

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051624\
 Data File : VN082159.D
 Acq On : 16 May 2024 14:07
 Operator : JC\MD
 Sample : P2403-09 0.2PPB
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MDL-WATER-03-QT2-2024

Quant Time: May 17 04:12:57 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051524W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 17 04:08:43 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 05/17/2024
 Supervised By :Semsettin Yesilyurt 05/17/2024

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	182569	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	322612	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	278808	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	114404	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	148429	51.488	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 102.980%			
35) Dibromofluoromethane	8.165	113	100619	50.701	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.400%			
50) Toluene-d8	10.571	98	367089	48.246	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 96.500%			
62) 4-Bromofluorobenzene	12.853	95	120073	44.214	ug/l	0.00
Spiked Amount 50.000	Range 64 - 133		Recovery = 88.420%			
Target Compounds					Qvalue	
3) Chloromethane	2.359	50	771	0.258	ug/l #	46
5) Bromomethane	2.959	94	1071	0.664	ug/l #	46
11) Tert butyl alcohol	5.518	59	170m	0.367	ug/l	
13) Acrolein	4.165	56	133	0.388	ug/l #	67
15) Acrylonitrile	5.718	53	740	0.617	ug/l #	73
16) Acetone	4.442	43	1285m	1.087	ug/l	
17) Carbon Disulfide	4.712	76	1595	0.248	ug/l #	74
18) Methyl Acetate	5.018	43	860	0.292	ug/l #	47
20) Methylene Chloride	5.277	84	1089m	0.456	ug/l	
23) Vinyl Acetate	6.612	43	5025m	0.715	ug/l	
25) 2-Butanone	7.488	43	1410	0.786	ug/l	92
29) Tetrahydrofuran	7.847	42	870	0.756	ug/l #	53
31) Cyclohexane	8.230	56	6375	1.385	ug/l #	54
36) 1,1-Dichloropropene	8.371	75	687	0.206	ug/l #	41
42) 1,2-Dichloroethane	8.677	62	920	0.241	ug/l #	73
51) 4-Methyl-2-Pentanone	10.447	43	2733	0.729	ug/l #	84
58) 2-Chloroethyl Vinyl ether	10.159	63	1680	0.886	ug/l #	70
59) 2-Hexanone	11.200	43	2052	0.747	ug/l	87
68) m/p-Xylenes	12.076	106	1228	0.304	ug/l	86
77) Bromobenzene	12.982	156	507	0.234	ug/l #	69
88) 1,4-Dichlorobenzene	13.812	146	804m	0.201	ug/l	

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

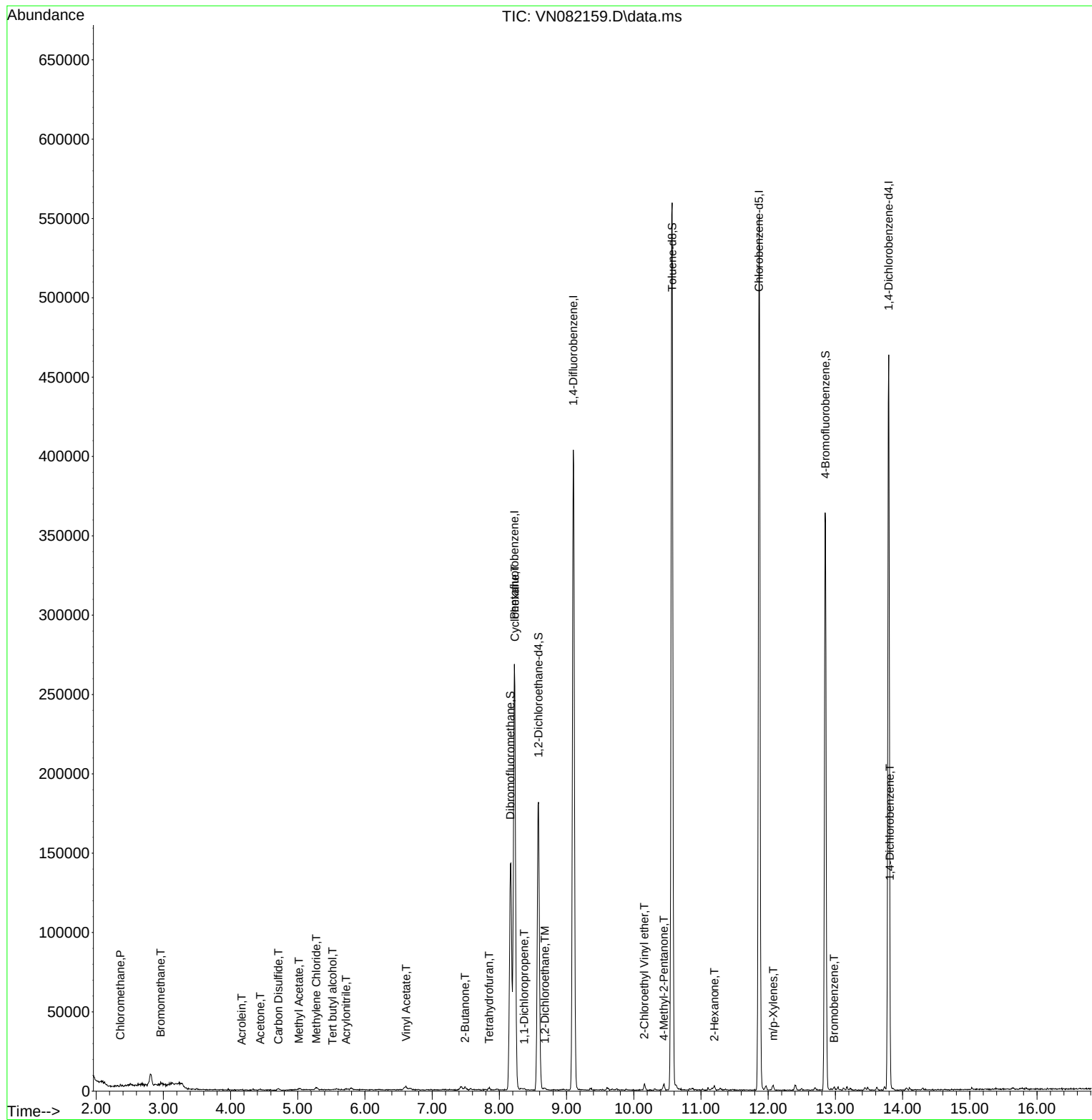
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN051624\
Data File : VN082159.D
Acq On : 16 May 2024 14:07
Operator : JC\MD
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Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

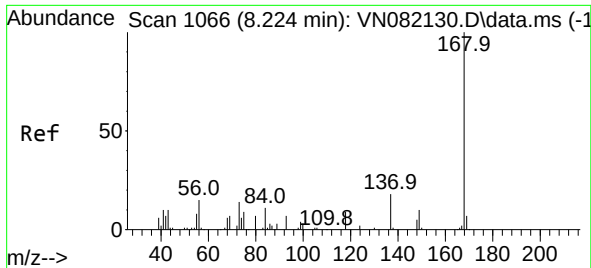
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT2-2024

Quant Time: May 17 04:12:57 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N051524W.M
Quant Title : SW846 8260
QLast Update : Fri May 17 04:08:43 2024
Response via : Initial Calibration

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APPROVED

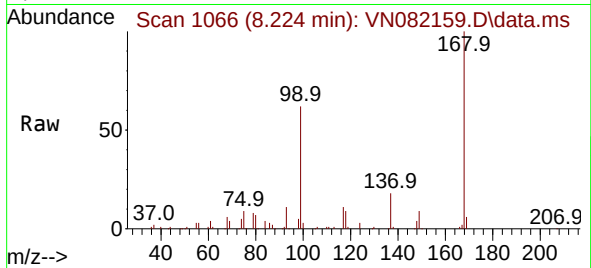
Reviewed By :Mahesh Dadoda 05/17/2024
Supervised By :Semsettin Yesilyurt 05/17/2024





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN082159.D
Acq: 16 May 2024 14:07

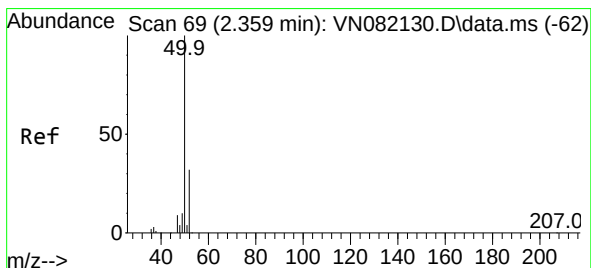
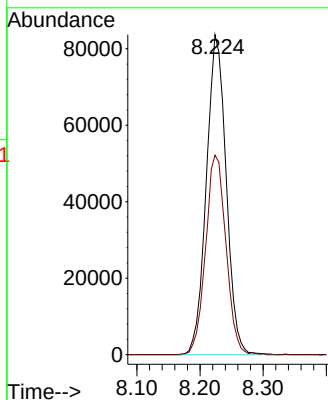
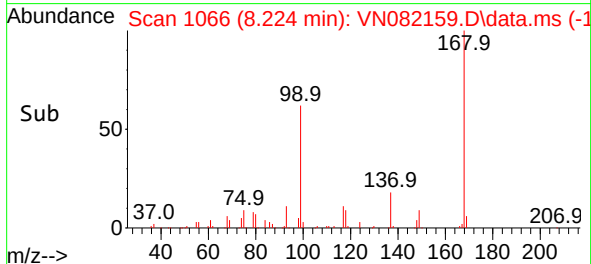
Instrument : MSVOA_N
ClientSampleId : MDL-WATER-03-QT2-2024



Tgt Ion:168 Resp: 182569
Ion Ratio Lower Upper
168 100
99 62.4 48.2 72.4

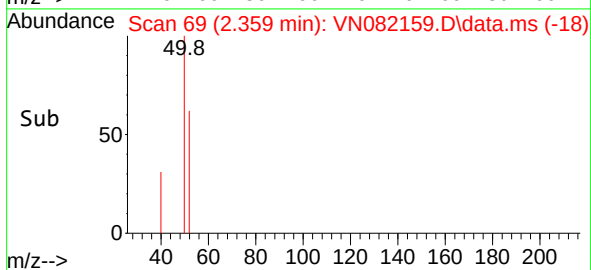
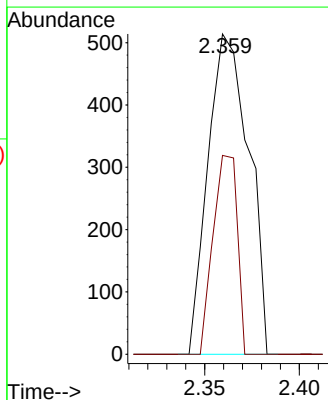
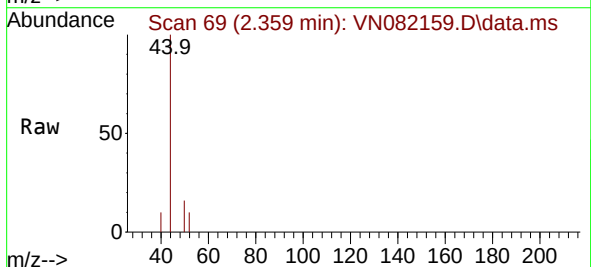
Manual Integrations
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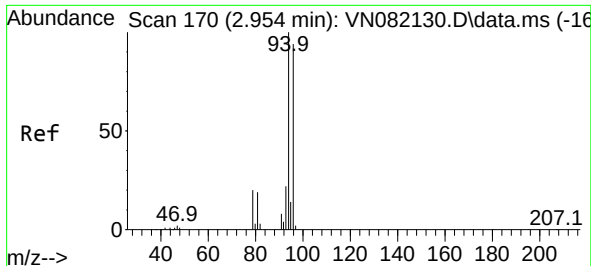
Reviewed By :Mahesh Dadoda 05/17/2024
Supervised By :Semsettin Yesilyurt 05/17/2024



#3
Chloromethane
Concen: 0.258 ug/l
RT: 2.359 min Scan# 69
Delta R.T. -0.000 min
Lab File: VN082159.D
Acq: 16 May 2024 14:07

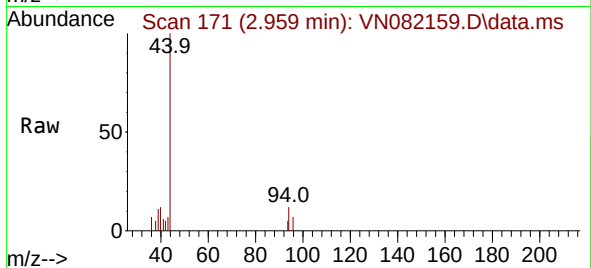
Tgt Ion: 50 Resp: 771
Ion Ratio Lower Upper
50 100
52 62.1 25.5 38.3#





#5
Bromomethane
Concen: 0.664 ug/l
RT: 2.959 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN082159.D
Acq: 16 May 2024 14:07

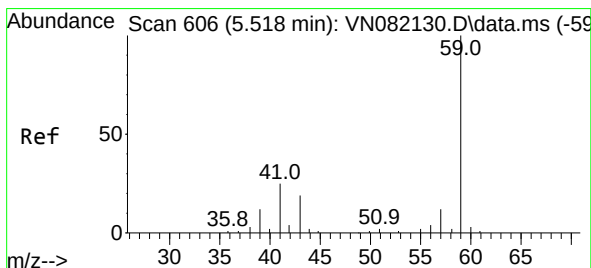
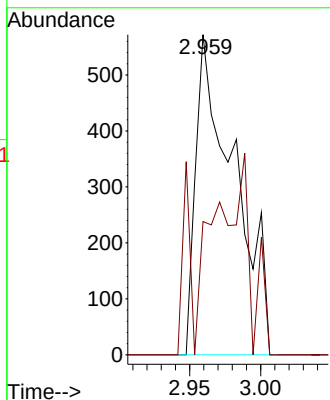
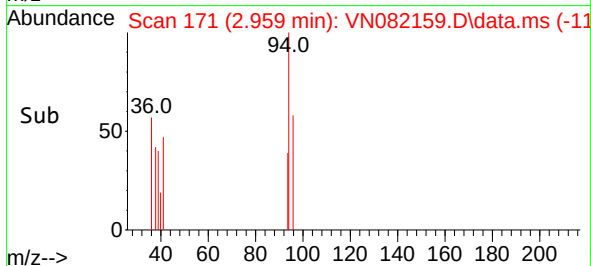
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT2-2024



Tgt Ion: 94 Resp: 107
Ion Ratio Lower Upper
94 100
96 41.6 74.8 112.2

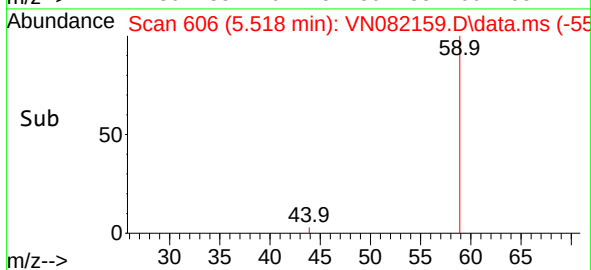
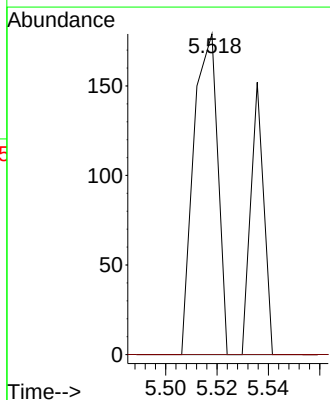
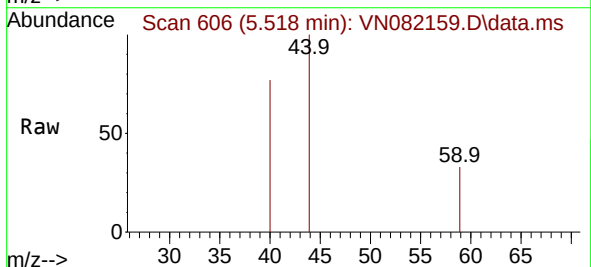
Manual Integrations
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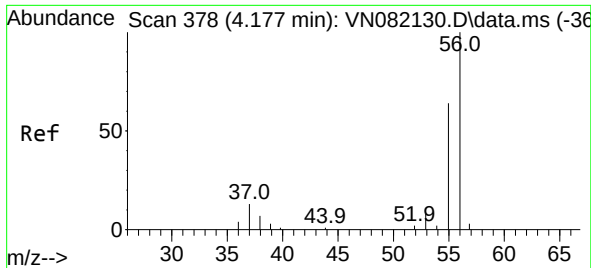
Reviewed By :Mahesh Dadoda 05/17/2024
Supervised By :Semsettin Yesilyurt 05/17/2024



#11
Tert butyl alcohol
Concen: 0.367 ug/l m
RT: 5.518 min Scan# 606
Delta R.T. -0.000 min
Lab File: VN082159.D
Acq: 16 May 2024 14:07

Tgt Ion: 59 Resp: 170
Ion Ratio Lower Upper
59 100
57 0.0 8.9 13.3





#13

Acrolein

Concen: 0.388 ug/l

RT: 4.165 min Scan# 31

Delta R.T. -0.012 min

Lab File: VN082159.D

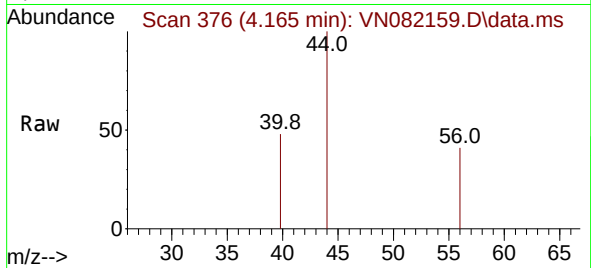
Acq: 16 May 2024 14:07

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT2-2024



Tgt Ion: 56 Resp: 133

Ion Ratio Lower Upper

56 100

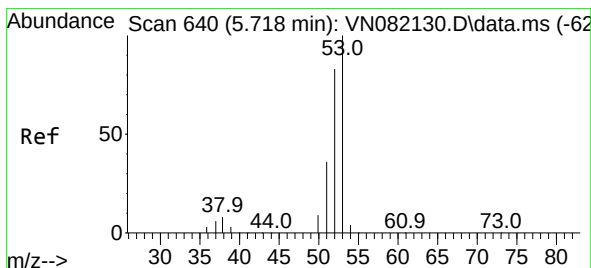
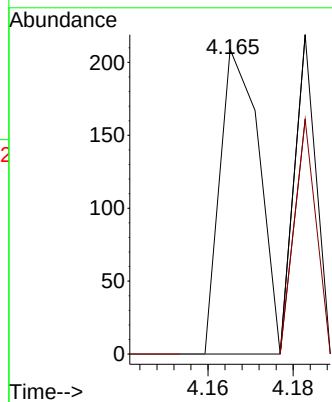
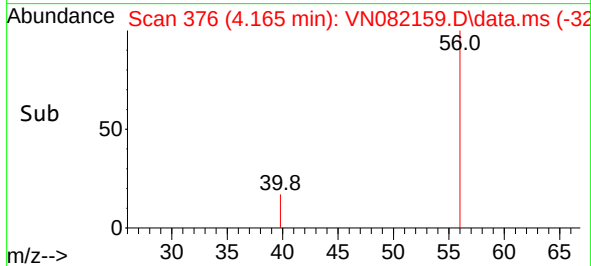
55 42.9 55.8 83.8

Manual Integrations

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Reviewed By :Mahesh Dadoda 05/17/2024

Supervised By :Semsettin Yesilyurt 05/17/2024



#15

Acrylonitrile

Concen: 0.617 ug/l

RT: 5.718 min Scan# 640

Delta R.T. -0.000 min

Lab File: VN082159.D

Acq: 16 May 2024 14:07

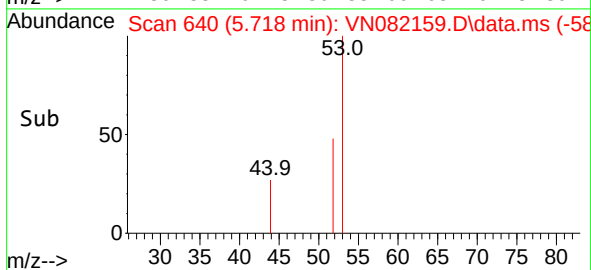
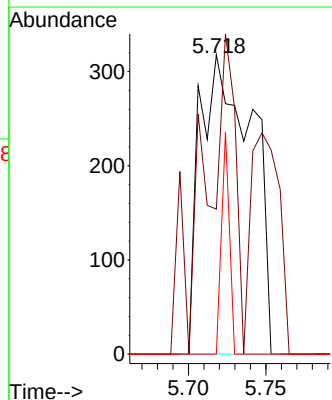
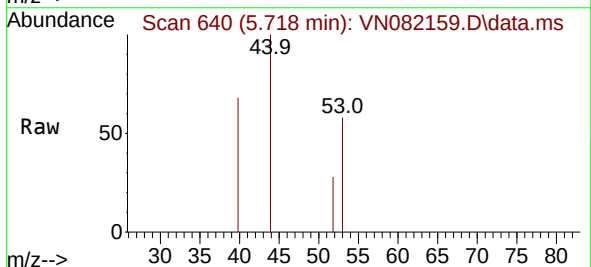
Tgt Ion: 53 Resp: 740

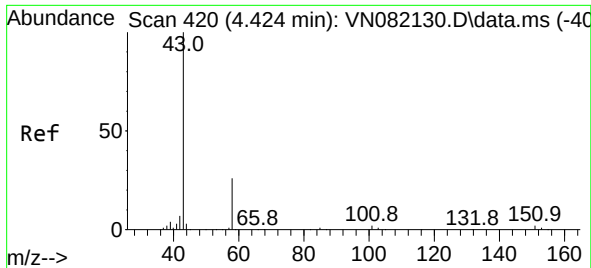
Ion Ratio Lower Upper

53 100

52 65.0 66.1 99.1#

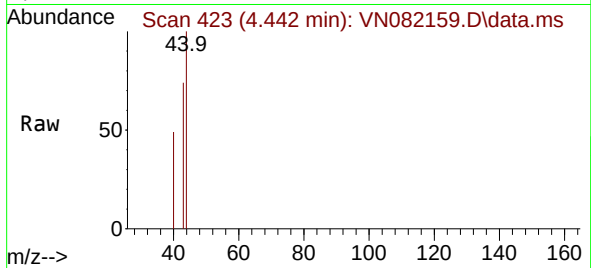
51 11.2 29.4 44.2#





#16
Acetone
Concen: 1.087 ug/l m
RT: 4.442 min Scan# 41
Delta R.T. 0.018 min
Lab File: VN082159.D
Acq: 16 May 2024 14:07

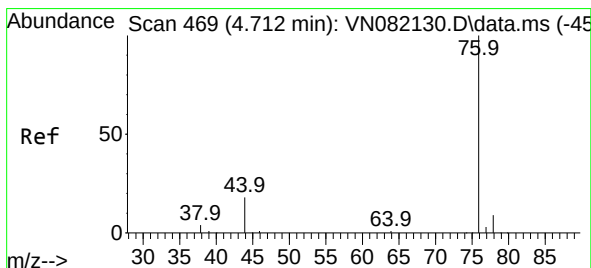
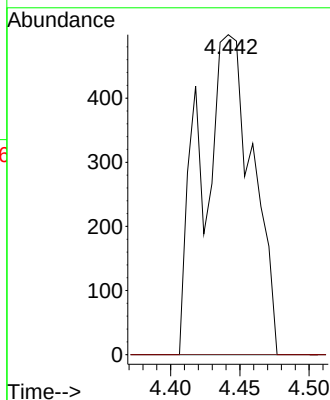
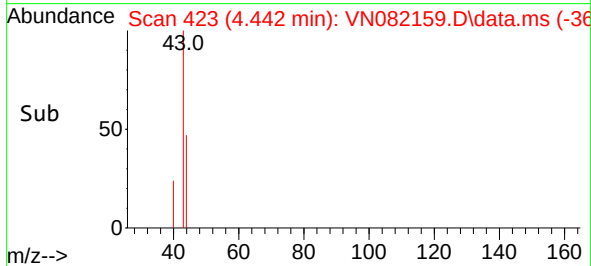
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT2-2024



Tgt Ion: 43 Resp: 128
Ion Ratio Lower Upper
43 100
58 0.0 25.2 37.8

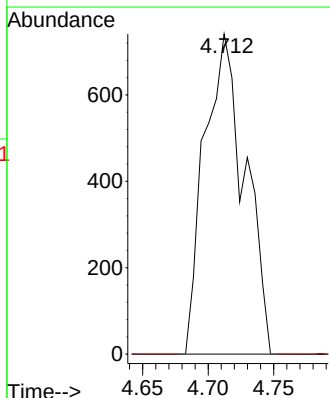
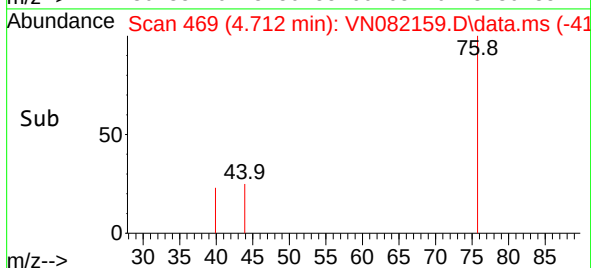
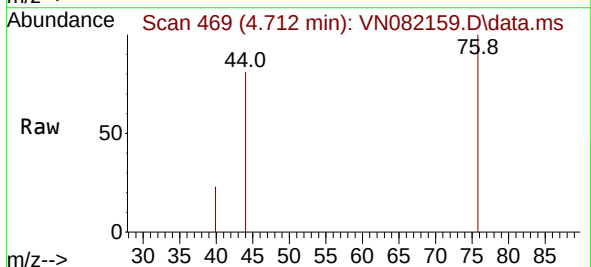
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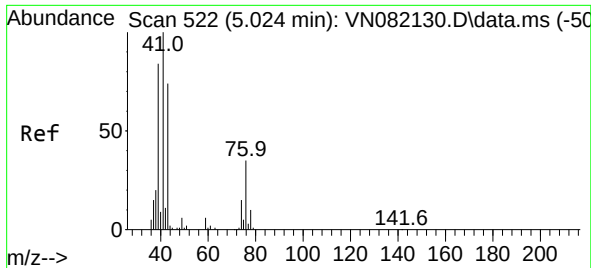
Reviewed By :Mahesh Dadoda 05/17/2024
Supervised By :Semsettin Yesilyurt 05/17/2024



#17
Carbon Disulfide
Concen: 0.248 ug/l
RT: 4.712 min Scan# 469
Delta R.T. -0.000 min
Lab File: VN082159.D
Acq: 16 May 2024 14:07

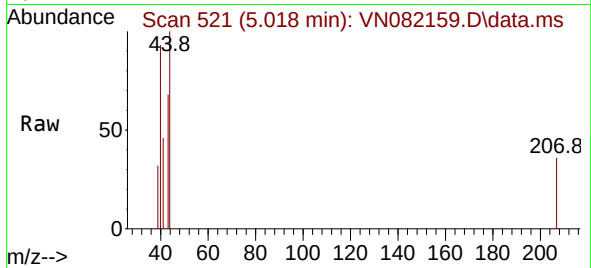
Tgt Ion: 76 Resp: 1595
Ion Ratio Lower Upper
76 100
78 0.0 7.5 11.3





#18
Methyl Acetate
Concen: 0.292 ug/l
RT: 5.018 min Scan# 51
Delta R.T. -0.006 min
Lab File: VN082159.D
Acq: 16 May 2024 14:07

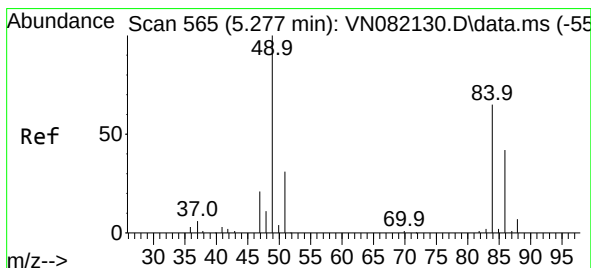
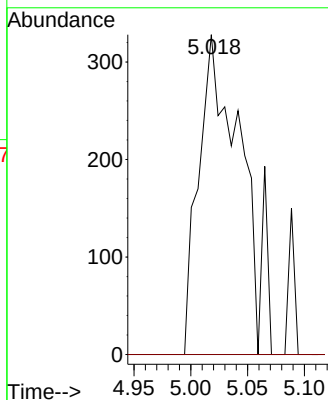
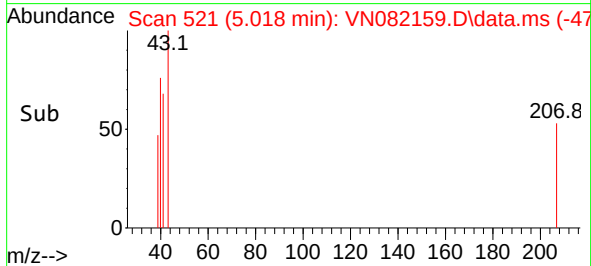
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT2-2024



Tgt Ion: 43 Resp: 860
Ion Ratio Lower Upper
43 100
74 0.0 22.2 33.2

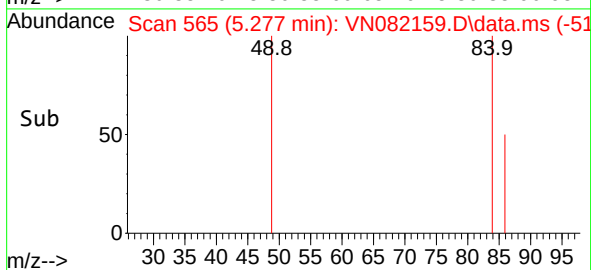
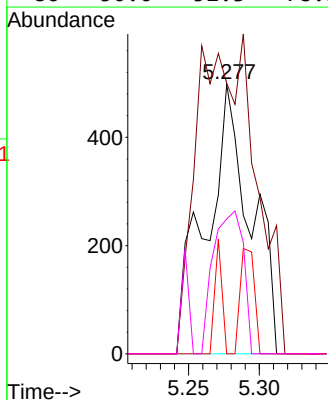
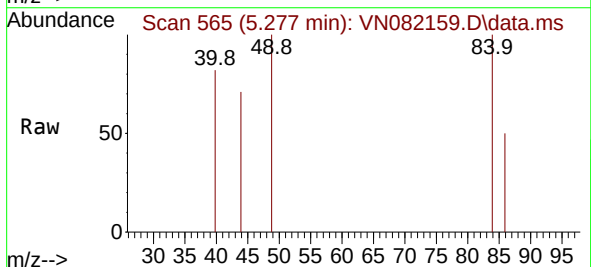
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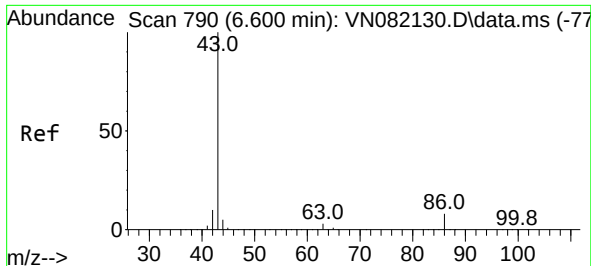
Reviewed By :Mahesh Dadoda 05/17/2024
Supervised By :Semsettin Yesilyurt 05/17/2024



#20
Methylene Chloride
Concen: 0.456 ug/l m
RT: 5.277 min Scan# 565
Delta R.T. -0.000 min
Lab File: VN082159.D
Acq: 16 May 2024 14:07

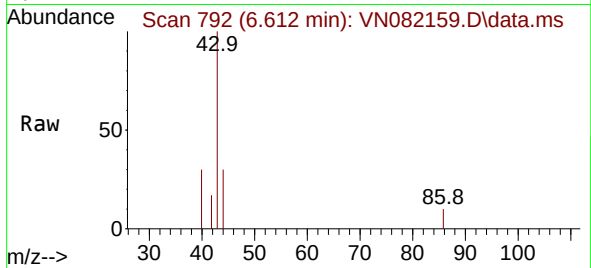
Tgt Ion: 84 Resp: 1089
Ion Ratio Lower Upper
84 100
49 100.4 84.9 127.3
51 0.0 27.0 40.6#
86 50.0 52.3 78.5#





#23
 Vinyl Acetate
 Concen: 0.715 ug/l m
 RT: 6.612 min Scan# 791
 Delta R.T. 0.012 min
 Lab File: VN082159.D
 Acq: 16 May 2024 14:07

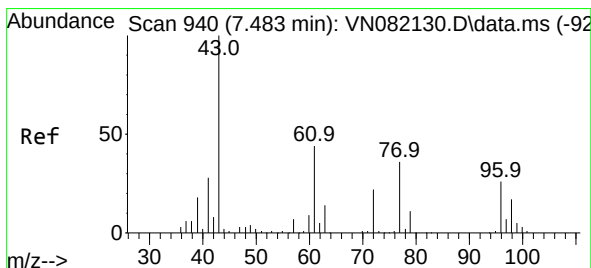
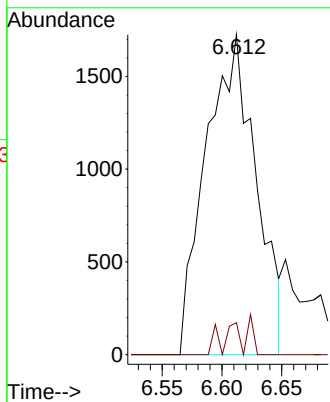
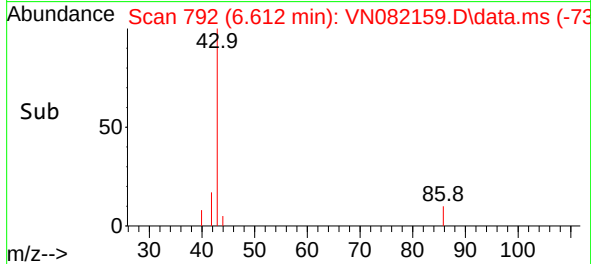
Instrument :
 MSVOA_N
 ClientSampleId :
 MDL-WATER-03-QT2-2024



Tgt Ion: 43 Resp: 502
 Ion Ratio Lower Upper
 43 100
 86 10.0 10.2 15.4

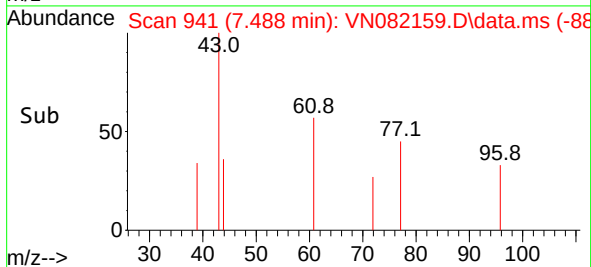
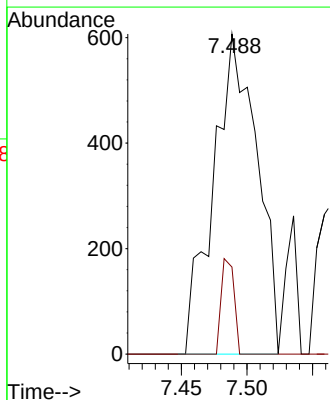
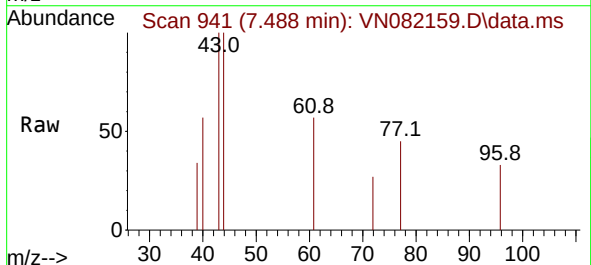
Manual Integrations
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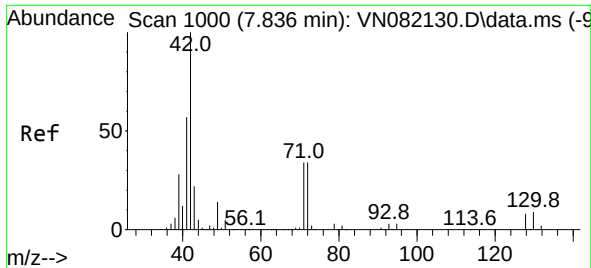
Reviewed By :Mahesh Dadoda 05/17/2024
 Supervised By :Semsettin Yesilyurt 05/17/2024



#25
 2-Butanone
 Concen: 0.786 ug/l
 RT: 7.488 min Scan# 941
 Delta R.T. 0.006 min
 Lab File: VN082159.D
 Acq: 16 May 2024 14:07

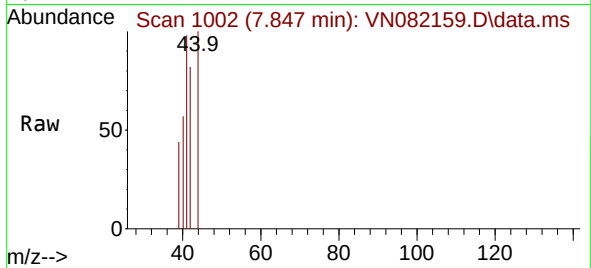
Tgt Ion: 43 Resp: 1410
 Ion Ratio Lower Upper
 43 100
 72 27.2 25.3 37.9





#29
Tetrahydrofuran
Concen: 0.756 ug/l
RT: 7.847 min Scan# 1067
Delta R.T. 0.011 min
Lab File: VN082159.D
Acq: 16 May 2024 14:07

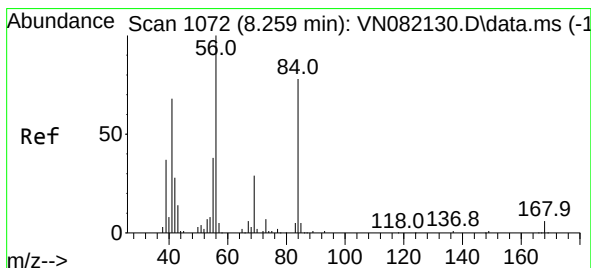
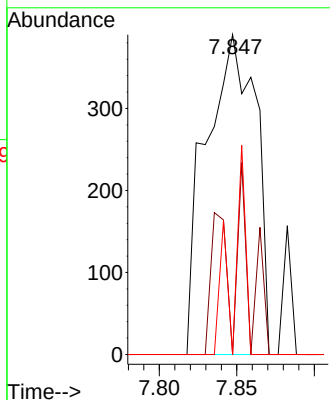
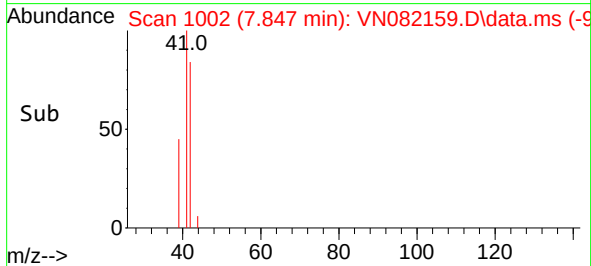
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT2-2024



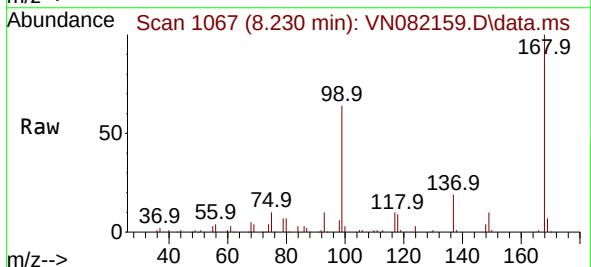
Tgt Ion: 42 Resp: 870
Ion Ratio Lower Upper
42 100
72 15.7 39.3 58.9
71 16.9 37.4 56.0

Manual Integrations
APPROVED

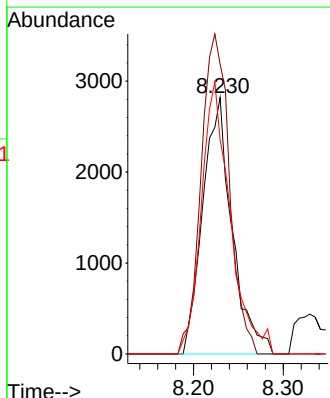
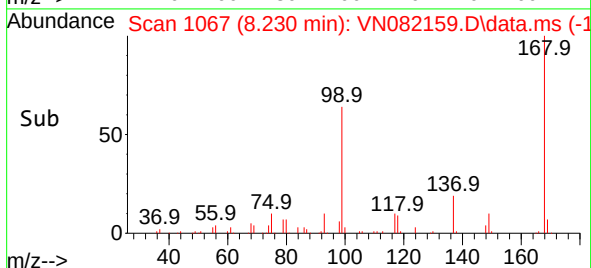
Reviewed By :Mahesh Dadoda 05/17/2024
Supervised By :Semsettin Yesilyurt 05/17/2024

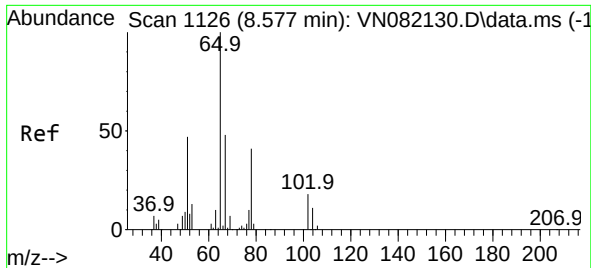


#31
Cyclohexane
Concen: 1.385 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.029 min
Lab File: VN082159.D
Acq: 16 May 2024 14:07



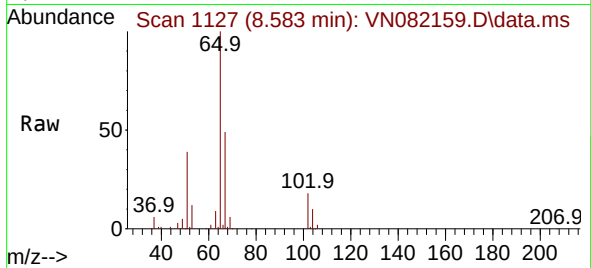
Tgt Ion: 56 Resp: 6375
Ion Ratio Lower Upper
56 100
69 113.0 24.4 36.6
84 83.5 77.0 115.4





#33
1,2-Dichloroethane-d4
Concen: 51.488 ug/l
RT: 8.583 min Scan# 1126
Delta R.T. 0.006 min
Lab File: VN082159.D
Acq: 16 May 2024 14:07

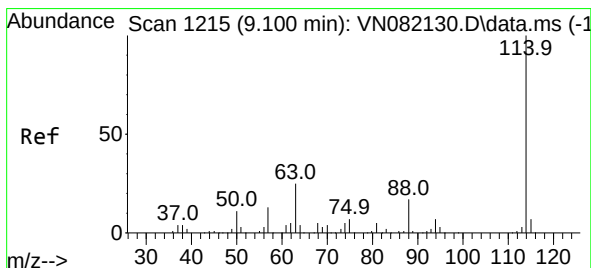
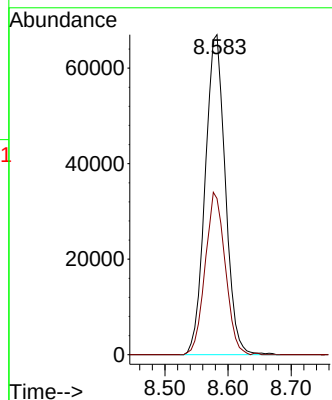
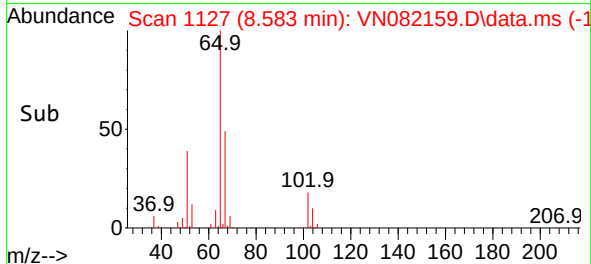
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT2-2024



Tgt Ion: 65 Resp: 148429
Ion Ratio Lower Upper
65 100
67 50.5 0.0 103.0

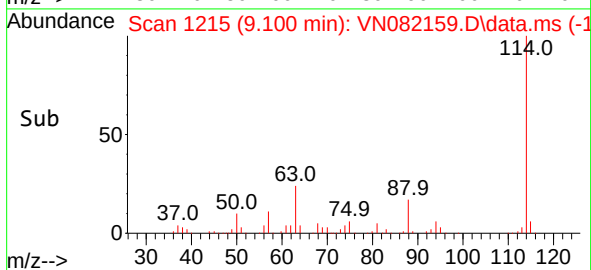
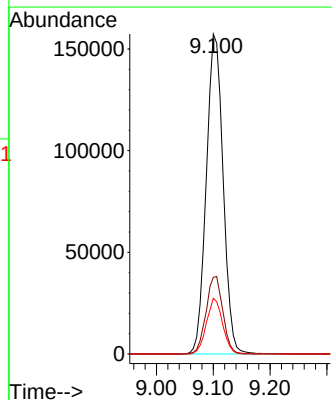
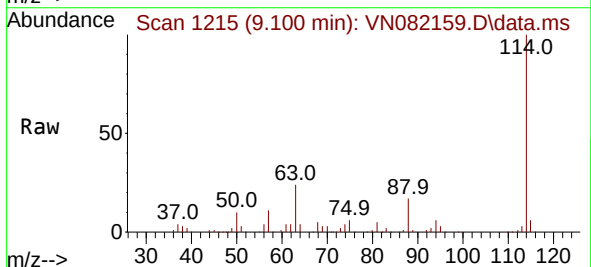
Manual Integrations
APPROVED

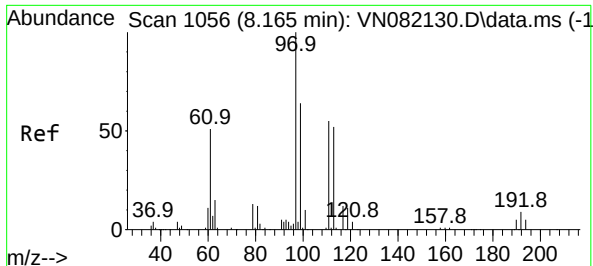
Reviewed By :Mahesh Dadoda 05/17/2024
Supervised By :Semsettin Yesilyurt 05/17/2024



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. -0.000 min
Lab File: VN082159.D
Acq: 16 May 2024 14:07

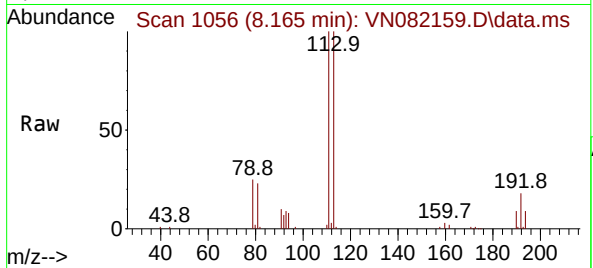
Tgt Ion:114 Resp: 322612
Ion Ratio Lower Upper
114 100
63 23.9 0.0 41.0
88 17.4 0.0 31.4





#35
Dibromofluoromethane
Concen: 50.701 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VN082159.D
Acq: 16 May 2024 14:07

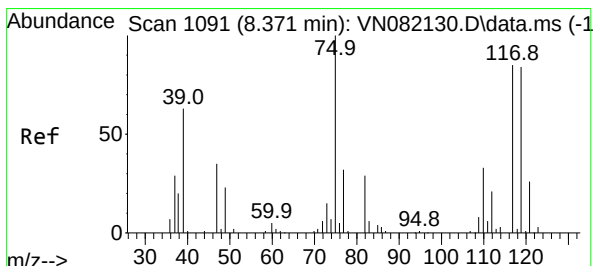
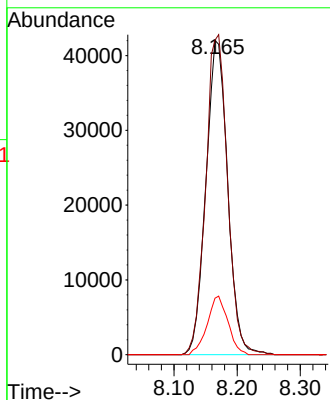
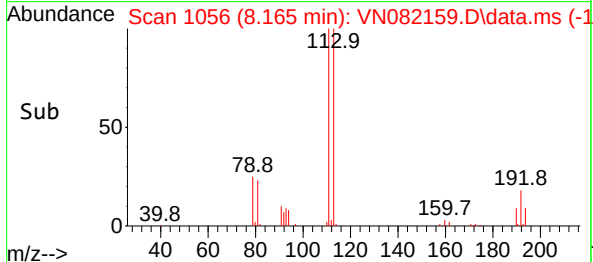
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT2-2024



Tgt Ion: 113 Resp: 100619
Ion Ratio Lower Upper
113 100
111 102.5 83.4 125.2
192 17.7 14.0 21.0

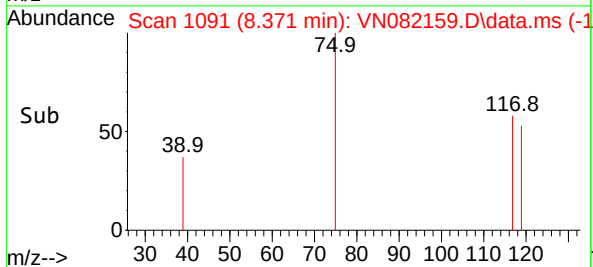
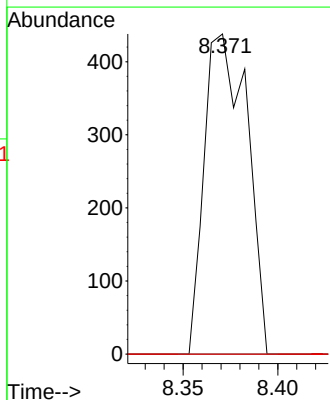
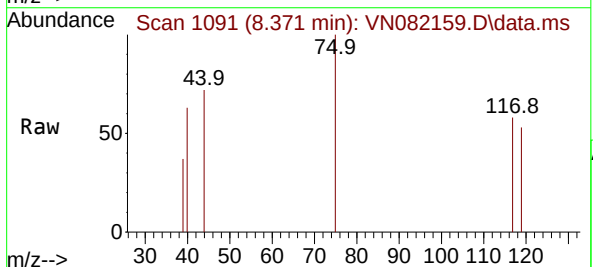
Manual Integrations
APPROVED

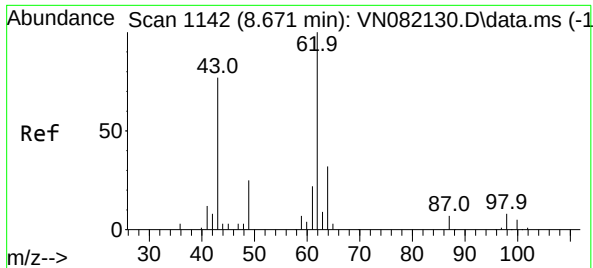
Reviewed By :Mahesh Dadoda 05/17/2024
Supervised By :Semsettin Yesilyurt 05/17/2024



#36
1,1-Dichloropropene
Concen: 0.206 ug/l
RT: 8.371 min Scan# 1091
Delta R.T. -0.000 min
Lab File: VN082159.D
Acq: 16 May 2024 14:07

Tgt Ion: 75 Resp: 687
Ion Ratio Lower Upper
75 100
110 0.0 17.8 53.5#
77 0.0 25.0 37.4#





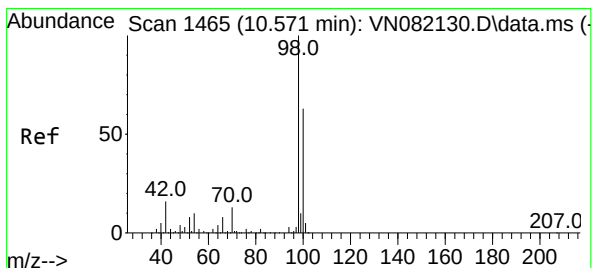
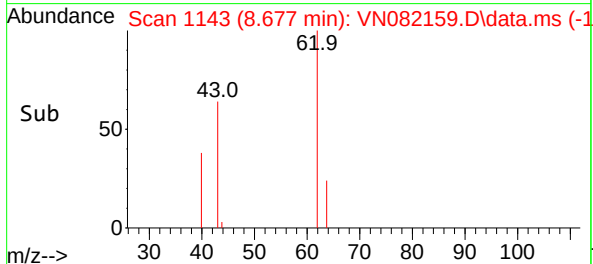
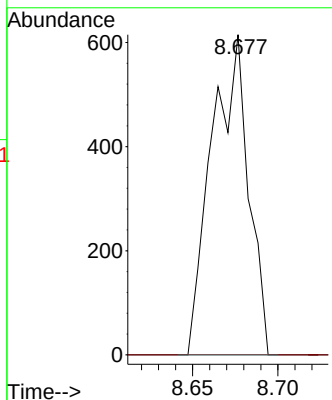
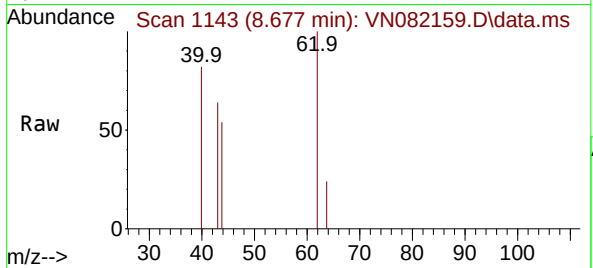
#42
1,2-Dichloroethane
Concen: 0.241 ug/l
RT: 8.677 min Scan# 1142
Delta R.T. 0.006 min
Lab File: VN082159.D
Acq: 16 May 2024 14:07

Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT2-2024

Tgt Ion: 62 Resp: 920
Ion Ratio Lower Upper
62 100
98 0.0 0.0 19.6

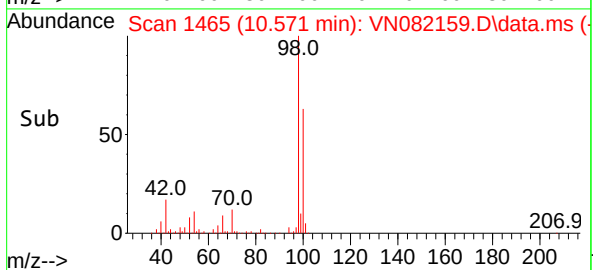
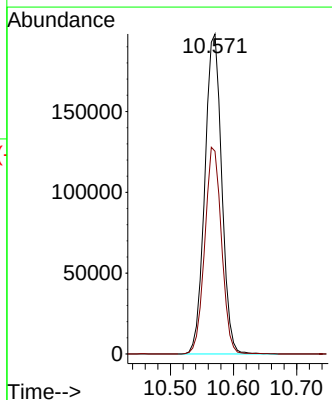
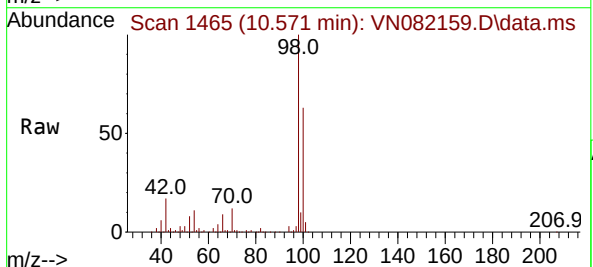
Manual Integrations
APPROVED

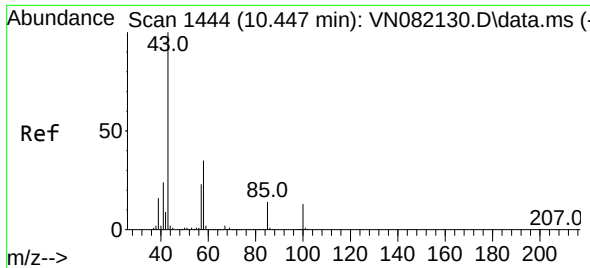
Reviewed By :Mahesh Dadoda 05/17/2024
Supervised By :Semsettin Yesilyurt 05/17/2024



#50
Toluene-d8
Concen: 48.246 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN082159.D
Acq: 16 May 2024 14:07

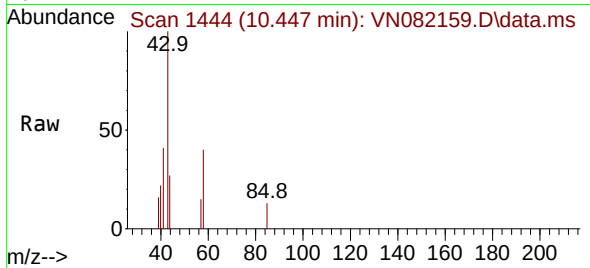
Tgt Ion: 98 Resp: 367089
Ion Ratio Lower Upper
98 100
100 64.1 51.8 77.6





#51
4-Methyl-2-Pentanone
Concen: 0.729 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. -0.000 min
Lab File: VN082159.D
Acq: 16 May 2024 14:07

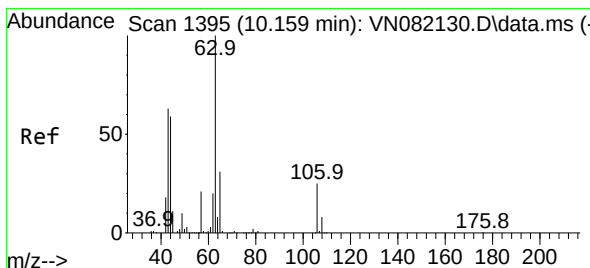
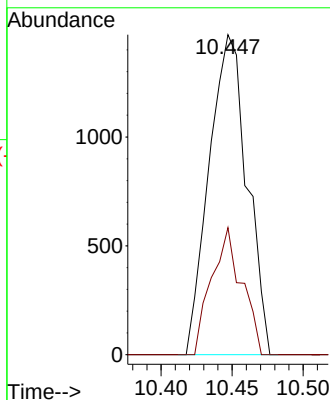
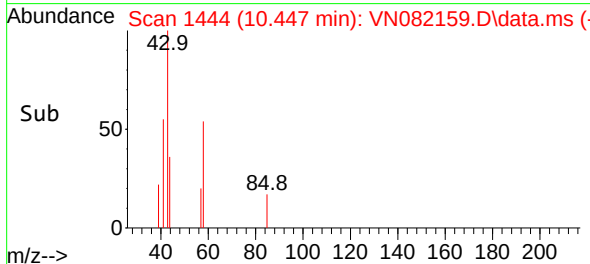
Instrument : MSVOA_N
ClientSampleId : MDL-WATER-03-QT2-2024



Tgt Ion: 43 Resp: 273
Ion Ratio Lower Upper
43 100
58 31.7 33.2 49.8

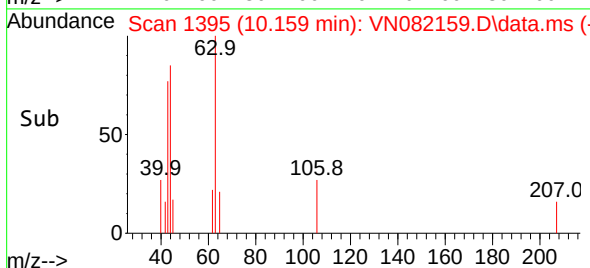
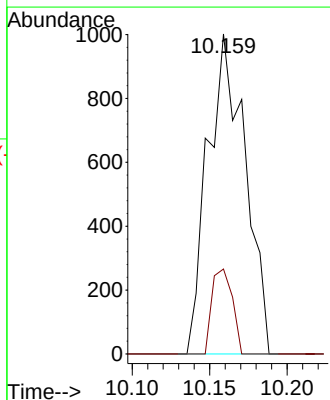
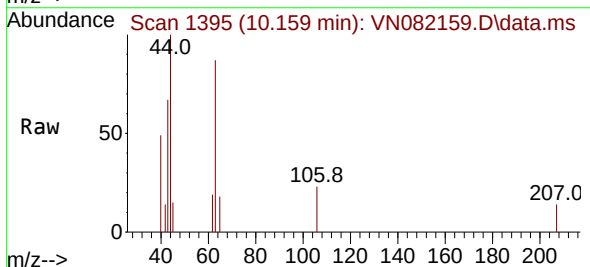
Manual Integrations
APPROVED

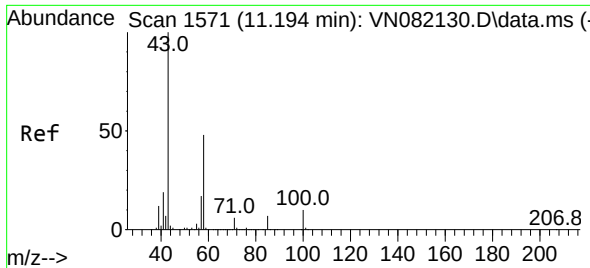
Reviewed By :Mahesh Dadoda 05/17/2024
Supervised By :Semsettin Yesilyurt 05/17/2024



#58
2-Chloroethyl Vinyl ether
Concen: 0.886 ug/l
RT: 10.159 min Scan# 1395
Delta R.T. -0.000 min
Lab File: VN082159.D
Acq: 16 May 2024 14:07

Tgt Ion: 63 Resp: 1680
Ion Ratio Lower Upper
63 100
106 14.5 24.6 36.8





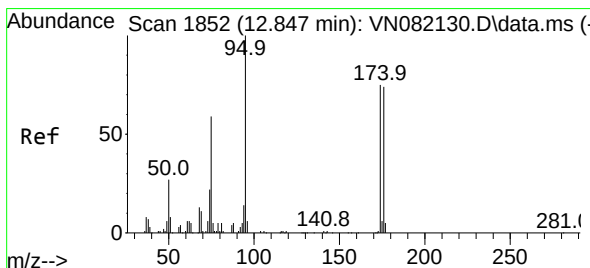
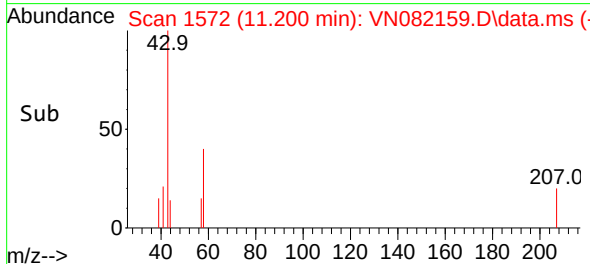
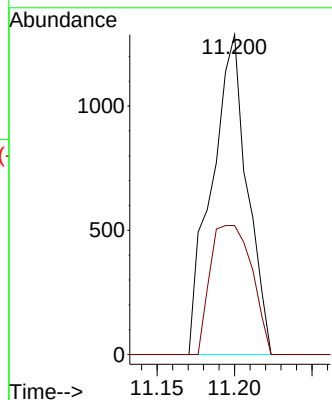
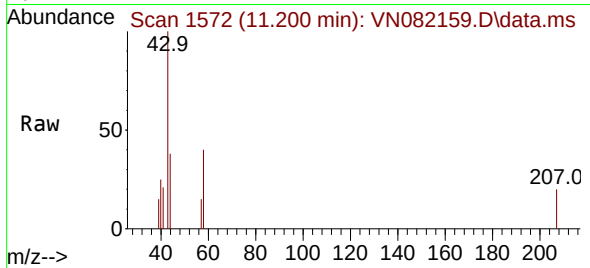
#59
2-Hexanone
Concen: 0.747 ug/l
RT: 11.200 min Scan# 1152
Delta R.T. 0.006 min
Lab File: VN082159.D
Acq: 16 May 2024 14:07

Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT2-2024

Tgt Ion: 43 Resp: 2052
Ion Ratio Lower Upper
43 100
58 47.3 28.3 84.9

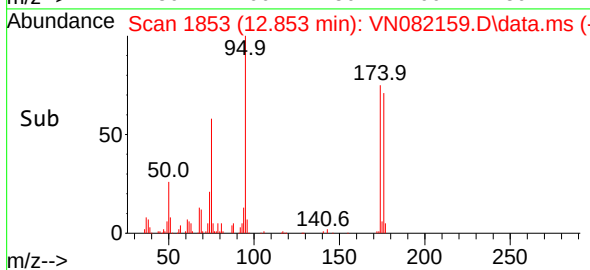
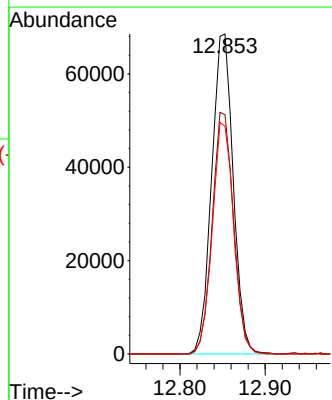
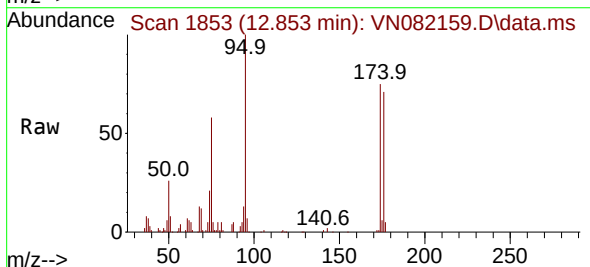
Manual Integrations
APPROVED

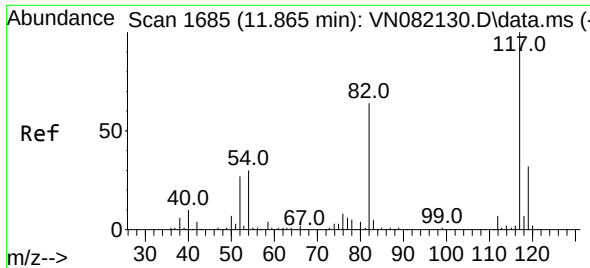
Reviewed By :Mahesh Dadoda 05/17/2024
Supervised By :Semsettin Yesilyurt 05/17/2024



#62
4-Bromofluorobenzene
Concen: 44.214 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN082159.D
Acq: 16 May 2024 14:07

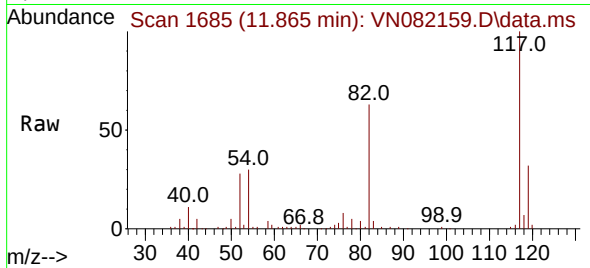
Tgt Ion: 95 Resp: 120073
Ion Ratio Lower Upper
95 100
174 74.8 0.0 160.6
176 71.8 0.0 152.8





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN082159.D
Acq: 16 May 2024 14:07

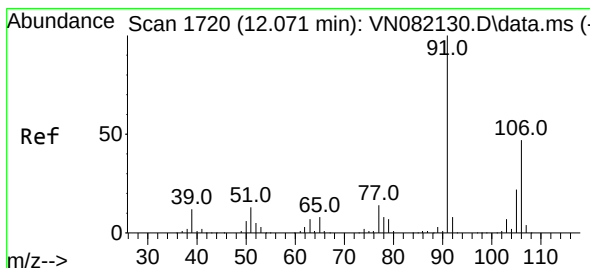
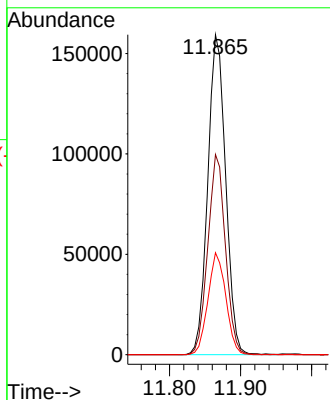
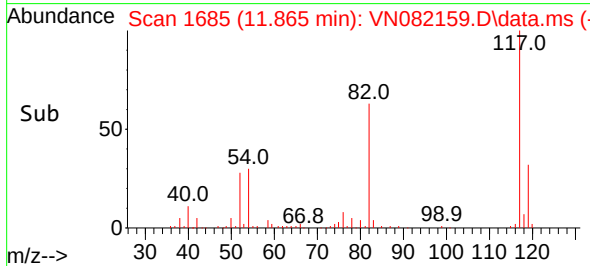
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT2-2024



Tgt Ion:117 Resp: 278808
Ion Ratio Lower Upper
117 100
82 62.5 44.6 66.8
119 31.9 25.9 38.9

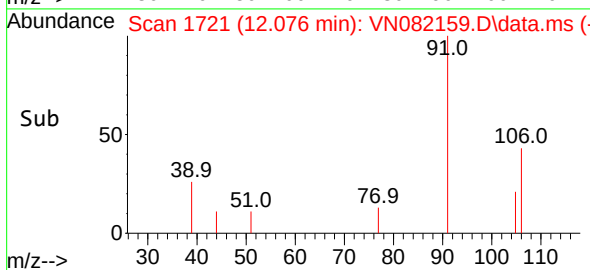
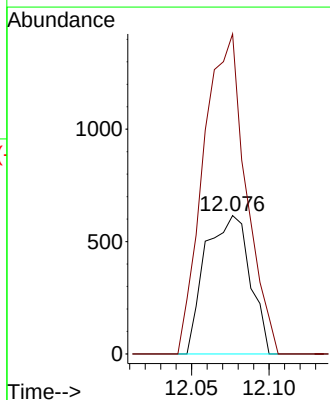
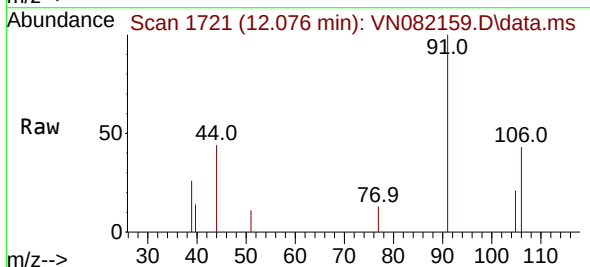
Manual Integrations
APPROVED

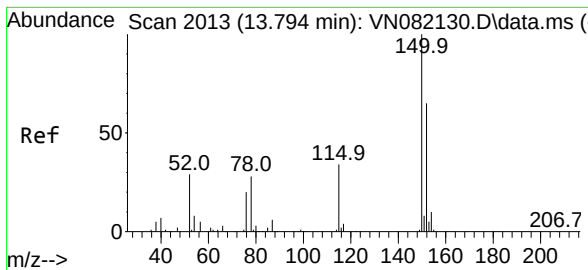
Reviewed By :Mahesh Dadoda 05/17/2024
Supervised By :Semsettin Yesilyurt 05/17/2024



#68
m/p-Xylenes
Concen: 0.304 ug/l
RT: 12.076 min Scan# 1721
Delta R.T. 0.006 min
Lab File: VN082159.D
Acq: 16 May 2024 14:07

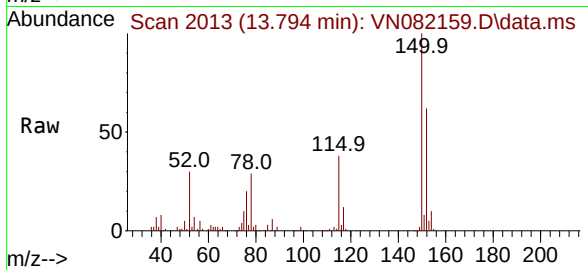
Tgt Ion:106 Resp: 1228
Ion Ratio Lower Upper
106 100
91 221.0 159.4 239.0





#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. -0.000 min
Lab File: VN082159.D
Acq: 16 May 2024 14:07

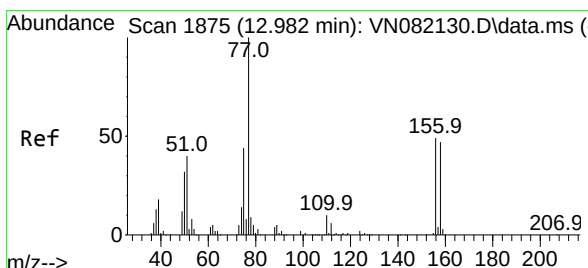
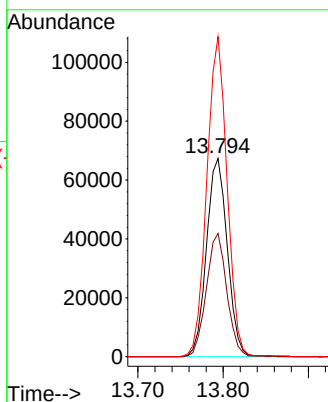
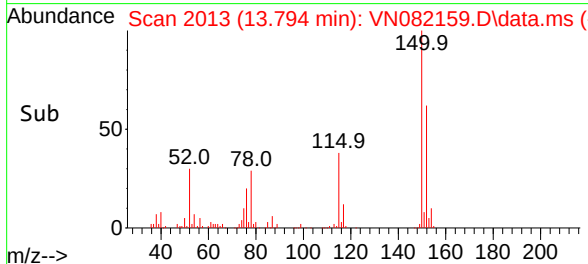
Instrument : MSVOA_N
ClientSampleId : MDL-WATER-03-QT2-2024



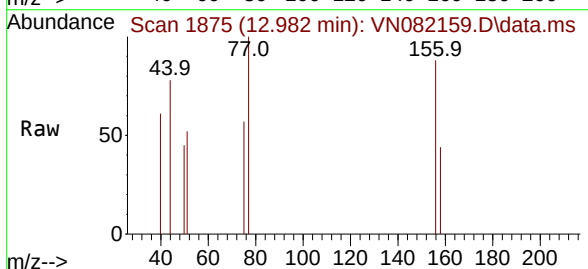
Tgt Ion:152 Resp: 114404
Ion Ratio Lower Upper
152 100
115 61.3 30.4 91.3
150 156.6 0.0 353.2

Manual Integrations
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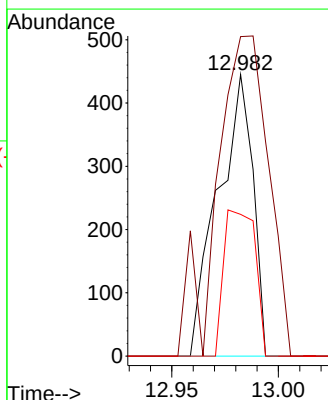
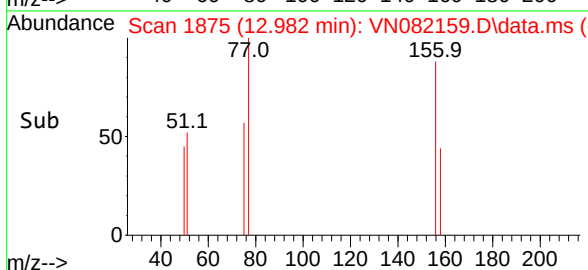
Reviewed By :Mahesh Dadoda 05/17/2024
Supervised By :Semsettin Yesilyurt 05/17/2024

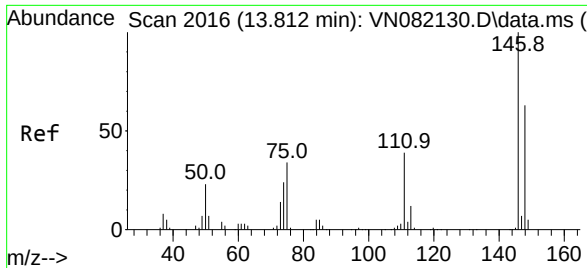


#77
Bromobenzene
Concen: 0.234 ug/l
RT: 12.982 min Scan# 1875
Delta R.T. -0.000 min
Lab File: VN082159.D
Acq: 16 May 2024 14:07



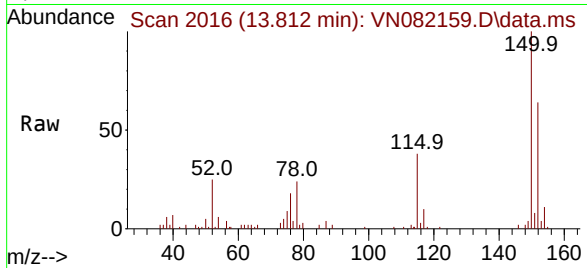
Tgt Ion:156 Resp: 507
Ion Ratio Lower Upper
156 100
77 168.6 100.2 300.6
158 46.5 49.1 147.3#





#88
 1,4-Dichlorobenzene
 Concen: 0.201 ug/l m
 RT: 13.812 min Scan# 20
 Delta R.T. -0.000 min
 Lab File: VN082159.D
 Acq: 16 May 2024 14:07

Instrument :
 MSVOA_N
 ClientSampleId :
 MDL-WATER-03-QT2-2024



Tgt Ion	Ratio	Lower	Upper
146	100		
111	255.3	19.3	57.9
148	126.6	31.3	93.9

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 05/17/2024
 Supervised By :Semsettin Yesilyurt 05/17/2024

