

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN022324\
 Data File : VN081155.D
 Acq On : 23 Feb 2024 11:51
 Operator : JC\MD
 Sample : P1187-09 2.5PPB
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MDL-WATER-03-QT1-2024

Quant Time: Feb 24 00:11:35 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N020924W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Sat Feb 10 01:55:02 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :John Carlone 02/26/2024
 Supervised By :Mahesh Dadoda 02/26/2024

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

Internal Standards						
1) Bromochloromethane	7.818	128	60179	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.106	114	356380	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.870	117	318459	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.582	65	144520	31.960	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 106.533%			
60) 4-Bromofluorobenzene	12.853	95	145151	29.814	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 99.367%			
63) Toluene-d8	10.571	98	434106	30.375	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 101.267%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.124	85	9427	2.304	ug/l	100
3) Chloromethane	2.359	50	11824	2.875	ug/l	96
4) Vinyl Chloride	2.512	62	11699	2.386	ug/l	91
5) Bromomethane	2.971	94	9719m	2.951	ug/l	
6) Chloroethane	3.124	64	7410m	2.319	ug/l	
7) Trichlorofluoromethane	3.500	101	17253	2.672	ug/l	97
8) Diethyl Ether	3.959	74	5868	2.586	ug/l	72
9) 1,1,2-Trichlorotrifluo...	4.383	101	9532m	2.720	ug/l	
10) 1,1-Dichloroethene	4.336	96	9463m	2.756	ug/l	
11) Methyl Iodide	4.583	142	7644m	2.078	ug/l	
12) Methyl Acetate	5.030	43	10596m	3.405	ug/l	
13) Acrolein	4.183	56	10526	15.510	ug/l #	69
14) Acrylonitrile	5.724	53	23878	15.452	ug/l	72
15) Acetone	4.447	58	4819m	13.556	ug/l	
16) Carbon Disulfide	4.718	76	24336	2.582	ug/l #	95
17) Allyl chloride	5.030	41	11632m	2.697	ug/l	
18) Methylene Chloride	5.265	84	11230m	2.861	ug/l	
19) trans-1,2-Dichloroethene	5.783	96	9990m	2.562	ug/l	
20) Diisopropyl ether	6.677	45	29053m	2.803	ug/l	
21) 1,1-Dichloroethane	6.571	63	18512	2.787	ug/l #	92
22) cis-1,2-Dichloroethene	7.488	96	10036m	2.215	ug/l	
23) tert-Butyl Alcohol	5.512	59	8996m	15.980	ug/l	
24) Methyl tert-Butyl Ether	5.800	73	28970	2.545	ug/l	100
25) Chloroform	7.971	83	19345	2.625	ug/l #	69
26) Cyclohexane	8.253	56	15509	3.100	ug/l #	93
29) 1,1-Dichloropropene	8.371	75	13872	2.613	ug/l	86
30) 2-Butanone	7.482	43	29042	14.911	ug/l #	77
31) 2,2-Dichloropropane	7.488	77	15025m	2.486	ug/l	
32) 1,1,1-Trichloroethane	8.165	97	16960m	2.540	ug/l	
33) Carbon Tetrachloride	8.365	117	14132	2.512	ug/l #	88
34) Benzene	8.606	78	40332	2.486	ug/l #	75
35) Methacrylonitrile	7.782	41	7117	3.109	ug/l	95
36) 1,2-Dichloroethane	8.665	62	14398	2.645	ug/l	98
37) Trichloroethene	9.365	130	10984	2.547	ug/l #	72
38) Methylcyclohexane	9.606	83	16932	3.196	ug/l	97
39) 1,2-Dichloropropane	9.629	63	10994	2.857	ug/l	93
40) Dibromomethane	9.706	93	7927	2.708	ug/l	91
41) Bromodichloromethane	9.894	83	13722	2.395	ug/l #	96
42) Vinyl Acetate	6.606	43	111952	13.438	ug/l #	92

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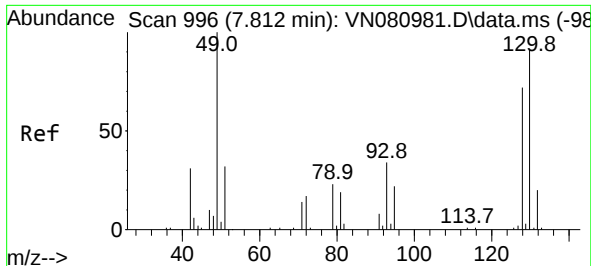
Manual Integrations
 APPROVED

Reviewed By : John Carlone 02/26/2024
 Supervised By : Mahesh Dadoda 02/26/2024

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 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.565	43	12604	3.107	ug/l #	87
44) Isopropyl Acetate	8.688	43	27090	3.717	ug/l #	83
45) 1,4-Dioxane	9.700	88	3814	55.172	ug/l #	85
46) Methyl methacrylate	9.682	41	8359	2.506	ug/l	89
47) n-amyl Acetate	12.500	43	16794	2.642	ug/l	90
48) t-1,3-Dichloropropene	10.841	75	14407	2.399	ug/l #	89
49) cis-1,3-Dichloropropene	10.318	75	15469	2.377	ug/l #	86
50) 1,1,2-Trichloroethane	11.018	97	10135	2.502	ug/l	96
51) Ethyl methacrylate	10.876	69	12629	2.231	ug/l	96
52) 1,3-Dichloropropane	11.165	76	16377	2.448	ug/l	92
53) Dibromochloromethane	11.365	129	9796	2.219	ug/l	91
54) 1,2-Dibromoethane	11.476	107	9868	2.355	ug/l	92
55) 2-Chloroethyl vinyl ether	10.165	63	34006	11.721	ug/l	97
56) Bromoform	12.582	173	5319	1.892	ug/l #	93
58) 4-Methyl-2-Pentanone	10.447	43	61348	14.838	ug/l #	91
59) 2-Hexanone	11.200	43	43409	14.275	ug/l #	92
61) Tetrachloroethene	11.100	164	9324	2.563	ug/l	84
62) Toluene	10.629	91	43680	2.504	ug/l	98
64) Chlorobenzene	11.894	112	24563	2.299	ug/l	95
65) 1,1,1,2-Tetrachloroethane	11.965	131	9300	2.347	ug/l	96
66) Ethyl Benzene	11.965	91	48768	2.659	ug/l #	85
67) m/p-Xylenes	12.070	106	32471	4.508	ug/l	97
68) o-Xylene	12.394	106	17341	2.457	ug/l	91
69) Styrene	12.412	104	25885	2.227	ug/l	94
70) Isopropylbenzene	12.700	105	42167	2.451	ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.941	83	13730	2.588	ug/l	95
72) 1,2,3-Trichloropropane	13.000	75	13597m	3.274	ug/l	
73) Bromobenzene	12.982	156	9641	2.254	ug/l	92
74) n-propylbenzene	13.041	91	51292	2.623	ug/l	100
75) 2-Chlorotoluene	13.129	91	31727	2.614	ug/l	98
76) 1,3,5-Trimethylbenzene	13.176	105	34832	2.475	ug/l	96
77) t-1,4-Dichloro-2-butene	12.741	75	3727	2.372	ug/l	98
78) 4-Chlorotoluene	13.229	91	30846	2.537	ug/l	96
79) tert-butylbenzene	13.441	119	31193	2.670	ug/l	96
80) 1,2,4-Trimethylbenzene	13.482	105	32947	2.349	ug/l	92
81) sec-Butylbenzene	13.617	105	42020	2.568	ug/l	97
82) p-Isopropyltoluene	13.735	119	33192	2.416	ug/l	99
83) 1,3-Dichlorobenzene	13.735	146	18215	2.367	ug/l	95
84) 1,4-Dichlorobenzene	13.817	146	17454	2.260	ug/l	96
85) n-Butylbenzene	14.059	91	27916	2.463	ug/l	98
86) Hexachloroethane	14.341	117	4987	2.302	ug/l	93
87) 1,2-Dichlorobenzene	14.111	146	18095	2.415	ug/l	98
88) 1,2-Dibromo-3-Chloropr...	14.717	75	3103	3.241	ug/l #	83
89) 1,2,4-Trichlorobenzene	15.847	180	9319	2.543	ug/l #	91
90) Hexachlorobutadiene	15.506	225	3854	2.397	ug/l	77
91) Naphthalene	15.641	128	30513	2.345	ug/l	97
92) 1,2,3-Trichlorobenzene	15.847	180	9319	2.543	ug/l	91

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



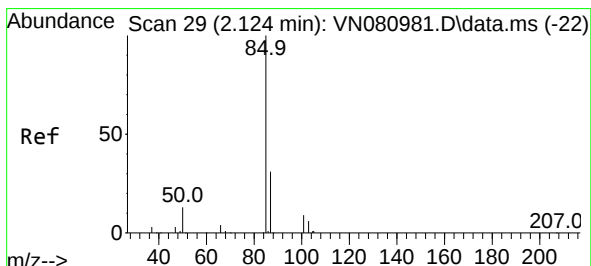
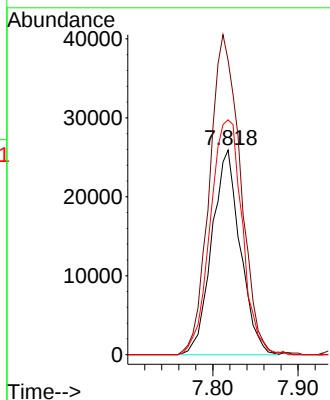
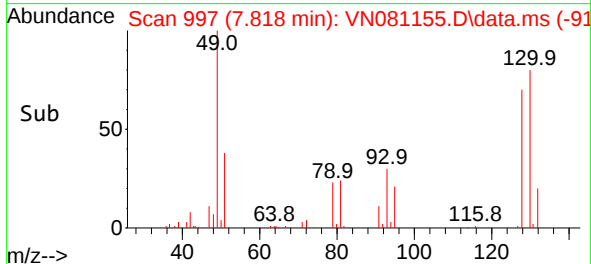
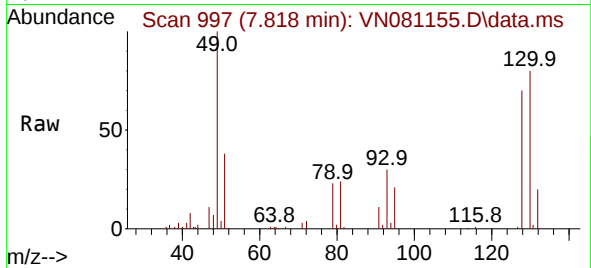
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.818 min Scan# 996
Delta R.T. 0.006 min
Lab File: VN081155.D
Acq: 23 Feb 2024 11:51

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MDL-WATER-03-QT1-2024

Tgt Ion:128 Resp: 60179
Ion Ratio Lower Upper
128 100
49 169.4 0.0 403.7
130 128.6 0.0 323.3

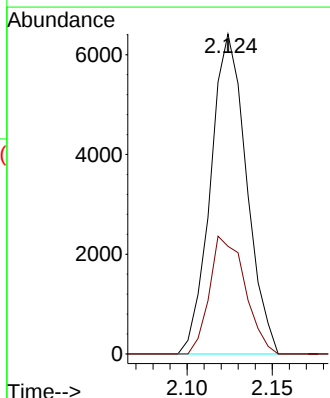
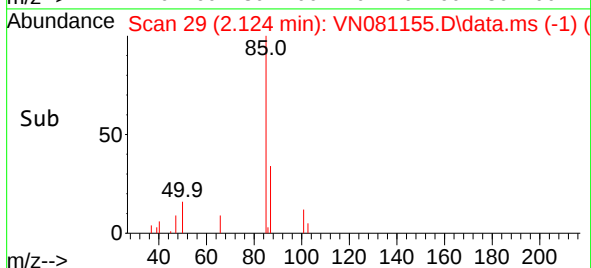
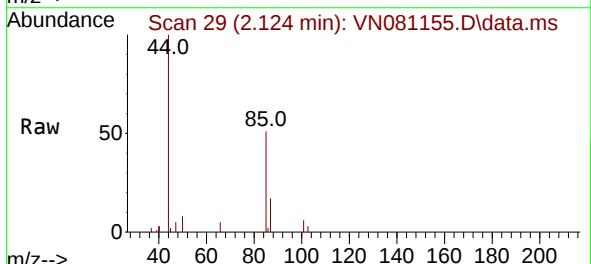
Manual Integrations
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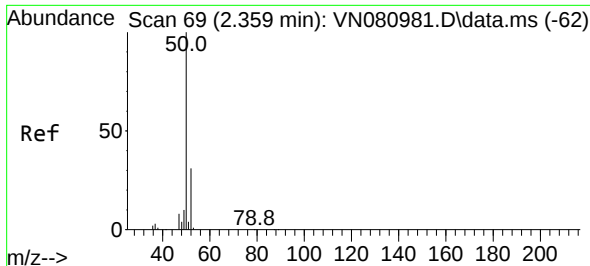
Reviewed By :John Carlone 02/26/2024
Supervised By :Mahesh Dadoda 02/26/2024



#2
Dichlorodifluoromethane
Concen: 2.304 ug/l
RT: 2.124 min Scan# 29
Delta R.T. -0.000 min
Lab File: VN081155.D
Acq: 23 Feb 2024 11:51

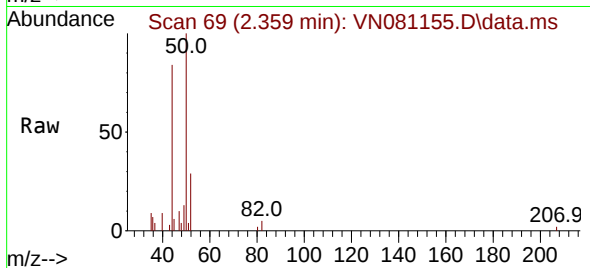
Tgt Ion: 85 Resp: 9427
Ion Ratio Lower Upper
85 100
87 33.6 16.8 50.3





#3
Chloromethane
Concen: 2.875 ug/l
RT: 2.359 min Scan# 69
Delta R.T. -0.000 min
Lab File: VN081155.D
Acq: 23 Feb 2024 11:51

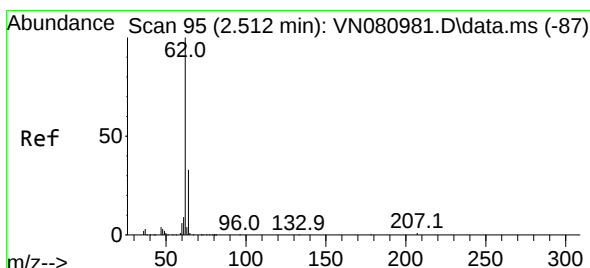
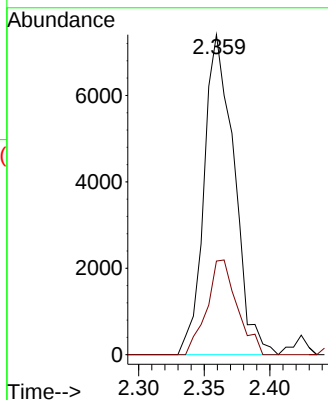
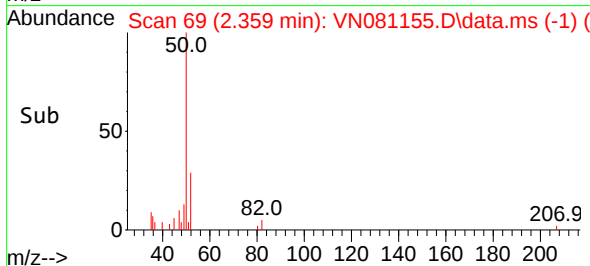
Instrument : MSVOA_N
ClientSampleId : MDL-WATER-03-QT1-2024



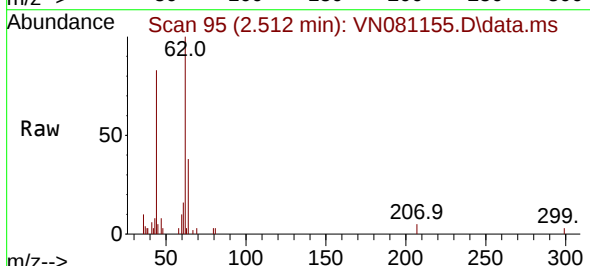
Tgt Ion: 50 Resp: 11824
Ion Ratio Lower Upper
50 100
52 29.3 25.4 38.0

Manual Integrations
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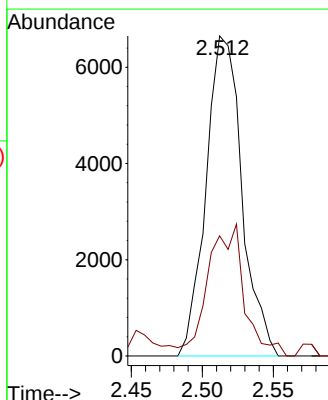
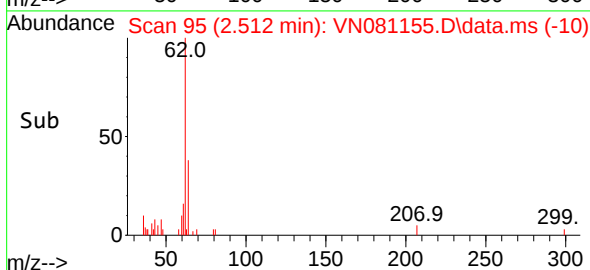
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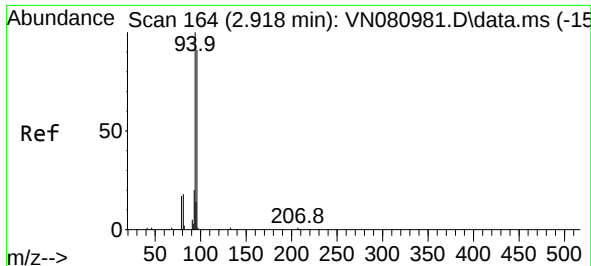


#4
Vinyl Chloride
Concen: 2.386 ug/l
RT: 2.512 min Scan# 95
Delta R.T. -0.000 min
Lab File: VN081155.D
Acq: 23 Feb 2024 11:51



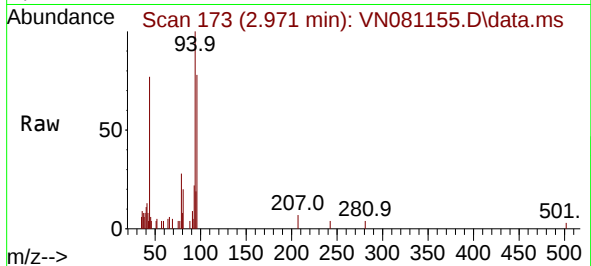
Tgt Ion: 62 Resp: 11699
Ion Ratio Lower Upper
62 100
64 34.9 24.1 36.1





#5
Bromomethane
Concen: 2.951 ug/l m
RT: 2.971 min Scan# 1
Delta R.T. 0.053 min
Lab File: VN081155.D
Acq: 23 Feb 2024 11:51

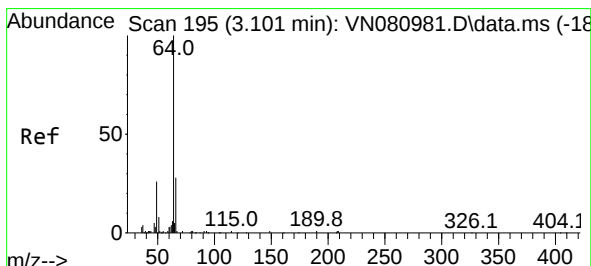
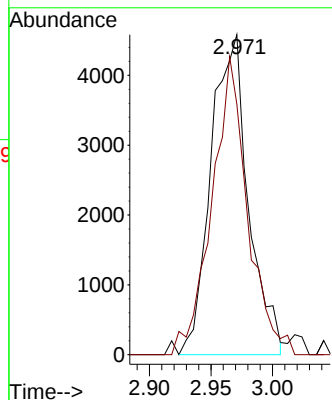
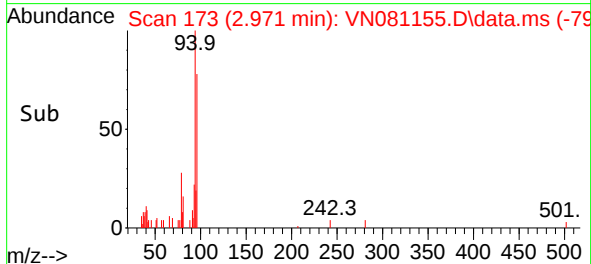
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT1-2024



Tgt Ion: 94 Resp: 9719
Ion Ratio Lower Upper
94 100
96 78.3 72.8 109.2

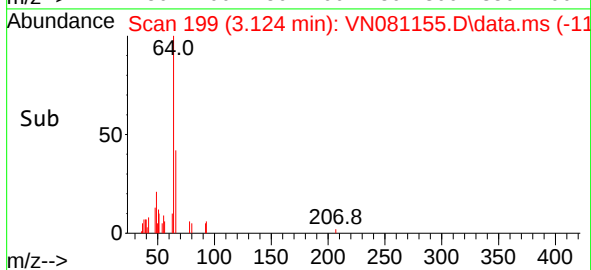
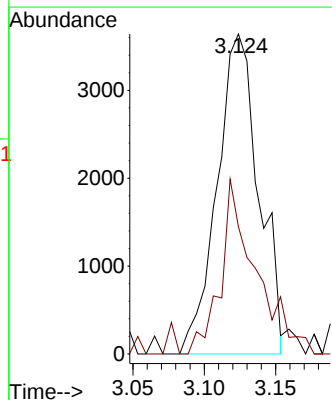
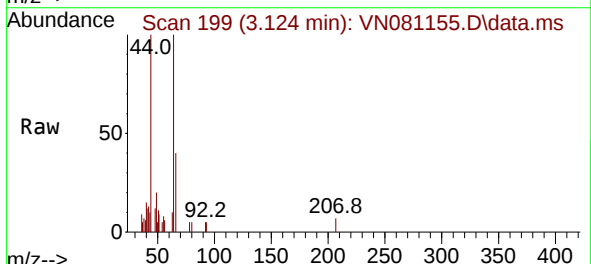
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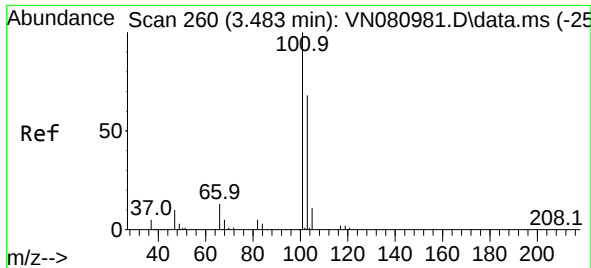
Reviewed By :John Carlone 02/26/2024
Supervised By :Mahesh Dadoda 02/26/2024



#6
Chloroethane
Concen: 2.319 ug/l m
RT: 3.124 min Scan# 199
Delta R.T. 0.023 min
Lab File: VN081155.D
Acq: 23 Feb 2024 11:51

Tgt Ion: 64 Resp: 7410
Ion Ratio Lower Upper
64 100
66 39.8 26.7 40.1





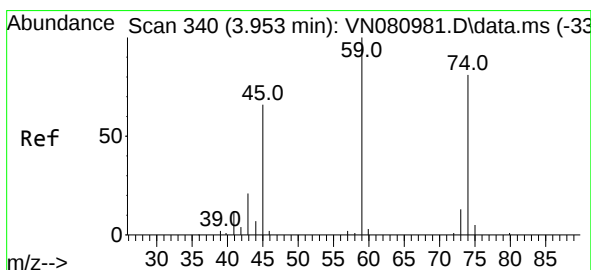
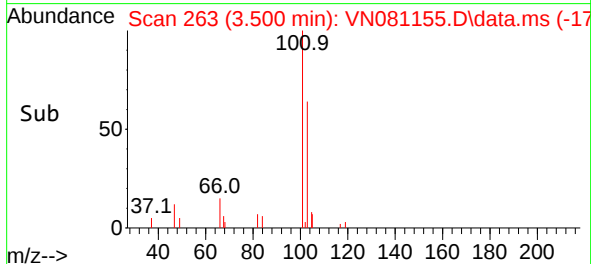
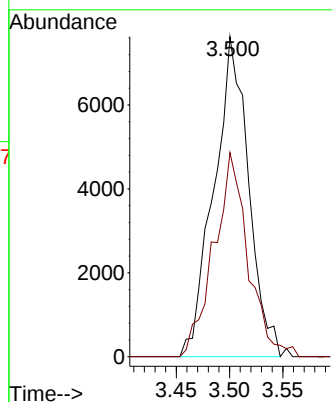
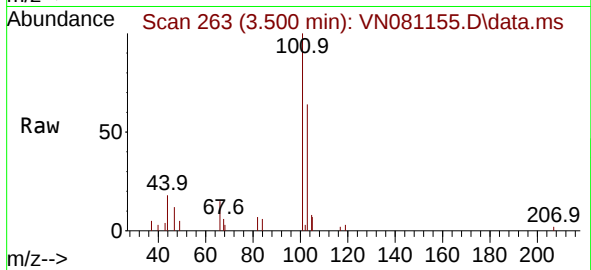
#7
Trichlorofluoromethane
Concen: 2.672 ug/l
RT: 3.500 min Scan# 20
Delta R.T. 0.018 min
Lab File: VN081155.D
Acq: 23 Feb 2024 11:51

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MDL-WATER-03-QT1-2024

Tgt Ion:101 Resp: 1725
Ion Ratio Lower Upper
101 100
103 63.7 53.0 79.4

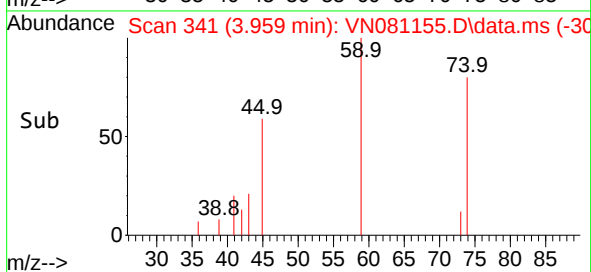
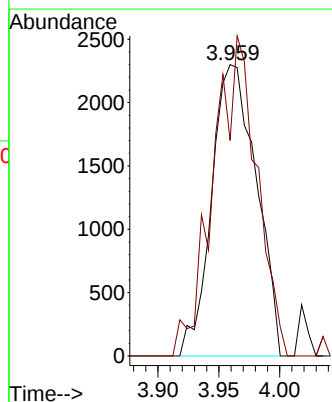
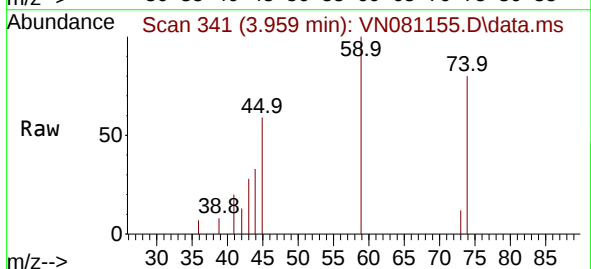
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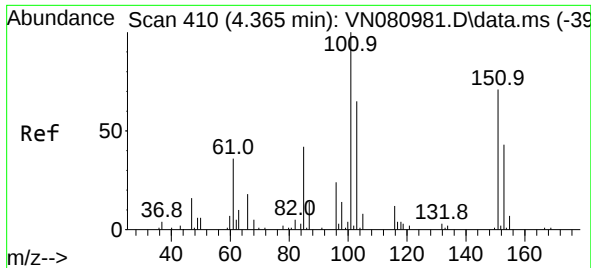
Reviewed By :John Carlone 02/26/2024
Supervised By :Mahesh Dadoda 02/26/2024



#8
Diethyl Ether
Concen: 2.586 ug/l
RT: 3.959 min Scan# 341
Delta R.T. 0.006 min
Lab File: VN081155.D
Acq: 23 Feb 2024 11:51

Tgt Ion: 74 Resp: 5868
Ion Ratio Lower Upper
74 100
45 57.3 16.4 147.4





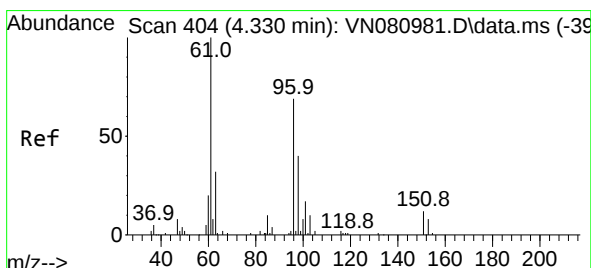
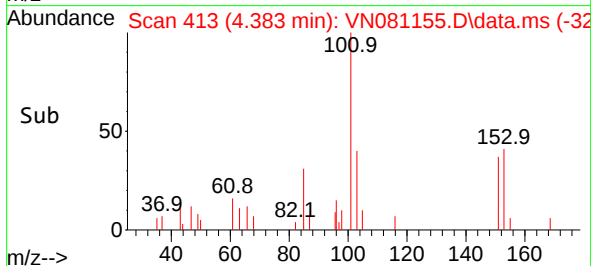
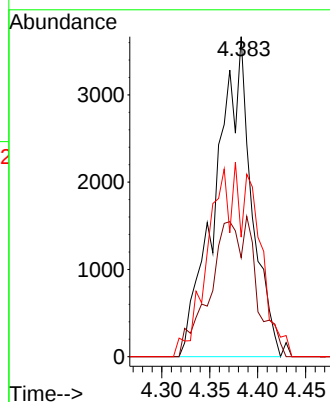
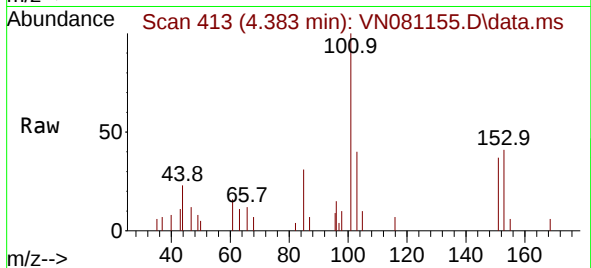
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1,1,2-Trichlorotrifluoroethane
Concen: 2.720 ug/l m
RT: 4.383 min Scan# 410
Delta R.T. 0.018 min
Lab File: VN081155.D
Acq: 23 Feb 2024 11:51

Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT1-2024

Tgt Ion:101 Resp: 953
Ion Ratio Lower Upper
101 100
85 36.7 0.0 90.6
151 36.6 0.0 157.6

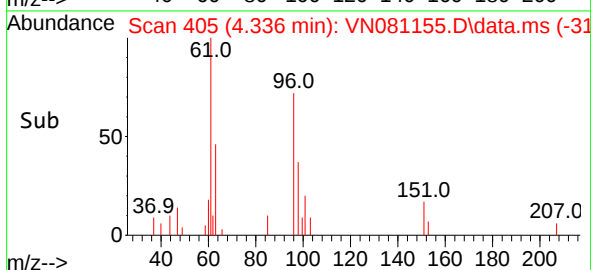
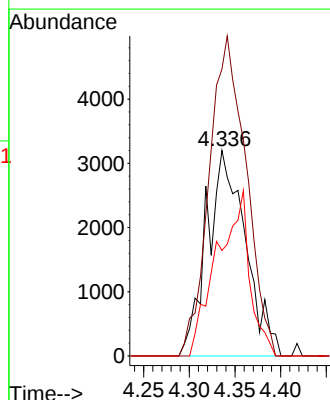
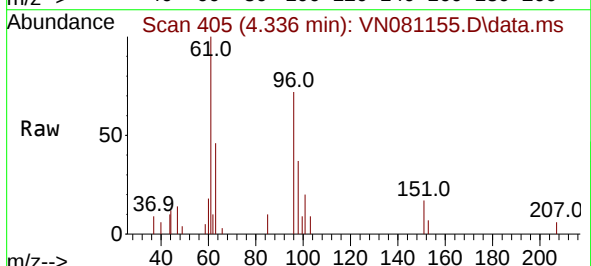
Manual Integrations
APPROVED

Reviewed By :John Carlone 02/26/2024
Supervised By :Mahesh Dadoda 02/26/2024



#10
1,1-Dichloroethene
Concen: 2.756 ug/l m
RT: 4.336 min Scan# 405
Delta R.T. 0.006 min
Lab File: VN081155.D
Acq: 23 Feb 2024 11:51

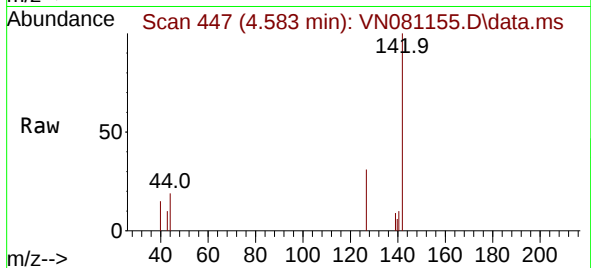
Tgt Ion: 96 Resp: 9463
Ion Ratio Lower Upper
96 100
61 139.6 117.6 176.4
98 51.3 48.4 72.6





#11
Methyl Iodide
Concen: 2.078 ug/l m
RT: 4.583 min Scan# 447
Delta R.T. -0.000 min
Lab File: VN081155.D
Acq: 23 Feb 2024 11:51

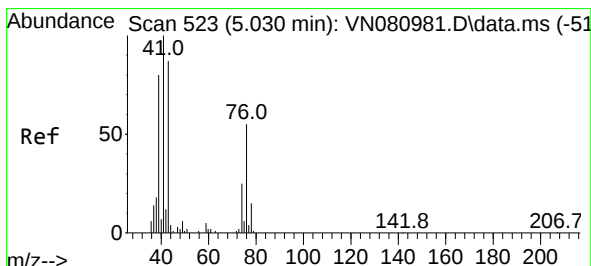
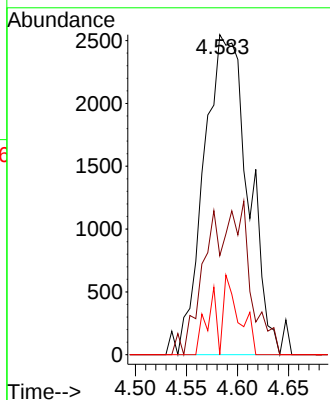
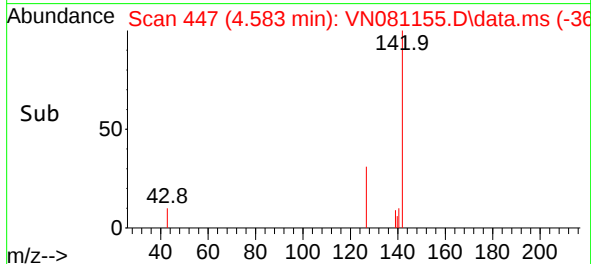
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT1-2024



Tgt Ion:142 Resp: 7644
Ion Ratio Lower Upper
142 100
127 30.9 26.3 78.9
141 0.0 8.3 24.9

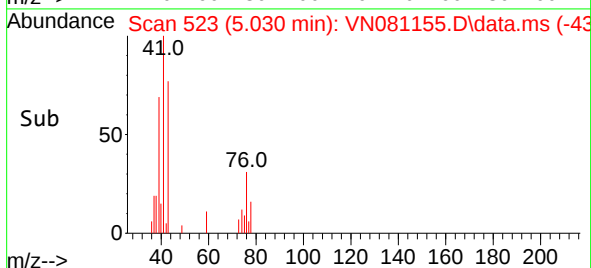
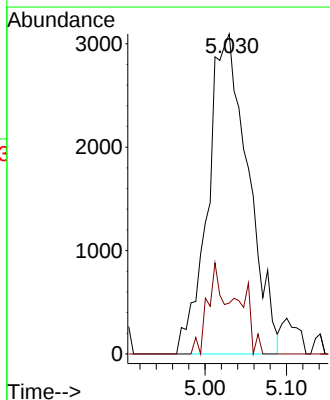
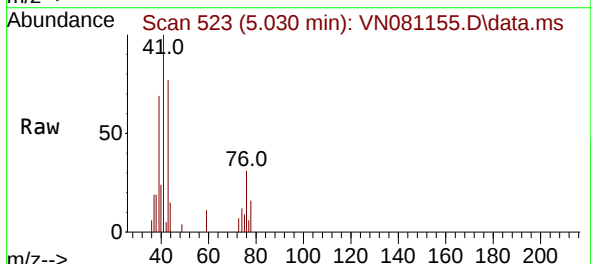
Manual Integrations
APPROVED

Reviewed By :John Carlone 02/26/2024
Supervised By :Mahesh Dadoda 02/26/2024



#12
Methyl Acetate
Concen: 3.405 ug/l m
RT: 5.030 min Scan# 523
Delta R.T. -0.000 min
Lab File: VN081155.D
Acq: 23 Feb 2024 11:51

Tgt Ion: 43 Resp: 10596
Ion Ratio Lower Upper
43 100
74 15.9 27.7 41.5





#13

Acrolein

Concen: 15.510 ug/l

RT: 4.183 min Scan# 31

Delta R.T. 0.012 min

Lab File: VN081155.D

Acq: 23 Feb 2024 11:51

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT1-2024

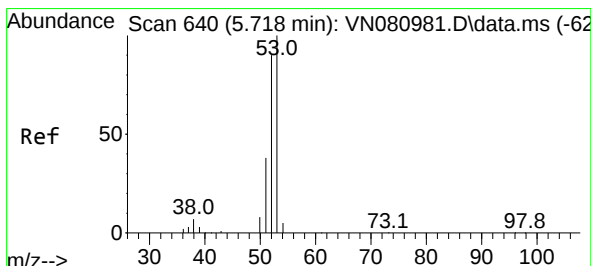
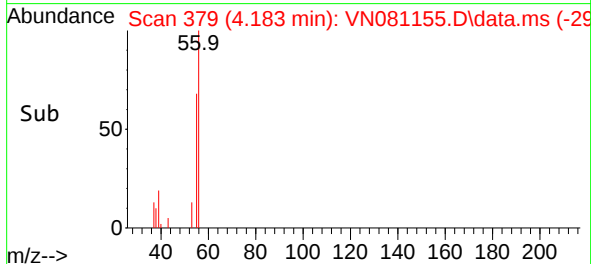
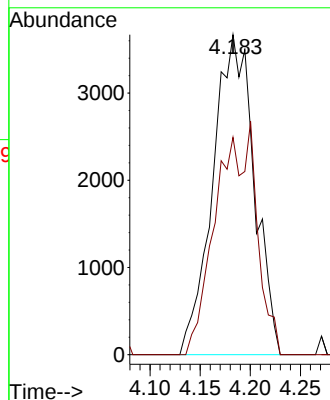
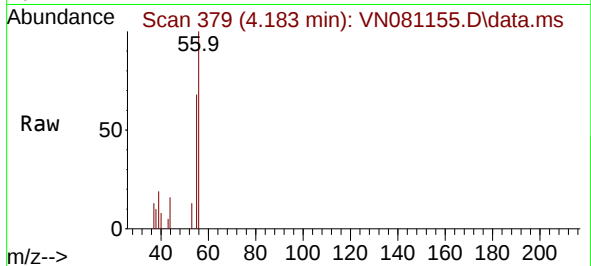
Tgt Ion: 56 Resp: 10520
 Ion Ratio Lower Upper
 56 100
 55 43.8 55.5 83.3

Manual Integrations

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Reviewed By :John Carlone 02/26/2024

Supervised By :Mahesh Dadoda 02/26/2024



#14

Acrylonitrile

Concen: 15.452 ug/l

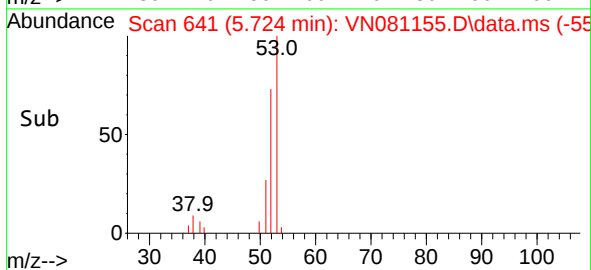
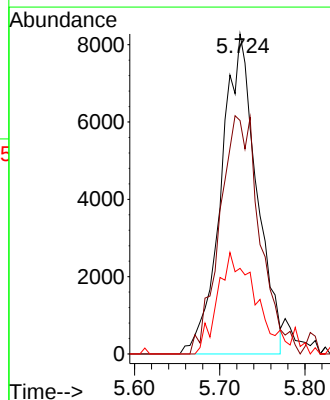
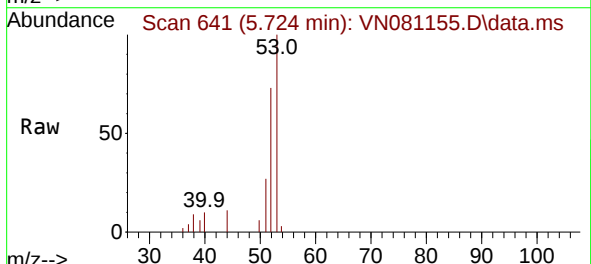
RT: 5.724 min Scan# 641

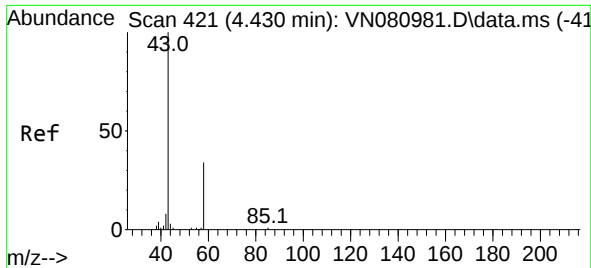
Delta R.T. 0.006 min

Lab File: VN081155.D

Acq: 23 Feb 2024 11:51

Tgt Ion: 53 Resp: 23878
 Ion Ratio Lower Upper
 53 100
 52 54.6 41.3 123.9
 51 22.9 16.8 50.3





#15

Acetone

Concen: 13.556 ug/l m

RT: 4.447 min Scan# 431

Delta R.T. 0.018 min

Lab File: VN081155.D

Acq: 23 Feb 2024 11:51

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT1-2024

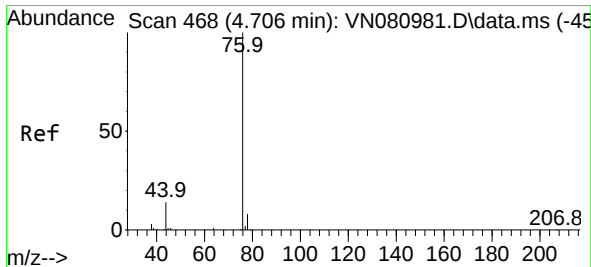
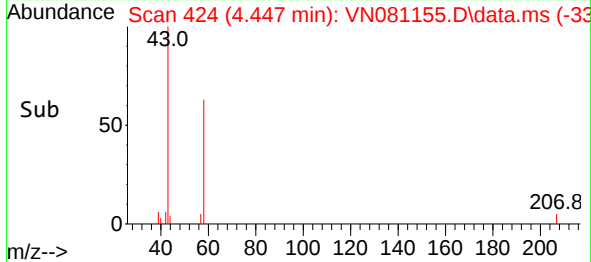
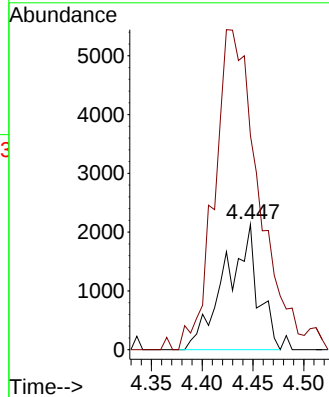
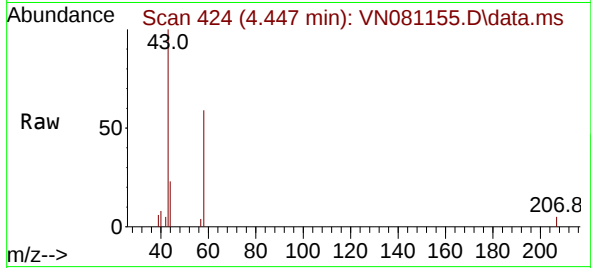
Tgt Ion: 58 Resp: 4819
 Ion Ratio Lower Upper
 58 100
 43 170.8 223.1 334.7

Manual Integrations

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Reviewed By :John Carlone 02/26/2024

Supervised By :Mahesh Dadoda 02/26/2024



#16

Carbon Disulfide

Concen: 2.582 ug/l

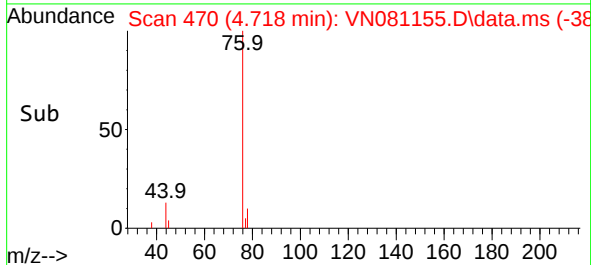
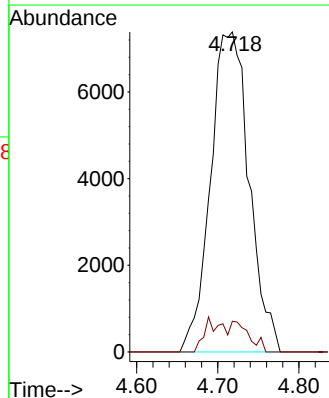
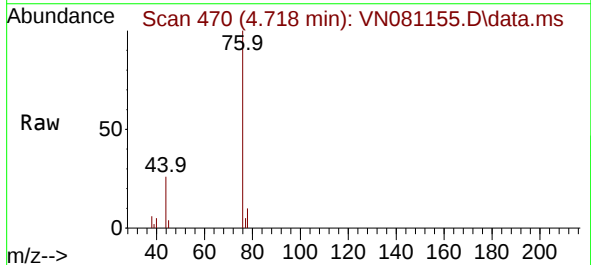
RT: 4.718 min Scan# 470

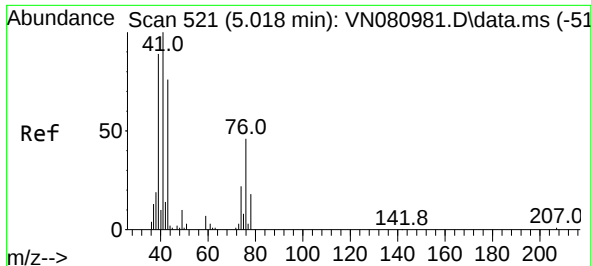
Delta R.T. 0.012 min

Lab File: VN081155.D

Acq: 23 Feb 2024 11:51

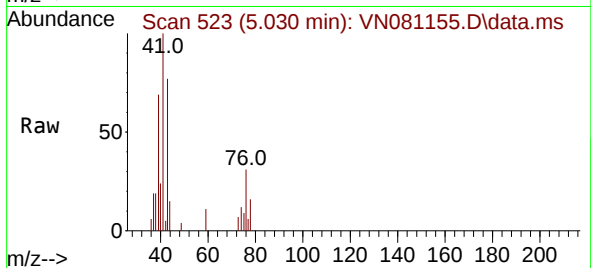
Tgt Ion: 76 Resp: 24336
 Ion Ratio Lower Upper
 76 100
 78 9.6 6.3 9.5





#17
Allyl chloride
Concen: 2.697 ug/l m
RT: 5.030 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN081155.D
Acq: 23 Feb 2024 11:51

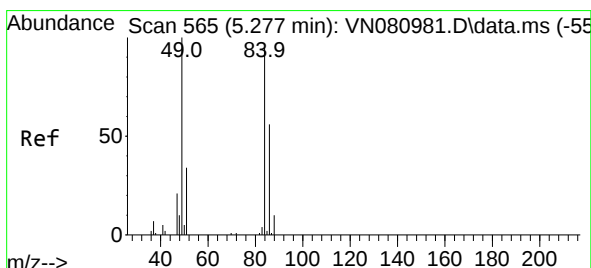
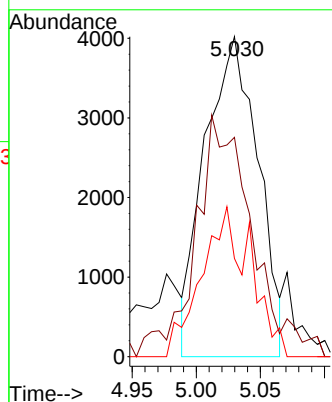
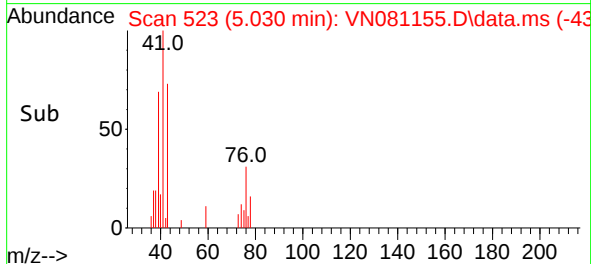
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT1-2024



Tgt Ion: 41 Resp: 1163
Ion Ratio Lower Upper
41 100
39 68.5 37.6 112.9
76 30.7 27.8 83.4

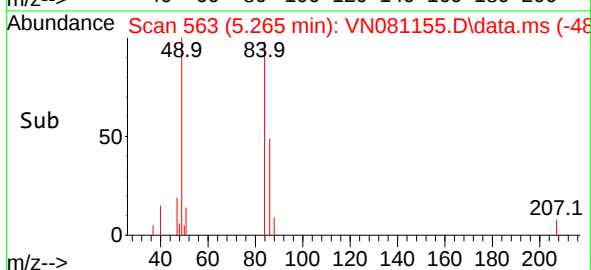
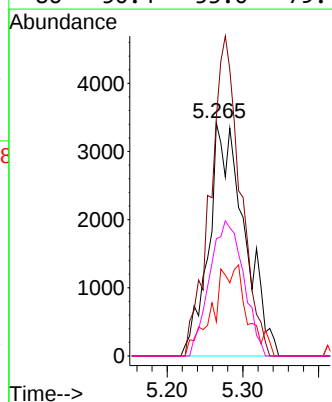
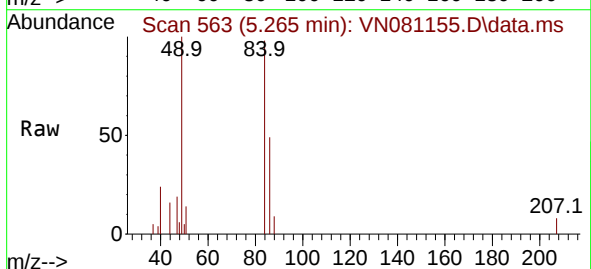
Manual Integrations
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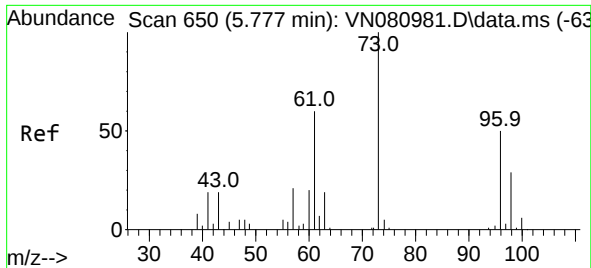
Reviewed By :John Carlone 02/26/2024
Supervised By :Mahesh Dadoda 02/26/2024



#18
Methylene Chloride
Concen: 2.861 ug/l m
RT: 5.265 min Scan# 563
Delta R.T. -0.012 min
Lab File: VN081155.D
Acq: 23 Feb 2024 11:51

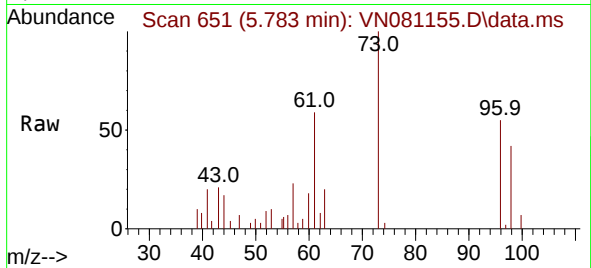
Tgt Ion: 84 Resp: 11230
Ion Ratio Lower Upper
84 100
49 102.5 86.0 129.0
51 14.7 30.0 45.0#
86 50.4 53.0 79.4#





#19
trans-1,2-Dichloroethene
Concen: 2.562 ug/l m
RT: 5.783 min Scan# 650
Delta R.T. 0.006 min
Lab File: VN081155.D
Acq: 23 Feb 2024 11:51

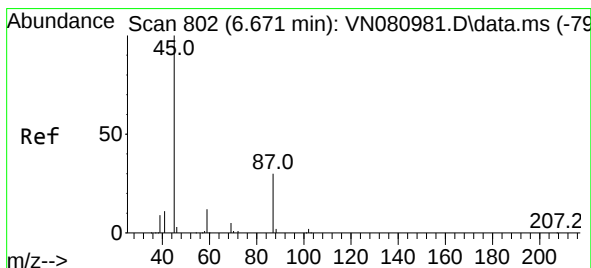
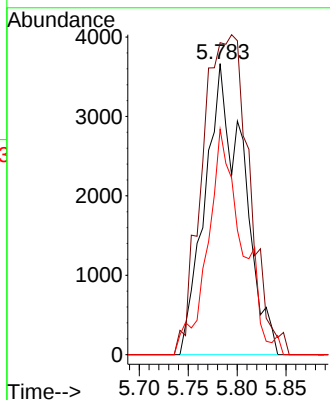
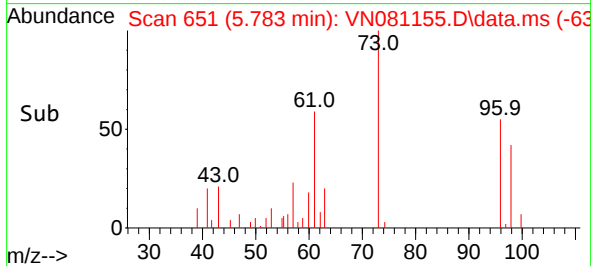
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT1-2024



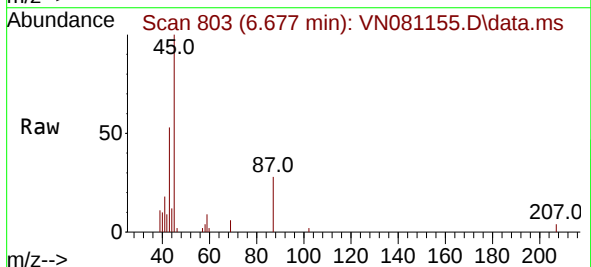
Tgt Ion: 96 Resp: 9990
Ion Ratio Lower Upper
96 100
61 107.2 111.8 167.6
98 77.4 49.2 73.8

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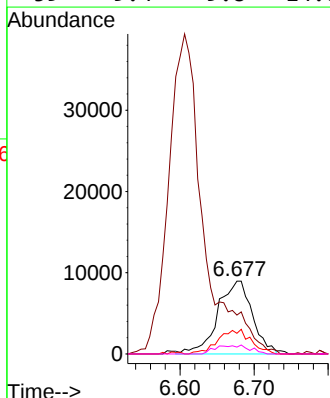
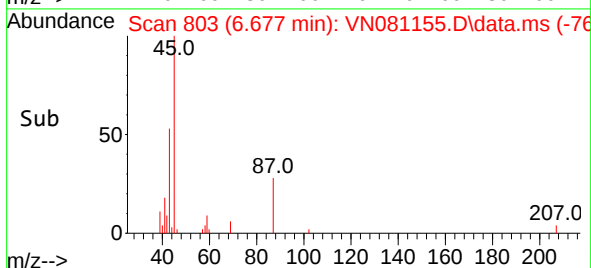
Reviewed By :John Carlone 02/26/2024
Supervised By :Mahesh Dadoda 02/26/2024

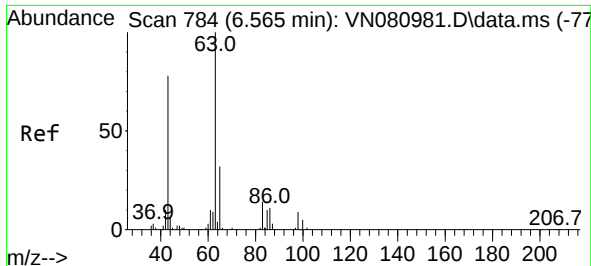


#20
Diisopropyl ether
Concen: 2.803 ug/l m
RT: 6.677 min Scan# 803
Delta R.T. 0.006 min
Lab File: VN081155.D
Acq: 23 Feb 2024 11:51



Tgt Ion: 45 Resp: 29053
Ion Ratio Lower Upper
45 100
43 53.3 40.4 60.6
87 28.3 23.8 35.8
59 9.4 9.8 14.6





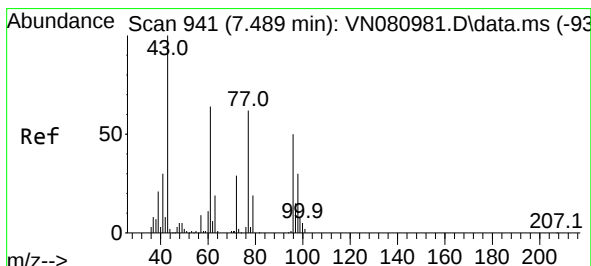
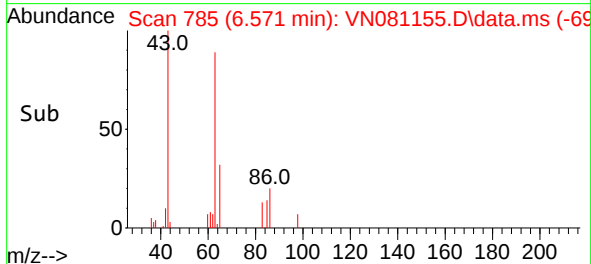
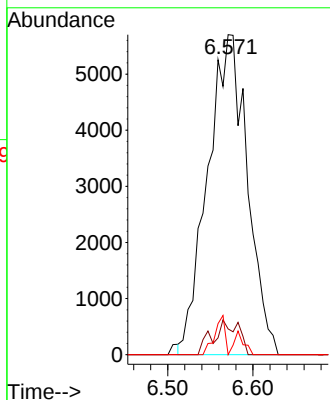
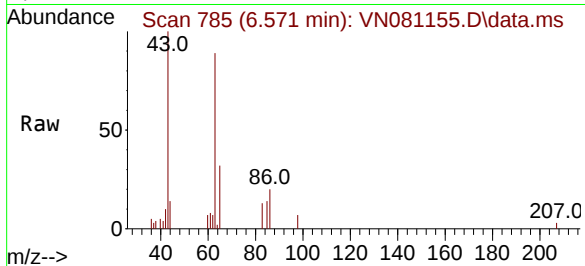
#21
1,1-Dichloroethane
Concen: 2.787 ug/l
RT: 6.571 min Scan# 784
Delta R.T. 0.006 min
Lab File: VN081155.D
Acq: 23 Feb 2024 11:51

Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT1-2024

Tgt Ion: 63 Resp: 1851
Ion Ratio Lower Upper
63 100
98 8.0 4.1 12.3
100 0.0 3.0 9.0

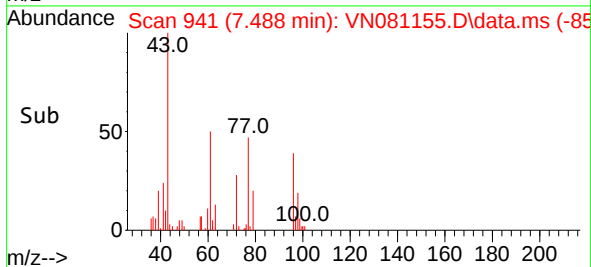
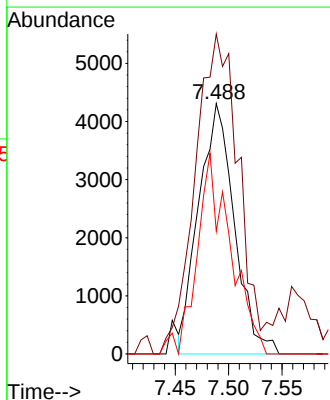
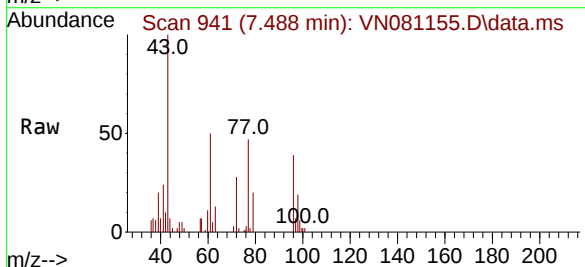
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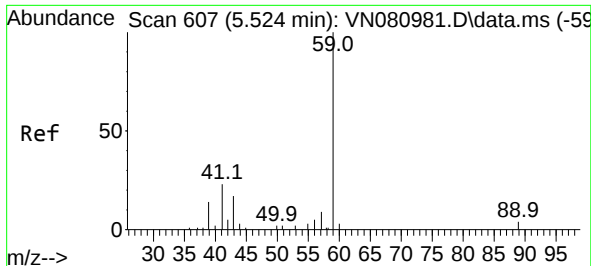
Reviewed By :John Carlone 02/26/2024
Supervised By :Mahesh Dadoda 02/26/2024



#22
cis-1,2-Dichloroethene
Concen: 2.215 ug/l m
RT: 7.488 min Scan# 941
Delta R.T. -0.000 min
Lab File: VN081155.D
Acq: 23 Feb 2024 11:51

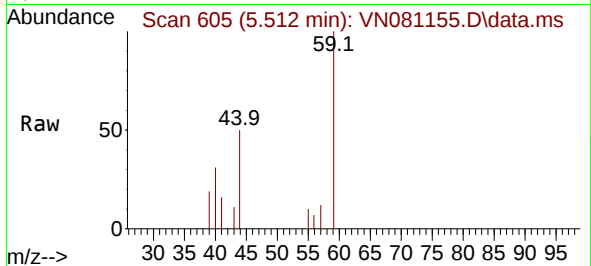
Tgt Ion: 96 Resp: 10036
Ion Ratio Lower Upper
96 100
61 153.3 113.5 170.3
98 41.0 52.0 78.0





#23
tert-Butyl Alcohol
Concen: 15.980 ug/l m
RT: 5.512 min Scan# 607
Delta R.T. -0.012 min
Lab File: VN081155.D
Acq: 23 Feb 2024 11:51

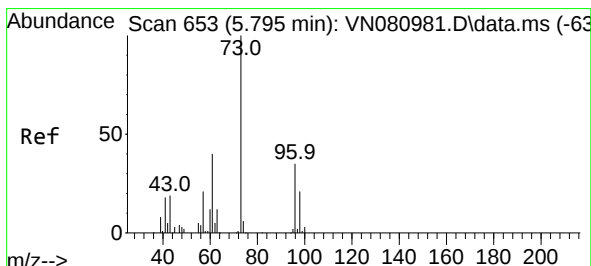
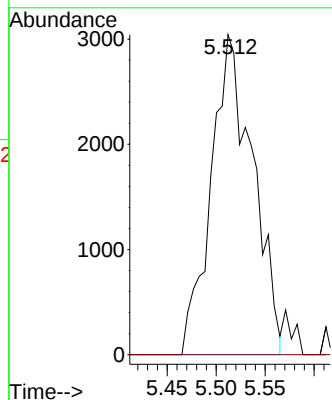
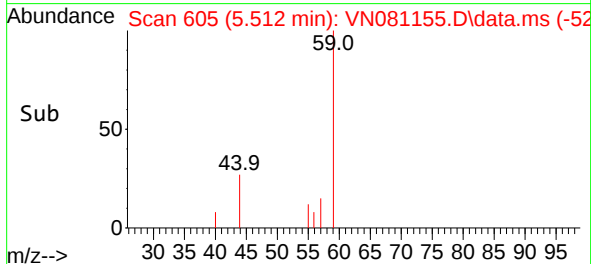
Instrument : MSVOA_N
ClientSampleId : MDL-WATER-03-QT1-2024



Tgt Ion: 59 Resp: 8990
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0

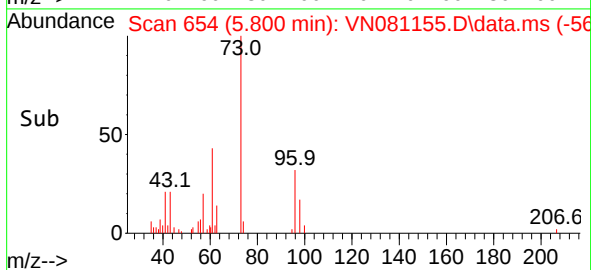
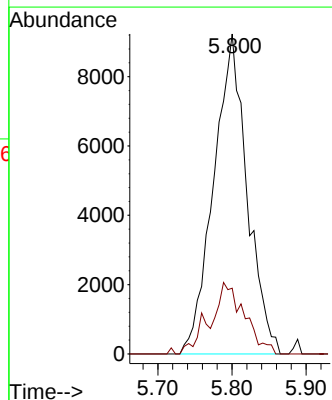
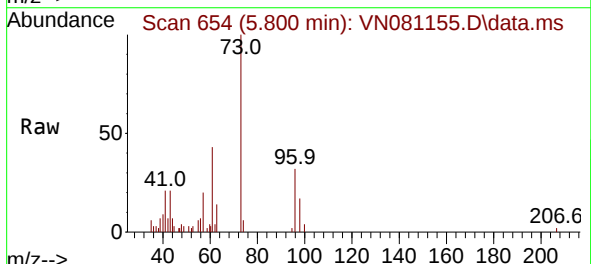
Manual Integrations
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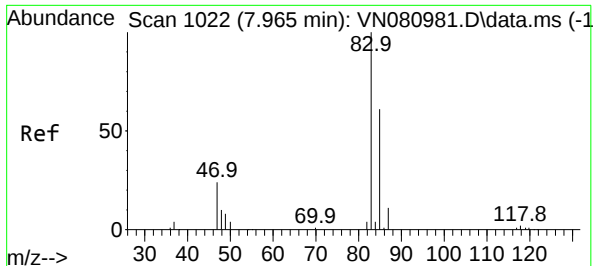
Reviewed By :John Carlone 02/26/2024
Supervised By :Mahesh Dadoda 02/26/2024



#24
Methyl tert-Butyl Ether
Concen: 2.545 ug/l
RT: 5.800 min Scan# 654
Delta R.T. 0.006 min
Lab File: VN081155.D
Acq: 23 Feb 2024 11:51

Tgt Ion: 73 Resp: 28970
Ion Ratio Lower Upper
73 100
43 17.0 13.4 20.2





#25

Chloroform

Concen: 2.625 ug/l

RT: 7.971 min Scan# 1022

Delta R.T. 0.006 min

Lab File: VN081155.D

Acq: 23 Feb 2024 11:51

Instrument :

MSVOA_N

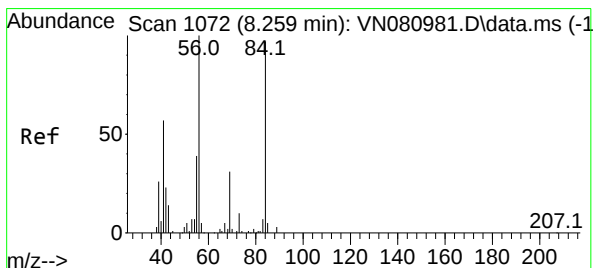
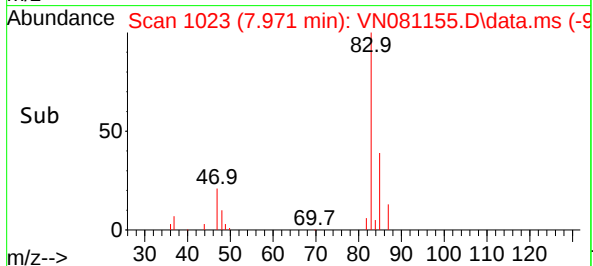
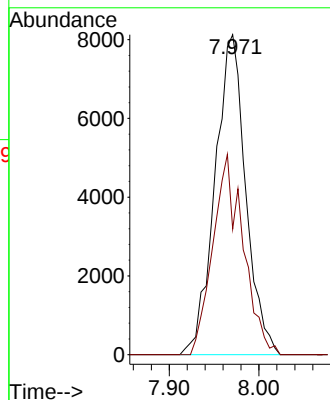
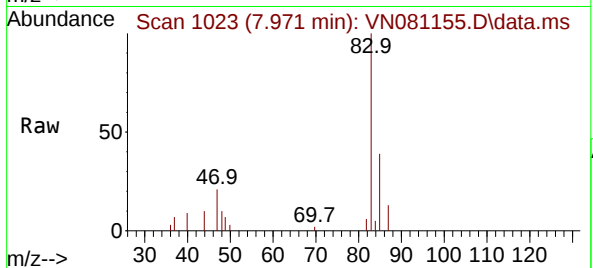
ClientSampleId :

MDL-WATER-03-QT1-2024

Tgt Ion: 83 Resp: 1934
 Ion Ratio Lower Upper
 83 100
 85 39.3 50.9 76.3

Manual Integrations
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Reviewed By :John Carlone 02/26/2024
 Supervised By :Mahesh Dadoda 02/26/2024



#26

Cyclohexane

Concen: 3.100 ug/l

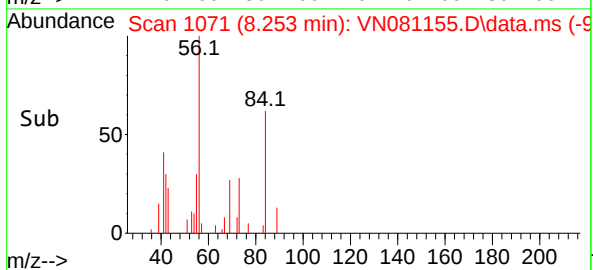
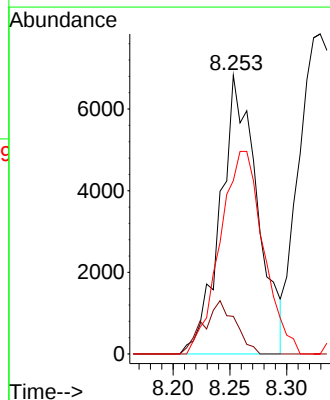
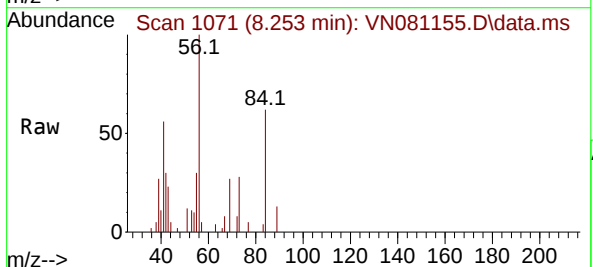
RT: 8.253 min Scan# 1071

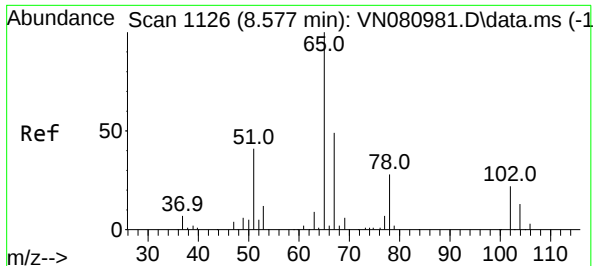
Delta R.T. -0.006 min

Lab File: VN081155.D

Acq: 23 Feb 2024 11:51

Tgt Ion: 56 Resp: 15509
 Ion Ratio Lower Upper
 56 100
 89 16.4 19.3 28.9#
 84 84.6 71.3 106.9





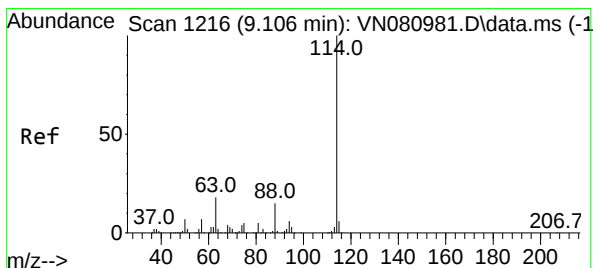
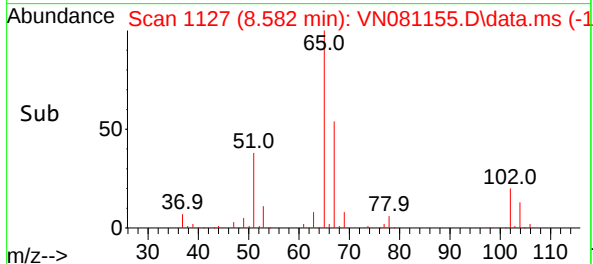
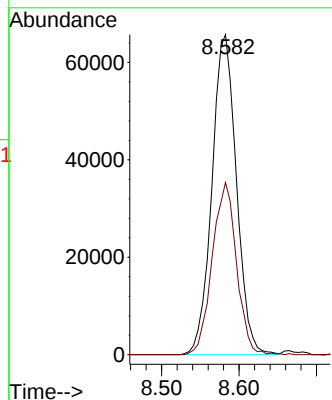
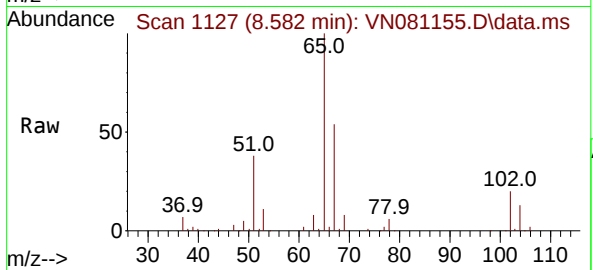
#27
1,2-Dichloroethane-d4
Concen: 31.960 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. 0.006 min
Lab File: VN081155.D
Acq: 23 Feb 2024 11:51

Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT1-2024

Tgt Ion: 65 Resp: 144520
Ion Ratio Lower Upper
65 100
67 53.0 43.2 64.8

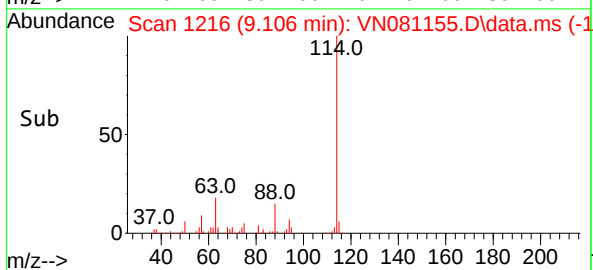
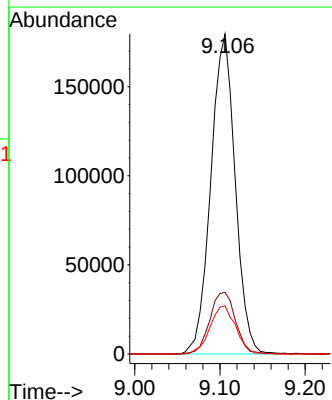
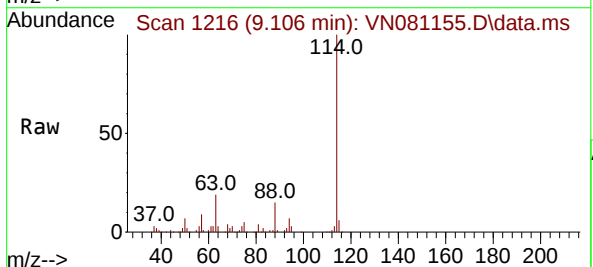
Manual Integrations
APPROVED

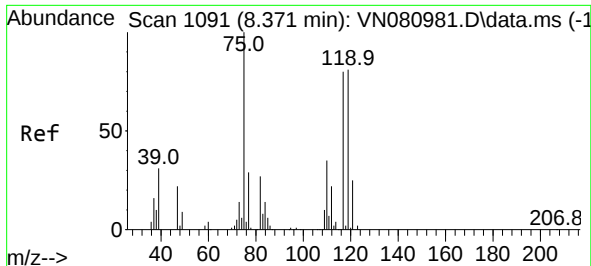
Reviewed By :John Carlone 02/26/2024
Supervised By :Mahesh Dadoda 02/26/2024



#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.106 min Scan# 1216
Delta R.T. -0.000 min
Lab File: VN081155.D
Acq: 23 Feb 2024 11:51

Tgt Ion:114 Resp: 356380
Ion Ratio Lower Upper
114 100
63 20.3 15.9 23.9
88 15.8 12.7 19.1





#29

1,1-Dichloropropene

Concen: 2.613 ug/l

RT: 8.371 min Scan# 1091

Delta R.T. -0.000 min

Lab File: VN081155.D

Acq: 23 Feb 2024 11:51

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT1-2024

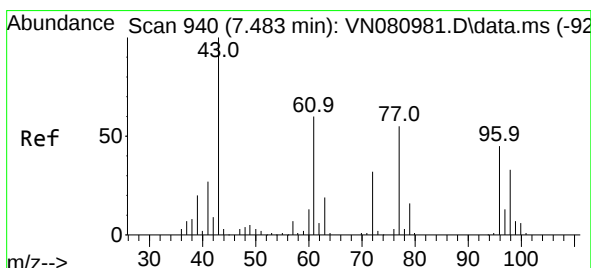
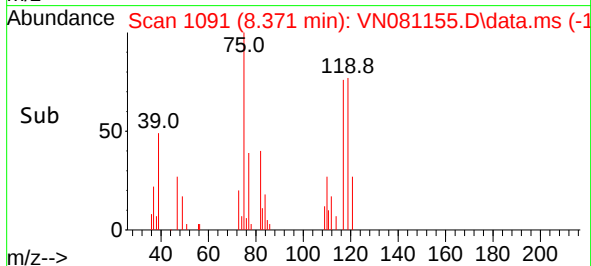
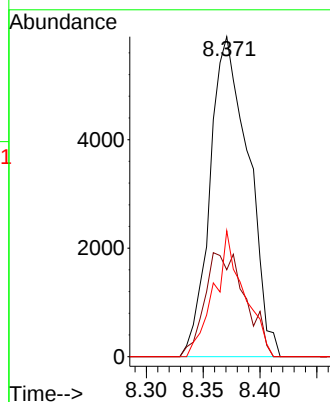
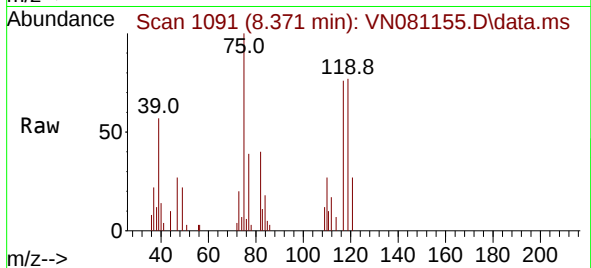
Tgt Ion:	75	Resp:	1387
Ion Ratio	Lower	Upper	
75	100		
110	19.7	0.0	70.2
77	30.8	0.0	61.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/26/2024

Supervised By :Mahesh Dadoda 02/26/2024



#30

2-Butanone

Concen: 14.911 ug/l

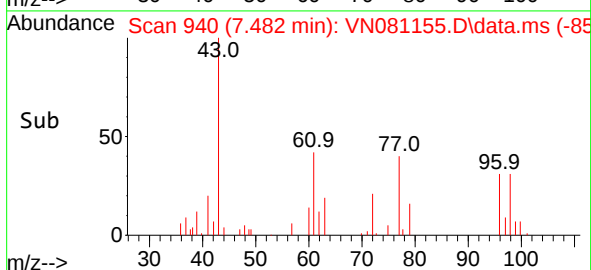
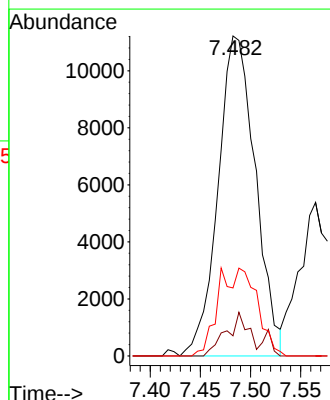
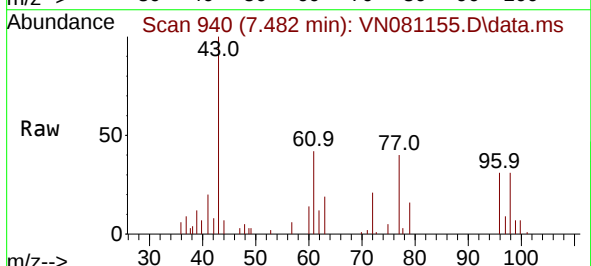
RT: 7.482 min Scan# 940

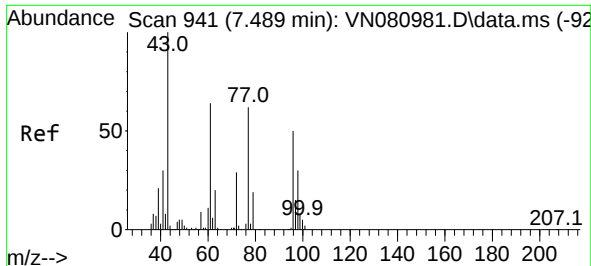
Delta R.T. -0.000 min

Lab File: VN081155.D

Acq: 23 Feb 2024 11:51

Tgt Ion:	43	Resp:	29042
Ion Ratio	Lower	Upper	
43	100		
57	4.4	6.7	10.1#
72	15.8	24.0	36.0#





#31

2,2-Dichloropropane

Concen: 2.486 ug/l m

RT: 7.488 min Scan# 941

Delta R.T. -0.000 min

Lab File: VN081155.D

Acq: 23 Feb 2024 11:51

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT1-2024

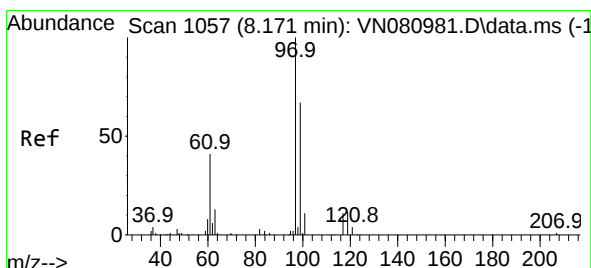
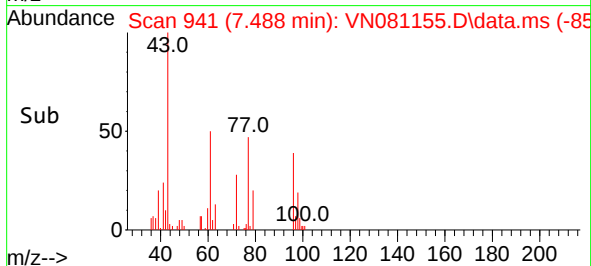
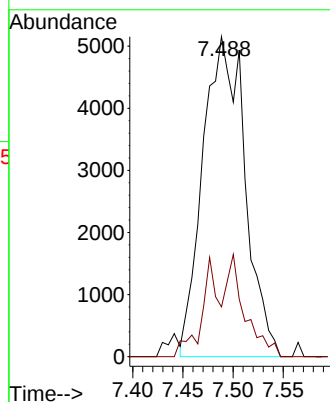
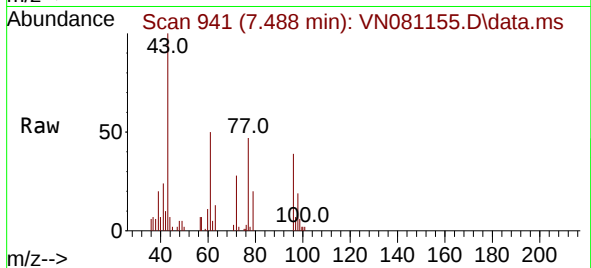
Tgt Ion: 77 Resp: 1502
 Ion Ratio Lower Upper
 77 100
 97 9.8 18.3 27.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/26/2024

Supervised By :Mahesh Dadoda 02/26/2024



#32

1,1,1-Trichloroethane

Concen: 2.540 ug/l m

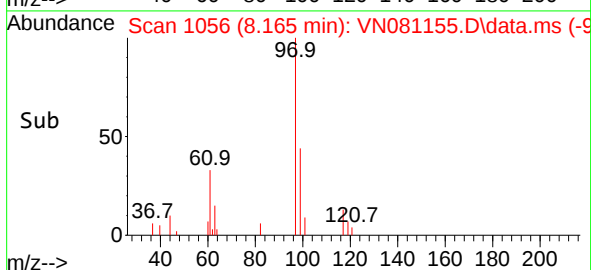
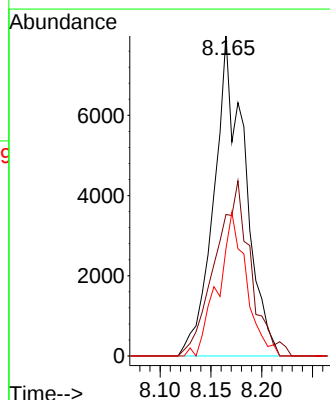
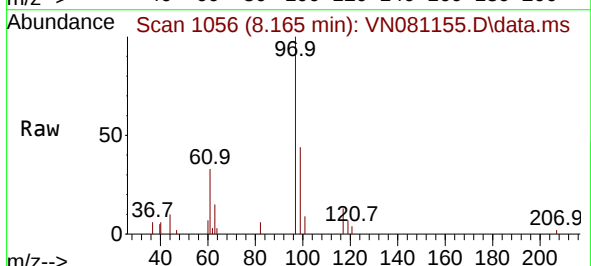
RT: 8.165 min Scan# 1056

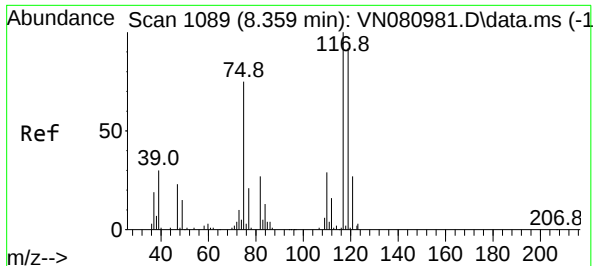
Delta R.T. -0.006 min

Lab File: VN081155.D

Acq: 23 Feb 2024 11:51

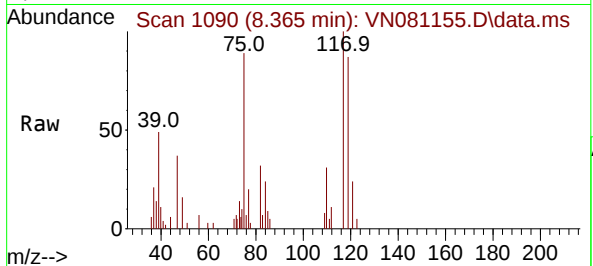
Tgt Ion: 97 Resp: 16960
 Ion Ratio Lower Upper
 97 100
 99 60.4 51.0 76.4
 61 30.2 33.8 50.8





#33
Carbon Tetrachloride
Concen: 2.512 ug/l
RT: 8.365 min Scan# 1109
Delta R.T. 0.006 min
Lab File: VN081155.D
Acq: 23 Feb 2024 11:51

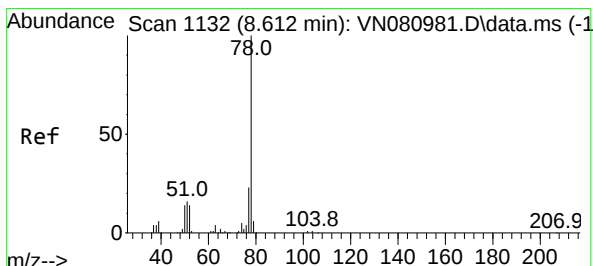
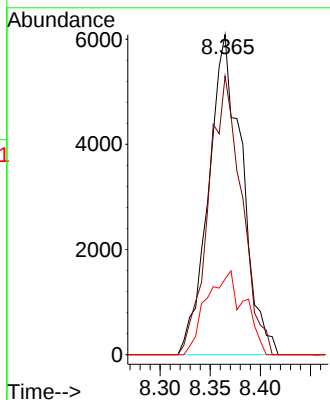
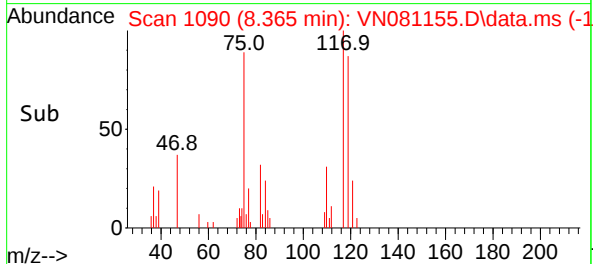
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT1-2024



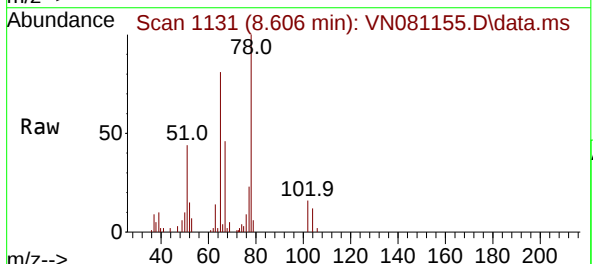
Tgt Ion: 117 Resp: 1413
Ion Ratio Lower Upper
117 100
119 87.1 77.7 116.5
121 23.7 27.0 40.6

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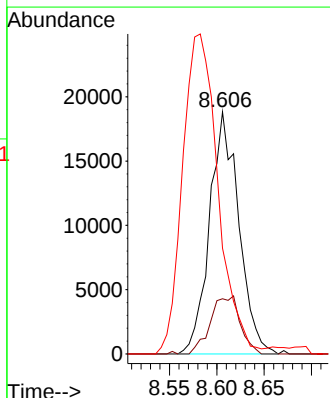
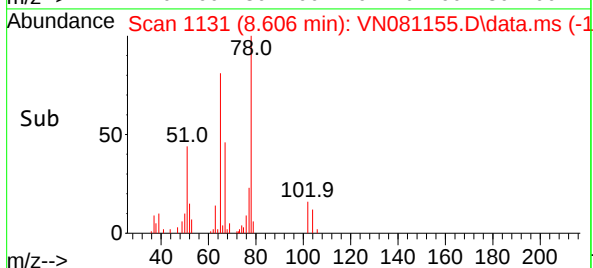
Reviewed By :John Carlone 02/26/2024
Supervised By :Mahesh Dadoda 02/26/2024



#34
Benzene
Concen: 2.486 ug/l
RT: 8.606 min Scan# 1131
Delta R.T. -0.006 min
Lab File: VN081155.D
Acq: 23 Feb 2024 11:51



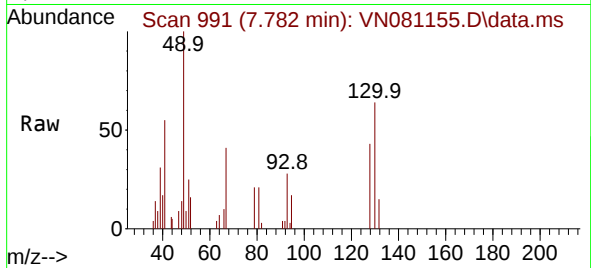
Tgt Ion: 78 Resp: 40332
Ion Ratio Lower Upper
78 100
77 22.8 19.2 28.8
51 41.0 13.3 19.9





#35
Methacrylonitrile
Concen: 3.109 ug/l
RT: 7.782 min Scan# 991
Delta R.T. 0.006 min
Lab File: VN081155.D
Acq: 23 Feb 2024 11:51

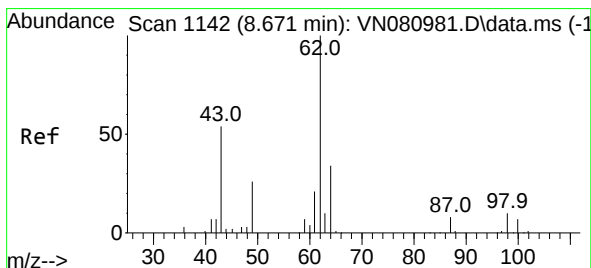
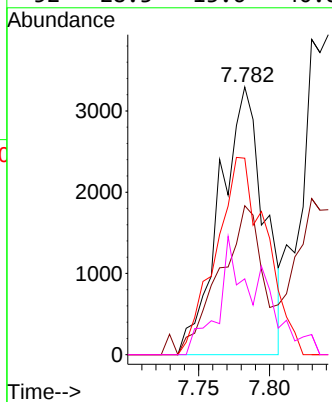
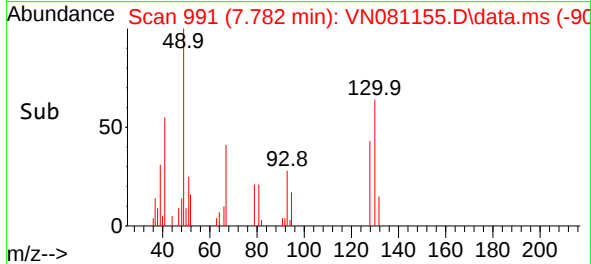
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT1-2024



Tgt Ion: 41 Resp: 711
Ion Ratio Lower Upper
41 100
39 55.6 25.3 75.9
67 73.4 38.7 116.1
52 28.3 13.6 40.8

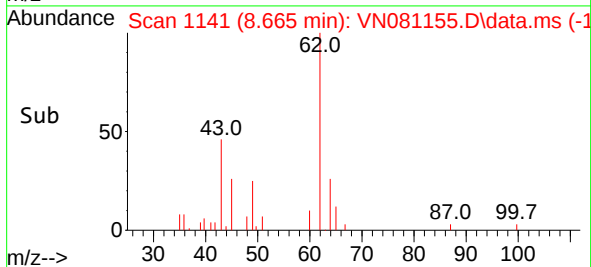
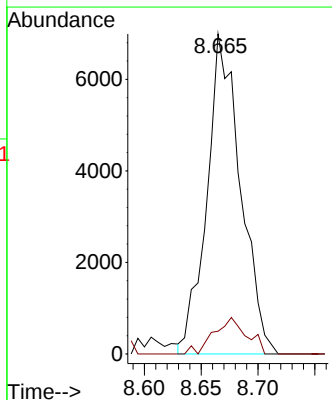
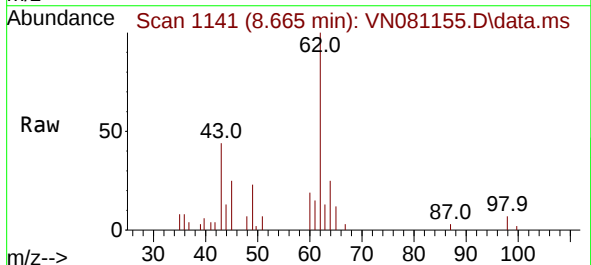
Manual Integrations
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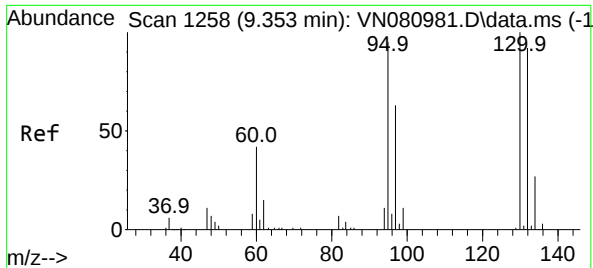
Reviewed By :John Carlone 02/26/2024
Supervised By :Mahesh Dadoda 02/26/2024



#36
1,2-Dichloroethane
Concen: 2.645 ug/l
RT: 8.665 min Scan# 1141
Delta R.T. -0.006 min
Lab File: VN081155.D
Acq: 23 Feb 2024 11:51

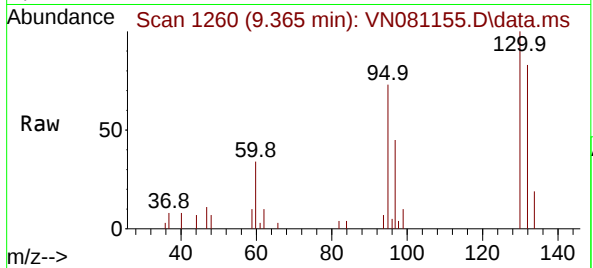
Tgt Ion: 62 Resp: 14398
Ion Ratio Lower Upper
62 100
98 9.6 8.2 12.4





#37
Trichloroethene
Concen: 2.547 ug/l
RT: 9.365 min Scan# 1101
Delta R.T. 0.012 min
Lab File: VN081155.D
Acq: 23 Feb 2024 11:51

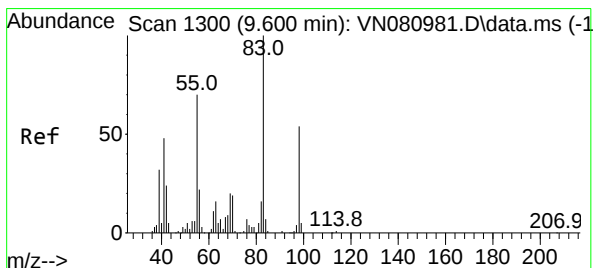
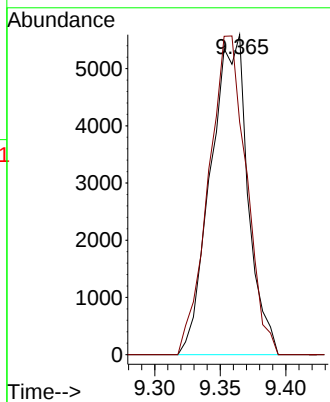
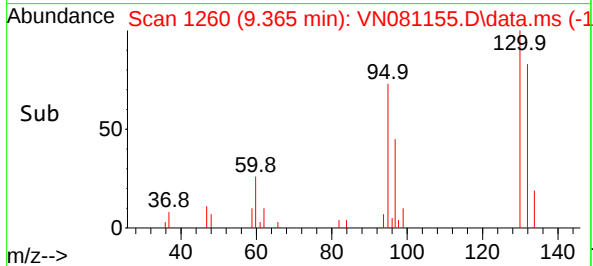
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT1-2024



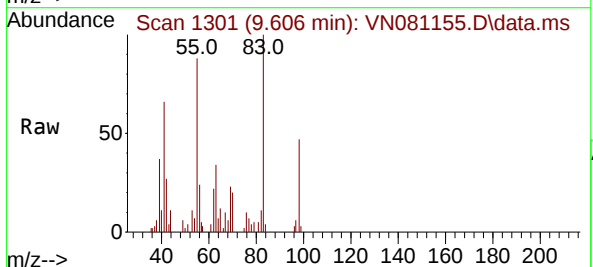
Tgt Ion:130 Resp: 10984
Ion Ratio Lower Upper
130 100
95 72.7 80.2 120.4

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APPROVED

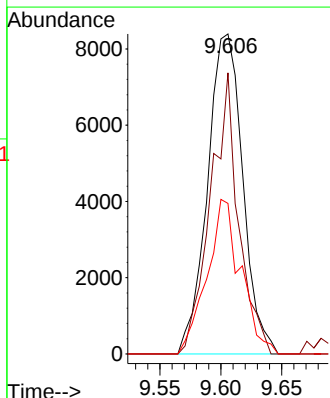
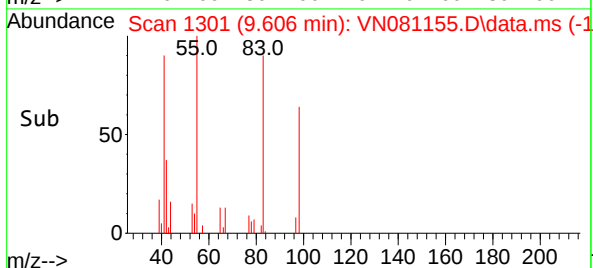
Reviewed By :John Carlone 02/26/2024
Supervised By :Mahesh Dadoda 02/26/2024

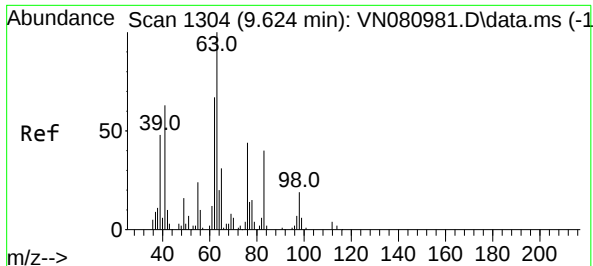


#38
Methylcyclohexane
Concen: 3.196 ug/l
RT: 9.606 min Scan# 1301
Delta R.T. 0.006 min
Lab File: VN081155.D
Acq: 23 Feb 2024 11:51



Tgt Ion: 83 Resp: 16932
Ion Ratio Lower Upper
83 100
55 70.1 36.6 109.9
98 46.3 23.8 71.5





#39

1,2-Dichloropropane

Concen: 2.857 ug/l

RT: 9.629 min Scan# 11

Delta R.T. 0.006 min

Lab File: VN081155.D

Acq: 23 Feb 2024 11:51

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT1-2024

Tgt Ion: 63 Resp: 10994

Ion Ratio Lower Upper

63 100

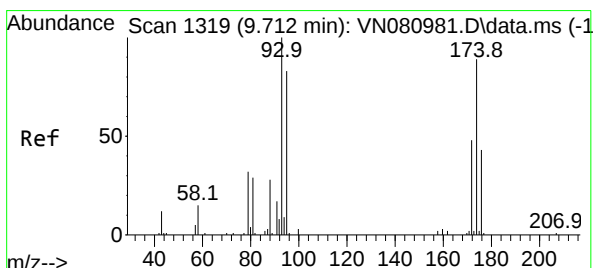
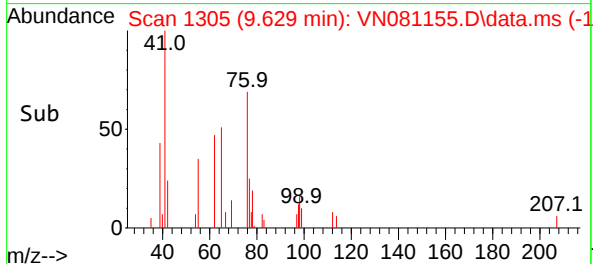
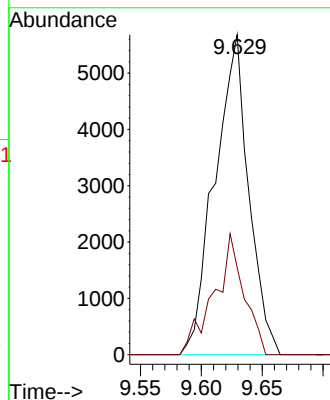
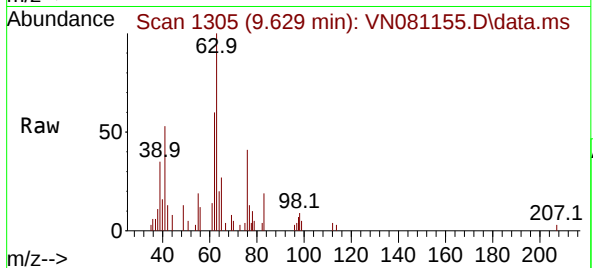
65 27.3 25.0 37.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/26/2024

Supervised By :Mahesh Dadoda 02/26/2024



#40

Dibromomethane

Concen: 2.708 ug/l

RT: 9.706 min Scan# 1318

Delta R.T. -0.006 min

Lab File: VN081155.D

Acq: 23 Feb 2024 11:51

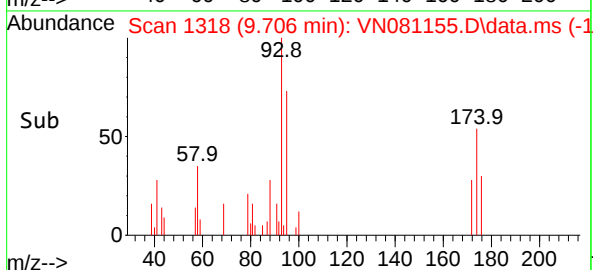
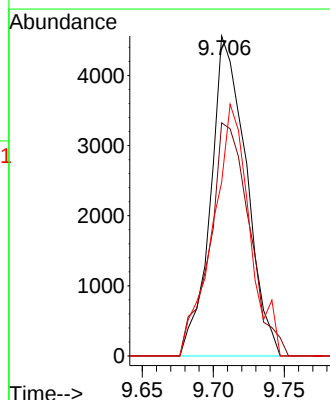
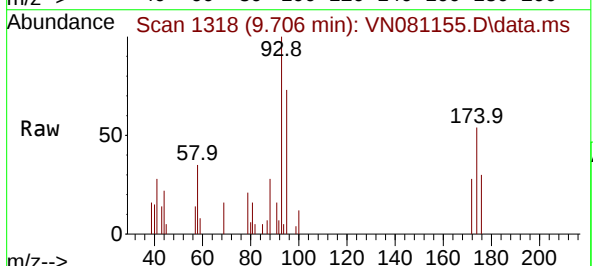
Tgt Ion: 93 Resp: 7927

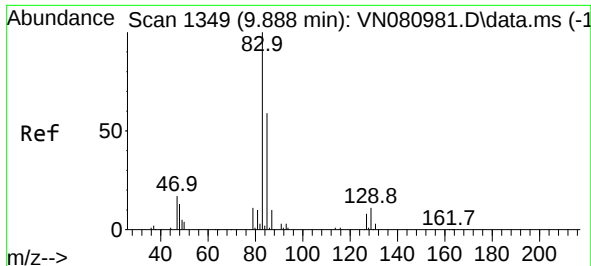
Ion Ratio Lower Upper

93 100

95 81.5 0.0 164.6

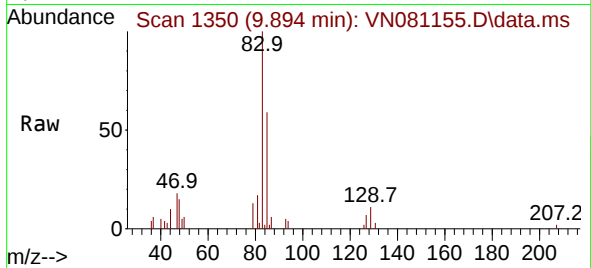
174 81.2 0.0 193.2





#41
Bromodichloromethane
Concen: 2.395 ug/l
RT: 9.894 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN081155.D
Acq: 23 Feb 2024 11:51

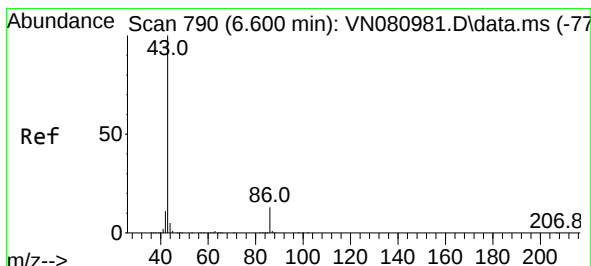
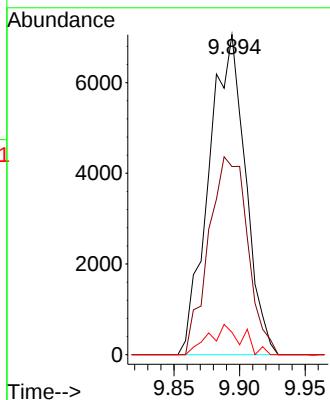
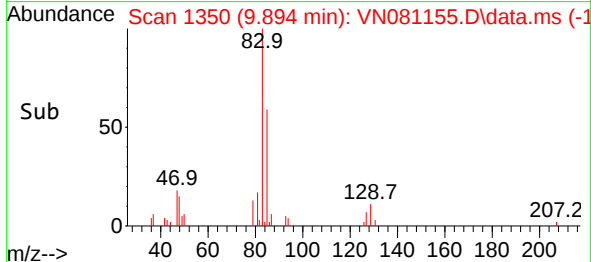
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT1-2024



Tgt Ion: 83 Resp: 1372
Ion Ratio Lower Upper
83 100
85 58.8 49.4 74.2
127 7.0 7.3 10.9

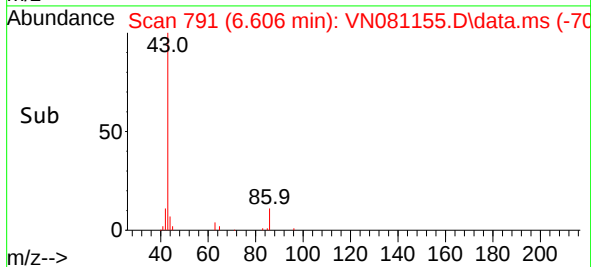
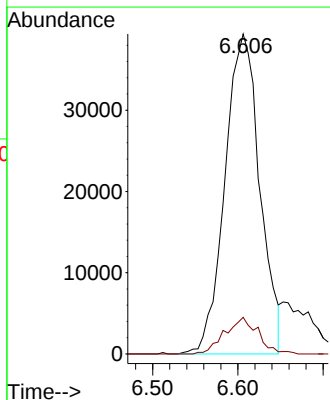
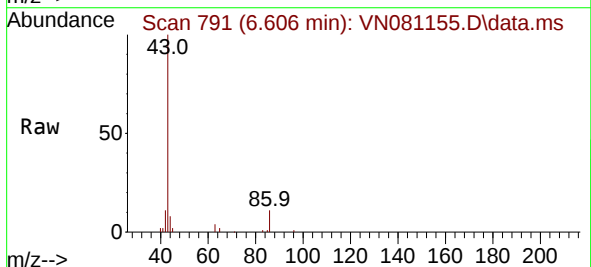
Manual Integrations
APPROVED

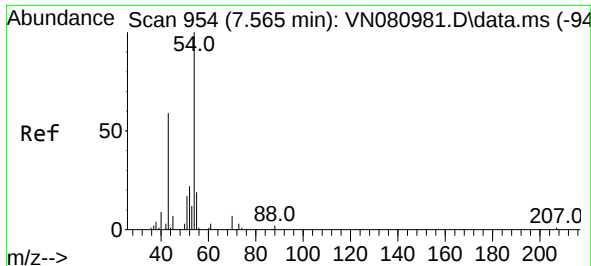
Reviewed By :John Carlone 02/26/2024
Supervised By :Mahesh Dadoda 02/26/2024



#42
Vinyl Acetate
Concen: 13.438 ug/l
RT: 6.606 min Scan# 791
Delta R.T. 0.006 min
Lab File: VN081155.D
Acq: 23 Feb 2024 11:51

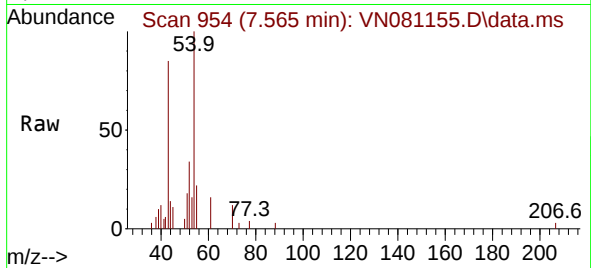
Tgt Ion: 43 Resp: 111952
Ion Ratio Lower Upper
43 100
86 8.6 9.4 14.2#





#43
Ethyl Acetate
Concen: 3.107 ug/l
RT: 7.565 min Scan# 91
Delta R.T. -0.000 min
Lab File: VN081155.D
Acq: 23 Feb 2024 11:51

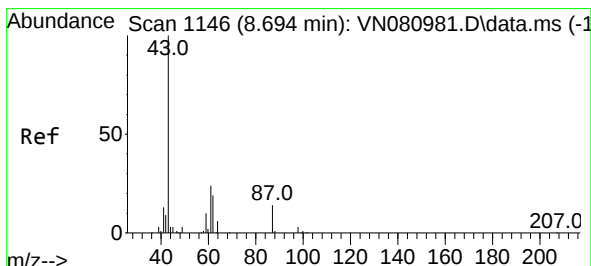
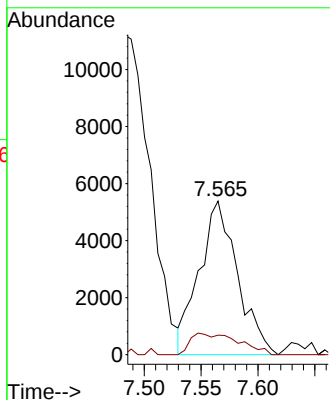
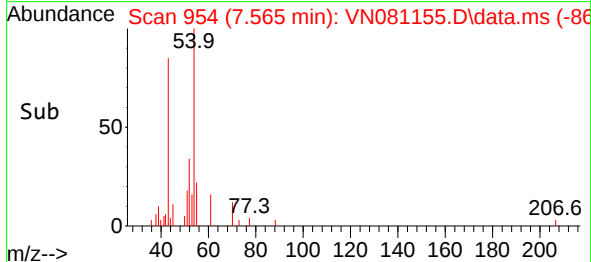
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT1-2024



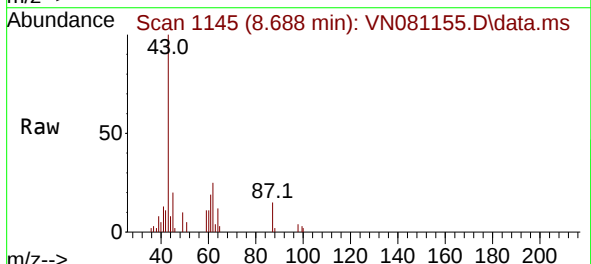
Tgt Ion: 43 Resp: 12604
Ion Ratio Lower Upper
43 100
45 8.0 10.6 15.8

Manual Integrations
APPROVED

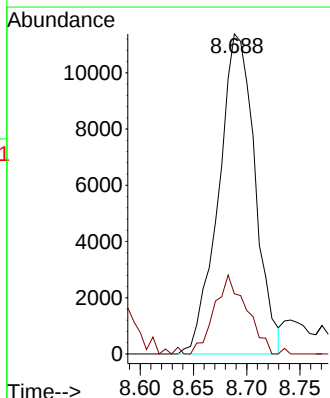
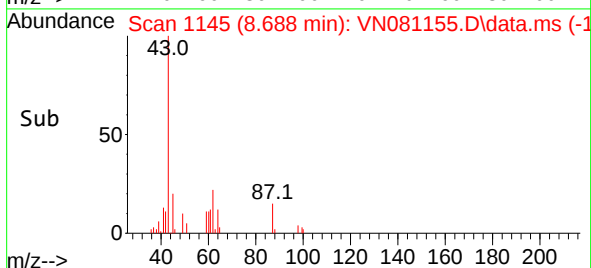
Reviewed By :John Carlone 02/26/2024
Supervised By :Mahesh Dadoda 02/26/2024

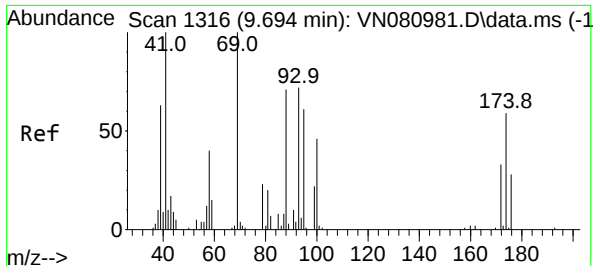


#44
Isopropyl Acetate
Concen: 3.717 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. -0.006 min
Lab File: VN081155.D
Acq: 23 Feb 2024 11:51



Tgt Ion: 43 Resp: 27090
Ion Ratio Lower Upper
43 100
61 21.9 25.0 37.4





#45

1,4-Dioxane

Concen: 55.172 ug/l

RT: 9.700 min Scan# 1317

Delta R.T. 0.006 min

Lab File: VN081155.D

Acq: 23 Feb 2024 11:51

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT1-2024

Tgt Ion: 88 Resp: 3814

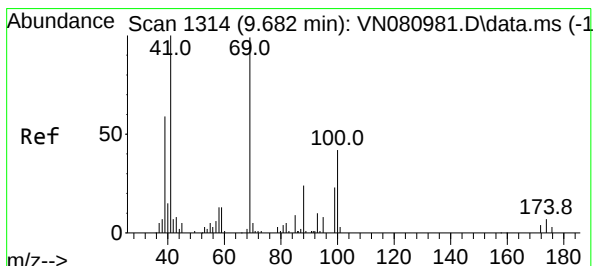
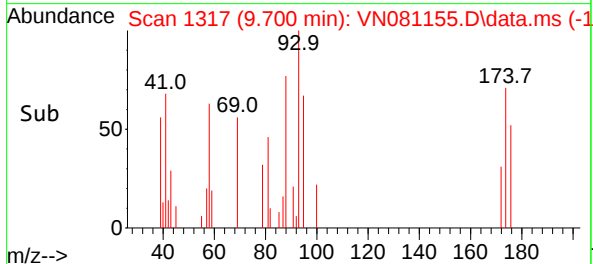
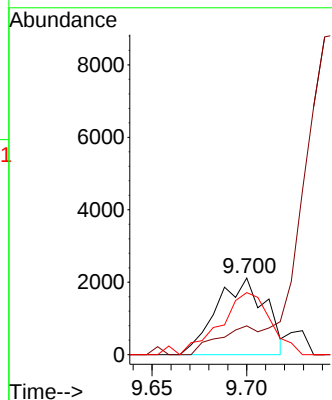
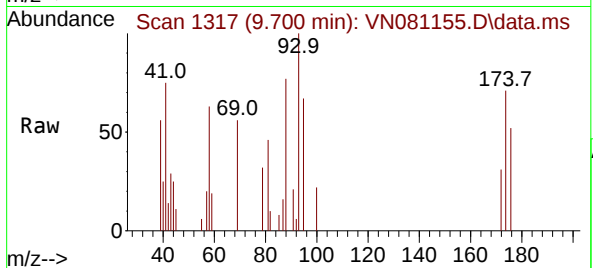
Ion	Ratio	Lower	Upper
88	100		
43	31.1	19.8	29.6
58	82.2	55.4	83.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/26/2024

Supervised By :Mahesh Dadoda 02/26/2024



#46

Methyl methacrylate

Concen: 2.506 ug/l

RT: 9.682 min Scan# 1314

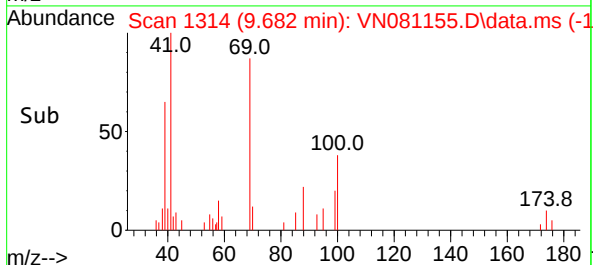
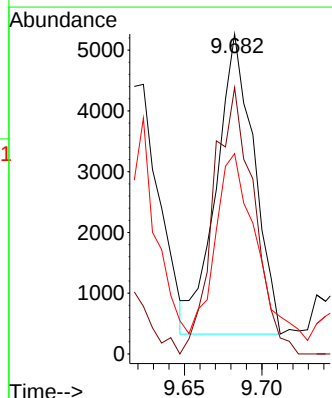
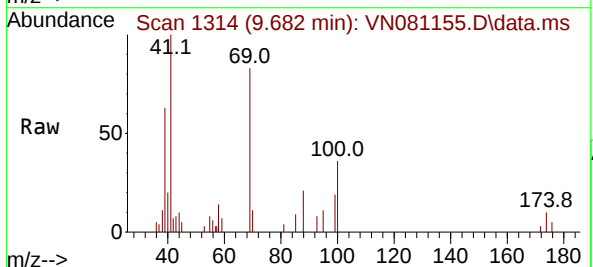
Delta R.T. -0.000 min

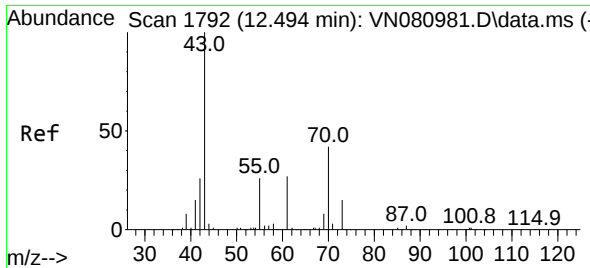
Lab File: VN081155.D

Acq: 23 Feb 2024 11:51

Tgt Ion: 41 Resp: 8359

Ion	Ratio	Lower	Upper
41	100		
69	88.8	51.1	153.3
39	55.7	25.8	77.3





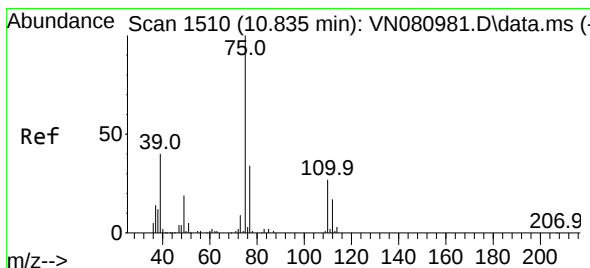
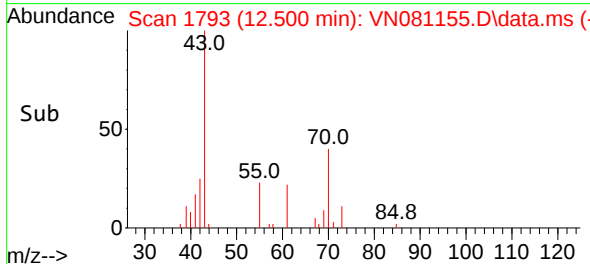
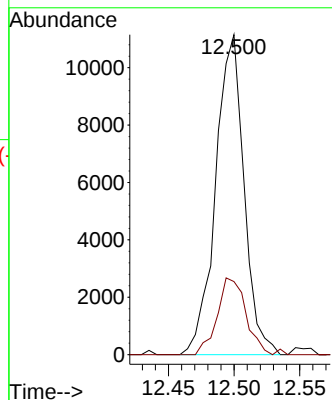
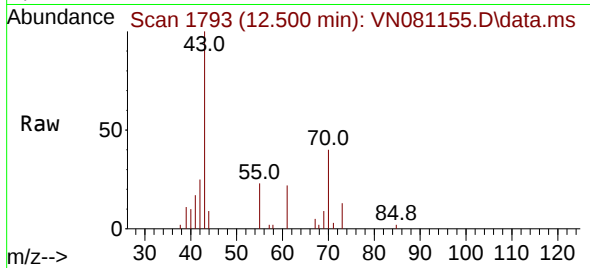
#47
n-amy1 Acetate
Concen: 2.642 ug/l
RT: 12.500 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN081155.D
Acq: 23 Feb 2024 11:51

Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT1-2024

Tgt Ion: 43 Resp: 16794
Ion Ratio Lower Upper
43 100
55 24.1 23.4 35.2

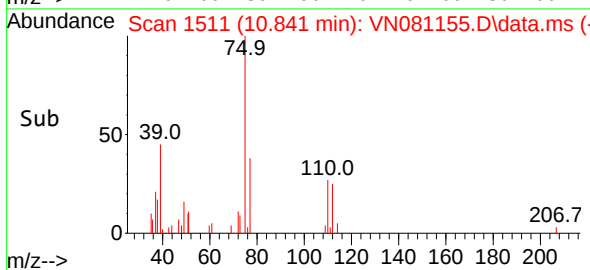
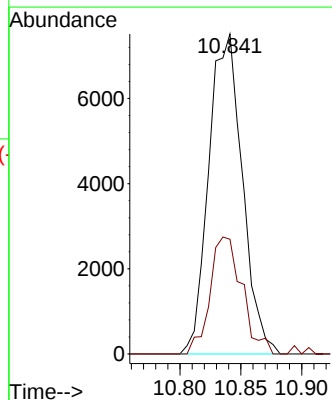
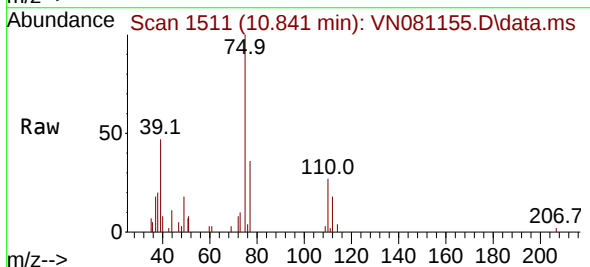
Manual Integrations
APPROVED

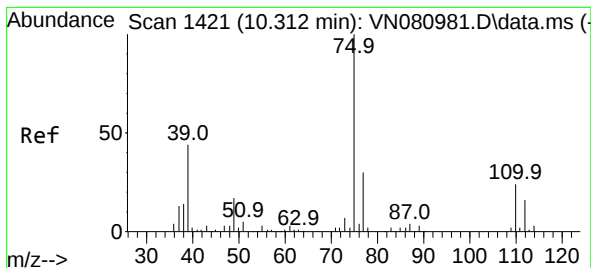
Reviewed By :John Carlone 02/26/2024
Supervised By :Mahesh Dadoda 02/26/2024



#48
t-1,3-Dichloropropene
Concen: 2.399 ug/l
RT: 10.841 min Scan# 1511
Delta R.T. 0.006 min
Lab File: VN081155.D
Acq: 23 Feb 2024 11:51

Tgt Ion: 75 Resp: 14407
Ion Ratio Lower Upper
75 100
77 35.9 23.8 35.6#





#49

cis-1,3-Dichloropropene

Concen: 2.377 ug/l

RT: 10.318 min Scan# 1421

Delta R.T. 0.006 min

Lab File: VN081155.D

Acq: 23 Feb 2024 11:51

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT1-2024

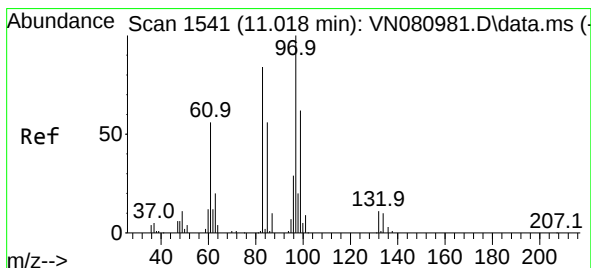
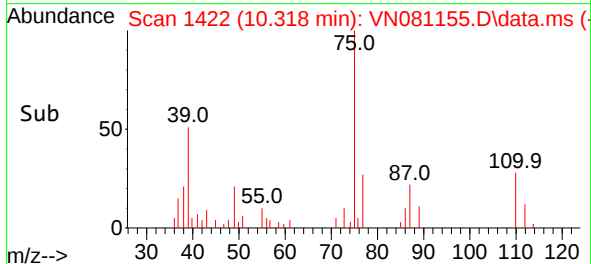
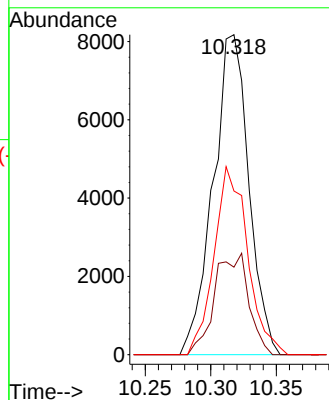
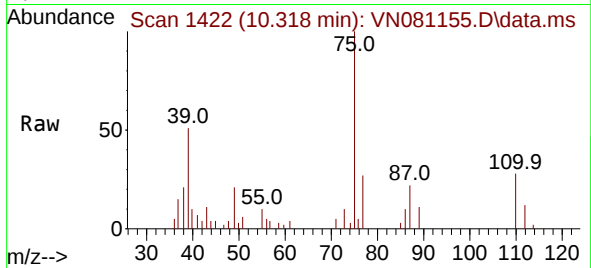
Tgt Ion:	75	Resp:	1546
Ion Ratio	Lower	Upper	
75	100		
77	27.4	24.9	37.3
39	51.1	31.0	46.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/26/2024

Supervised By :Mahesh Dadoda 02/26/2024



#50

1,1,2-Trichloroethane

Concen: 2.502 ug/l

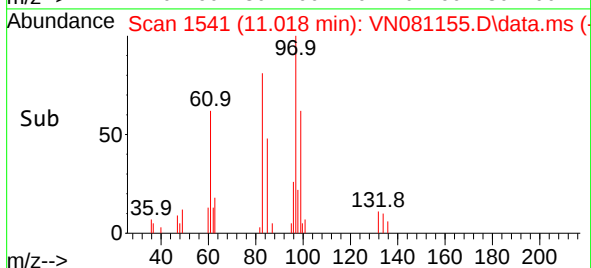
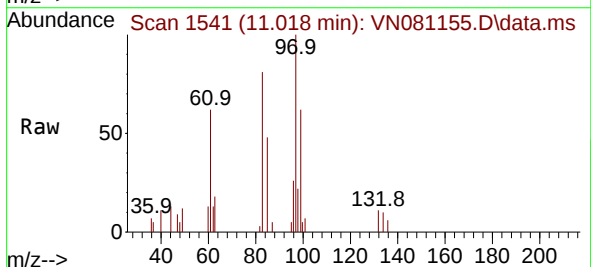
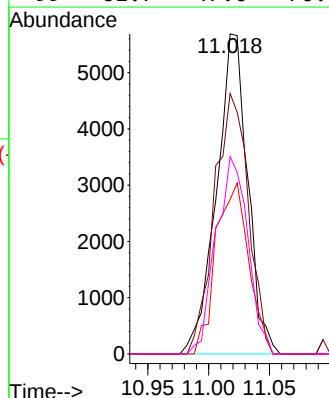
RT: 11.018 min Scan# 1541

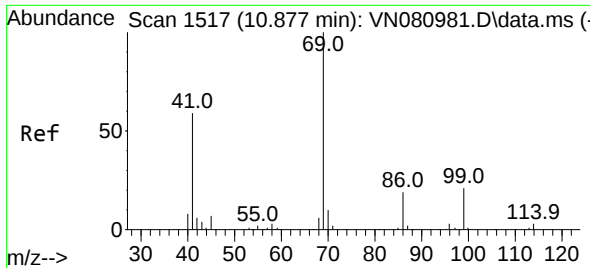
Delta R.T. -0.000 min

Lab File: VN081155.D

Acq: 23 Feb 2024 11:51

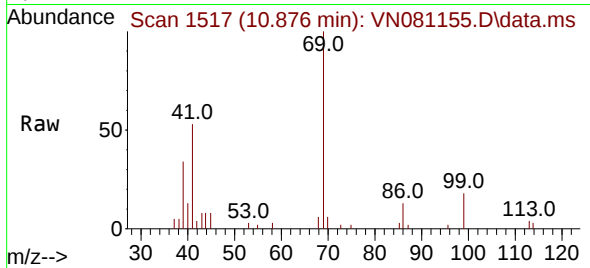
Tgt Ion:	97	Resp:	10135
Ion Ratio	Lower	Upper	
97	100		
83	81.4	68.1	102.1
85	48.3	41.8	62.6
99	61.7	47.0	70.4





#51
Ethyl methacrylate
Concen: 2.231 ug/l
RT: 10.876 min Scan# 1517
Delta R.T. -0.000 min
Lab File: VN081155.D
Acq: 23 Feb 2024 11:51

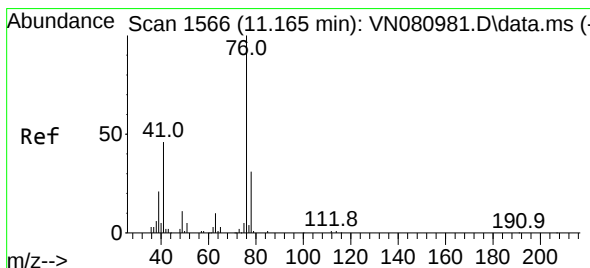
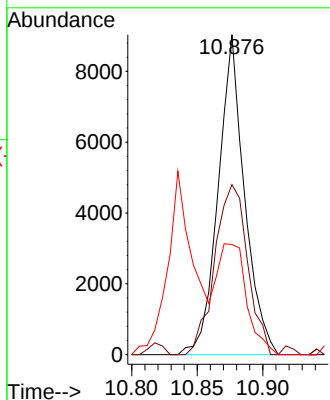
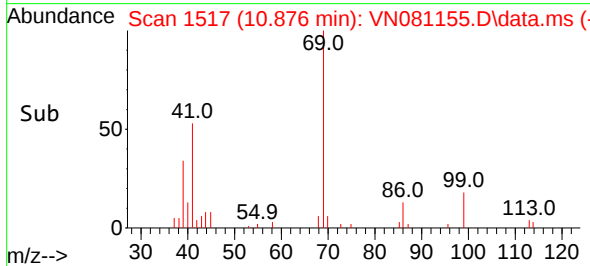
Instrument : MSVOA_N
ClientSampleId : MDL-WATER-03-QT1-2024



Tgt Ion: 69 Resp: 12629
Ion Ratio Lower Upper
69 100
41 53.2 25.5 76.5
39 34.4 16.0 47.9

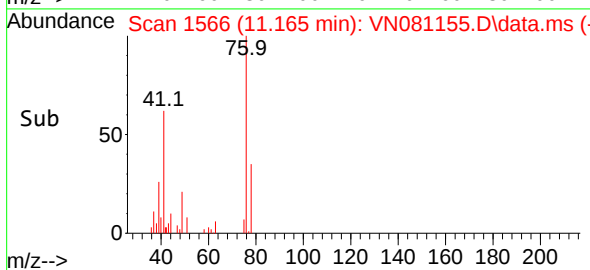
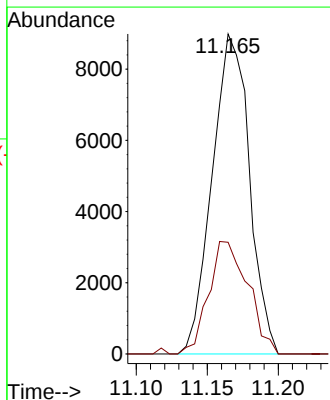
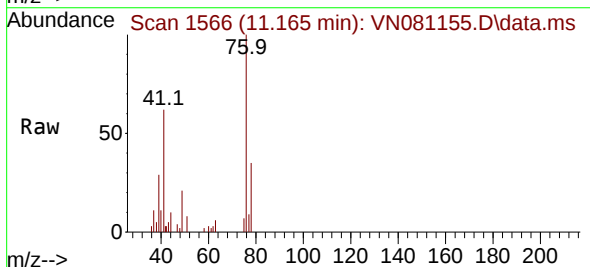
Manual Integrations
APPROVED

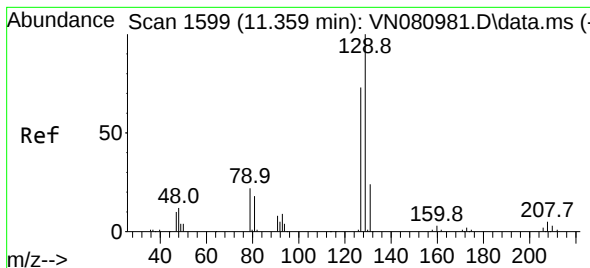
Reviewed By :John Carlone 02/26/2024
Supervised By :Mahesh Dadoda 02/26/2024



#52
1,3-Dichloropropane
Concen: 2.448 ug/l
RT: 11.165 min Scan# 1566
Delta R.T. -0.000 min
Lab File: VN081155.D
Acq: 23 Feb 2024 11:51

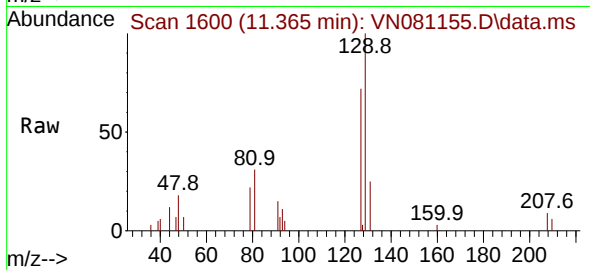
Tgt Ion: 76 Resp: 16377
Ion Ratio Lower Upper
76 100
78 37.1 0.0 65.8





#53
Dibromochloromethane
Concen: 2.219 ug/l
RT: 11.365 min Scan# 1599
Delta R.T. 0.006 min
Lab File: VN081155.D
Acq: 23 Feb 2024 11:51

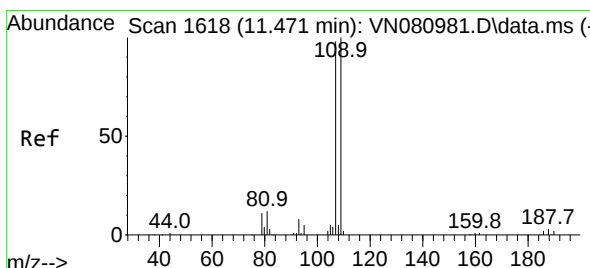
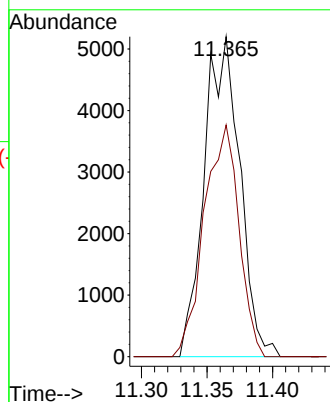
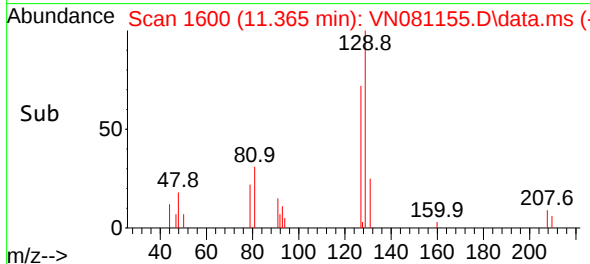
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT1-2024



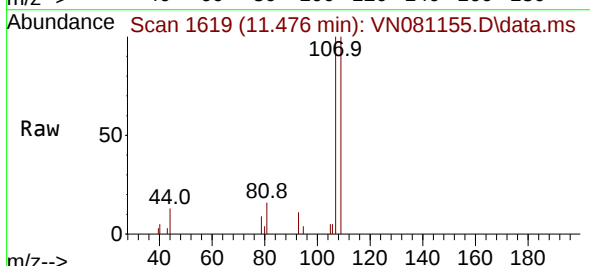
Tgt Ion:129 Resp: 9790
Ion Ratio Lower Upper
129 100
127 70.7 39.4 118.1

Manual Integrations
APPROVED

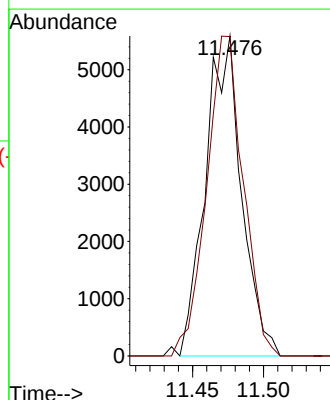
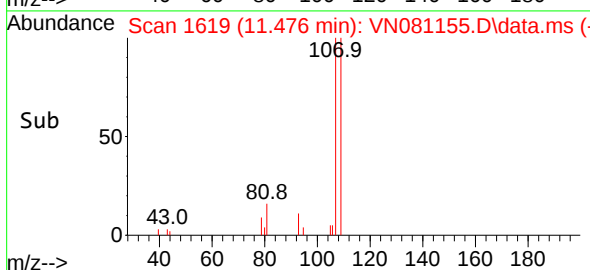
Reviewed By :John Carlone 02/26/2024
Supervised By :Mahesh Dadoda 02/26/2024

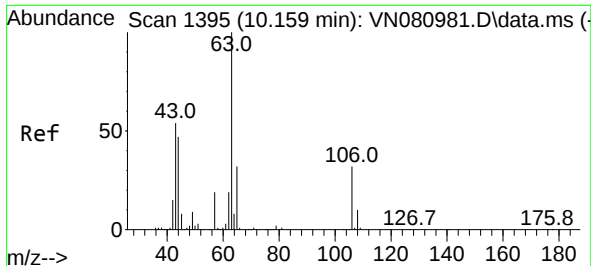


#54
1,2-Dibromoethane
Concen: 2.355 ug/l
RT: 11.476 min Scan# 1619
Delta R.T. 0.006 min
Lab File: VN081155.D
Acq: 23 Feb 2024 11:51



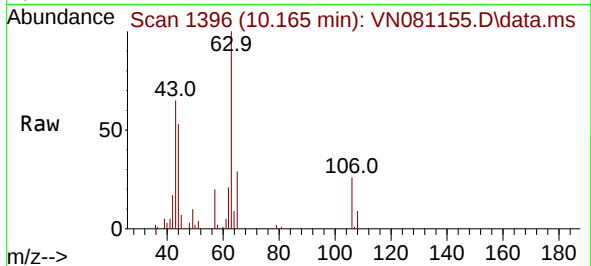
Tgt Ion:107 Resp: 9868
Ion Ratio Lower Upper
107 100
109 101.5 74.7 112.1





#55
2-Chloroethyl vinyl ether
Concen: 11.721 ug/l
RT: 10.165 min Scan# 1395
Delta R.T. 0.006 min
Lab File: VN081155.D
Acq: 23 Feb 2024 11:51

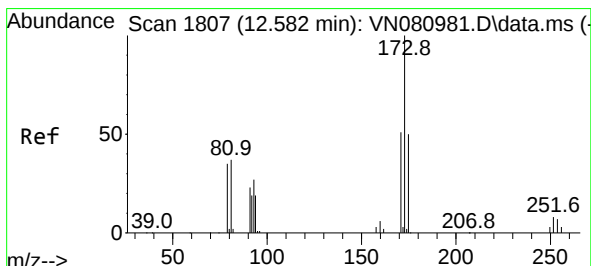
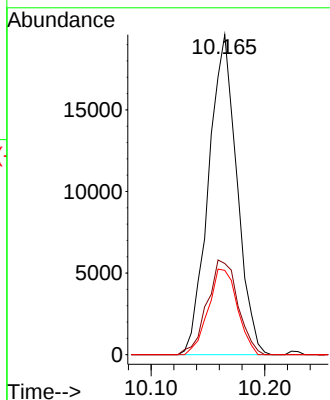
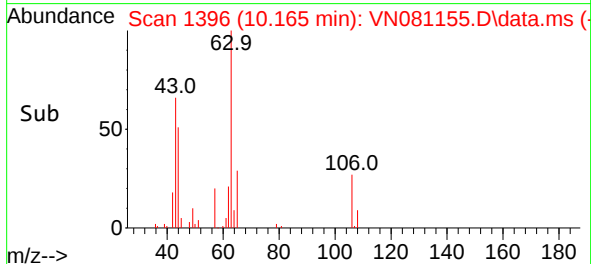
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT1-2024



Tgt Ion: 63 Resp: 3400
Ion Ratio Lower Upper
63 100
65 32.0 26.2 39.2
106 27.4 23.8 35.8

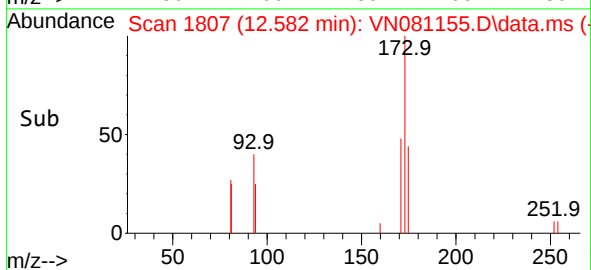
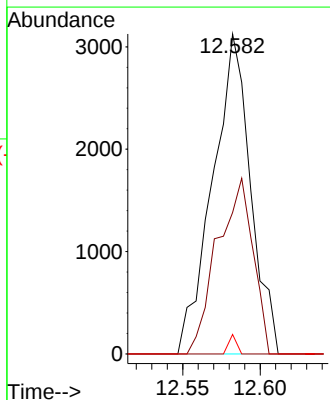
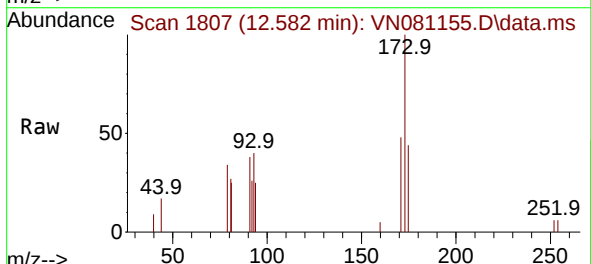
Manual Integrations
APPROVED

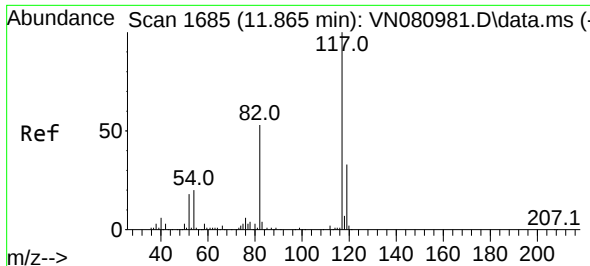
Reviewed By :John Carlone 02/26/2024
Supervised By :Mahesh Dadoda 02/26/2024



#56
Bromoform
Concen: 1.892 ug/l
RT: 12.582 min Scan# 1807
Delta R.T. -0.000 min
Lab File: VN081155.D
Acq: 23 Feb 2024 11:51

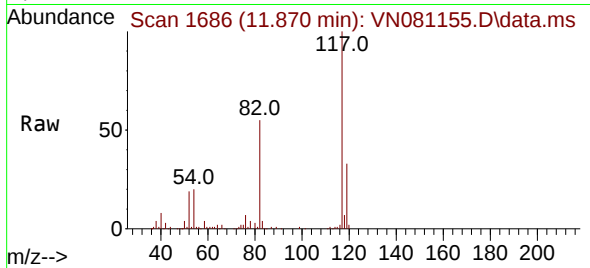
Tgt Ion:173 Resp: 5319
Ion Ratio Lower Upper
173 100
175 51.5 40.0 60.0
254 0.0 8.3 12.5#





#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.870 min Scan# 1686
Delta R.T. 0.006 min
Lab File: VN081155.D
Acq: 23 Feb 2024 11:51

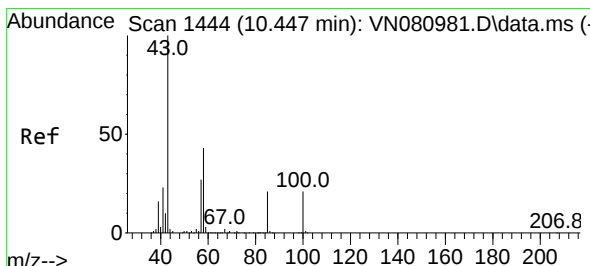
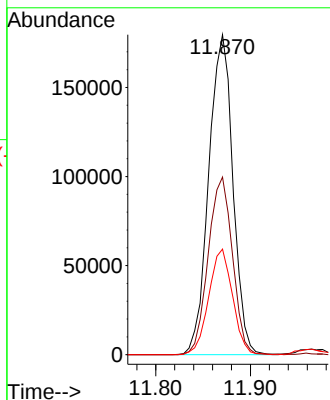
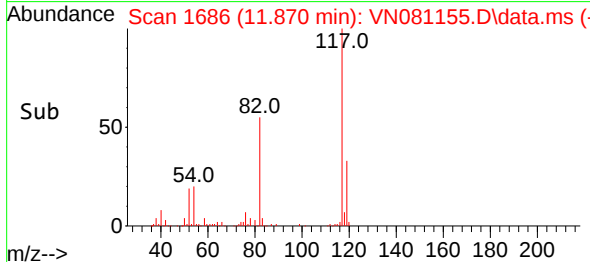
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT1-2024



Tgt Ion: 117 Resp: 31845
Ion Ratio Lower Upper
117 100
82 55.7 46.6 69.8
119 32.5 25.4 38.2

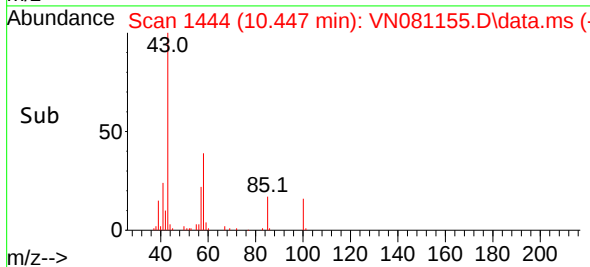
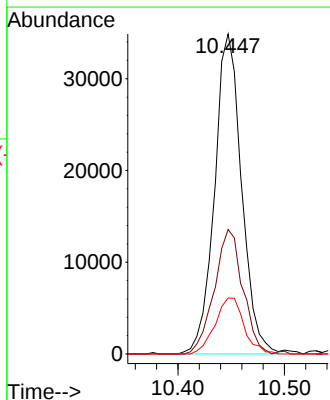
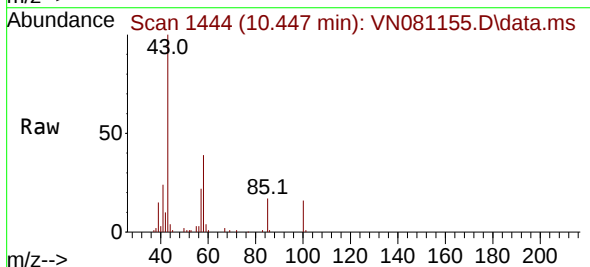
Manual Integrations
APPROVED

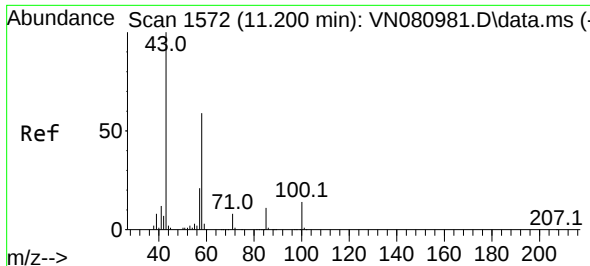
Reviewed By :John Carlone 02/26/2024
Supervised By :Mahesh Dadoda 02/26/2024



#58
4-Methyl-2-Pentanone
Concen: 14.838 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. -0.000 min
Lab File: VN081155.D
Acq: 23 Feb 2024 11:51

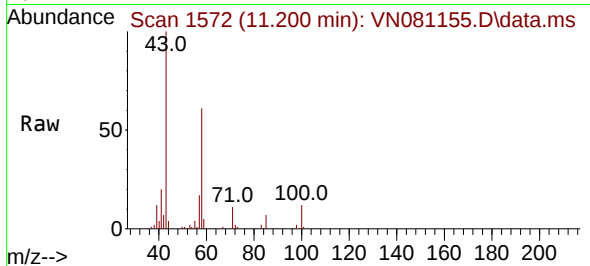
Tgt Ion: 43 Resp: 61348
Ion Ratio Lower Upper
43 100
58 41.0 36.5 54.7
85 18.7 19.5 29.3





#59
2-Hexanone
Concen: 14.275 ug/l
RT: 11.200 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN081155.D
Acq: 23 Feb 2024 11:51

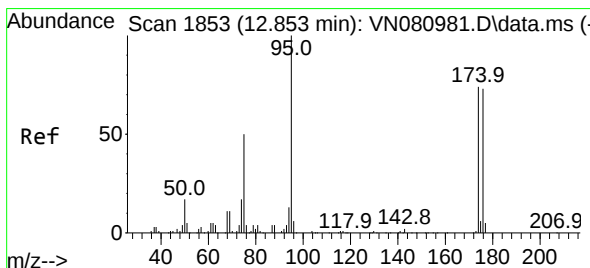
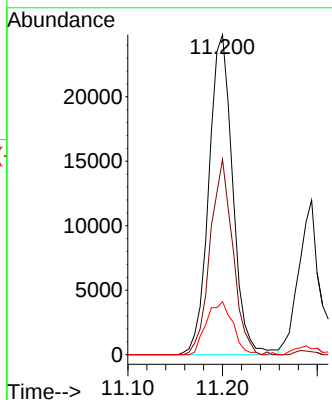
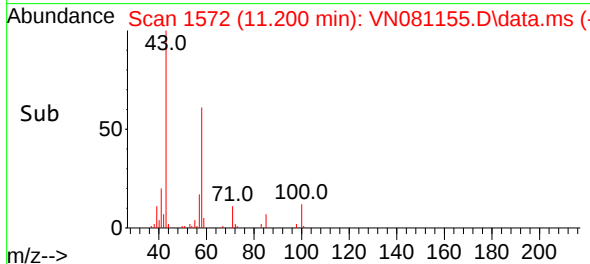
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT1-2024



Tgt Ion: 43 Resp: 43409
Ion Ratio Lower Upper
43 100
58 57.9 50.4 75.6
57 18.4 18.6 27.8

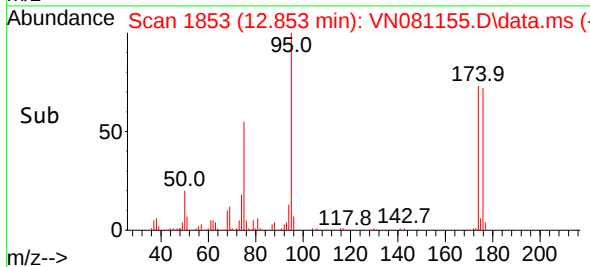
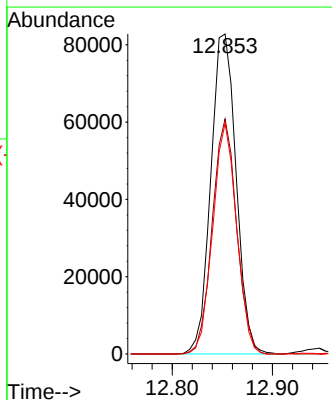
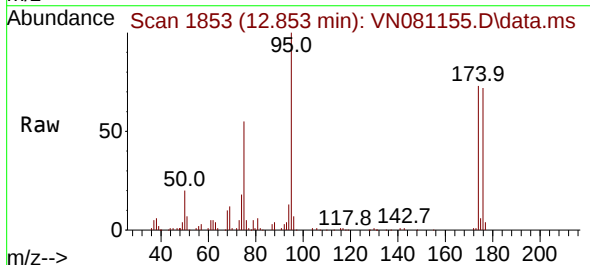
Manual Integrations
APPROVED

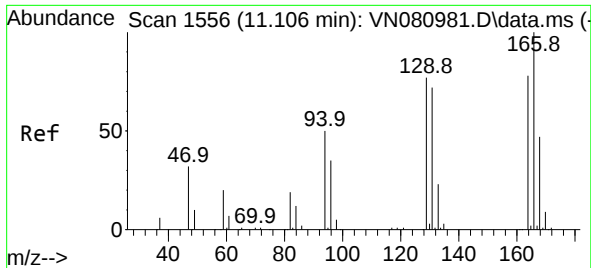
Reviewed By :John Carlone 02/26/2024
Supervised By :Mahesh Dadoda 02/26/2024



#60
4-Bromofluorobenzene
Concen: 29.814 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VN081155.D
Acq: 23 Feb 2024 11:51

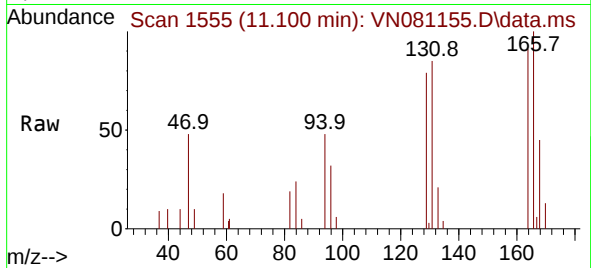
Tgt Ion: 95 Resp: 145151
Ion Ratio Lower Upper
95 100
174 70.5 60.5 90.7
176 67.9 57.8 86.6





#61
Tetrachloroethene
Concen: 2.563 ug/l
RT: 11.100 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN081155.D
Acq: 23 Feb 2024 11:51

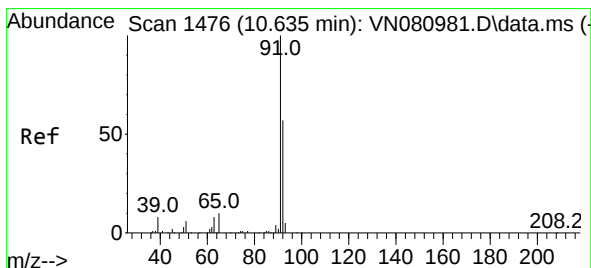
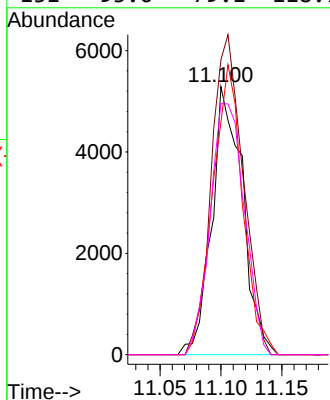
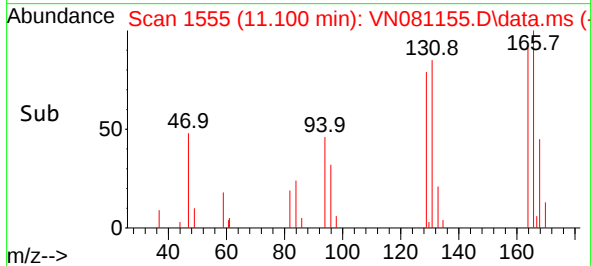
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT1-2024



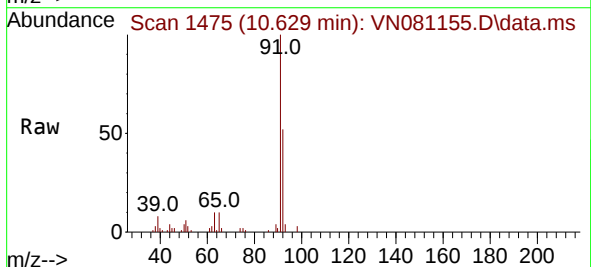
Tgt Ion:164 Resp: 9324
Ion Ratio Lower Upper
164 100
166 110.0 106.7 160.1
129 86.7 85.8 128.6
131 93.6 79.1 118.7

Manual Integrations
APPROVED

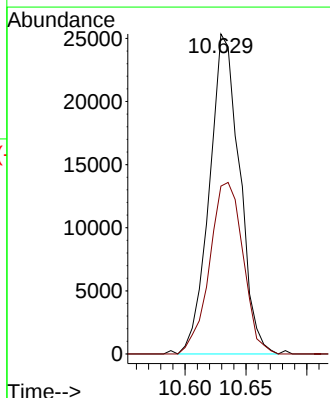
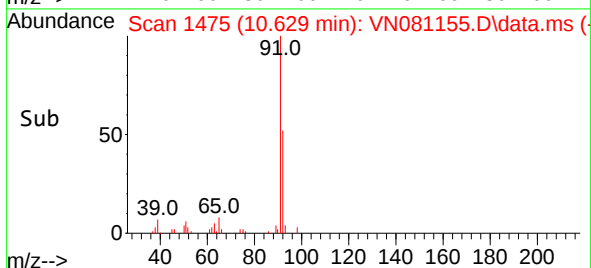
Reviewed By :John Carlone 02/26/2024
Supervised By :Mahesh Dadoda 02/26/2024

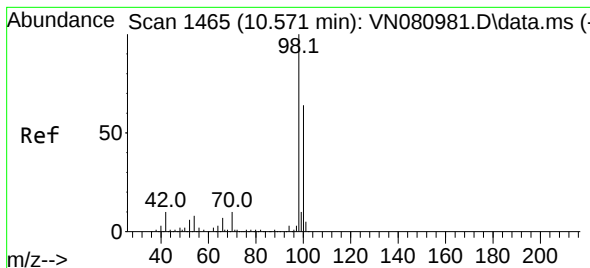


#62
Toluene
Concen: 2.504 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. -0.006 min
Lab File: VN081155.D
Acq: 23 Feb 2024 11:51



Tgt Ion: 91 Resp: 43680
Ion Ratio Lower Upper
91 100
92 59.5 46.5 69.7





#63

Toluene-d8

Concen: 30.375 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. -0.000 min

Lab File: VN081155.D

Acq: 23 Feb 2024 11:51

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT1-2024

Tgt Ion: 98 Resp: 434100

Ion Ratio Lower Upper

98 100

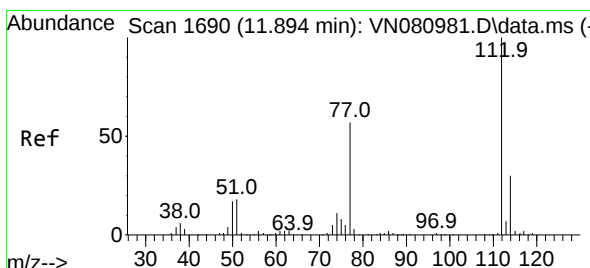
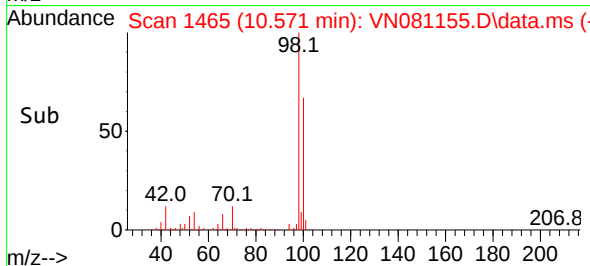
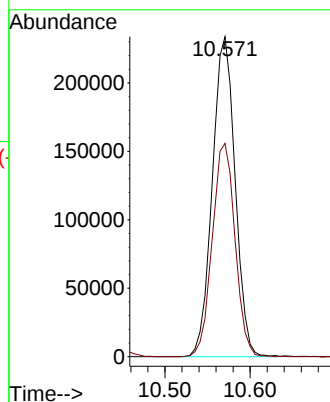
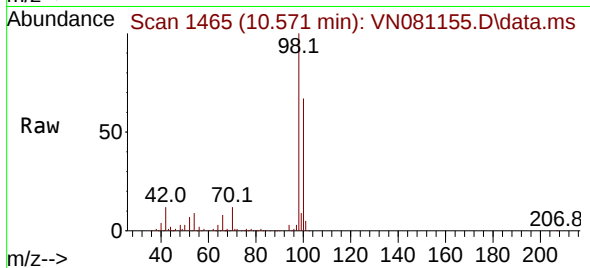
100 66.5 52.7 79.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/26/2024

Supervised By :Mahesh Dadoda 02/26/2024



#64

Chlorobenzene

Concen: 2.299 ug/l

RT: 11.894 min Scan# 1690

Delta R.T. -0.000 min

Lab File: VN081155.D

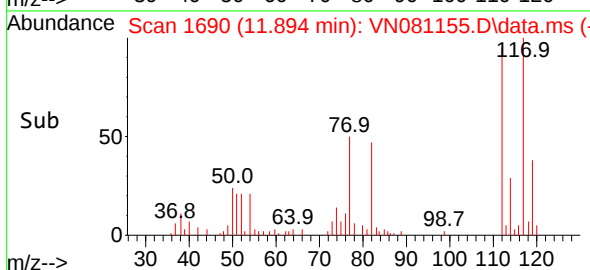
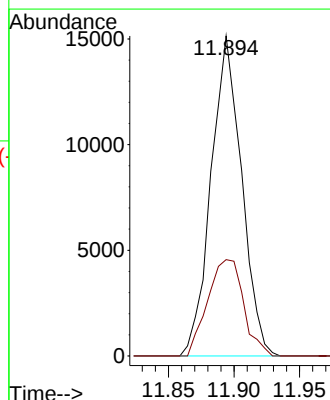
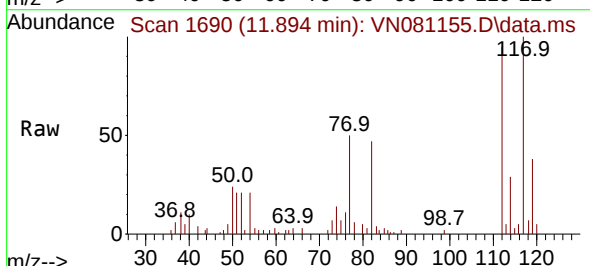
Acq: 23 Feb 2024 11:51

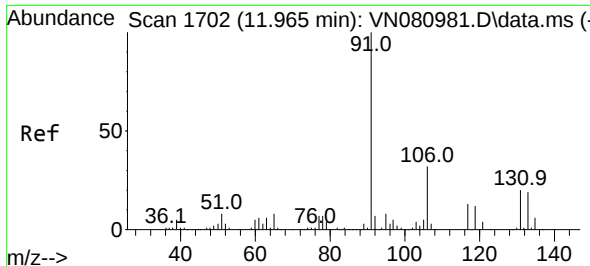
Tgt Ion:112 Resp: 24563

Ion Ratio Lower Upper

112 100

114 30.1 26.6 39.8





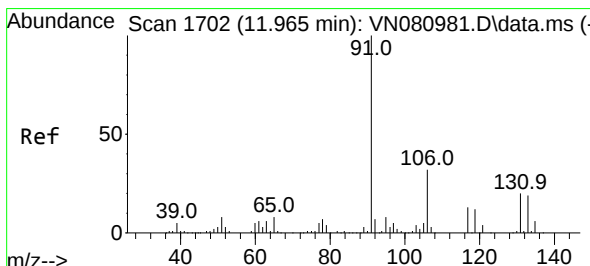
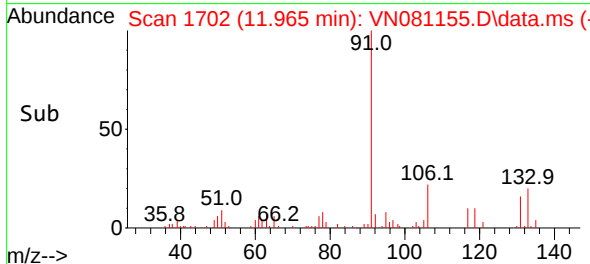
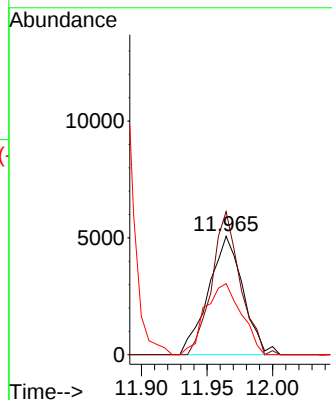
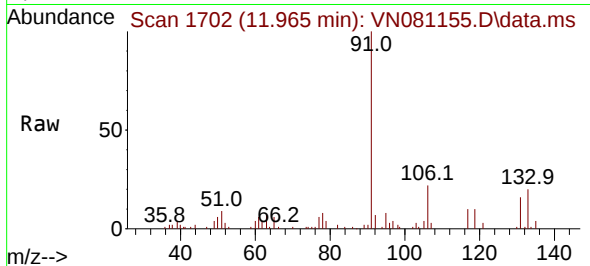
#65
1,1,1,2-Tetrachloroethane
Concen: 2.347 ug/l
RT: 11.965 min Scan# 1702
Delta R.T. -0.000 min
Lab File: VN081155.D
Acq: 23 Feb 2024 11:51

Instrument : MSVOA_N
ClientSampleId : MDL-WATER-03-QT1-2024

Tgt Ion:131 Resp: 9300
Ion Ratio Lower Upper
131 100
133 98.3 0.0 188.0
119 63.0 0.0 122.8

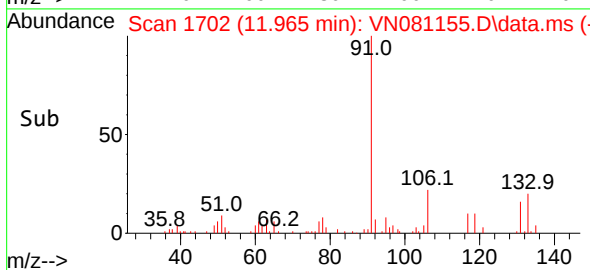
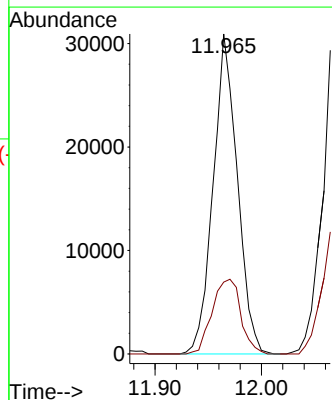
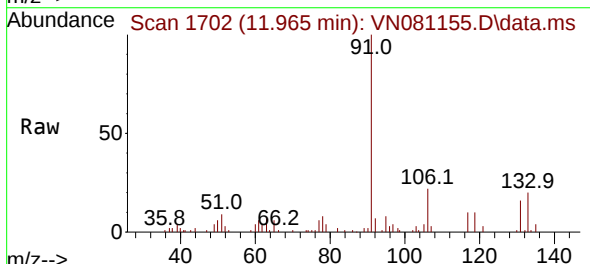
Manual Integrations
APPROVED

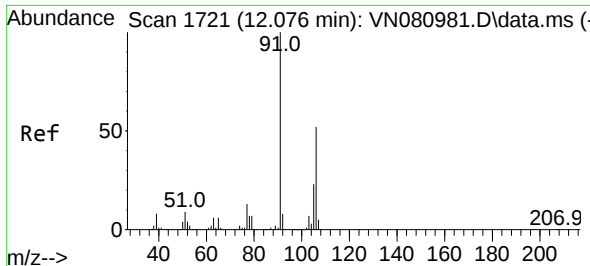
Reviewed By :John Carlone 02/26/2024
Supervised By :Mahesh Dadoda 02/26/2024



#66
Ethyl Benzene
Concen: 2.659 ug/l
RT: 11.965 min Scan# 1702
Delta R.T. -0.000 min
Lab File: VN081155.D
Acq: 23 Feb 2024 11:51

Tgt Ion: 91 Resp: 48768
Ion Ratio Lower Upper
91 100
106 22.5 24.4 36.6#





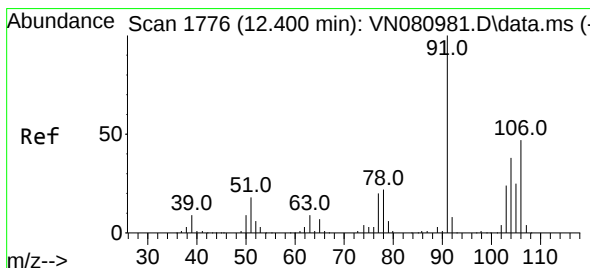
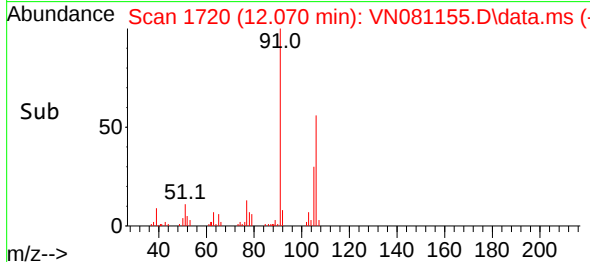
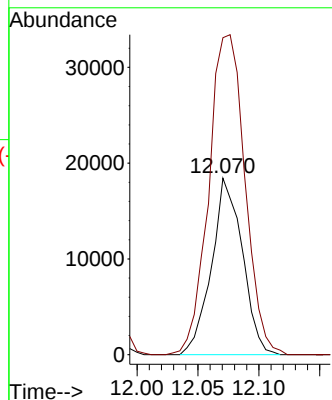
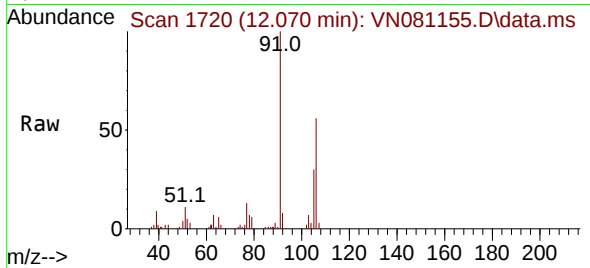
#67
m/p-Xylenes
Concen: 4.508 ug/l
RT: 12.070 min Scan# 1721
Delta R.T. -0.006 min
Lab File: VN081155.D
Acq: 23 Feb 2024 11:51

Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT1-2024

Tgt Ion:106 Resp: 3247
Ion Ratio Lower Upper
106 100
91 212.3 166.6 249.8

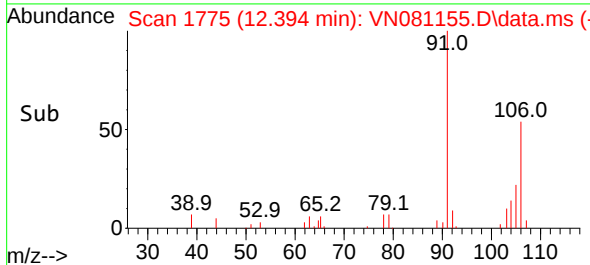
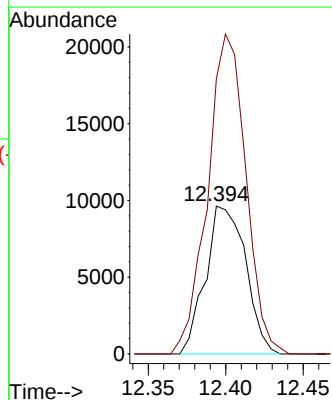
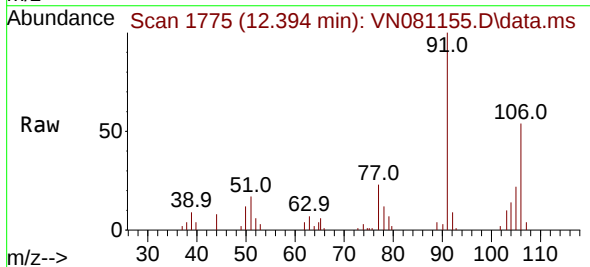
Manual Integrations
APPROVED

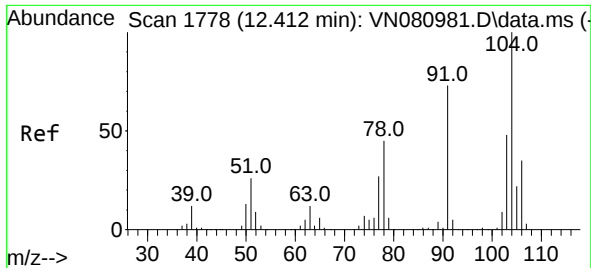
Reviewed By :John Carlone 02/26/2024
Supervised By :Mahesh Dadoda 02/26/2024



#68
o-Xylene
Concen: 2.457 ug/l
RT: 12.394 min Scan# 1775
Delta R.T. -0.006 min
Lab File: VN081155.D
Acq: 23 Feb 2024 11:51

Tgt Ion:106 Resp: 17341
Ion Ratio Lower Upper
106 100
91 206.2 110.0 330.0





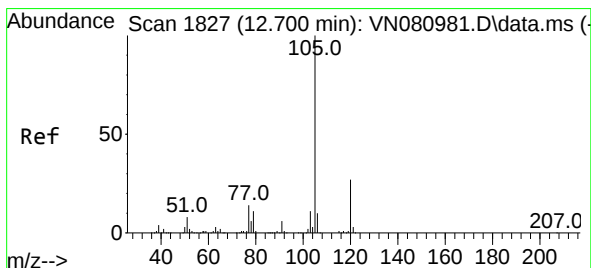
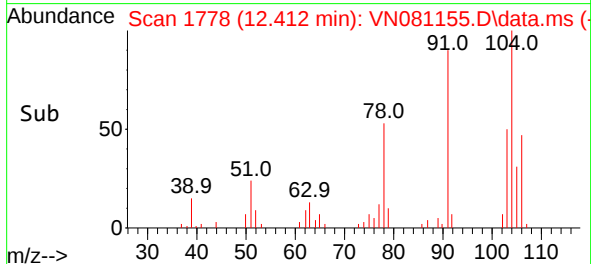
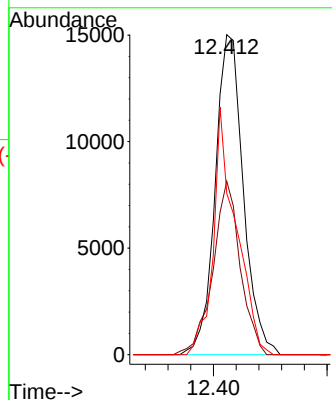
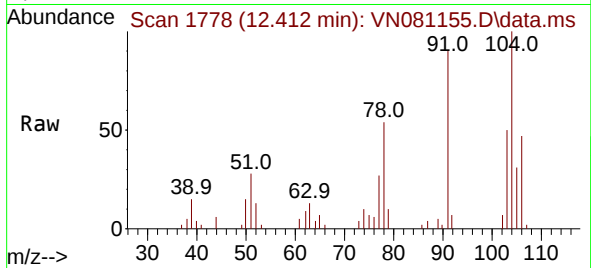
#69
Styrene
Concen: 2.227 ug/l
RT: 12.412 min Scan# 1778
Delta R.T. -0.000 min
Lab File: VN081155.D
Acq: 23 Feb 2024 11:51

Instrument : MSVOA_N
ClientSampleId : MDL-WATER-03-QT1-2024

Tgt Ion:104 Resp: 2588
Ion Ratio Lower Upper
104 100
78 52.7 42.6 64.0
103 62.2 43.7 65.5

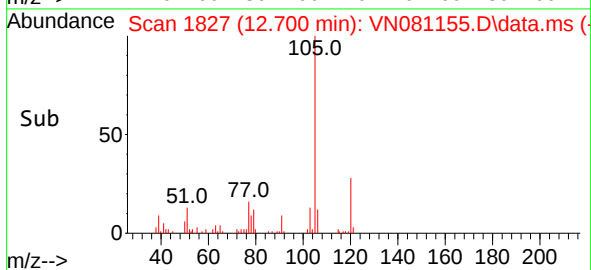
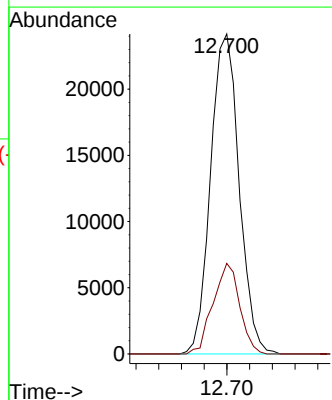
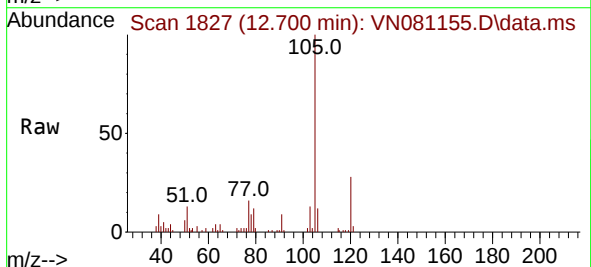
Manual Integrations
APPROVED

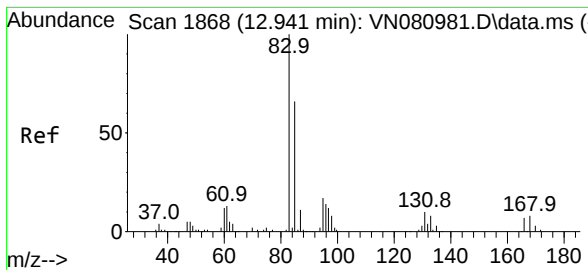
Reviewed By :John Carlone 02/26/2024
Supervised By :Mahesh Dadoda 02/26/2024



#70
Isopropylbenzene
Concen: 2.451 ug/l
RT: 12.700 min Scan# 1827
Delta R.T. -0.000 min
Lab File: VN081155.D
Acq: 23 Feb 2024 11:51

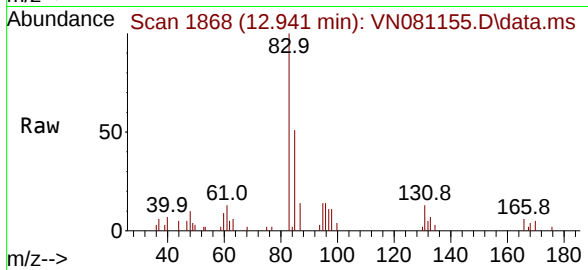
Tgt Ion:105 Resp: 42167
Ion Ratio Lower Upper
105 100
120 26.4 17.8 33.1





#71
1,1,2,2-Tetrachloroethane
Concen: 2.588 ug/l
RT: 12.941 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VN081155.D
Acq: 23 Feb 2024 11:51

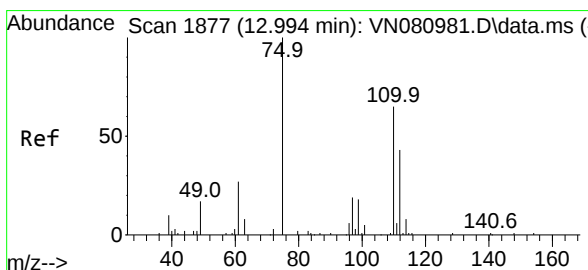
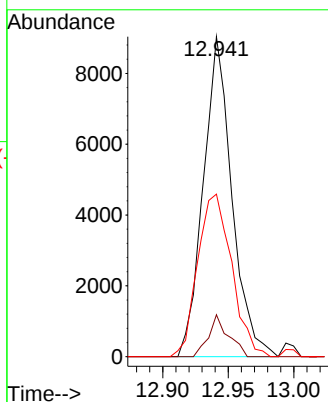
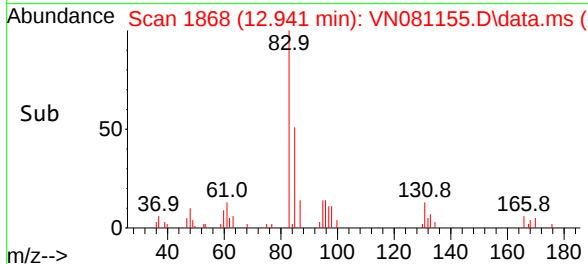
Instrument : MSVOA_N
ClientSampleId : MDL-WATER-03-QT1-2024



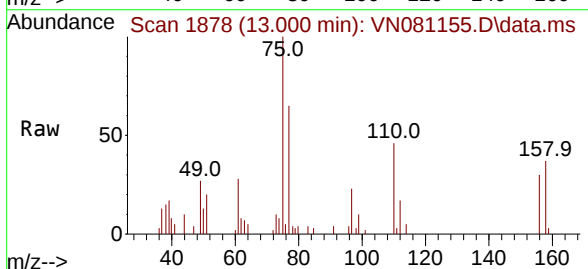
Tgt Ion: 83 Resp: 13730
Ion Ratio Lower Upper
83 100
131 9.1 5.2 15.6
85 60.3 32.3 96.8

Manual Integrations
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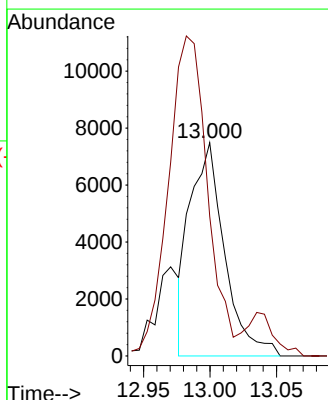
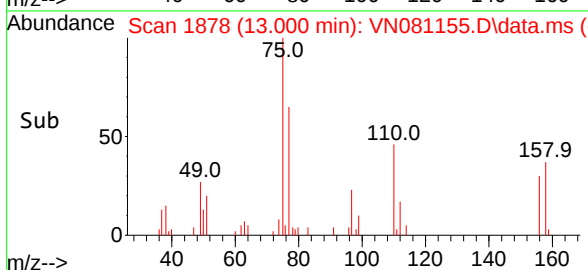
Reviewed By :John Carlone 02/26/2024
Supervised By :Mahesh Dadoda 02/26/2024

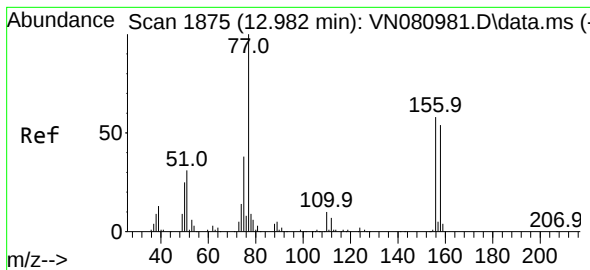


#72
1,2,3-Trichloropropane
Concen: 3.274 ug/l m
RT: 13.000 min Scan# 1878
Delta R.T. 0.006 min
Lab File: VN081155.D
Acq: 23 Feb 2024 11:51



Tgt Ion: 75 Resp: 13597
Ion Ratio Lower Upper
75 100
77 168.4 0.0 367.6





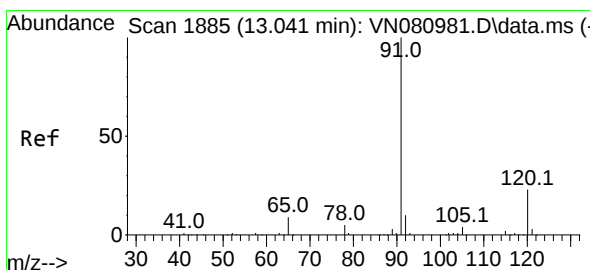
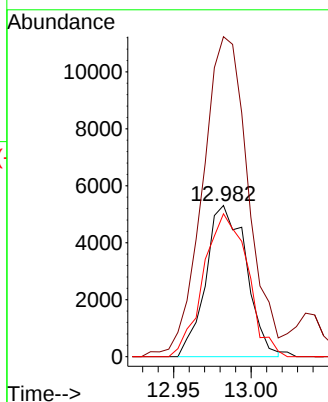
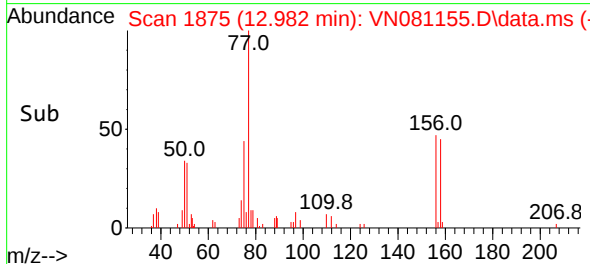
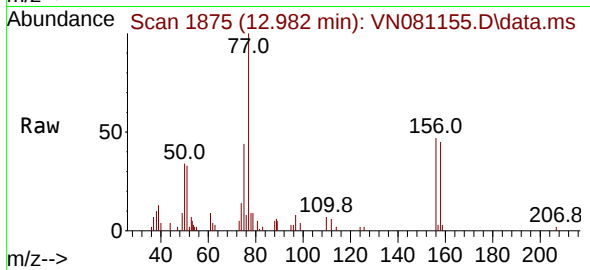
#73
Bromobenzene
Concen: 2.254 ug/l
RT: 12.982 min Scan# 1875
Delta R.T. -0.000 min
Lab File: VN081155.D
Acq: 23 Feb 2024 11:51

Instrument : MSVOA_N
ClientSampleId : MDL-WATER-03-QT1-2024

Tgt Ion:156 Resp: 964
Ion Ratio Lower Upper
156 100
77 237.5 0.0 437.6
158 102.9 0.0 203.8

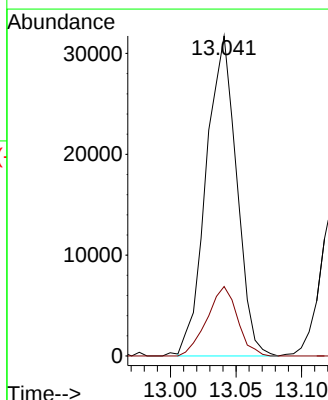
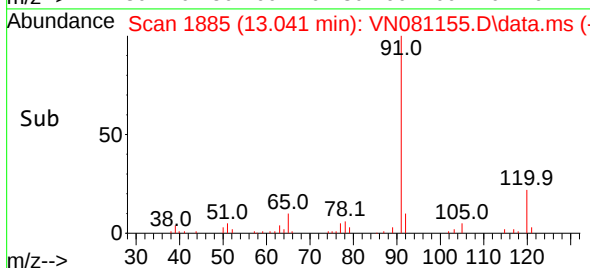
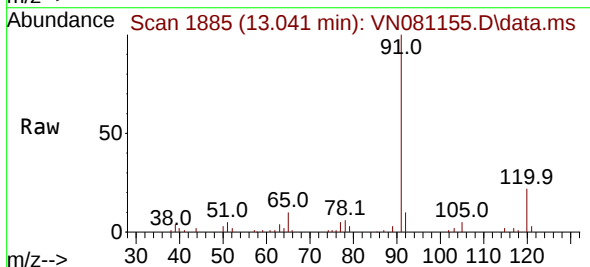
Manual Integrations
APPROVED

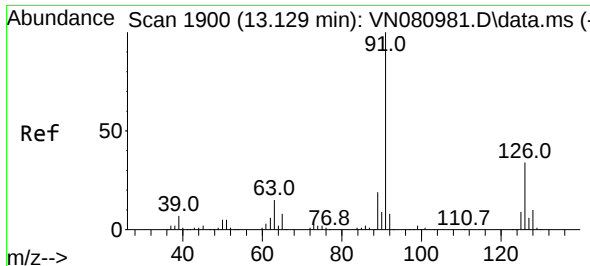
Reviewed By :John Carlone 02/26/2024
Supervised By :Mahesh Dadoda 02/26/2024



#74
n-propylbenzene
Concen: 2.623 ug/l
RT: 13.041 min Scan# 1885
Delta R.T. -0.000 min
Lab File: VN081155.D
Acq: 23 Feb 2024 11:51

Tgt Ion: 91 Resp: 51292
Ion Ratio Lower Upper
91 100
120 21.7 0.0 43.8





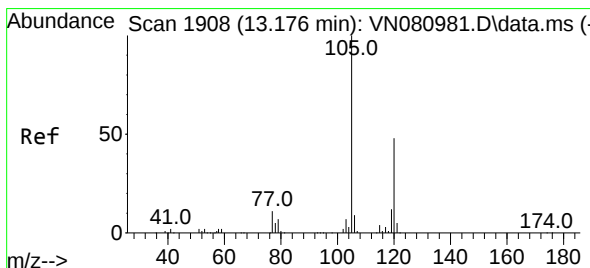
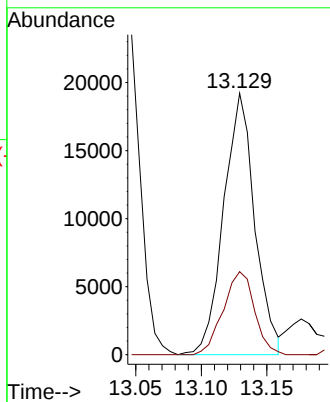
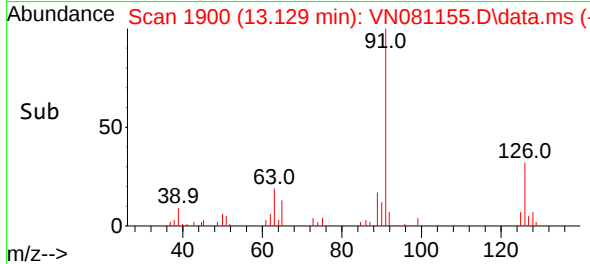
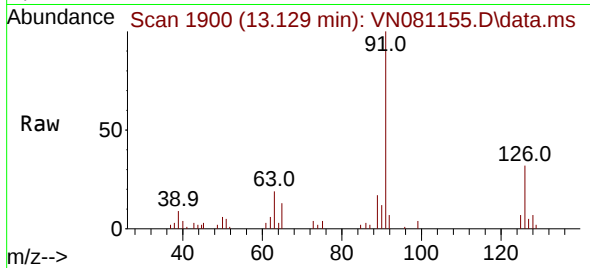
#75
2-Chlorotoluene
Concen: 2.614 ug/l
RT: 13.129 min Scan# 1900
Delta R.T. -0.000 min
Lab File: VN081155.D
Acq: 23 Feb 2024 11:51

Instrument : MSVOA_N
ClientSampleId : MDL-WATER-03-QT1-2024

Tgt Ion: 91 Resp: 3172
Ion Ratio Lower Upper
91 100
126 31.9 0.0 61.2

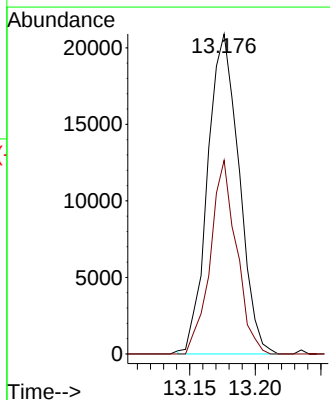
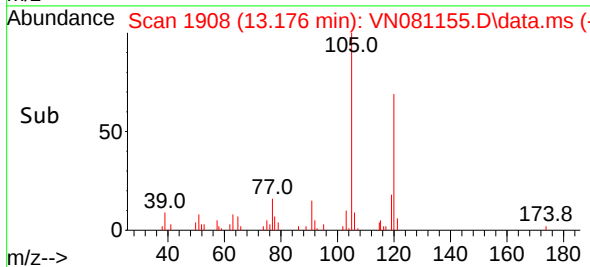
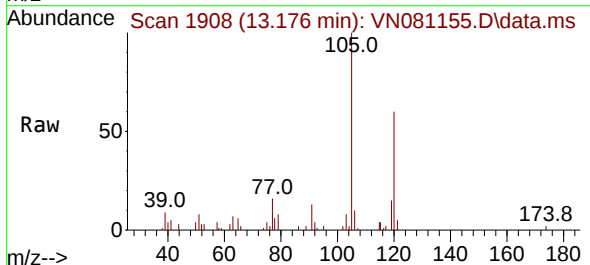
Manual Integrations
APPROVED

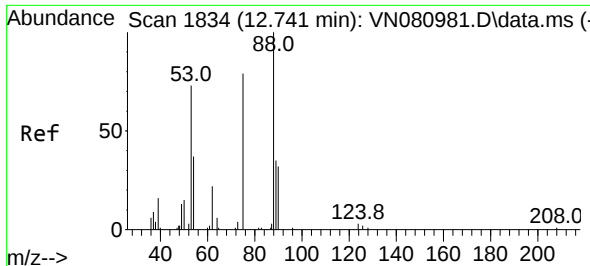
Reviewed By :John Carlone 02/26/2024
Supervised By :Mahesh Dadoda 02/26/2024



#76
1,3,5-Trimethylbenzene
Concen: 2.475 ug/l
RT: 13.176 min Scan# 1908
Delta R.T. -0.000 min
Lab File: VN081155.D
Acq: 23 Feb 2024 11:51

Tgt Ion:105 Resp: 34832
Ion Ratio Lower Upper
105 100
120 50.5 0.0 95.8





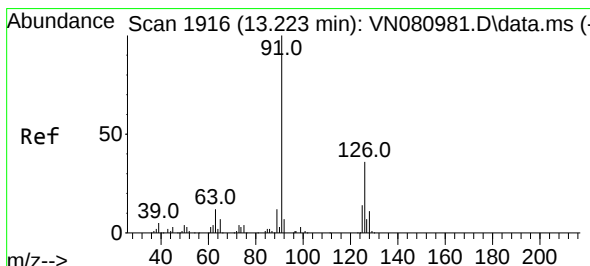
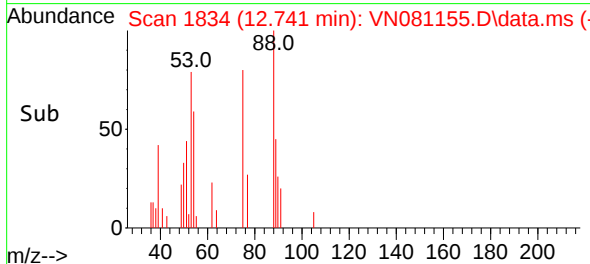
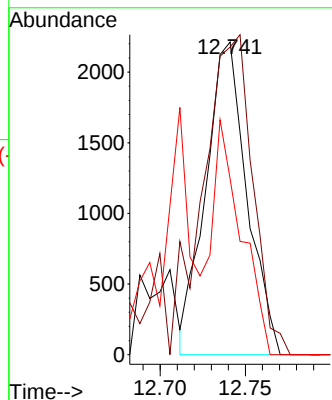
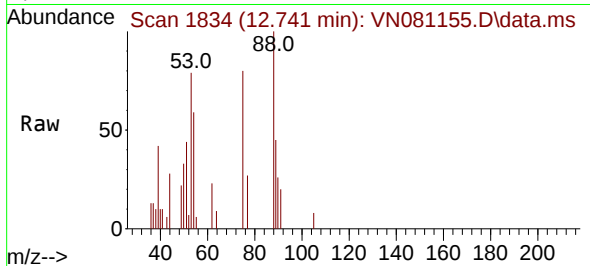
#77
t-1,4-Dichloro-2-butene
Concen: 2.372 ug/l
RT: 12.741 min Scan# 1834
Delta R.T. -0.000 min
Lab File: VN081155.D
Acq: 23 Feb 2024 11:51

Instrument : MSVOA_N
ClientSampleId : MDL-WATER-03-QT1-2024

Tgt Ion: 75 Resp: 372
Ion Ratio Lower Upper
75 100
53 91.6 45.9 137.7
89 56.3 25.9 77.7

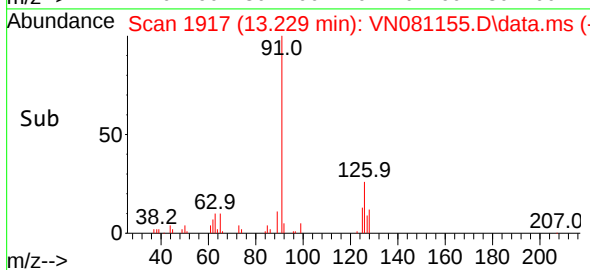
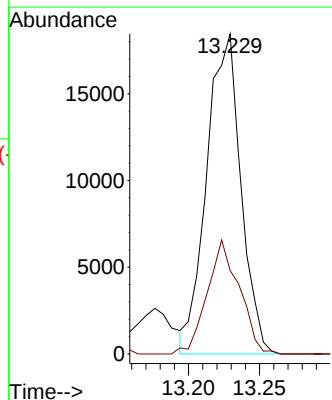
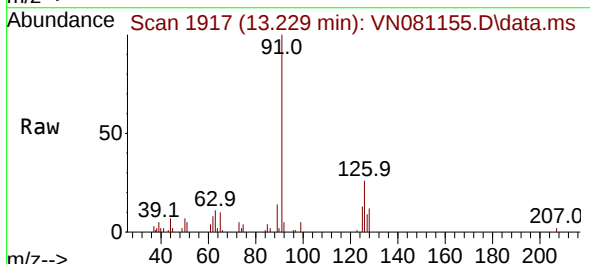
Manual Integrations
APPROVED

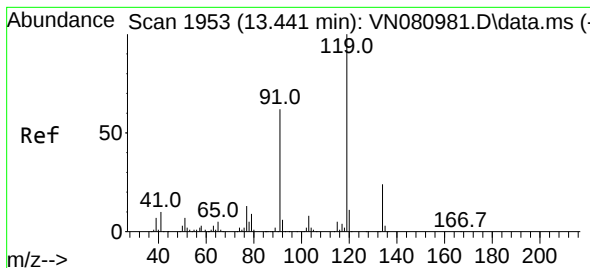
Reviewed By :John Carlone 02/26/2024
Supervised By :Mahesh Dadoda 02/26/2024



#78
4-Chlorotoluene
Concen: 2.537 ug/l
RT: 13.229 min Scan# 1917
Delta R.T. 0.006 min
Lab File: VN081155.D
Acq: 23 Feb 2024 11:51

Tgt Ion: 91 Resp: 30846
Ion Ratio Lower Upper
91 100
126 33.5 0.0 62.8





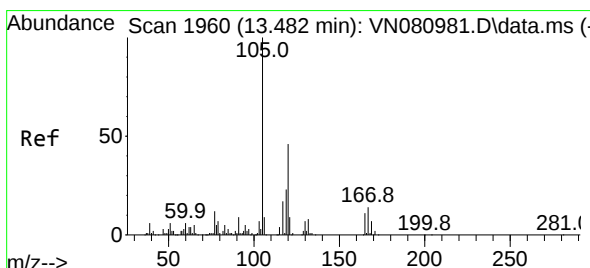
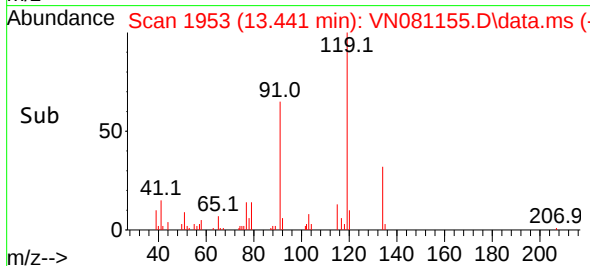
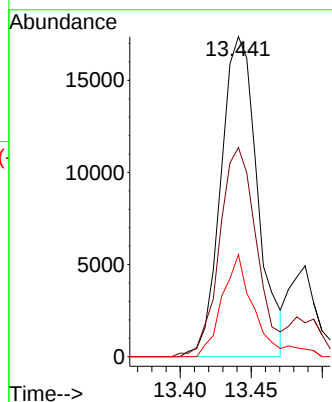
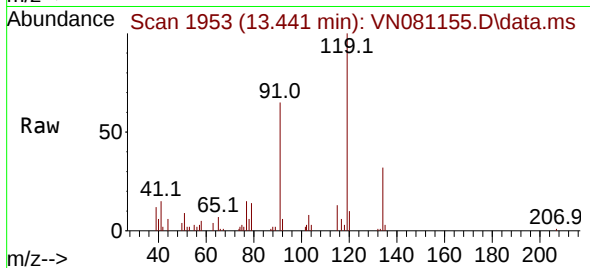
#79
tert-butylbenzene
Concen: 2.670 ug/l
RT: 13.441 min Scan# 1953
Delta R.T. -0.000 min
Lab File: VN081155.D
Acq: 23 Feb 2024 11:51

Instrument : MSVOA_N
ClientSampleId : MDL-WATER-03-QT1-2024

Tgt Ion:119 Resp: 3119
Ion Ratio Lower Upper
119 100
91 66.1 0.0 138.8
134 26.4 0.0 48.6

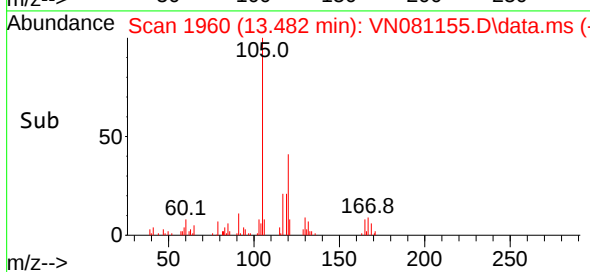
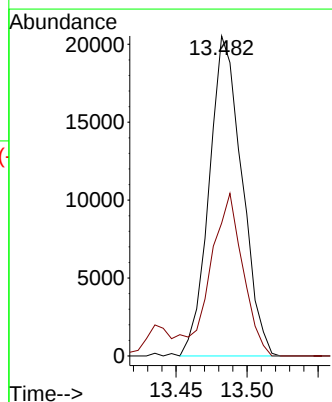
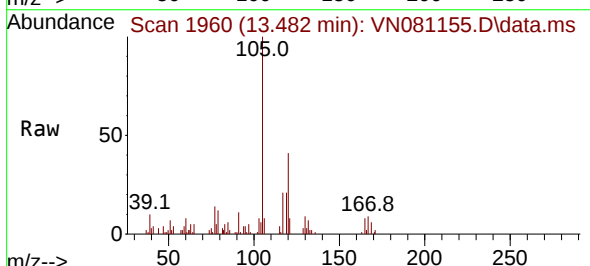
Manual Integrations
APPROVED

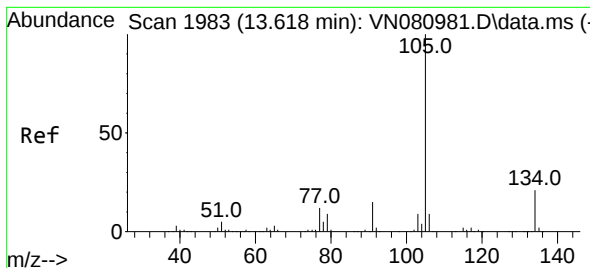
Reviewed By :John Carlone 02/26/2024
Supervised By :Mahesh Dadoda 02/26/2024



#80
1,2,4-Trimethylbenzene
Concen: 2.349 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. -0.000 min
Lab File: VN081155.D
Acq: 23 Feb 2024 11:51

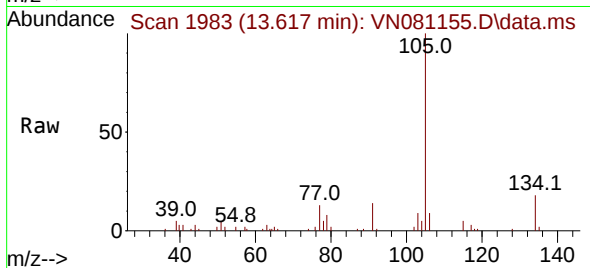
Tgt Ion:105 Resp: 32947
Ion Ratio Lower Upper
105 100
120 48.7 0.0 86.8





#81
 sec-Butylbenzene
 Concen: 2.568 ug/l
 RT: 13.617 min Scan# 1983
 Delta R.T. -0.000 min
 Lab File: VN081155.D
 Acq: 23 Feb 2024 11:51

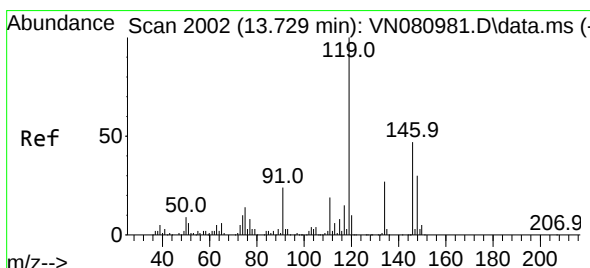
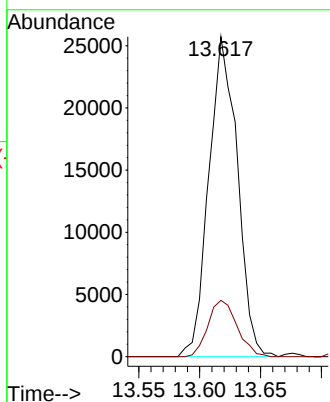
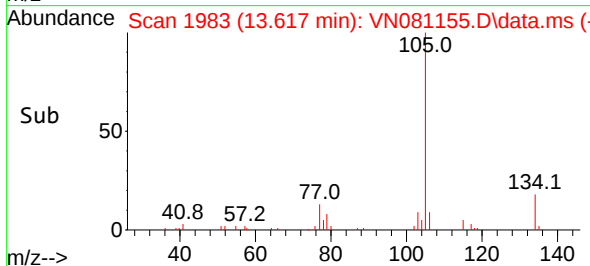
Instrument : MSVOA_N
 ClientSampleId :
 MDL-WATER-03-QT1-2024



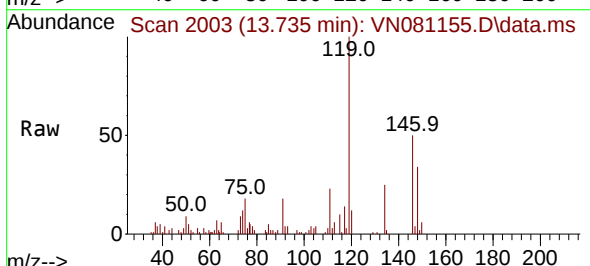
Tgt Ion:105 Resp: 42020
 Ion Ratio Lower Upper
 105 100
 134 18.0 0.0 39.0

Manual Integrations
 APPROVED

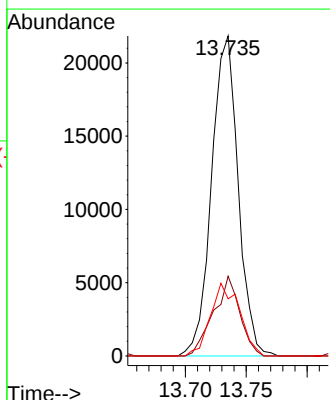
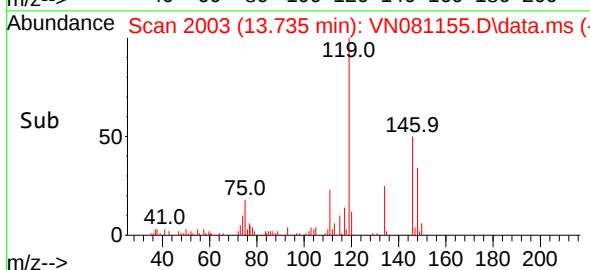
Reviewed By :John Carlone 02/26/2024
 Supervised By :Mahesh Dadoda 02/26/2024

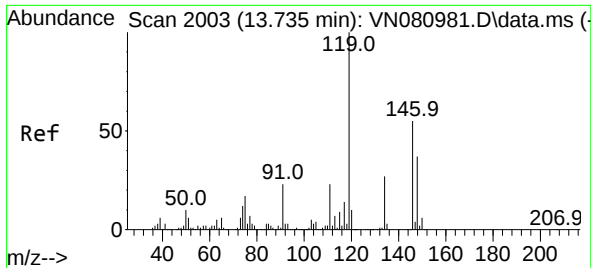


#82
 p-Isopropyltoluene
 Concen: 2.416 ug/l
 RT: 13.735 min Scan# 2003
 Delta R.T. 0.006 min
 Lab File: VN081155.D
 Acq: 23 Feb 2024 11:51



Tgt Ion:119 Resp: 33192
 Ion Ratio Lower Upper
 119 100
 134 24.6 0.0 49.2
 91 24.9 0.0 48.8





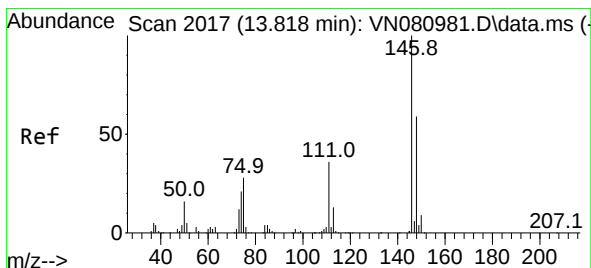
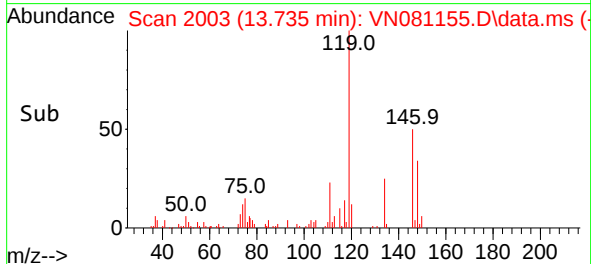
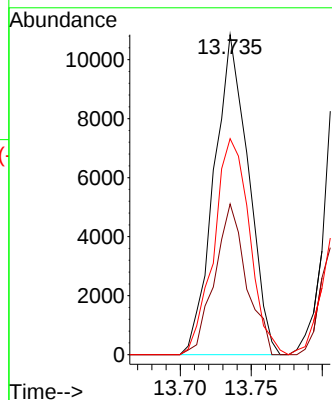
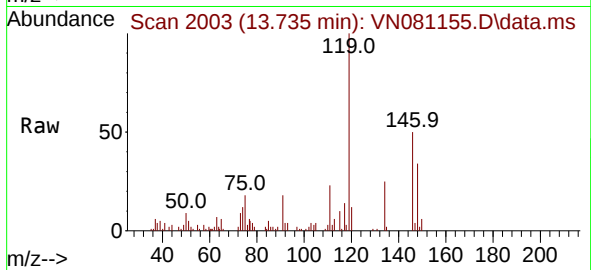
#83
1,3-Dichlorobenzene
Concen: 2.367 ug/l
RT: 13.735 min Scan# 2003
Delta R.T. -0.000 min
Lab File: VN081155.D
Acq: 23 Feb 2024 11:51

Instrument : MSVOA_N
ClientSampleId : MDL-WATER-03-QT1-2024

Tgt Ion:146 Resp: 1821
Ion Ratio Lower Upper
146 100
111 43.7 22.4 67.0
148 70.2 32.1 96.5

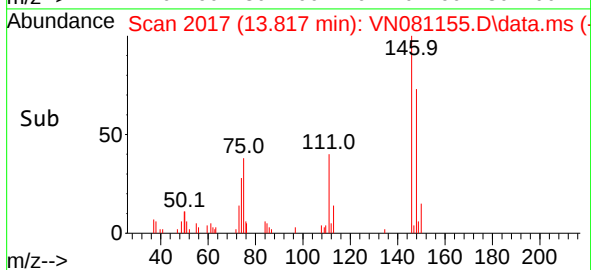
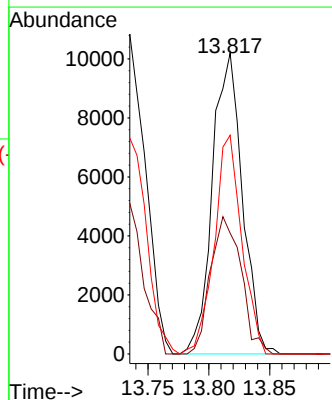
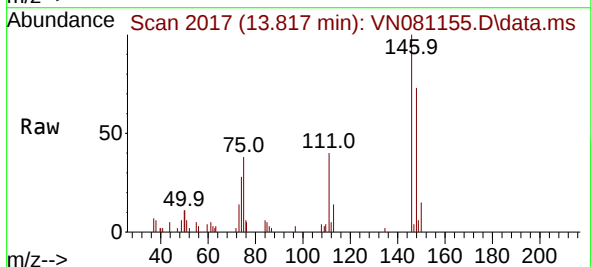
Manual Integrations
APPROVED

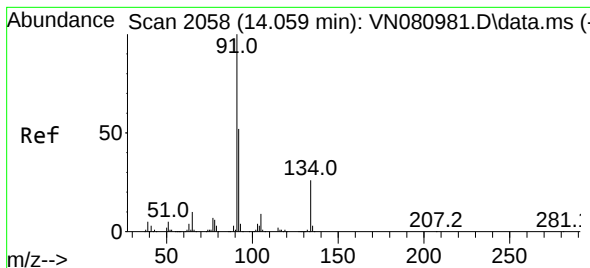
Reviewed By :John Carlone 02/26/2024
Supervised By :Mahesh Dadoda 02/26/2024



#84
1,4-Dichlorobenzene
Concen: 2.260 ug/l
RT: 13.817 min Scan# 2017
Delta R.T. -0.000 min
Lab File: VN081155.D
Acq: 23 Feb 2024 11:51

Tgt Ion:146 Resp: 17454
Ion Ratio Lower Upper
146 100
111 45.4 21.3 63.9
148 67.0 31.9 95.5





#85

n-Butylbenzene

Concen: 2.463 ug/l

RT: 14.059 min Scan# 2058

Delta R.T. -0.000 min

Lab File: VN081155.D

Acq: 23 Feb 2024 11:51

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT1-2024

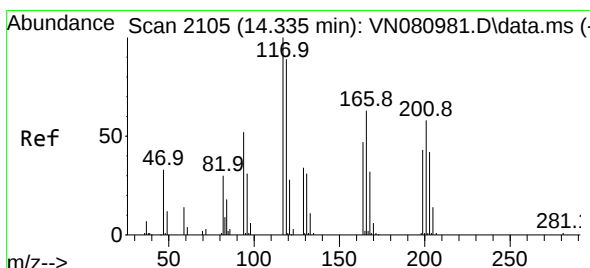
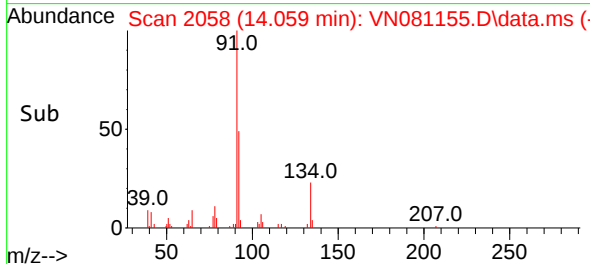
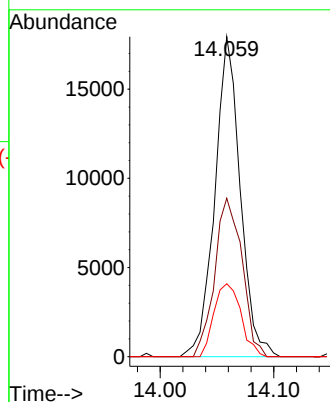
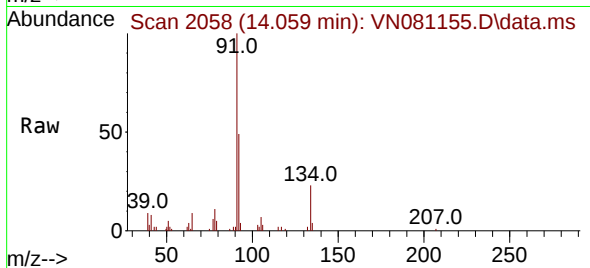
Tgt Ion:	91	Resp:	27910
Ion Ratio	Lower	Upper	
91	100		
92	53.2	0.0	105.0
134	24.2	0.0	51.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/26/2024

Supervised By :Mahesh Dadoda 02/26/2024



#86

Hexachloroethane

Concen: 2.302 ug/l

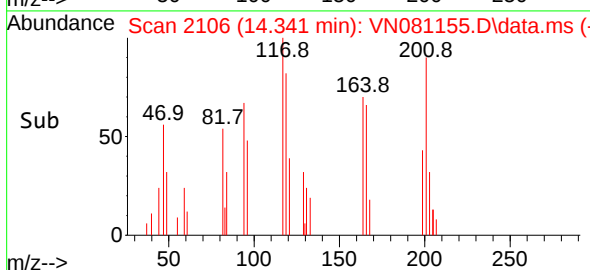
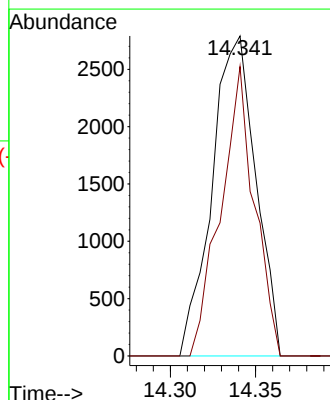
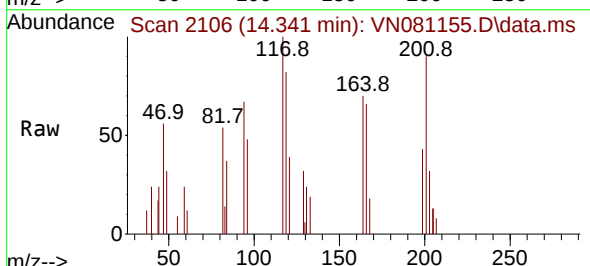
RT: 14.341 min Scan# 2106

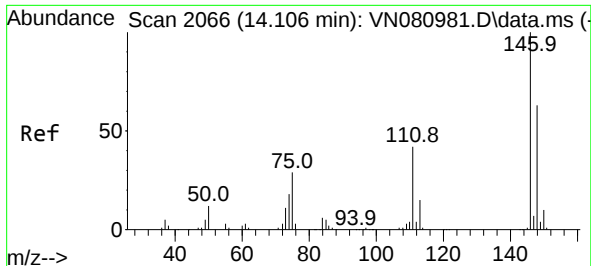
Delta R.T. 0.006 min

Lab File: VN081155.D

Acq: 23 Feb 2024 11:51

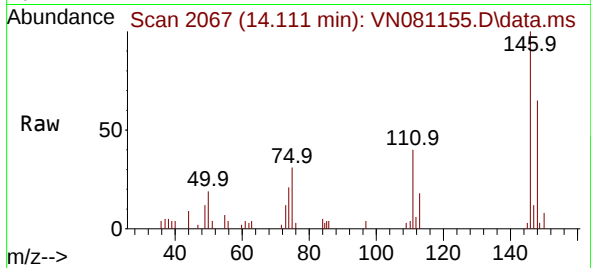
Tgt Ion:	117	Resp:	4987
Ion Ratio	Lower	Upper	
117	100		
201	69.7	38.0	114.0





#87
1,2-Dichlorobenzene
Concen: 2.415 ug/l
RT: 14.111 min Scan# 2066
Delta R.T. 0.006 min
Lab File: VN081155.D
Acq: 23 Feb 2024 11:51

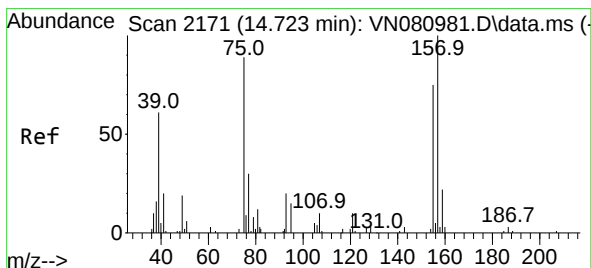
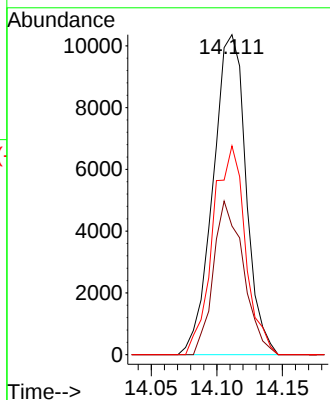
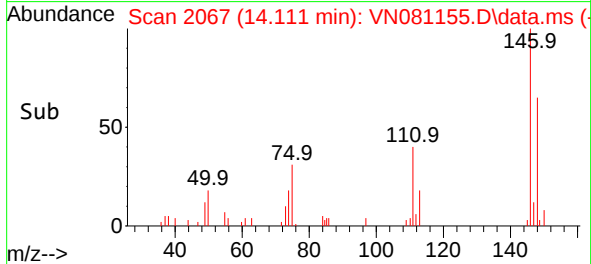
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT1-2024



Tgt Ion:146 Resp: 1809
Ion Ratio Lower Upper
146 100
111 43.9 22.6 67.8
148 64.6 31.3 93.8

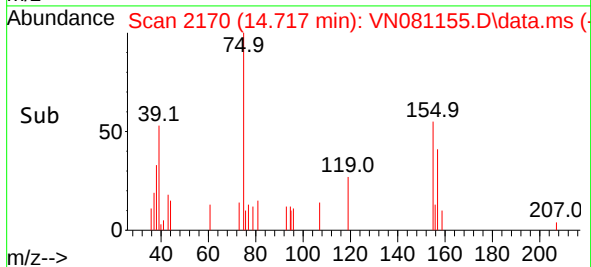
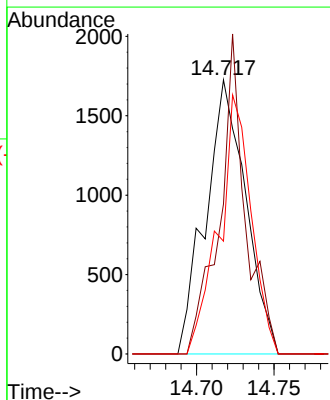
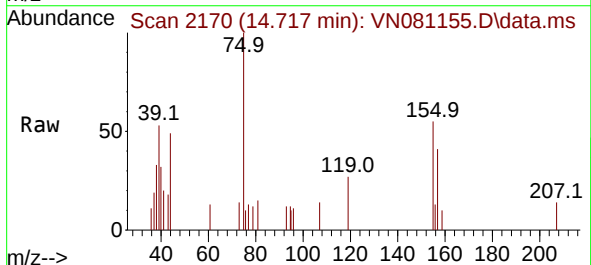
Manual Integrations
APPROVED

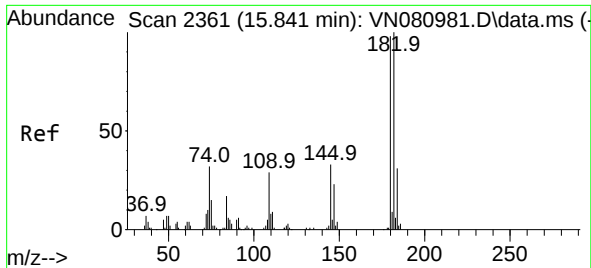
Reviewed By :John Carlone 02/26/2024
Supervised By :Mahesh Dadoda 02/26/2024



#88
1,2-Dibromo-3-Chloropropane
Concen: 3.241 ug/l
RT: 14.717 min Scan# 2170
Delta R.T. -0.006 min
Lab File: VN081155.D
Acq: 23 Feb 2024 11:51

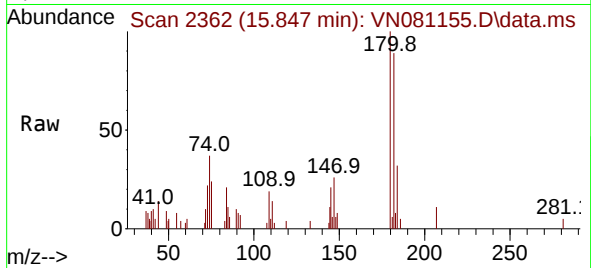
Tgt Ion: 75 Resp: 3103
Ion Ratio Lower Upper
75 100
155 75.5 61.7 92.5
157 75.8 83.6 125.4#





#89
1,2,4-Trichlorobenzene
Concen: 2.543 ug/l
RT: 15.847 min Scan# 2361
Delta R.T. 0.006 min
Lab File: VN081155.D
Acq: 23 Feb 2024 11:51

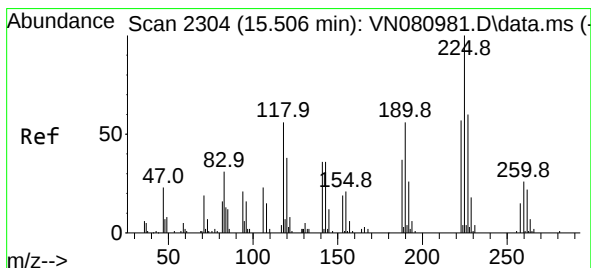
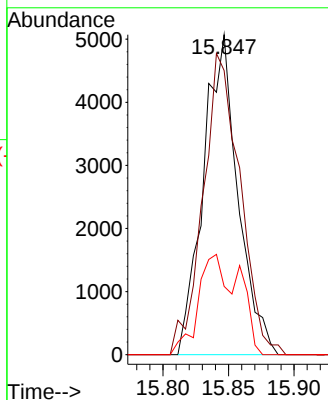
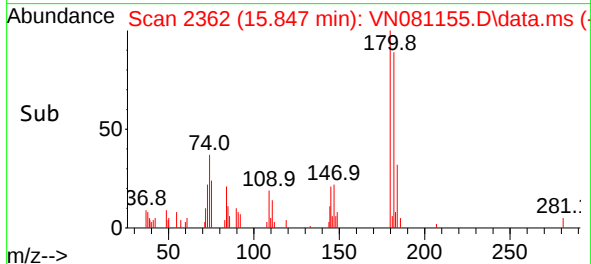
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT1-2024



Tgt Ion:180 Resp: 9319
Ion Ratio Lower Upper
180 100
182 100.5 76.4 114.6
145 24.0 28.4 42.6

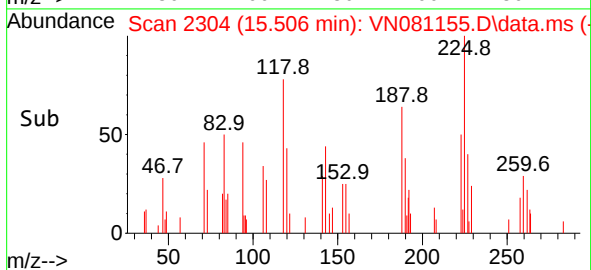
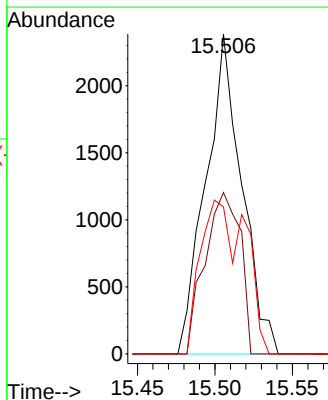
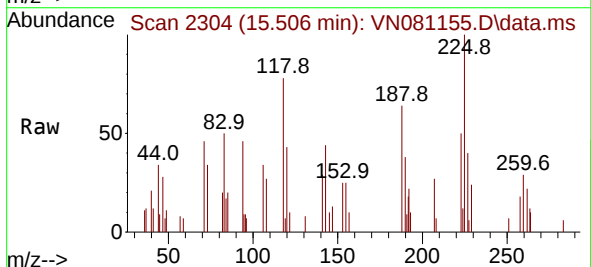
Manual Integrations
APPROVED

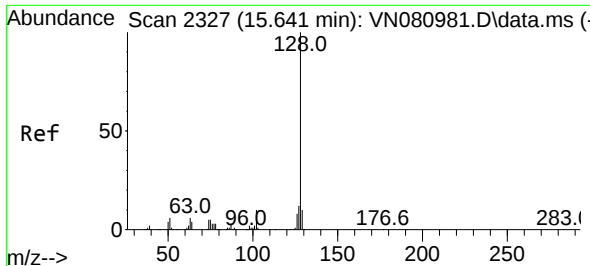
Reviewed By :John Carlone 02/26/2024
Supervised By :Mahesh Dadoda 02/26/2024



#90
Hexachlorobutadiene
Concen: 2.397 ug/l
RT: 15.506 min Scan# 2304
Delta R.T. -0.000 min
Lab File: VN081155.D
Acq: 23 Feb 2024 11:51

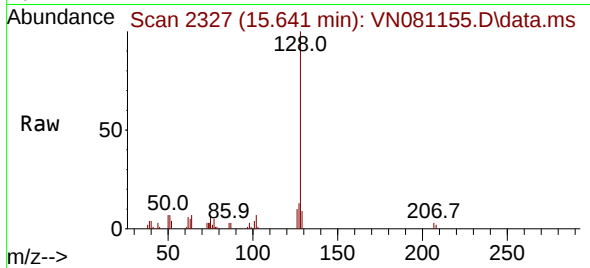
Tgt Ion:225 Resp: 3854
Ion Ratio Lower Upper
225 100
223 49.4 0.0 126.6
227 40.9 0.0 126.6





#91
Naphthalene
Concen: 2.345 ug/l
RT: 15.641 min Scan# 2327
Delta R.T. -0.000 min
Lab File: VN081155.D
Acq: 23 Feb 2024 11:51

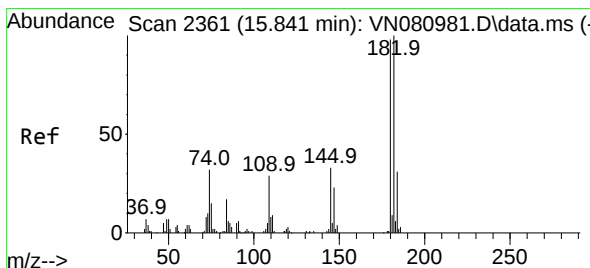
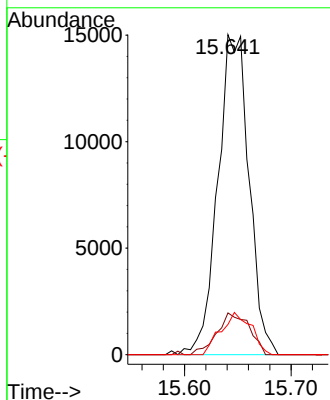
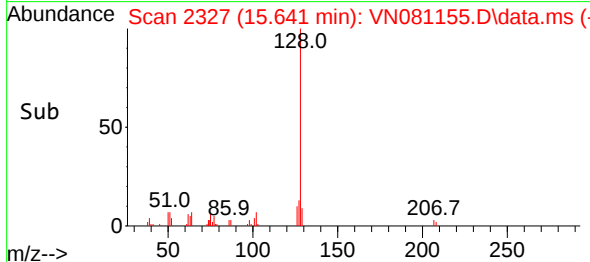
Instrument : MSVOA_N
ClientSampleId : MDL-WATER-03-QT1-2024



Tgt Ion:128 Resp: 3051
Ion Ratio Lower Upper
128 100
127 13.6 10.6 16.0
129 12.9 8.6 13.0

Manual Integrations
APPROVED

Reviewed By :John Carlone 02/26/2024
Supervised By :Mahesh Dadoda 02/26/2024



#92
1,2,3-Trichlorobenzene
Concen: 2.543 ug/l
RT: 15.847 min Scan# 2362
Delta R.T. 0.006 min
Lab File: VN081155.D
Acq: 23 Feb 2024 11:51

Tgt Ion:180 Resp: 9319
Ion Ratio Lower Upper
180 100
182 100.5 0.0 191.0
145 24.0 0.0 71.0

