyurt 01/12/2024



#60
4-Bromofluorobenzene
Concen: 28.031 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN080679.D
Acq: 11 Jan 2024 16:27

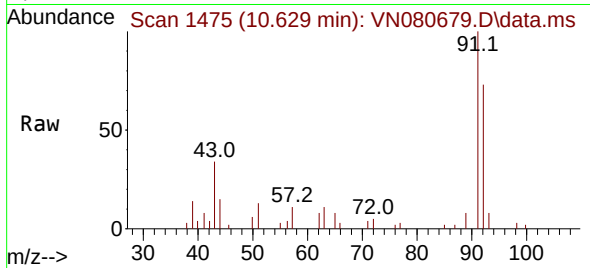
Tgt Ion: 95 Resp: 77631
Ion Ratio Lower Upper
95 100
174 59.5 60.5 90.7#
176 55.8 57.8 86.6#





#62
Toluene
Concen: 1.284 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. -0.001 min
Lab File: VN080679.D
Acq: 11 Jan 2024 16:27

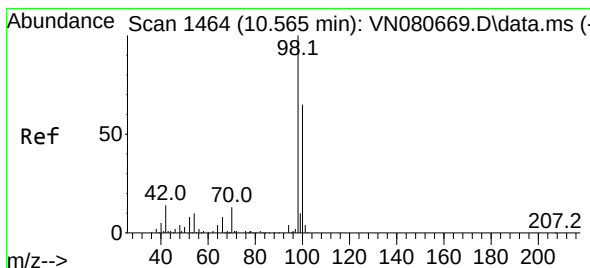
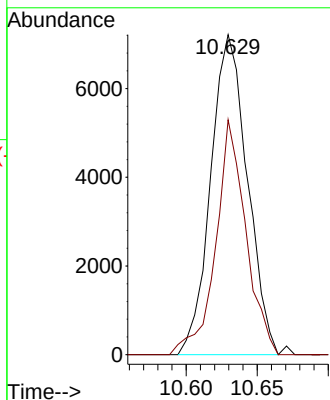
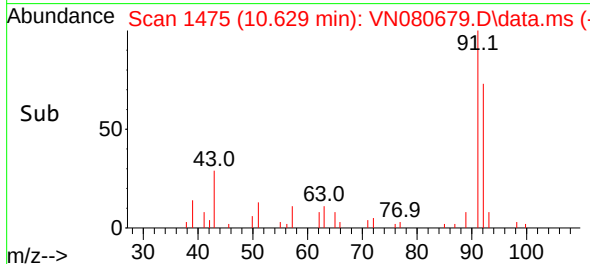
Instrument :
MSVOA_N
ClientSampleId :
240110062-02-VOA



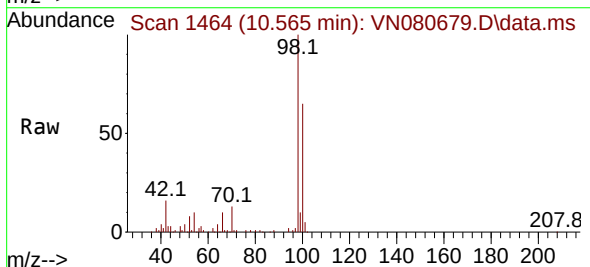
Tgt Ion: 91 Resp: 12920
Ion Ratio Lower Upper
91 100
92 60.4 46.5 69.7

Manual Integrations
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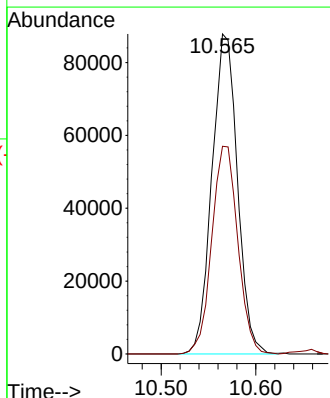
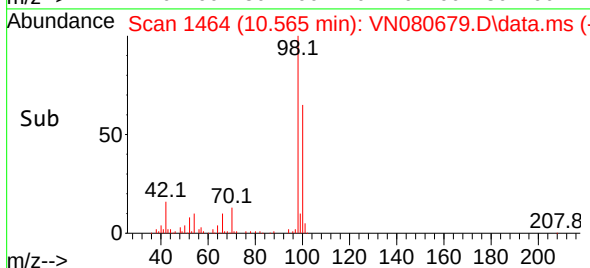
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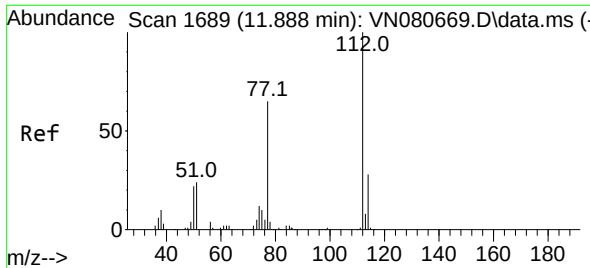


#63
Toluene-d8
Concen: 29.913 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN080679.D
Acq: 11 Jan 2024 16:27



Tgt Ion: 98 Resp: 164356
Ion Ratio Lower Upper
98 100
100 66.3 52.7 79.1





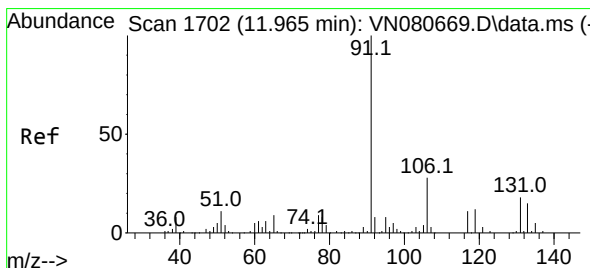
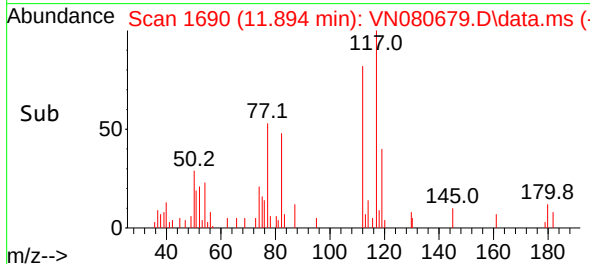
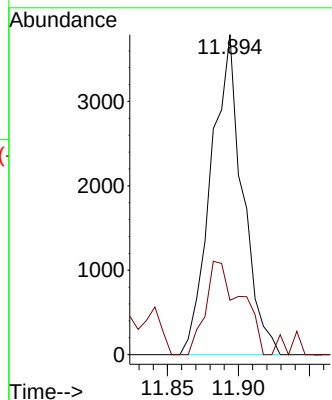
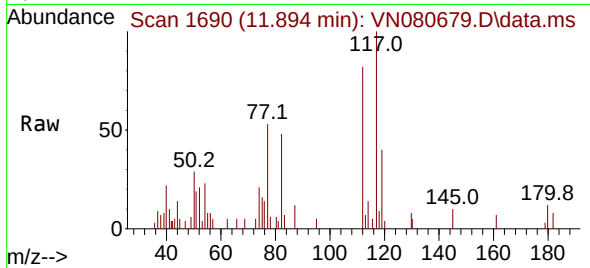
#64
Chlorobenzene
Concen: 1.046 ug/l
RT: 11.894 min Scan# 1689
Delta R.T. 0.006 min
Lab File: VN080679.D
Acq: 11 Jan 2024 16:27

Instrument :
MSVOA_N
ClientSampleId :
240110062-02-VOA

Tgt Ion:112 Resp: 586
Ion Ratio Lower Upper
112 100
114 17.0 26.6 39.8

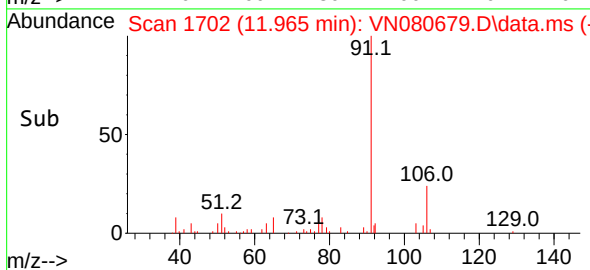
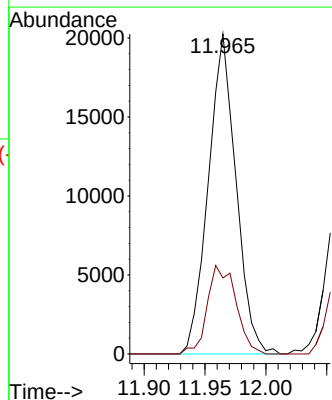
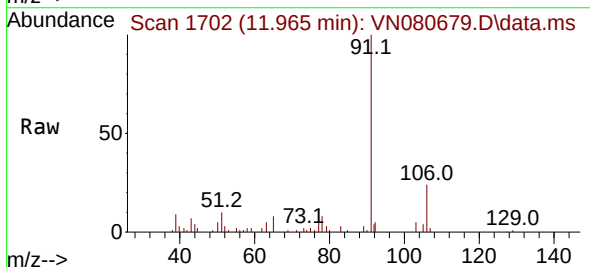
Manual Integrations
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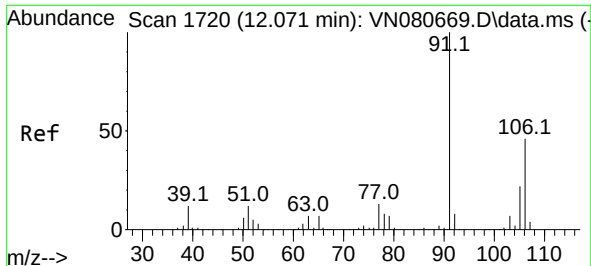
Reviewed By :John Carlone 01/12/2024
Supervised By :Semsettin Yesilyurt 01/12/2024



#66
Ethyl Benzene
Concen: 3.029 ug/l
RT: 11.965 min Scan# 1702
Delta R.T. -0.000 min
Lab File: VN080679.D
Acq: 11 Jan 2024 16:27

Tgt Ion: 91 Resp: 32079
Ion Ratio Lower Upper
91 100
106 23.7 24.4 36.6





#67

m/p-Xylenes

Concen: 4.813 ug/l

RT: 12.065 min Scan# 1719

Delta R.T. -0.006 min

Lab File: VN080679.D

Acq: 11 Jan 2024 16:27

Instrument :

MSVOA_N

ClientSampleId :

240110062-02-VOA

Tgt Ion:106 Resp: 1832

Ion Ratio Lower Upper

106 100

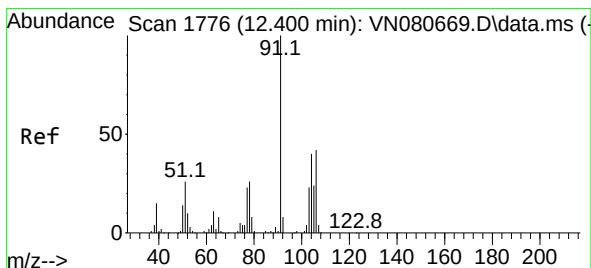
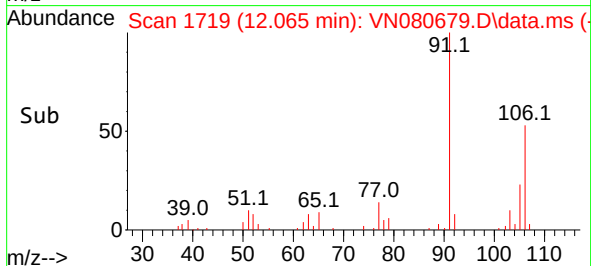
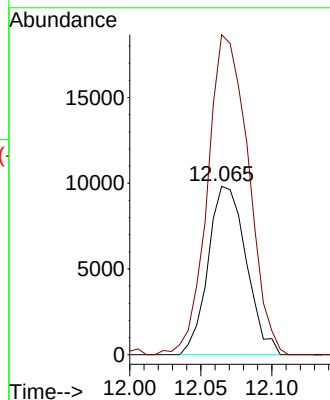
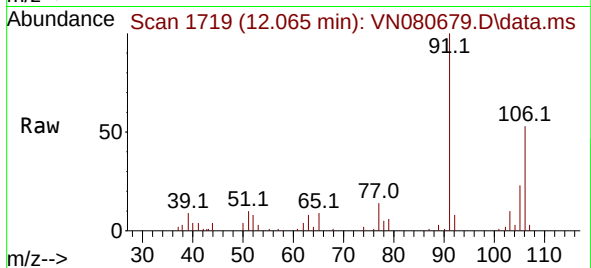
91 203.4 166.6 249.8

Manual Integrations

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Reviewed By :John Carlone 01/12/2024

Supervised By :Semsettin Yesilyurt 01/12/2024



#68

o-Xylene

Concen: 3.345 ug/l

RT: 12.400 min Scan# 1776

Delta R.T. -0.000 min

Lab File: VN080679.D

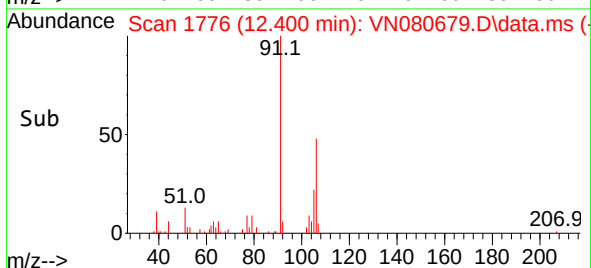
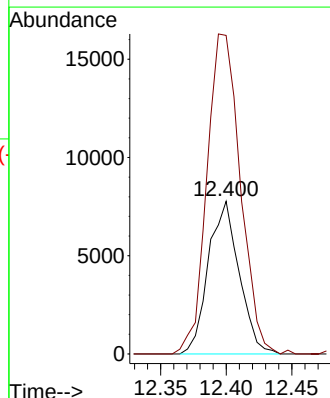
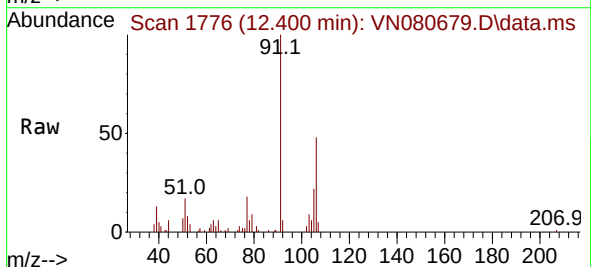
Acq: 11 Jan 2024 16:27

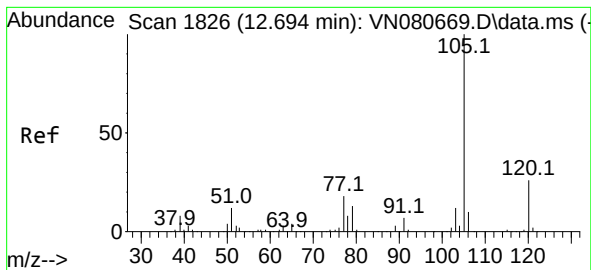
Tgt Ion:106 Resp: 12698

Ion Ratio Lower Upper

106 100

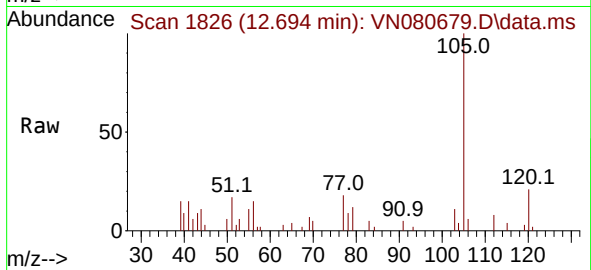
91 227.1 110.0 330.0





#70
Isopropylbenzene
Concen: 1.181 ug/l
RT: 12.694 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN080679.D
Acq: 11 Jan 2024 16:27

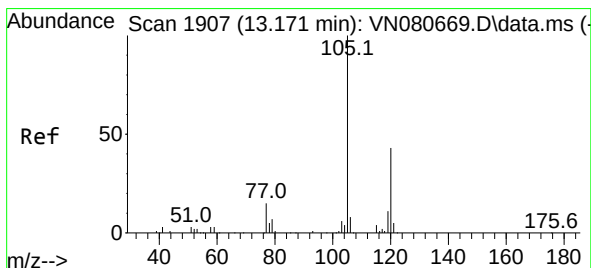
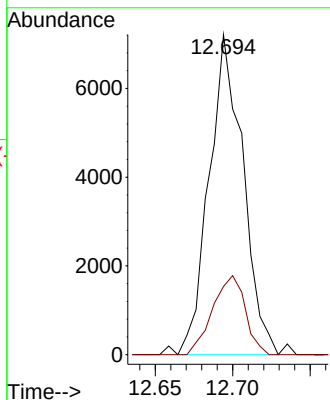
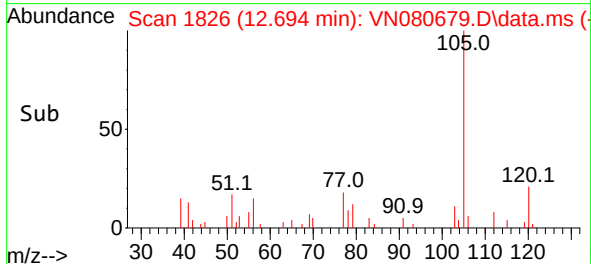
Instrument :
MSVOA_N
ClientSampleId :
240110062-02-VOA



Tgt Ion:105 Resp: 1095
Ion Ratio Lower Upper
105 100
120 23.8 17.8 33.1

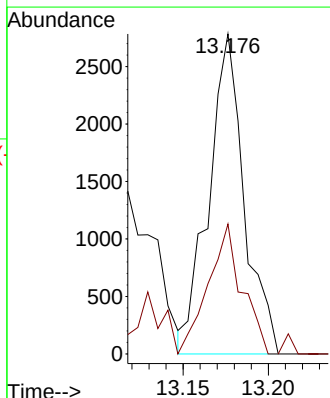
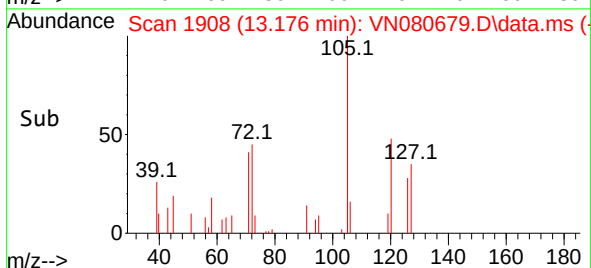
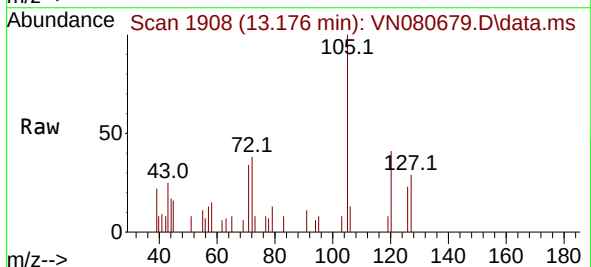
Manual Integrations
APPROVED

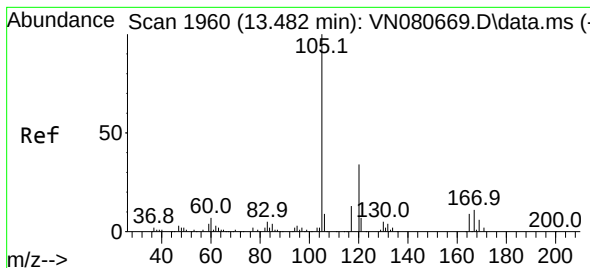
Reviewed By :John Carlone 01/12/2024
Supervised By :Semsettin Yesilyurt 01/12/2024



#76
1,3,5-Trimethylbenzene
Concen: 0.521 ug/l
RT: 13.176 min Scan# 1908
Delta R.T. 0.005 min
Lab File: VN080679.D
Acq: 11 Jan 2024 16:27

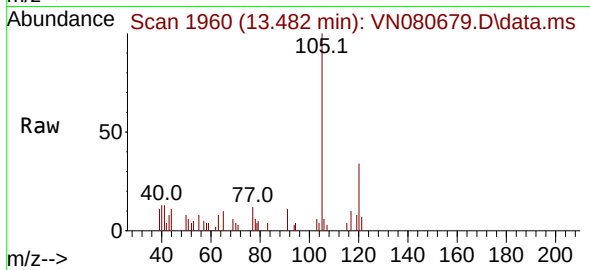
Tgt Ion:105 Resp: 4021
Ion Ratio Lower Upper
105 100
120 38.8 0.0 95.8





#80
1,2,4-Trimethylbenzene
Concen: 1.281 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. 0.000 min
Lab File: VN080679.D
Acq: 11 Jan 2024 16:27

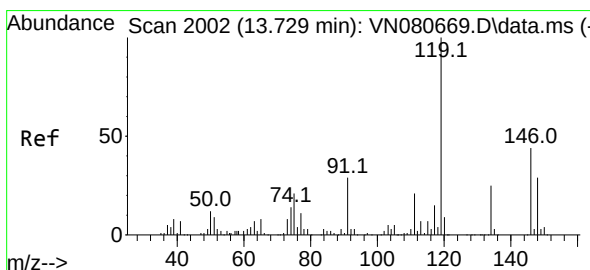
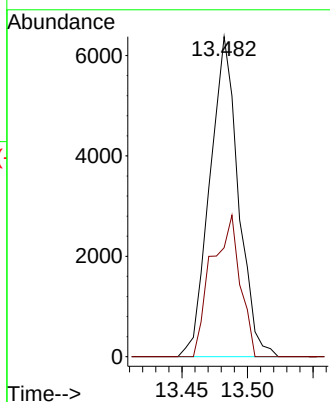
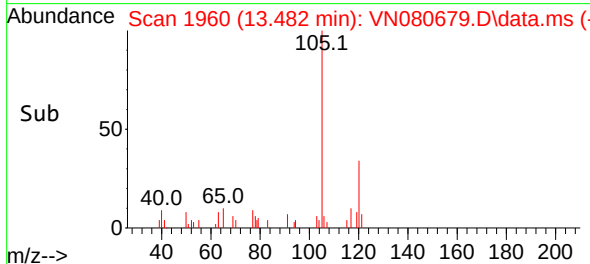
Instrument :
MSVOA_N
ClientSampleId :
240110062-02-VOA



Tgt Ion:105 Resp: 967
Ion Ratio Lower Upper
105 100
120 26.9 0.0 86.8

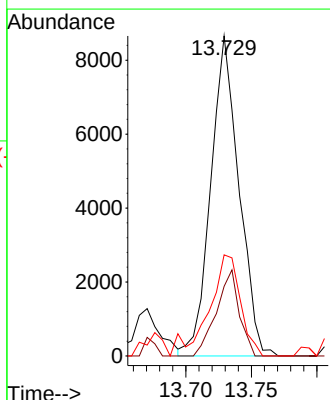
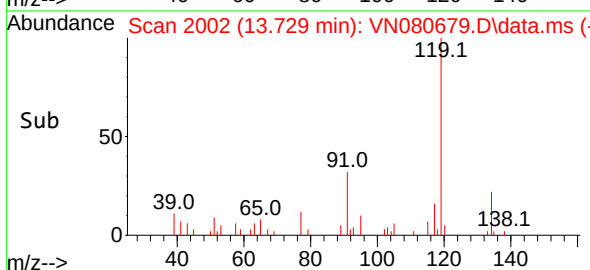
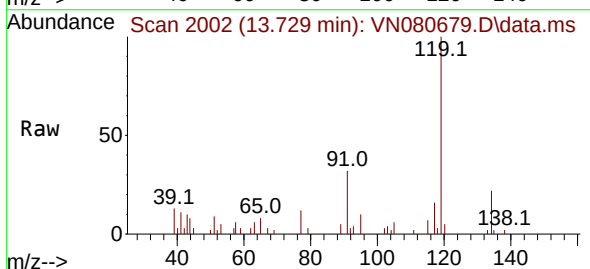
Manual Integrations
APPROVED

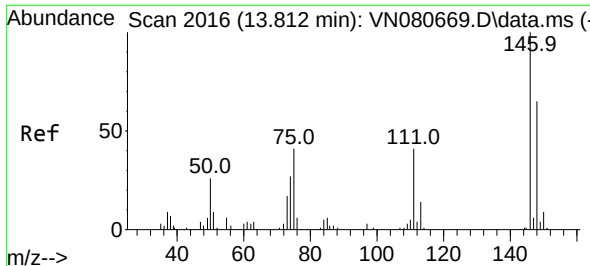
Reviewed By :John Carlone 01/12/2024
Supervised By :Semsettin Yesilyurt 01/12/2024



#82
p-Isopropyltoluene
Concen: 1.915 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. 0.000 min
Lab File: VN080679.D
Acq: 11 Jan 2024 16:27

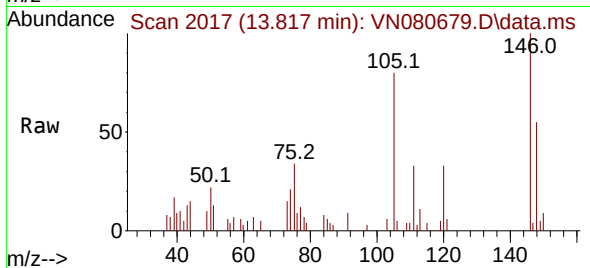
Tgt Ion:119 Resp: 12959
Ion Ratio Lower Upper
119 100
134 21.7 0.0 49.2
91 32.8 0.0 48.8





#84
1,4-Dichlorobenzene
Concen: 2.469 ug/l
RT: 13.817 min Scan# 2016
Delta R.T. 0.005 min
Lab File: VN080679.D
Acq: 11 Jan 2024 16:27

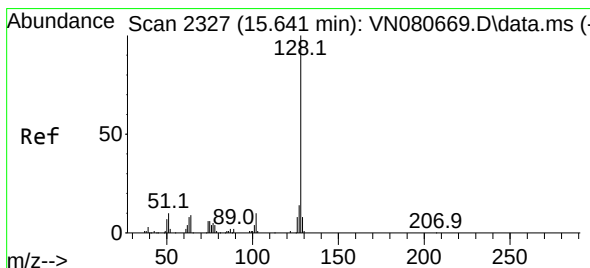
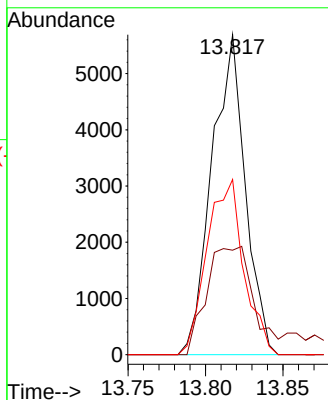
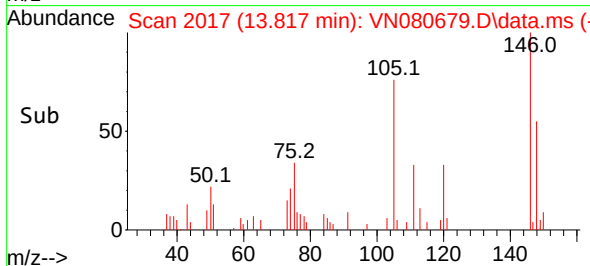
Instrument :
MSVOA_N
ClientSampleId :
240110062-02-VOA



Tgt Ion:146 Resp: 853
Ion Ratio Lower Upper
146 100
111 29.5 21.3 63.9
148 60.3 31.9 95.5

Manual Integrations
APPROVED

Reviewed By :John Carlone 01/12/2024
Supervised By :Semsettin Yesilyurt 01/12/2024



#91
Naphthalene
Concen: 1.510 ug/l
RT: 15.641 min Scan# 2327
Delta R.T. -0.000 min
Lab File: VN080679.D
Acq: 11 Jan 2024 16:27

Tgt Ion:128 Resp: 9935
Ion Ratio Lower Upper
128 100
127 12.9 10.6 16.0
129 10.0 8.6 13.0

