

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN013024\
 Data File : VN080825.D
 Acq On : 30 Jan 2024 19:34
 Operator : JC\MD
 Sample : P1187-09 2.5PPB
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 23 Sample Multiplier: 1

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

Quant Time: Jan 31 03:18:24 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N012924W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jan 29 12:54:23 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :John Carlone 01/31/2024
 Supervised By :Semsettin Yesilyurt 01/31/2024

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

Internal Standards						
1) Pentafluorobenzene	8.229	168	105761	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	221623	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	184814	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	65954	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	99894	54.598	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 109.200%			
35) Dibromofluoromethane	8.165	113	67519	49.797	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.600%			
50) Toluene-d8	10.570	98	262581	49.479	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 98.960%			
62) 4-Bromofluorobenzene	12.853	95	83639	45.227	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 90.460%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.124	85	3612	2.299	ug/l	80
3) Chloromethane	2.359	50	8438	3.573	ug/l	100
4) Vinyl Chloride	2.512	62	5187	2.889	ug/l #	29
5) Bromomethane	2.953	94	3133	4.363	ug/l	87
6) Chloroethane	3.124	64	3906	4.081	ug/l #	76
7) Trichlorofluoromethane	3.500	101	6126	2.637	ug/l #	71
8) Diethyl Ether	3.959	74	2773	2.587	ug/l	89
9) 1,1,2-Trichlorotrifluo...	4.353	101	3896	2.876	ug/l #	52
10) Methyl Iodide	4.588	142	3418	2.989	ug/l #	88
11) Tert butyl alcohol	5.530	59	4742	15.899	ug/l #	76
12) 1,1-Dichloroethene	4.341	96	4105	2.765	ug/l #	60
13) Acrolein	4.177	56	5198	13.820	ug/l #	73
14) Allyl chloride	5.018	41	7634	2.602	ug/l #	85
15) Acrylonitrile	5.730	53	12718	14.179	ug/l	99
16) Acetone	4.424	43	10127	15.262	ug/l	92
17) Carbon Disulfide	4.718	76	11487	2.485	ug/l	98
18) Methyl Acetate	5.036	43	10754m	4.650	ug/l	
19) Methyl tert-butyl Ether	5.788	73	14422	2.757	ug/l #	85
20) Methylene Chloride	5.294	84	4508	2.588	ug/l #	66
21) trans-1,2-Dichloroethene	5.783	96	4504	2.793	ug/l	95
22) Diisopropyl ether	6.677	45	17399	2.687	ug/l #	96
23) Vinyl Acetate	6.606	43	51662	11.028	ug/l	99
24) 1,1-Dichloroethane	6.571	63	9212	2.806	ug/l	94
25) 2-Butanone	7.494	43	16814	13.340	ug/l	91
26) 2,2-Dichloropropane	7.494	77	6480	2.442	ug/l	91
27) cis-1,2-Dichloroethene	7.488	96	5210	2.791	ug/l	88
28) Bromochloromethane	7.818	49	4886	2.811	ug/l #	92
29) Tetrahydrofuran	7.841	42	12016	14.089	ug/l	99
30) Chloroform	7.959	83	8715	2.857	ug/l	98
31) Cyclohexane	8.259	56	11216	3.575	ug/l	94
32) 1,1,1-Trichloroethane	8.159	97	7355	2.973	ug/l #	85
36) 1,1-Dichloropropene	8.377	75	6136	2.435	ug/l	95
37) Ethyl Acetate	7.565	43	7602	2.930	ug/l #	91
38) Carbon Tetrachloride	8.365	117	5552	2.734	ug/l #	78
39) Methylcyclohexane	9.600	83	6698	2.674	ug/l	85
40) Benzene	8.600	78	19682	2.657	ug/l #	82

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Manual Integrations
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.782	41	4464	2.919	ug/l #	89
42) 1,2-Dichloroethane	8.665	62	7099	2.942	ug/l	96
43) Isopropyl Acetate	8.682	43	11841	2.507	ug/l #	92
44) Trichloroethene	9.347	130	4148	2.543	ug/l	52
45) 1,2-Dichloropropane	9.623	63	5989	2.988	ug/l	96
46) Dibromomethane	9.706	93	3252	2.737	ug/l	97
47) Bromodichloromethane	9.894	83	6054	2.509	ug/l #	89
48) Methyl methacrylate	9.688	41	6810	2.974	ug/l	94
49) 1,4-Dioxane	9.706	88	1693m	61.380	ug/l	
51) 4-Methyl-2-Pentanone	10.447	43	34054	12.897	ug/l	98
52) Toluene	10.629	92	10606	2.497	ug/l	87
53) t-1,3-Dichloropropene	10.835	75	6453	2.296	ug/l	89
54) cis-1,3-Dichloropropene	10.312	75	7507	2.456	ug/l #	84
55) 1,1,2-Trichloroethane	11.018	97	4853	2.973	ug/l #	88
56) Ethyl methacrylate	10.876	69	4870	1.941	ug/l #	76
57) 1,3-Dichloropropane	11.165	76	7509	2.445	ug/l	93
58) 2-Chloroethyl Vinyl ether	10.159	63	17897	12.236	ug/l	98
59) 2-Hexanone	11.200	43	24100	11.750	ug/l	97
60) Dibromochloromethane	11.365	129	4050	2.668	ug/l	91
61) 1,2-Dibromoethane	11.465	107	4146	2.710	ug/l	98
64) Tetrachloroethene	11.106	164	3009	2.477	ug/l	92
65) Chlorobenzene	11.894	112	9568	2.372	ug/l	93
66) 1,1,1,2-Tetrachloroethane	11.959	131	3351	2.555	ug/l	89
67) Ethyl Benzene	11.959	91	18697	2.494	ug/l	93
68) m/p-Xylenes	12.076	106	12558	4.717	ug/l	90
69) o-Xylene	12.400	106	6604	2.496	ug/l	95
70) Styrene	12.412	104	8973	2.112	ug/l	94
71) Bromoform	12.576	173	2080	2.345	ug/l #	94
73) Isopropylbenzene	12.694	105	15181	2.514	ug/l	98
74) N-amyl acetate	12.494	43	9105	2.428	ug/l #	95
75) 1,1,2,2-Tetrachloroethane	12.941	83	6391	3.008	ug/l #	82
76) 1,2,3-Trichloropropane	12.994	75	6029m	3.031	ug/l	
77) Bromobenzene	12.988	156	3543	2.744	ug/l	98
78) n-propylbenzene	13.035	91	19432	2.693	ug/l	99
79) 2-Chlorotoluene	13.129	91	11746	2.561	ug/l	94
80) 1,3,5-Trimethylbenzene	13.176	105	12724	2.645	ug/l	95
81) trans-1,4-Dichloro-2-b...	12.747	75	2095	2.713	ug/l	92
82) 4-Chlorotoluene	13.223	91	10913	2.403	ug/l	93
83) tert-Butylbenzene	13.441	119	10010	2.606	ug/l	98
84) 1,2,4-Trimethylbenzene	13.482	105	12064	2.475	ug/l	94
85) sec-Butylbenzene	13.617	105	12727	2.247	ug/l	85
86) p-Isopropyltoluene	13.735	119	10966	2.492	ug/l	98
87) 1,3-Dichlorobenzene	13.735	146	5183	2.244	ug/l	96
88) 1,4-Dichlorobenzene	13.811	146	5815m	2.512	ug/l	
89) n-Butylbenzene	14.058	91	10253	2.381	ug/l	91
90) Hexachloroethane	14.335	117	1700	2.208	ug/l	96
91) 1,2-Dichlorobenzene	14.106	146	5668	2.682	ug/l	94
92) 1,2-Dibromo-3-Chloropr...	14.717	75	797	2.007	ug/l	94
93) 1,2,4-Trichlorobenzene	15.388	180	3323	3.055	ug/l	83
94) Hexachlorobutadiene	15.511	225	1068	2.247	ug/l	95
95) Naphthalene	15.641	128	9590	2.304	ug/l #	87
96) 1,2,3-Trichlorobenzene	15.847	180	2629	2.459	ug/l	79

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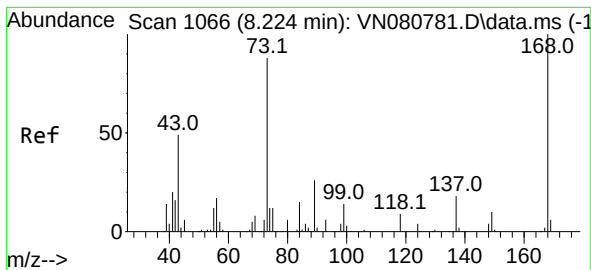
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT1-2024

Manual Integrations
APPROVED

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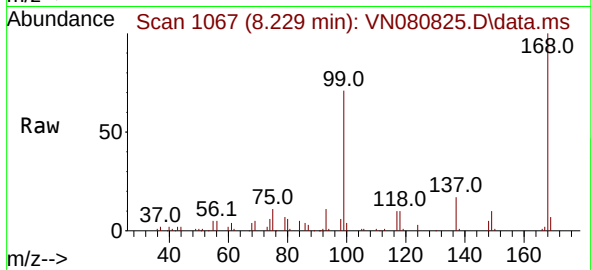
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.229 min Scan# 1066
Delta R.T. 0.005 min
Lab File: VN080825.D
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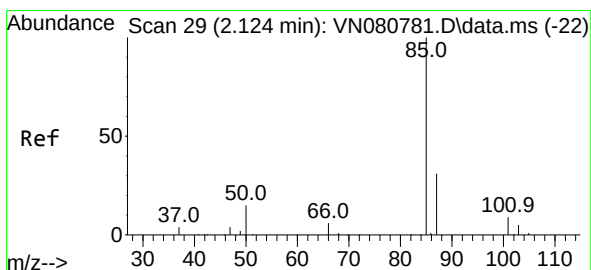
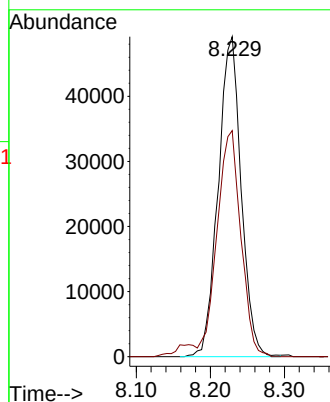
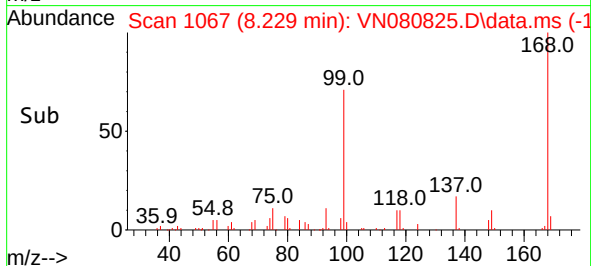
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT1-2024



Tgt Ion:168 Resp: 10576
Ion Ratio Lower Upper
168 100
99 70.6 59.9 89.9

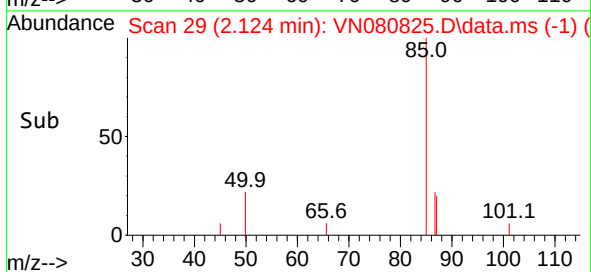
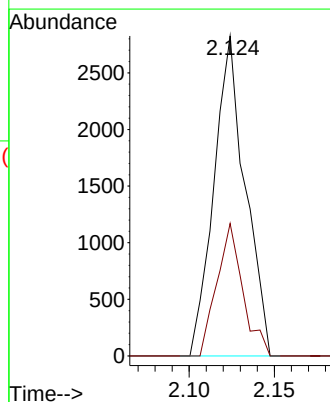
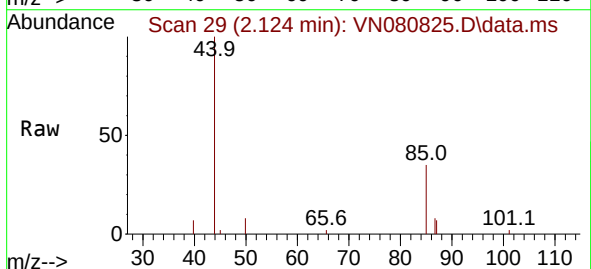
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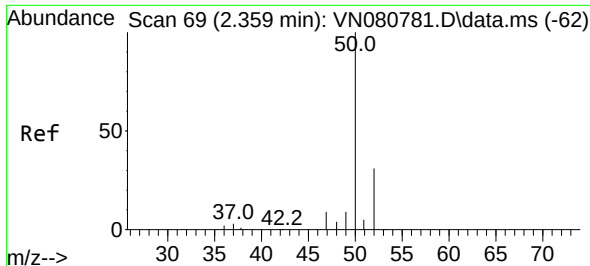
Reviewed By :John Carlone 01/31/2024
Supervised By :Semsettin Yesilyurt 01/31/2024



#2
Dichlorodifluoromethane
Concen: 2.299 ug/l
RT: 2.124 min Scan# 29
Delta R.T. -0.000 min
Lab File: VN080825.D
Acq: 30 Jan 2024 19:34

Tgt Ion: 85 Resp: 3612
Ion Ratio Lower Upper
85 100
87 41.4 15.3 45.9





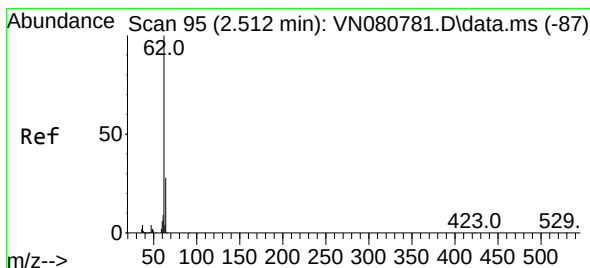
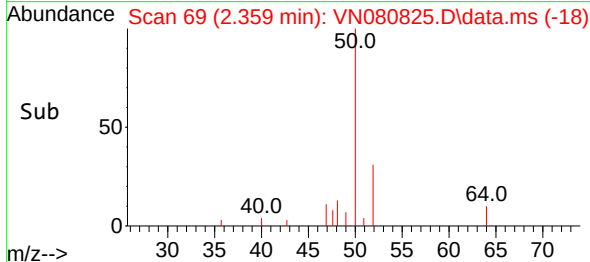
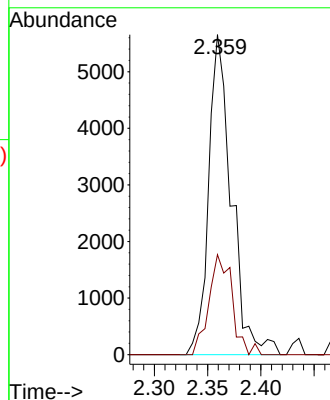
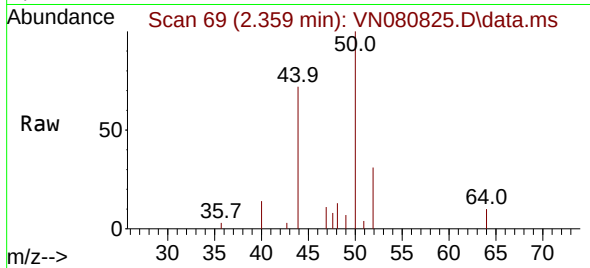
#3
Chloromethane
Concen: 3.573 ug/l
RT: 2.359 min Scan# 69
Delta R.T. -0.000 min
Lab File: VN080825.D
Acq: 30 Jan 2024 19:34

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MDL-WATER-03-QT1-2024

Tgt Ion: 50 Resp: 8438
Ion Ratio Lower Upper
50 100
52 31.3 25.0 37.4

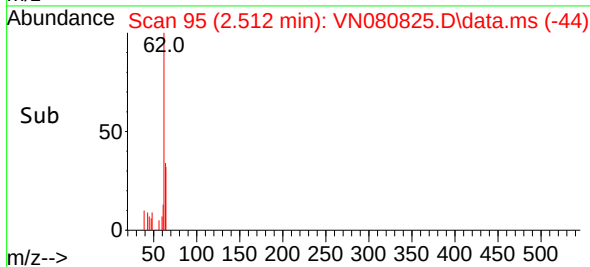
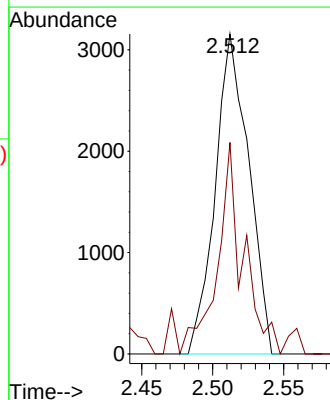
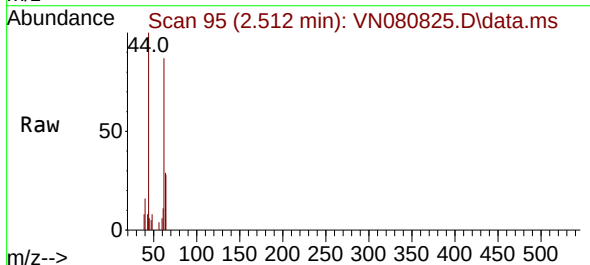
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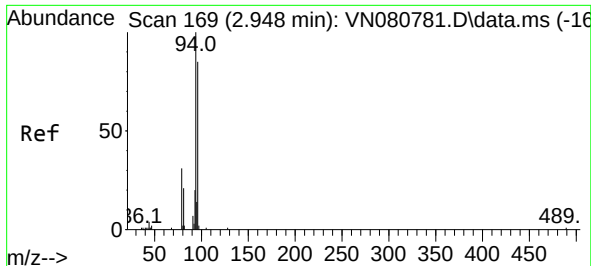
Reviewed By :John Carlone 01/31/2024
Supervised By :Semsettin Yesilyurt 01/31/2024



#4
Vinyl Chloride
Concen: 2.889 ug/l
RT: 2.512 min Scan# 95
Delta R.T. -0.000 min
Lab File: VN080825.D
Acq: 30 Jan 2024 19:34

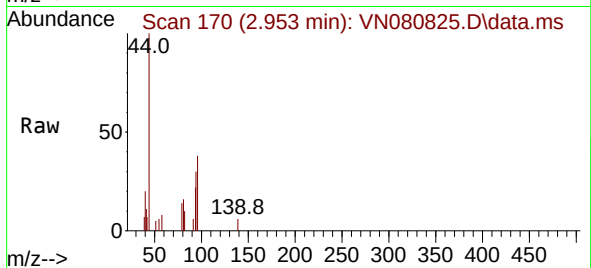
Tgt Ion: 62 Resp: 5187
Ion Ratio Lower Upper
62 100
64 66.1 22.7 34.1#





#5
Bromomethane
Concen: 4.363 ug/l
RT: 2.953 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN080825.D
Acq: 30 Jan 2024 19:34

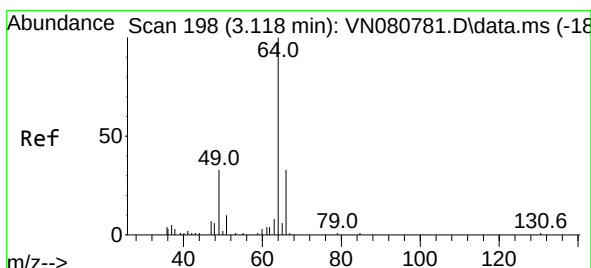
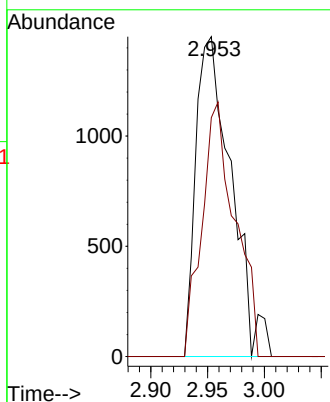
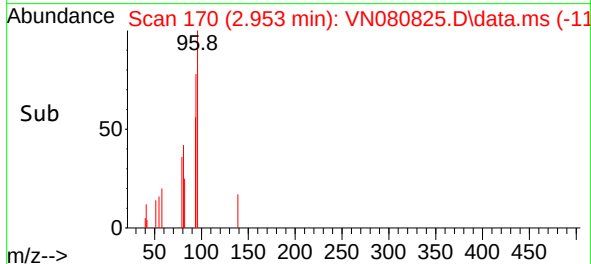
Instrument :
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Tgt Ion: 94 Resp: 313
Ion Ratio Lower Upper
94 100
96 74.7 69.2 103.8

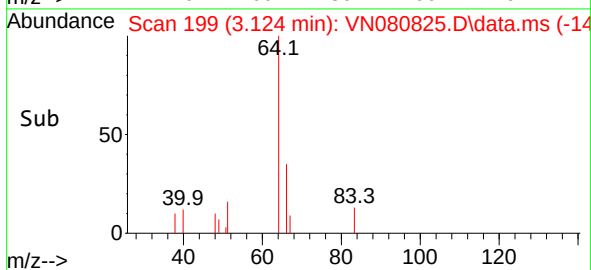
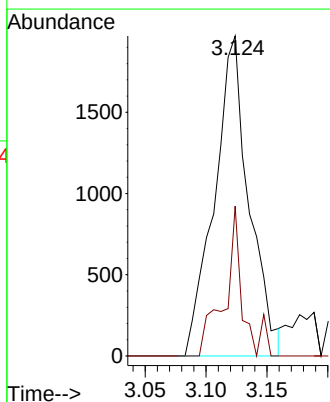
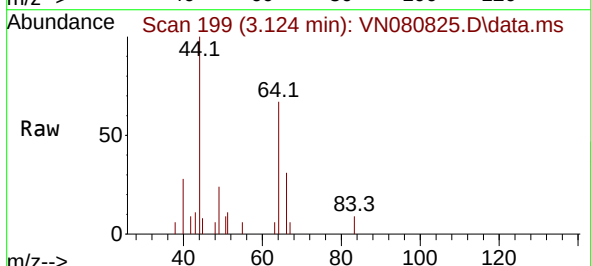
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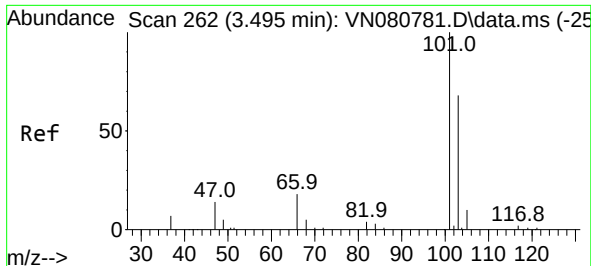
Reviewed By :John Carlone 01/31/2024
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#6
Chloroethane
Concen: 4.081 ug/l
RT: 3.124 min Scan# 199
Delta R.T. 0.006 min
Lab File: VN080825.D
Acq: 30 Jan 2024 19:34

Tgt Ion: 64 Resp: 3906
Ion Ratio Lower Upper
64 100
66 46.8 26.4 39.6#





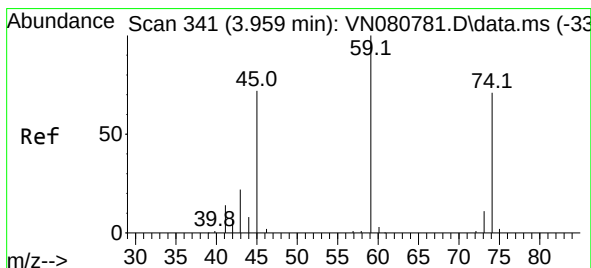
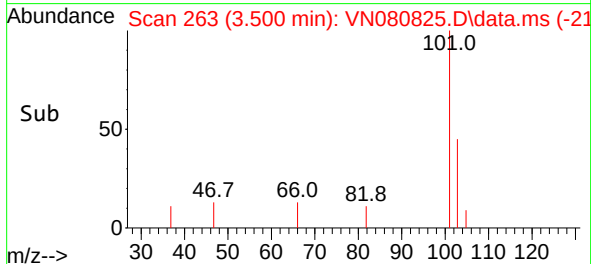
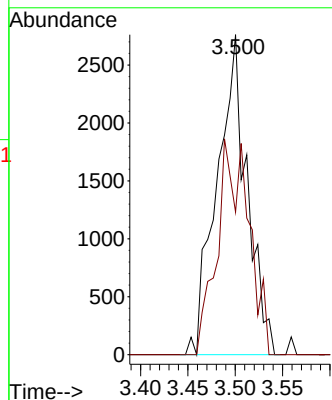
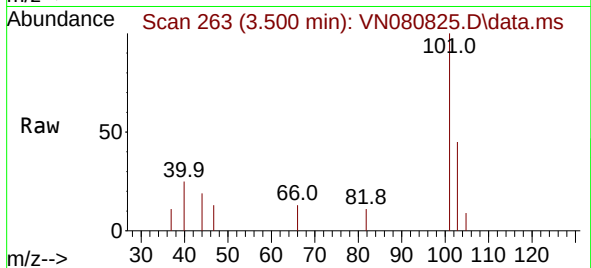
#7
Trichlorofluoromethane
Concen: 2.637 ug/l
RT: 3.500 min Scan# 263
Delta R.T. 0.006 min
Lab File: VN080825.D
Acq: 30 Jan 2024 19:34

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

Tgt Ion:101 Resp: 6120
Ion Ratio Lower Upper
101 100
103 44.5 54.4 81.6

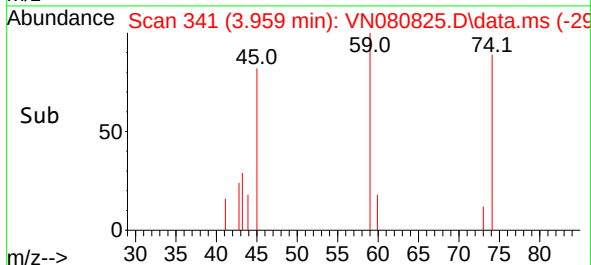
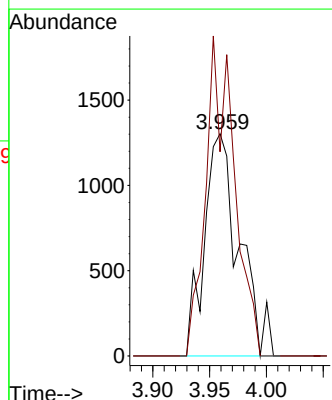
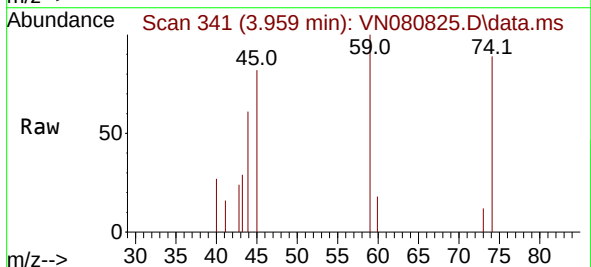
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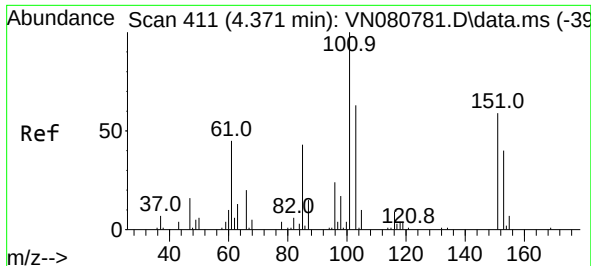
Reviewed By :John Carlone 01/31/2024
Supervised By :Semsettin Yesilyurt 01/31/2024



#8
Diethyl Ether
Concen: 2.587 ug/l
RT: 3.959 min Scan# 341
Delta R.T. -0.000 min
Lab File: VN080825.D
Acq: 30 Jan 2024 19:34

Tgt Ion: 74 Resp: 2773
Ion Ratio Lower Upper
74 100
45 117.8 53.3 159.9





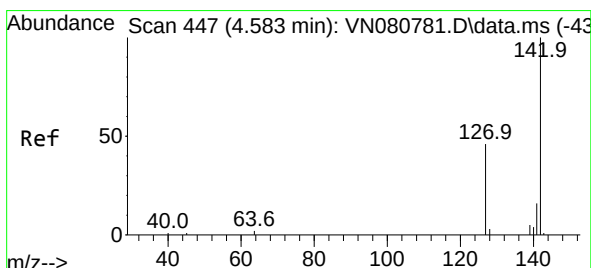
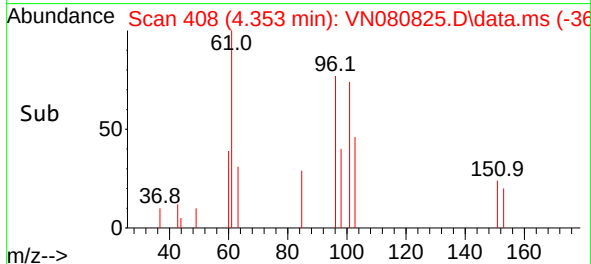
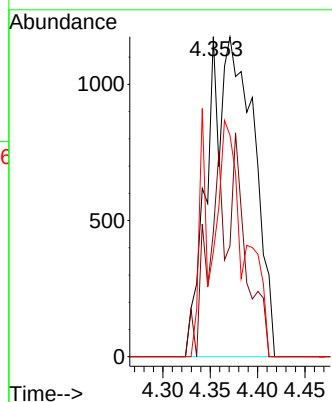
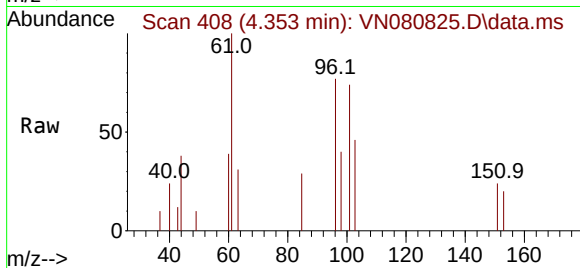
#9
1,1,2-Trichlorotrifluoroethane
Concen: 2.876 ug/l
RT: 4.353 min Scan# 408
Delta R.T. -0.018 min
Lab File: VN080825.D
Acq: 30 Jan 2024 19:34

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

Tgt Ion:101 Resp: 3890
Ion Ratio Lower Upper
101 100
85 22.5 38.1 57.1
151 18.8 49.1 73.7

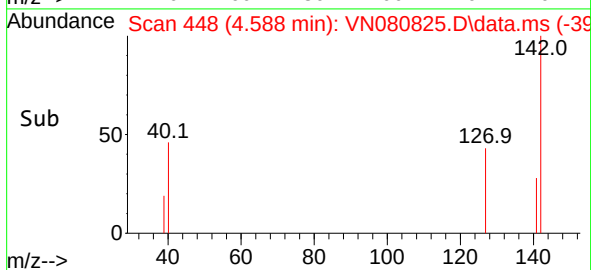
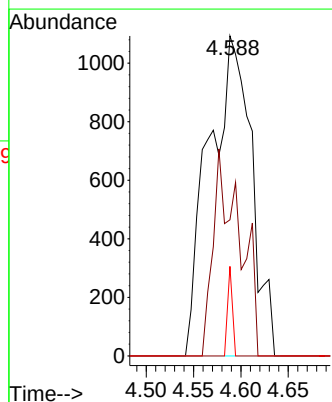
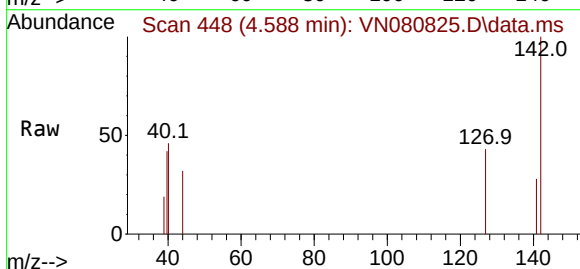
Manual Integrations
APPROVED

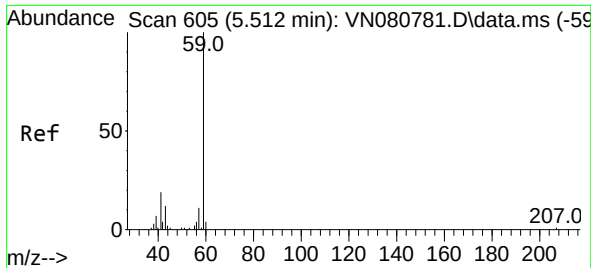
Reviewed By :John Carlone 01/31/2024
Supervised By :Semsettin Yesilyurt 01/31/2024



#10
Methyl Iodide
Concen: 2.989 ug/l
RT: 4.588 min Scan# 448
Delta R.T. 0.006 min
Lab File: VN080825.D
Acq: 30 Jan 2024 19:34

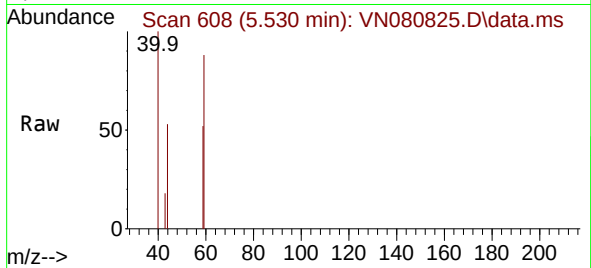
Tgt Ion:142 Resp: 3418
Ion Ratio Lower Upper
142 100
127 42.5 37.0 55.4
141 28.0 12.5 18.7





#11
Tert butyl alcohol
Concen: 15.899 ug/l
RT: 5.530 min Scan# 605
Delta R.T. 0.018 min
Lab File: VN080825.D
Acq: 30 Jan 2024 19:34

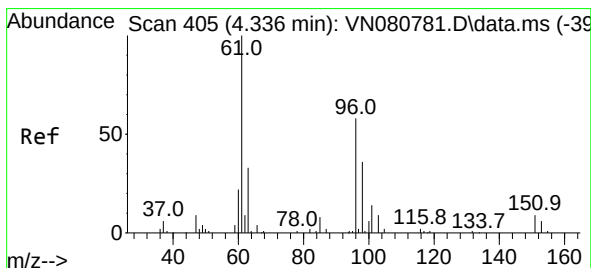
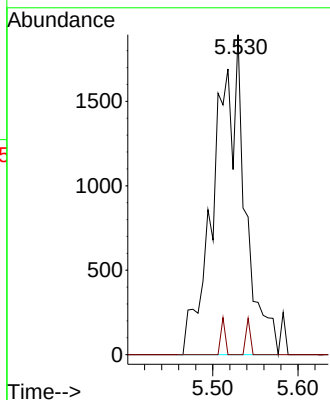
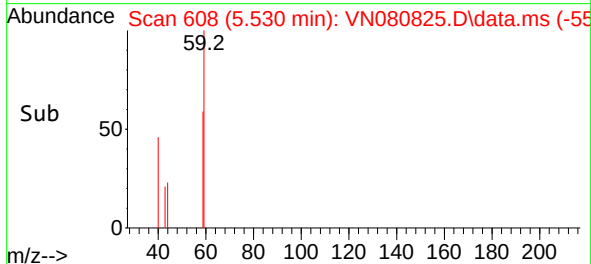
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT1-2024



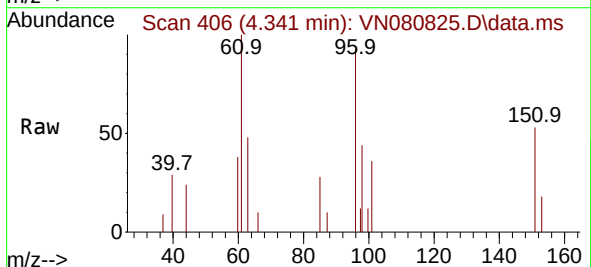
Tgt Ion: 59 Resp: 4742
Ion Ratio Lower Upper
59 100
57 1.6 8.6 12.8

Manual Integrations
APPROVED

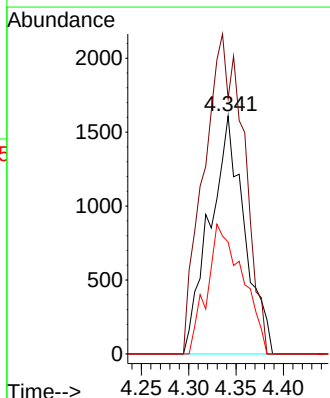
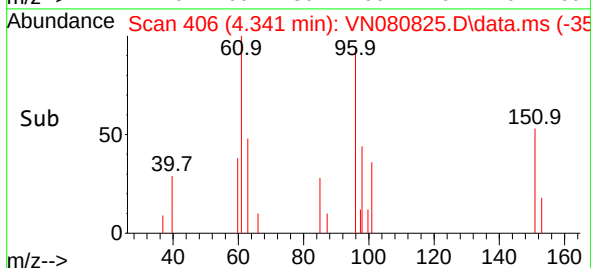
Reviewed By :John Carlone 01/31/2024
Supervised By :Semsettin Yesilyurt 01/31/2024

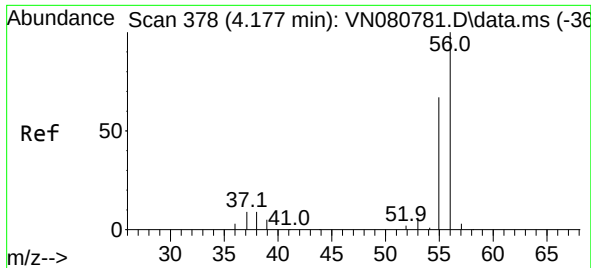


#12
1,1-Dichloroethene
Concen: 2.765 ug/l
RT: 4.341 min Scan# 406
Delta R.T. 0.006 min
Lab File: VN080825.D
Acq: 30 Jan 2024 19:34



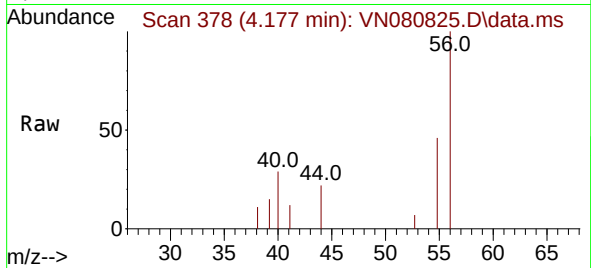
Tgt Ion: 96 Resp: 4105
Ion Ratio Lower Upper
96 100
61 107.3 138.2 207.4#
98 47.0 49.2 73.8#





#13
Acrolein
Concen: 13.820 ug/l
RT: 4.177 min Scan# 31
Delta R.T. -0.000 min
Lab File: VN080825.D
Acq: 30 Jan 2024 19:34

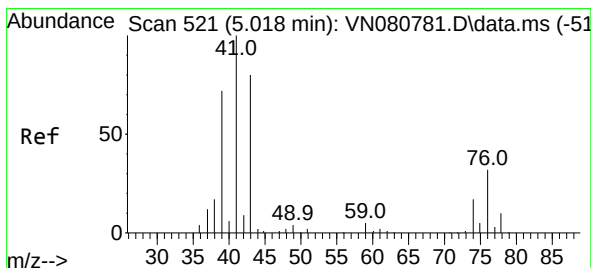
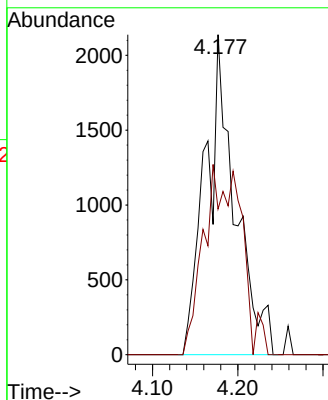
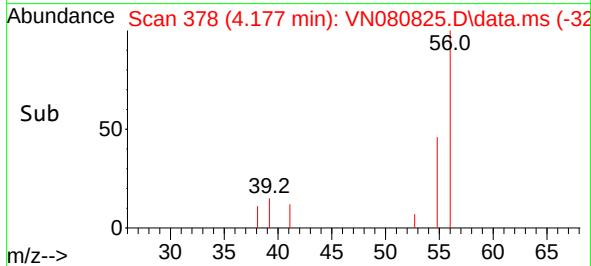
Instrument : MSVOA_N
ClientSampleId : MDL-WATER-03-QT1-2024



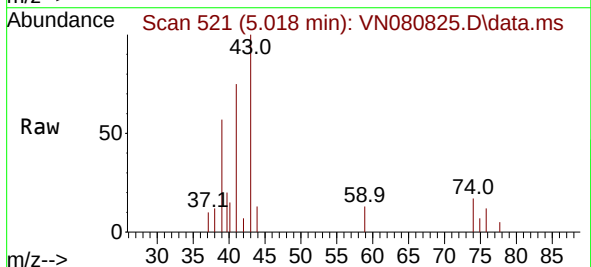
Tgt Ion: 56 Resp: 5198
Ion Ratio Lower Upper
56 100
55 46.9 55.3 82.9

Manual Integrations
APPROVED

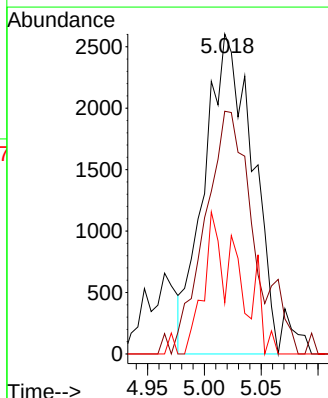
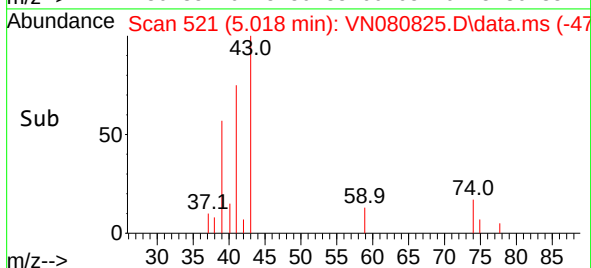
Reviewed By :John Carlone 01/31/2024
Supervised By :Semsettin Yesilyurt 01/31/2024

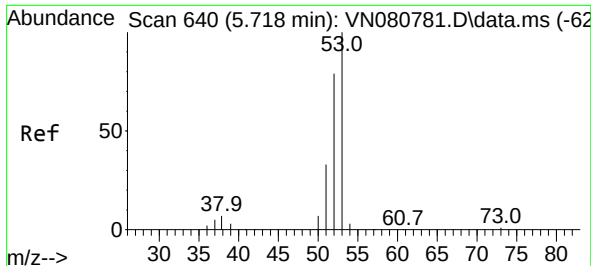


#14
Allyl chloride
Concen: 2.602 ug/l
RT: 5.018 min Scan# 521
Delta R.T. -0.000 min
Lab File: VN080825.D
Acq: 30 Jan 2024 19:34



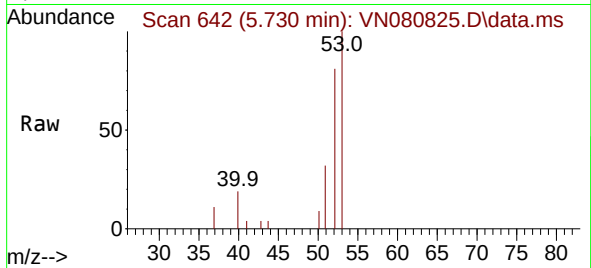
Tgt Ion: 41 Resp: 7634
Ion Ratio Lower Upper
41 100
39 78.3 57.7 86.5
76 16.5 26.8 40.2





#15
Acrylonitrile
Concen: 14.179 ug/l
RT: 5.730 min Scan# 640
Delta R.T. 0.012 min
Lab File: VN080825.D
Acq: 30 Jan 2024 19:34

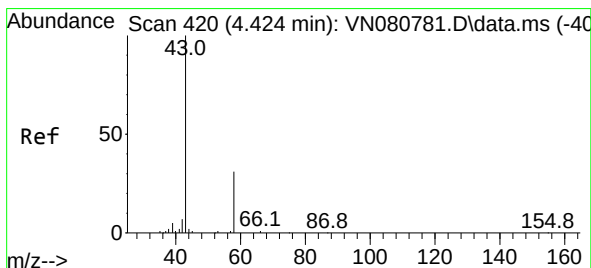
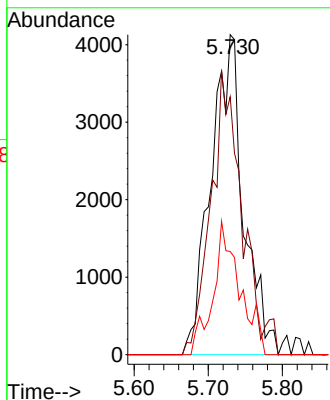
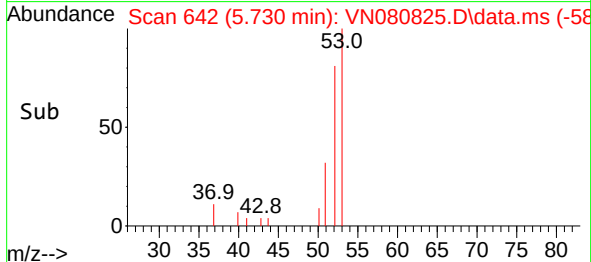
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT1-2024



Tgt Ion: 53 Resp: 12718
Ion Ratio Lower Upper
53 100
52 80.5 64.8 97.2
51 33.9 26.9 40.3

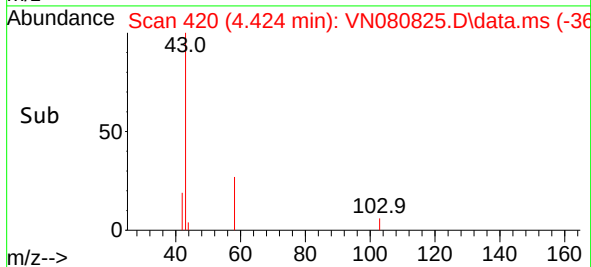
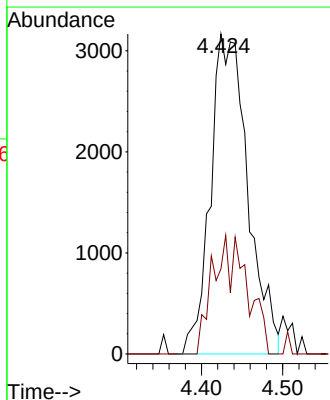
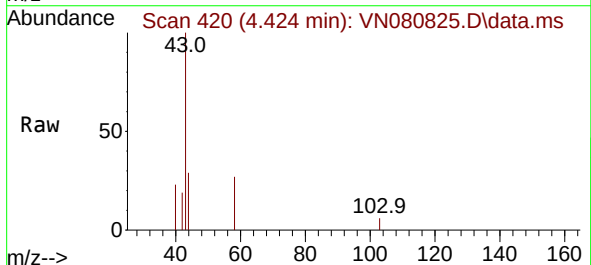
Manual Integrations
APPROVED

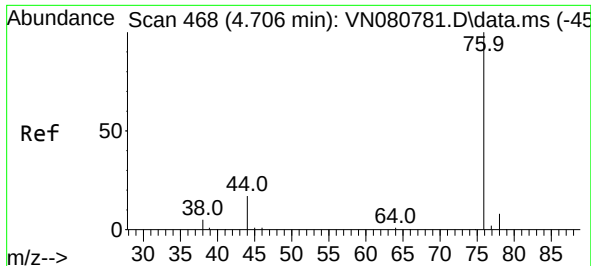
Reviewed By :John Carlone 01/31/2024
Supervised By :Semsettin Yesilyurt 01/31/2024



#16
Acetone
Concen: 15.262 ug/l
RT: 4.424 min Scan# 420
Delta R.T. -0.000 min
Lab File: VN080825.D
Acq: 30 Jan 2024 19:34

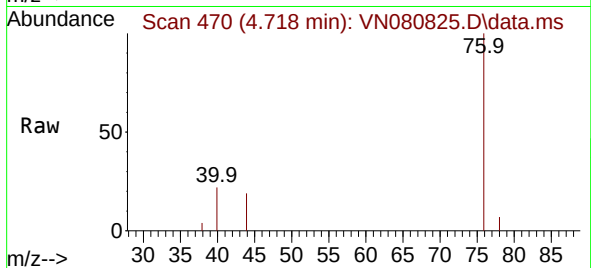
Tgt Ion: 43 Resp: 10127
Ion Ratio Lower Upper
43 100
58 26.6 24.8 37.2





#17
Carbon Disulfide
Concen: 2.485 ug/l
RT: 4.718 min Scan# 41
Delta R.T. 0.012 min
Lab File: VN080825.D
Acq: 30 Jan 2024 19:34

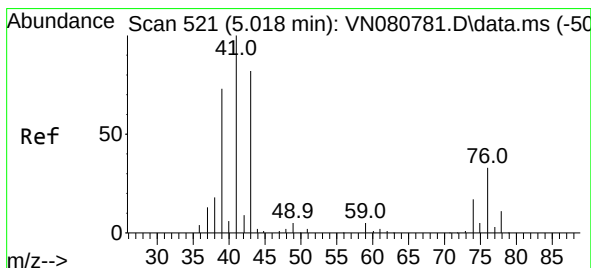
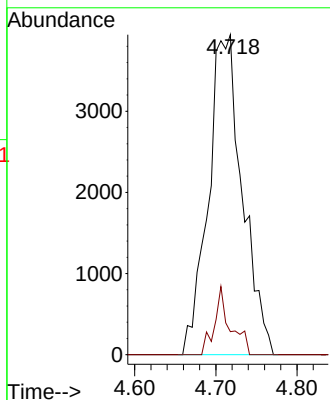
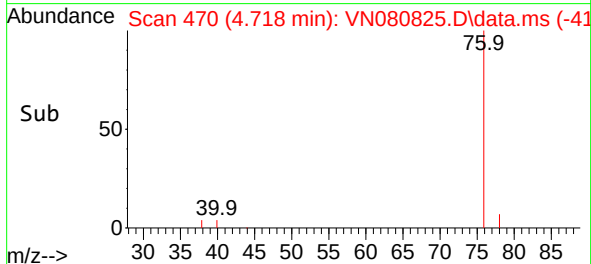
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT1-2024



Tgt Ion: 76 Resp: 1148
Ion Ratio Lower Upper
76 100
78 7.2 6.3 9.5

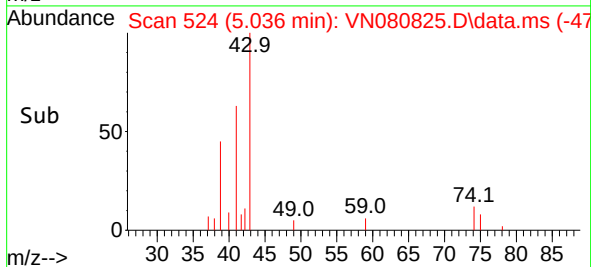
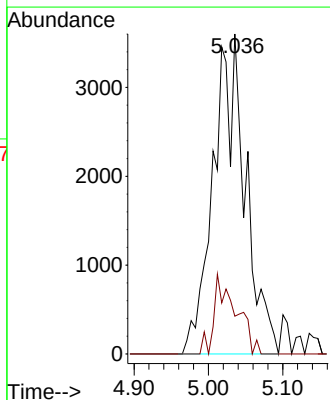
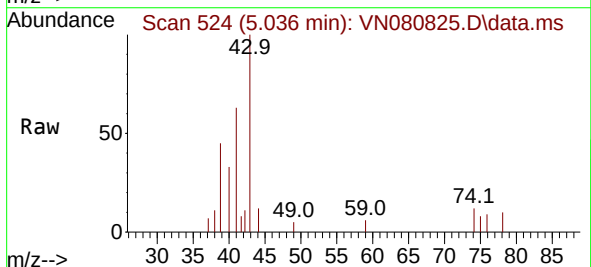
Manual Integrations
APPROVED

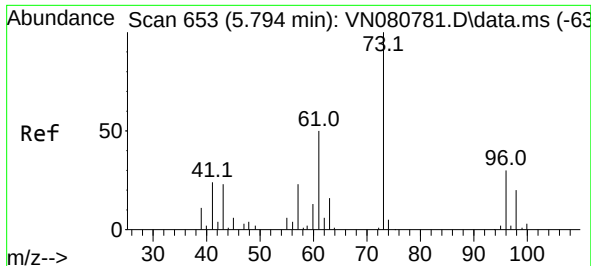
Reviewed By :John Carlone 01/31/2024
Supervised By :Semsettin Yesilyurt 01/31/2024



#18
Methyl Acetate
Concen: 4.650 ug/l m
RT: 5.036 min Scan# 524
Delta R.T. 0.018 min
Lab File: VN080825.D
Acq: 30 Jan 2024 19:34

Tgt Ion: 43 Resp: 10754
Ion Ratio Lower Upper
43 100
74 17.2 17.3 25.9#





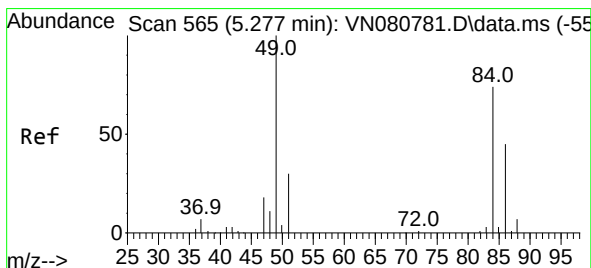
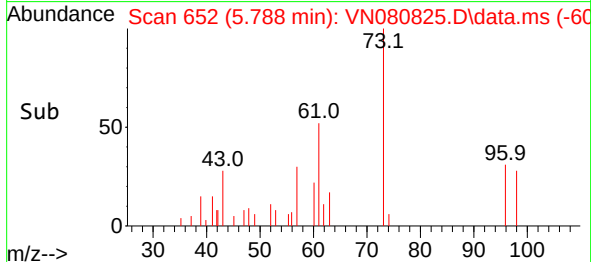
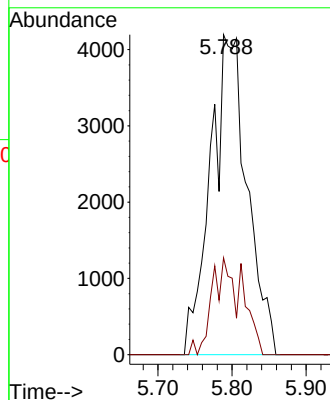
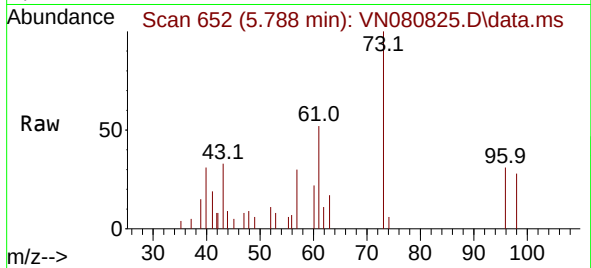
#19
Methyl tert-butyl Ether
Concen: 2.757 ug/l
RT: 5.788 min Scan# 61
Delta R.T. -0.006 min
Lab File: VN080825.D
Acq: 30 Jan 2024 19:34

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

Tgt Ion: 73 Resp: 1442
Ion Ratio Lower Upper
73 100
57 30.2 18.2 27.4

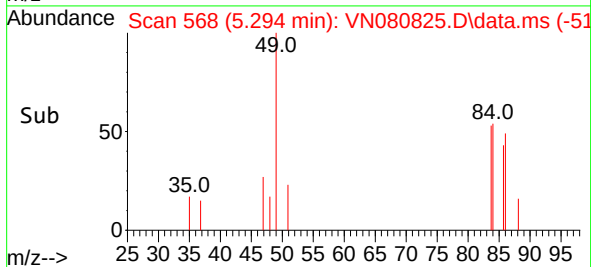
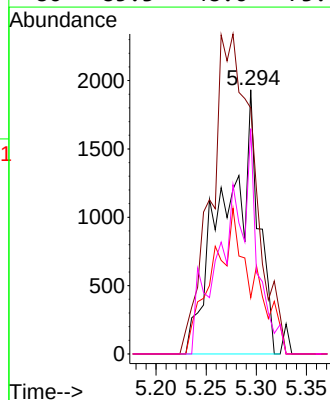
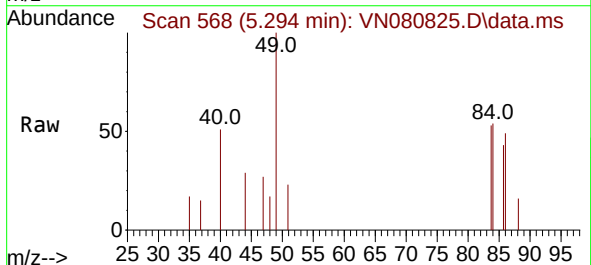
Manual Integrations
APPROVED

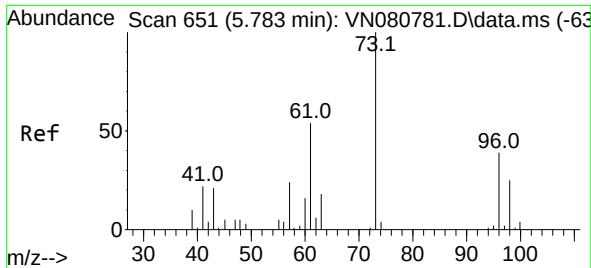
Reviewed By :John Carlone 01/31/2024
Supervised By :Semsettin Yesilyurt 01/31/2024



#20
Methylene Chloride
Concen: 2.588 ug/l
RT: 5.294 min Scan# 568
Delta R.T. 0.018 min
Lab File: VN080825.D
Acq: 30 Jan 2024 19:34

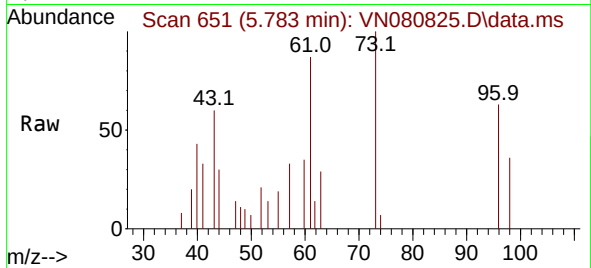
Tgt Ion: 84 Resp: 4508
Ion Ratio Lower Upper
84 100
49 93.1 108.1 162.1#
51 21.3 32.9 49.3#
86 85.3 48.6 73.0#





#21
trans-1,2-Dichloroethene
Concen: 2.793 ug/l
RT: 5.783 min Scan# 651
Delta R.T. -0.000 min
Lab File: VN080825.D
Acq: 30 Jan 2024 19:34

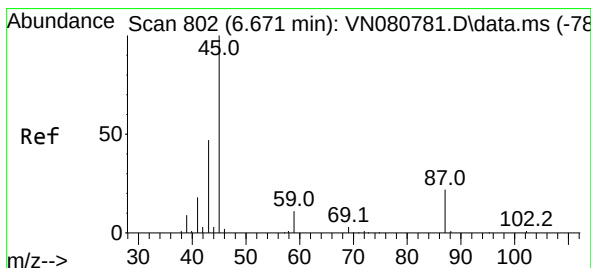
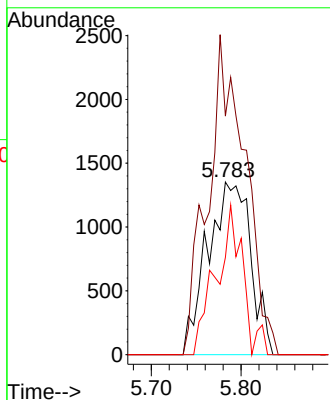
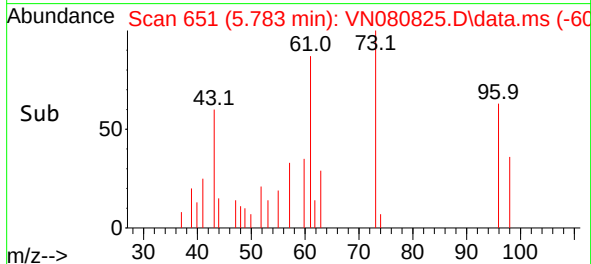
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT1-2024



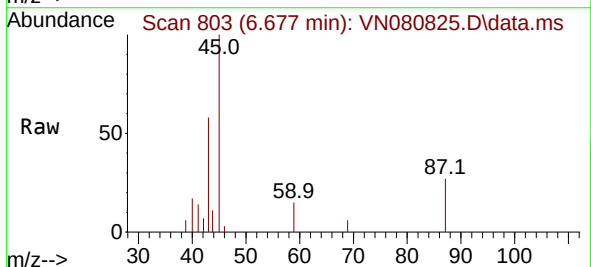
Tgt Ion: 96 Resp: 4504
Ion Ratio Lower Upper
96 100
61 138.1 112.8 169.2
98 56.3 51.0 76.4

Manual Integrations
APPROVED

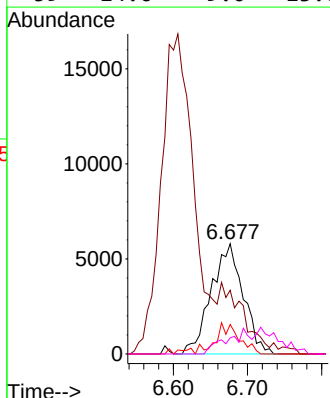
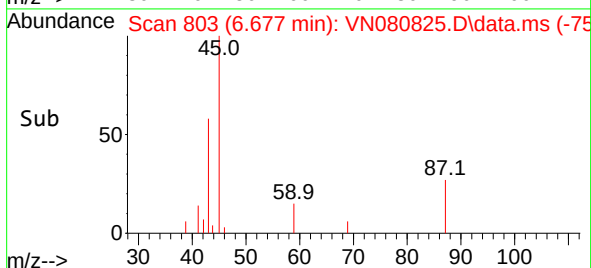
Reviewed By :John Carlone 01/31/2024
Supervised By :Semsettin Yesilyurt 01/31/2024

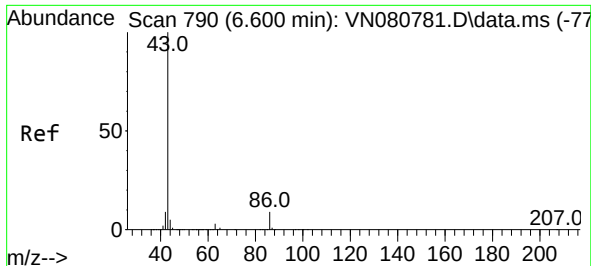


#22
Diisopropyl ether
Concen: 2.687 ug/l
RT: 6.677 min Scan# 803
Delta R.T. 0.006 min
Lab File: VN080825.D
Acq: 30 Jan 2024 19:34



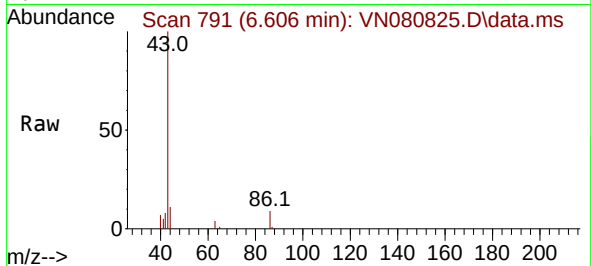
Tgt Ion: 45 Resp: 17399
Ion Ratio Lower Upper
45 100
43 53.5 41.8 62.8
87 26.7 18.1 27.1
59 14.6 9.0 13.6#





#23
 Vinyl Acetate
 Concen: 11.028 ug/l
 RT: 6.606 min Scan# 791
 Delta R.T. 0.006 min
 Lab File: VN080825.D
 Acq: 30 Jan 2024 19:34

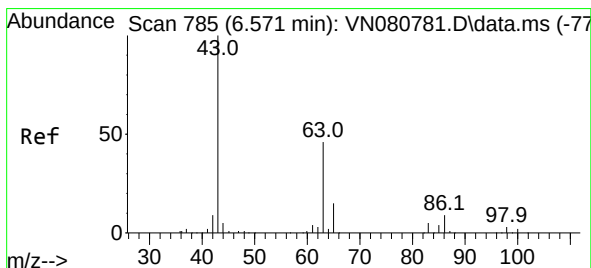
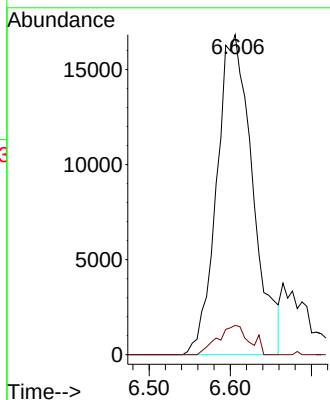
Instrument :
 MSVOA_N
 ClientSampleId :
 MDL-WATER-03-QT1-2024



Tgt Ion: 43 Resp: 5166
 Ion Ratio Lower Upper
 43 100
 86 9.2 7.1 10.7

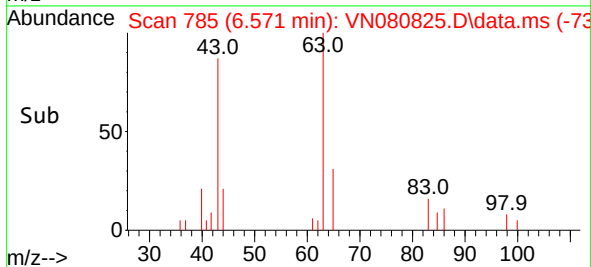
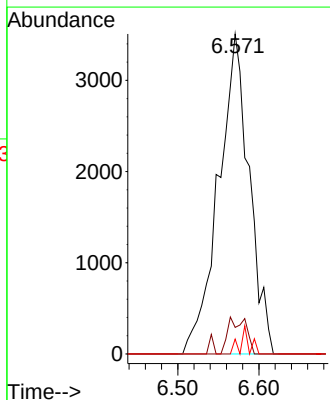
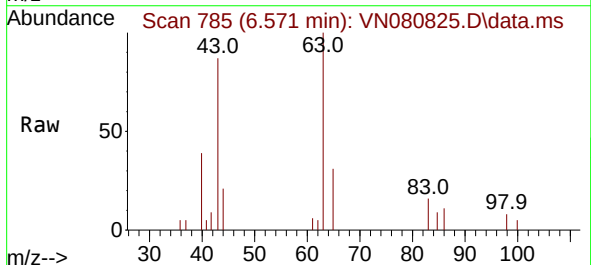
Manual Integrations
 APPROVED

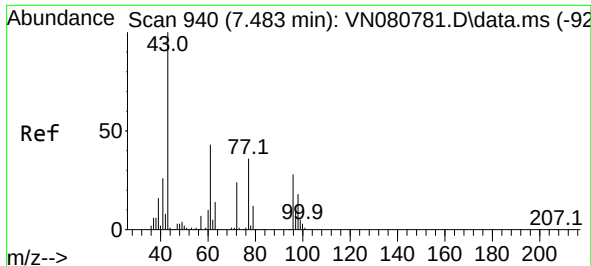
Reviewed By :John Carlone 01/31/2024
 Supervised By :Semsettin Yesilyurt 01/31/2024



#24
 1,1-Dichloroethane
 Concen: 2.806 ug/l
 RT: 6.571 min Scan# 785
 Delta R.T. -0.000 min
 Lab File: VN080825.D
 Acq: 30 Jan 2024 19:34

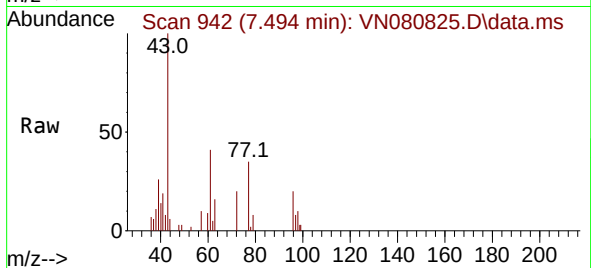
Tgt Ion: 63 Resp: 9212
 Ion Ratio Lower Upper
 63 100
 98 8.3 2.9 8.6
 100 4.7 1.9 5.7





#25
2-Butanone
Concen: 13.340 ug/l
RT: 7.494 min Scan# 942
Delta R.T. 0.012 min
Lab File: VN080825.D
Acq: 30 Jan 2024 19:34

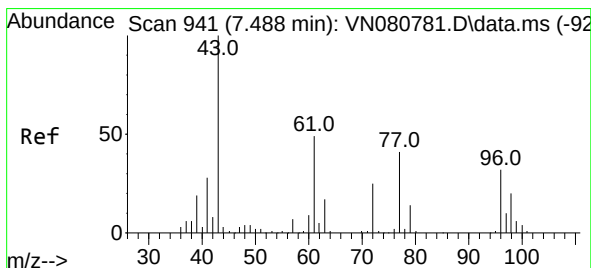
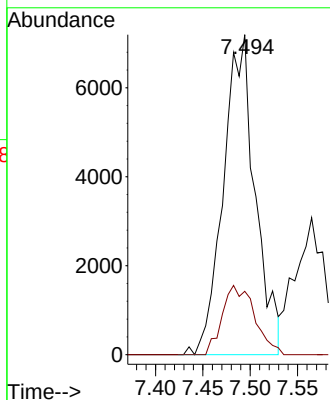
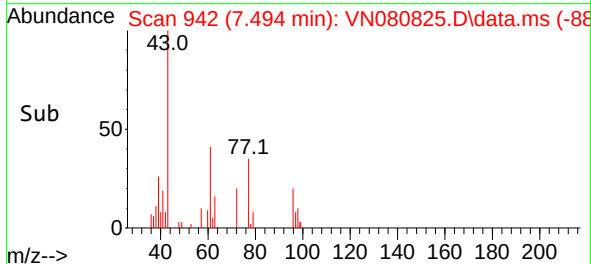
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT1-2024



Tgt Ion: 43 Resp: 16814
Ion Ratio Lower Upper
43 100
72 19.8 19.5 29.3

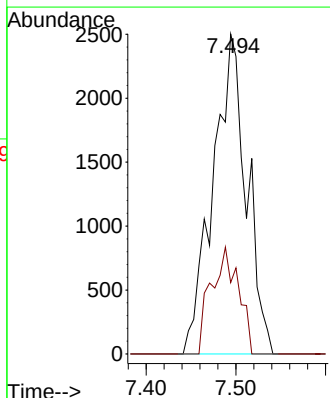
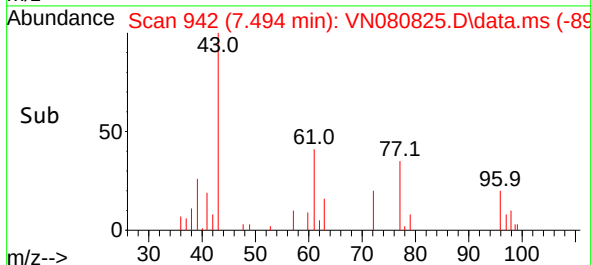
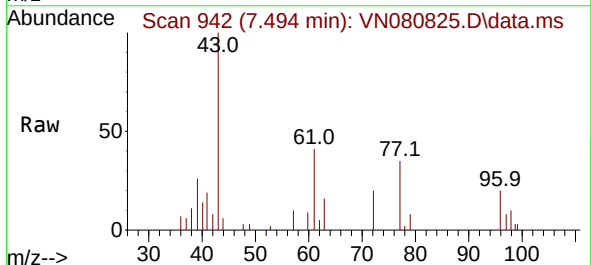
Manual Integrations
APPROVED

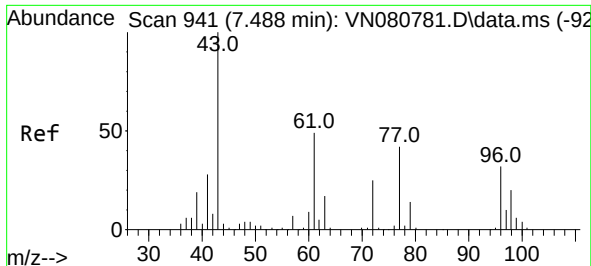
Reviewed By :John Carlone 01/31/2024
Supervised By :Semsettin Yesilyurt 01/31/2024



#26
2,2-Dichloropropane
Concen: 2.442 ug/l
RT: 7.494 min Scan# 942
Delta R.T. 0.006 min
Lab File: VN080825.D
Acq: 30 Jan 2024 19:34

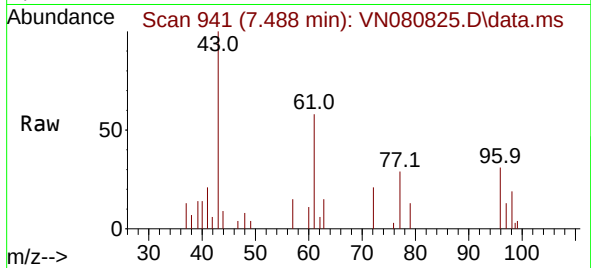
Tgt Ion: 77 Resp: 6480
Ion Ratio Lower Upper
77 100
97 27.2 11.5 34.5





#27
 cis-1,2-Dichloroethene
 Concen: 2.791 ug/l
 RT: 7.488 min Scan# 941
 Delta R.T. -0.000 min
 Lab File: VN080825.D
 Acq: 30 Jan 2024 19:34

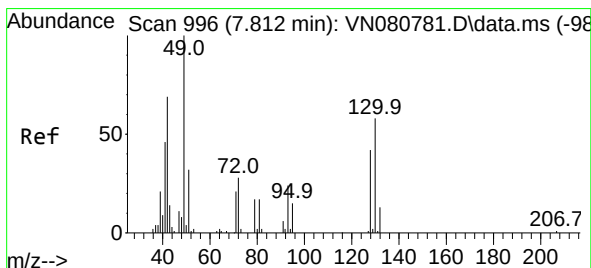
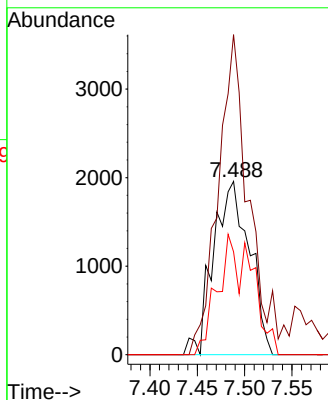
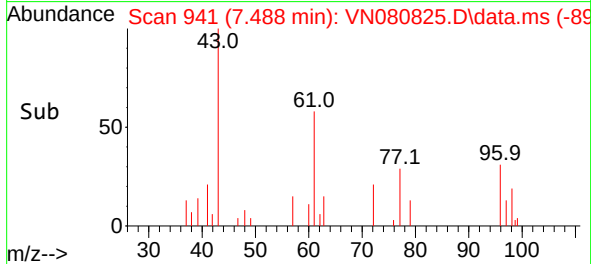
Instrument :
 MSVOA_N
 ClientSampleId :
 MDL-WATER-03-QT1-2024



Tgt Ion: 96 Resp: 5210
 Ion Ratio Lower Upper
 96 100
 61 158.8 0.0 325.4
 98 38.8 0.0 130.4

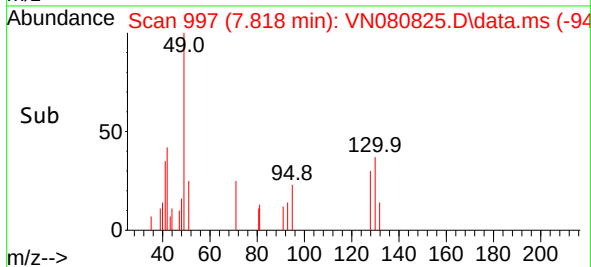
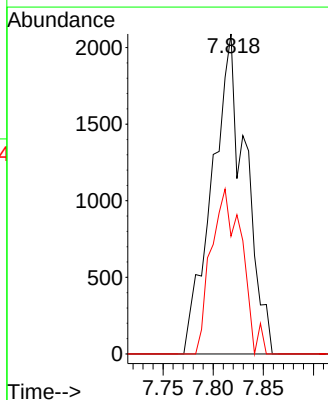
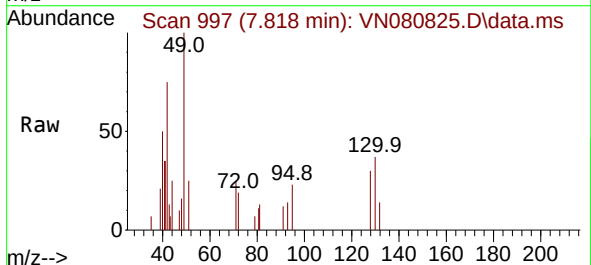
Manual Integrations
 APPROVED

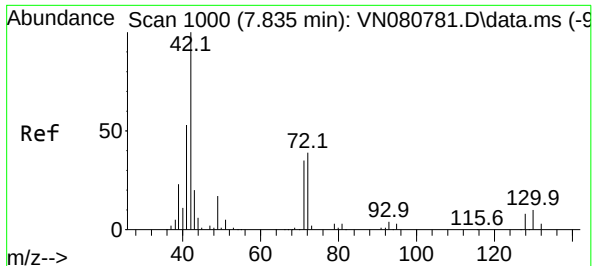
Reviewed By :John Carlone 01/31/2024
 Supervised By :Semsettin Yesilyurt 01/31/2024



#28
 Bromochloromethane
 Concen: 2.811 ug/l
 RT: 7.818 min Scan# 997
 Delta R.T. 0.006 min
 Lab File: VN080825.D
 Acq: 30 Jan 2024 19:34

Tgt Ion: 49 Resp: 4886
 Ion Ratio Lower Upper
 49 100
 129 0.0 0.0 1.6
 130 47.0 42.3 63.5





#29

Tetrahydrofuran

Concen: 14.089 ug/l

RT: 7.841 min Scan# 1000

Delta R.T. 0.006 min

Lab File: VN080825.D

Acq: 30 Jan 2024 19:34

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT1-2024

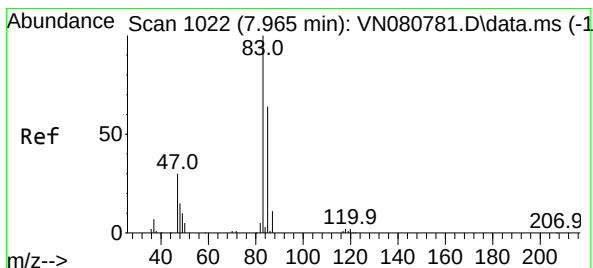
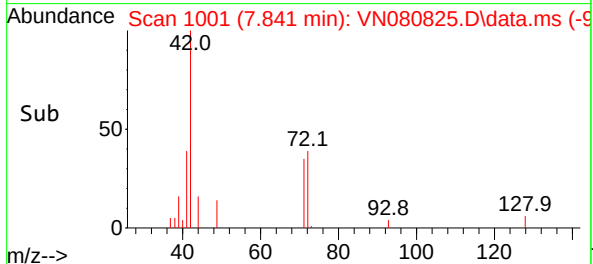
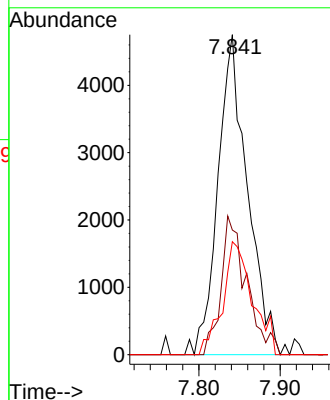
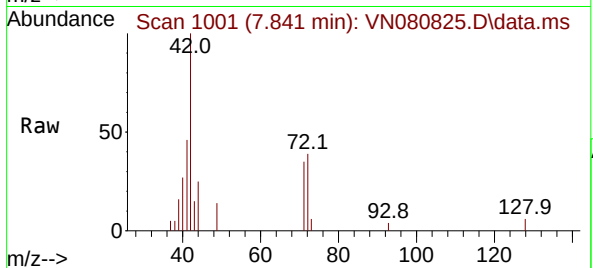
Tgt Ion: 42	Resp: 12010
Ion Ratio	Lower Upper
42	100
72	37.5 31.1 46.7
71	35.7 28.3 42.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/31/2024

Supervised By :Semsettin Yesilyurt 01/31/2024



#30

Chloroform

Concen: 2.857 ug/l

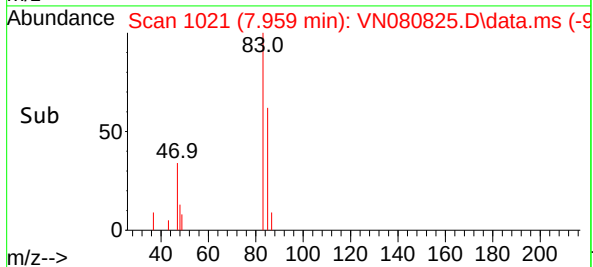
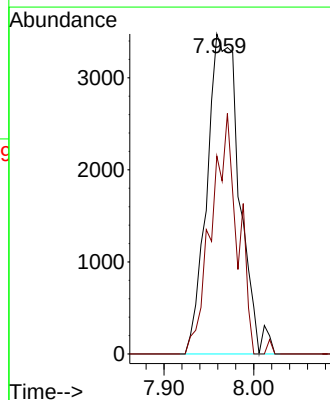
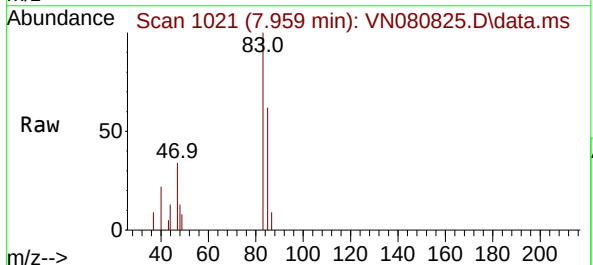
RT: 7.959 min Scan# 1021

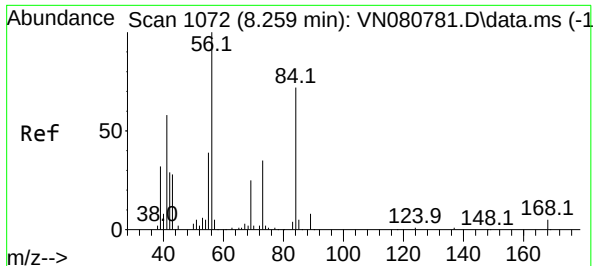
Delta R.T. -0.006 min

Lab File: VN080825.D

Acq: 30 Jan 2024 19:34

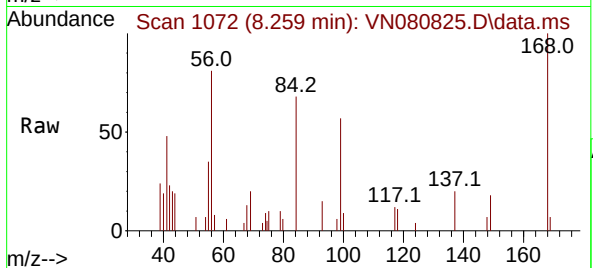
Tgt Ion: 83	Resp: 8715
Ion Ratio	Lower Upper
83	100
85	61.9 51.0 76.6





#31
Cyclohexane
Concen: 3.575 ug/l
RT: 8.259 min Scan# 1072
Delta R.T. -0.000 min
Lab File: VN080825.D
Acq: 30 Jan 2024 19:34

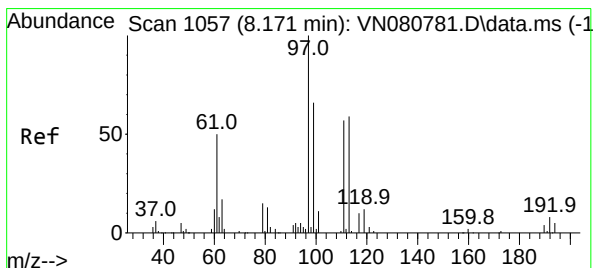
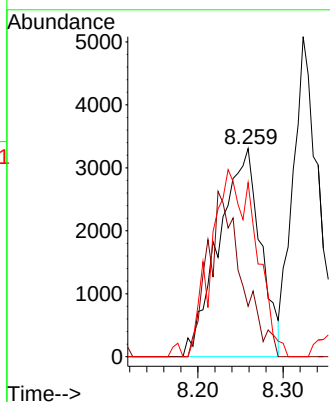
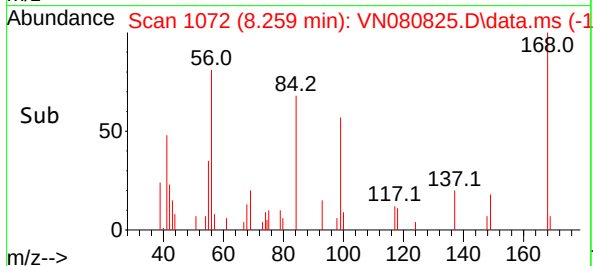
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT1-2024



Tgt Ion: 56 Resp: 11210
Ion Ratio Lower Upper
56 100
69 24.2 20.1 30.1
84 77.1 56.9 85.3

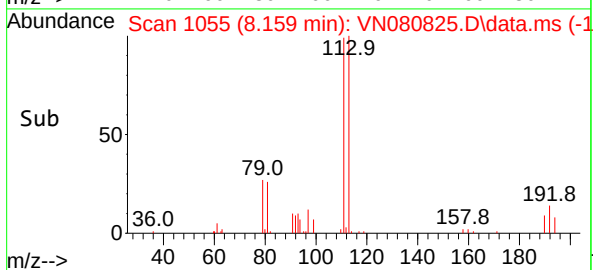
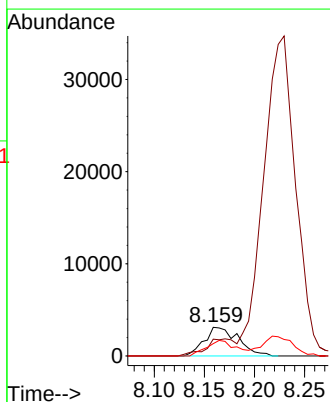
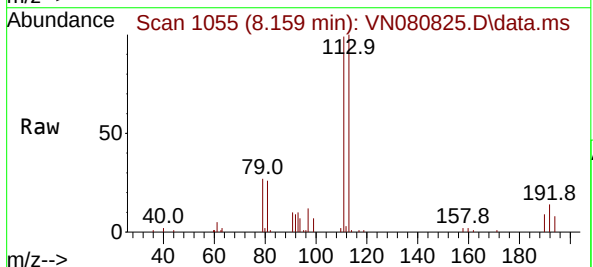
Manual Integrations
APPROVED

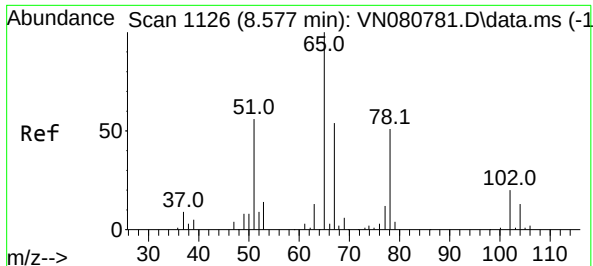
Reviewed By :John Carlone 01/31/2024
Supervised By :Semsettin Yesilyurt 01/31/2024



#32
1,1,1-Trichloroethane
Concen: 2.973 ug/l
RT: 8.159 min Scan# 1055
Delta R.T. -0.012 min
Lab File: VN080825.D
Acq: 30 Jan 2024 19:34

Tgt Ion: 97 Resp: 7355
Ion Ratio Lower Upper
97 100
99 51.9 53.4 80.0#
61 47.4 43.8 65.8





#33

1,2-Dichloroethane-d4

Concen: 54.598 ug/l

RT: 8.582 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VN080825.D

Acq: 30 Jan 2024 19:34

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT1-2024

Tgt Ion: 65 Resp: 99894

Ion Ratio Lower Upper

65 100

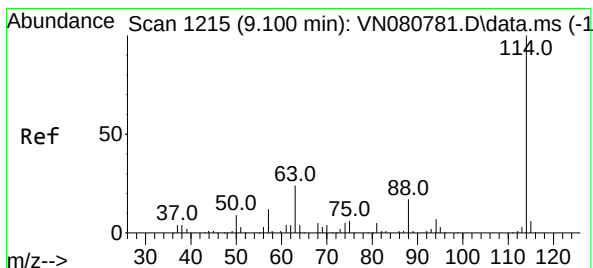
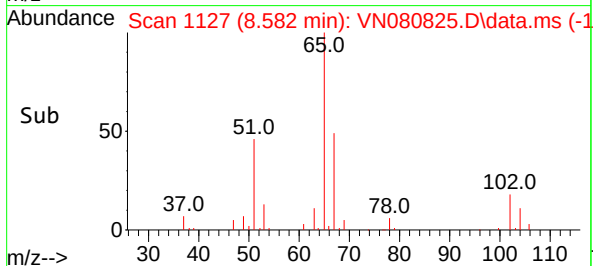
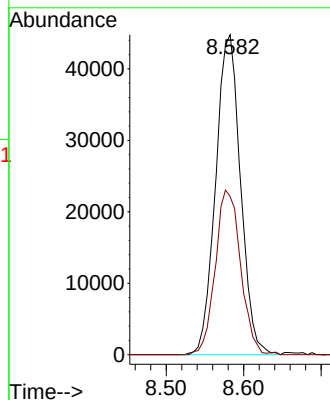
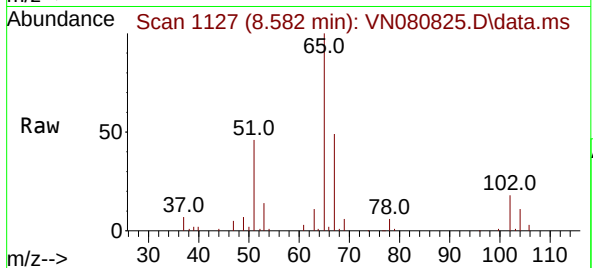
67 52.4 0.0 102.4

Manual Integrations

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Reviewed By :John Carlone 01/31/2024

Supervised By :Semsettin Yesilyurt 01/31/2024



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. 0.006 min

Lab File: VN080825.D

Acq: 30 Jan 2024 19:34

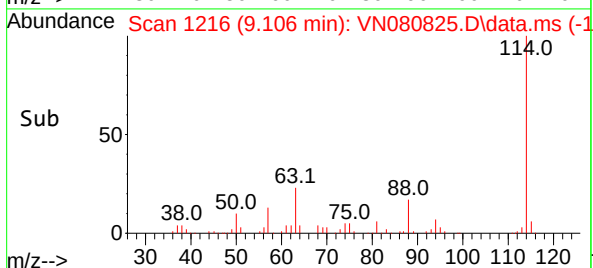
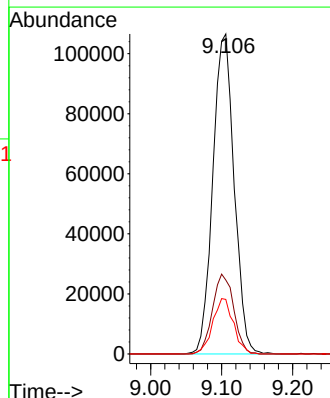
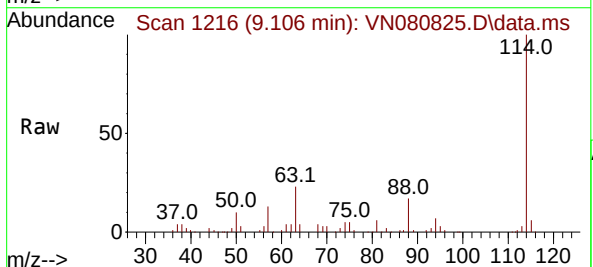
Tgt Ion:114 Resp: 221623

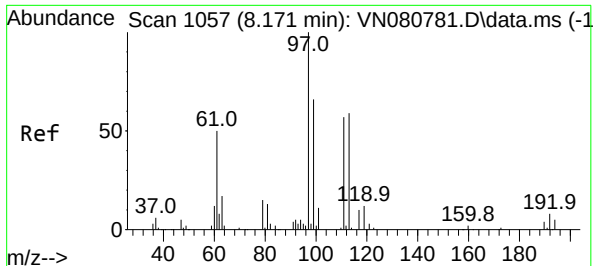
Ion Ratio Lower Upper

114 100

63 23.1 0.0 48.0

88 17.1 0.0 34.8





#35

Dibromofluoromethane

Concen: 49.797 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.006 min

Lab File: VN080825.D

Acq: 30 Jan 2024 19:34

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT1-2024

Tgt Ion: 113 Resp: 67519

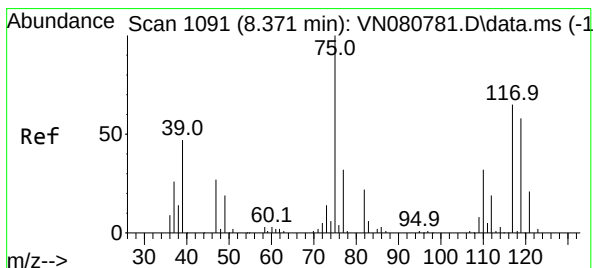
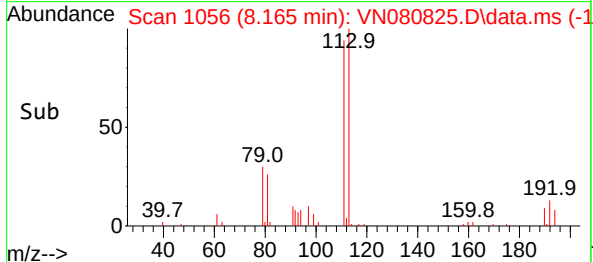
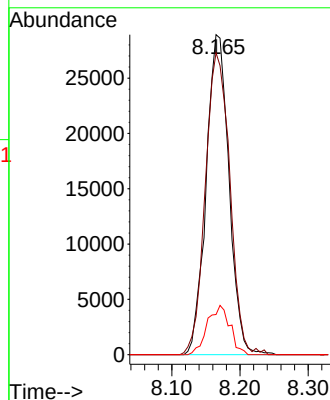
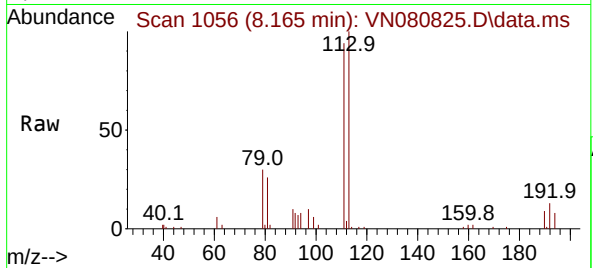
Ion	Ratio	Lower	Upper
113	100		
111	101.1	82.2	123.4
192	15.2	12.5	18.7

Manual Integrations

APPROVED

Reviewed By : John Carlone 01/31/2024

Supervised By : Semsettin Yesilyurt 01/31/2024



#36

1,1-Dichloropropene

Concen: 2.435 ug/l

RT: 8.377 min Scan# 1092

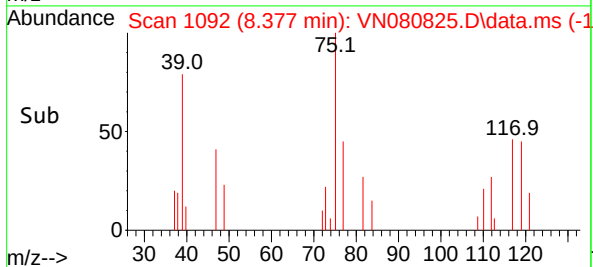
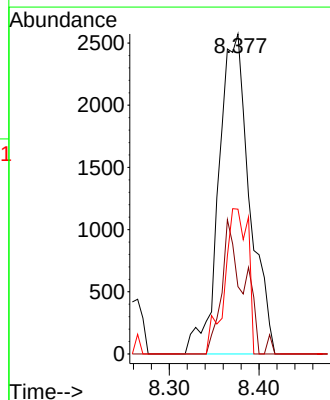
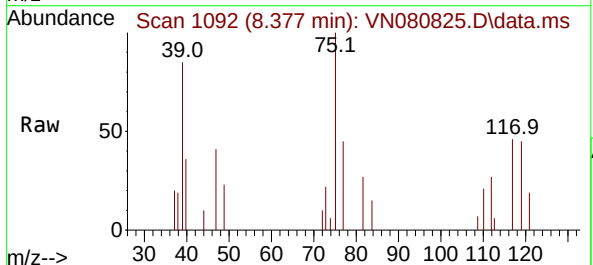
Delta R.T. 0.006 min

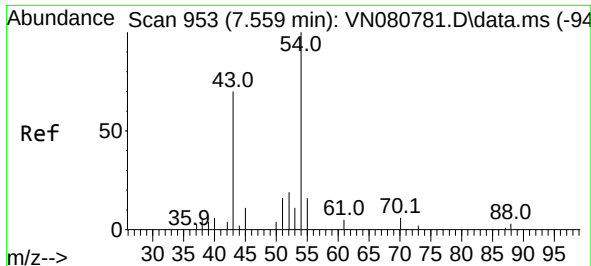
Lab File: VN080825.D

Acq: 30 Jan 2024 19:34

Tgt Ion: 75 Resp: 6136

Ion	Ratio	Lower	Upper
75	100		
110	29.2	16.0	48.0
77	34.4	25.8	38.6





#37

Ethyl Acetate

Concen: 2.930 ug/l

RT: 7.565 min Scan# 91

Delta R.T. 0.006 min

Lab File: VN080825.D

Acq: 30 Jan 2024 19:34

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT1-2024

Tgt Ion: 43 Resp: 7602

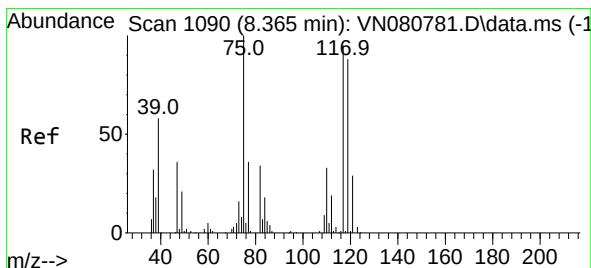
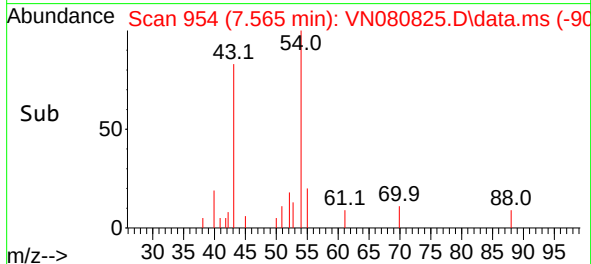
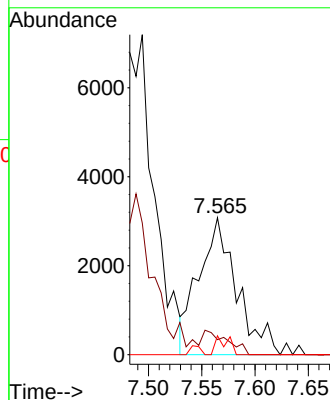
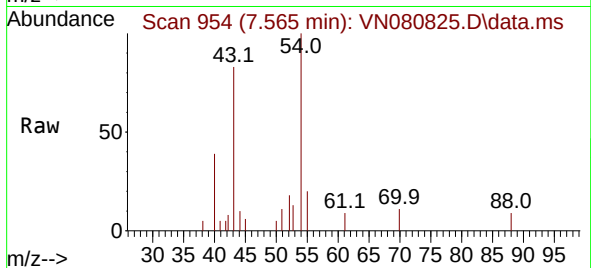
Ion	Ratio	Lower	Upper
43	100		
61	11.5	10.6	15.8
70	4.7	8.0	12.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/31/2024

Supervised By :Semsettin Yesilyurt 01/31/2024



#38

Carbon Tetrachloride

Concen: 2.734 ug/l

RT: 8.365 min Scan# 1090

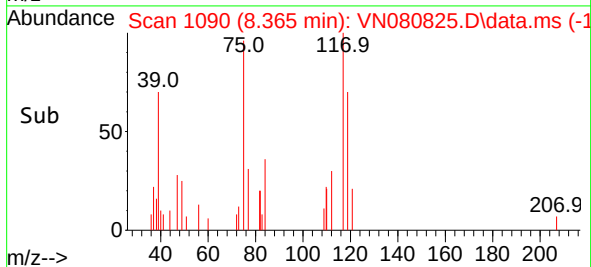
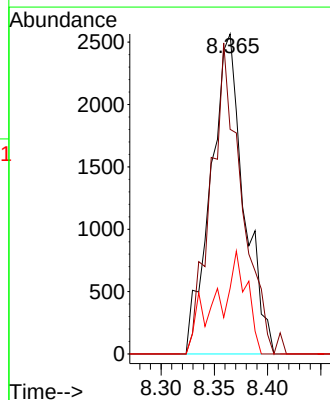
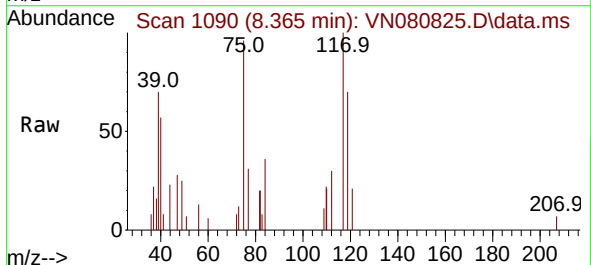
Delta R.T. -0.000 min

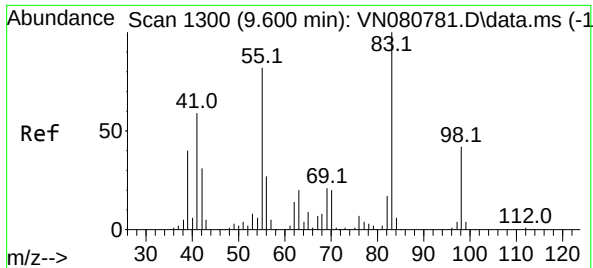
Lab File: VN080825.D

Acq: 30 Jan 2024 19:34

Tgt Ion:117 Resp: 5552

Ion	Ratio	Lower	Upper
117	100		
119	70.2	73.4	110.2#
121	20.5	24.4	36.6#





#39

Methylcyclohexane

Concen: 2.674 ug/l

RT: 9.600 min Scan# 1130

Delta R.T. -0.000 min

Lab File: VN080825.D

Acq: 30 Jan 2024 19:34

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT1-2024

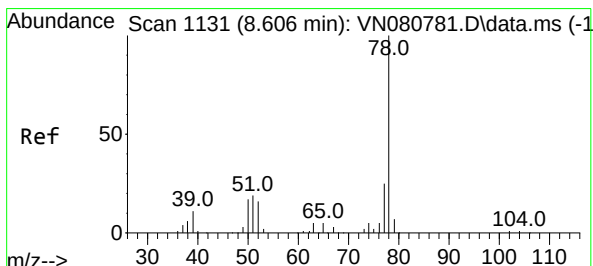
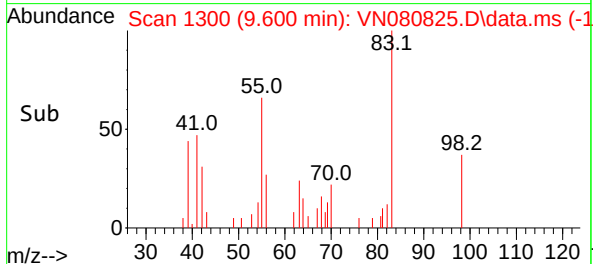
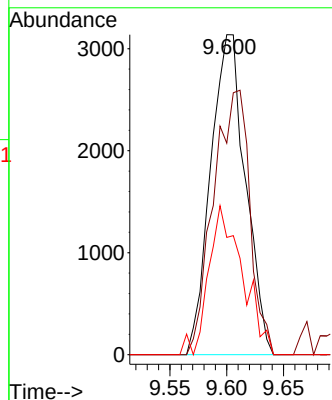
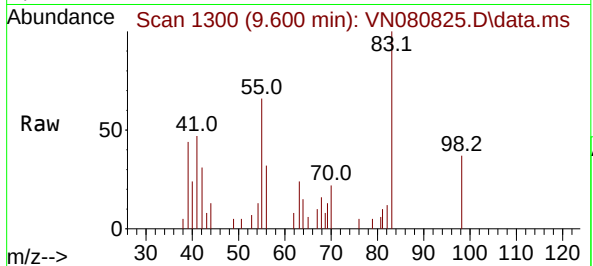
Tgt Ion: 83	Resp: 6698
Ion Ratio	Lower Upper
83 100	
55 66.1	65.7 98.5
98 36.6	33.8 50.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/31/2024

Supervised By :Semsettin Yesilyurt 01/31/2024



#40

Benzene

Concen: 2.657 ug/l

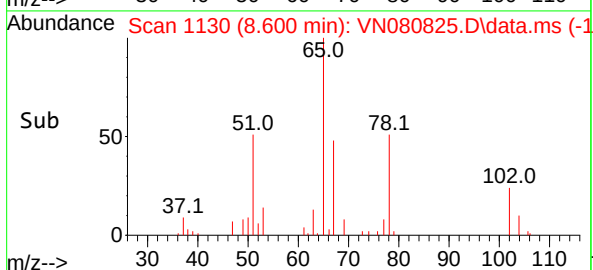
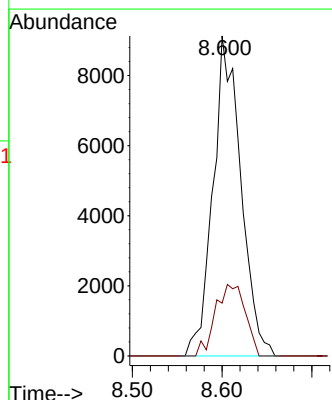
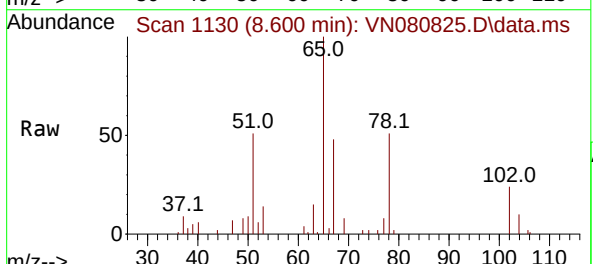
RT: 8.600 min Scan# 1130

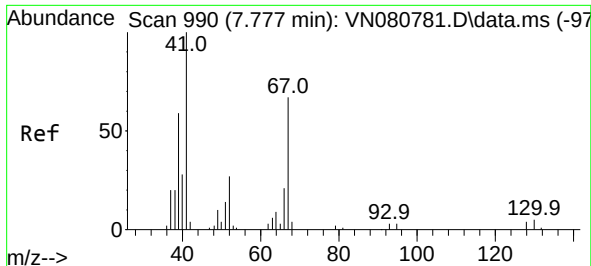
Delta R.T. -0.006 min

Lab File: VN080825.D

Acq: 30 Jan 2024 19:34

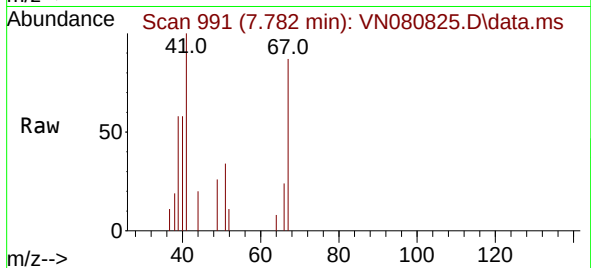
Tgt Ion: 78	Resp: 19682
Ion Ratio	Lower Upper
78 100	
77 16.5	20.4 30.6





#41
Methacrylonitrile
Concen: 2.919 ug/l
RT: 7.782 min Scan# 991
Delta R.T. 0.006 min
Lab File: VN080825.D
Acq: 30 Jan 2024 19:34

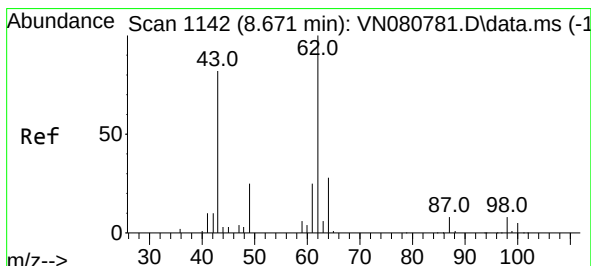
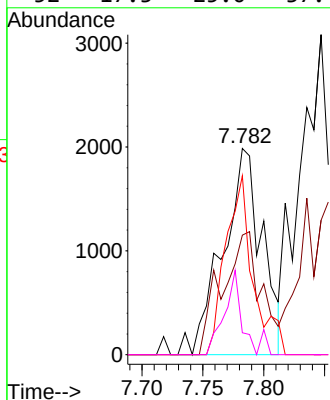
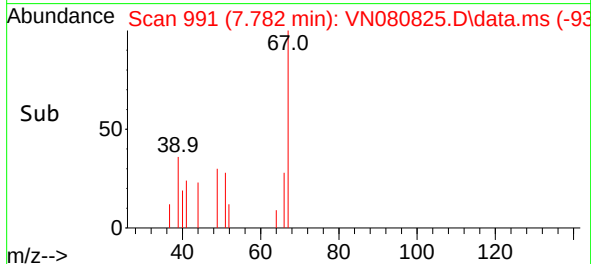
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT1-2024



Tgt Ion: 41 Resp: 446
Ion Ratio Lower Upper
41 100
39 59.1 48.4 72.6
67 60.7 56.8 85.2
52 17.3 25.0 37.4#

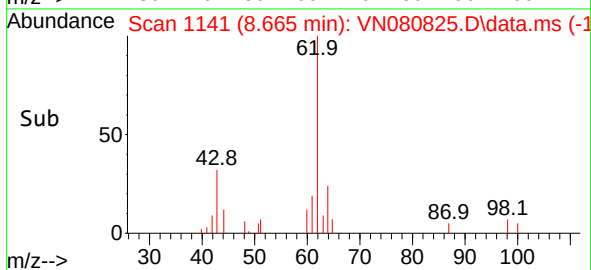
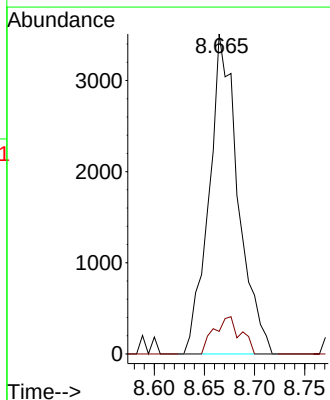
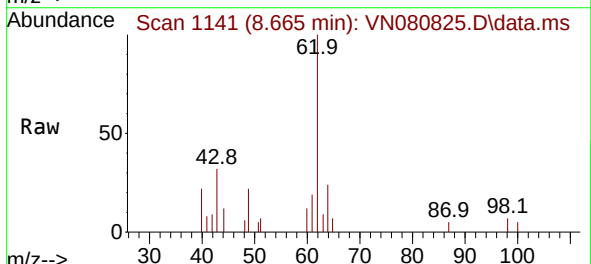
Manual Integrations
APPROVED

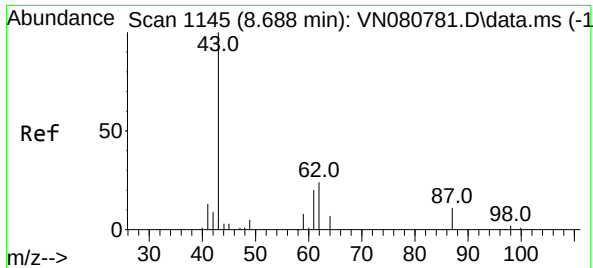
Reviewed By :John Carlone 01/31/2024
Supervised By :Semsettin Yesilyurt 01/31/2024



#42
1,2-Dichloroethane
Concen: 2.942 ug/l
RT: 8.665 min Scan# 1141
Delta R.T. -0.006 min
Lab File: VN080825.D
Acq: 30 Jan 2024 19:34

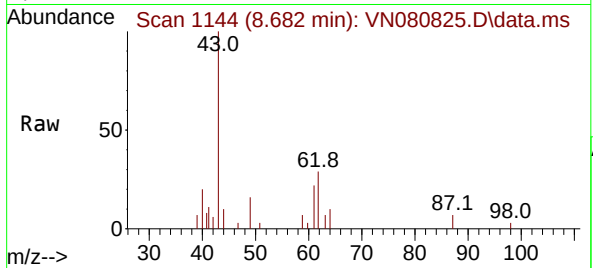
Tgt Ion: 62 Resp: 7099
Ion Ratio Lower Upper
62 100
98 10.6 0.0 18.0





#43
Isopropyl Acetate
Concen: 2.507 ug/l
RT: 8.682 min Scan# 1144
Delta R.T. -0.006 min
Lab File: VN080825.D
Acq: 30 Jan 2024 19:34

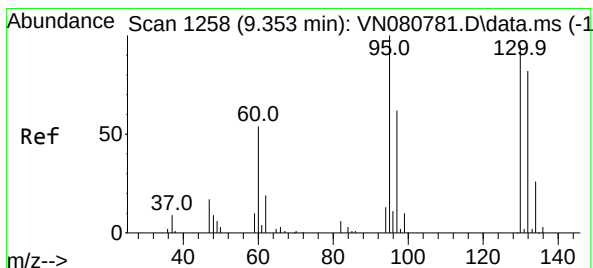
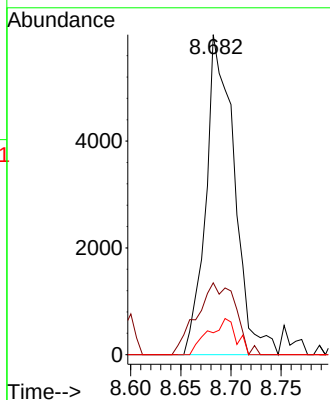
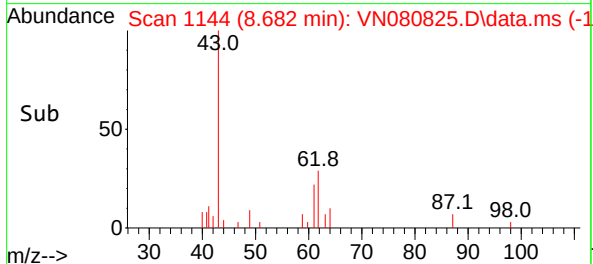
Instrument : MSVOA_N
ClientSampleId : MDL-WATER-03-QT1-2024



Tgt Ion: 43 Resp: 1184
Ion Ratio Lower Upper
43 100
61 30.4 19.9 29.9
87 11.0 9.0 13.6

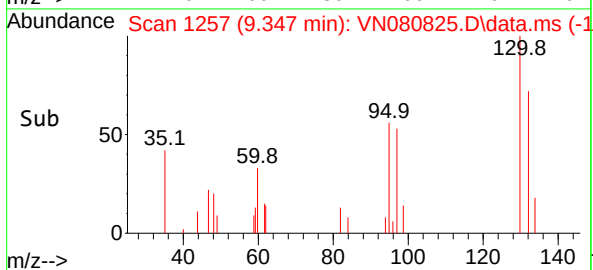
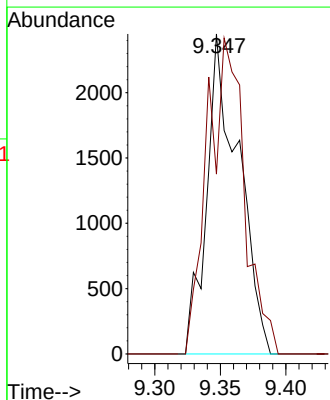
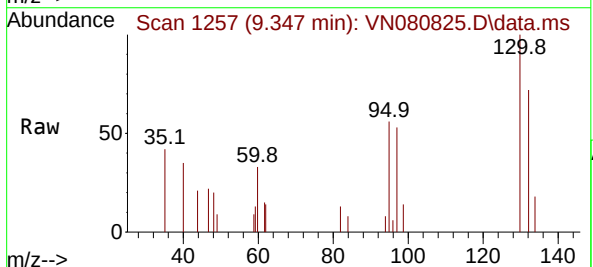
Manual Integrations
APPROVED

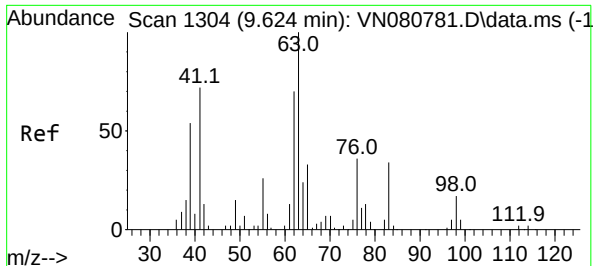
Reviewed By :John Carlone 01/31/2024
Supervised By :Semsettin Yesilyurt 01/31/2024



#44
Trichloroethene
Concen: 2.543 ug/l
RT: 9.347 min Scan# 1257
Delta R.T. -0.006 min
Lab File: VN080825.D
Acq: 30 Jan 2024 19:34

Tgt Ion:130 Resp: 4148
Ion Ratio Lower Upper
130 100
95 56.2 0.0 210.4





#45

1,2-Dichloropropane

Concen: 2.988 ug/l

RT: 9.623 min Scan# 1304

Delta R.T. -0.000 min

Lab File: VN080825.D

Acq: 30 Jan 2024 19:34

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT1-2024

Tgt Ion: 63 Resp: 598

Ion Ratio Lower Upper

63 100

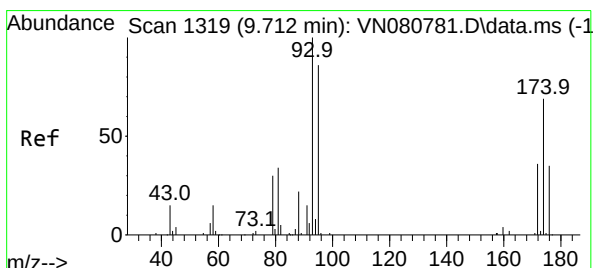
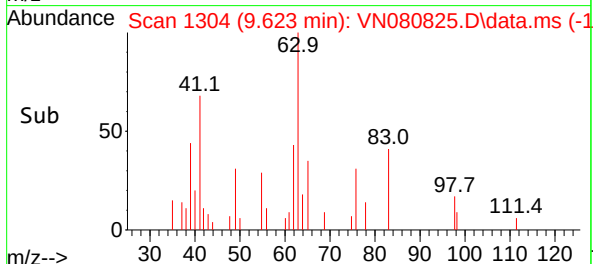
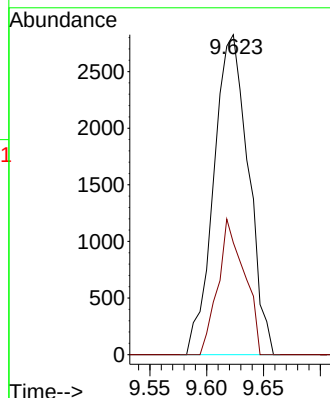
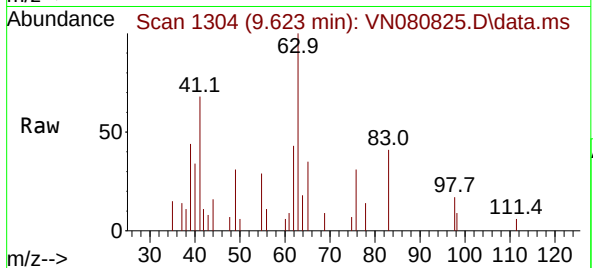
65 35.0 26.1 39.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/31/2024

Supervised By :Semsettin Yesilyurt 01/31/2024



#46

Dibromomethane

Concen: 2.737 ug/l

RT: 9.706 min Scan# 1318

Delta R.T. -0.006 min

Lab File: VN080825.D

Acq: 30 Jan 2024 19:34

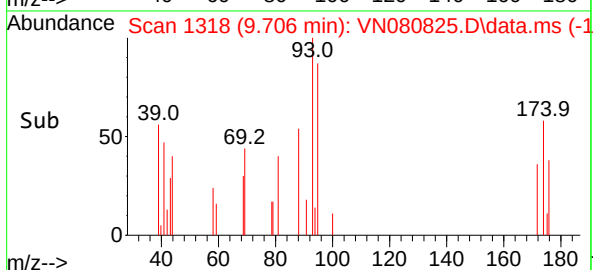
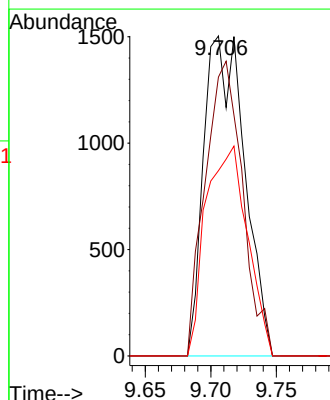
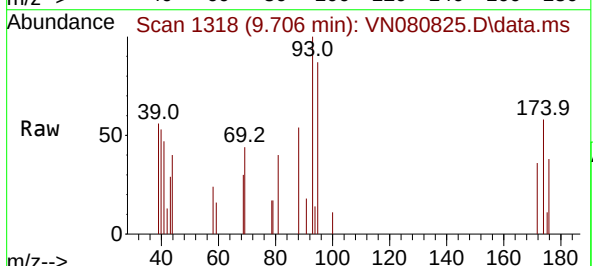
Tgt Ion: 93 Resp: 3252

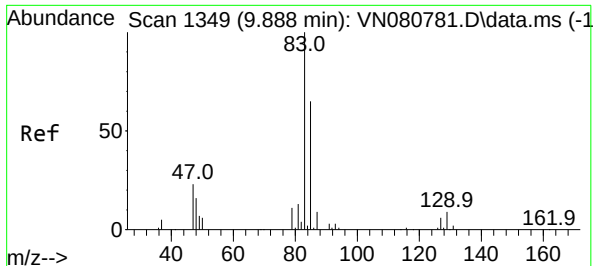
Ion Ratio Lower Upper

93 100

95 84.6 68.1 102.1

174 67.0 57.2 85.8





#47

Bromodichloromethane

Concen: 2.509 ug/l

RT: 9.894 min Scan# 1350

Delta R.T. 0.006 min

Lab File: VN080825.D

Acq: 30 Jan 2024 19:34

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT1-2024

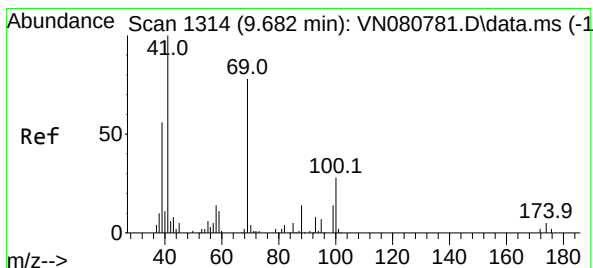
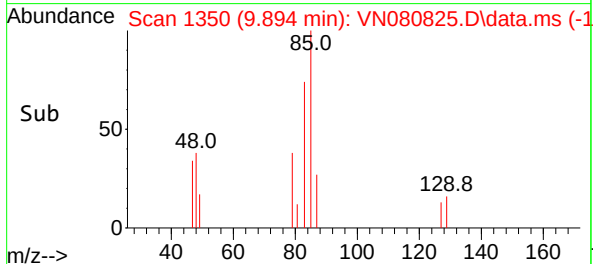
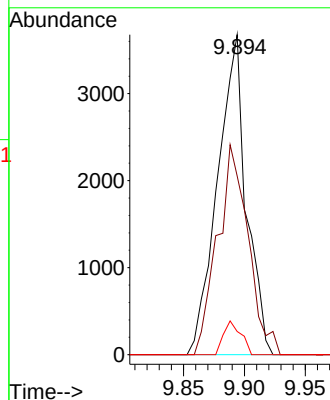
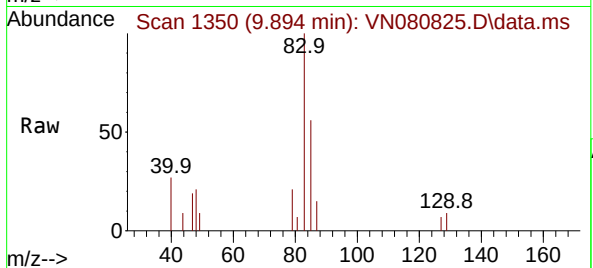
Tgt Ion:	83	Resp:	6054
Ion	Ratio	Lower	Upper
83	100		
85	55.9	52.3	78.5
127	7.2	4.6	7.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/31/2024

Supervised By :Semsettin Yesilyurt 01/31/2024



#48

Methyl methacrylate

Concen: 2.974 ug/l

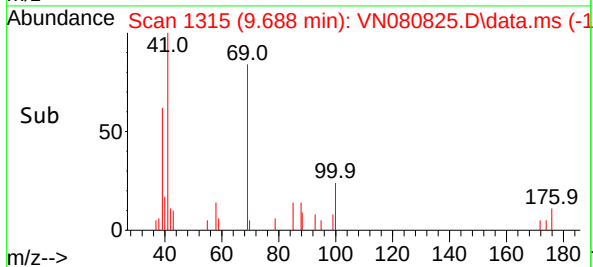
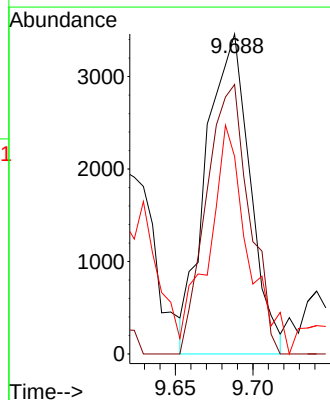
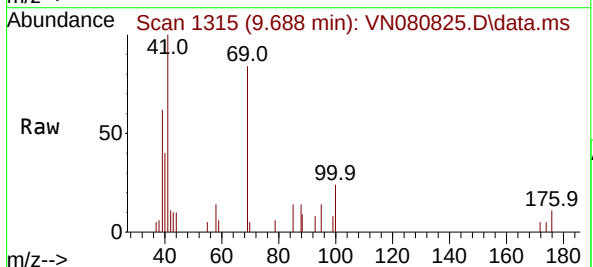
RT: 9.688 min Scan# 1315

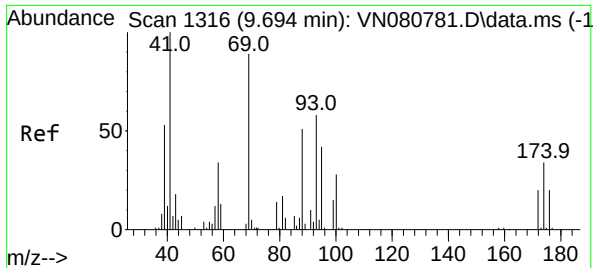
Delta R.T. 0.006 min

Lab File: VN080825.D

Acq: 30 Jan 2024 19:34

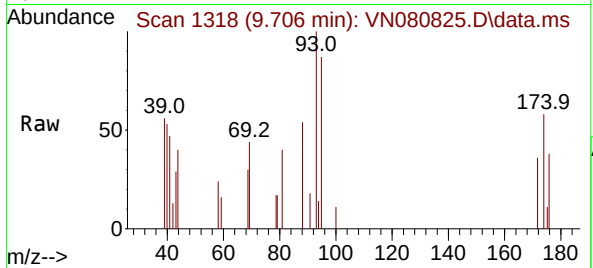
Tgt Ion:	41	Resp:	6810
Ion	Ratio	Lower	Upper
41	100		
69	82.6	62.2	93.2
39	63.6	47.6	71.4





#49
1,4-Dioxane
Concen: 61.380 ug/l m
RT: 9.706 min Scan# 1
Delta R.T. 0.012 min
Lab File: VN080825.D
Acq: 30 Jan 2024 19:34

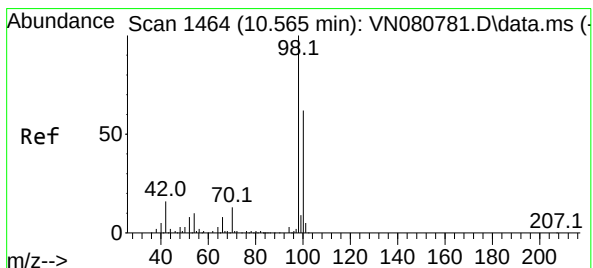
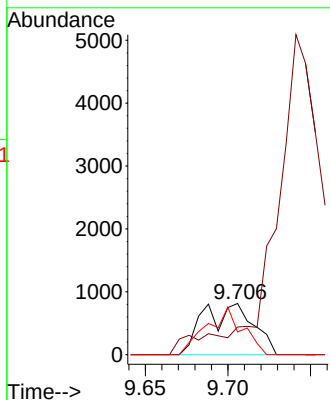
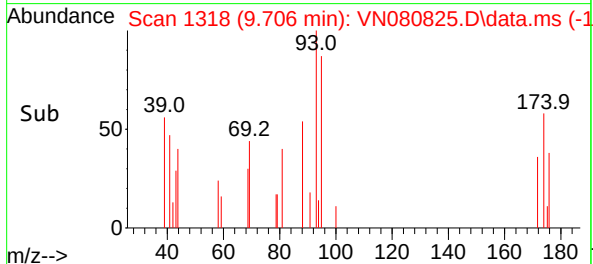
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT1-2024



Tgt Ion: 88 Resp: 169
Ion Ratio Lower Upper
88 100
43 0.0 30.1 45.1
58 66.9 63.9 95.9

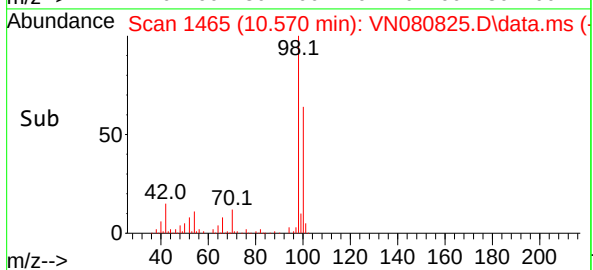
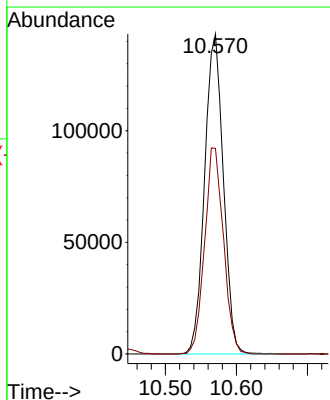
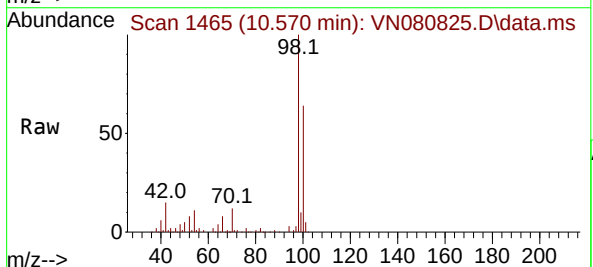
Manual Integrations
APPROVED

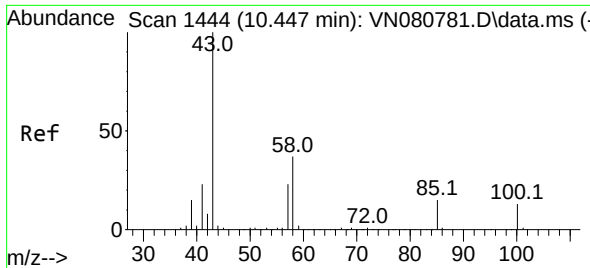
Reviewed By :John Carlone 01/31/2024
Supervised By :Semsettin Yesilyurt 01/31/2024



#50
Toluene-d8
Concen: 49.479 ug/l
RT: 10.570 min Scan# 1465
Delta R.T. 0.006 min
Lab File: VN080825.D
Acq: 30 Jan 2024 19:34

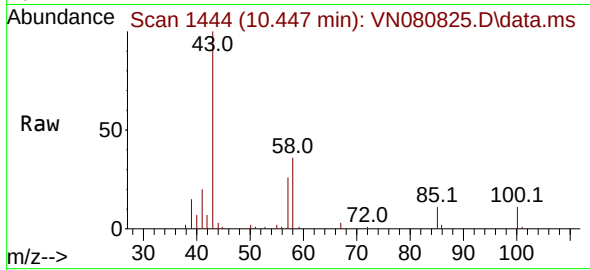
Tgt Ion: 98 Resp: 262581
Ion Ratio Lower Upper
98 100
100 65.0 51.4 77.0





#51
4-Methyl-2-Pentanone
Concen: 12.897 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. -0.000 min
Lab File: VN080825.D
Acq: 30 Jan 2024 19:34

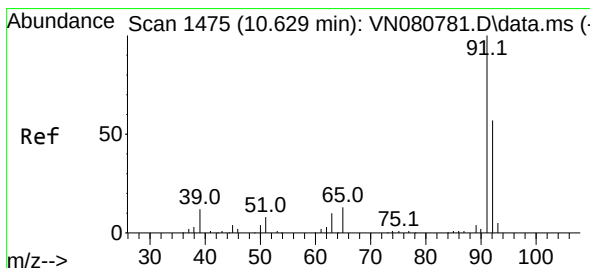
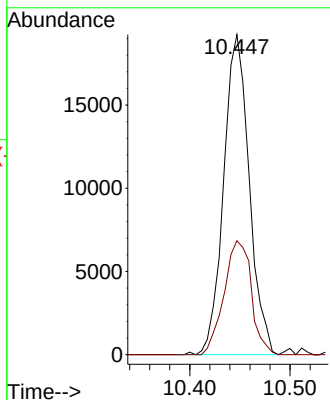
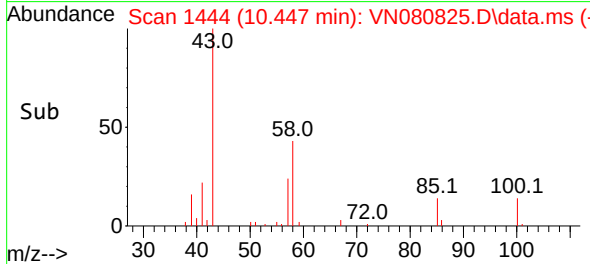
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT1-2024



Tgt Ion: 43 Resp: 34054
Ion Ratio Lower Upper
43 100
58 38.0 29.4 44.0

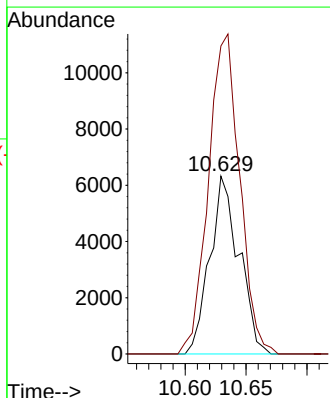
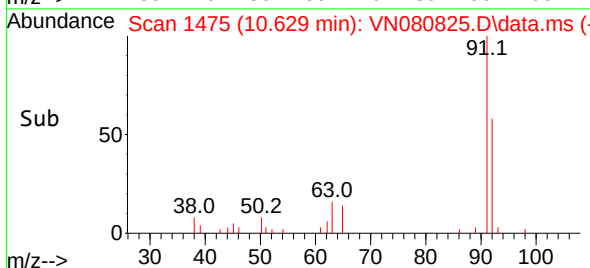
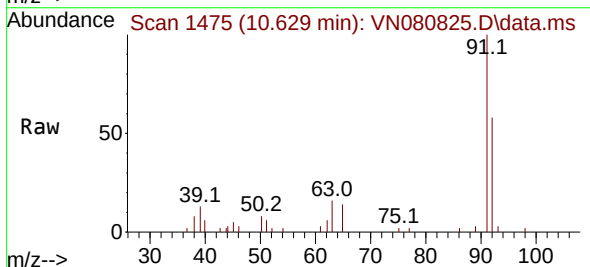
Manual Integrations
APPROVED

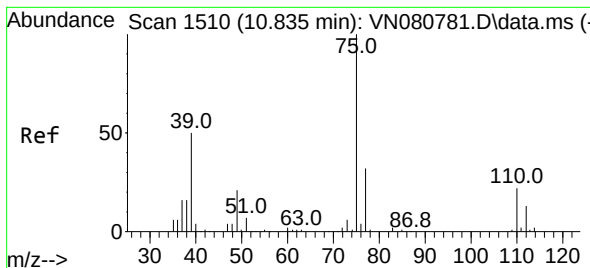
Reviewed By :John Carlone 01/31/2024
Supervised By :Semsettin Yesilyurt 01/31/2024



#52
Toluene
Concen: 2.497 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VN080825.D
Acq: 30 Jan 2024 19:34

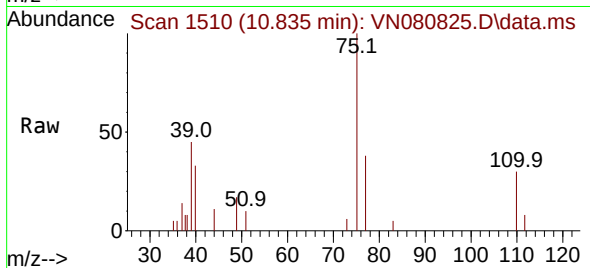
Tgt Ion: 92 Resp: 10606
Ion Ratio Lower Upper
92 100
91 192.0 139.4 209.0





#53
t-1,3-Dichloropropene
Concen: 2.296 ug/l
RT: 10.835 min Scan# 1510
Delta R.T. -0.000 min
Lab File: VN080825.D
Acq: 30 Jan 2024 19:34

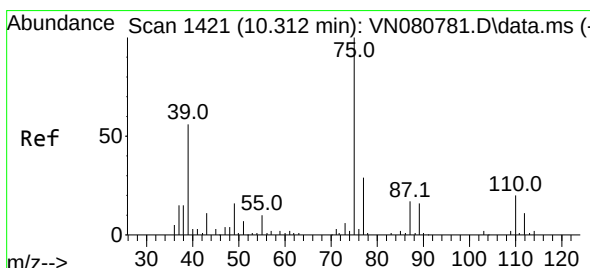
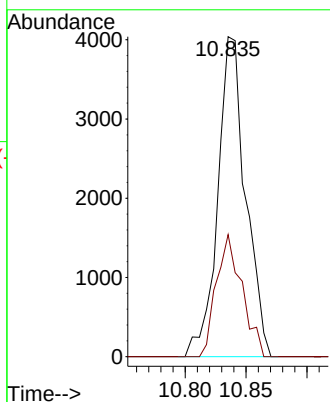
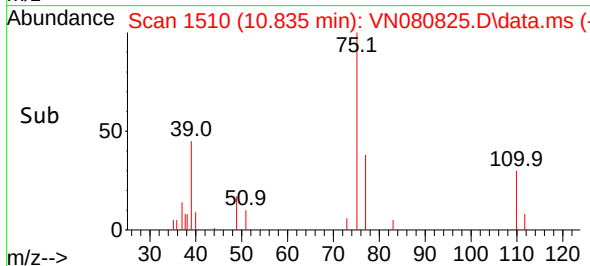
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT1-2024



Tgt Ion: 75 Resp: 645
Ion Ratio Lower Upper
75 100
77 38.2 25.5 38.3

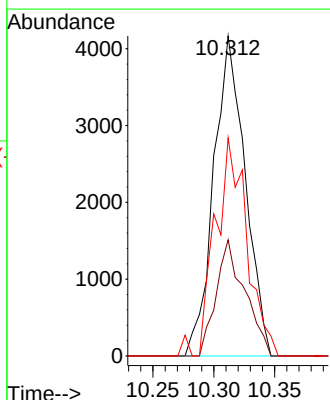
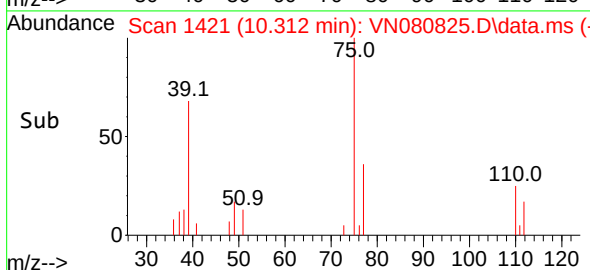
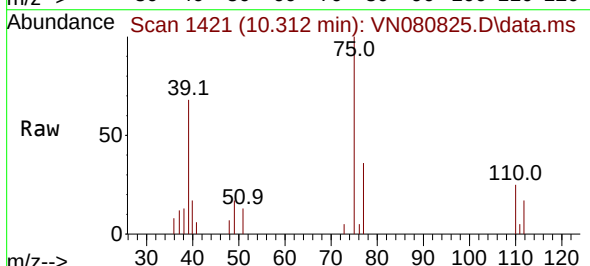
Manual Integrations
APPROVED

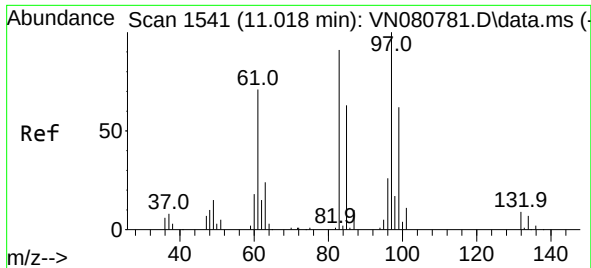
Reviewed By :John Carlone 01/31/2024
Supervised By :Semsettin Yesilyurt 01/31/2024



#54
cis-1,3-Dichloropropene
Concen: 2.456 ug/l
RT: 10.312 min Scan# 1421
Delta R.T. -0.000 min
Lab File: VN080825.D
Acq: 30 Jan 2024 19:34

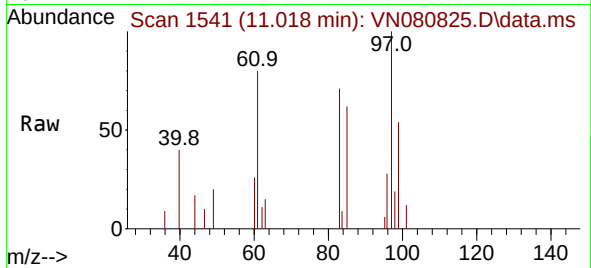
Tgt Ion: 75 Resp: 7507
Ion Ratio Lower Upper
75 100
77 36.3 23.3 34.9#
39 68.2 44.6 66.8#





#55
1,1,2-Trichloroethane
Concen: 2.973 ug/l
RT: 11.018 min Scan# 1541
Delta R.T. -0.000 min
Lab File: VN080825.D
Acq: 30 Jan 2024 19:34

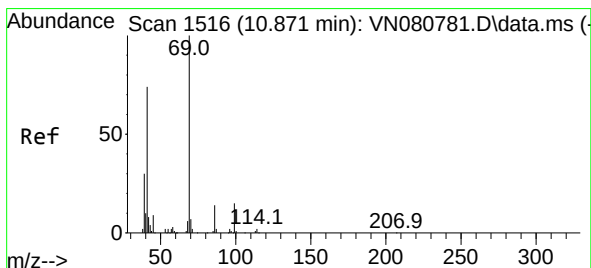
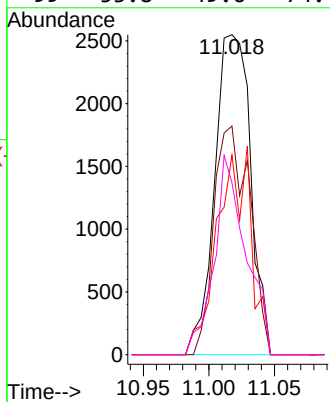
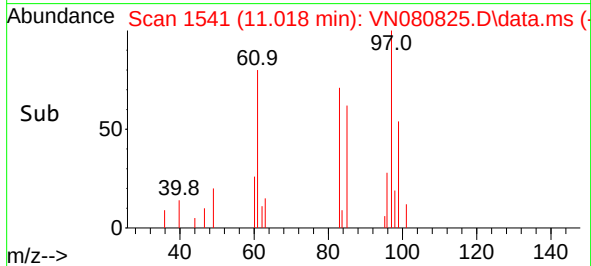
Instrument : MSVOA_N
ClientSampleId : MDL-WATER-03-QT1-2024



Tgt Ion:	97	Resp:	485
Ion	Ratio	Lower	Upper
97	100		
83	71.5	72.9	109.3
85	62.3	50.2	75.2
99	53.8	49.6	74.4

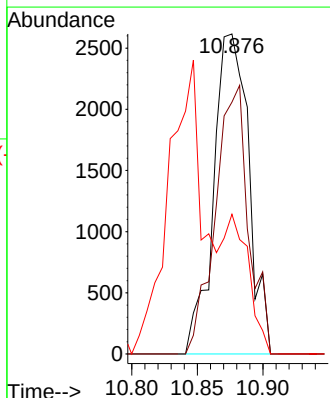
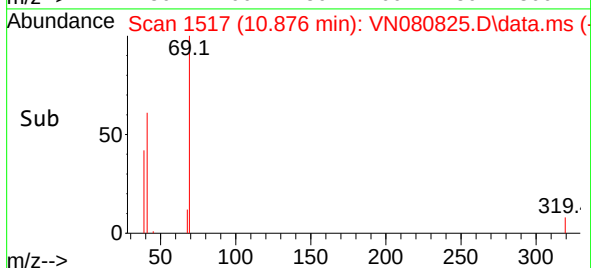
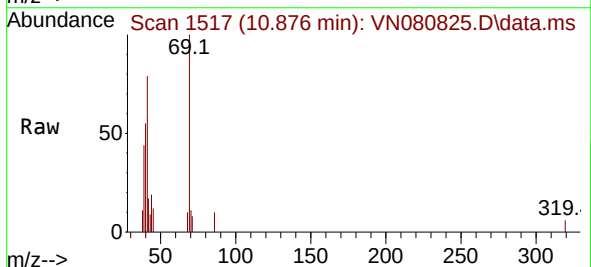
Manual Integrations
APPROVED

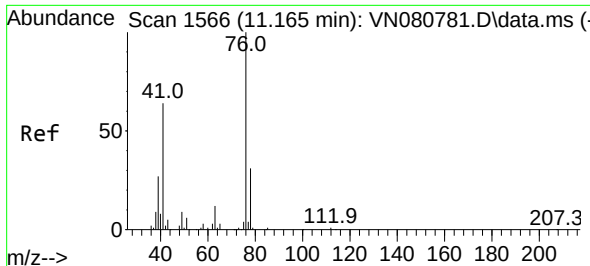
Reviewed By :John Carlone 01/31/2024
Supervised By :Semsettin Yesilyurt 01/31/2024



#56
Ethyl methacrylate
Concen: 1.941 ug/l
RT: 10.876 min Scan# 1517
Delta R.T. 0.005 min
Lab File: VN080825.D
Acq: 30 Jan 2024 19:34

Tgt Ion:	69	Resp:	4870
Ion	Ratio	Lower	Upper
69	100		
41	79.4	61.0	91.6
39	0.0	31.8	47.6





#57

1,3-Dichloropropane

Concen: 2.445 ug/l

RT: 11.165 min Scan# 1566

Delta R.T. -0.000 min

Lab File: VN080825.D

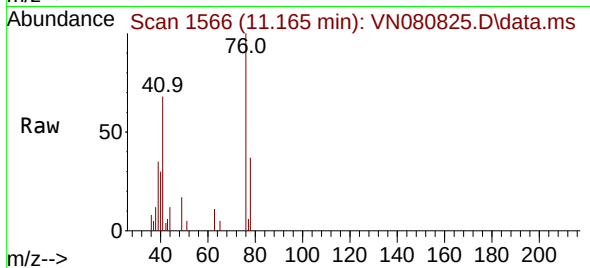
Acq: 30 Jan 2024 19:34

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT1-2024



Tgt Ion: 76 Resp: 7509

Ion Ratio Lower Upper

76 100

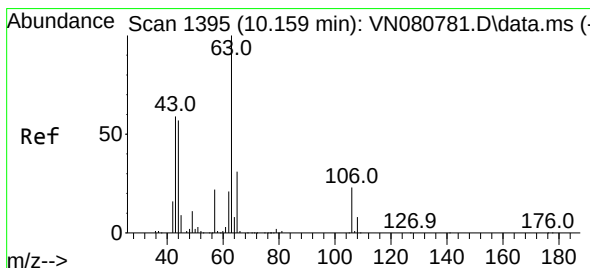
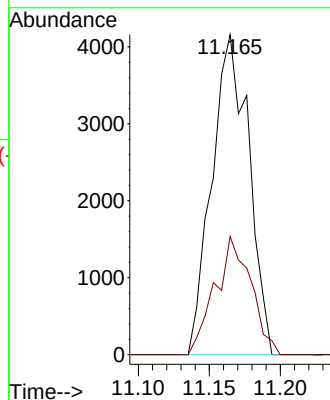
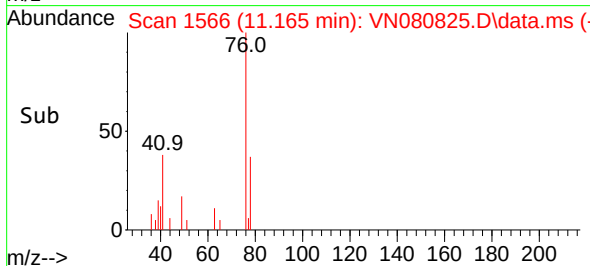
78 35.9 25.5 38.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/31/2024

Supervised By :Semsettin Yesilyurt 01/31/2024



#58

2-Chloroethyl Vinyl ether

Concen: 12.236 ug/l

RT: 10.159 min Scan# 1395

Delta R.T. -0.000 min

Lab File: VN080825.D

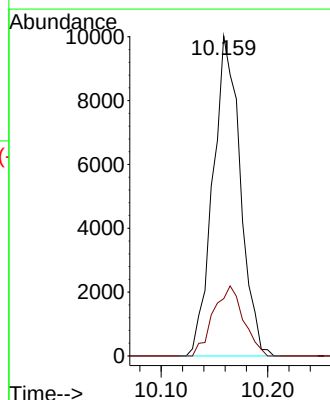
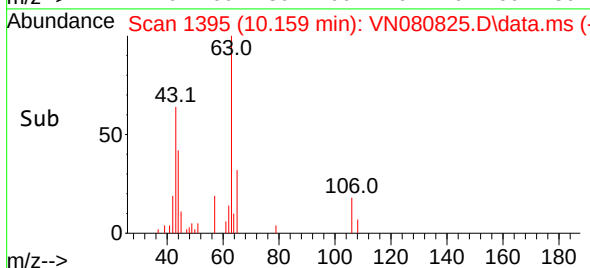
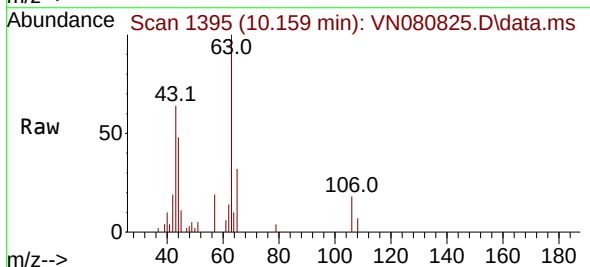
Acq: 30 Jan 2024 19:34

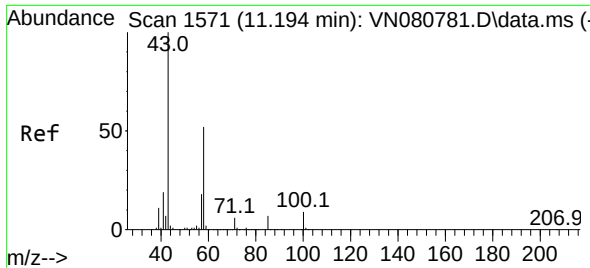
Tgt Ion: 63 Resp: 17897

Ion Ratio Lower Upper

63 100

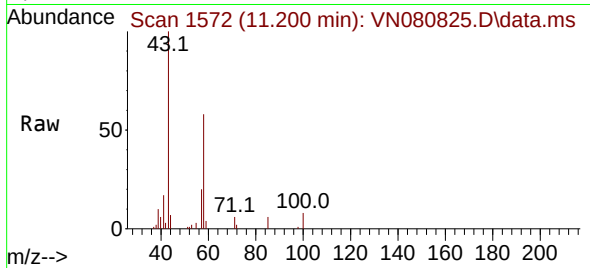
106 24.1 18.6 28.0





#59
2-Hexanone
Concen: 11.750 ug/l
RT: 11.200 min Scan# 1571
Delta R.T. 0.006 min
Lab File: VN080825.D
Acq: 30 Jan 2024 19:34

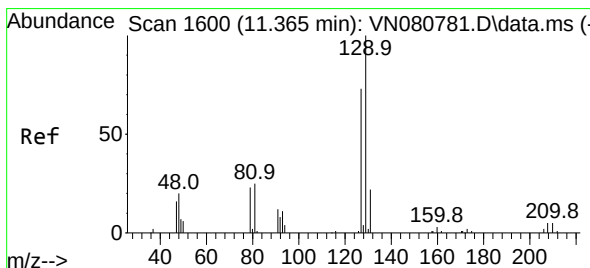
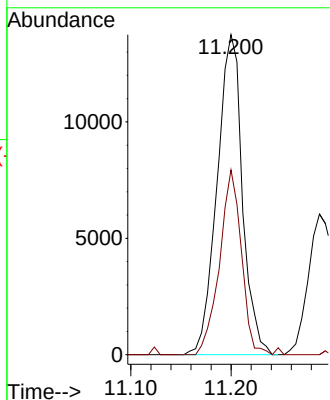
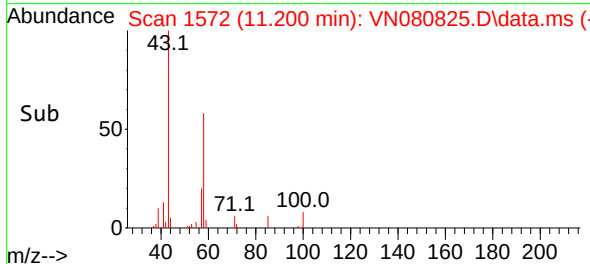
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT1-2024



Tgt Ion: 43 Resp: 24100
Ion Ratio Lower Upper
43 100
58 49.8 25.9 77.8

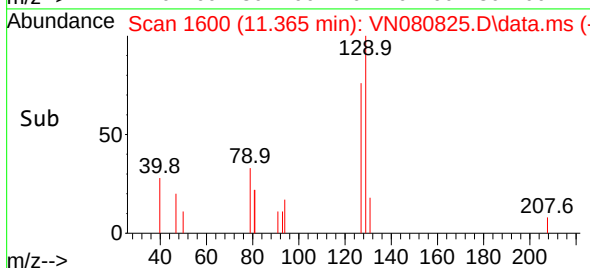
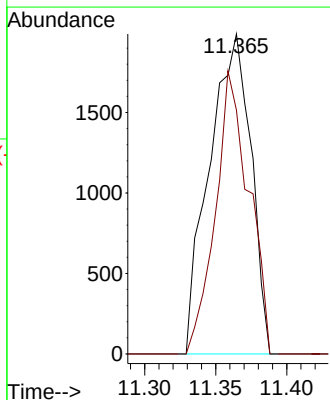
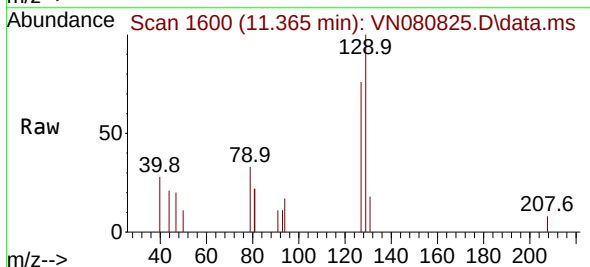
Manual Integrations
APPROVED

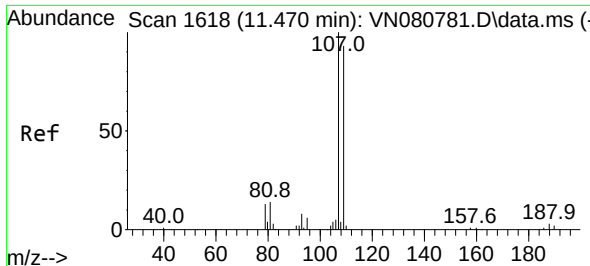
Reviewed By :John Carlone 01/31/2024
Supervised By :Semsettin Yesilyurt 01/31/2024



#60
Dibromochloromethane
Concen: 2.668 ug/l
RT: 11.365 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VN080825.D
Acq: 30 Jan 2024 19:34

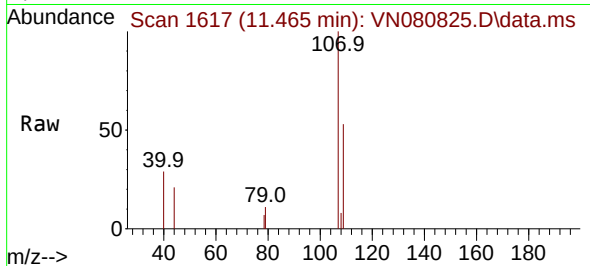
Tgt Ion:129 Resp: 4050
Ion Ratio Lower Upper
129 100
127 71.1 39.4 118.2





#61
1,2-Dibromoethane
Concen: 2.710 ug/l
RT: 11.465 min Scan# 1617
Delta R.T. -0.006 min
Lab File: VN080825.D
Acq: 30 Jan 2024 19:34

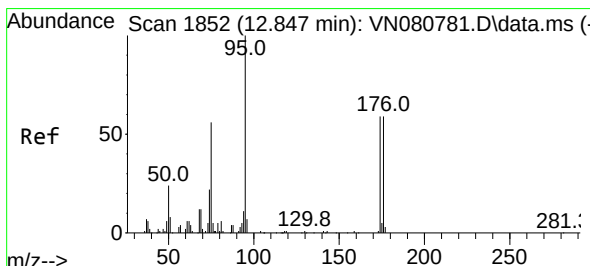
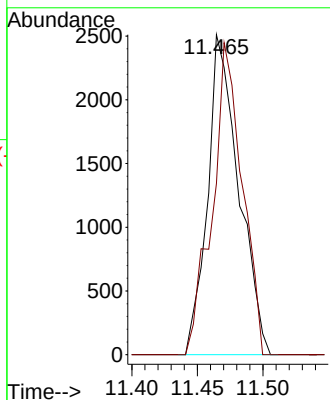
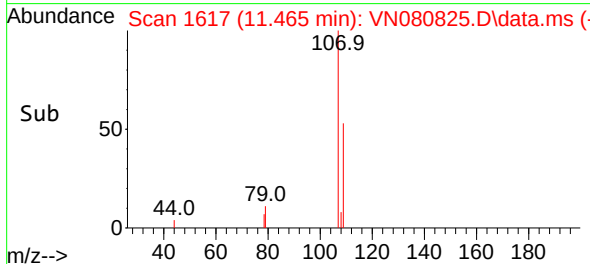
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT1-2024



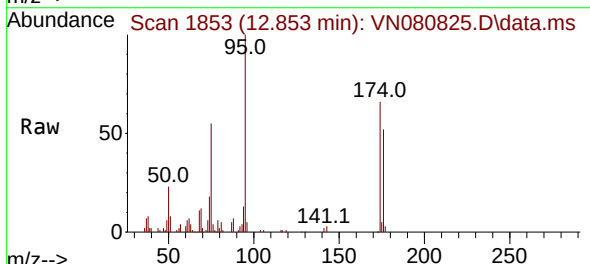
Tgt Ion:107 Resp: 4140
Ion Ratio Lower Upper
107 100
109 93.5 73.4 110.2

Manual Integrations
APPROVED

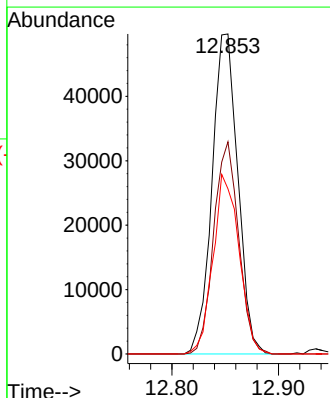
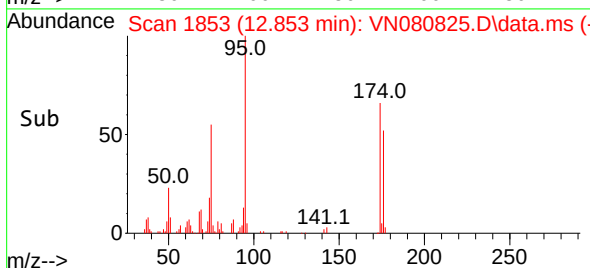
Reviewed By :John Carlone 01/31/2024
Supervised By :Semsettin Yesilyurt 01/31/2024

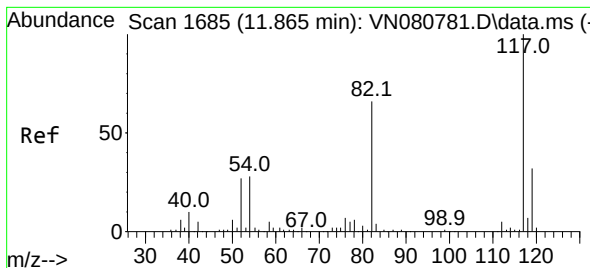


#62
4-Bromofluorobenzene
Concen: 45.227 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.006 min
Lab File: VN080825.D
Acq: 30 Jan 2024 19:34



Tgt Ion: 95 Resp: 83639
Ion Ratio Lower Upper
95 100
174 63.9 0.0 120.4
176 56.7 0.0 121.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.865 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN080825.D

Acq: 30 Jan 2024 19:34

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT1-2024

Tgt Ion:117 Resp: 184814

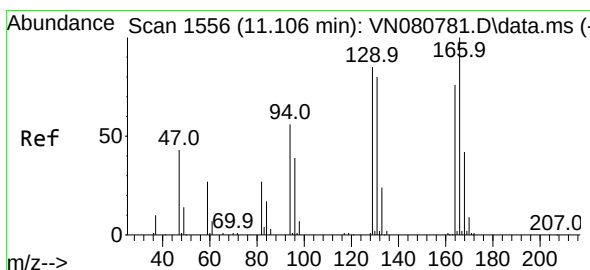
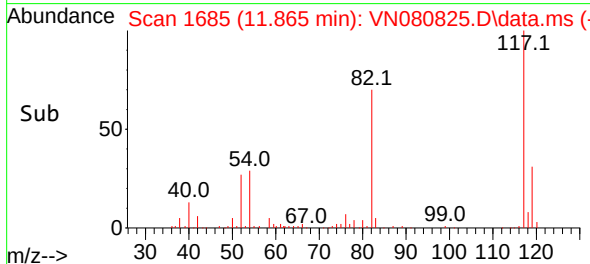
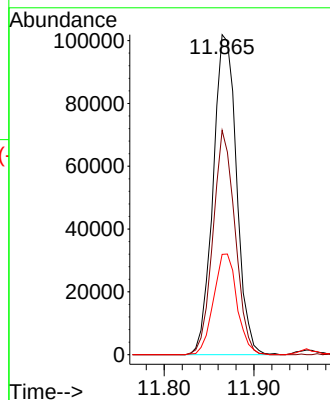
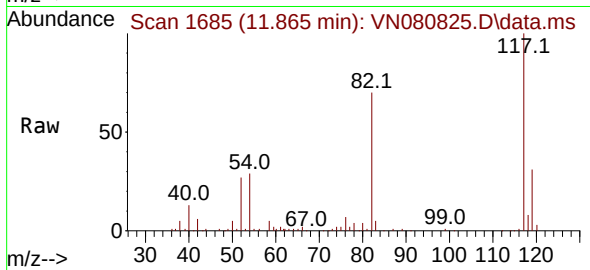
Ion	Ratio	Lower	Upper
117	100		
82	70.1	52.7	79.1
119	31.4	25.3	37.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/31/2024

Supervised By :Semsettin Yesilyurt 01/31/2024



#64

Tetrachloroethene

Concen: 2.477 ug/l

RT: 11.106 min Scan# 1556

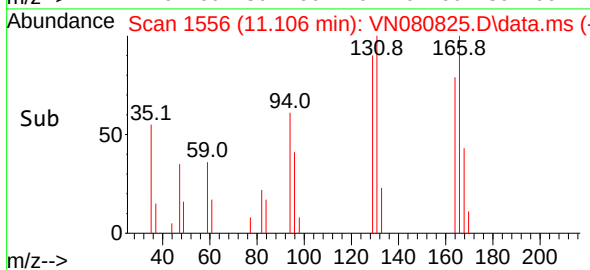
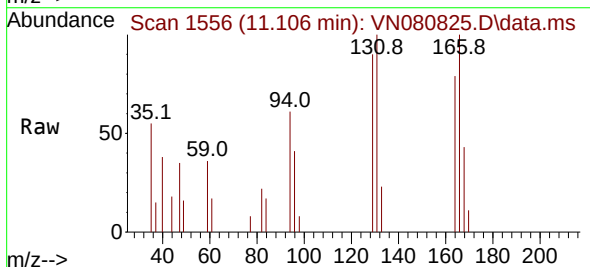
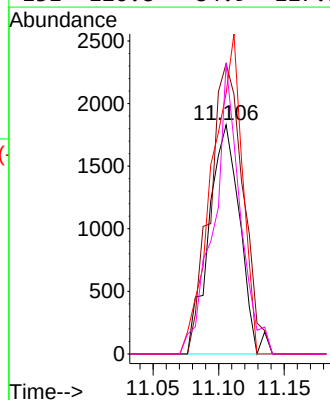
Delta R.T. -0.000 min

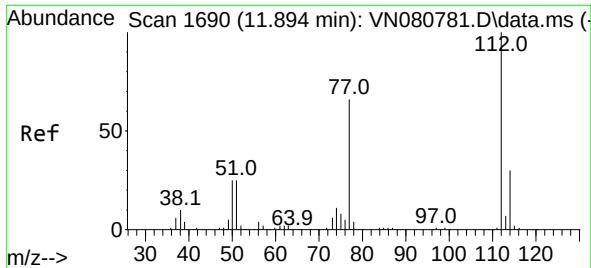
Lab File: VN080825.D

Acq: 30 Jan 2024 19:34

Tgt Ion:164 Resp: 3009

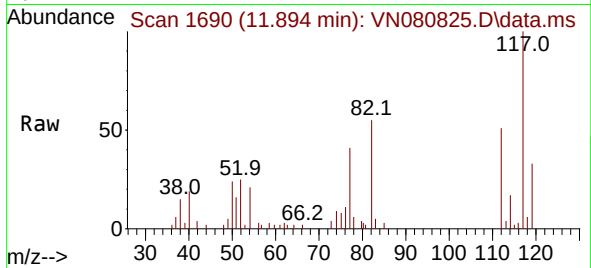
Ion	Ratio	Lower	Upper
164	100		
166	126.7	105.8	158.6
129	113.8	89.6	134.4
131	126.8	84.9	127.3





#65
Chlorobenzene
Concen: 2.372 ug/l
RT: 11.894 min Scan# 1690
Delta R.T. -0.000 min
Lab File: VN080825.D
Acq: 30 Jan 2024 19:34

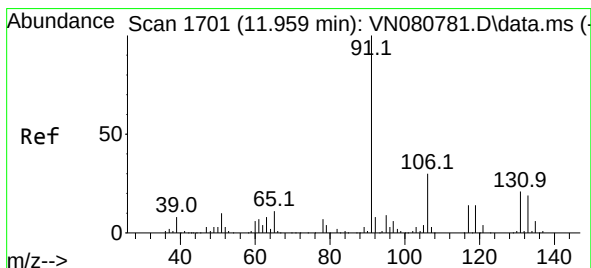
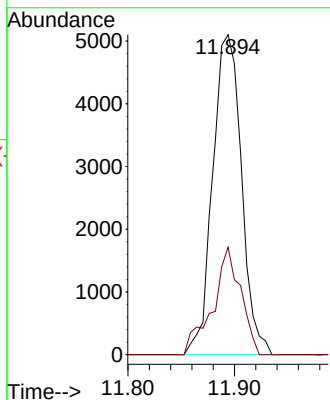
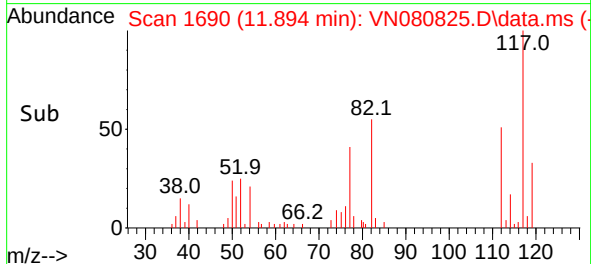
Instrument : MSVOA_N
ClientSampleId : MDL-WATER-03-QT1-2024



Tgt Ion:112 Resp: 956
Ion Ratio Lower Upper
112 100
114 33.6 23.7 35.5

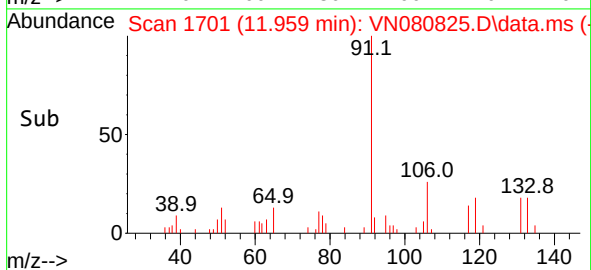
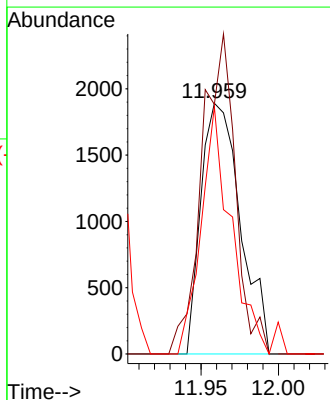
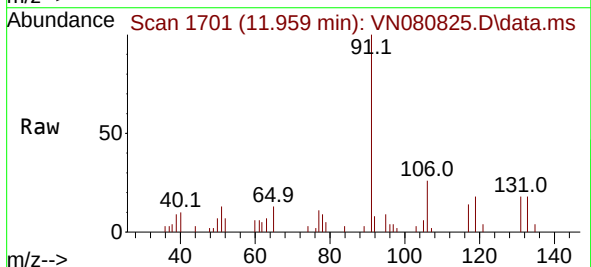
Manual Integrations
APPROVED

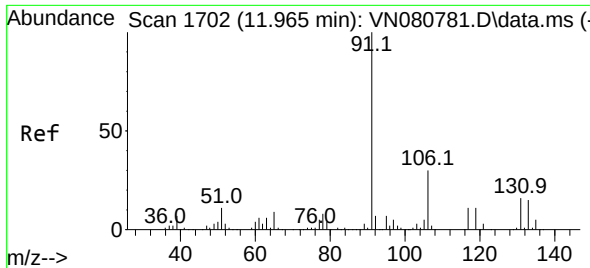
Reviewed By :John Carlone 01/31/2024
Supervised By :Semsettin Yesilyurt 01/31/2024



#66
1,1,1,2-Tetrachloroethane
Concen: 2.555 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VN080825.D
Acq: 30 Jan 2024 19:34

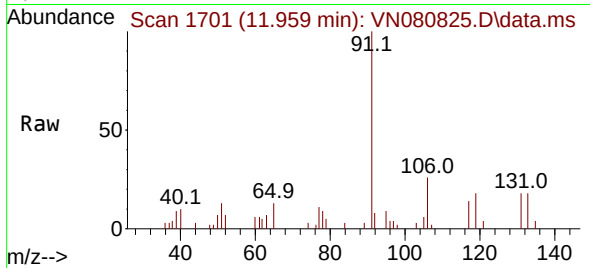
Tgt Ion:131 Resp: 3351
Ion Ratio Lower Upper
131 100
133 108.2 46.8 140.3
119 74.4 34.6 103.9





#67
Ethyl Benzene
Concen: 2.494 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.006 min
Lab File: VN080825.D
Acq: 30 Jan 2024 19:34

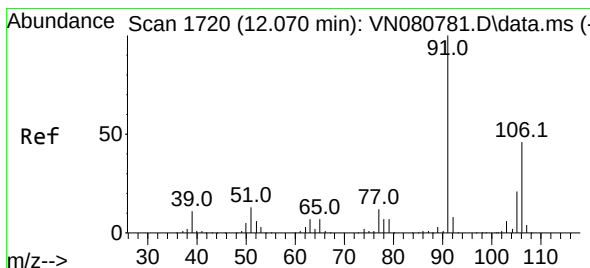
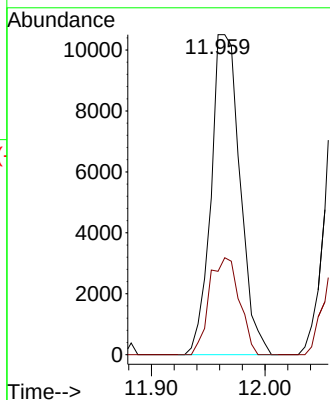
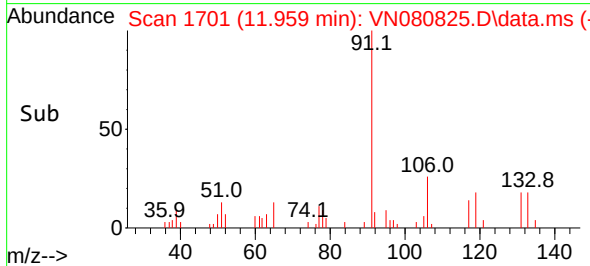
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT1-2024



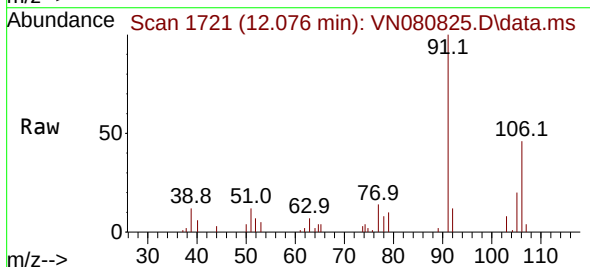
Tgt Ion: 91 Resp: 1869
Ion Ratio Lower Upper
91 100
106 26.1 23.8 35.6

Manual Integrations
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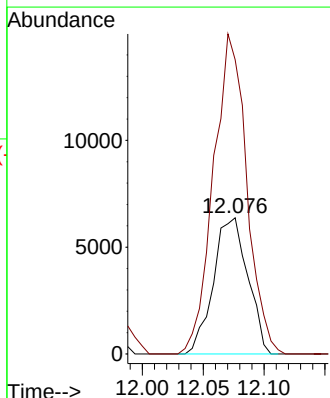
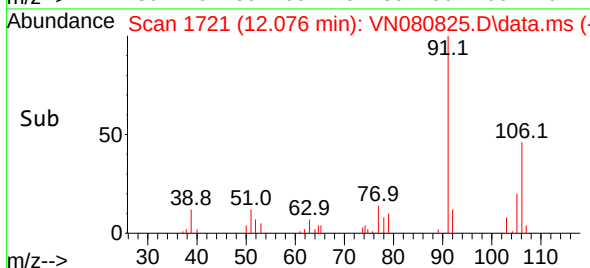
Reviewed By :John Carlone 01/31/2024
Supervised By :Semsettin Yesilyurt 01/31/2024

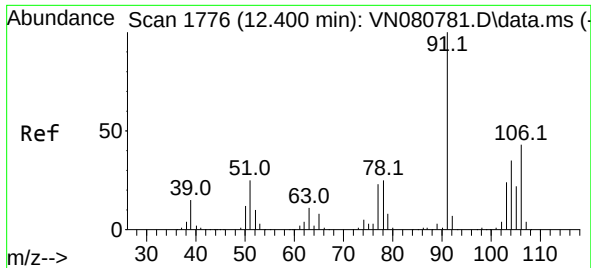


#68
m/p-Xylenes
Concen: 4.717 ug/l
RT: 12.076 min Scan# 1721
Delta R.T. 0.006 min
Lab File: VN080825.D
Acq: 30 Jan 2024 19:34



Tgt Ion:106 Resp: 12558
Ion Ratio Lower Upper
106 100
91 227.0 169.0 253.6





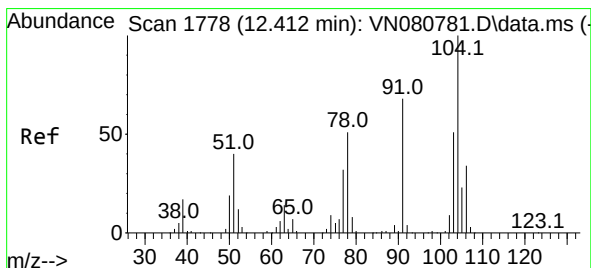
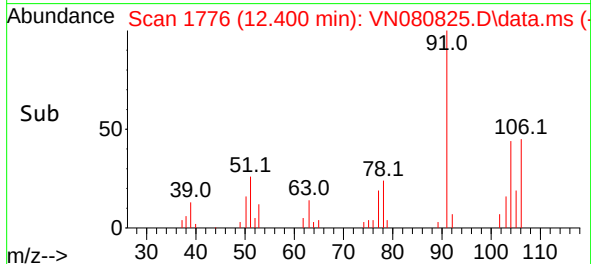
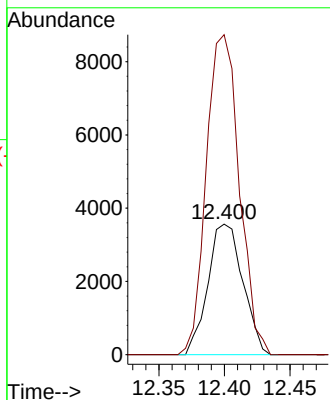
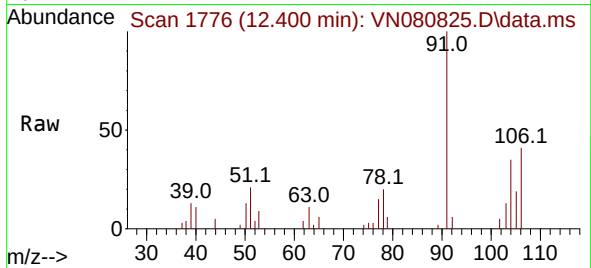
#69
o-Xylene
Concen: 2.496 ug/l
RT: 12.400 min Scan# 1776
Delta R.T. -0.000 min
Lab File: VN080825.D
Acq: 30 Jan 2024 19:34

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

Tgt Ion:106 Resp: 6604
Ion Ratio Lower Upper
106 100
91 232.1 112.1 336.3

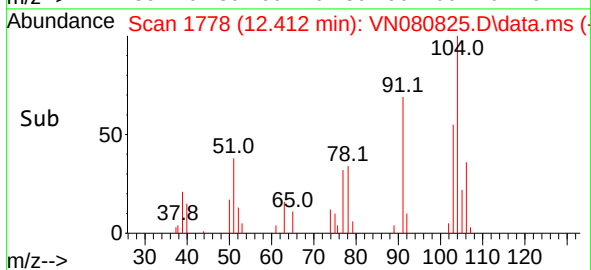
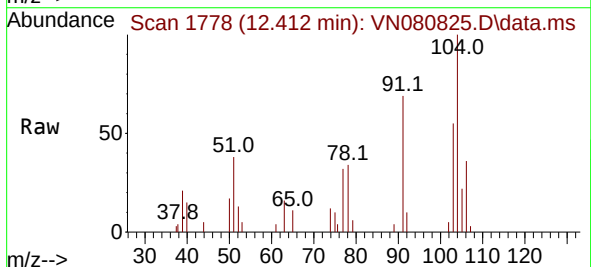
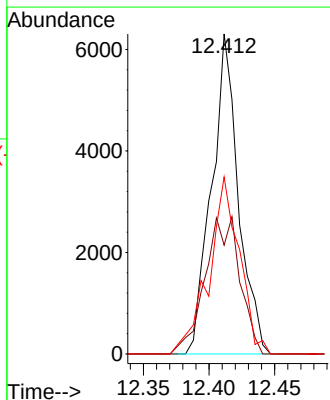
Manual Integrations
APPROVED

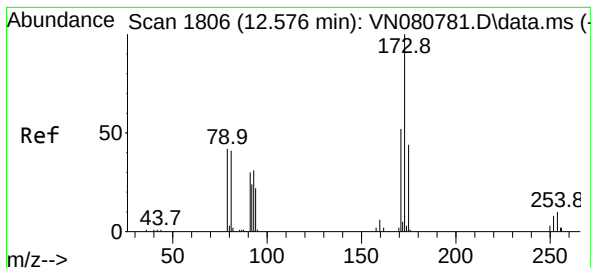
Reviewed By :John Carlone 01/31/2024
Supervised By :Semsettin Yesilyurt 01/31/2024



#70
Styrene
Concen: 2.112 ug/l
RT: 12.412 min Scan# 1778
Delta R.T. -0.000 min
Lab File: VN080825.D
Acq: 30 Jan 2024 19:34

Tgt Ion:104 Resp: 8973
Ion Ratio Lower Upper
104 100
78 55.7 43.8 65.8
103 62.8 44.2 66.2





#71

Bromoform

Concen: 2.345 ug/l

RT: 12.576 min Scan# 1806

Delta R.T. -0.000 min

Lab File: VN080825.D

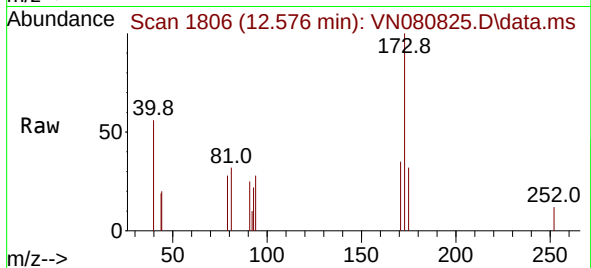
Acq: 30 Jan 2024 19:34

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT1-2024



Tgt Ion:173 Resp: 2080

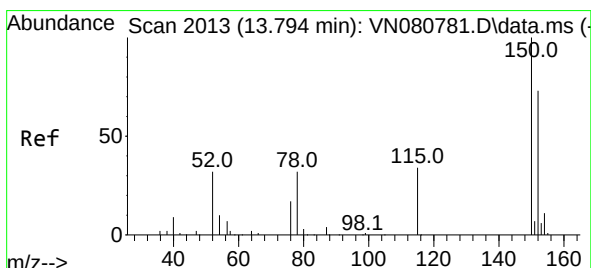
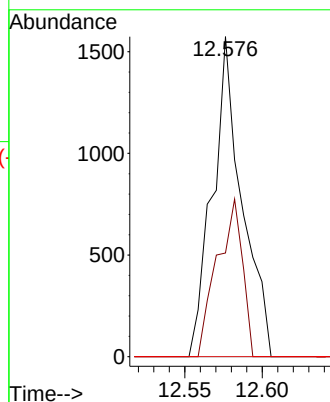
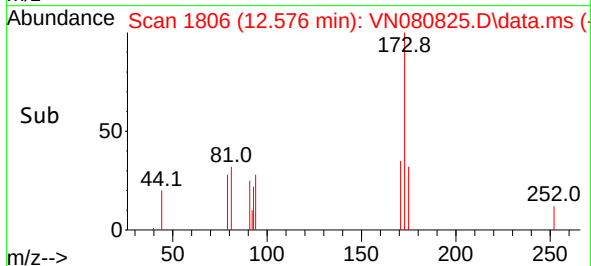
Ion	Ratio	Lower	Upper
173	100		
175	42.2	23.1	69.2
254	0.0	0.0	0.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/31/2024

Supervised By :Semsettin Yesilyurt 01/31/2024



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 2013

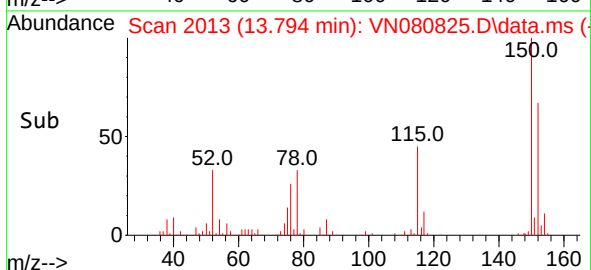
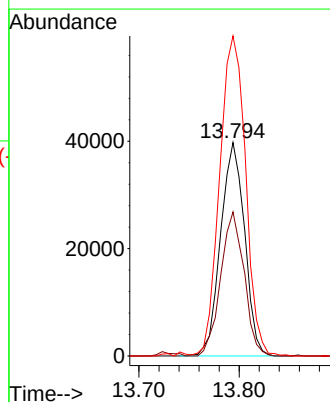
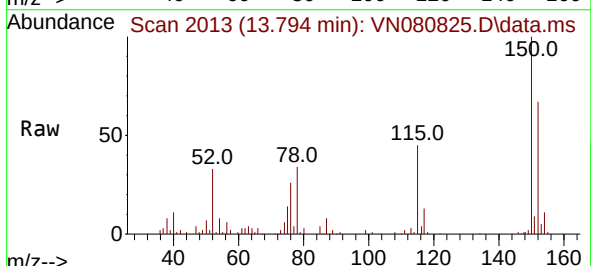
Delta R.T. -0.000 min

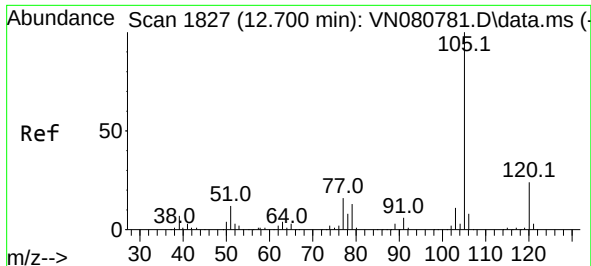
Lab File: VN080825.D

Acq: 30 Jan 2024 19:34

Tgt Ion:152 Resp: 65954

Ion	Ratio	Lower	Upper
152	100		
115	65.9	32.3	96.8
150	162.1	0.0	339.8





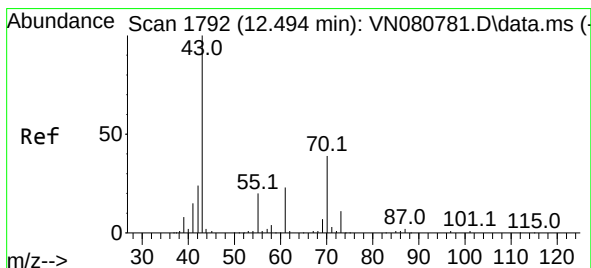
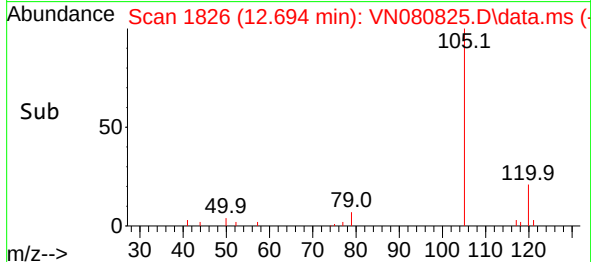
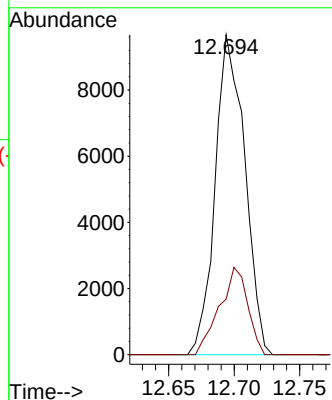
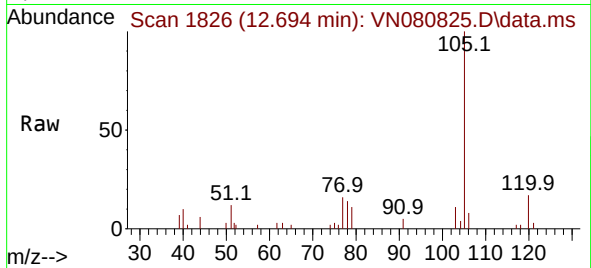
#73
Isopropylbenzene
Concen: 2.514 ug/l
RT: 12.694 min Scan# 1826
Delta R.T. -0.006 min
Lab File: VN080825.D
Acq: 30 Jan 2024 19:34

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

Tgt Ion:105 Resp: 1518
Ion Ratio Lower Upper
105 100
120 25.9 12.6 37.6

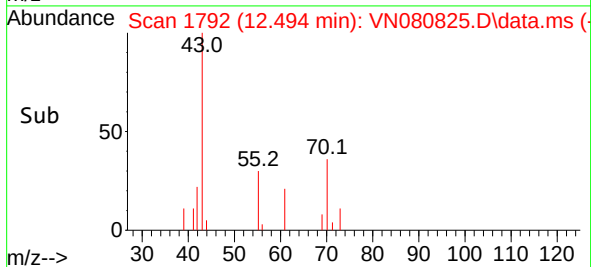
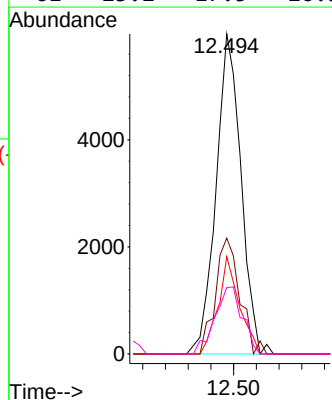
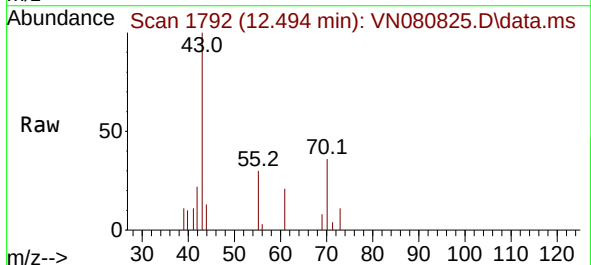
Manual Integrations
APPROVED

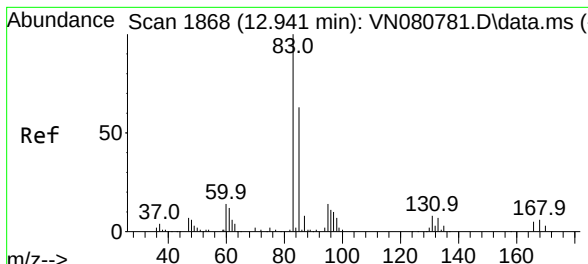
Reviewed By :John Carlone 01/31/2024
Supervised By :Semsettin Yesilyurt 01/31/2024



#74
N-ethyl acetate
Concen: 2.428 ug/l
RT: 12.494 min Scan# 1792
Delta R.T. -0.000 min
Lab File: VN080825.D
Acq: 30 Jan 2024 19:34

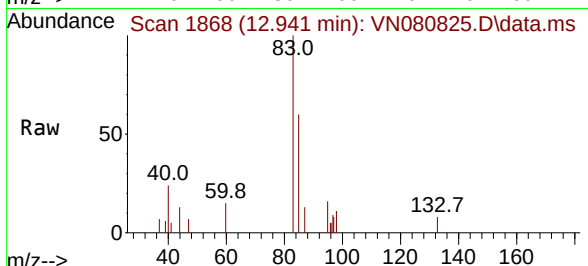
Tgt Ion: 43 Resp: 9105
Ion Ratio Lower Upper
43 100
70 35.3 30.1 45.1
55 25.9 17.0 25.4#
61 23.2 17.5 26.3





#75
1,1,2,2-Tetrachloroethane
Concen: 3.008 ug/l
RT: 12.941 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VN080825.D
Acq: 30 Jan 2024 19:34

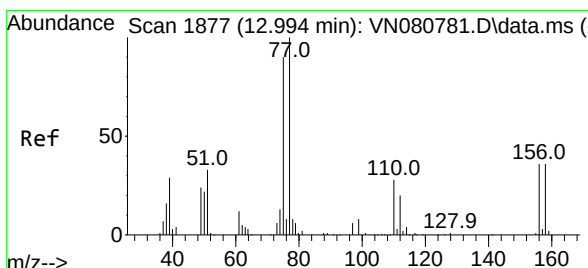
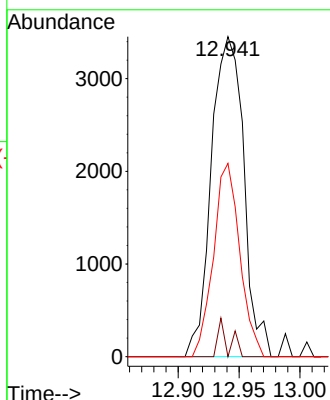
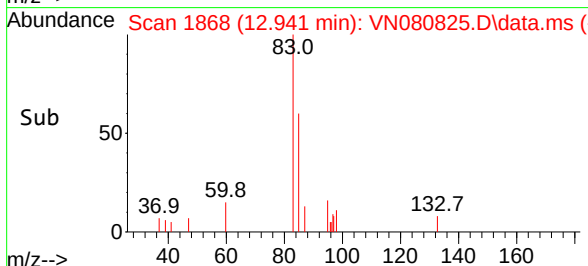
Instrument : MSVOA_N
ClientSampleId : MDL-WATER-03-QT1-2024



Tgt Ion: 83 Resp: 639
Ion Ratio Lower Upper
83 100
131 3.8 4.1 12.3
85 49.2 32.1 96.3

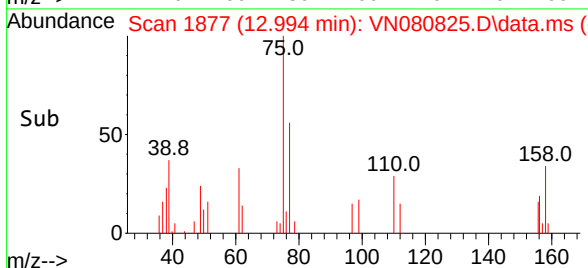
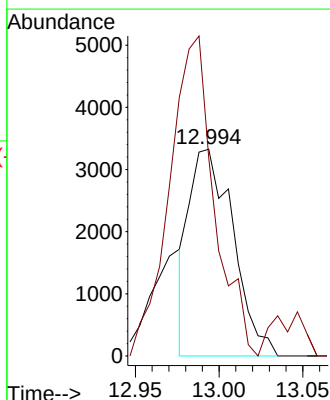
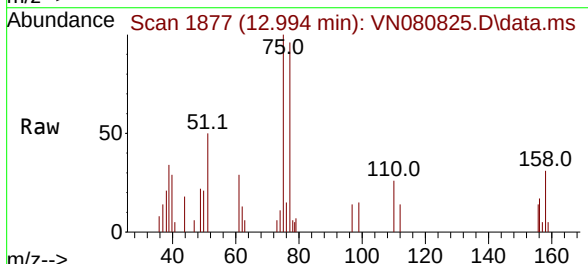
Manual Integrations
APPROVED

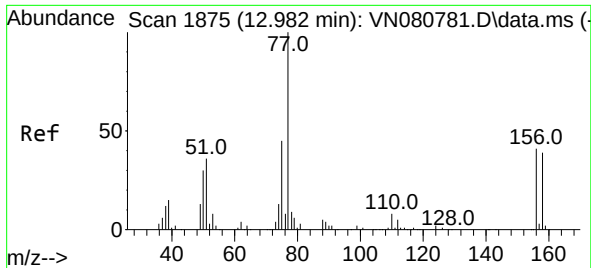
Reviewed By :John Carlone 01/31/2024
Supervised By :Semsettin Yesilyurt 01/31/2024



#76
1,2,3-Trichloropropane
Concen: 3.031 ug/l m
RT: 12.994 min Scan# 1877
Delta R.T. -0.000 min
Lab File: VN080825.D
Acq: 30 Jan 2024 19:34

Tgt Ion: 75 Resp: 6029
Ion Ratio Lower Upper
75 100
77 159.3 91.0 272.8





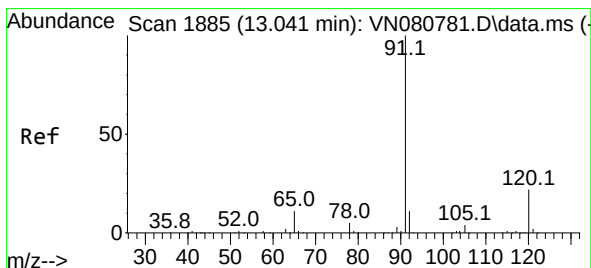
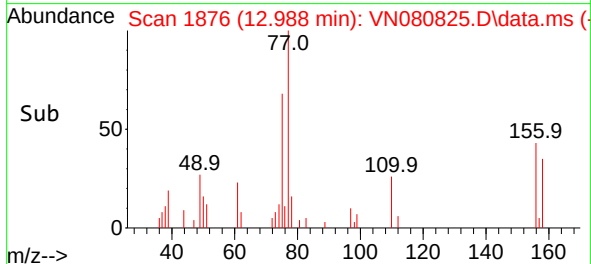
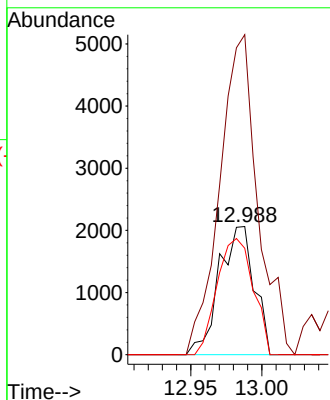
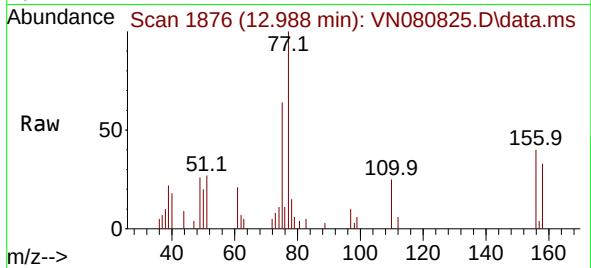
#77
Bromobenzene
Concen: 2.744 ug/l
RT: 12.988 min Scan# 1875
Delta R.T. 0.006 min
Lab File: VN080825.D
Acq: 30 Jan 2024 19:34

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

Tgt Ion:156 Resp: 354
Ion Ratio Lower Upper
156 100
77 271.1 138.1 414.3
158 93.0 46.5 139.5

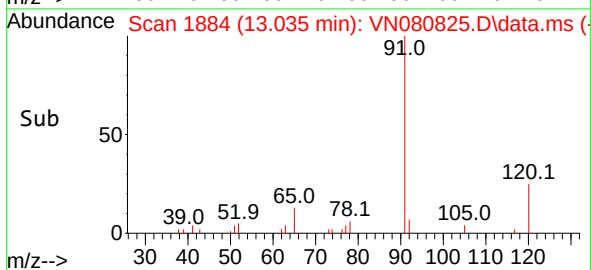
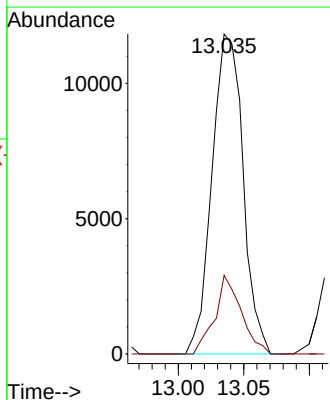
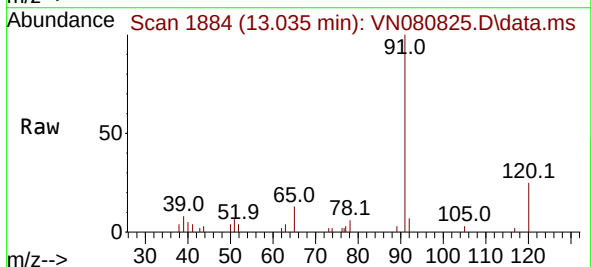
Manual Integrations
APPROVED

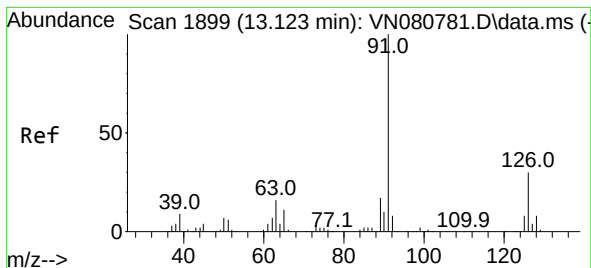
Reviewed By :John Carlone 01/31/2024
Supervised By :Semsettin Yesilyurt 01/31/2024



#78
n-propylbenzene
Concen: 2.693 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. -0.006 min
Lab File: VN080825.D
Acq: 30 Jan 2024 19:34

Tgt Ion: 91 Resp: 19432
Ion Ratio Lower Upper
91 100
120 21.0 10.3 30.9





#79

2-Chlorotoluene

Concen: 2.561 ug/l

RT: 13.129 min Scan# 1899

Delta R.T. 0.006 min

Lab File: VN080825.D

Acq: 30 Jan 2024 19:34

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT1-2024

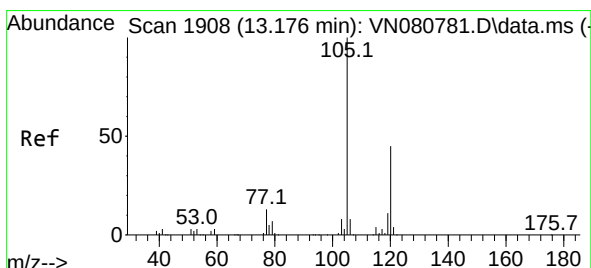
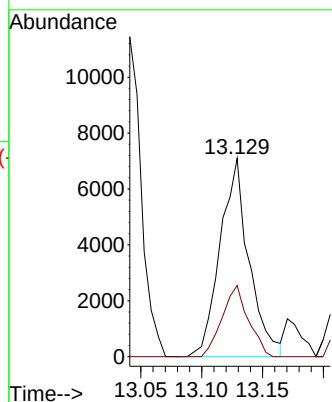
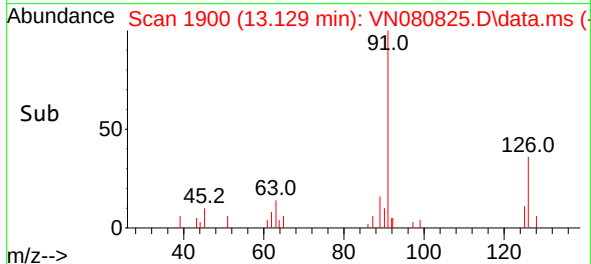
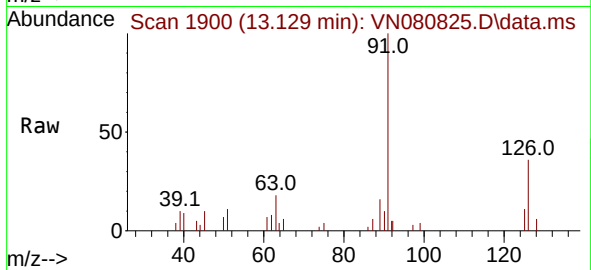
Tgt Ion: 91 Resp: 11740
 Ion Ratio Lower Upper
 91 100
 126 32.6 14.8 44.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/31/2024

Supervised By :Semsettin Yesilyurt 01/31/2024



#80

1,3,5-Trimethylbenzene

Concen: 2.645 ug/l

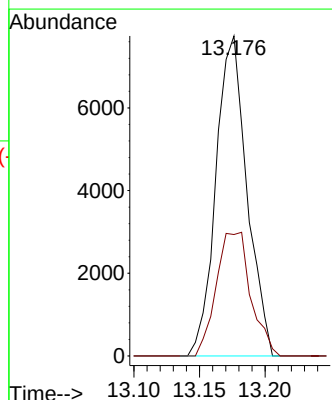
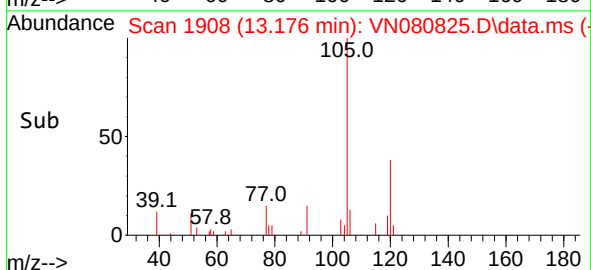
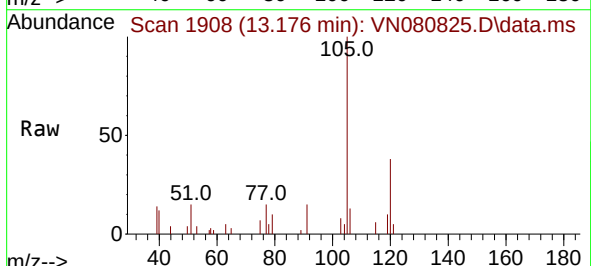
RT: 13.176 min Scan# 1908

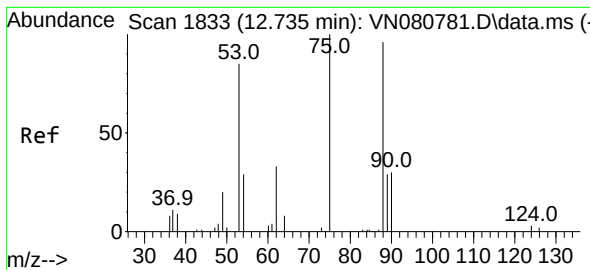
Delta R.T. -0.000 min

Lab File: VN080825.D

Acq: 30 Jan 2024 19:34

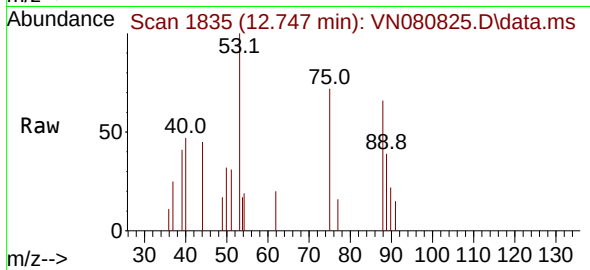
Tgt Ion:105 Resp: 12724
 Ion Ratio Lower Upper
 105 100
 120 43.0 23.0 69.0





#81
trans-1,4-Dichloro-2-butene
Concen: 2.713 ug/l
RT: 12.747 min Scan# 1835
Delta R.T. 0.012 min
Lab File: VN080825.D
Acq: 30 Jan 2024 19:34

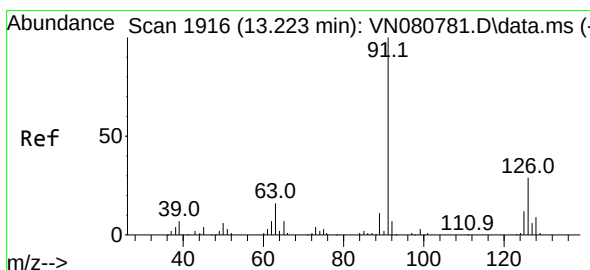
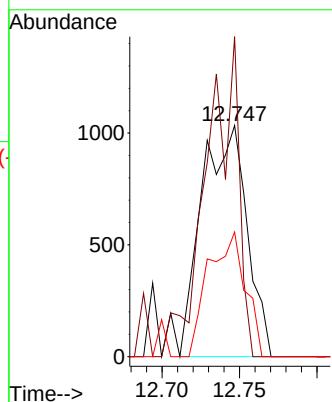
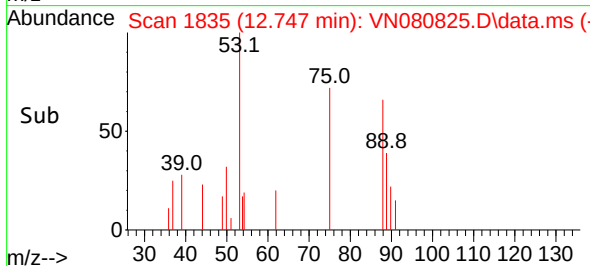
Instrument : MSVOA_N
ClientSampleId : MDL-WATER-03-QT1-2024



Tgt Ion: 75 Resp: 209
Ion Ratio Lower Upper
75 100
53 98.4 71.4 107.2
89 44.1 33.4 50.0

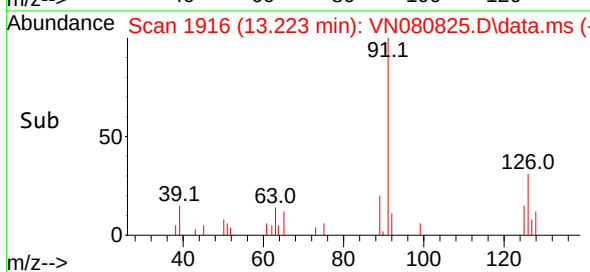
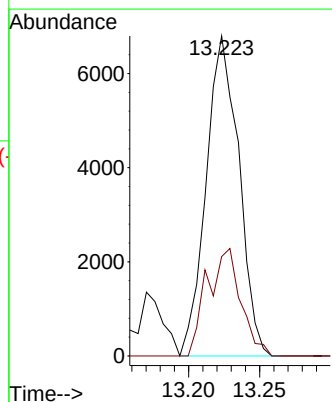
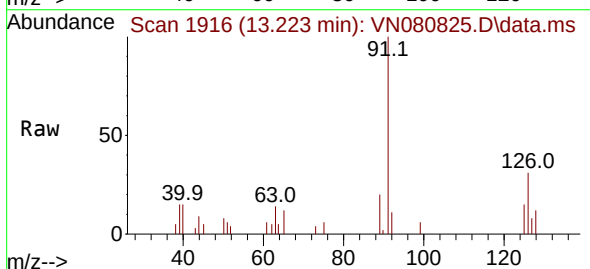
Manual Integrations
APPROVED

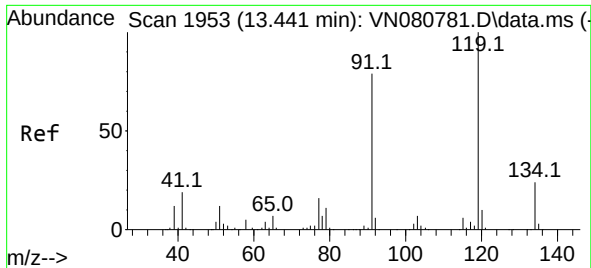
Reviewed By :John Carlone 01/31/2024
Supervised By :Semsettin Yesilyurt 01/31/2024



#82
4-Chlorotoluene
Concen: 2.403 ug/l
RT: 13.223 min Scan# 1916
Delta R.T. -0.000 min
Lab File: VN080825.D
Acq: 30 Jan 2024 19:34

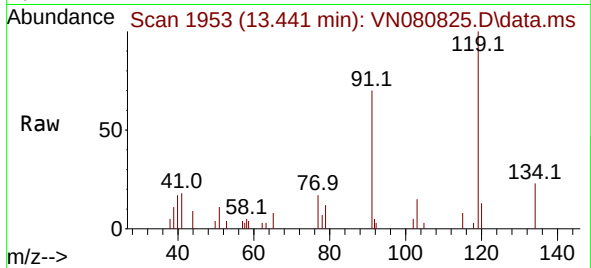
Tgt Ion: 91 Resp: 10913
Ion Ratio Lower Upper
91 100
126 34.6 15.3 45.9





#83
tert-Butylbenzene
Concen: 2.606 ug/l
RT: 13.441 min Scan# 1953
Delta R.T. -0.000 min
Lab File: VN080825.D
Acq: 30 Jan 2024 19:34

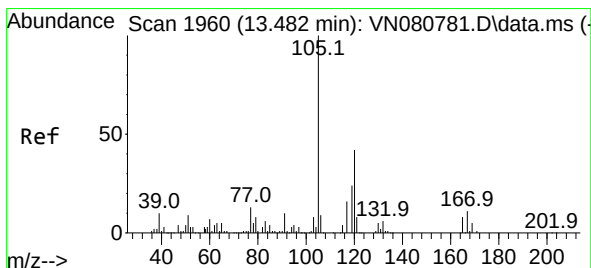
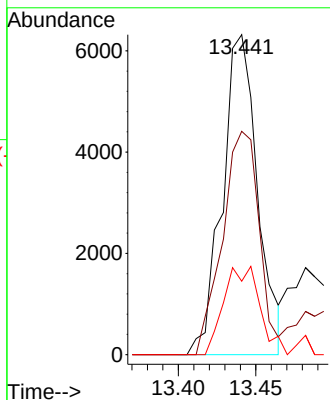
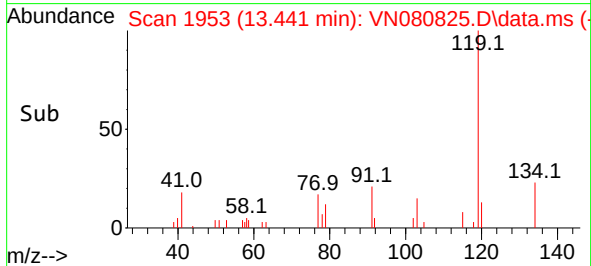
Instrument : MSVOA_N
ClientSampleId : MDL-WATER-03-QT1-2024



Tgt Ion:119 Resp: 10010
Ion Ratio Lower Upper
119 100
91 72.7 36.8 110.4
134 28.2 12.4 37.4

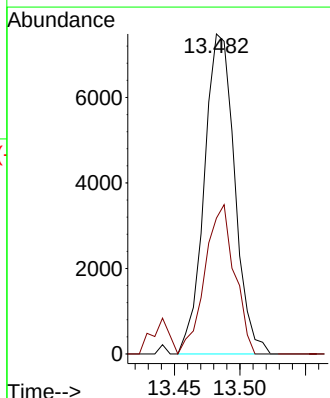
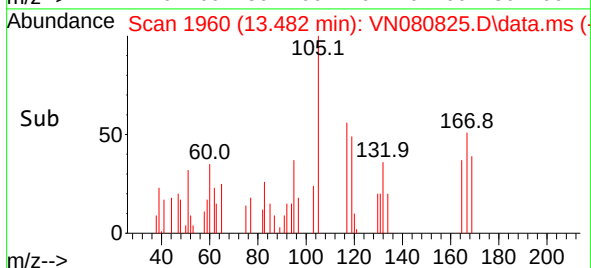
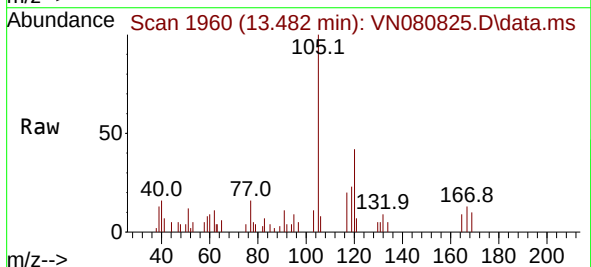
Manual Integrations
APPROVED

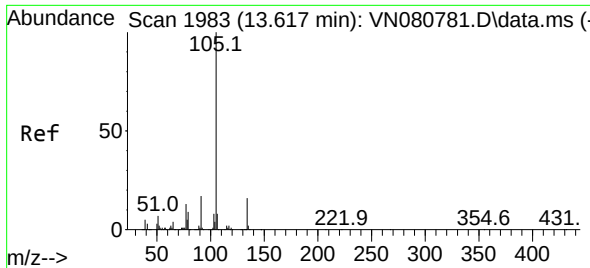
Reviewed By :John Carlone 01/31/2024
Supervised By :Semsettin Yesilyurt 01/31/2024



#84
1,2,4-Trimethylbenzene
Concen: 2.475 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. -0.000 min
Lab File: VN080825.D
Acq: 30 Jan 2024 19:34

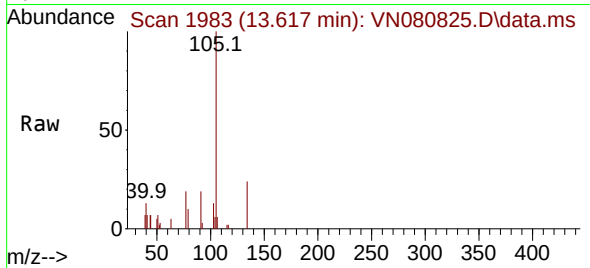
Tgt Ion:105 Resp: 12064
Ion Ratio Lower Upper
105 100
120 45.4 20.9 62.7





#85
 sec-Butylbenzene
 Concen: 2.247 ug/l
 RT: 13.617 min Scan# 1983
 Delta R.T. -0.000 min
 Lab File: VN080825.D
 Acq: 30 Jan 2024 19:34

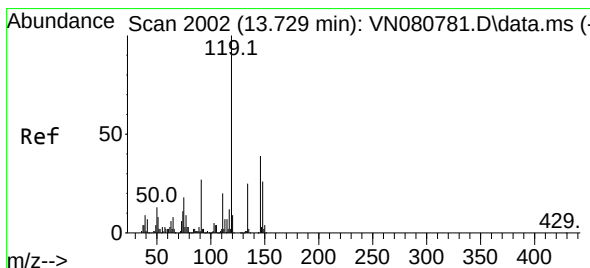
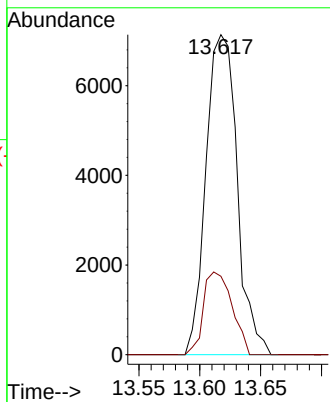
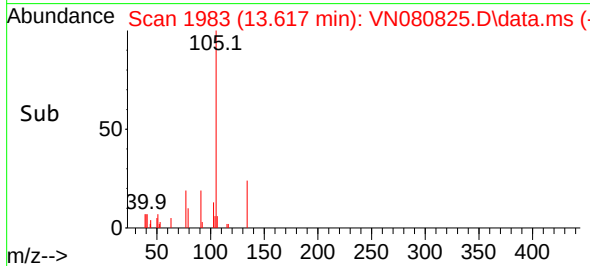
Instrument : MSVOA_N
 ClientSampleId : MDL-WATER-03-QT1-2024



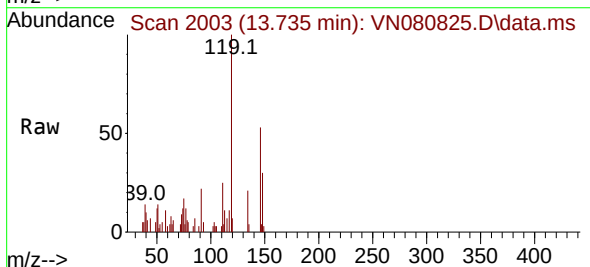
Tgt Ion:105 Resp: 1272
 Ion Ratio Lower Upper
 105 100
 134 23.7 8.6 25.8

Manual Integrations
 APPROVED

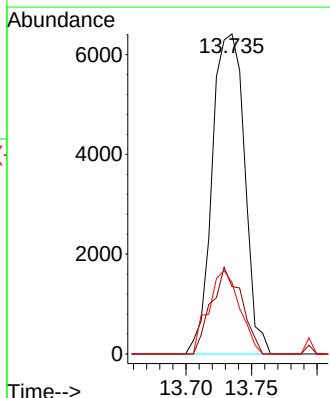
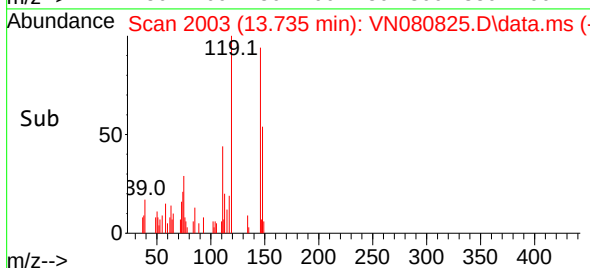
Reviewed By :John Carlone 01/31/2024
 Supervised By :Semsettin Yesilyurt 01/31/2024

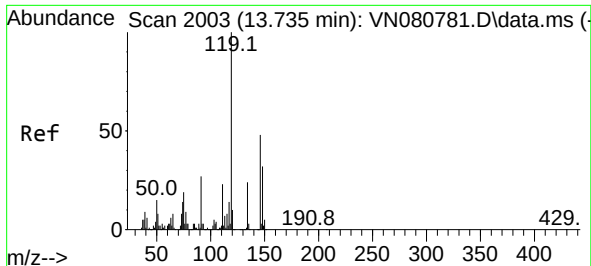


#86
 p-Isopropyltoluene
 Concen: 2.492 ug/l
 RT: 13.735 min Scan# 2003
 Delta R.T. 0.006 min
 Lab File: VN080825.D
 Acq: 30 Jan 2024 19:34



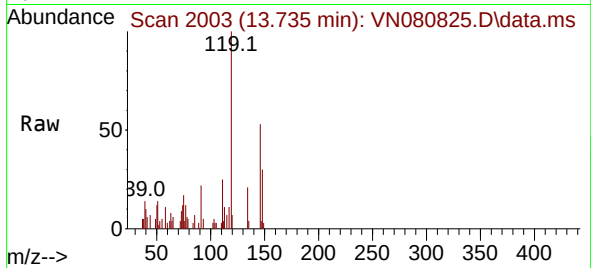
Tgt Ion:119 Resp: 10966
 Ion Ratio Lower Upper
 119 100
 134 25.5 12.4 37.2
 91 25.3 13.5 40.4





#87
1,3-Dichlorobenzene
Concen: 2.244 ug/l
RT: 13.735 min Scan# 2003
Delta R.T. -0.000 min
Lab File: VN080825.D
Acq: 30 Jan 2024 19:34

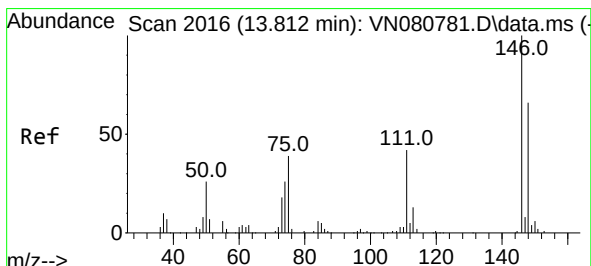
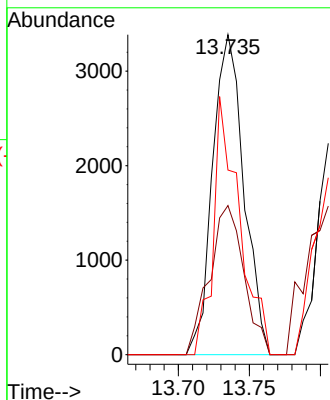
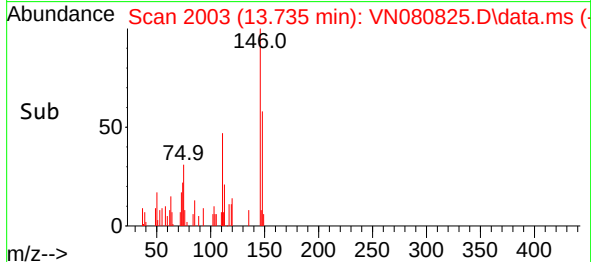
Instrument : MSVOA_N
ClientSampleId : MDL-WATER-03-QT1-2024



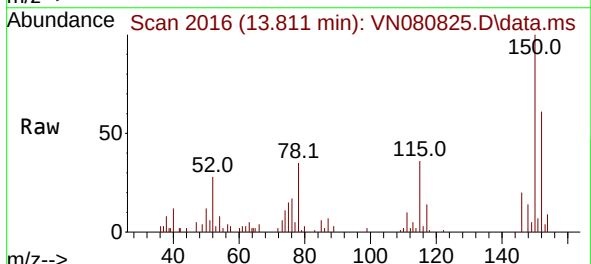
Tgt Ion:146 Resp: 518
Ion Ratio Lower Upper
146 100
111 51.6 23.9 71.7
148 67.1 32.6 97.7

Manual Integrations
APPROVED

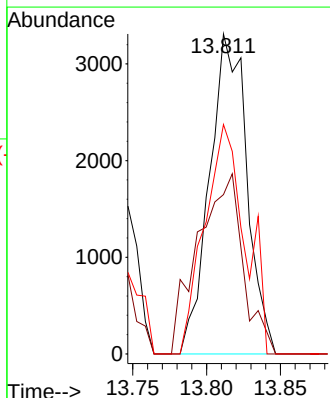
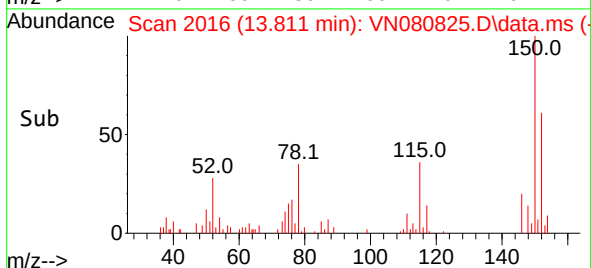
Reviewed By :John Carlone 01/31/2024
Supervised By :Semsettin Yesilyurt 01/31/2024

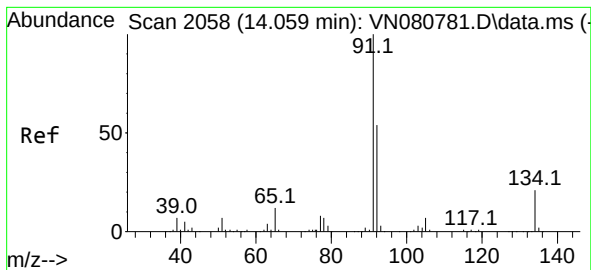


#88
1,4-Dichlorobenzene
Concen: 2.512 ug/l m
RT: 13.811 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN080825.D
Acq: 30 Jan 2024 19:34



Tgt Ion:146 Resp: 5815
Ion Ratio Lower Upper
146 100
111 46.0 22.6 67.7
148 59.8 31.9 95.5





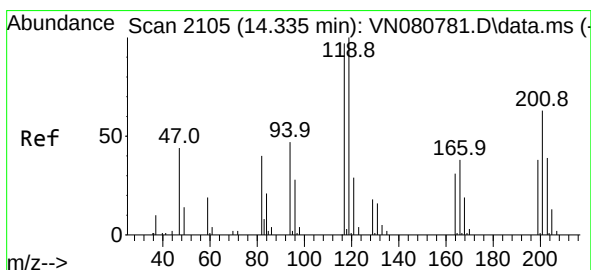
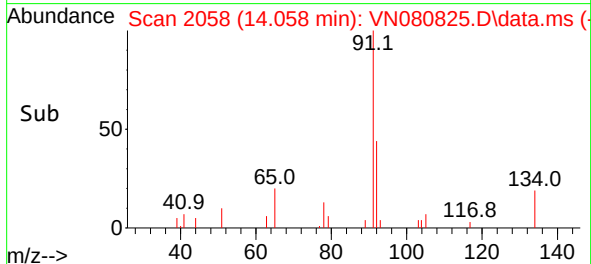
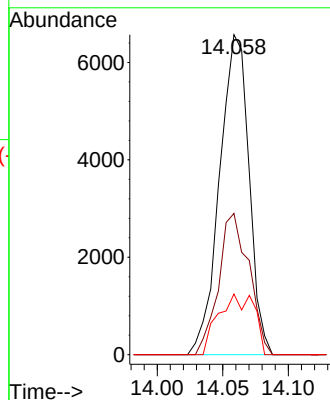
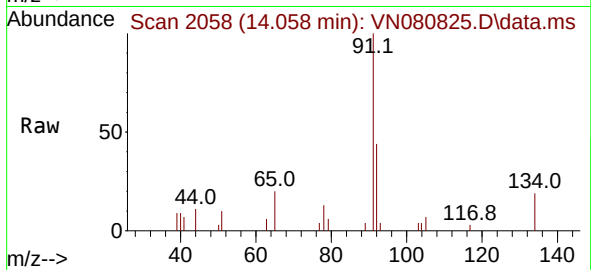
#89
n-Butylbenzene
Concen: 2.381 ug/l
RT: 14.058 min Scan# 2058
Delta R.T. -0.000 min
Lab File: VN080825.D
Acq: 30 Jan 2024 19:34

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

Tgt Ion: 91 Resp: 1025
Ion Ratio Lower Upper
91 100
92 45.6 26.7 80.1
134 22.9 10.8 32.4

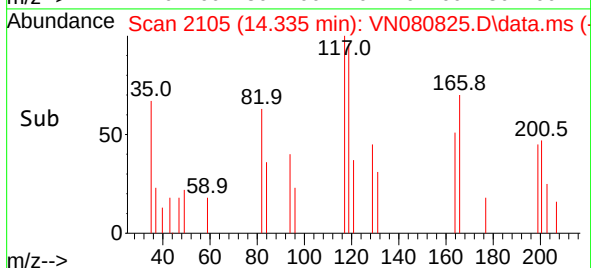
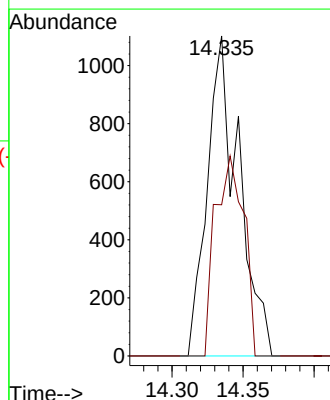
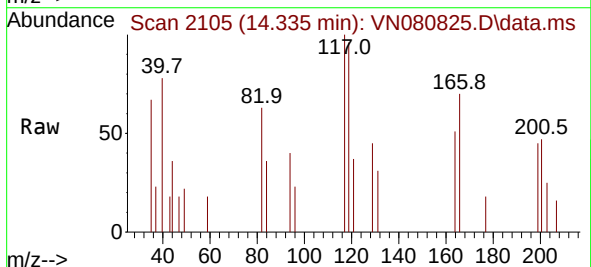
Manual Integrations
APPROVED

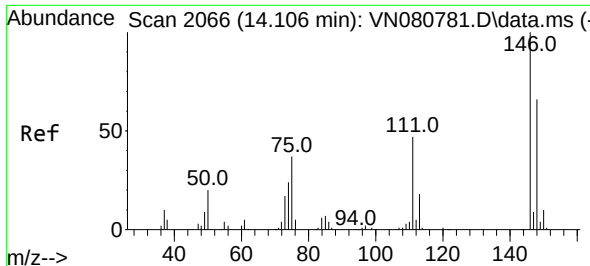
Reviewed By :John Carlone 01/31/2024
Supervised By :Semsettin Yesilyurt 01/31/2024



#90
Hexachloroethane
Concen: 2.208 ug/l
RT: 14.335 min Scan# 2105
Delta R.T. -0.000 min
Lab File: VN080825.D
Acq: 30 Jan 2024 19:34

Tgt Ion:117 Resp: 1700
Ion Ratio Lower Upper
117 100
201 56.8 30.0 90.0





#91

1,2-Dichlorobenzene

Concen: 2.682 ug/l

RT: 14.106 min Scan# 2066

Delta R.T. -0.000 min

Lab File: VN080825.D

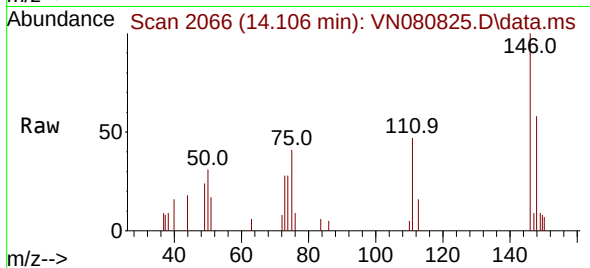
Acq: 30 Jan 2024 19:34

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT1-2024



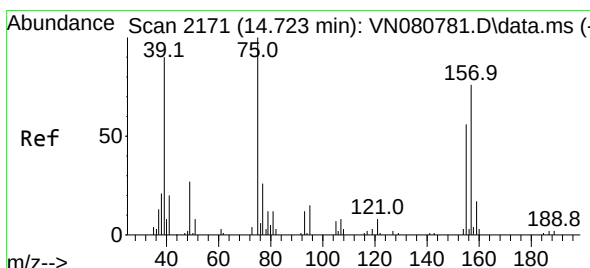
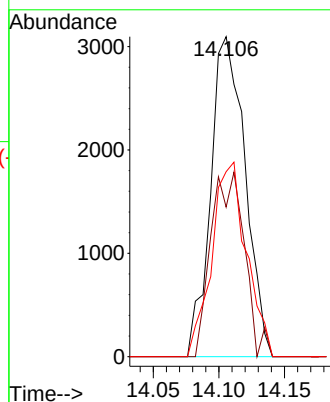
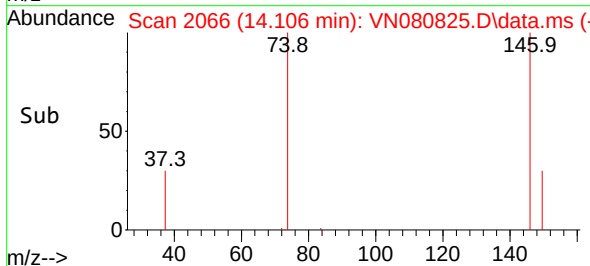
Tgt Ion:146	Resp:	566
Ion Ratio	Lower	Upper
146	100	
111	55.9	23.9 71.8
148	61.0	31.4 94.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/31/2024

Supervised By :Semsettin Yesilyurt 01/31/2024



#92

1,2-Dibromo-3-Chloropropane

Concen: 2.007 ug/l

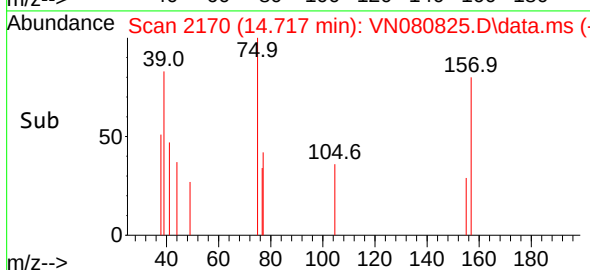
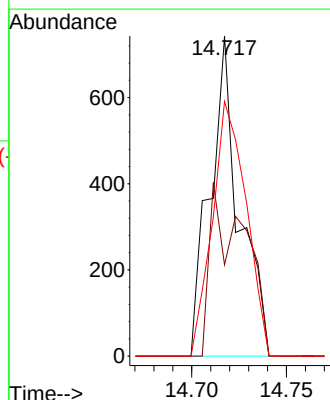
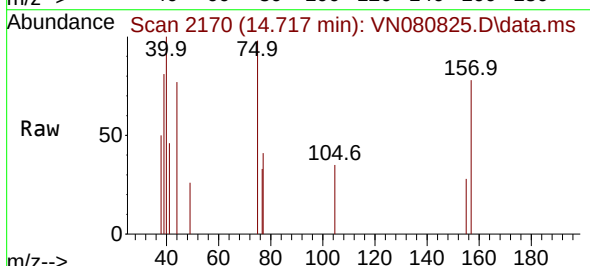
RT: 14.717 min Scan# 2170

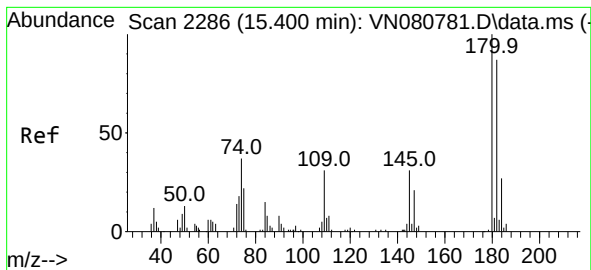
Delta R.T. -0.006 min

Lab File: VN080825.D

Acq: 30 Jan 2024 19:34

Tgt Ion: 75	Resp:	797
Ion Ratio	Lower	Upper
75	100	
155	64.0	31.8 95.4
157	92.1	41.1 123.4





#93

1,2,4-Trichlorobenzene

Concen: 3.055 ug/l

RT: 15.388 min Scan# 21

Delta R.T. -0.012 min

Lab File: VN080825.D

Acq: 30 Jan 2024 19:34

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT1-2024

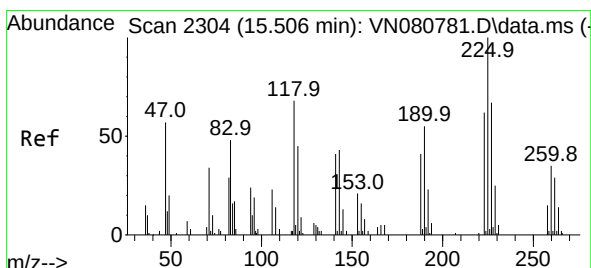
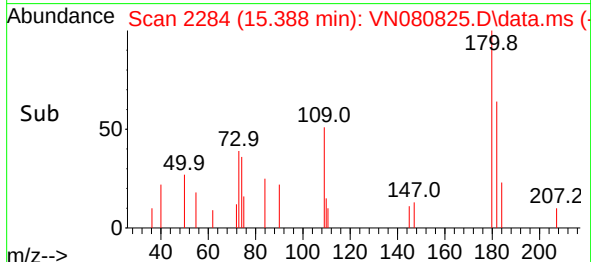
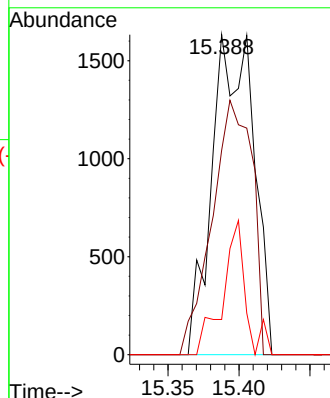
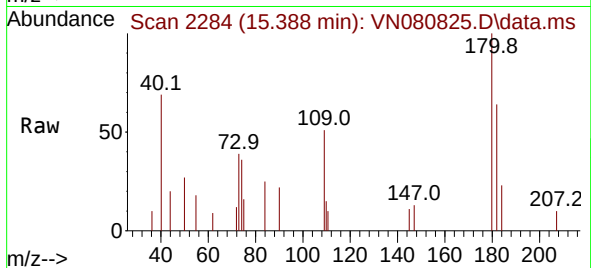
Tgt Ion:180	Resp:	332
Ion Ratio	Lower	Upper
180	100	
182	77.0	46.6 139.7
145	23.0	16.8 50.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/31/2024

Supervised By :Semsettin Yesilyurt 01/31/2024



#94

Hexachlorobutadiene

Concen: 2.247 ug/l

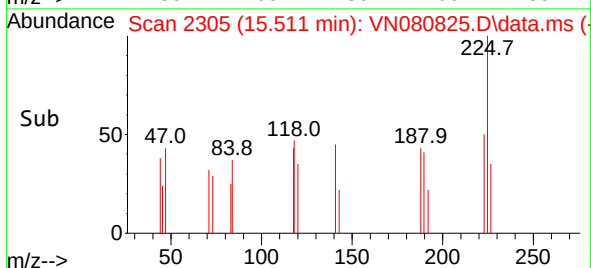
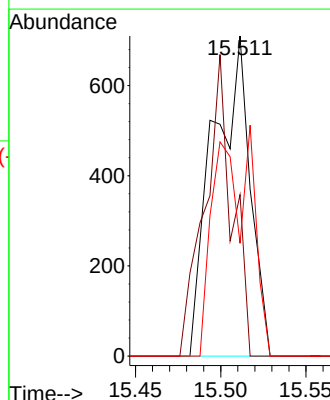
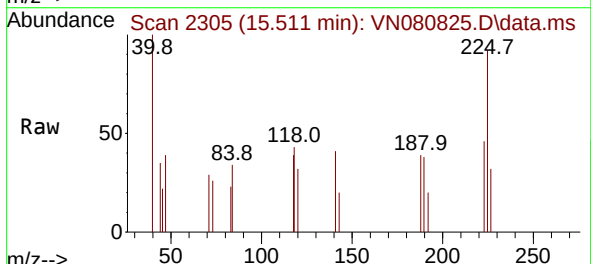
RT: 15.511 min Scan# 2305

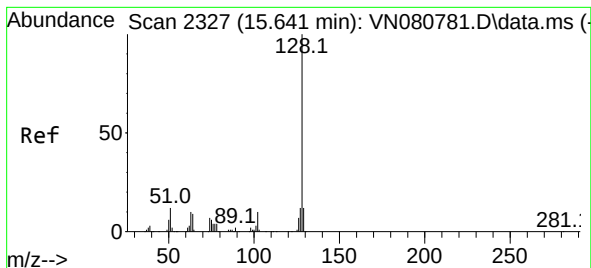
Delta R.T. 0.006 min

Lab File: VN080825.D

Acq: 30 Jan 2024 19:34

Tgt Ion:225	Resp:	1068
Ion Ratio	Lower	Upper
225	100	
223	69.9	33.3 99.8
227	71.2	33.1 99.2





#95

Naphthalene

Concen: 2.304 ug/l

RT: 15.641 min Scan# 2327

Delta R.T. -0.000 min

Lab File: VN080825.D

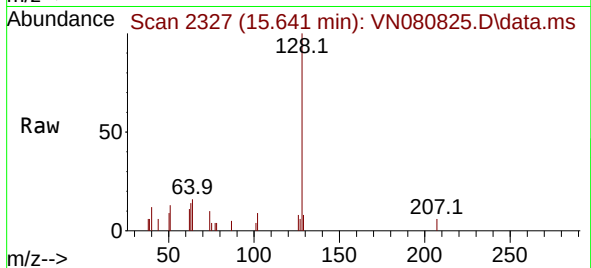
Acq: 30 Jan 2024 19:34

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT1-2024



Tgt Ion:128 Resp: 9590

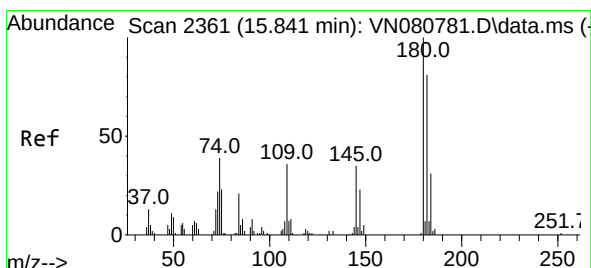
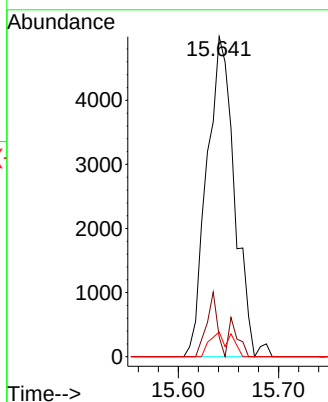
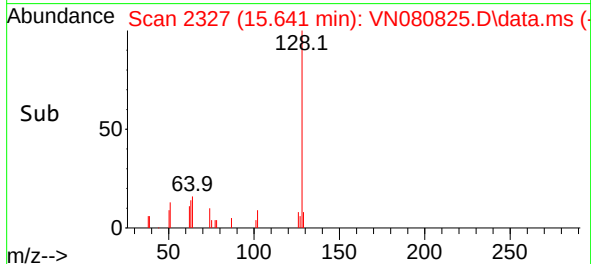
Ion	Ratio	Lower	Upper
128	100		
127	7.8	10.0	15.0
129	5.9	8.7	13.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 01/31/2024

Supervised By :Semsettin Yesilyurt 01/31/2024



#96

1,2,3-Trichlorobenzene

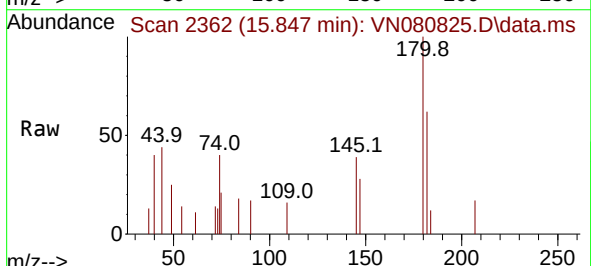
Concen: 2.459 ug/l

RT: 15.847 min Scan# 2362

Delta R.T. 0.006 min

Lab File: VN080825.D

Acq: 30 Jan 2024 19:34



Tgt Ion:180 Resp: 2629

Ion	Ratio	Lower	Upper
180	100		
182	112.6	46.5	139.3
145	49.5	17.8	53.4

