

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081324\
 Data File : VN083257.D
 Acq On : 13 Aug 2024 14:55
 Operator : JC\MD
 Sample : P3390-07 0.2PPB
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 LOD-MDL-WATER-01-QT3-2024

Quant Time: Aug 14 02:58:32 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N080724W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 14 02:57:40 2024
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 08/14/2024
 Supervised By :Semsettin Yesilyurt 08/14/2024

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	170859	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	298772	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	255707	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	107467	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	133816	55.023	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 110.040%			
35) Dibromofluoromethane	8.171	113	96661	51.833	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.660%			
50) Toluene-d8	10.565	98	350384	50.368	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.740%			
62) 4-Bromofluorobenzene	12.847	95	131420	48.459	ug/l	0.00
Spiked Amount 50.000	Range 64 - 133		Recovery = 96.920%			
Target Compounds						
					Qvalue	
3) Chloromethane	2.365	50	517	0.261	ug/l #	43
5) Bromomethane	2.953	94	424	0.338	ug/l #	56
6) Chloroethane	3.124	64	293	0.231	ug/l #	41
11) Tert butyl alcohol	5.530	59	224	0.443	ug/l #	71
13) Acrolein	4.177	56	245	0.744	ug/l #	14
15) Acrylonitrile	5.724	53	369	0.355	ug/l #	37
16) Acetone	4.447	43	1736	1.824	ug/l #	48
17) Carbon Disulfide	4.718	76	1601	0.289	ug/l #	75
18) Methyl Acetate	5.030	43	690	0.243	ug/l #	56
20) Methylene Chloride	5.289	84	840	0.384	ug/l #	47
23) Vinyl Acetate	6.612	43	4796m	0.695	ug/l	
25) 2-Butanone	7.500	43	1152	0.788	ug/l #	53
29) Tetrahydrofuran	7.847	42	666	0.705	ug/l #	54
31) Cyclohexane	8.230	56	5043	1.399	ug/l #	16
42) 1,2-Dichloroethane	8.665	62	640	0.209	ug/l #	78
43) Isopropyl Acetate	8.688	43	3696	0.511	ug/l #	60
44) Trichloroethene	9.347	130	569	0.284	ug/l	52
51) 4-Methyl-2-Pentanone	10.447	43	2068	0.692	ug/l	98
58) 2-Chloroethyl Vinyl ether	10.159	63	1366	0.901	ug/l #	76
59) 2-Hexanone	11.200	43	1552	0.672	ug/l	87
68) m/p-Xylenes	12.071	106	1304	0.336	ug/l	94
88) 1,4-Dichlorobenzene	13.817	146	855	0.226	ug/l #	44
91) 1,2-Dichlorobenzene	14.094	146	808	0.222	ug/l #	46
96) 1,2,3-Trichlorobenzene	15.835	180	420	0.208	ug/l #	63

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

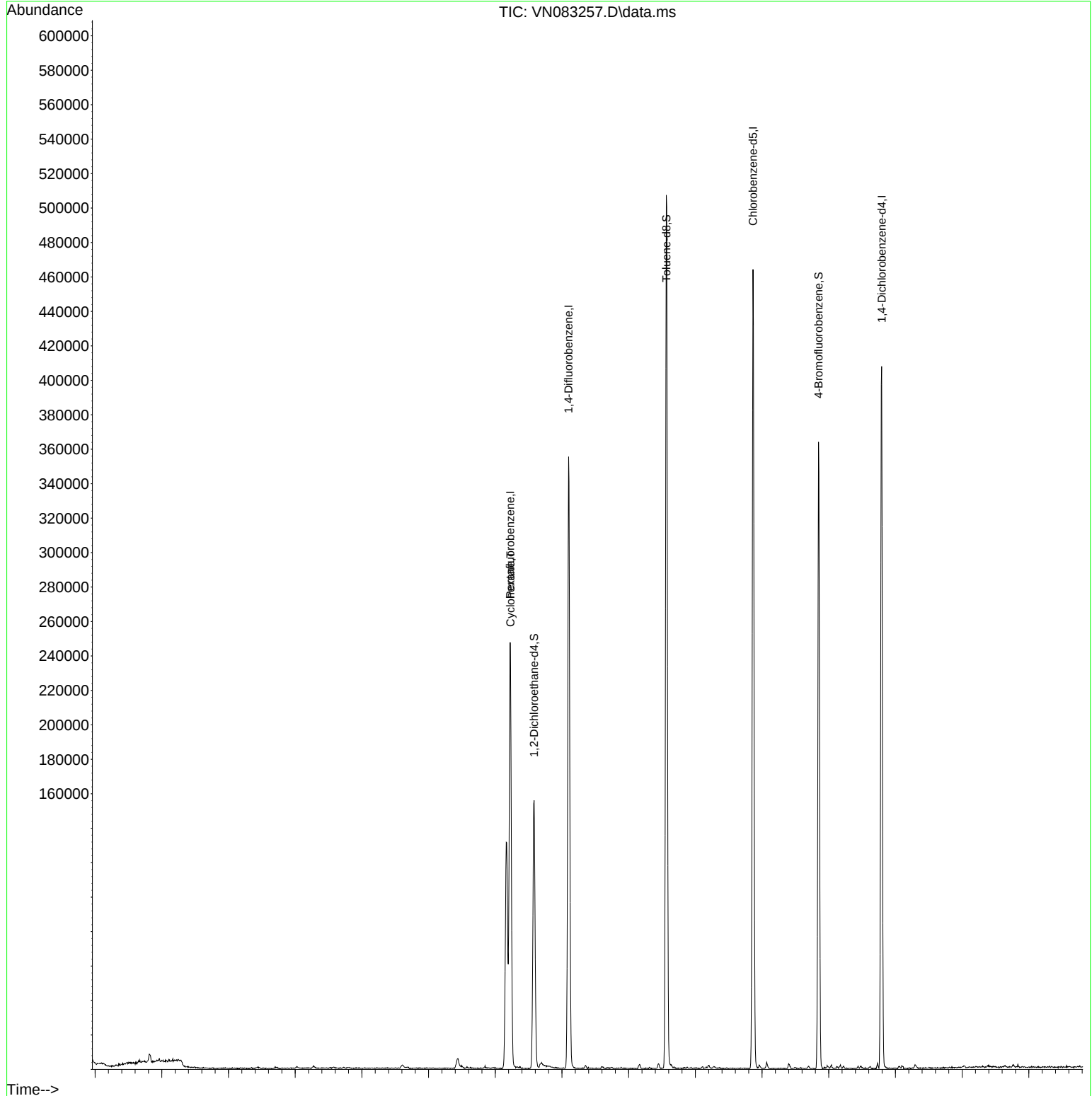
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081324\
Data File : VN083257.D
Acq On : 13 Aug 2024 14:55
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Sample : P3390-07 0.2PPB
Misc : 5.0mL/MSVOA_N/WATER
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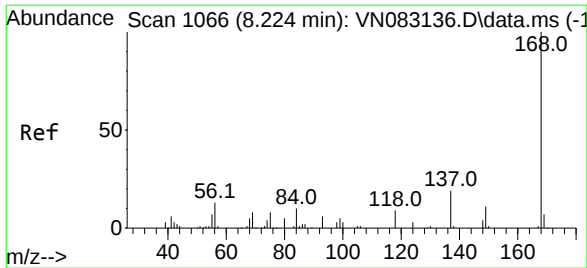
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT3-2024

Quant Time: Aug 14 02:58:32 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N080724W.M
Quant Title : SW846 8260
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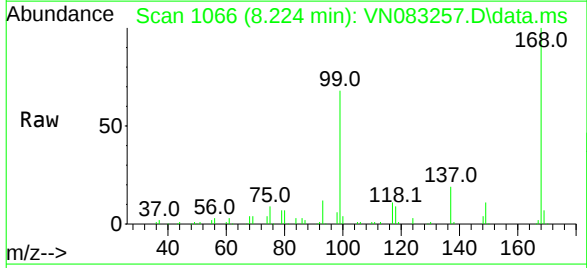
Reviewed By :Mahesh Dadoda 08/14/2024
Supervised By :Semsettin Yesilyurt 08/14/2024





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN083257.D
Acq: 13 Aug 2024 14:55

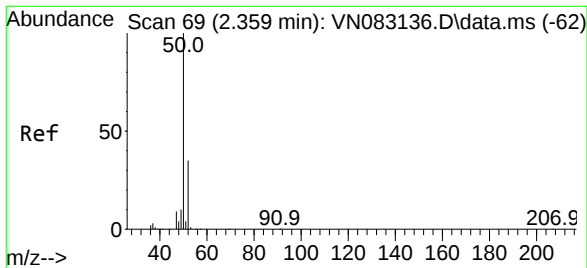
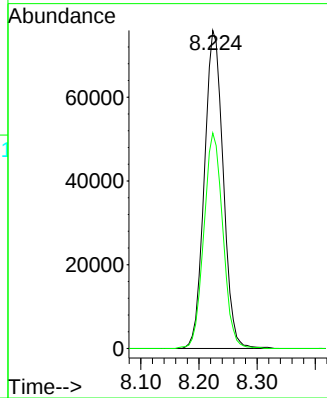
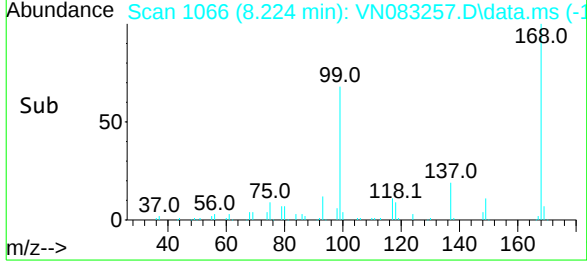
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT3-2024



Tgt Ion: 168 Resp: 170859
Ion Ratio Lower Upper
168 100
99 67.8 48.2 72.4

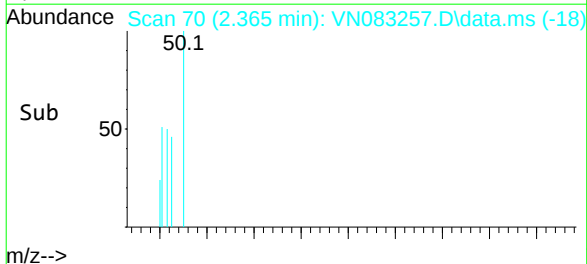
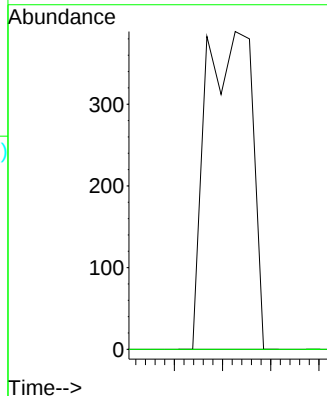
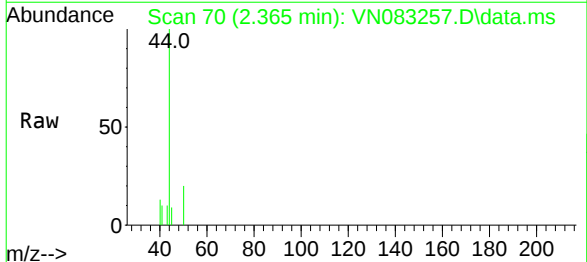
Manual Integrations
APPROVED

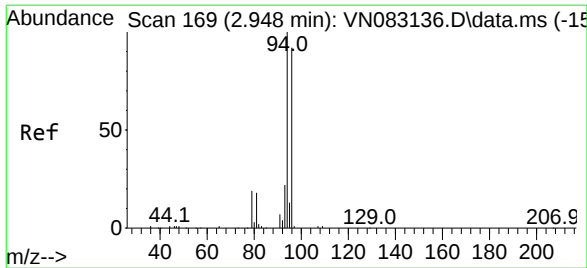
Reviewed By :Mahesh Dadoda 08/14/2024
Supervised By :Semsettin Yesilyurt 08/14/2024



#3
Chloromethane
Concen: 0.261 ug/l
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN083257.D
Acq: 13 Aug 2024 14:55

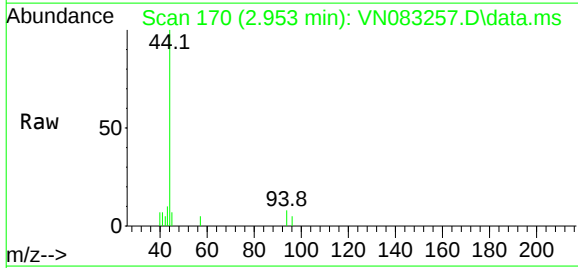
Tgt Ion: 50 Resp: 517
Ion Ratio Lower Upper
50 100
52 0.0 25.0 37.4#





#5
Bromomethane
Concen: 0.338 ug/l
RT: 2.953 min Scan# 171
Delta R.T. 0.006 min
Lab File: VN083257.D
Acq: 13 Aug 2024 14:55

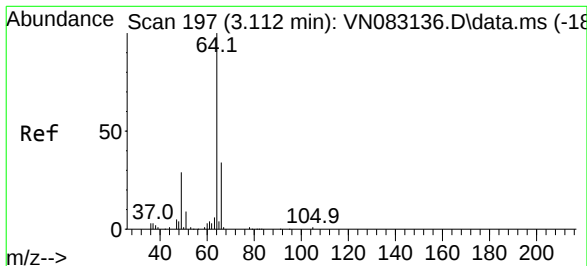
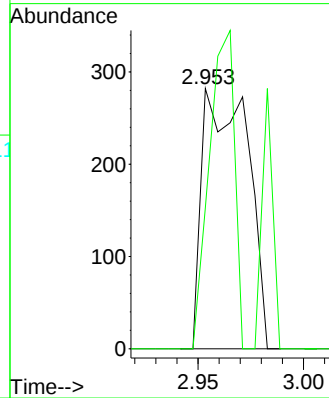
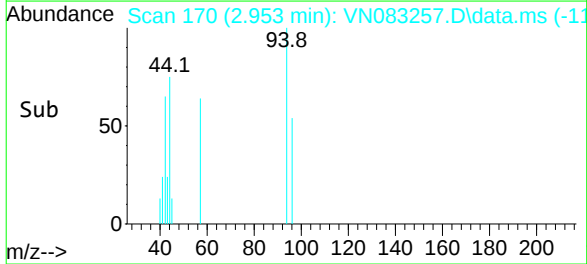
Instrument : MSVOA_N
ClientSampleId : LOD-MDL-WATER-01-QT3-2024



Tgt Ion: 94 Resp: 424
Ion Ratio Lower Upper
94 100
96 54.3 78.0 117.0#

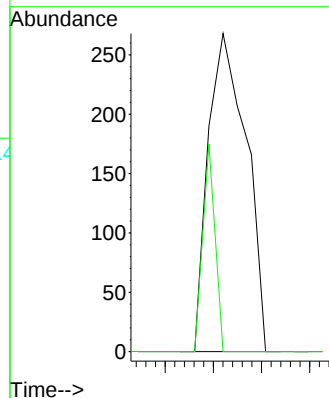
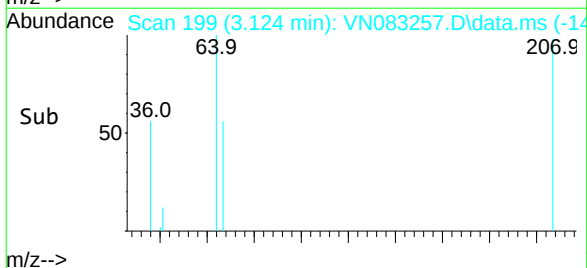
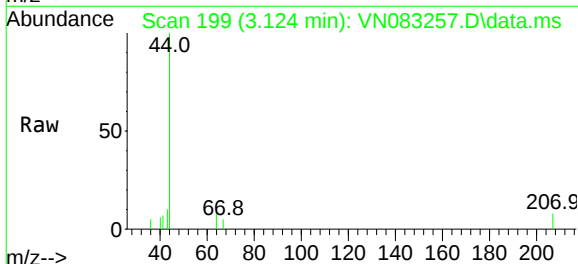
Manual Integrations
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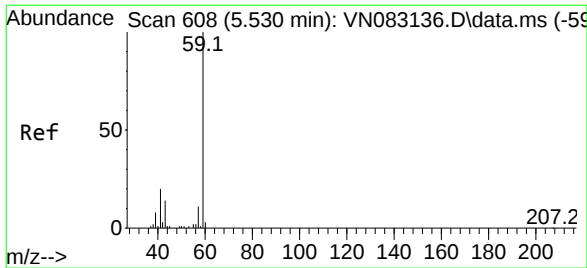
Reviewed By :Mahesh Dadoda 08/14/2024
Supervised By :Semsettin Yesilyurt 08/14/2024



#6
Chloroethane
Concen: 0.231 ug/l
RT: 3.124 min Scan# 199
Delta R.T. 0.012 min
Lab File: VN083257.D
Acq: 13 Aug 2024 14:55

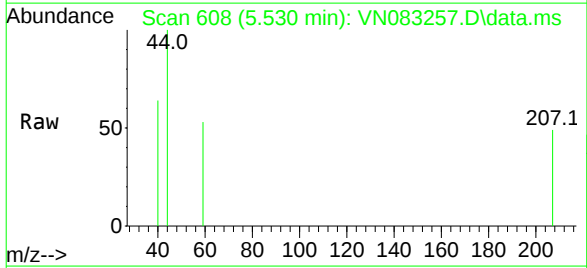
Tgt Ion: 64 Resp: 293
Ion Ratio Lower Upper
64 100
66 0.0 26.6 40.0#





#11
Tert butyl alcohol
Concen: 0.443 ug/l
RT: 5.530 min Scan# 608
Delta R.T. 0.000 min
Lab File: VN083257.D
Acq: 13 Aug 2024 14:55

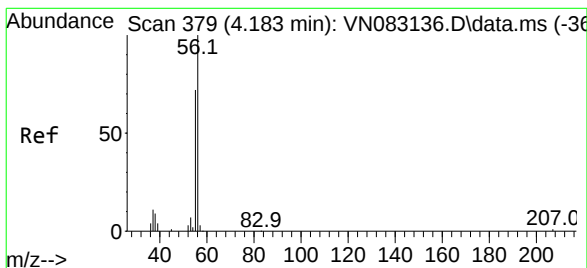
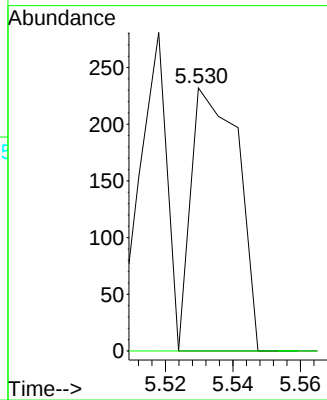
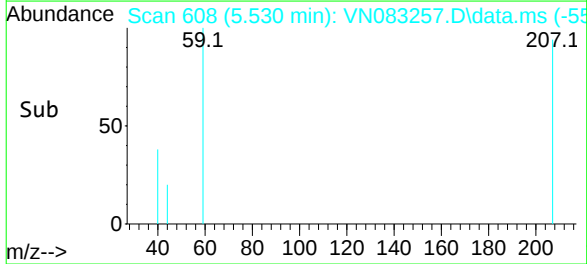
Instrument : MSVOA_N
ClientSampleId : LOD-MDL-WATER-01-QT3-2024



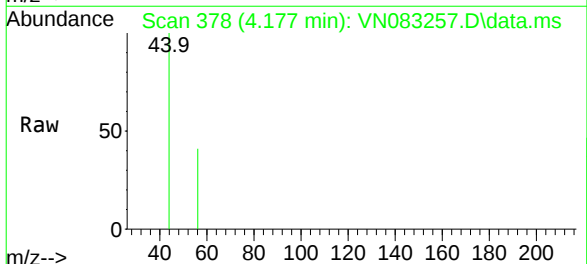
Tgt Ion: 59 Resp: 224
Ion Ratio Lower Upper
59 100
57 0.0 8.9 13.3#

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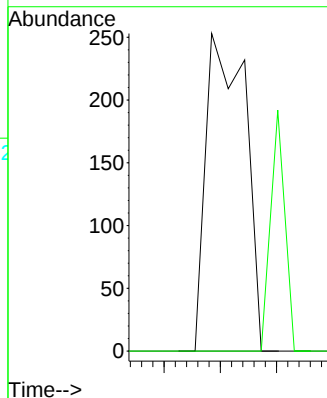
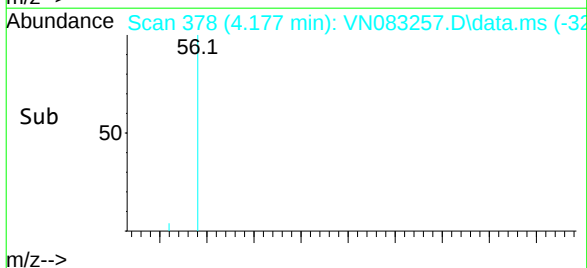
Reviewed By :Mahesh Dadoda 08/14/2024
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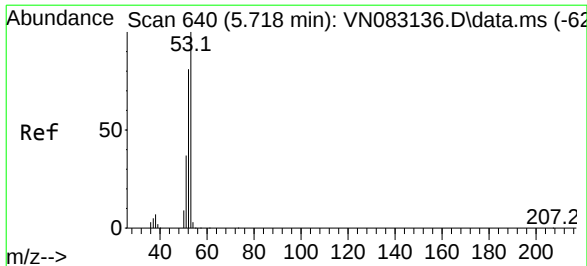


#13
Acrolein
Concen: 0.744 ug/l
RT: 4.177 min Scan# 378
Delta R.T. -0.006 min
Lab File: VN083257.D
Acq: 13 Aug 2024 14:55



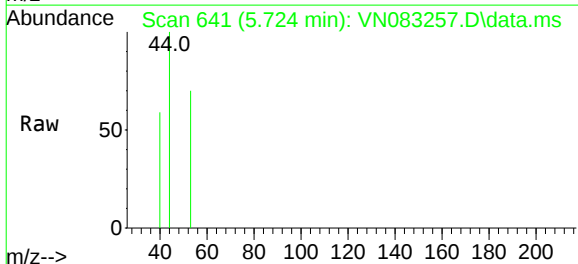
Tgt Ion: 56 Resp: 245
Ion Ratio Lower Upper
56 100
55 0.0 56.4 84.6#





#15
Acrylonitrile
Concen: 0.355 ug/l
RT: 5.724 min Scan# 640
Delta R.T. 0.006 min
Lab File: VN083257.D
Acq: 13 Aug 2024 14:55

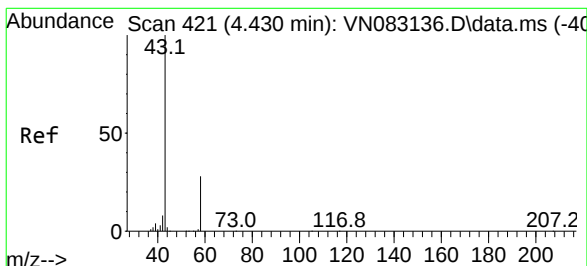
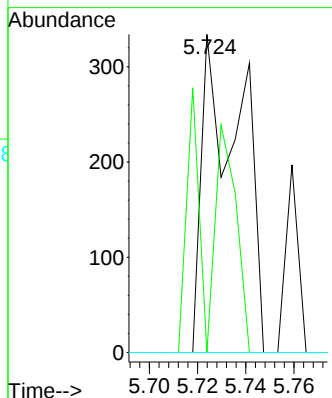
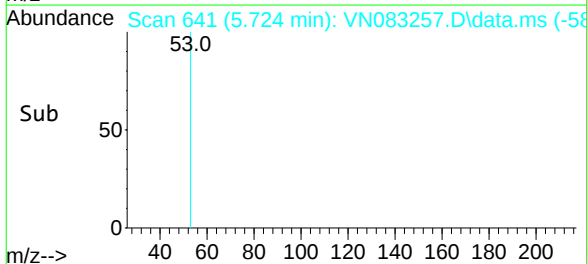
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT3-2024



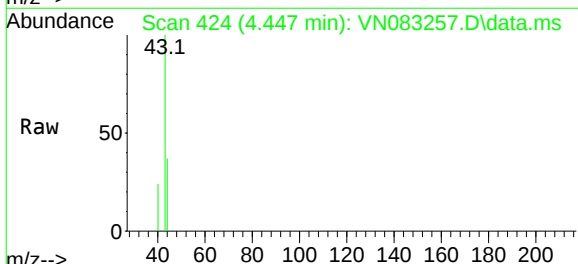
Tgt Ion: 53 Resp: 369
Ion Ratio Lower Upper
53 100
52 26.6 66.6 100.0#
51 0.0 30.1 45.1#

Manual Integrations
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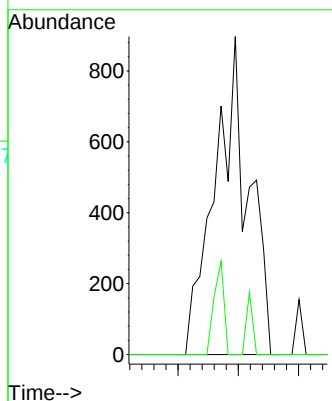
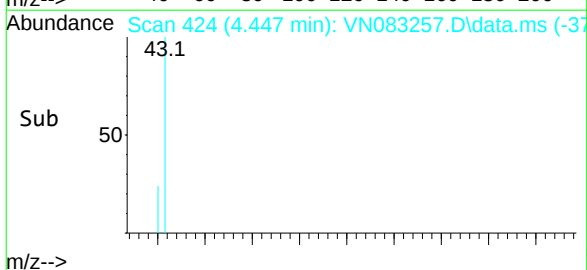
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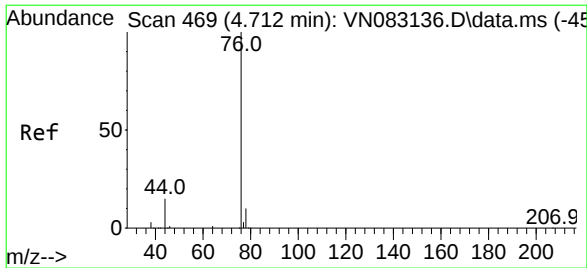


#16
Acetone
Concen: 1.824 ug/l
RT: 4.447 min Scan# 424
Delta R.T. 0.018 min
Lab File: VN083257.D
Acq: 13 Aug 2024 14:55



Tgt Ion: 43 Resp: 1736
Ion Ratio Lower Upper
43 100
58 0.0 21.8 32.6#





#17

Carbon Disulfide

Concen: 0.289 ug/l

RT: 4.718 min Scan# 47

Delta R.T. 0.006 min

Lab File: VN083257.D

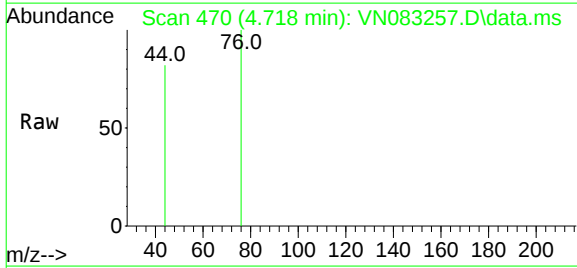
Acq: 13 Aug 2024 14:55

Instrument :

MSVOA_N

ClientSampleId :

LOD-MDL-WATER-01-QT3-2024



Tgt Ion: 76 Resp: 1601

Ion Ratio Lower Upper

76 100

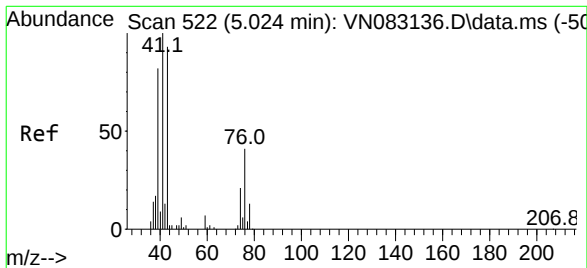
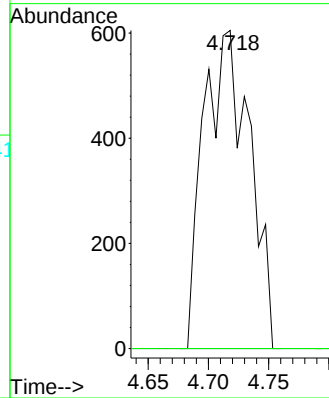
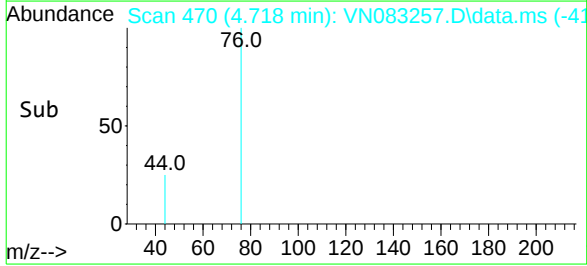
78 0.0 7.2 10.8#

Manual Integrations

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#18

Methyl Acetate

Concen: 0.243 ug/l

RT: 5.030 min Scan# 523

Delta R.T. 0.006 min

Lab File: VN083257.D

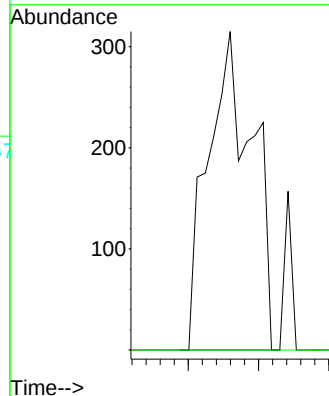
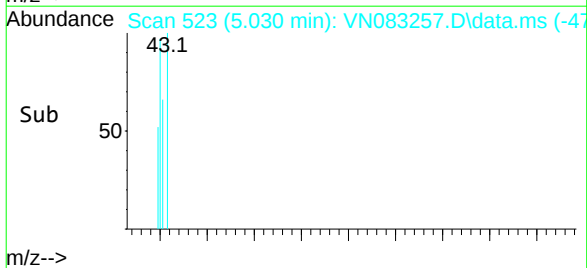
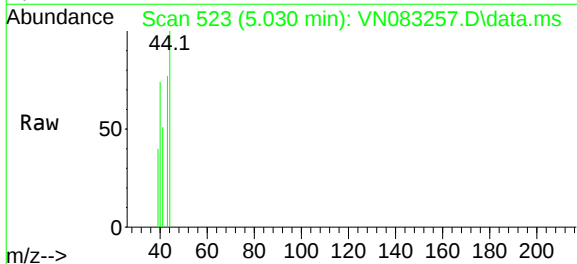
Acq: 13 Aug 2024 14:55

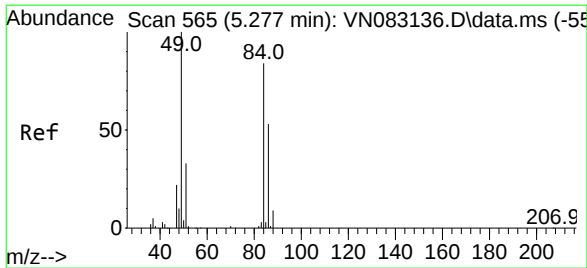
Tgt Ion: 43 Resp: 690

Ion Ratio Lower Upper

43 100

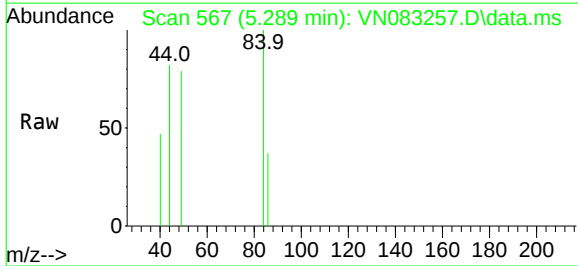
74 0.0 16.3 24.5#





#20
Methylene Chloride
Concen: 0.384 ug/l
RT: 5.289 min Scan# 565
Delta R.T. 0.012 min
Lab File: VN083257.D
Acq: 13 Aug 2024 14:55

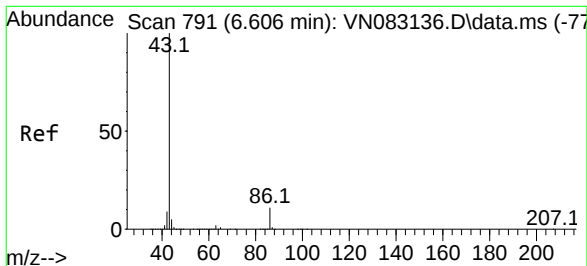
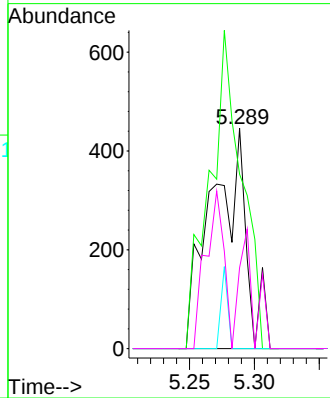
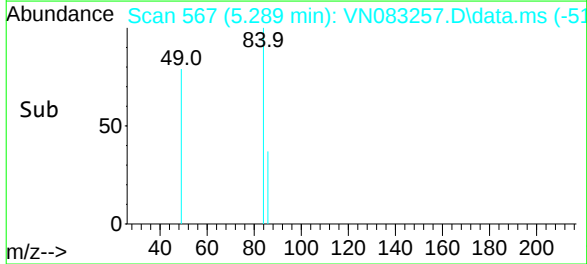
Instrument : MSVOA_N
ClientSampleId : LOD-MDL-WATER-01-QT3-2024



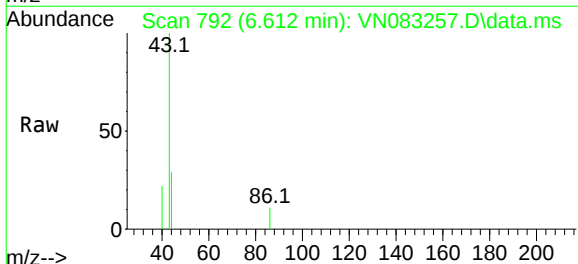
Tgt Ion	Ratio	Lower	Upper
84	100		
49	79.1	119.6	179.4#
51	0.0	34.8	52.2#
86	36.8	52.9	79.3#

Manual Integrations
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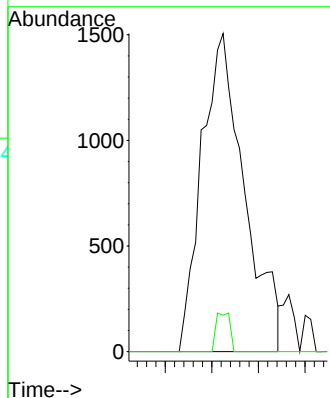
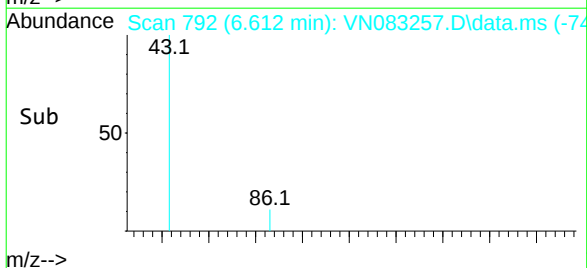
Reviewed By :Mahesh Dadoda 08/14/2024
Supervised By :Semsettin Yesilyurt 08/14/2024

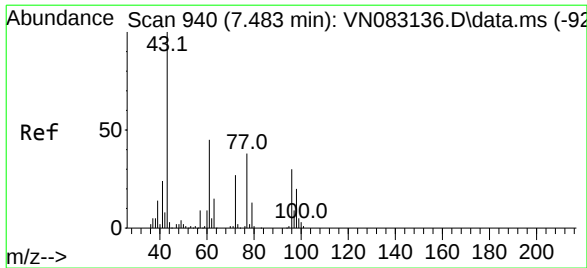


#23
Vinyl Acetate
Concen: 0.695 ug/l m
RT: 6.612 min Scan# 792
Delta R.T. 0.006 min
Lab File: VN083257.D
Acq: 13 Aug 2024 14:55



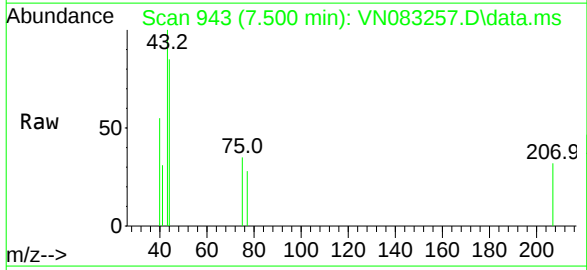
Tgt Ion	Ratio	Lower	Upper
43	100		
86	11.4	7.3	10.9#





#25
2-Butanone
Concen: 0.788 ug/l
RT: 7.500 min Scan# 940
Delta R.T. 0.018 min
Lab File: VN083257.D
Acq: 13 Aug 2024 14:55

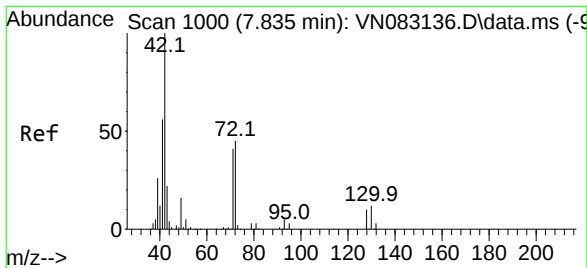
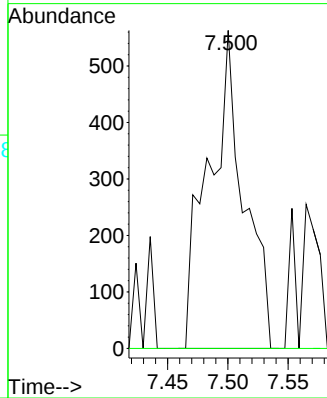
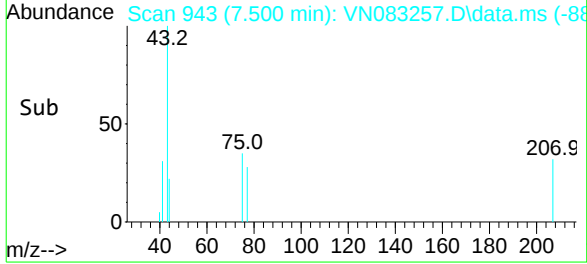
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT3-2024



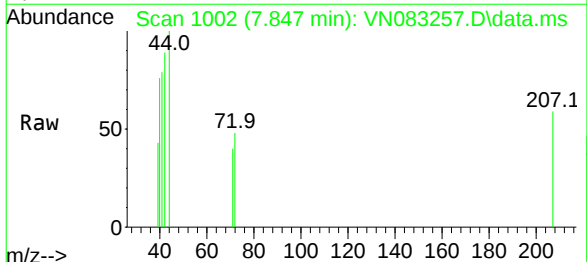
Tgt Ion: 43 Resp: 1152
Ion Ratio Lower Upper
43 100
72 0.0 18.2 27.2#

Manual Integrations
APPROVED

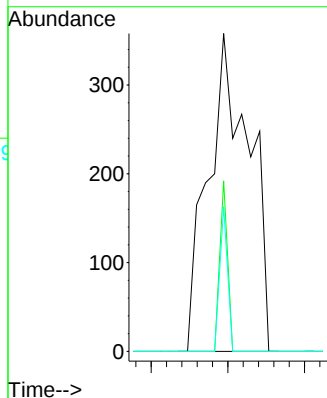
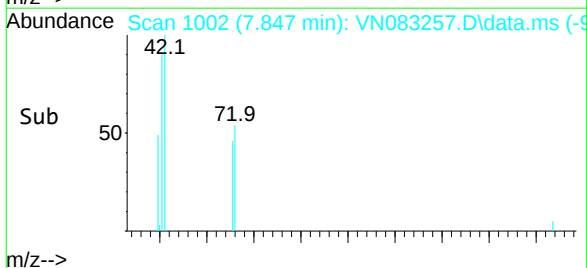
Reviewed By :Mahesh Dadoda 08/14/2024
Supervised By :Semsettin Yesilyurt 08/14/2024

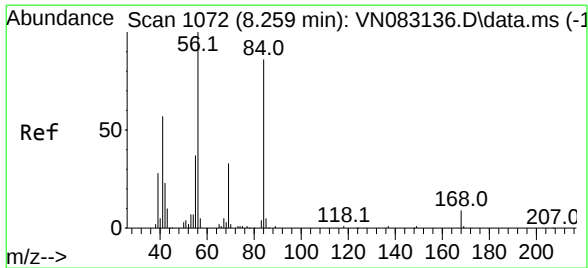


#29
Tetrahydrofuran
Concen: 0.705 ug/l
RT: 7.847 min Scan# 1002
Delta R.T. 0.012 min
Lab File: VN083257.D
Acq: 13 Aug 2024 14:55



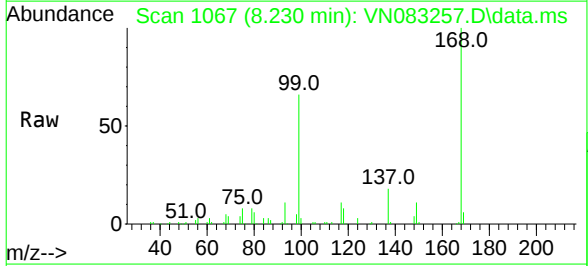
Tgt Ion: 42 Resp: 666
Ion Ratio Lower Upper
42 100
72 10.2 30.0 45.0#
71 8.6 28.3 42.5#





#31
Cyclohexane
Concen: 1.399 ug/l
RT: 8.230 min Scan# 1072
Delta R.T. -0.029 min
Lab File: VN083257.D
Acq: 13 Aug 2024 14:55

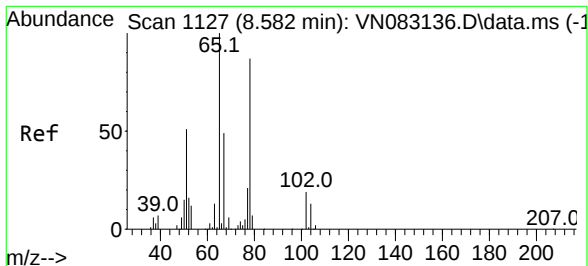
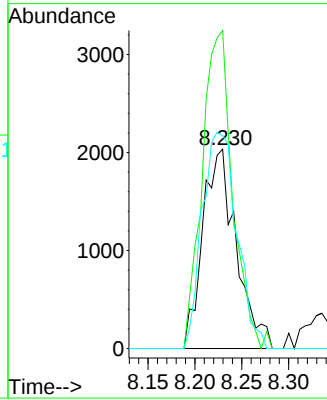
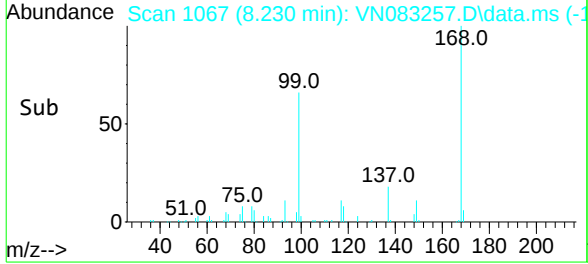
Instrument : MSVOA_N
ClientSampleId : LOD-MDL-WATER-01-QT3-2024



Tgt Ion: 56 Resp: 5043
Ion Ratio Lower Upper
56 100
69 159.6 24.5 36.7#
84 106.7 66.0 99.0#

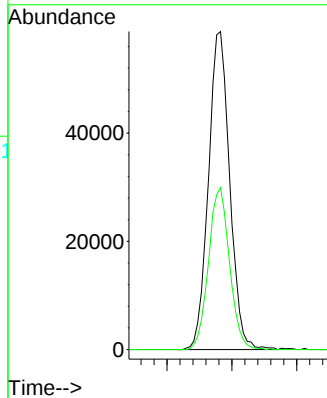
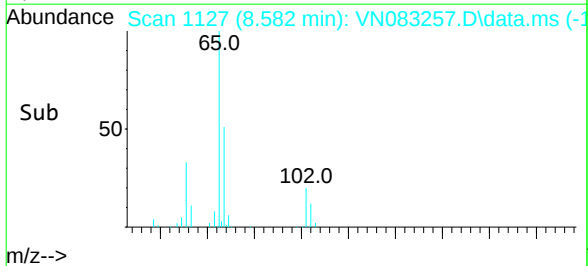
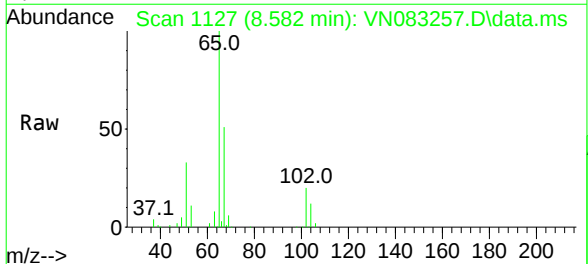
Manual Integrations
APPROVED

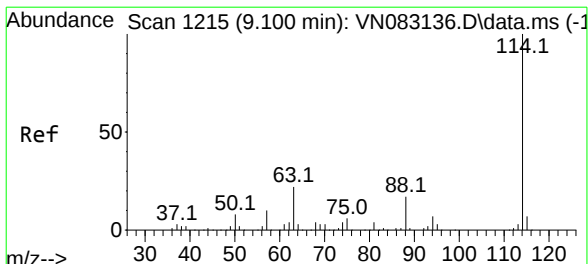
Reviewed By :Mahesh Dadoda 08/14/2024
Supervised By :Semsettin Yesilyurt 08/14/2024



#33
1,2-Dichloroethane-d4
Concen: 55.023 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VN083257.D
Acq: 13 Aug 2024 14:55

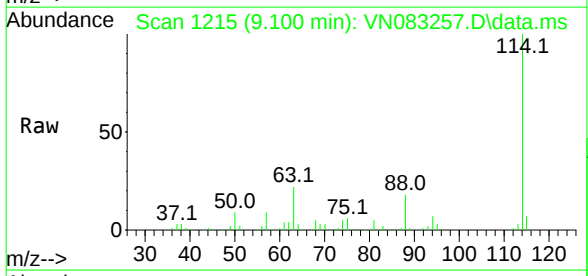
Tgt Ion: 65 Resp: 133816
Ion Ratio Lower Upper
65 100
67 50.3 0.0 104.4





#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1215
Delta R.T. 0.000 min
Lab File: VN083257.D
Acq: 13 Aug 2024 14:55

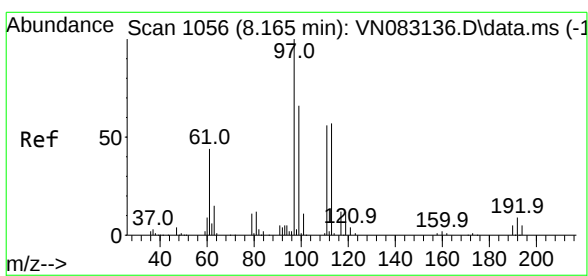
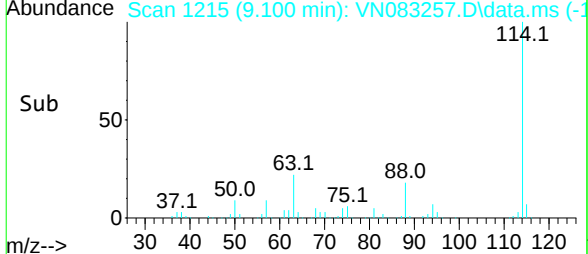
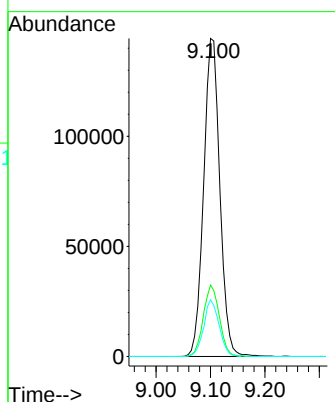
Instrument : MSVOA_N
ClientSampleId : LOD-MDL-WATER-01-QT3-2024



Tgt Ion	Ratio	Lower	Upper
114	100		
63	22.4	0.0	44.6
88	17.8	0.0	31.4

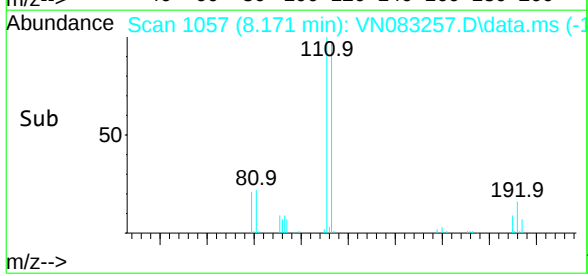
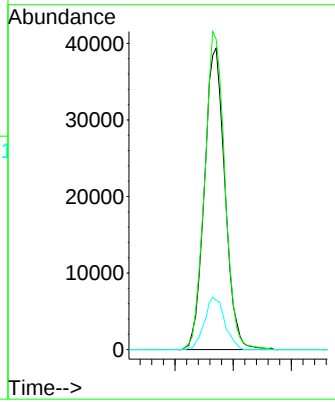
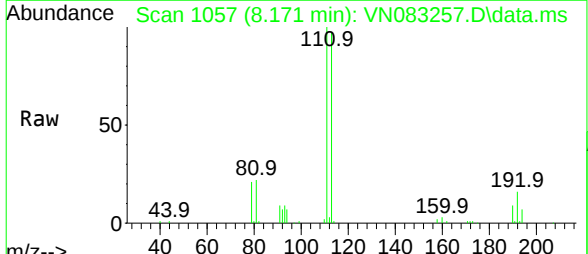
Manual Integrations
APPROVED

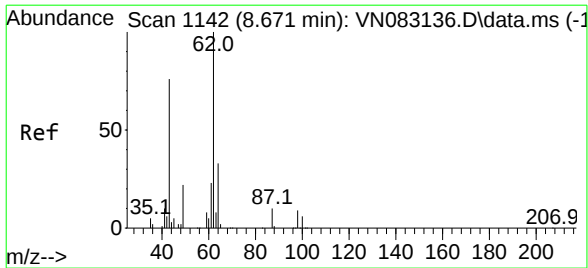
Reviewed By :Mahesh Dadoda 08/14/2024
Supervised By :Semsettin Yesilyurt 08/14/2024



#35
Dibromofluoromethane
Concen: 51.833 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. 0.006 min
Lab File: VN083257.D
Acq: 13 Aug 2024 14:55

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.7	82.4	123.6
192	17.2	14.9	22.3





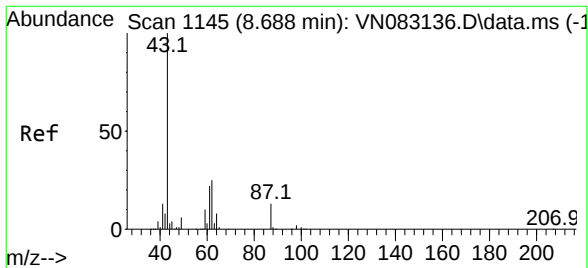
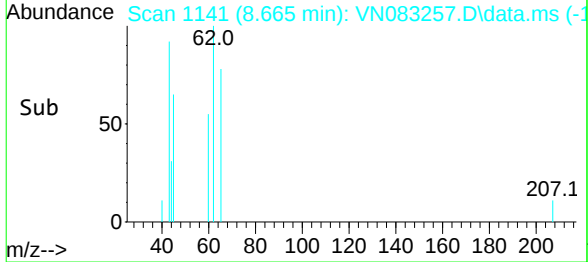
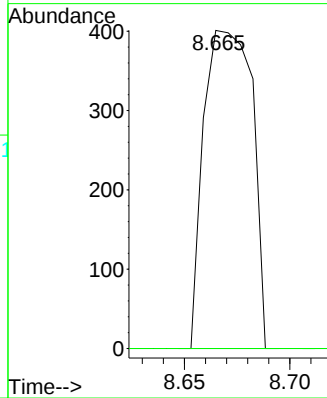
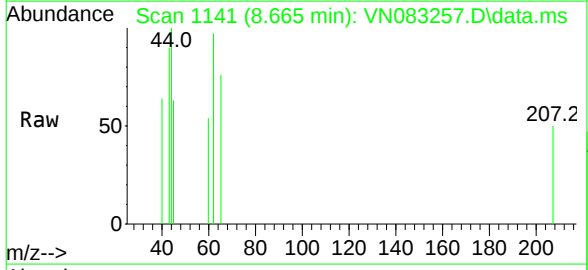
#42
1,2-Dichloroethane
Concen: 0.209 ug/l
RT: 8.665 min Scan# 1142
Delta R.T. -0.006 min
Lab File: VN083257.D
Acq: 13 Aug 2024 14:55

Instrument : MSVOA_N
ClientSampleId : LOD-MDL-WATER-01-QT3-2024

Tgt Ion: 62 Resp: 640
Ion Ratio Lower Upper
62 100
98 0.0 0.0 15.8

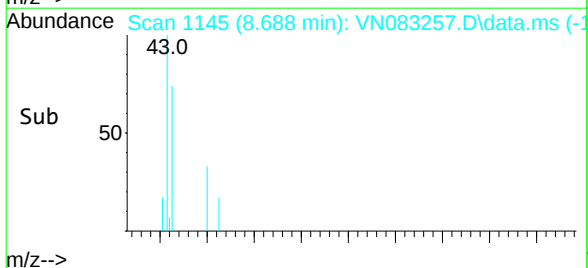
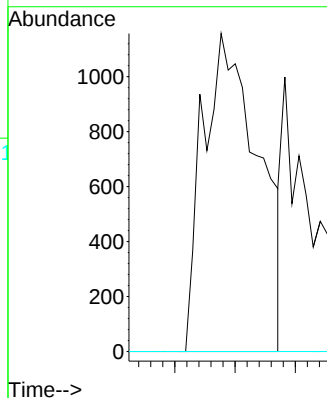
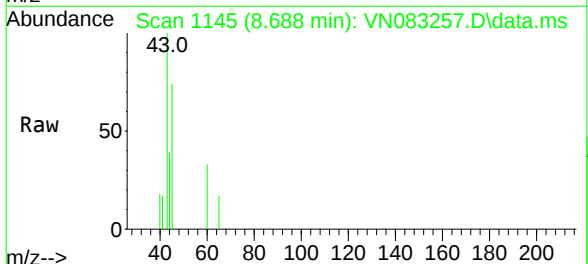
Manual Integrations
APPROVED

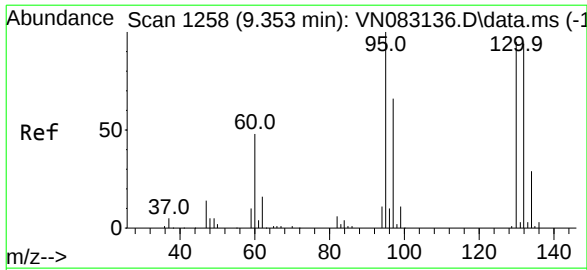
Reviewed By :Mahesh Dadoda 08/14/2024
Supervised By :Semsettin Yesilyurt 08/14/2024



#43
Isopropyl Acetate
Concen: 0.511 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.000 min
Lab File: VN083257.D
Acq: 13 Aug 2024 14:55

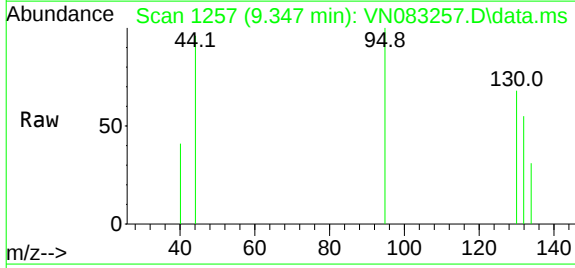
Tgt Ion: 43 Resp: 3696
Ion Ratio Lower Upper
43 100
61 0.0 17.8 26.6#
87 0.0 8.2 12.2#





#44
Trichloroethene
Concen: 0.284 ug/l
RT: 9.347 min Scan# 1258
Delta R.T. -0.006 min
Lab File: VN083257.D
Acq: 13 Aug 2024 14:55

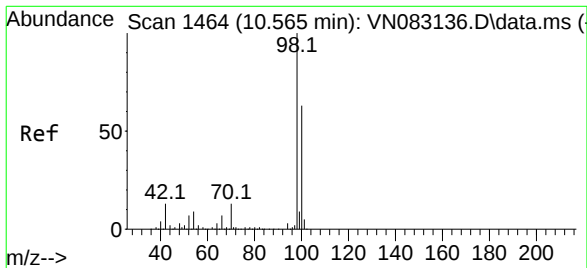
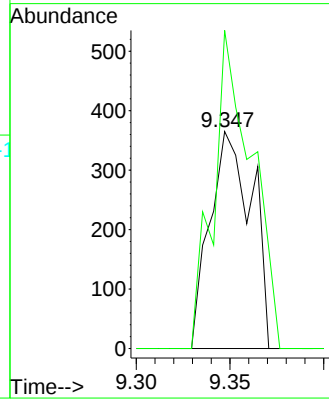
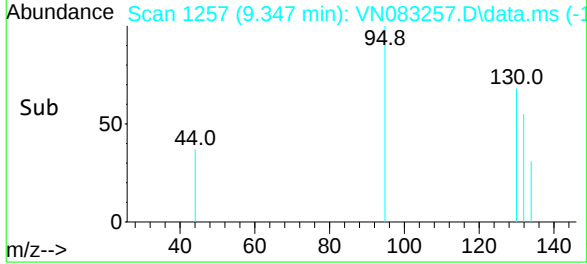
Instrument : MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT3-2024



Tgt Ion:130 Resp: 569
Ion Ratio Lower Upper
130 100
95 146.6 0.0 197.8

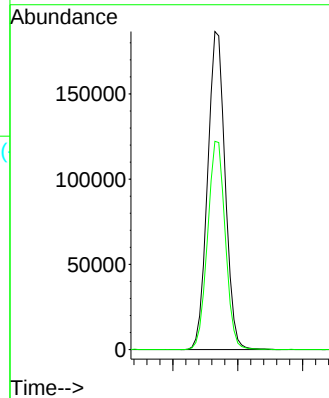
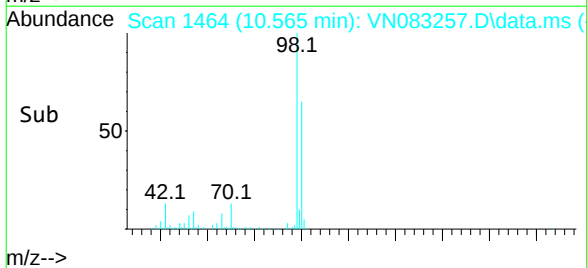
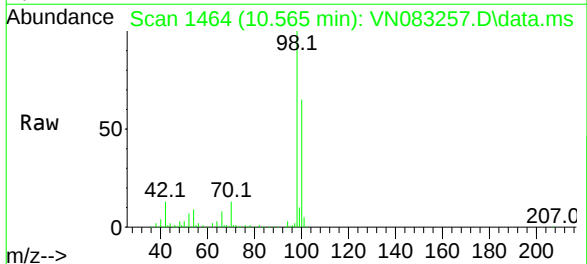
Manual Integrations
APPROVED

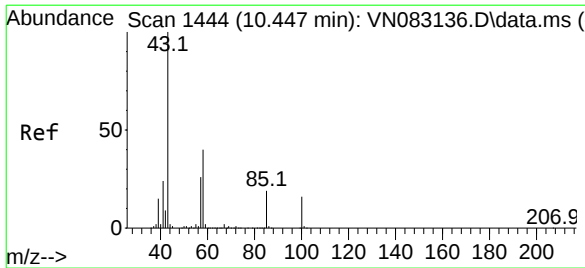
Reviewed By :Mahesh Dadoda 08/14/2024
Supervised By :Semsettin Yesilyurt 08/14/2024



#50
Toluene-d8
Concen: 50.368 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN083257.D
Acq: 13 Aug 2024 14:55

Tgt Ion: 98 Resp: 350384
Ion Ratio Lower Upper
98 100
100 66.0 51.5 77.3





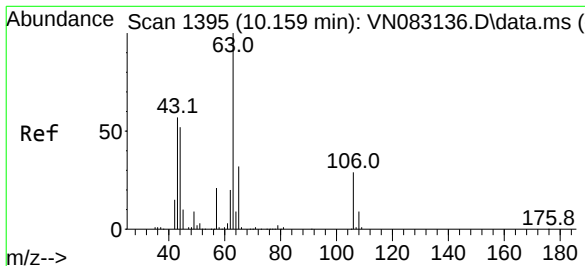
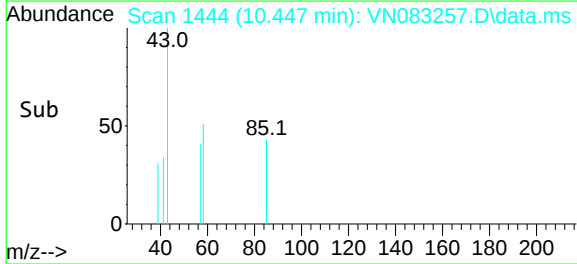
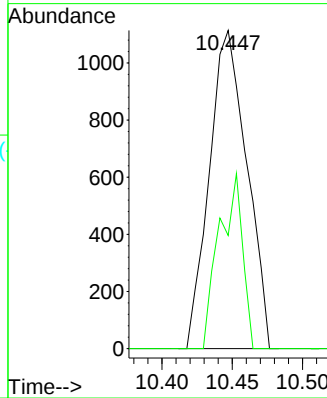
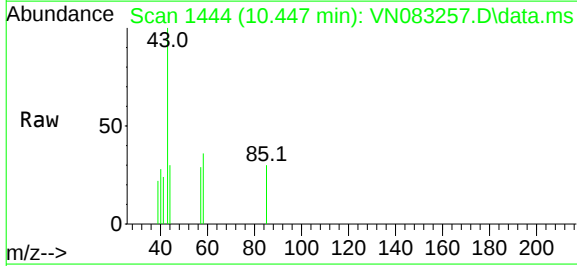
#51
4-Methyl-2-Pentanone
Concen: 0.692 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN083257.D
Acq: 13 Aug 2024 14:55

Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT3-2024

Tgt Ion: 43 Resp: 2068
Ion Ratio Lower Upper
43 100
58 34.3 28.2 42.4

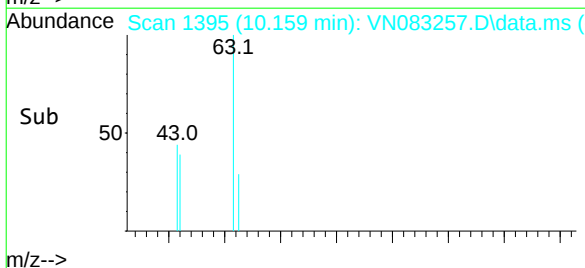
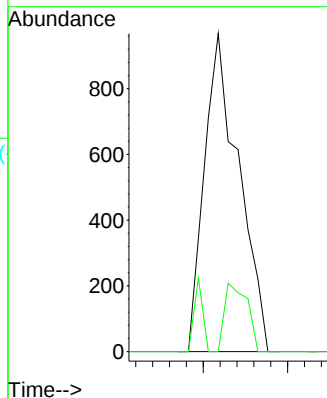
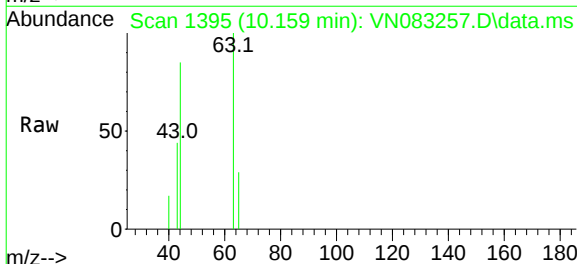
Manual Integrations
APPROVED

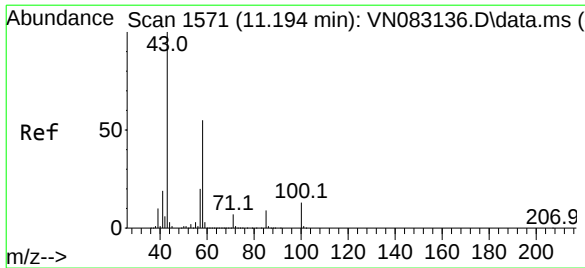
Reviewed By :Mahesh Dadoda 08/14/2024
Supervised By :Semsettin Yesilyurt 08/14/2024



#58
2-Chloroethyl Vinyl ether
Concen: 0.901 ug/l
RT: 10.159 min Scan# 1395
Delta R.T. 0.000 min
Lab File: VN083257.D
Acq: 13 Aug 2024 14:55

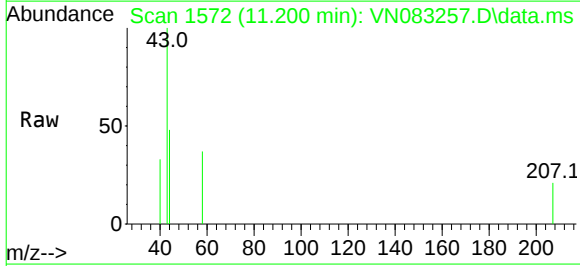
Tgt Ion: 63 Resp: 1366
Ion Ratio Lower Upper
63 100
106 14.1 21.4 32.0#





#59
2-Hexanone
Concen: 0.672 ug/l
RT: 11.200 min Scan# 1571
Delta R.T. 0.006 min
Lab File: VN083257.D
Acq: 13 Aug 2024 14:55

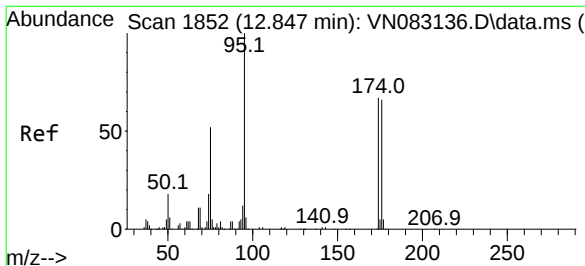
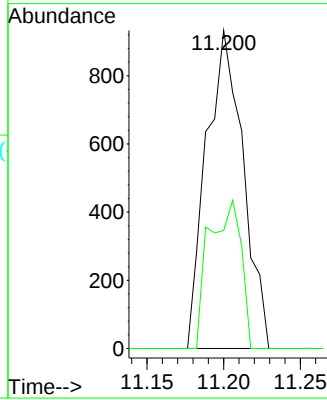
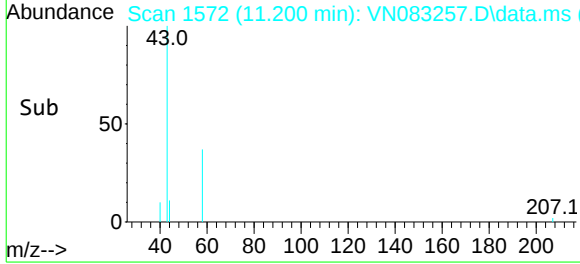
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT3-2024



Tgt Ion: 43 Resp: 1552
Ion Ratio Lower Upper
43 100
58 40.4 24.6 73.8

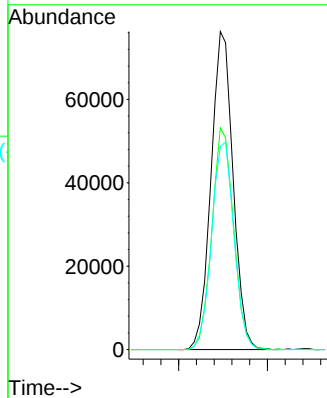
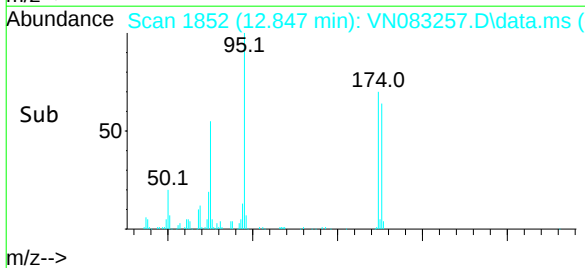
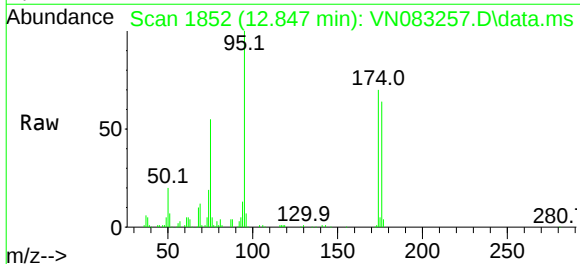
Manual Integrations
APPROVED

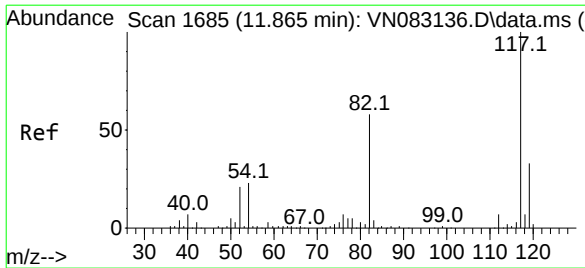
Reviewed By :Mahesh Dadoda 08/14/2024
Supervised By :Semsettin Yesilyurt 08/14/2024



#62
4-Bromofluorobenzene
Concen: 48.459 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN083257.D
Acq: 13 Aug 2024 14:55

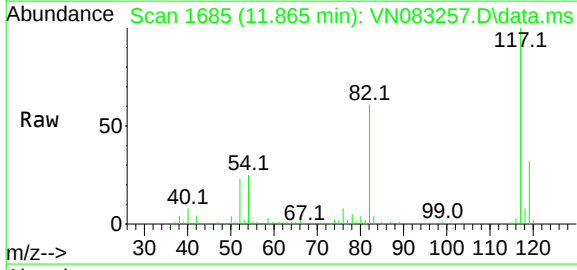
Tgt Ion: 95 Resp: 131420
Ion Ratio Lower Upper
95 100
174 68.8 0.0 159.2
176 66.3 0.0 147.6





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN083257.D
Acq: 13 Aug 2024 14:55

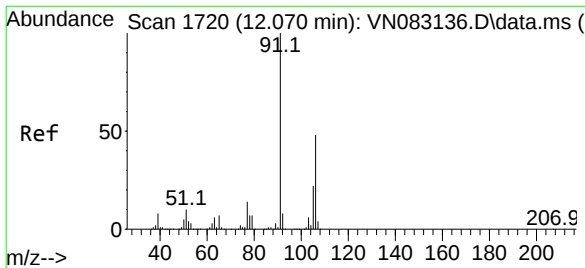
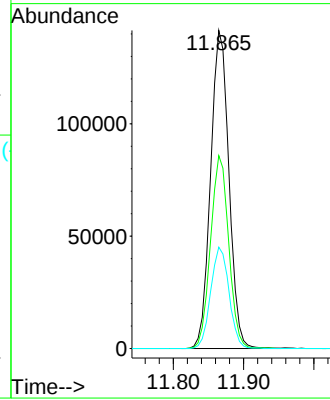
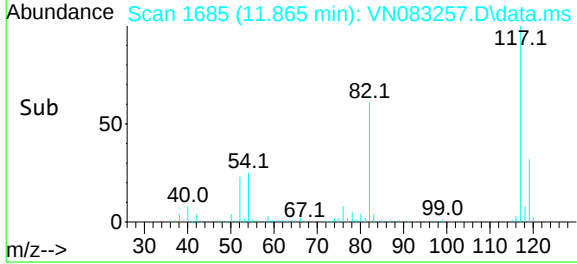
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT3-2024



Tgt Ion:117 Resp: 255707
Ion Ratio Lower Upper
117 100
82 60.6 47.5 71.3
119 31.9 25.6 38.4

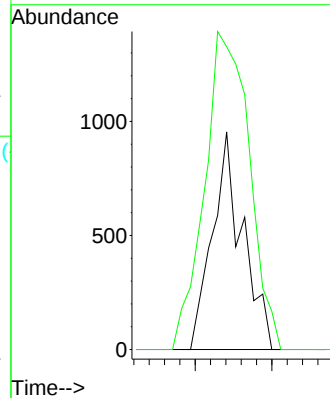
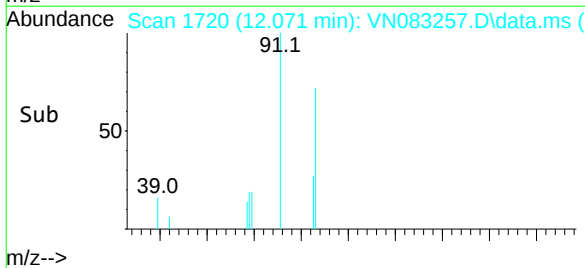
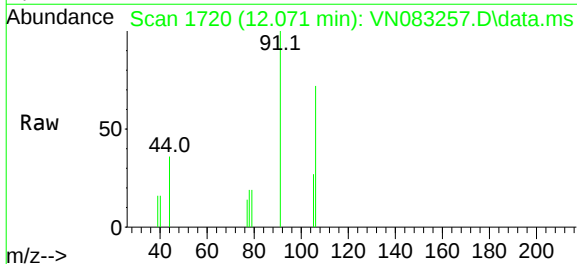
Manual Integrations
APPROVED

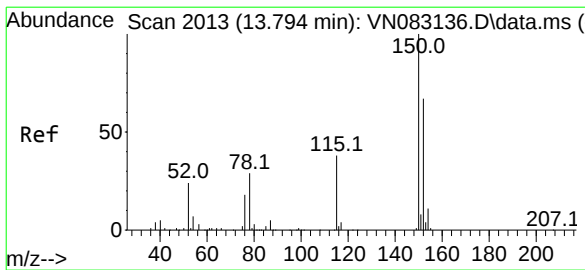
Reviewed By :Mahesh Dadoda 08/14/2024
Supervised By :Semsettin Yesilyurt 08/14/2024



#68
m/p-Xylenes
Concen: 0.336 ug/l
RT: 12.071 min Scan# 1720
Delta R.T. 0.000 min
Lab File: VN083257.D
Acq: 13 Aug 2024 14:55

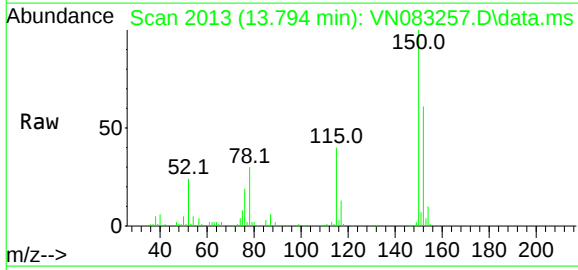
Tgt Ion:106 Resp: 1304
Ion Ratio Lower Upper
106 100
91 216.8 166.1 249.1





#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.000 min
Lab File: VN083257.D
Acq: 13 Aug 2024 14:55

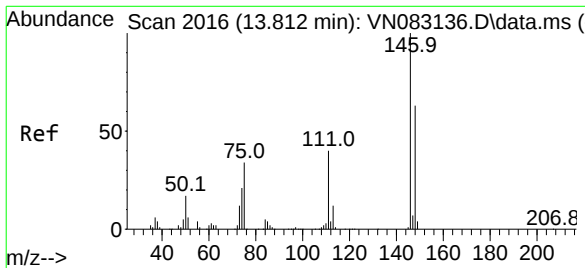
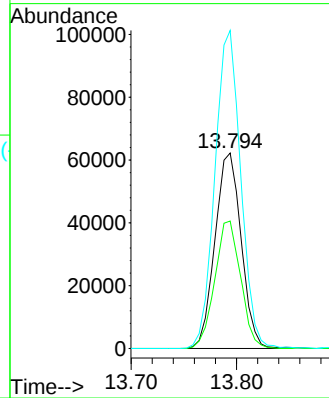
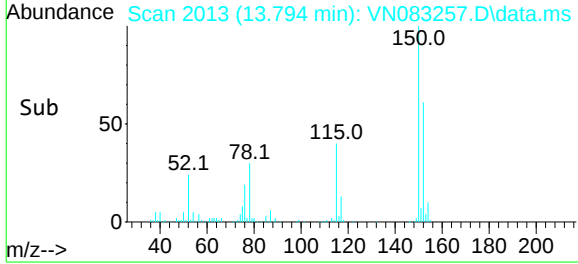
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT3-2024



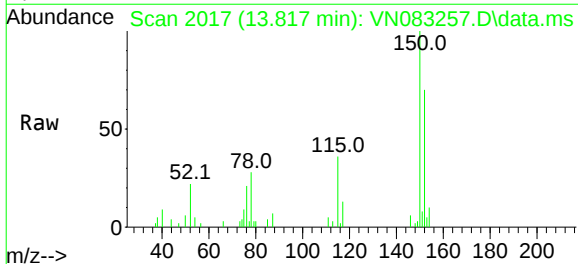
Tgt Ion:152 Resp: 107467
Ion Ratio Lower Upper
152 100
115 64.3 30.6 91.6
150 160.6 0.0 348.6

Manual Integrations
APPROVED

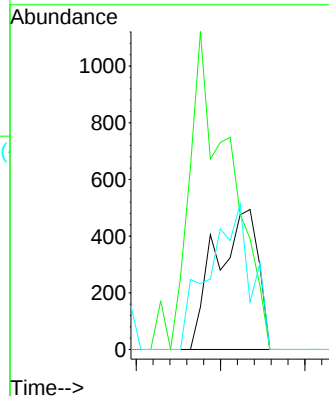
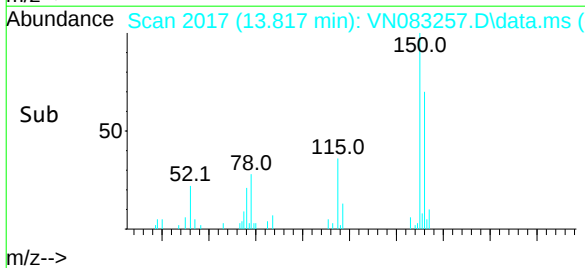
Reviewed By :Mahesh Dadoda 08/14/2024
Supervised By :Semsettin Yesilyurt 08/14/2024

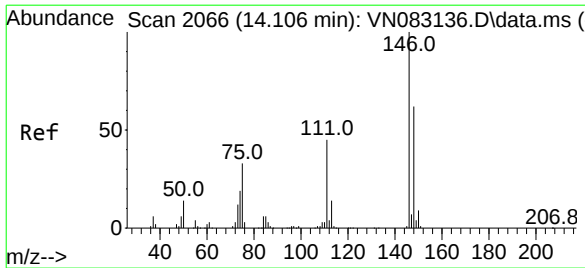


#88
1,4-Dichlorobenzene
Concen: 0.226 ug/l
RT: 13.817 min Scan# 2017
Delta R.T. 0.006 min
Lab File: VN083257.D
Acq: 13 Aug 2024 14:55



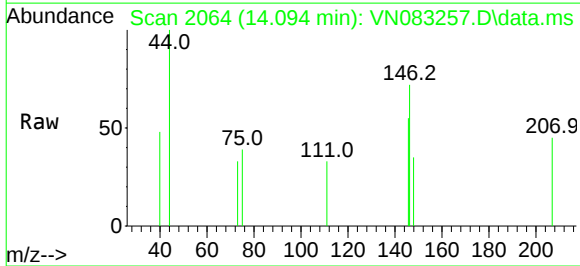
Tgt Ion:146 Resp: 855
Ion Ratio Lower Upper
146 100
111 0.0 20.1 60.3#
148 104.1 32.2 96.6#





#91
1,2-Dichlorobenzene
Concen: 0.222 ug/l
RT: 14.094 min Scan# 2066
Delta R.T. -0.012 min
Lab File: VN083257.D
Acq: 13 Aug 2024 14:55

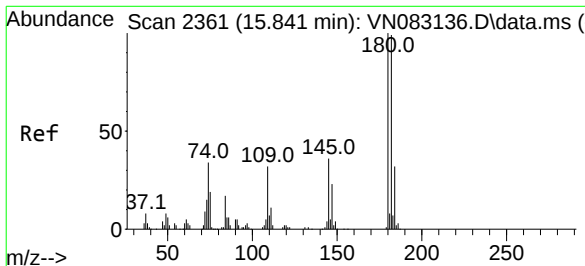
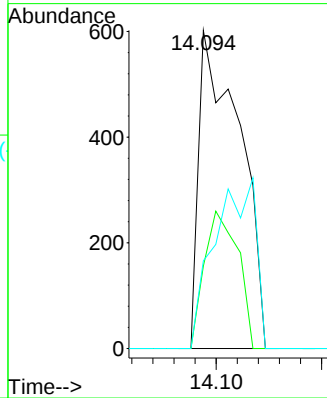
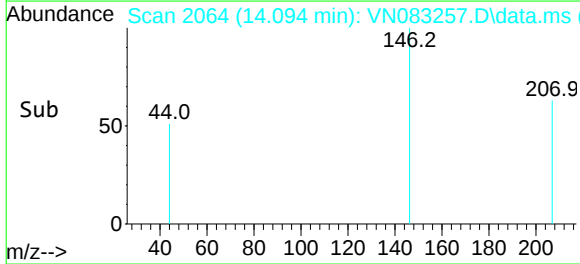
Instrument :
MSVOA_N
ClientSampleId :
LOD-MDL-WATER-01-QT3-2024



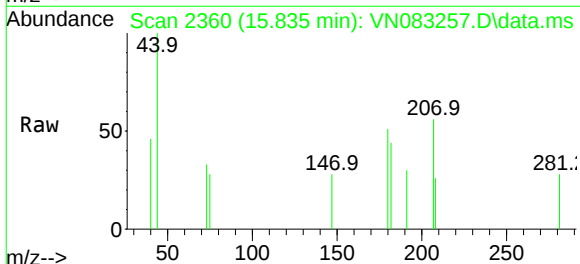
Tgt Ion:146 Resp: 808
Ion Ratio Lower Upper
146 100
111 35.6 21.4 64.2
148 0.0 32.1 96.5#

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 08/14/2024
Supervised By :Semsettin Yesilyurt 08/14/2024



#96
1,2,3-Trichlorobenzene
Concen: 0.208 ug/l
RT: 15.835 min Scan# 2360
Delta R.T. -0.006 min
Lab File: VN083257.D
Acq: 13 Aug 2024 14:55



Tgt Ion:180 Resp: 420
Ion Ratio Lower Upper
180 100
182 69.3 48.9 146.8
145 0.0 16.8 50.4#

