

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032423\
 Data File : VN077182.D
 Acq On : 24 Mar 2023 16:14
 Operator : JC\MD
 Sample : 01627-08 LOQ 5 PPB
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT1-2023

Quant Time: Mar 24 23:31:36 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N032423W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Mar 24 05:55:38 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :John Carlone 03/27/2023
 Supervised By :Semsettin Yesilyurt 03/27/2023

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

Internal Standards						
1) Bromochloromethane	7.819	128	40318	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.107	114	275924	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.866	117	302012	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.584	65	130488	31.869	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 106.233%			
60) 4-Bromofluorobenzene	12.854	95	150044	27.655	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 92.167%			
63) Toluene-d8	10.572	98	327701	30.397	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 101.333%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.137	85	16040	6.042	ug/l	94
3) Chloromethane	2.372	50	28081	6.647	ug/l	94
4) Vinyl Chloride	2.525	62	33373	5.603	ug/l	94
5) Bromomethane	2.954	94	35648	8.535	ug/l	97
6) Chloroethane	3.131	64	37955m	7.643	ug/l	
7) Trichlorofluoromethane	3.513	101	47130	5.496	ug/l	90
8) Diethyl Ether	3.966	74	14893	4.950	ug/l	95
9) 1,1,2-Trichlorotrifluo...	4.384	101	24538	5.473	ug/l #	22
10) 1,1-Dichloroethene	4.354	96	21020	5.010	ug/l	93
11) Methyl Iodide	4.607	142	19033	4.260	ug/l	91
12) Methyl Acetate	5.037	43	42706m	4.721	ug/l	
13) Acrolein	4.196	56	28594m	23.324	ug/l	
14) Acrylonitrile	5.731	53	66177	24.115	ug/l	94
15) Acetone	4.449	58	20507	28.580	ug/l	92
16) Carbon Disulfide	4.719	76	57979	4.893	ug/l	100
17) Allyl chloride	5.031	41	34494	4.675	ug/l	92
18) Methylene Chloride	5.284	84	25719m	4.988	ug/l	
19) trans-1,2-Dichloroethene	5.790	96	22745	5.061	ug/l	91
20) Diisopropyl ether	6.678	45	84141m	5.034	ug/l	
21) 1,1-Dichloroethane	6.590	63	49252	5.234	ug/l	96
22) cis-1,2-Dichloroethene	7.495	96	26237	4.944	ug/l	99
23) tert-Butyl Alcohol	5.531	59	20702m	22.225	ug/l	
24) Methyl tert-Butyl Ether	5.819	73	73046m	4.904	ug/l	
25) Chloroform	7.972	83	49586	5.385	ug/l	91
26) Cyclohexane	8.260	56	36730m	4.628	ug/l	
29) 1,1-Dichloropropene	8.378	75	32735	4.891	ug/l	100
30) 2-Butanone	7.495	43	91584	23.717	ug/l	98
31) 2,2-Dichloropropane	7.495	77	34751m	5.542	ug/l	
32) 1,1,1-Trichloroethane	8.172	97	40191	4.980	ug/l	97
33) Carbon Tetrachloride	8.360	117	34789	5.131	ug/l	89
34) Benzene	8.607	78	105740	5.154	ug/l #	85
35) Methacrylonitrile	7.784	41	19053	4.495	ug/l	94
36) 1,2-Dichloroethane	8.678	62	40268	5.324	ug/l	99
37) Trichloroethene	9.360	130	23775	5.126	ug/l	83
38) Methylcyclohexane	9.607	83	35330	4.434	ug/l	96
39) 1,2-Dichloropropane	9.625	63	27110	4.936	ug/l #	87
40) Dibromomethane	9.713	93	18782	5.347	ug/l	97
41) Bromodichloromethane	9.889	83	33745	4.718	ug/l #	83
42) Vinyl Acetate	6.613	43	257211	22.222	ug/l	98

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 LOQ-WATER-02-QT1-2023

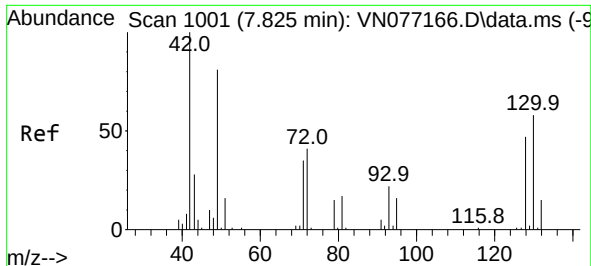
Quant Time: Mar 24 23:31:36 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N032423W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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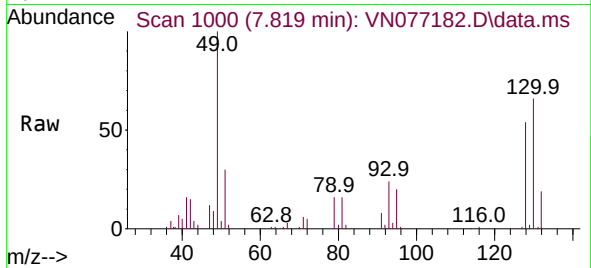
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.572	43	36888	4.782	ug/l	95
44) Isopropyl Acetate	8.689	43	57902	4.651	ug/l	99
45) 1,4-Dioxane	9.695	88	9468	93.533	ug/l #	94
46) Methyl methacrylate	9.683	41	25524	4.447	ug/l	92
47) n-amyl Acetate	12.501	43	39937	3.813	ug/l	95
48) t-1,3-Dichloropropene	10.836	75	32860	4.523	ug/l	100
49) cis-1,3-Dichloropropene	10.313	75	37504	4.715	ug/l	97
50) 1,1,2-Trichloroethane	11.019	97	25065	5.083	ug/l	92
51) Ethyl methacrylate	10.878	69	30299	3.980	ug/l	93
52) 1,3-Dichloropropane	11.166	76	44259	5.057	ug/l	100
53) Dibromochloromethane	11.366	129	23977	4.697	ug/l	96
54) 1,2-Dibromoethane	11.477	107	24287	5.006	ug/l	97
55) 2-Chloroethyl vinyl ether	10.160	63	60921	19.140	ug/l	96
56) Bromoform	12.583	173	16565	4.624	ug/l	97
58) 4-Methyl-2-Pentanone	10.448	43	182078	23.359	ug/l	99
59) 2-Hexanone	11.195	43	129524	22.790	ug/l	96
61) Tetrachloroethene	11.107	164	20792	5.485	ug/l	94
62) Toluene	10.630	91	106612	5.023	ug/l	99
64) Chlorobenzene	11.889	112	61788	4.920	ug/l	97
65) 1,1,1,2-Tetrachloroethane	11.960	131	23905	5.183	ug/l	96
66) Ethyl Benzene	11.966	91	107116	4.696	ug/l	90
67) m/p-Xylenes	12.077	106	76976	8.770	ug/l	96
68) o-Xylene	12.401	106	37677	4.384	ug/l	94
69) Styrene	12.413	104	56820	4.072	ug/l	95
70) Isopropylbenzene	12.701	105	95696	4.294	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.942	83	36170	4.959	ug/l	95
72) 1,2,3-Trichloropropane	12.995	75	29480m	4.566	ug/l	
73) Bromobenzene	12.983	156	22990	4.615	ug/l	92
74) n-propylbenzene	13.036	91	106289	4.120	ug/l	99
75) 2-Chlorotoluene	13.130	91	68771	4.421	ug/l	99
76) 1,3,5-Trimethylbenzene	13.177	105	75909	4.104	ug/l	93
77) t-1,4-Dichloro-2-butene	12.742	75	7569m	3.678	ug/l	
78) 4-Chlorotoluene	13.224	91	64136	4.286	ug/l	95
79) tert-butylbenzene	13.442	119	67574	4.276	ug/l	98
80) 1,2,4-Trimethylbenzene	13.489	105	73886	4.025	ug/l	97
81) sec-Butylbenzene	13.619	105	89420	3.919	ug/l	96
82) p-Isopropyltoluene	13.730	119	65565	3.585	ug/l	99
83) 1,3-Dichlorobenzene	13.742	146	39249	4.255	ug/l	96
84) 1,4-Dichlorobenzene	13.813	146	36971	4.114	ug/l	92
85) n-Butylbenzene	14.060	91	51597	3.337	ug/l	96
86) Hexachloroethane	14.336	117	15544	4.457	ug/l	98
87) 1,2-Dichlorobenzene	14.107	146	38891	4.216	ug/l	96
88) 1,2-Dibromo-3-Chloropr...	14.724	75	5157	3.685	ug/l	94
89) 1,2,4-Trichlorobenzene	15.395	180	13114	3.187	ug/l	92
90) Hexachlorobutadiene	15.507	225	10697	4.608	ug/l	92
91) Naphthalene	15.648	128	25649	1.899	ug/l #	72
92) 1,2,3-Trichlorobenzene	15.842	180	10360	2.535	ug/l	87

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



#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.819 min Scan# 10
Delta R.T. -0.006 min
Lab File: VN077182.D
Acq: 24 Mar 2023 16:14

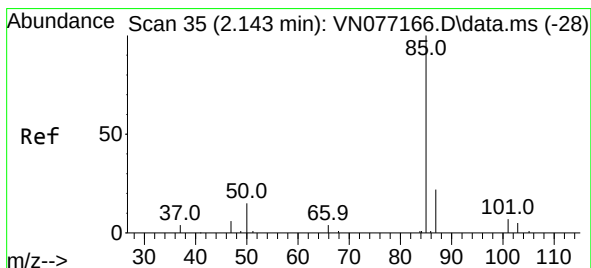
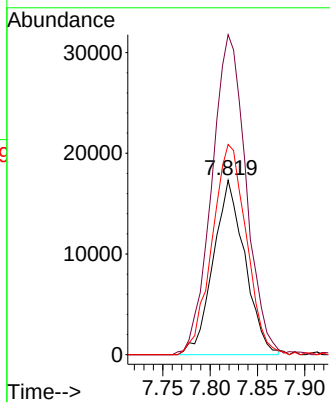
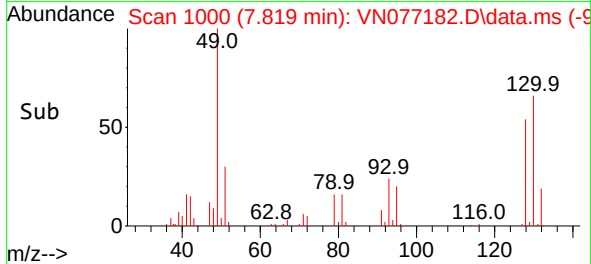
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT1-2023



Tgt Ion:128 Resp: 40318
Ion Ratio Lower Upper
128 100
49 198.5 0.0 461.8
130 130.8 0.0 295.3

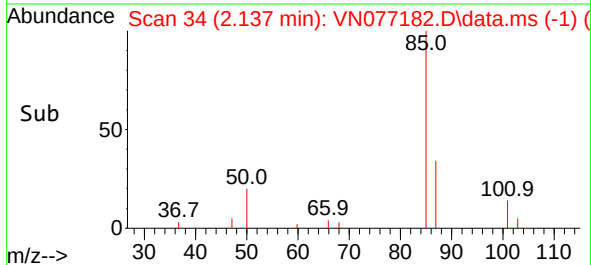
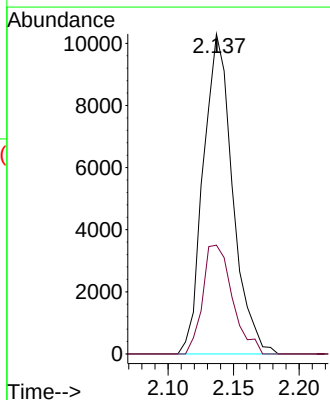
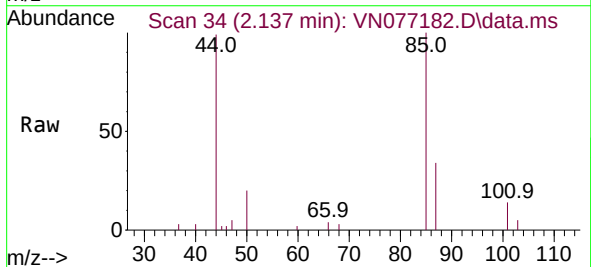
Manual Integrations
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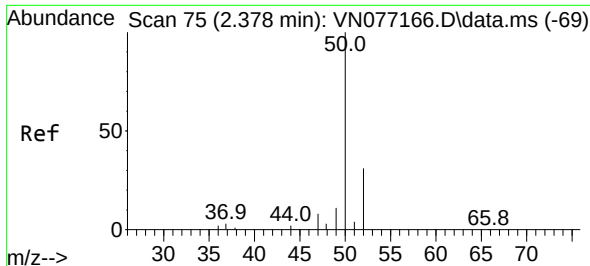
Reviewed By :John Carlone 03/27/2023
Supervised By :Semsettin Yesilyurt 03/27/2023



#2
Dichlorodifluoromethane
Concen: 6.042 ug/l
RT: 2.137 min Scan# 34
Delta R.T. -0.006 min
Lab File: VN077182.D
Acq: 24 Mar 2023 16:14

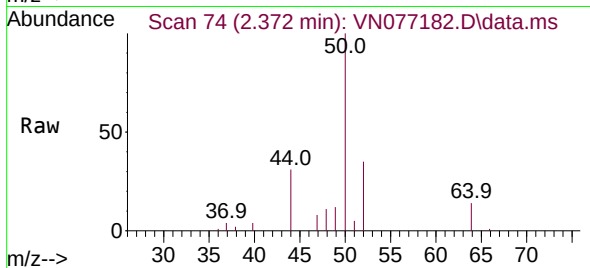
Tgt Ion: 85 Resp: 16040
Ion Ratio Lower Upper
85 100
87 34.0 15.4 46.1





#3
Chloromethane
Concen: 6.647 ug/l
RT: 2.372 min Scan# 74
Delta R.T. -0.006 min
Lab File: VN077182.D
Acq: 24 Mar 2023 16:14

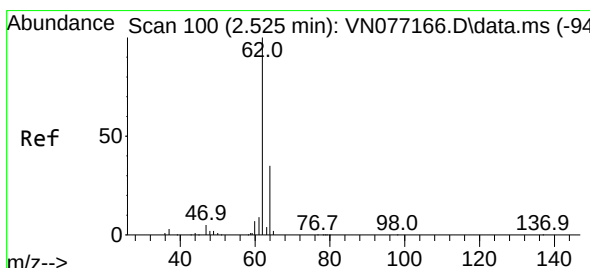
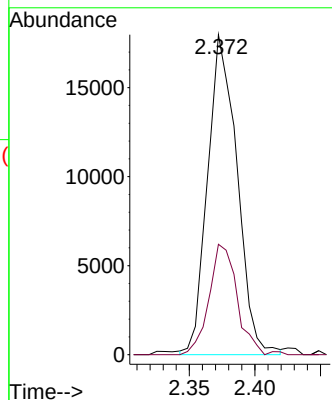
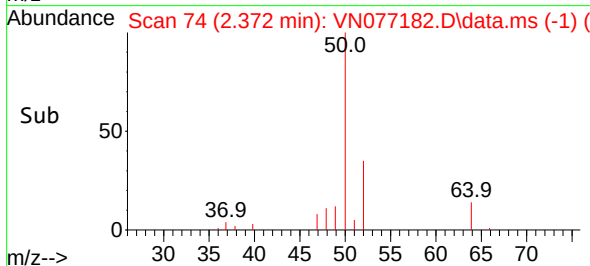
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT1-2023



Tgt Ion: 50 Resp: 2808
Ion Ratio Lower Upper
50 100
52 34.9 25.3 37.9

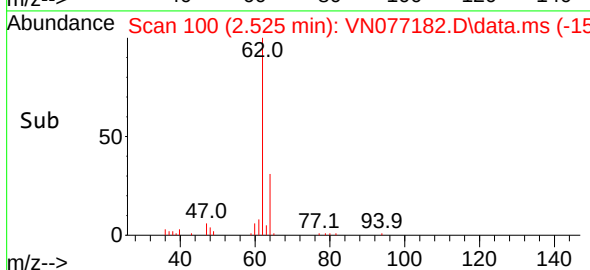
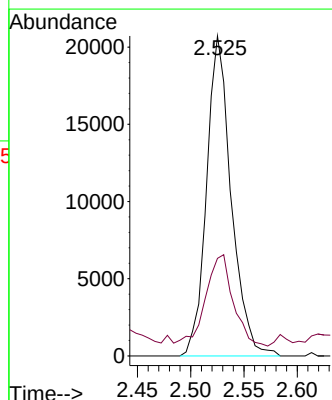
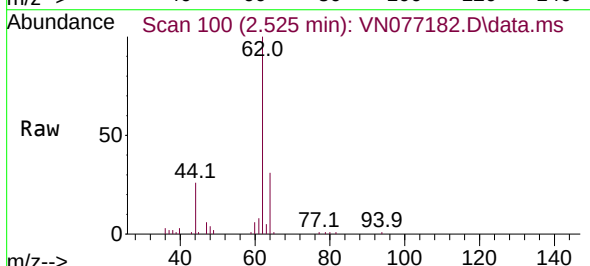
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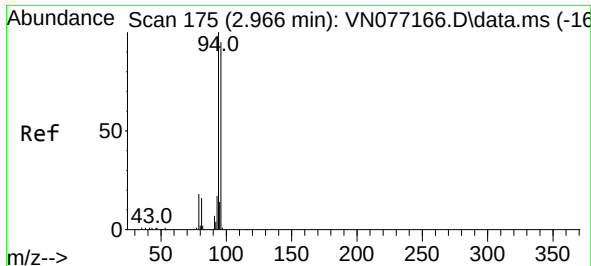
Reviewed By :John Carlone 03/27/2023
Supervised By :Semsettin Yesilyurt 03/27/2023



#4
Vinyl Chloride
Concen: 5.603 ug/l
RT: 2.525 min Scan# 100
Delta R.T. 0.000 min
Lab File: VN077182.D
Acq: 24 Mar 2023 16:14

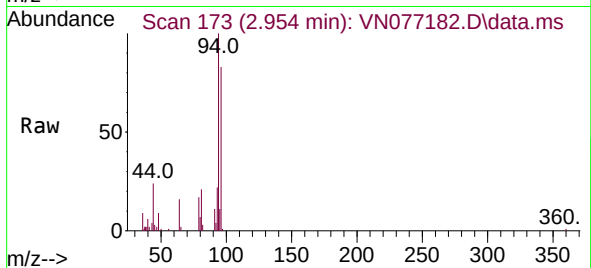
Tgt Ion: 62 Resp: 33373
Ion Ratio Lower Upper
62 100
64 25.6 23.1 34.7





#5
Bromomethane
Concen: 8.535 ug/l
RT: 2.954 min Scan# 175
Delta R.T. -0.012 min
Lab File: VN077182.D
Acq: 24 Mar 2023 16:14

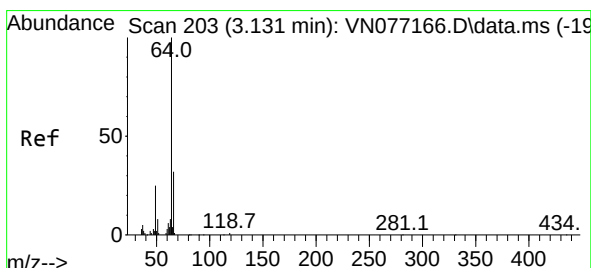
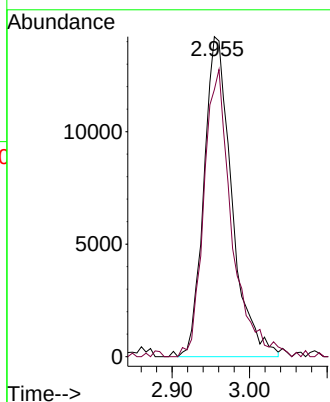
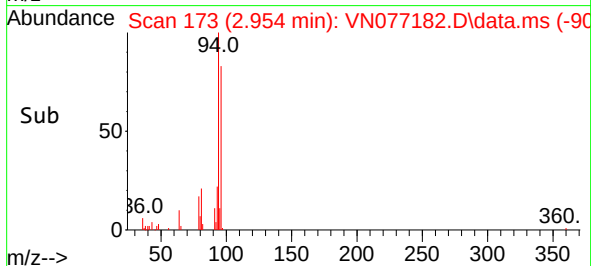
Instrument :
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ClientSampleId :
LOQ-WATER-02-QT1-2023



Tgt Ion: 94 Resp: 35648
Ion Ratio Lower Upper
94 100
96 83.5 68.6 103.0

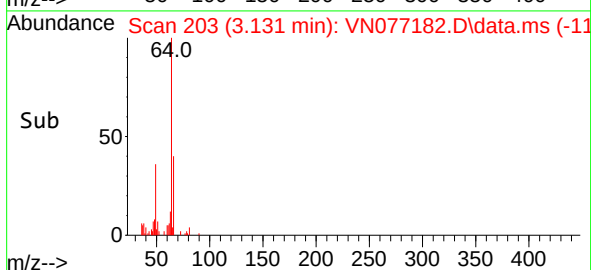
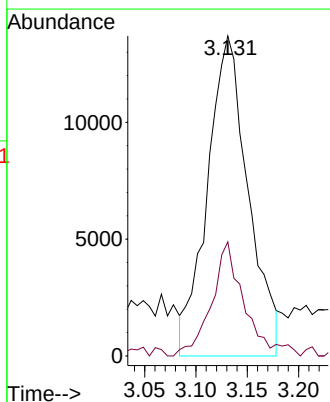
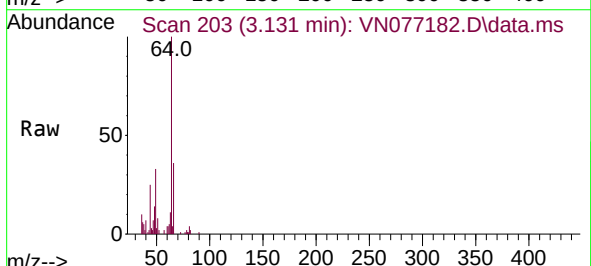
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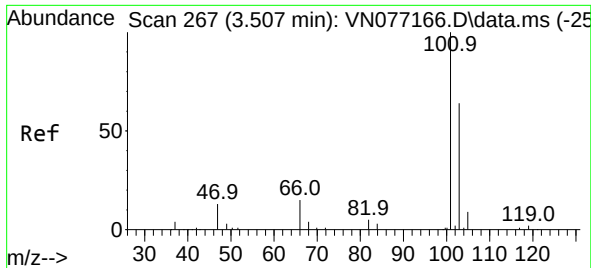
Reviewed By :John Carlone 03/27/2023
Supervised By :Semsettin Yesilyurt 03/27/2023



#6
Chloroethane
Concen: 7.643 ug/l m
RT: 3.131 min Scan# 203
Delta R.T. -0.000 min
Lab File: VN077182.D
Acq: 24 Mar 2023 16:14

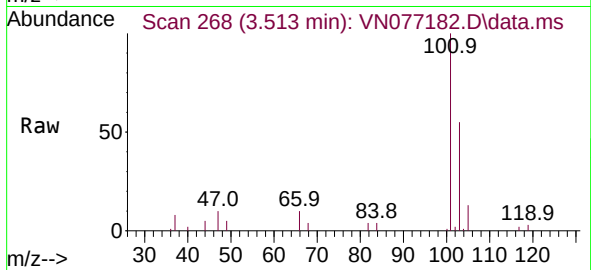
Tgt Ion: 64 Resp: 37955
Ion Ratio Lower Upper
64 100
66 35.7 23.8 35.6#





#7
Trichlorofluoromethane
Concen: 5.496 ug/l
RT: 3.513 min Scan# 268
Delta R.T. 0.006 min
Lab File: VN077182.D
Acq: 24 Mar 2023 16:14

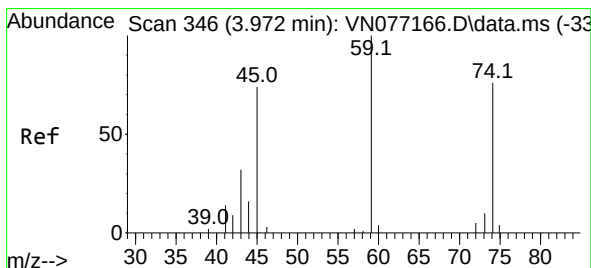
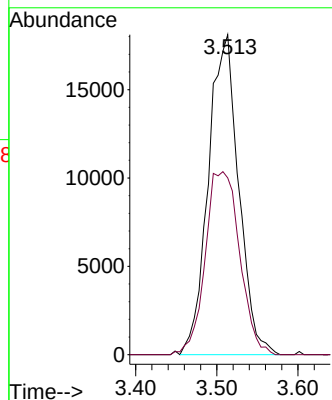
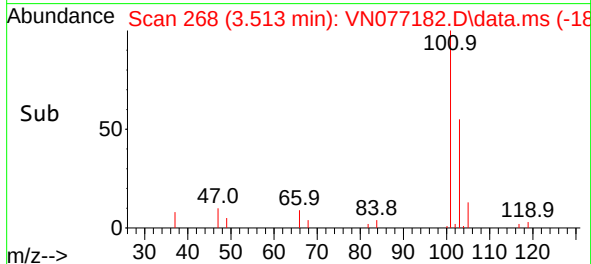
Instrument :
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Tgt Ion:101 Resp: 47130
Ion Ratio Lower Upper
101 100
103 55.3 50.2 75.2

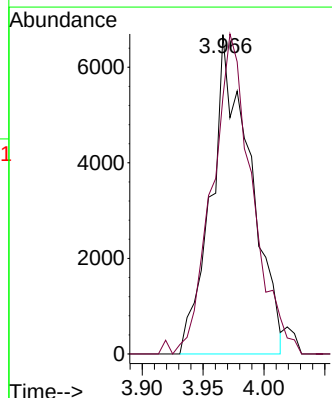
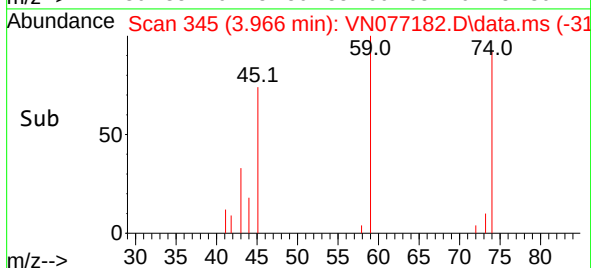
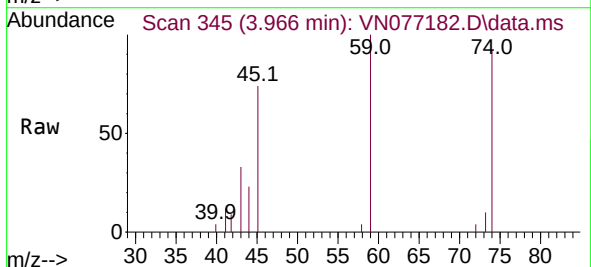
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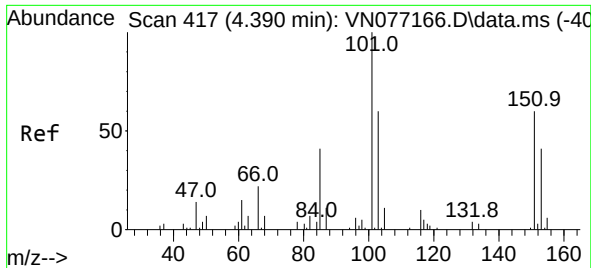
Reviewed By :John Carlone 03/27/2023
Supervised By :Semsettin Yesilyurt 03/27/2023



#8
Diethyl Ether
Concen: 4.950 ug/l
RT: 3.966 min Scan# 345
Delta R.T. -0.006 min
Lab File: VN077182.D
Acq: 24 Mar 2023 16:14

Tgt Ion: 74 Resp: 14893
Ion Ratio Lower Upper
74 100
45 102.2 21.4 193.0





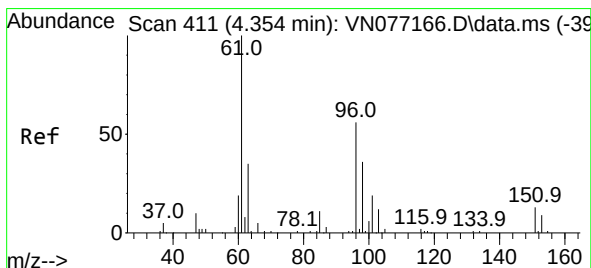
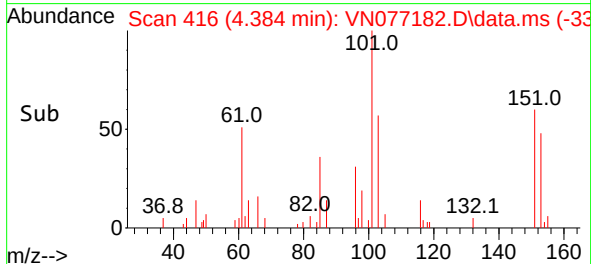
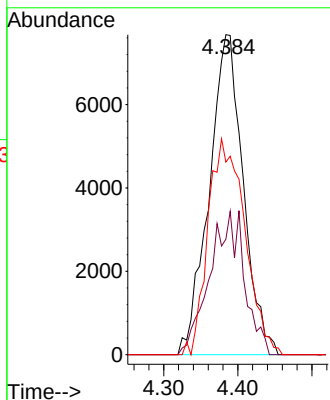
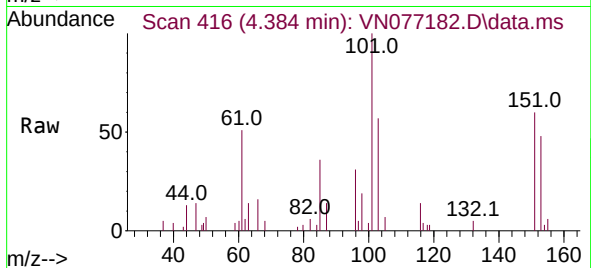
#9
1,1,2-Trichlorotrifluoroethane
Concen: 5.473 ug/l
RT: 4.384 min Scan# 417
Delta R.T. -0.006 min
Lab File: VN077182.D
Acq: 24 Mar 2023 16:14

Instrument :
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ClientSampleId :
LOQ-WATER-02-QT1-2023

Tgt Ion:101 Resp: 24538
Ion Ratio Lower Upper
101 100
85 3.4 0.0 95.2
151 0.0 0.0 142.2

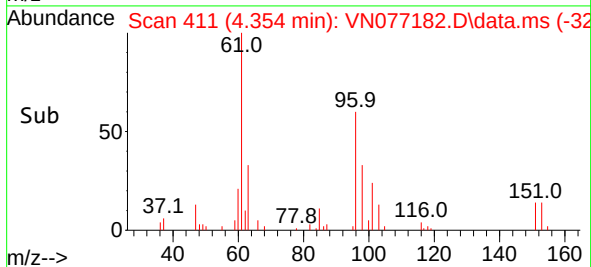
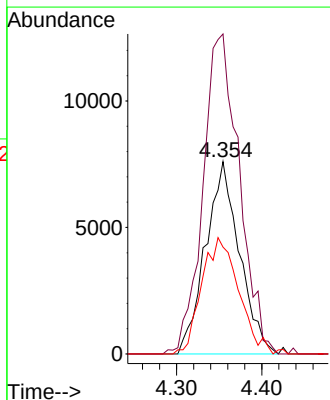
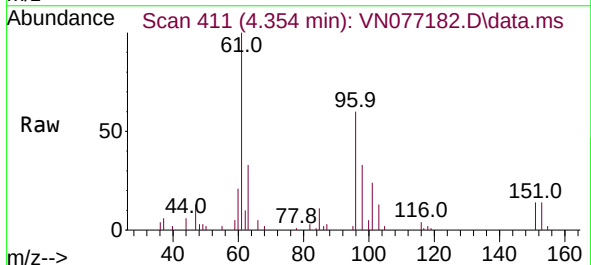
Manual Integrations
APPROVED

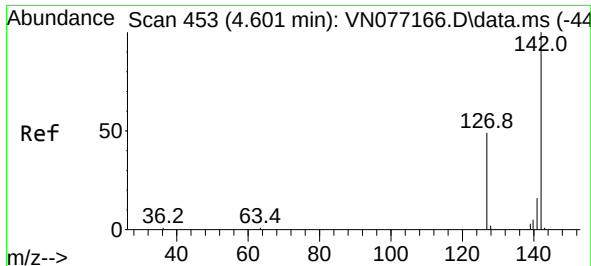
Reviewed By :John Carlone 03/27/2023
Supervised By :Semsettin Yesilyurt 03/27/2023



#10
1,1-Dichloroethene
Concen: 5.010 ug/l
RT: 4.354 min Scan# 411
Delta R.T. 0.000 min
Lab File: VN077182.D
Acq: 24 Mar 2023 16:14

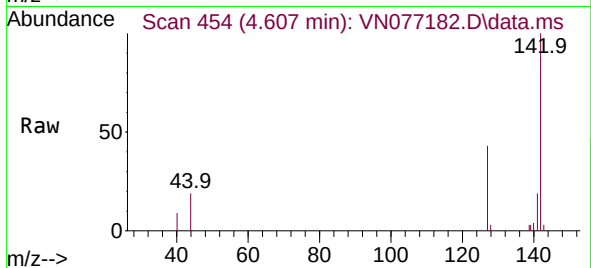
Tgt Ion: 96 Resp: 21020
Ion Ratio Lower Upper
96 100
61 166.4 137.1 205.7
98 53.5 53.2 79.8





#11
Methyl Iodide
Concen: 4.260 ug/l
RT: 4.607 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN077182.D
Acq: 24 Mar 2023 16:14

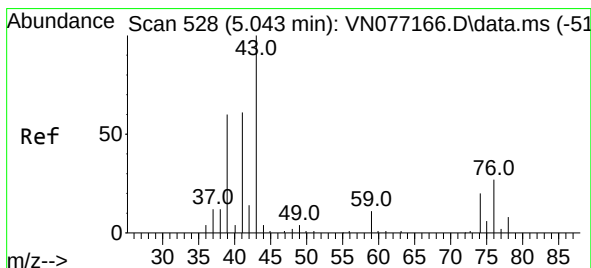
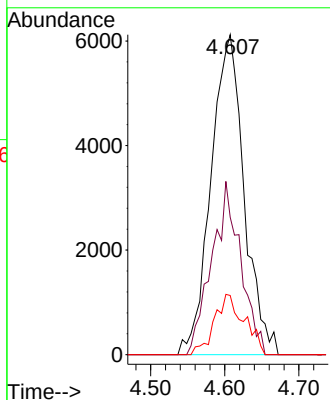
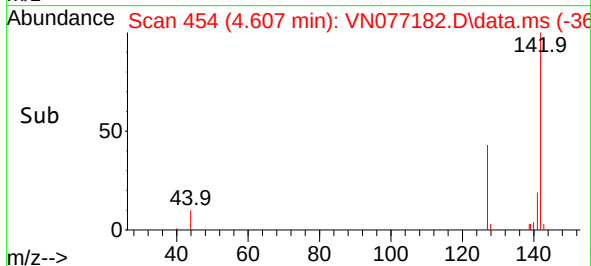
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT1-2023



Tgt Ion:142 Resp: 1903
Ion Ratio Lower Upper
142 100
127 43.0 25.0 75.0
141 18.5 8.0 24.0

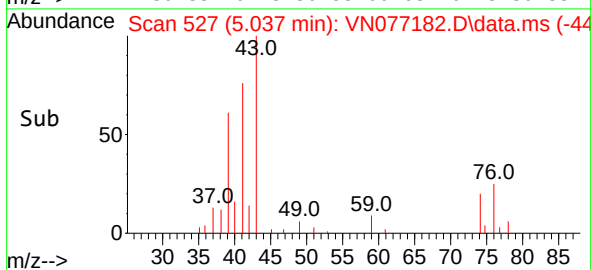
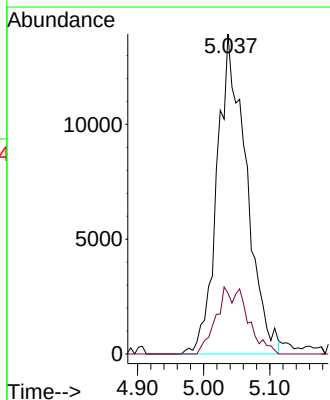
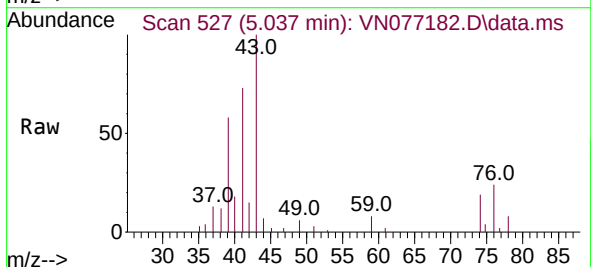
Manual Integrations
APPROVED

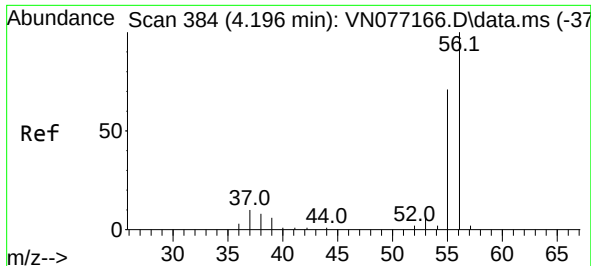
Reviewed By :John Carlone 03/27/2023
Supervised By :Semsettin Yesilyurt 03/27/2023



#12
Methyl Acetate
Concen: 4.721 ug/l m
RT: 5.037 min Scan# 527
Delta R.T. -0.006 min
Lab File: VN077182.D
Acq: 24 Mar 2023 16:14

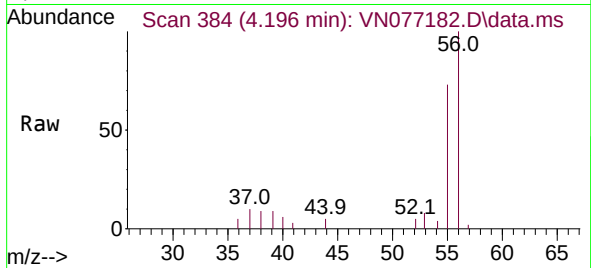
Tgt Ion: 43 Resp: 42706
Ion Ratio Lower Upper
43 100
74 19.0 19.0 28.4





#13
Acrolein
Concen: 23.324 ug/l m
RT: 4.196 min Scan# 384
Delta R.T. -0.000 min
Lab File: VN077182.D
Acq: 24 Mar 2023 16:14

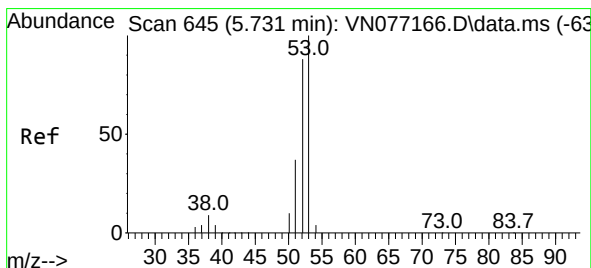
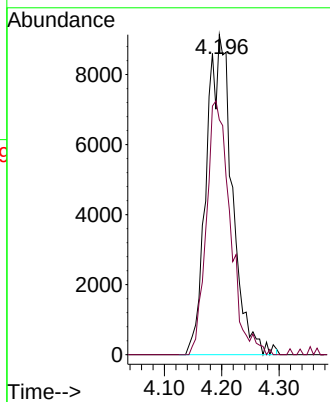
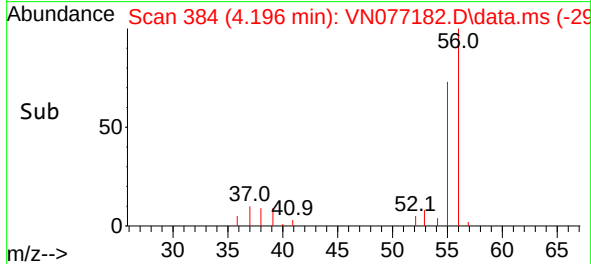
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT1-2023



Tgt Ion: 56 Resp: 28594
Ion Ratio Lower Upper
56 100
55 71.1 55.0 82.4

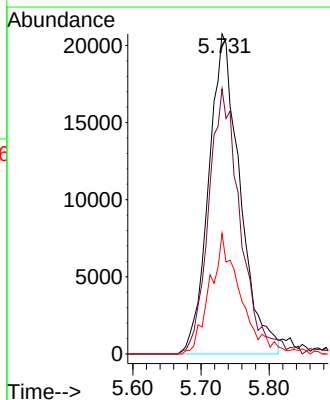
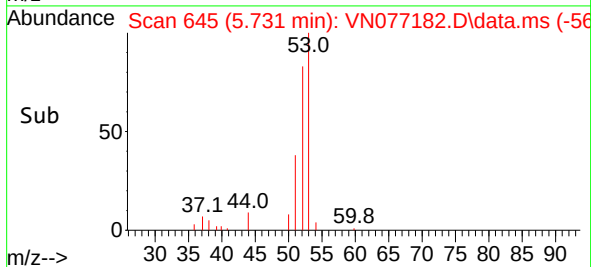
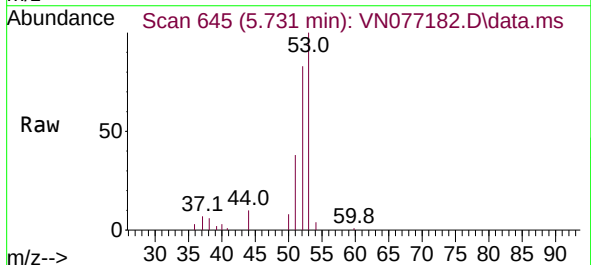
Manual Integrations
APPROVED

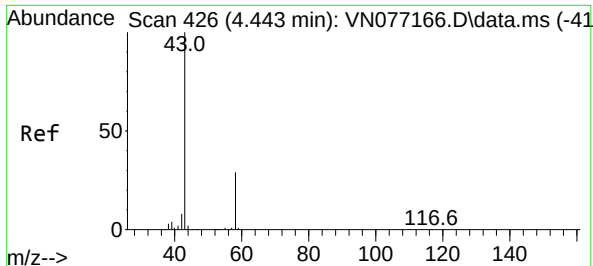
Reviewed By :John Carlone 03/27/2023
Supervised By :Semsettin Yesilyurt 03/27/2023



#14
Acrylonitrile
Concen: 24.115 ug/l
RT: 5.731 min Scan# 645
Delta R.T. -0.000 min
Lab File: VN077182.D
Acq: 24 Mar 2023 16:14

Tgt Ion: 53 Resp: 66177
Ion Ratio Lower Upper
53 100
52 83.4 41.5 124.6
51 24.6 17.6 52.8





#15

Acetone

Concen: 28.580 ug/l

RT: 4.449 min Scan# 41

Delta R.T. 0.006 min

Lab File: VN077182.D

Acq: 24 Mar 2023 16:14

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT1-2023

Tgt Ion: 58 Resp: 2050

Ion Ratio Lower Upper

58 100

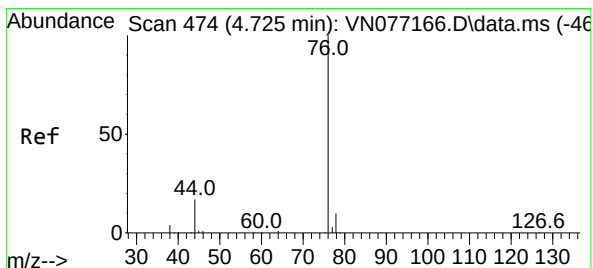
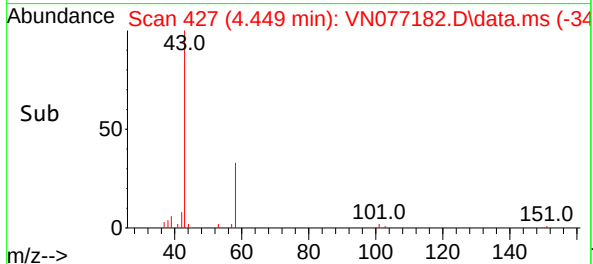
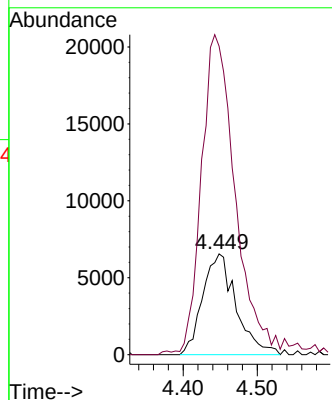
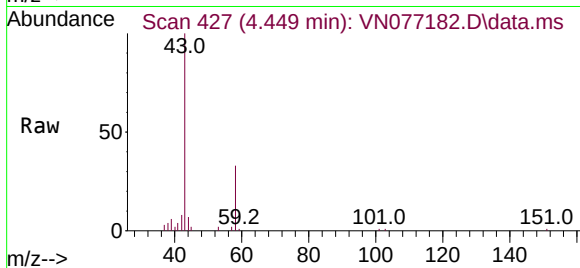
43 302.7 255.4 383.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/27/2023

Supervised By :Semsettin Yesilyurt 03/27/2023



#16

Carbon Disulfide

Concen: 4.893 ug/l

RT: 4.719 min Scan# 473

Delta R.T. -0.006 min

Lab File: VN077182.D

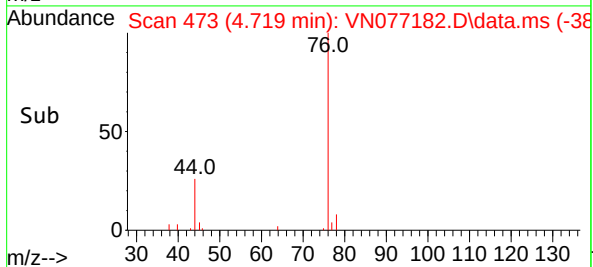
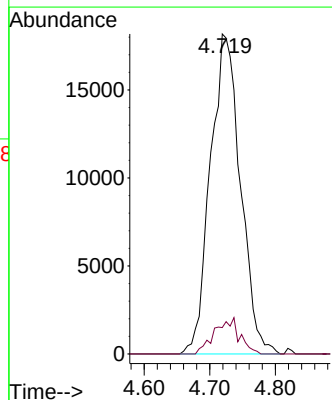
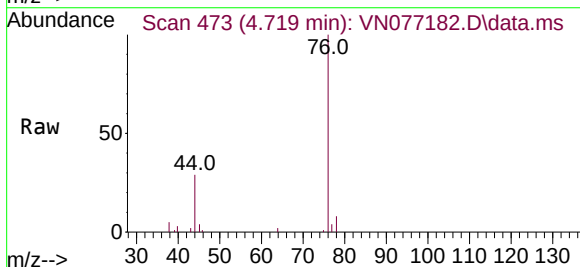
Acq: 24 Mar 2023 16:14

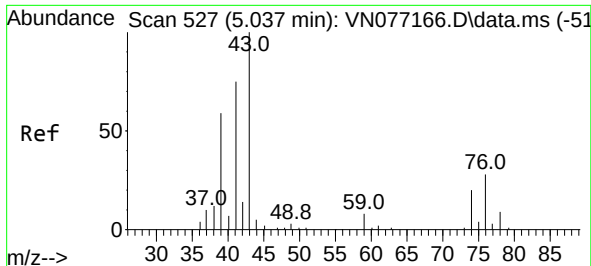
Tgt Ion: 76 Resp: 57979

Ion Ratio Lower Upper

76 100

78 8.3 6.6 9.8





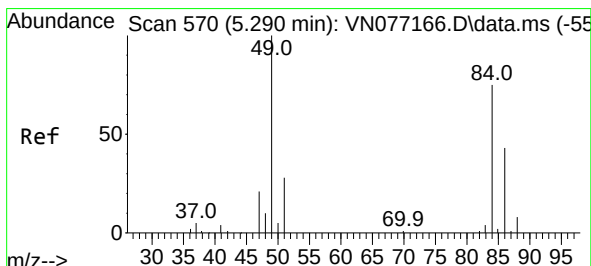
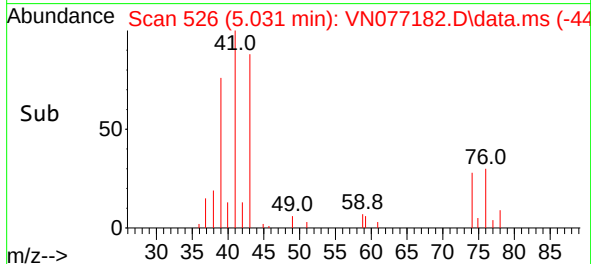
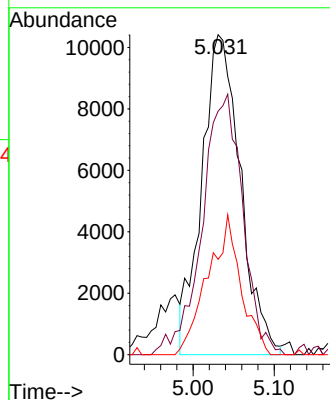
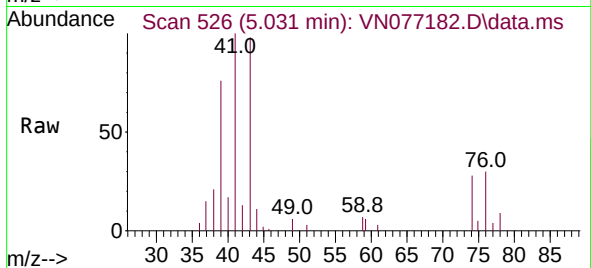
#17
 Allyl chloride
 Concen: 4.675 ug/l
 RT: 5.031 min Scan# 51
 Delta R.T. -0.006 min
 Lab File: VN077182.D
 Acq: 24 Mar 2023 16:14

Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT1-2023

Tgt Ion: 41 Resp: 34494
 Ion Ratio Lower Upper
 41 100
 39 76.4 34.8 104.3
 76 30.6 17.5 52.5

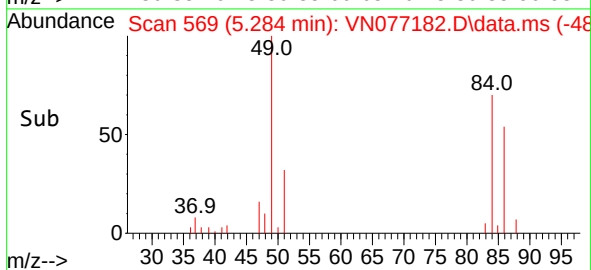
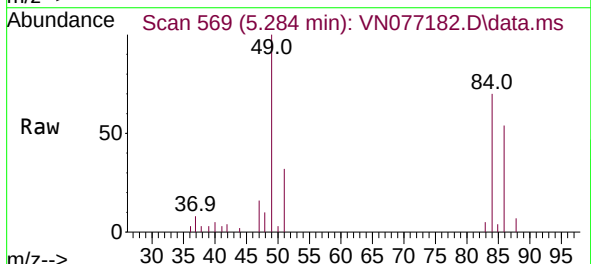
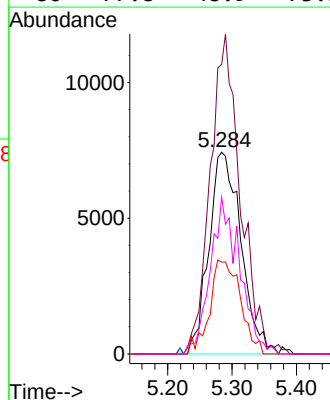
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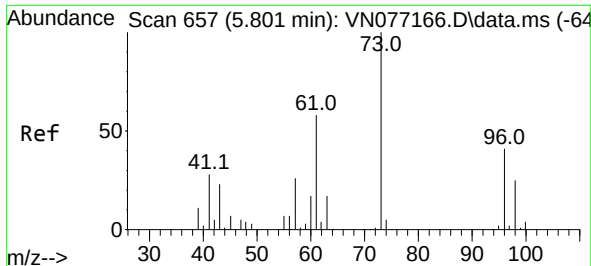
Reviewed By :John Carlone 03/27/2023
 Supervised By :Semsettin Yesilyurt 03/27/2023



#18
 Methylene Chloride
 Concen: 4.988 ug/l m
 RT: 5.284 min Scan# 569
 Delta R.T. -0.006 min
 Lab File: VN077182.D
 Acq: 24 Mar 2023 16:14

Tgt Ion: 84 Resp: 25719
 Ion Ratio Lower Upper
 84 100
 49 143.6 113.8 170.6
 51 45.5 34.2 51.4
 86 77.8 48.9 73.3#





#19

trans-1,2-Dichloroethene

Concen: 5.061 ug/l

RT: 5.790 min Scan# 61

Delta R.T. -0.011 min

Lab File: VN077182.D

Acq: 24 Mar 2023 16:14

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT1-2023

Tgt Ion: 96 Resp: 2274

Ion Ratio Lower Upper

96 100

61 131.9 111.0 166.4

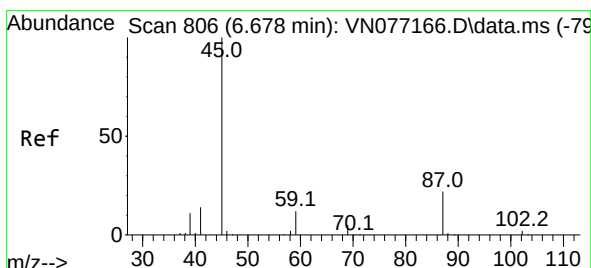
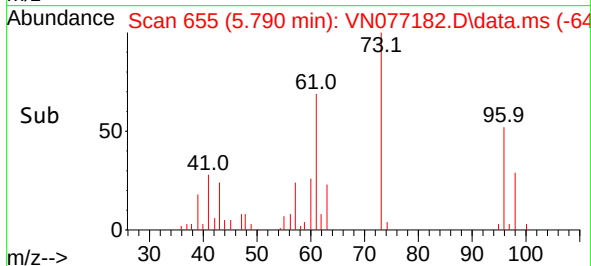
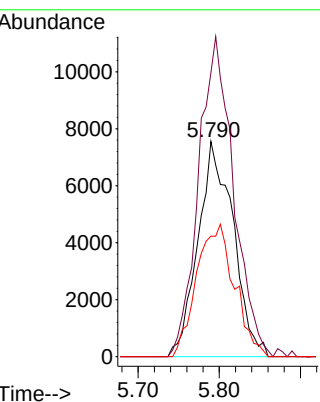
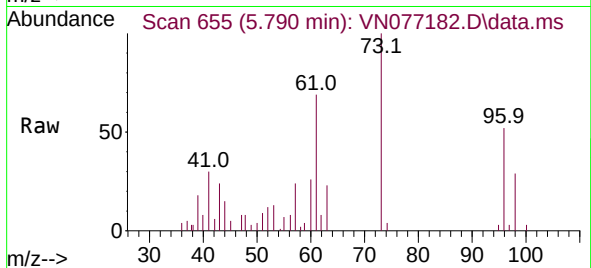
98 55.9 55.0 82.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/27/2023

Supervised By :Semsettin Yesilyurt 03/27/2023



#20

Diisopropyl ether

Concen: 5.034 ug/l m

RT: 6.678 min Scan# 806

Delta R.T. -0.000 min

Lab File: VN077182.D

Acq: 24 Mar 2023 16:14

Tgt Ion: 45 Resp: 84141

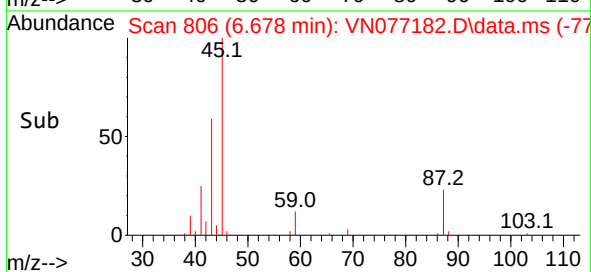
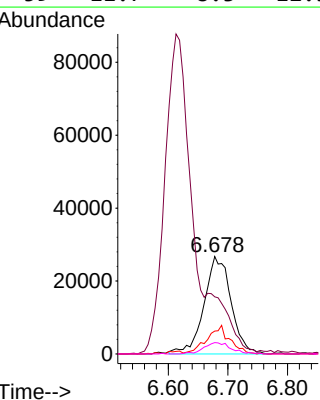
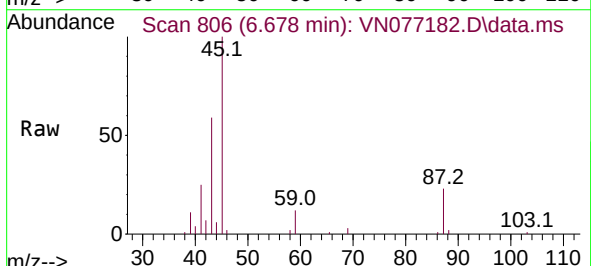
Ion Ratio Lower Upper

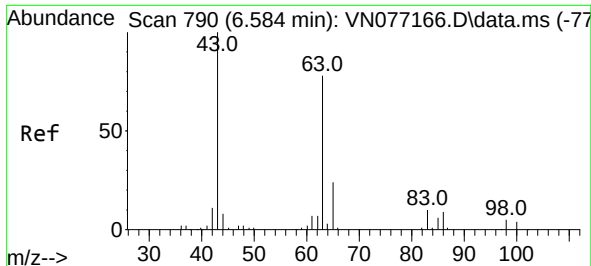
45 100

43 58.7 38.6 58.0#

87 23.4 20.1 30.1

59 11.7 8.3 12.5





#21

1,1-Dichloroethane

Concen: 5.234 ug/l

RT: 6.590 min Scan# 790

Delta R.T. 0.006 min

Lab File: VN077182.D

Acq: 24 Mar 2023 16:14

Instrument :

MSVOA_N

ClientSampleId :

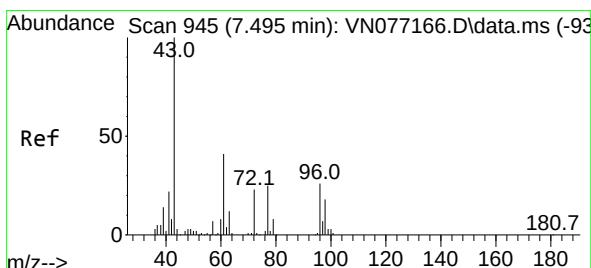
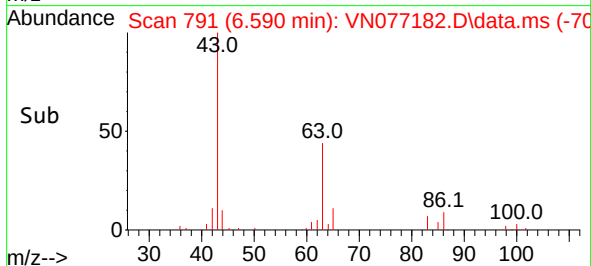
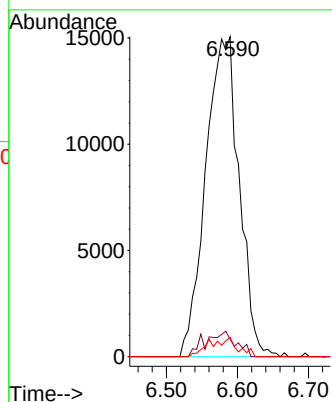
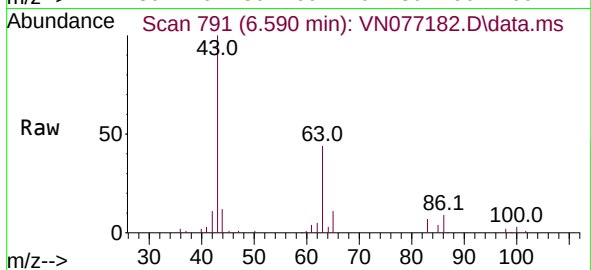
LOQ-WATER-02-QT1-2023

Tgt Ion: 63 Resp: 4925

Ion	Ratio	Lower	Upper
63	100		
98	5.5	3.6	10.9
100	6.0	2.6	7.8

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/27/2023
Supervised By :Semsettin Yesilyurt 03/27/2023



#22

cis-1,2-Dichloroethene

Concen: 4.944 ug/l

RT: 7.495 min Scan# 945

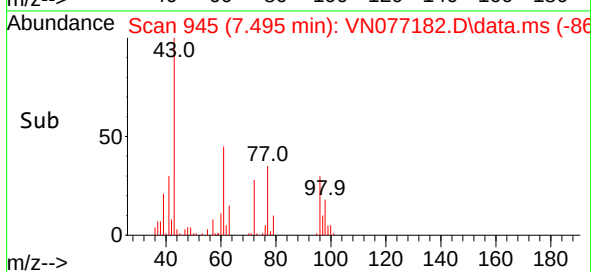
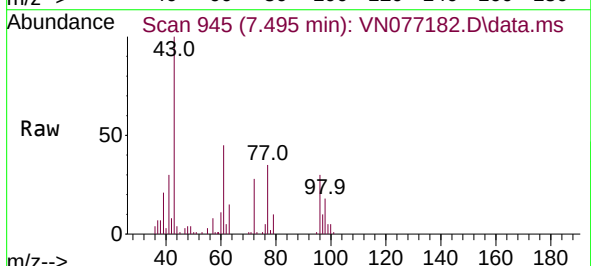
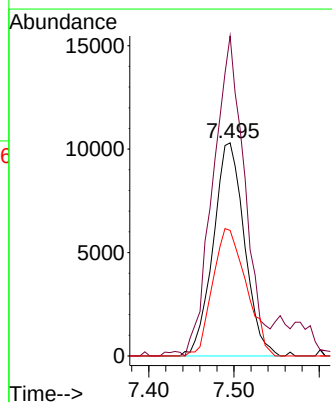
Delta R.T. 0.000 min

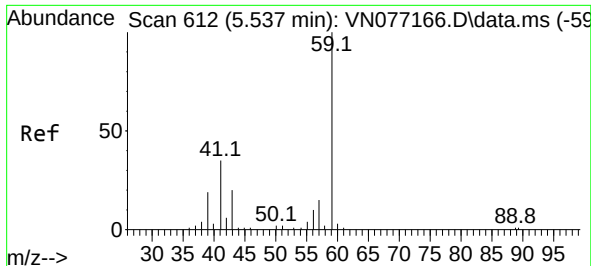
Lab File: VN077182.D

Acq: 24 Mar 2023 16:14

Tgt Ion: 96 Resp: 26237

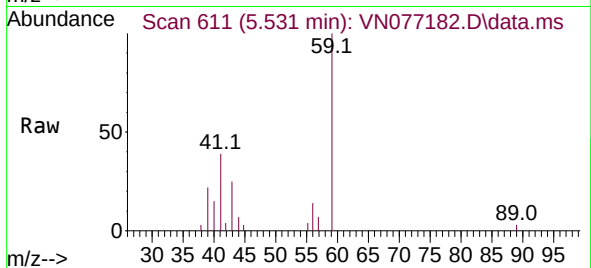
Ion	Ratio	Lower	Upper
96	100		
61	152.3	121.0	181.4
98	64.3	50.1	75.1





#23
tert-Butyl Alcohol
Concen: 22.225 ug/l m
RT: 5.531 min Scan# 611
Delta R.T. -0.006 min
Lab File: VN077182.D
Acq: 24 Mar 2023 16:14

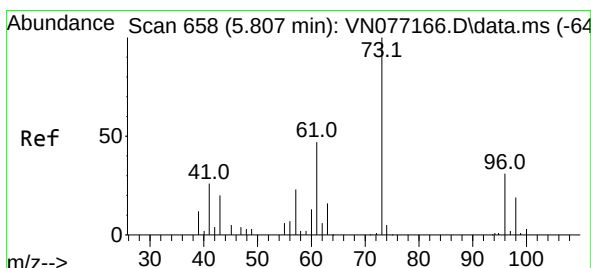
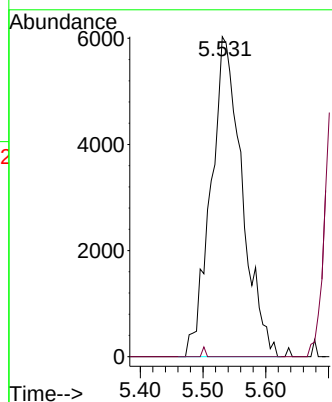
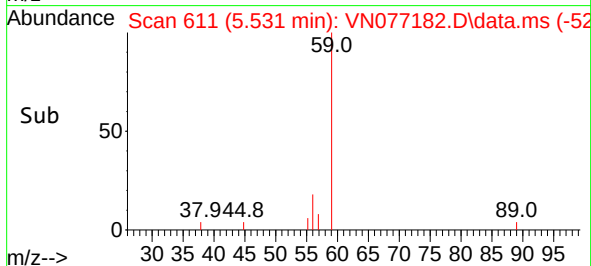
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT1-2023



Tgt Ion: 59 Resp: 2070
Ion Ratio Lower Upper
59 100
52 0.0 0.2 0.2

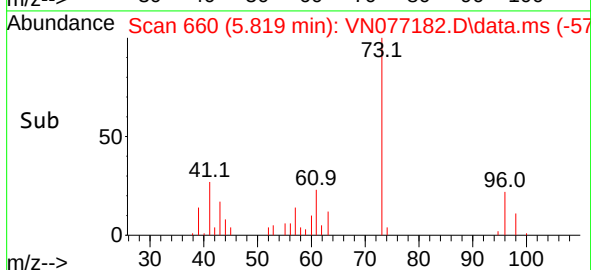
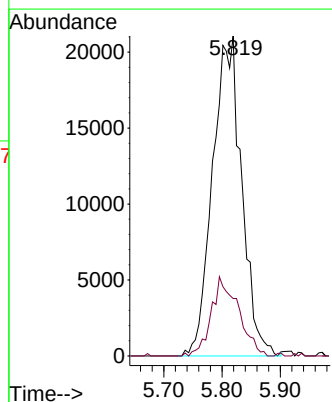
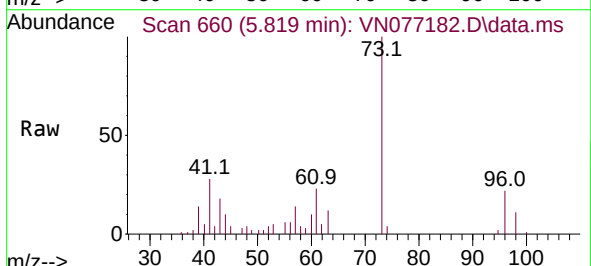
Manual Integrations
APPROVED

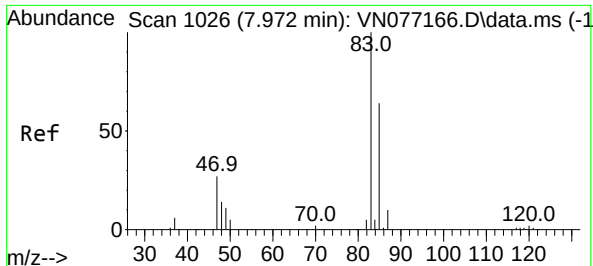
Reviewed By :John Carlone 03/27/2023
Supervised By :Semsettin Yesilyurt 03/27/2023



#24
Methyl tert-Butyl Ether
Concen: 4.904 ug/l m
RT: 5.819 min Scan# 660
Delta R.T. 0.012 min
Lab File: VN077182.D
Acq: 24 Mar 2023 16:14

Tgt Ion: 73 Resp: 73046
Ion Ratio Lower Upper
73 100
43 0.1 17.8 26.6#





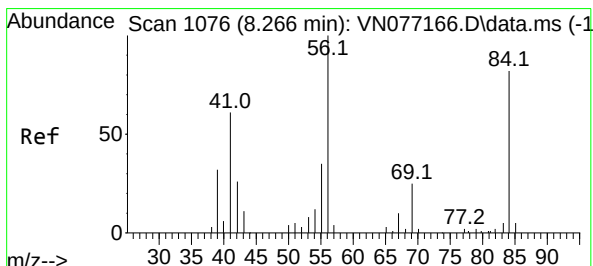
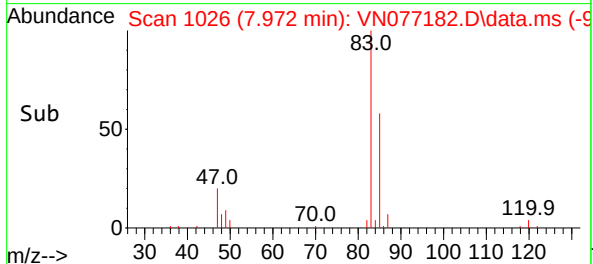
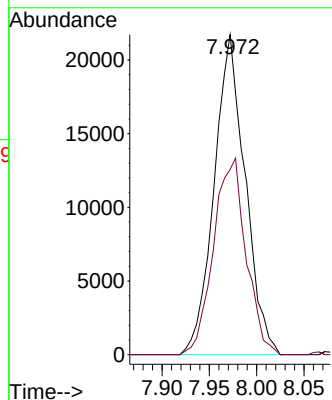
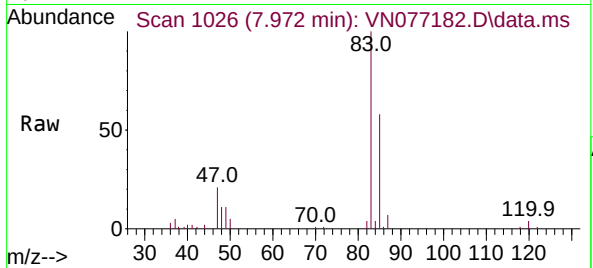
#25
Chloroform
Concen: 5.385 ug/l
RT: 7.972 min Scan# 1026
Delta R.T. -0.000 min
Lab File: VN077182.D
Acq: 24 Mar 2023 16:14

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT1-2023

Tgt Ion: 83 Resp: 49580
Ion Ratio Lower Upper
83 100
85 57.9 51.8 77.6

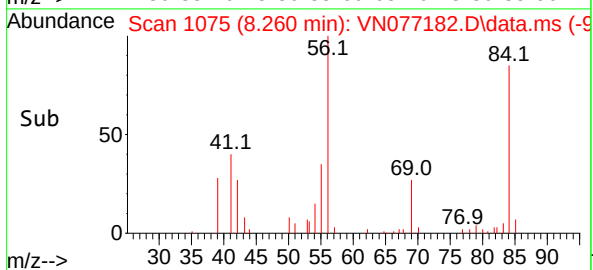
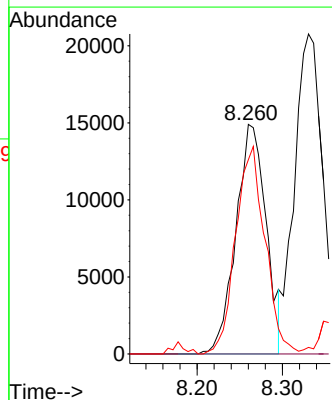
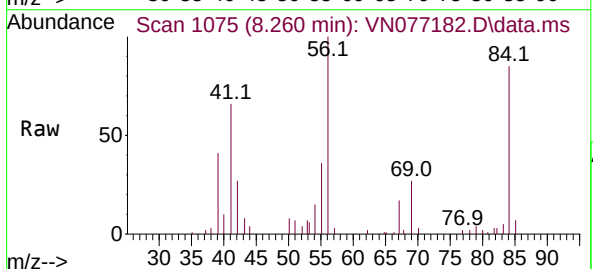
Manual Integrations
APPROVED

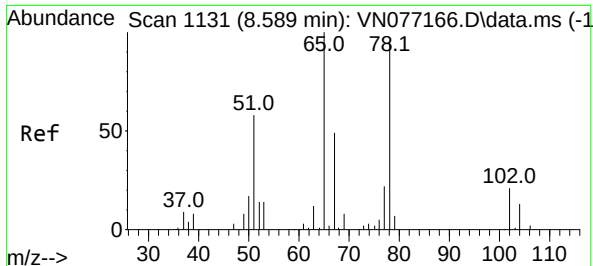
Reviewed By :John Carlone 03/27/2023
Supervised By :Semsettin Yesilyurt 03/27/2023



#26
Cyclohexane
Concen: 4.628 ug/l m
RT: 8.260 min Scan# 1075
Delta R.T. -0.006 min
Lab File: VN077182.D
Acq: 24 Mar 2023 16:14

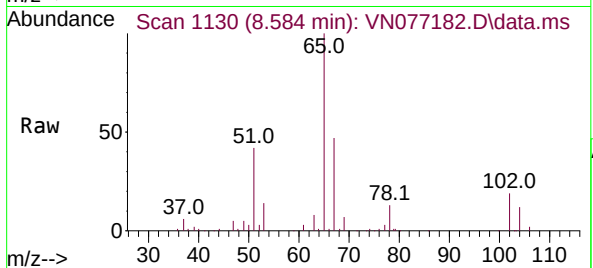
Tgt Ion: 56 Resp: 36730
Ion Ratio Lower Upper
56 100
89 0.0 0.0 0.0
84 87.8 65.3 97.9





#27
1,2-Dichloroethane-d4
Concen: 31.869 ug/l
RT: 8.584 min Scan# 1131
Delta R.T. -0.005 min
Lab File: VN077182.D
Acq: 24 Mar 2023 16:14

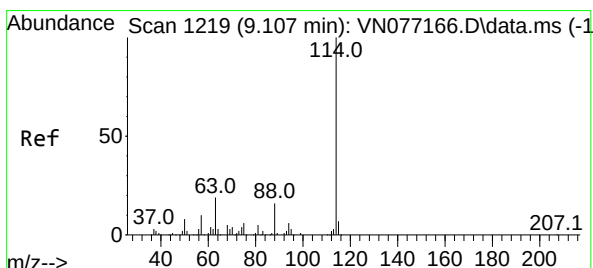
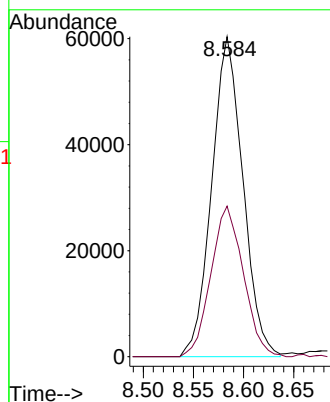
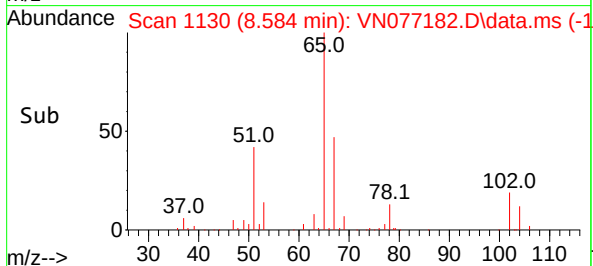
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT1-2023



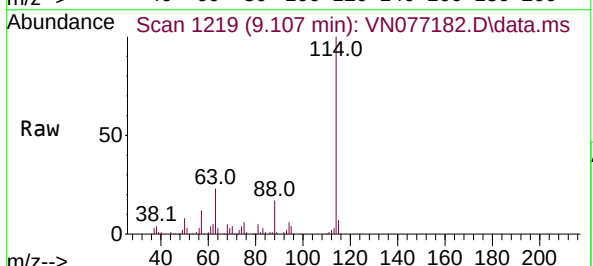
Tgt Ion: 65 Resp: 130488
Ion Ratio Lower Upper
65 100
67 49.0 40.9 61.3

Manual Integrations
APPROVED

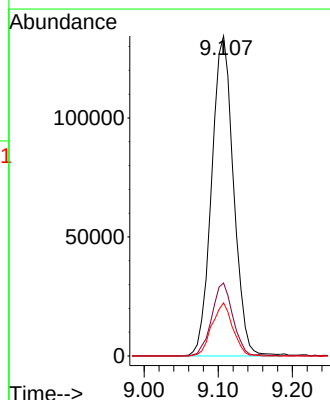
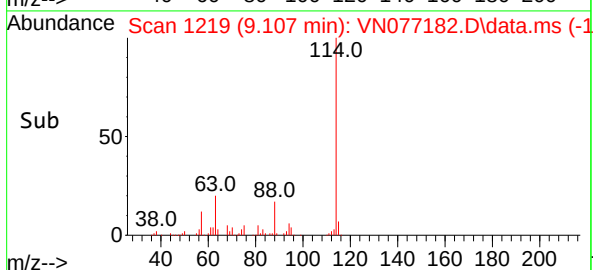
Reviewed By :John Carlone 03/27/2023
Supervised By :Semsettin Yesilyurt 03/27/2023

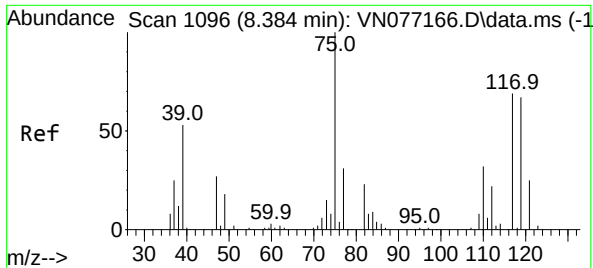


#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.107 min Scan# 1219
Delta R.T. 0.000 min
Lab File: VN077182.D
Acq: 24 Mar 2023 16:14



Tgt Ion:114 Resp: 275924
Ion Ratio Lower Upper
114 100
63 21.9 17.0 25.4
88 15.7 11.6 17.4





#29
1,1-Dichloropropene
Concen: 4.891 ug/l
RT: 8.378 min Scan# 1095
Delta R.T. -0.006 min
Lab File: VN077182.D
Acq: 24 Mar 2023 16:14

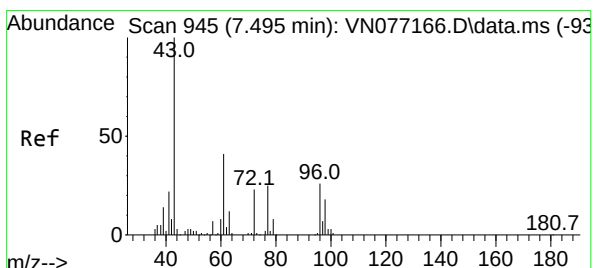
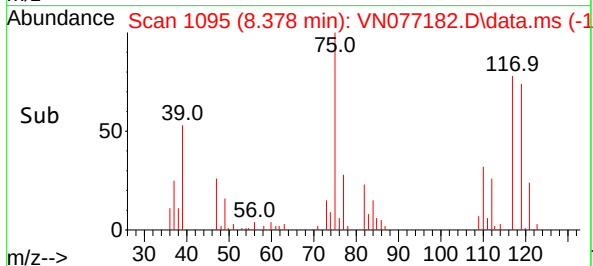
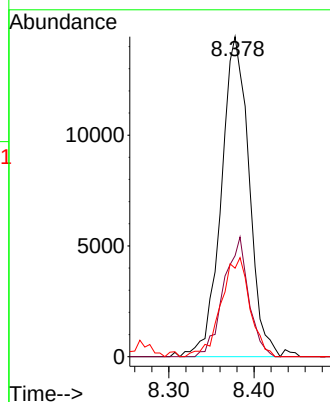
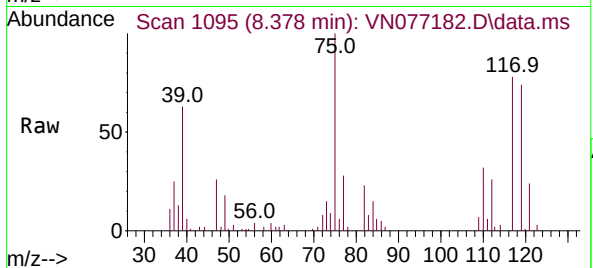
Instrument : MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT1-2023

Tgt Ion: 75 Resp: 3273

Ion	Ratio	Lower	Upper
75	100		
110	33.7	0.0	67.2
77	32.0	0.0	64.4

Manual Integrations
APPROVED

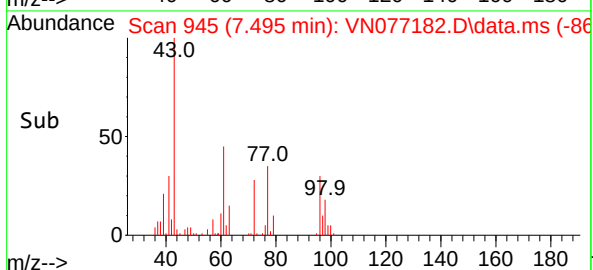
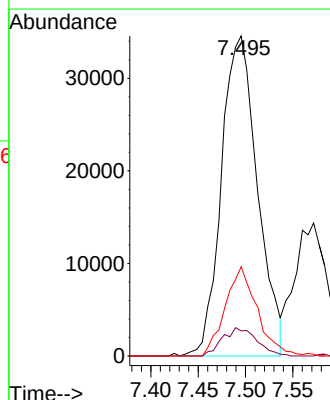
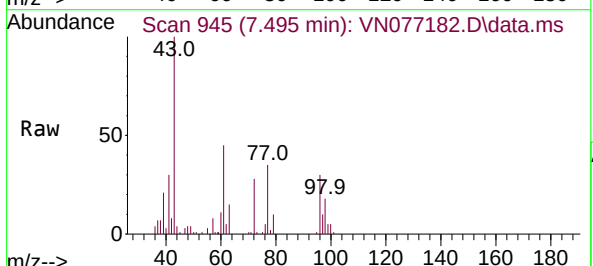
Reviewed By :John Carlone 03/27/2023
Supervised By :Semsettin Yesilyurt 03/27/2023

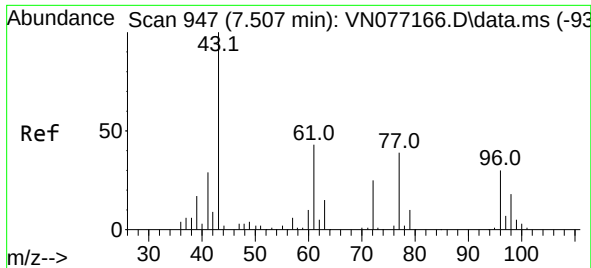


#30
2-Butanone
Concen: 23.717 ug/l
RT: 7.495 min Scan# 945
Delta R.T. 0.000 min
Lab File: VN077182.D
Acq: 24 Mar 2023 16:14

Tgt Ion: 43 Resp: 91584

Ion	Ratio	Lower	Upper
43	100		
57	8.4	6.1	9.1
72	24.6	20.2	30.4





#31

2,2-Dichloropropane

Concen: 5.542 ug/l

RT: 7.495 min Scan# 947

Delta R.T. -0.012 min

Lab File: VN077182.D

Acq: 24 Mar 2023 16:14

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT1-2023

Tgt Ion: 77 Resp: 3475

Ion Ratio Lower Upper

77 100

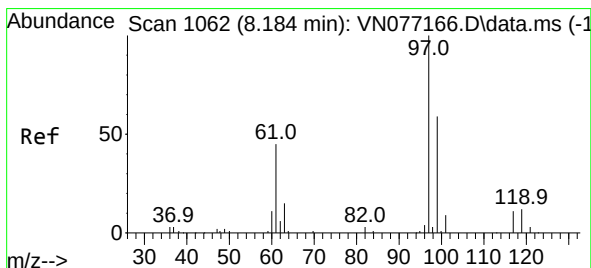
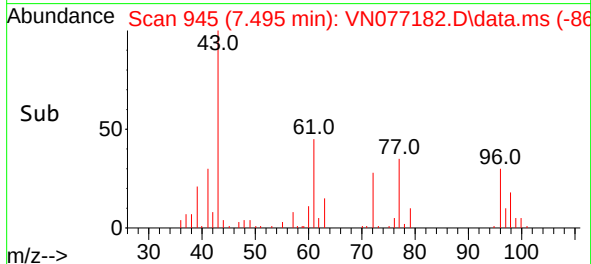
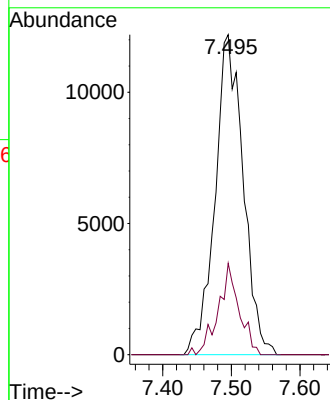
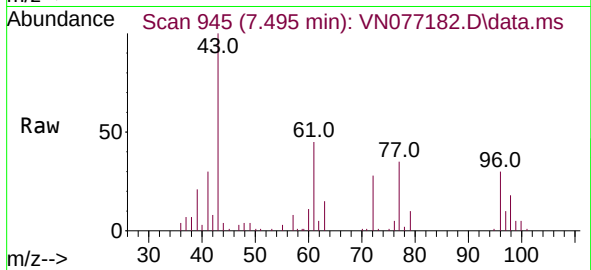
97 0.3 7.2 10.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/27/2023

Supervised By :Semsettin Yesilyurt 03/27/2023



#32

1,1,1-Trichloroethane

Concen: 4.980 ug/l

RT: 8.172 min Scan# 1060

Delta R.T. -0.012 min

Lab File: VN077182.D

Acq: 24 Mar 2023 16:14

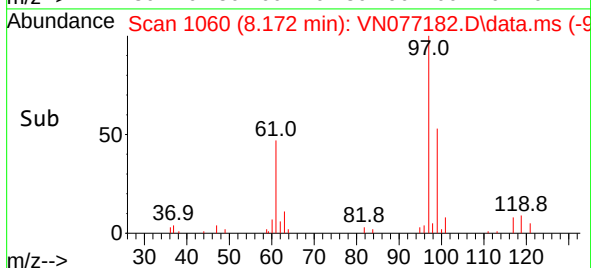
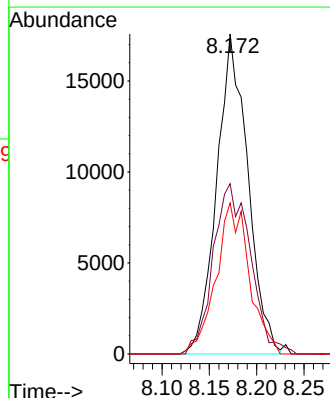
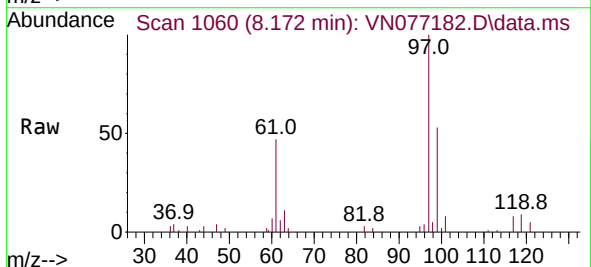
Tgt Ion: 97 Resp: 40191

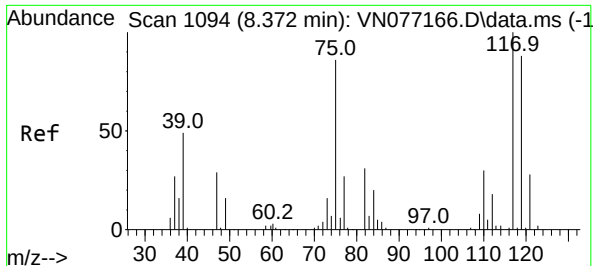
Ion Ratio Lower Upper

97 100

99 62.0 51.8 77.8

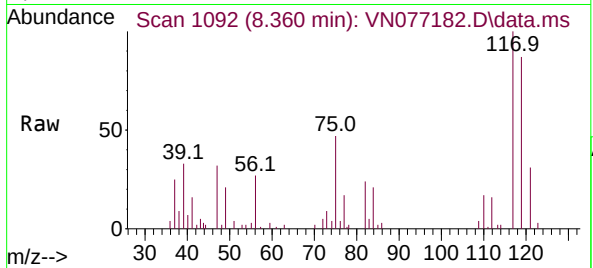
61 50.4 39.3 58.9





#33
Carbon Tetrachloride
Concen: 5.131 ug/l
RT: 8.360 min Scan# 1109
Delta R.T. -0.012 min
Lab File: VN077182.D
Acq: 24 Mar 2023 16:14

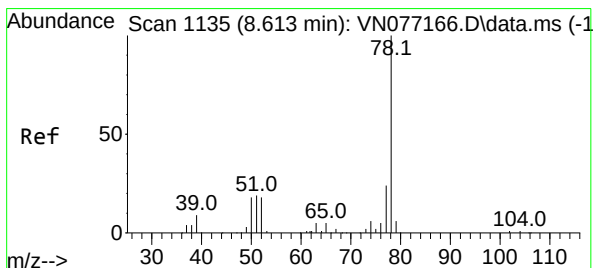
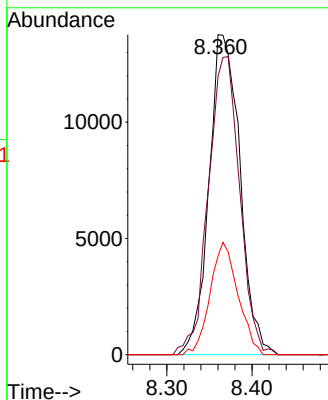
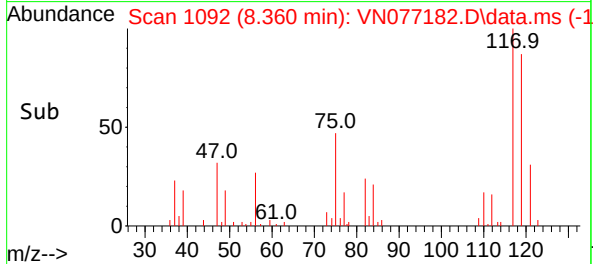
Instrument : MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT1-2023



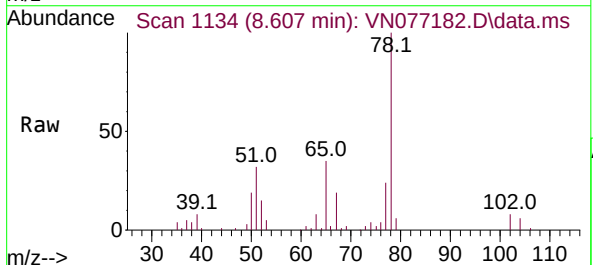
Tgt Ion:117 Resp: 34789
Ion Ratio Lower Upper
117 100
119 87.0 79.8 119.8
121 30.8 23.4 35.0

Manual Integrations
APPROVED

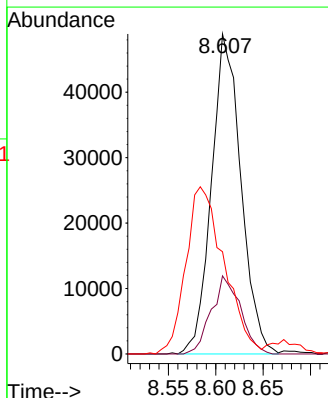
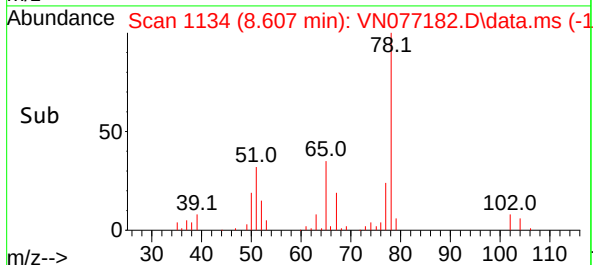
Reviewed By :John Carlone 03/27/2023
Supervised By :Semsettin Yesilyurt 03/27/2023

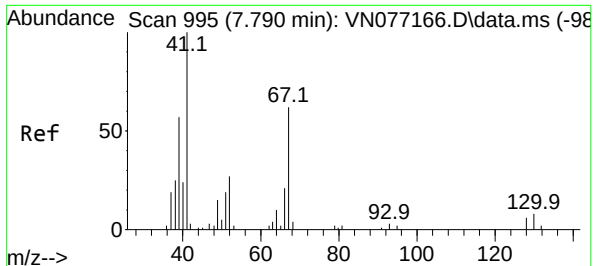


#34
Benzene
Concen: 5.154 ug/l
RT: 8.607 min Scan# 1134
Delta R.T. -0.006 min
Lab File: VN077182.D
Acq: 24 Mar 2023 16:14



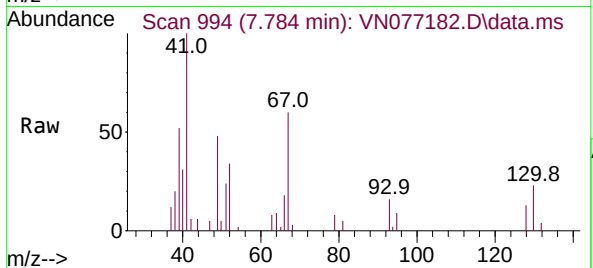
Tgt Ion: 78 Resp: 105740
Ion Ratio Lower Upper
78 100
77 24.4 17.4 26.2
51 28.9 13.8 20.6#





#35
Methacrylonitrile
Concen: 4.495 ug/l
RT: 7.784 min Scan# 994
Delta R.T. -0.006 min
Lab File: VN077182.D
Acq: 24 Mar 2023 16:14

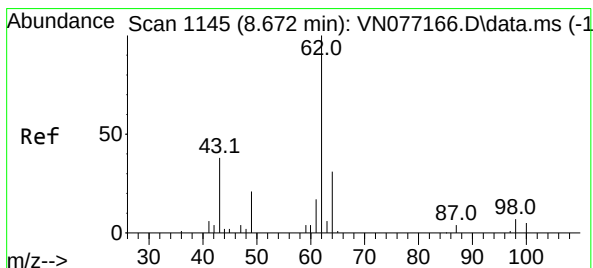
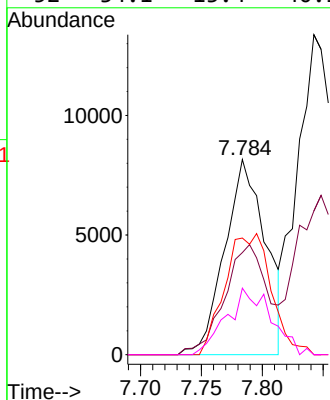
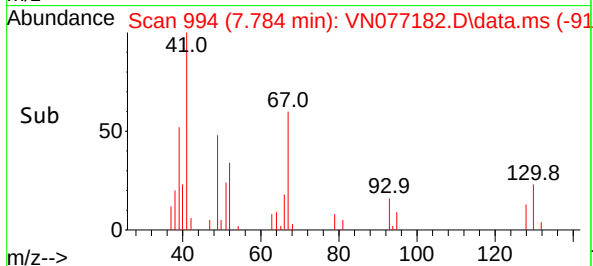
Instrument : MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT1-2023



Tgt Ion: 41 Resp: 1905
Ion Ratio Lower Upper
41 100
39 52.3 26.6 79.7
67 59.7 32.3 96.9
52 34.1 13.4 40.1

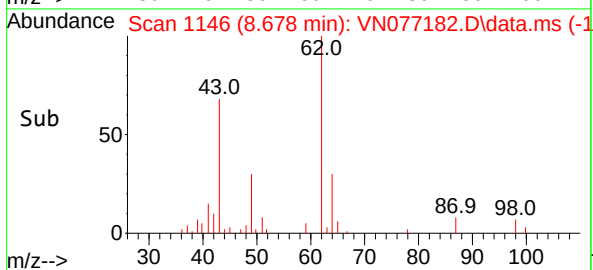
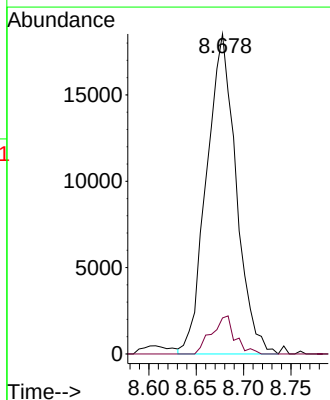
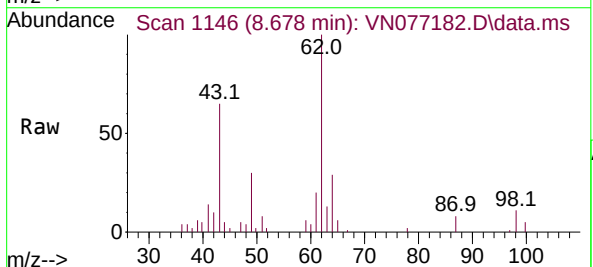
Manual Integrations
APPROVED

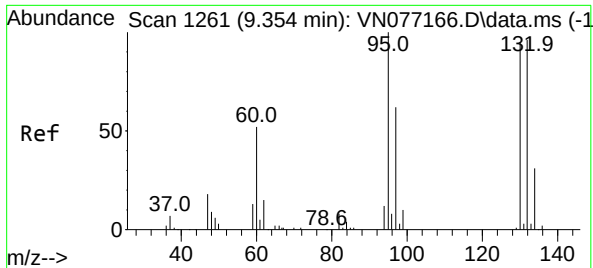
Reviewed By :John Carlone 03/27/2023
Supervised By :Semsettin Yesilyurt 03/27/2023



#36
1,2-Dichloroethane
Concen: 5.324 ug/l
RT: 8.678 min Scan# 1146
Delta R.T. 0.006 min
Lab File: VN077182.D
Acq: 24 Mar 2023 16:14

Tgt Ion: 62 Resp: 40268
Ion Ratio Lower Upper
62 100
98 8.9 7.4 11.0





#37

Trichloroethene

Concen: 5.126 ug/l

RT: 9.360 min Scan# 1261

Delta R.T. 0.006 min

Lab File: VN077182.D

Acq: 24 Mar 2023 16:14

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT1-2023

Tgt Ion:130 Resp: 2377

Ion Ratio Lower Upper

130 100

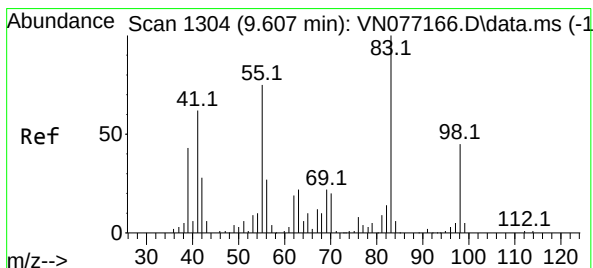
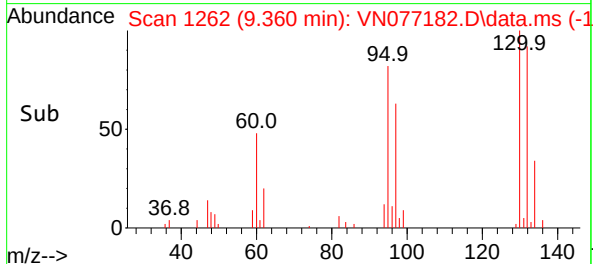
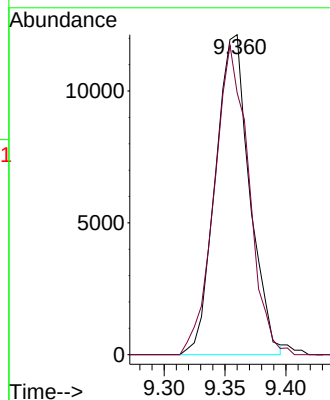
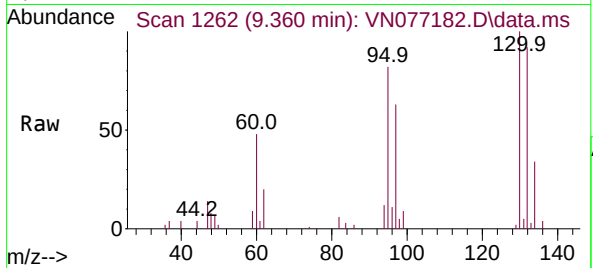
95 81.8 78.7 118.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/27/2023

Supervised By :Semsettin Yesilyurt 03/27/2023



#38

Methylcyclohexane

Concen: 4.434 ug/l

RT: 9.607 min Scan# 1304

Delta R.T. 0.000 min

Lab File: VN077182.D

Acq: 24 Mar 2023 16:14

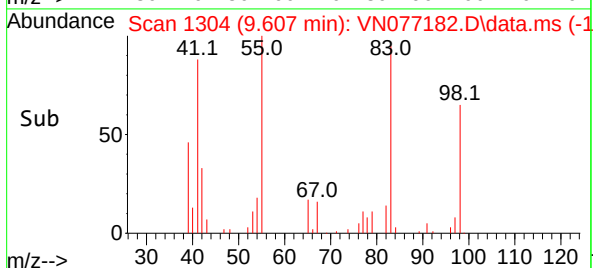
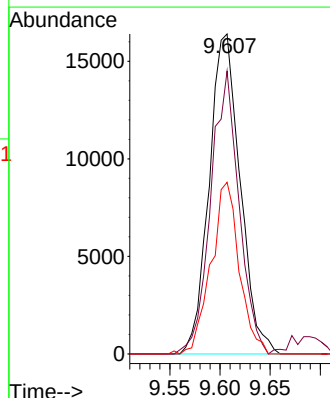
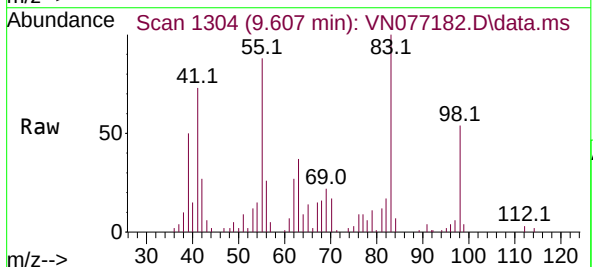
Tgt Ion: 83 Resp: 35330

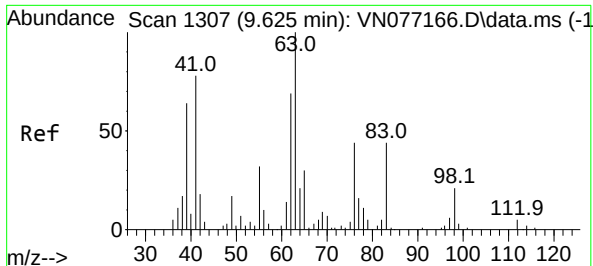
Ion Ratio Lower Upper

83 100

55 80.4 37.6 112.9

98 48.7 24.1 72.4





#39

1,2-Dichloropropane

Concen: 4.936 ug/l

RT: 9.625 min Scan# 1307

Delta R.T. -0.000 min

Lab File: VN077182.D

Acq: 24 Mar 2023 16:14

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT1-2023

Tgt Ion: 63 Resp: 27110

Ion Ratio Lower Upper

63 100

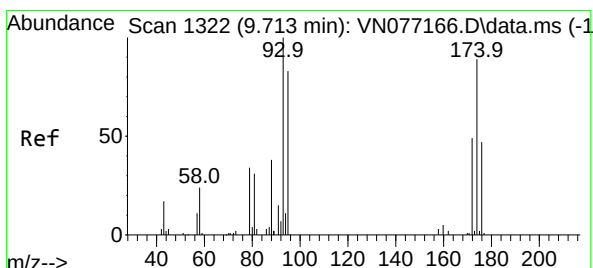
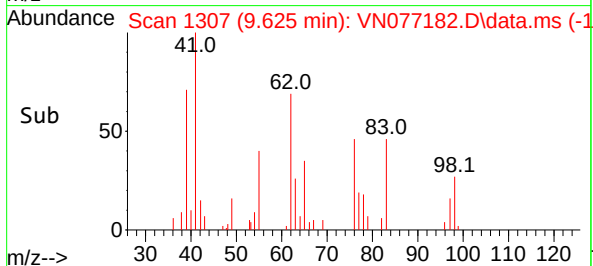
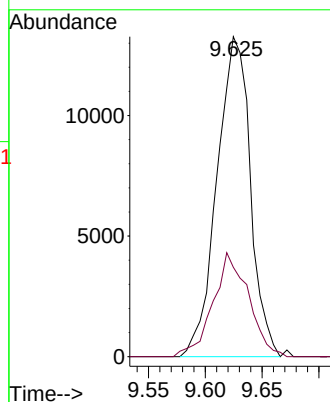
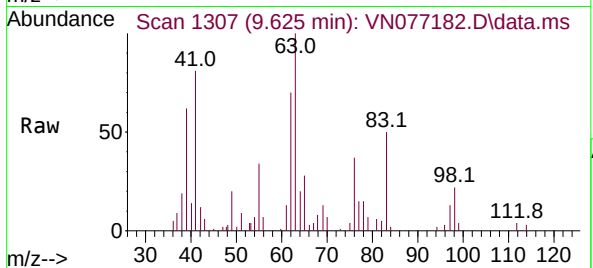
65 26.6 27.2 40.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/27/2023

Supervised By :Semsettin Yesilyurt 03/27/2023



#40

Dibromomethane

Concen: 5.347 ug/l

RT: 9.713 min Scan# 1322

Delta R.T. -0.000 min

Lab File: VN077182.D

Acq: 24 Mar 2023 16:14

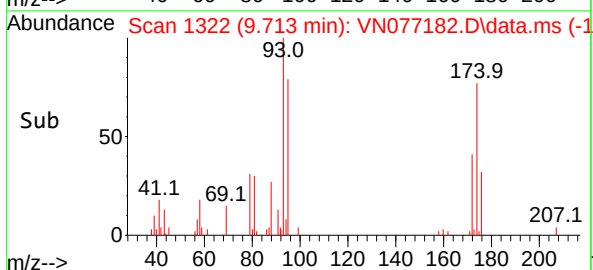
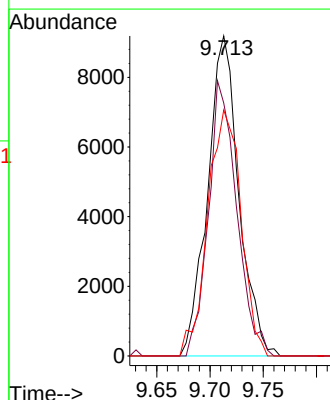
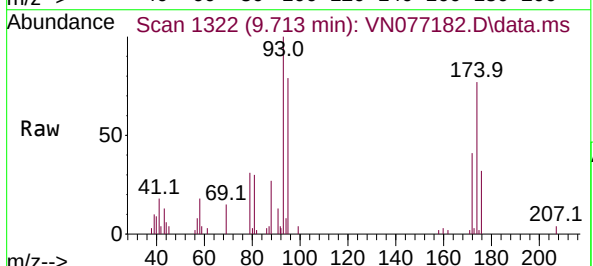
Tgt Ion: 93 Resp: 18782

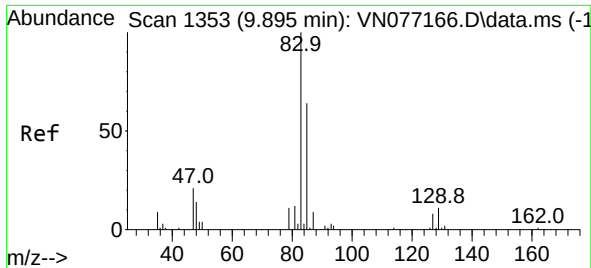
Ion Ratio Lower Upper

93 100

95 77.8 0.0 158.0

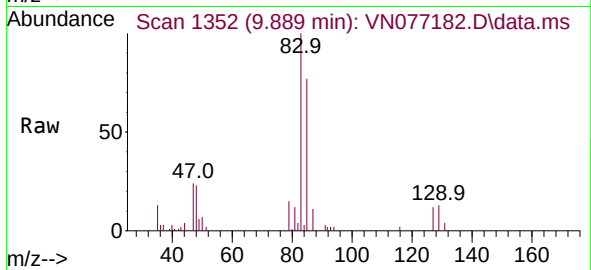
174 81.9 0.0 171.2





#41
Bromodichloromethane
Concen: 4.718 ug/l
RT: 9.889 min Scan# 1352
Delta R.T. -0.006 min
Lab File: VN077182.D
Acq: 24 Mar 2023 16:14

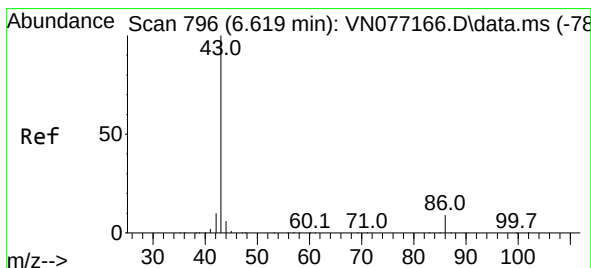
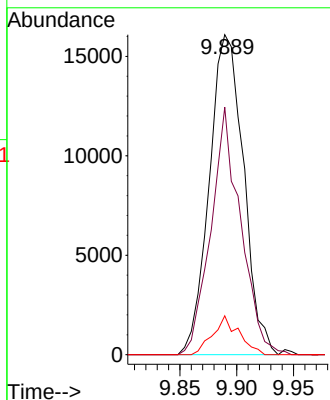
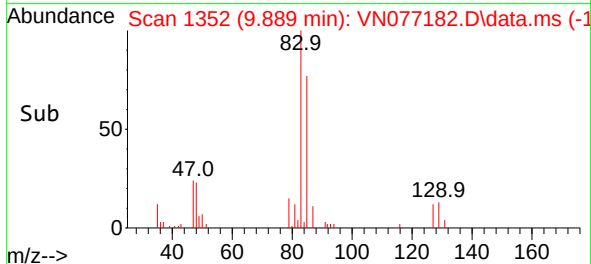
Instrument : MSVOA_N
ClientSampleId : LOQ-WATER-02-QT1-2023



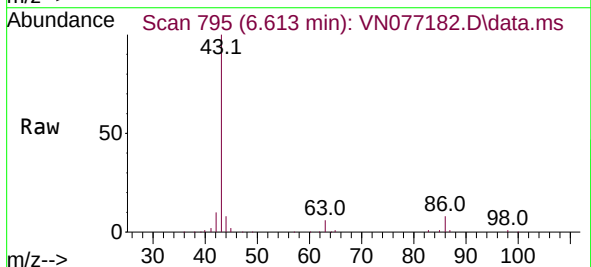
Tgt Ion: 83 Resp: 3374
Ion Ratio Lower Upper
83 100
85 77.3 51.0 76.4
127 12.2 6.2 9.2

Manual Integrations
APPROVED

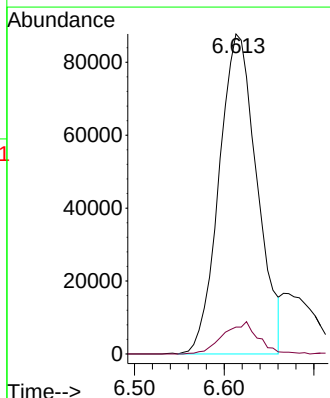
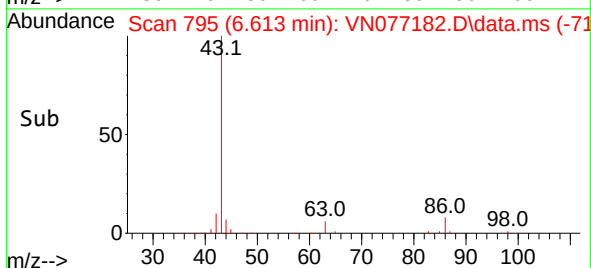
Reviewed By :John Carlone 03/27/2023
Supervised By :Semsettin Yesilyurt 03/27/2023

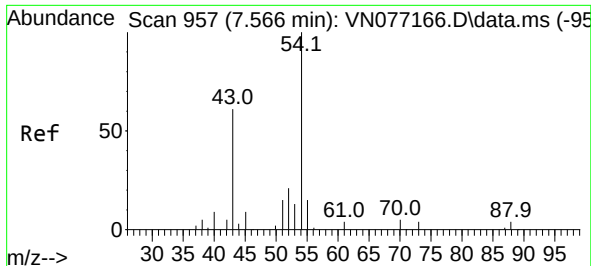


#42
Vinyl Acetate
Concen: 22.222 ug/l
RT: 6.613 min Scan# 795
Delta R.T. -0.006 min
Lab File: VN077182.D
Acq: 24 Mar 2023 16:14



Tgt Ion: 43 Resp: 257211
Ion Ratio Lower Upper
43 100
86 9.1 7.8 11.6





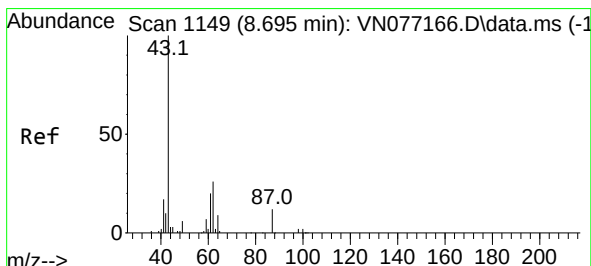
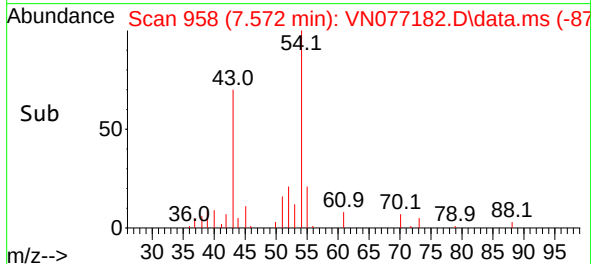
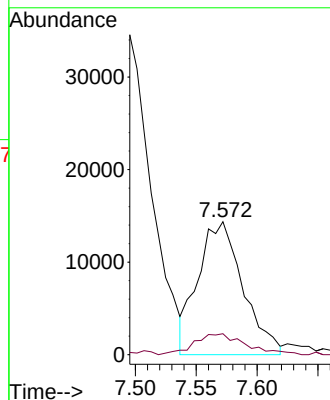
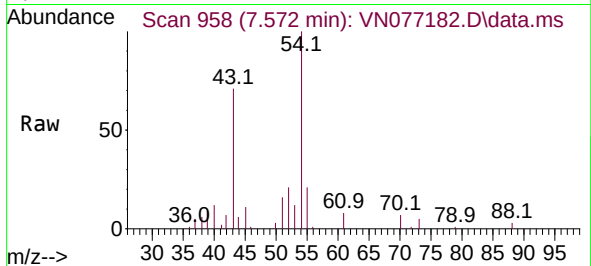
#43
Ethyl Acetate
Concen: 4.782 ug/l
RT: 7.572 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN077182.D
Acq: 24 Mar 2023 16:14

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT1-2023

Tgt Ion: 43 Resp: 3688
Ion Ratio Lower Upper
43 100
45 12.0 11.2 16.8

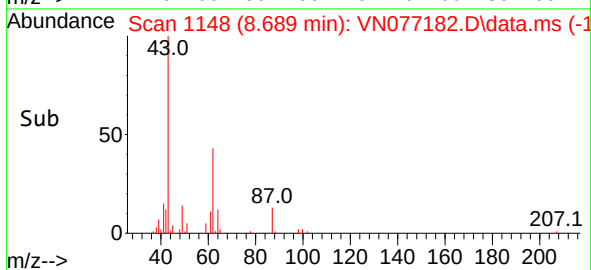
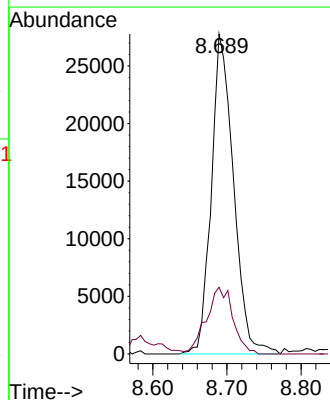
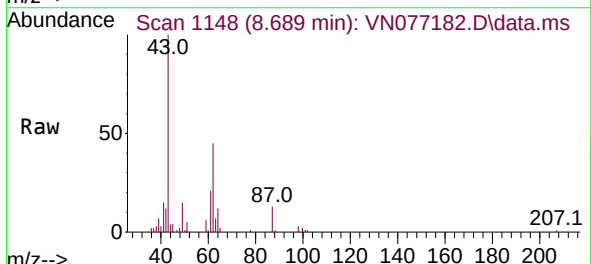
Manual Integrations
APPROVED

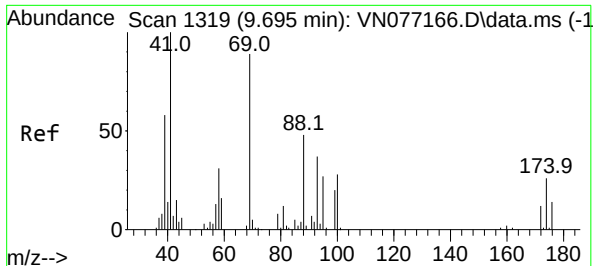
Reviewed By :John Carlone 03/27/2023
Supervised By :Semsettin Yesilyurt 03/27/2023



#44
Isopropyl Acetate
Concen: 4.651 ug/l
RT: 8.689 min Scan# 1148
Delta R.T. -0.006 min
Lab File: VN077182.D
Acq: 24 Mar 2023 16:14

Tgt Ion: 43 Resp: 57902
Ion Ratio Lower Upper
43 100
61 25.0 19.5 29.3





#45

1,4-Dioxane

Concen: 93.533 ug/l

RT: 9.695 min Scan# 1319

Delta R.T. 0.000 min

Lab File: VN077182.D

Acq: 24 Mar 2023 16:14

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT1-2023

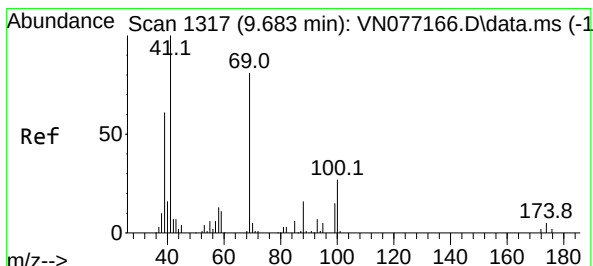
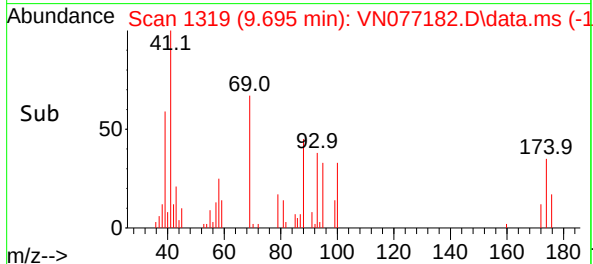
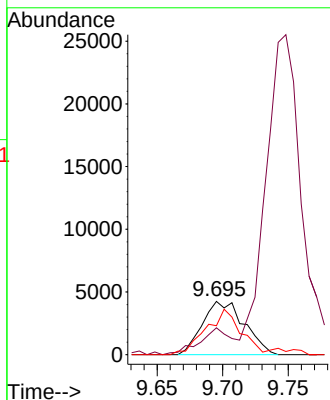
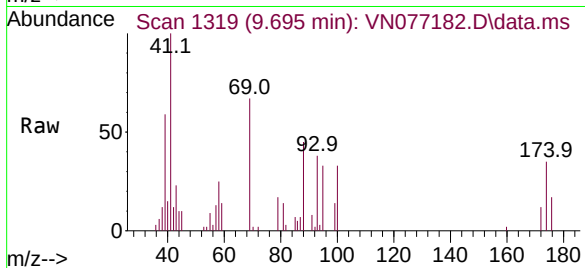
Tgt Ion: 88 Resp: 9468

Ion	Ratio	Lower	Upper
88	100		
43	39.3	26.0	39.0
58	70.9	54.3	81.5

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/27/2023

Supervised By :Semsettin Yesilyurt 03/27/2023



#46

Methyl methacrylate

Concen: 4.447 ug/l

RT: 9.683 min Scan# 1317

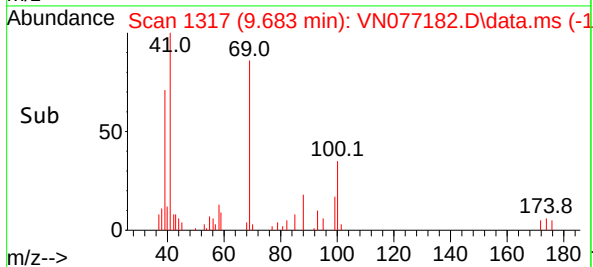
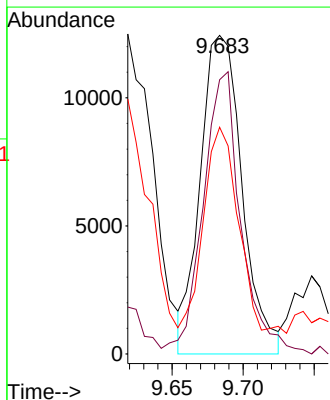
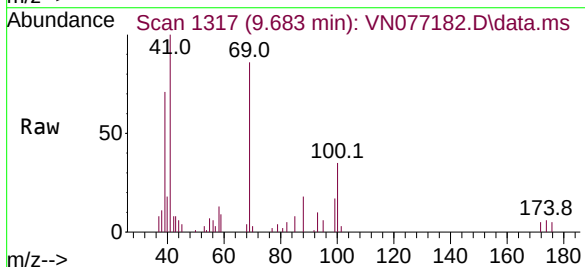
Delta R.T. 0.000 min

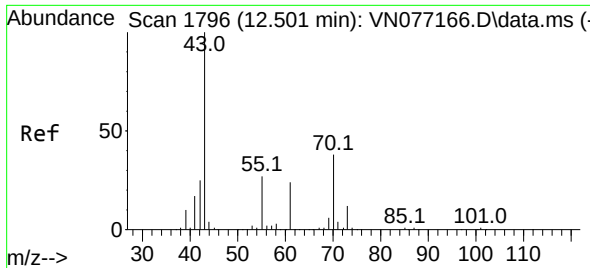
Lab File: VN077182.D

Acq: 24 Mar 2023 16:14

Tgt Ion: 41 Resp: 25524

Ion	Ratio	Lower	Upper
41	100		
69	88.0	40.6	121.7
39	67.7	30.5	91.5





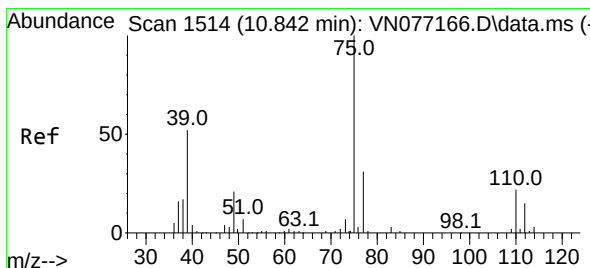
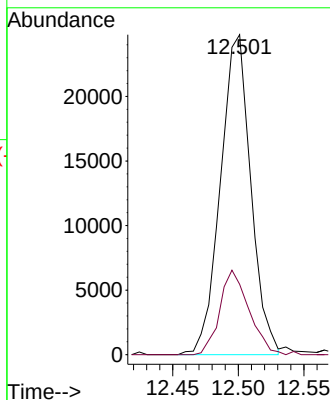
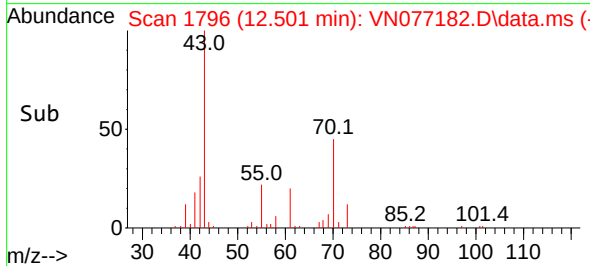
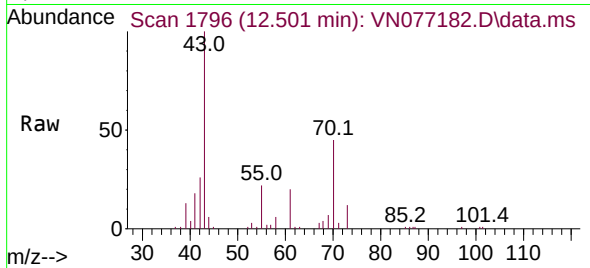
#47
n-amy1 Acetate
Concen: 3.813 ug/l
RT: 12.501 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN077182.D
Acq: 24 Mar 2023 16:14

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT1-2023

Tgt Ion: 43 Resp: 3993
Ion Ratio Lower Upper
43 100
55 25.3 18.3 27.5

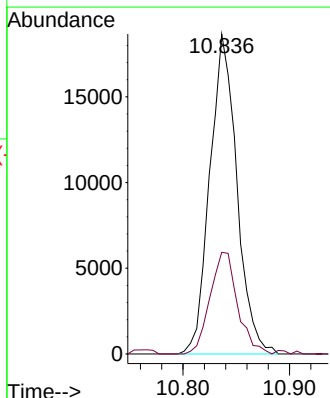
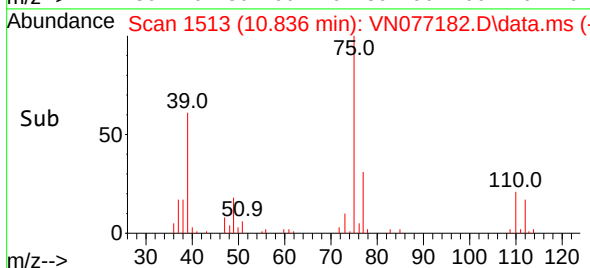
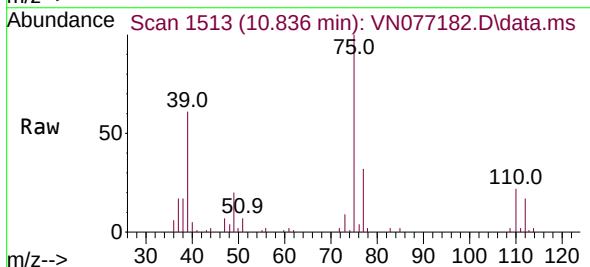
Manual Integrations
APPROVED

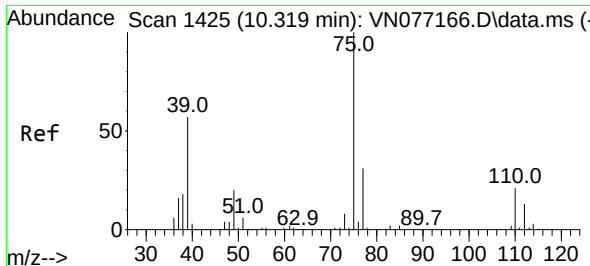
Reviewed By :John Carlone 03/27/2023
Supervised By :Semsettin Yesilyurt 03/27/2023



#48
t-1,3-Dichloropropene
Concen: 4.523 ug/l
RT: 10.836 min Scan# 1513
Delta R.T. -0.006 min
Lab File: VN077182.D
Acq: 24 Mar 2023 16:14

Tgt Ion: 75 Resp: 32860
Ion Ratio Lower Upper
75 100
77 31.8 25.4 38.2





#49

cis-1,3-Dichloropropene

Concen: 4.715 ug/l

RT: 10.313 min Scan# 1425

Delta R.T. -0.006 min

Lab File: VN077182.D

Acq: 24 Mar 2023 16:14

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT1-2023

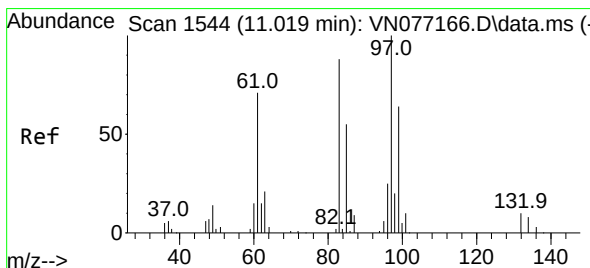
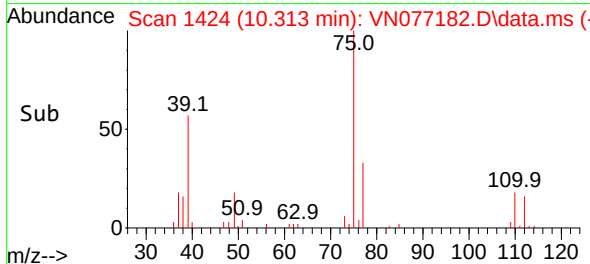
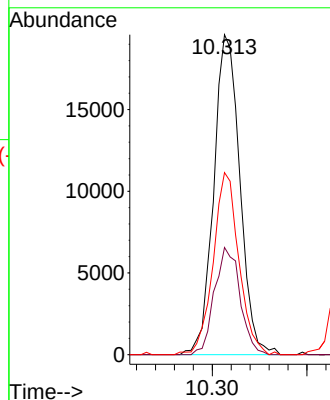
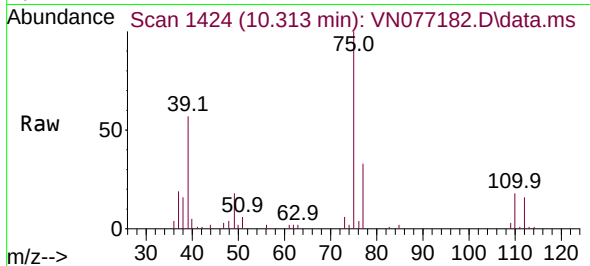
Tgt Ion: 75	Resp: 37504
Ion Ratio	Lower Upper
75 100	
77 33.5	27.5 41.3
39 56.9	43.5 65.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/27/2023

Supervised By :Semsettin Yesilyurt 03/27/2023



#50

1,1,2-Trichloroethane

Concen: 5.083 ug/l

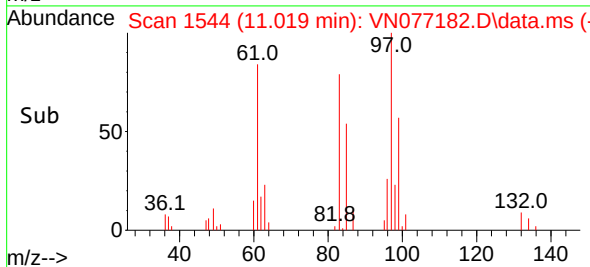
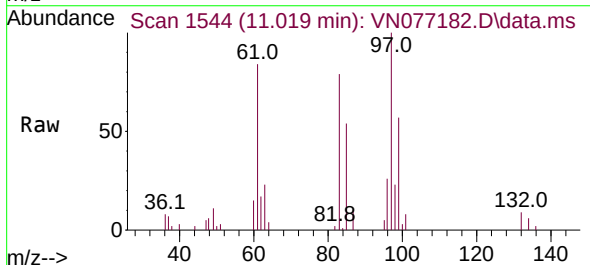
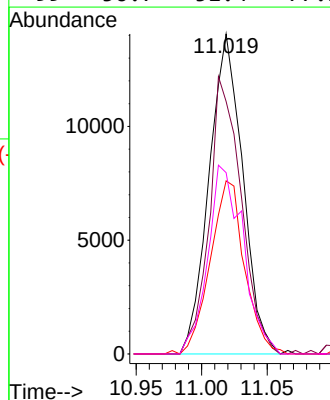
RT: 11.019 min Scan# 1544

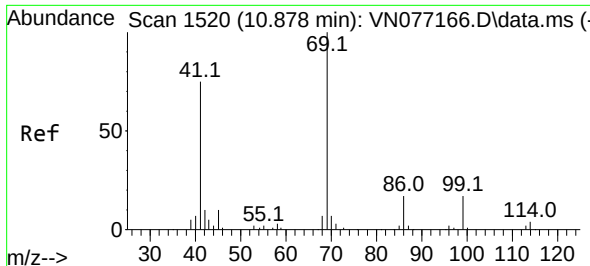
Delta R.T. -0.000 min

Lab File: VN077182.D

Acq: 24 Mar 2023 16:14

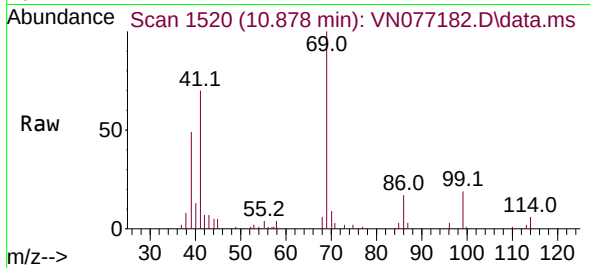
Tgt Ion: 97	Resp: 25065
Ion Ratio	Lower Upper
97 100	
83 78.9	71.0 106.4
85 54.1	45.5 68.3
99 56.7	51.4 77.2





#51
Ethyl methacrylate
Concen: 3.980 ug/l
RT: 10.878 min Scan# 1520
Delta R.T. -0.000 min
Lab File: VN077182.D
Acq: 24 Mar 2023 16:14

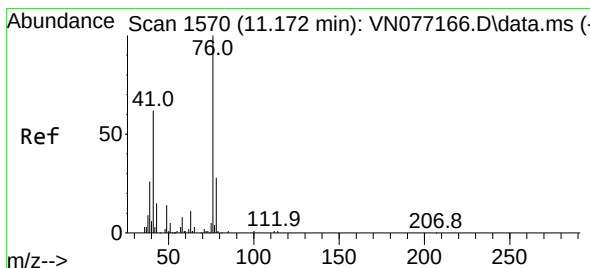
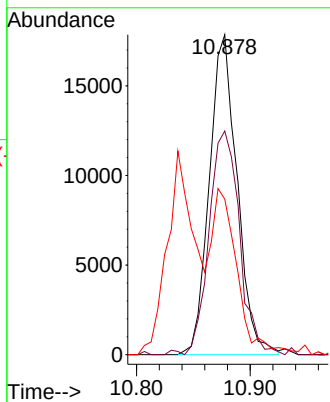
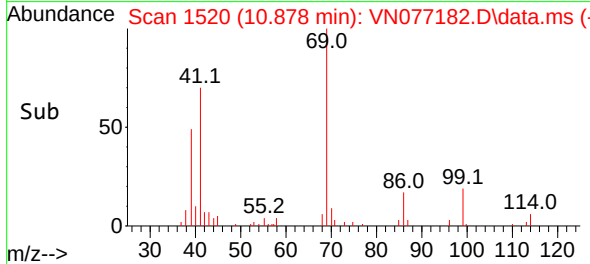
Instrument : MSVOA_N
ClientSampleId : LOQ-WATER-02-QT1-2023



Tgt Ion: 69 Resp: 3029
Ion Ratio Lower Upper
69 100
41 68.9 36.3 108.7
39 46.4 19.9 59.7

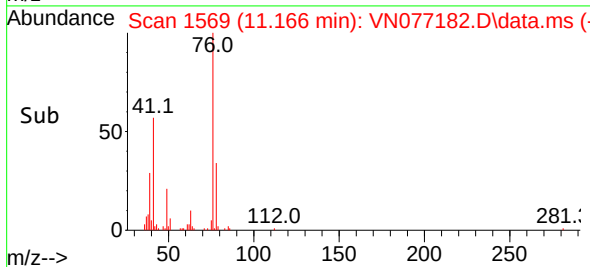
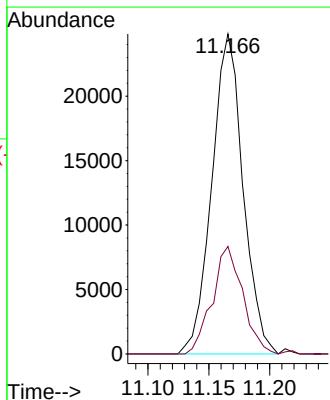
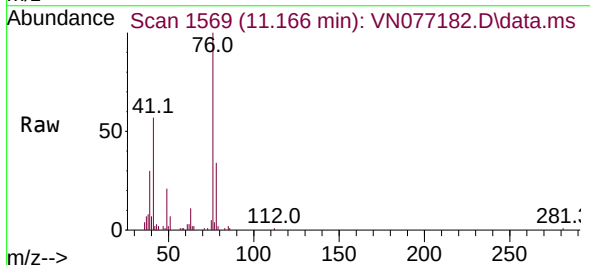
Manual Integrations
APPROVED

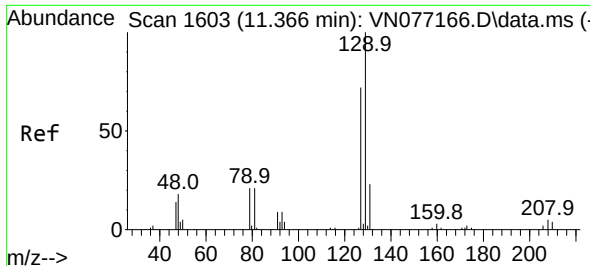
Reviewed By :John Carlone 03/27/2023
Supervised By :Semsettin Yesilyurt 03/27/2023



#52
1,3-Dichloropropane
Concen: 5.057 ug/l
RT: 11.166 min Scan# 1569
Delta R.T. -0.006 min
Lab File: VN077182.D
Acq: 24 Mar 2023 16:14

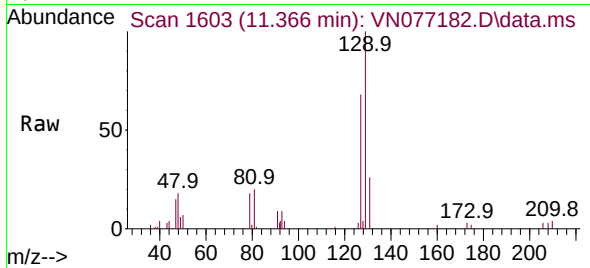
Tgt Ion: 76 Resp: 44259
Ion Ratio Lower Upper
76 100
78 32.8 0.0 65.4





#53
Dibromochloromethane
Concen: 4.697 ug/l
RT: 11.366 min Scan# 1603
Delta R.T. -0.000 min
Lab File: VN077182.D
Acq: 24 Mar 2023 16:14

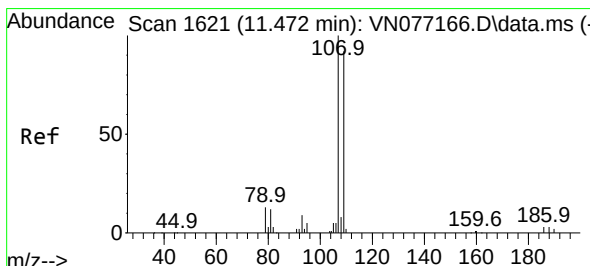
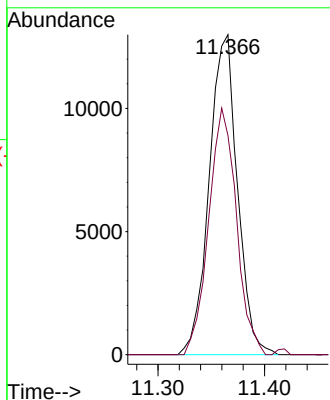
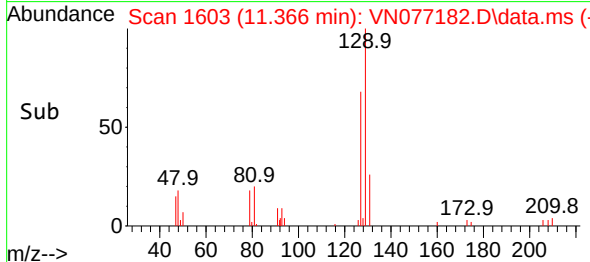
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT1-2023



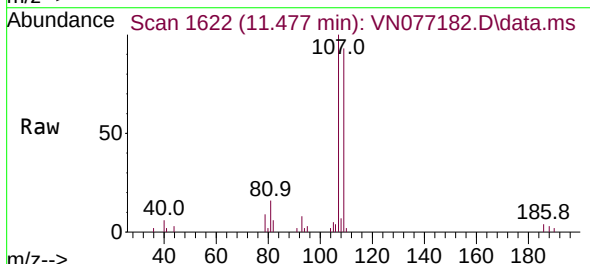
Tgt Ion:129 Resp: 2397
Ion Ratio Lower Upper
129 100
127 75.6 39.4 118.1

Manual Integrations
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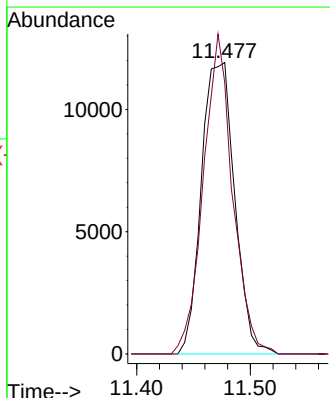
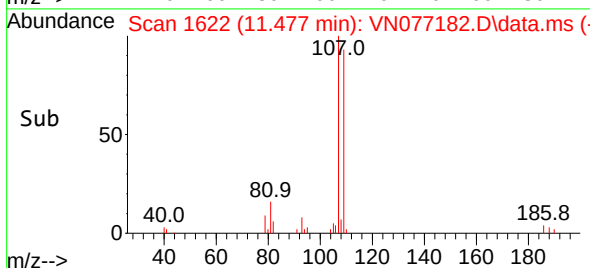
Reviewed By :John Carlone 03/27/2023
Supervised By :Semsettin Yesilyurt 03/27/2023

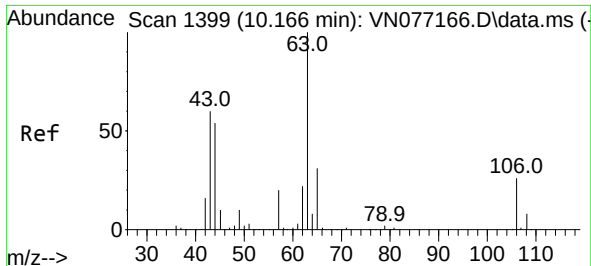


#54
1,2-Dibromoethane
Concen: 5.006 ug/l
RT: 11.477 min Scan# 1622
Delta R.T. 0.005 min
Lab File: VN077182.D
Acq: 24 Mar 2023 16:14



Tgt Ion:107 Resp: 24287
Ion Ratio Lower Upper
107 100
109 96.5 74.6 112.0





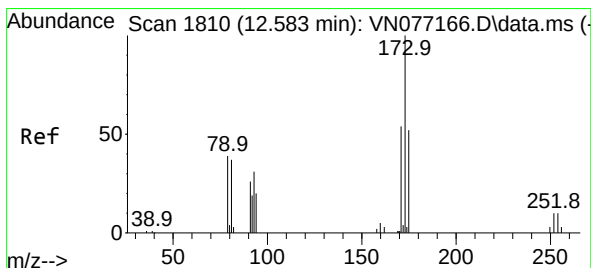
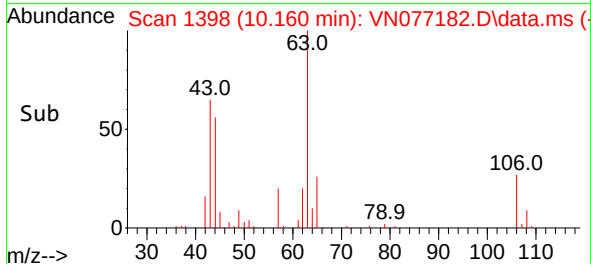
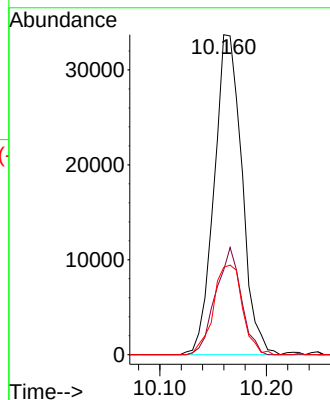
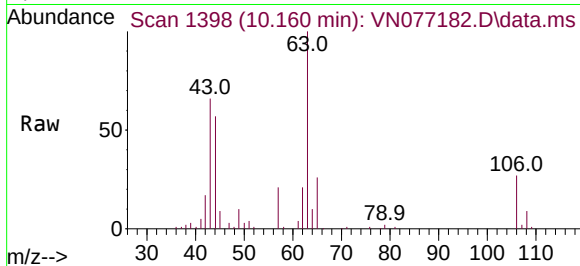
#55
2-Chloroethyl vinyl ether
Concen: 19.140 ug/l
RT: 10.160 min Scan# 1399
Delta R.T. -0.006 min
Lab File: VN077182.D
Acq: 24 Mar 2023 16:14

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT1-2023

Tgt Ion: 63 Resp: 6092
Ion Ratio Lower Upper
63 100
65 30.9 26.3 39.5
106 29.3 21.6 32.4

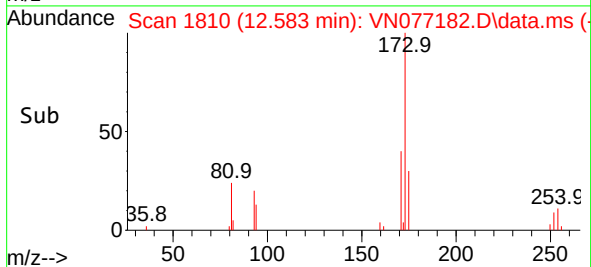
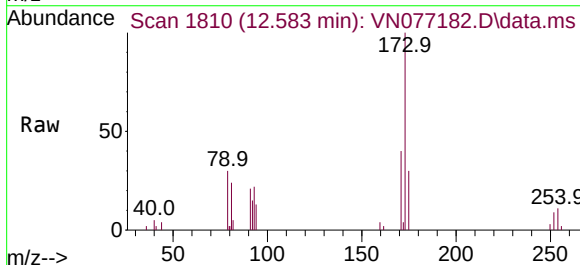
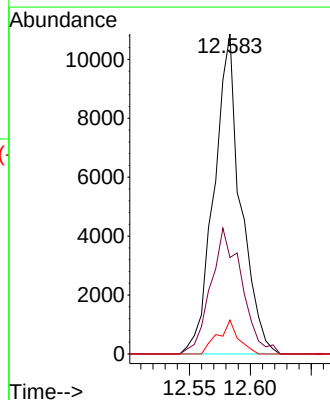
Manual Integrations
APPROVED

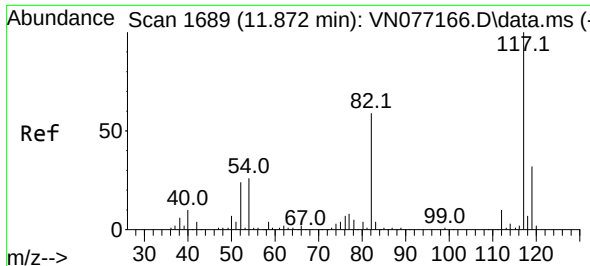
Reviewed By :John Carlone 03/27/2023
Supervised By :Semsettin Yesilyurt 03/27/2023



#56
Bromoform
Concen: 4.624 ug/l
RT: 12.583 min Scan# 1810
Delta R.T. 0.000 min
Lab File: VN077182.D
Acq: 24 Mar 2023 16:14

Tgt Ion:173 Resp: 16565
Ion Ratio Lower Upper
173 100
175 45.2 37.8 56.6
254 8.1 7.3 10.9





#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 11.866 min Scan# 1

Delta R.T. -0.006 min

Lab File: VN077182.D

Acq: 24 Mar 2023 16:14

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT1-2023

Tgt Ion:117 Resp: 30201

Ion Ratio Lower Upper

117 100

82 57.9 45.4 68.0

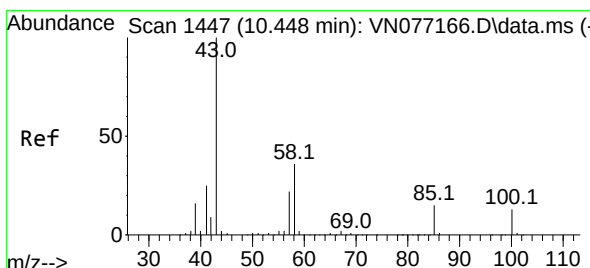
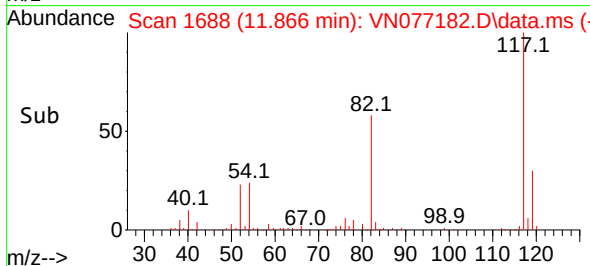
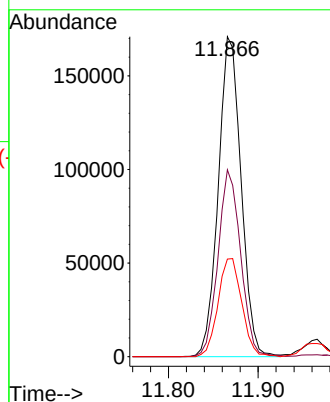
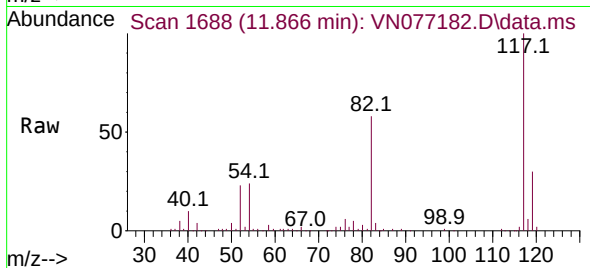
119 31.9 26.8 40.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/27/2023

Supervised By :Semsettin Yesilyurt 03/27/2023



#58

4-Methyl-2-Pentanone

Concen: 23.359 ug/l

RT: 10.448 min Scan# 1447

Delta R.T. 0.000 min

Lab File: VN077182.D

Acq: 24 Mar 2023 16:14

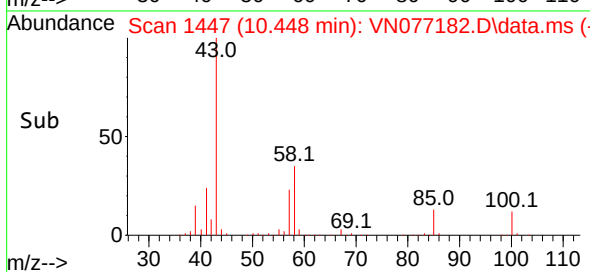
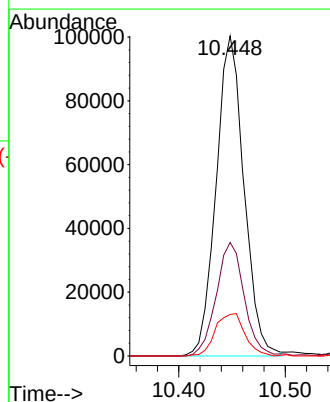
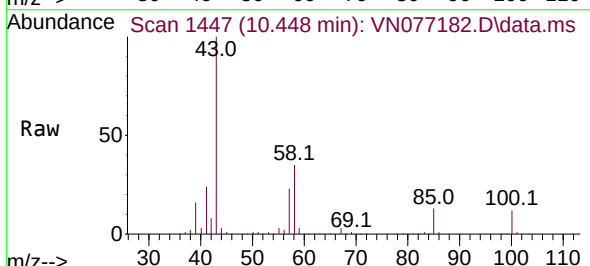
Tgt Ion: 43 Resp: 182078

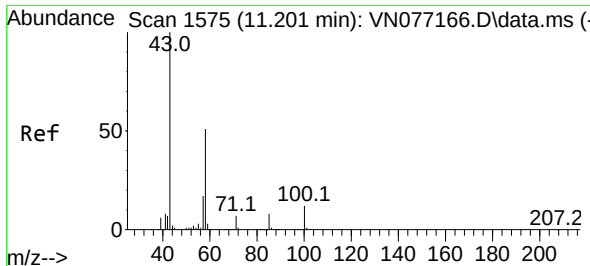
Ion Ratio Lower Upper

43 100

58 35.4 28.6 42.8

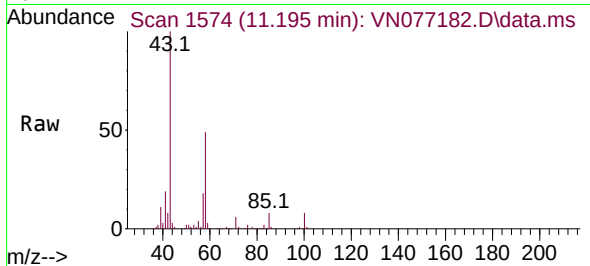
85 14.1 11.8 17.8





#59
2-Hexanone
Concen: 22.790 ug/l
RT: 11.195 min Scan# 1574
Delta R.T. -0.006 min
Lab File: VN077182.D
Acq: 24 Mar 2023 16:14

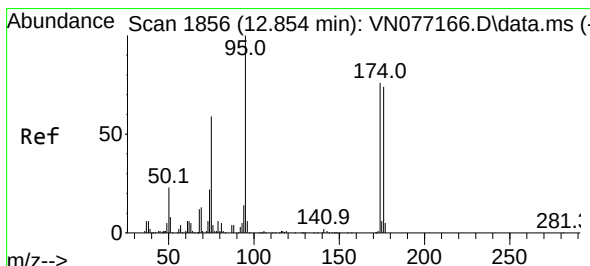
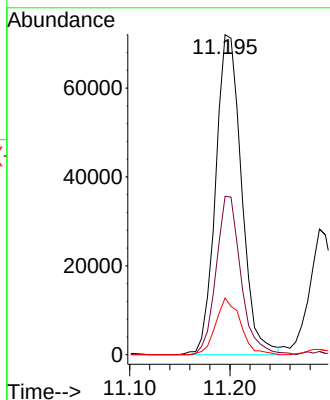
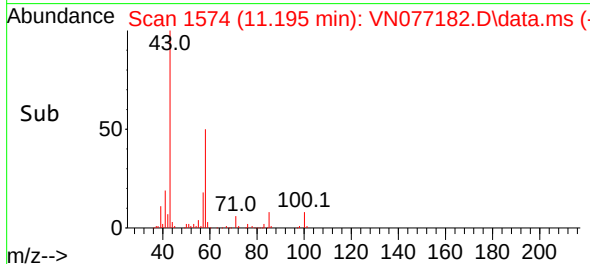
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT1-2023



Tgt Ion: 43 Resp: 129524
Ion Ratio Lower Upper
43 100
58 47.2 40.6 60.8
57 16.9 13.1 19.7

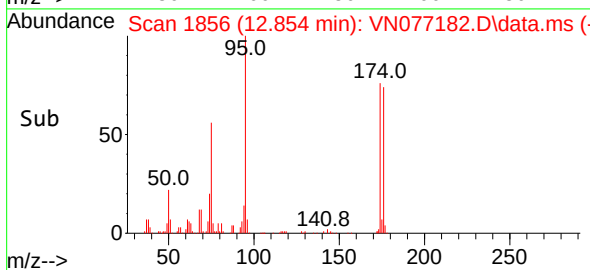
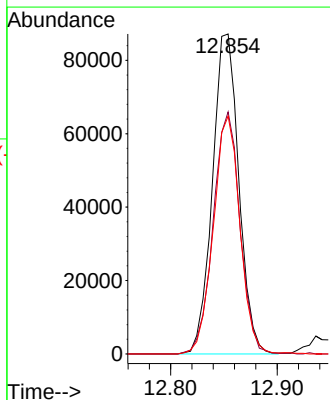
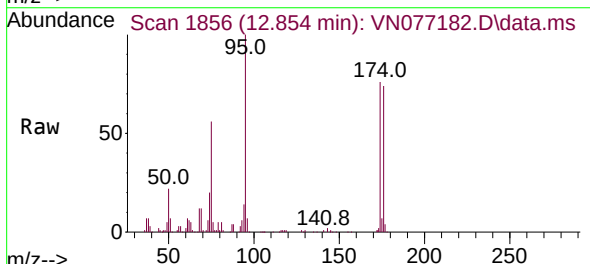
Manual Integrations
APPROVED

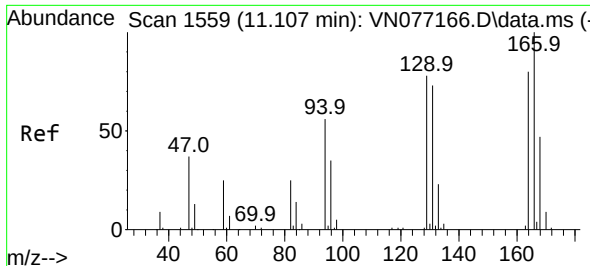
Reviewed By :John Carlone 03/27/2023
Supervised By :Semsettin Yesilyurt 03/27/2023



#60
4-Bromofluorobenzene
Concen: 27.655 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. -0.000 min
Lab File: VN077182.D
Acq: 24 Mar 2023 16:14

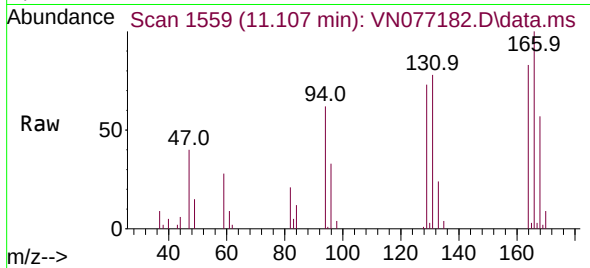
Tgt Ion: 95 Resp: 150044
Ion Ratio Lower Upper
95 100
174 76.5 64.2 96.4
176 74.6 61.4 92.0





#61
Tetrachloroethene
Concen: 5.485 ug/l
RT: 11.107 min Scan# 1559
Delta R.T. -0.000 min
Lab File: VN077182.D
Acq: 24 Mar 2023 16:14

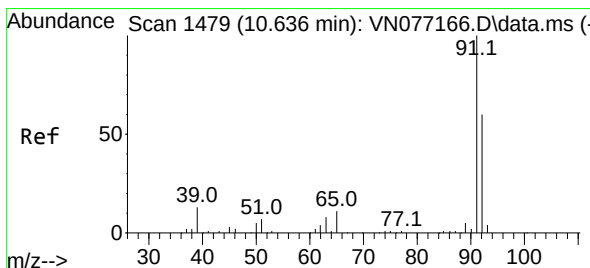
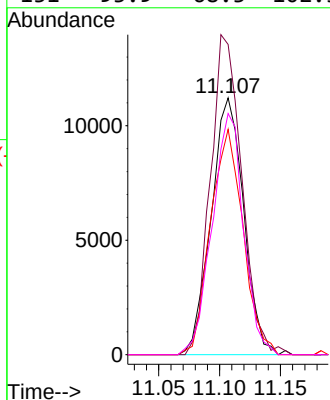
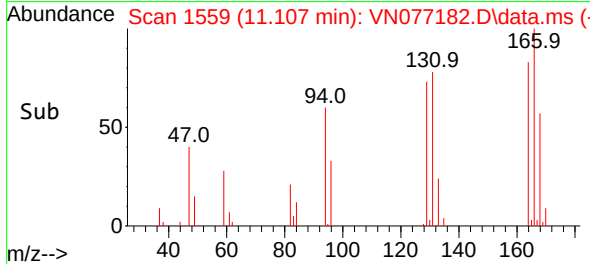
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT1-2023



Tgt Ion:164 Resp: 20792
Ion Ratio Lower Upper
164 100
166 120.8 96.2 144.2
129 87.7 78.2 117.4
131 93.9 68.3 102.5

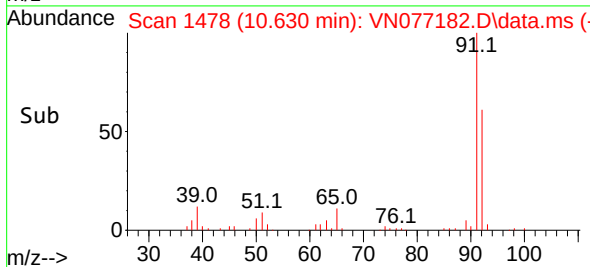
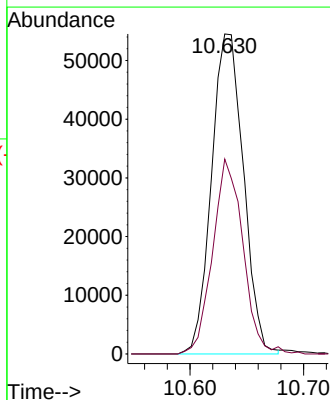
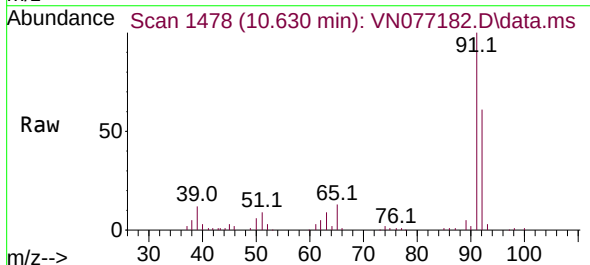
Manual Integrations
APPROVED

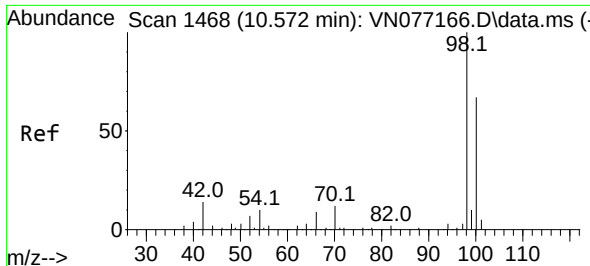
Reviewed By :John Carlone 03/27/2023
Supervised By :Semsettin Yesilyurt 03/27/2023



#62
Toluene
Concen: 5.023 ug/l
RT: 10.630 min Scan# 1478
Delta R.T. -0.006 min
Lab File: VN077182.D
Acq: 24 Mar 2023 16:14

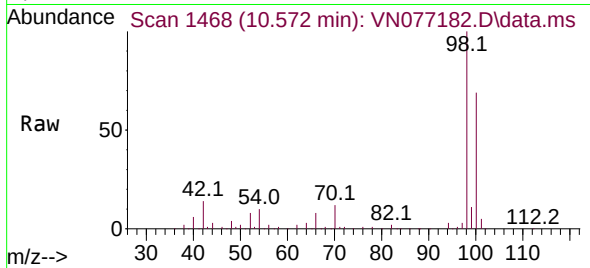
Tgt Ion: 91 Resp: 106612
Ion Ratio Lower Upper
91 100
92 56.9 46.3 69.5





#63
Toluene-d8
Concen: 30.397 ug/l
RT: 10.572 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VN077182.D
Acq: 24 Mar 2023 16:14

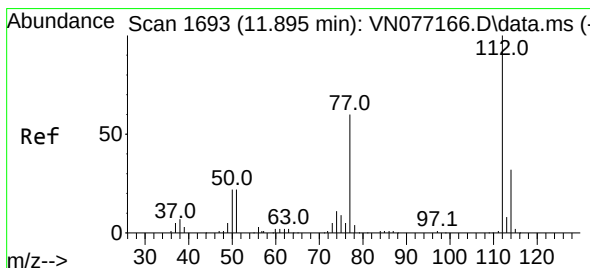
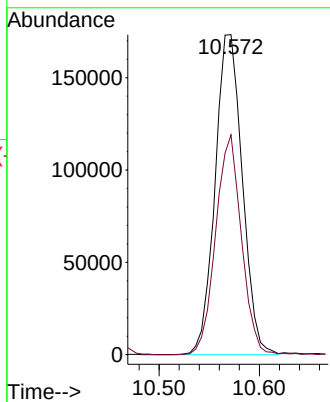
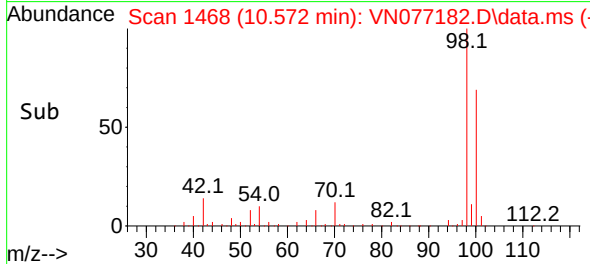
Instrument : MSVOA_N
ClientSampleId : LOQ-WATER-02-QT1-2023



Tgt Ion: 98 Resp: 32770
Ion Ratio Lower Upper
98 100
100 64.6 53.8 80.6

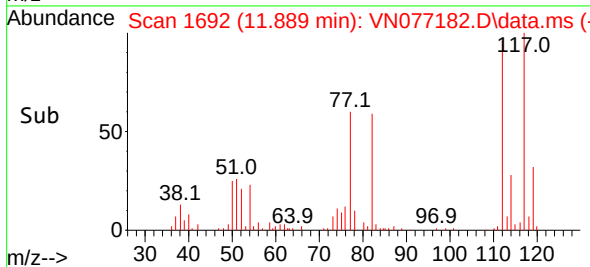
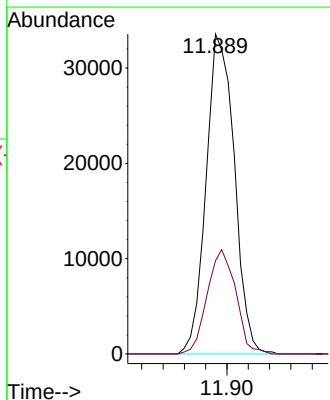
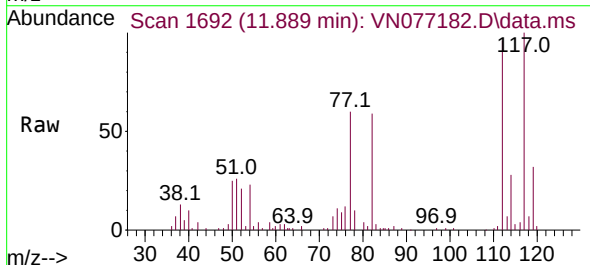
Manual Integrations
APPROVED

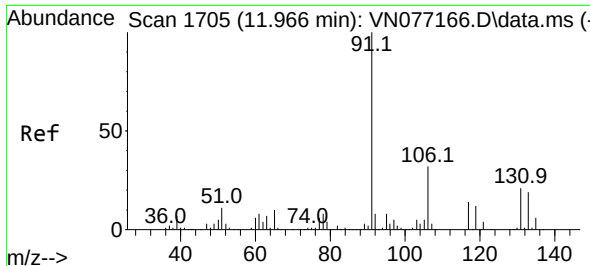
Reviewed By :John Carlone 03/27/2023
Supervised By :Semsettin Yesilyurt 03/27/2023



#64
Chlorobenzene
Concen: 4.920 ug/l
RT: 11.889 min Scan# 1692
Delta R.T. -0.006 min
Lab File: VN077182.D
Acq: 24 Mar 2023 16:14

Tgt Ion:112 Resp: 61788
Ion Ratio Lower Upper
112 100
114 29.2 24.5 36.7





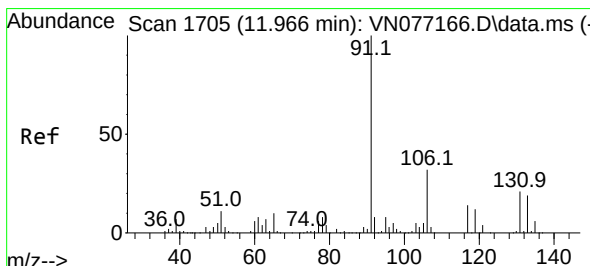
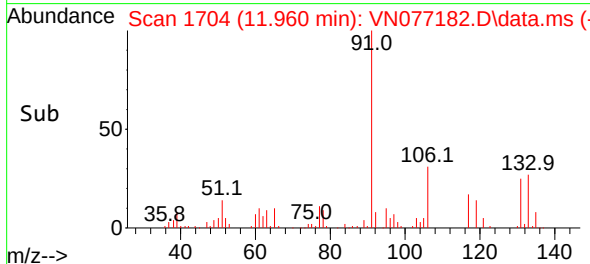
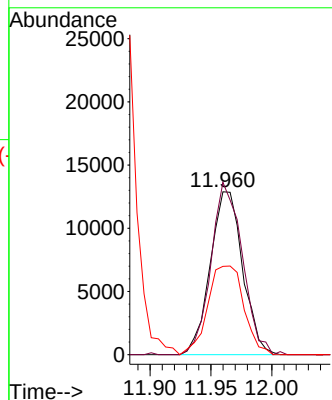
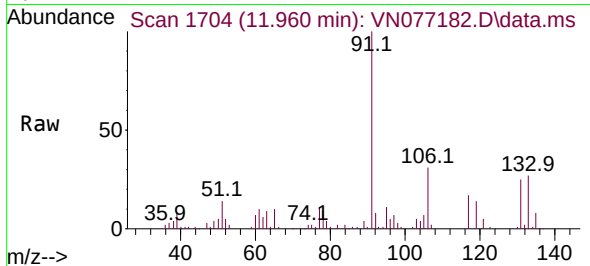
#65
1,1,1,2-Tetrachloroethane
Concen: 5.183 ug/l
RT: 11.960 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN077182.D
Acq: 24 Mar 2023 16:14

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT1-2023

Tgt Ion:131 Resp: 2390
Ion Ratio Lower Upper
131 100
133 101.9 0.0 197.6
119 60.5 0.0 127.8

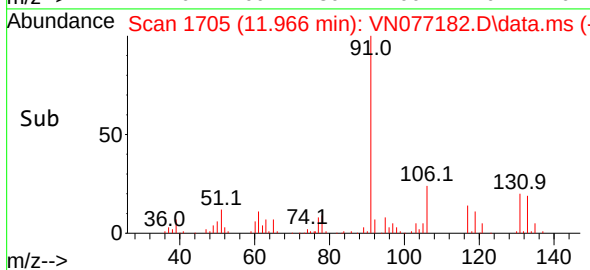
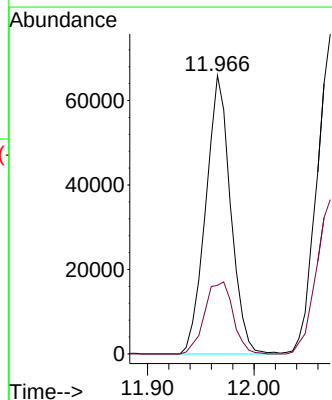
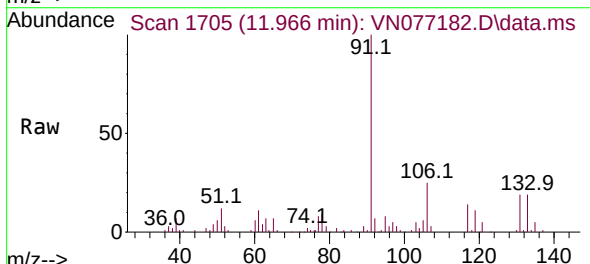
Manual Integrations
APPROVED

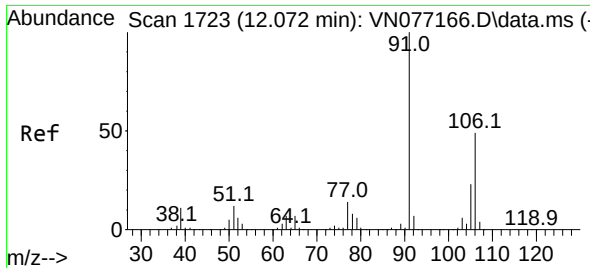
Reviewed By :John Carlone 03/27/2023
Supervised By :Semsettin Yesilyurt 03/27/2023



#66
Ethyl Benzene
Concen: 4.696 ug/l
RT: 11.966 min Scan# 1705
Delta R.T. -0.000 min
Lab File: VN077182.D
Acq: 24 Mar 2023 16:14

Tgt Ion: 91 Resp: 107116
Ion Ratio Lower Upper
91 100
106 24.7 23.8 35.8





#67

m/p-Xylenes

Concen: 8.770 ug/l

RT: 12.077 min Scan# 1723

Delta R.T. 0.005 min

Lab File: VN077182.D

Acq: 24 Mar 2023 16:14

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT1-2023

Tgt Ion:106 Resp: 76970

Ion Ratio Lower Upper

106 100

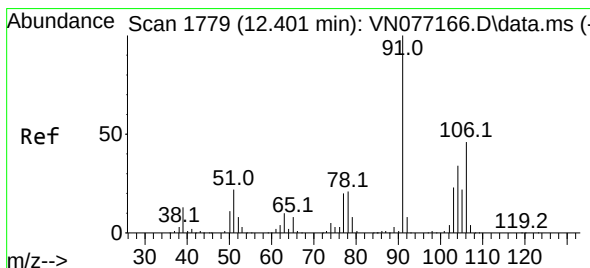
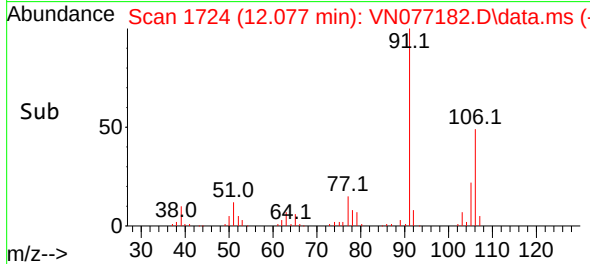
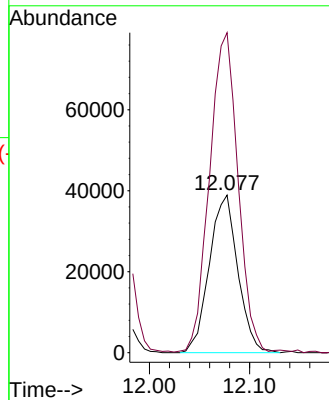
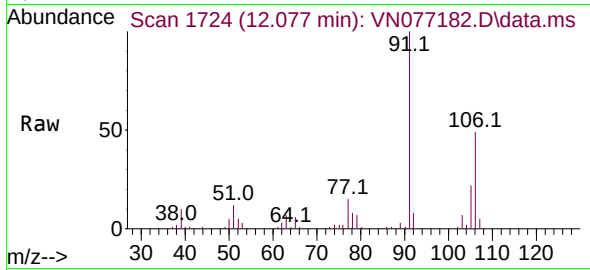
91 202.7 157.4 236.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/27/2023

Supervised By :Semsettin Yesilyurt 03/27/2023



#68

o-Xylene

Concen: 4.384 ug/l

RT: 12.401 min Scan# 1779

Delta R.T. -0.000 min

Lab File: VN077182.D

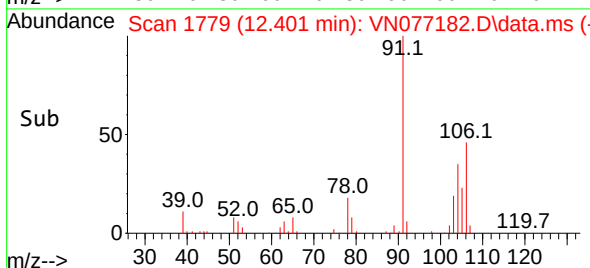
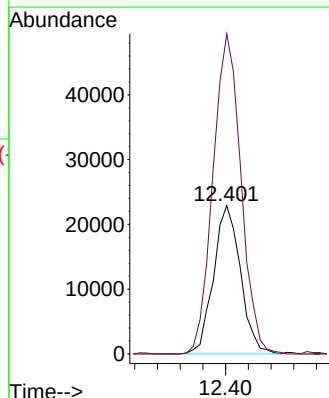
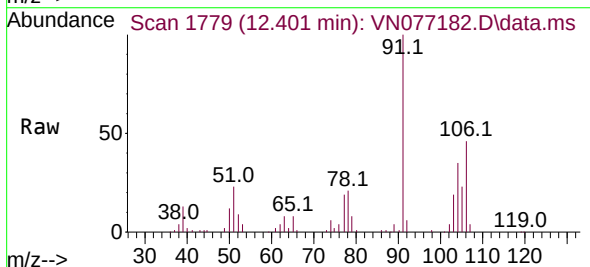
Acq: 24 Mar 2023 16:14

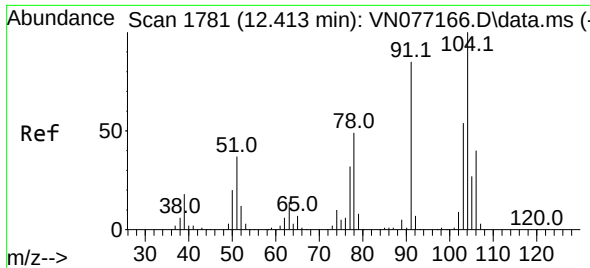
Tgt Ion:106 Resp: 37677

Ion Ratio Lower Upper

106 100

91 224.4 107.2 321.6





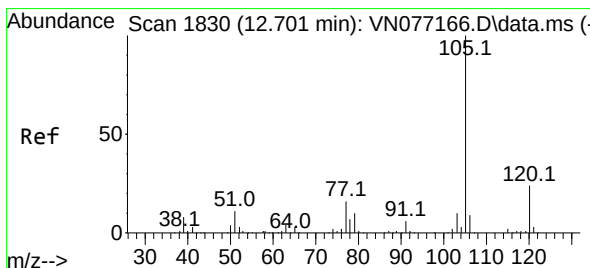
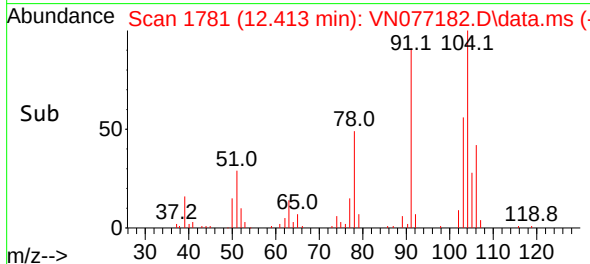
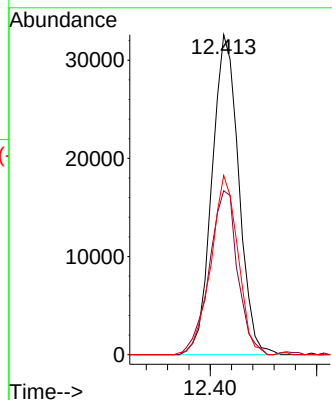
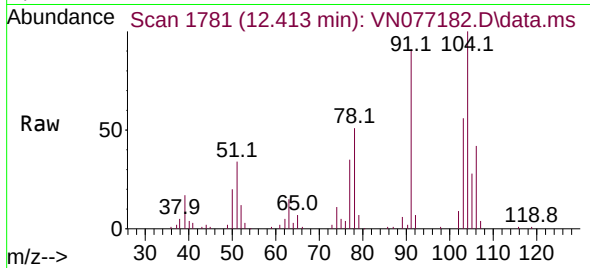
#69
Styrene
Concen: 4.072 ug/l
RT: 12.413 min Scan# 1781
Delta R.T. -0.000 min
Lab File: VN077182.D
Acq: 24 Mar 2023 16:14

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT1-2023

Tgt Ion:104 Resp: 56820
Ion Ratio Lower Upper
104 100
78 54.3 39.6 59.4
103 56.7 43.9 65.9

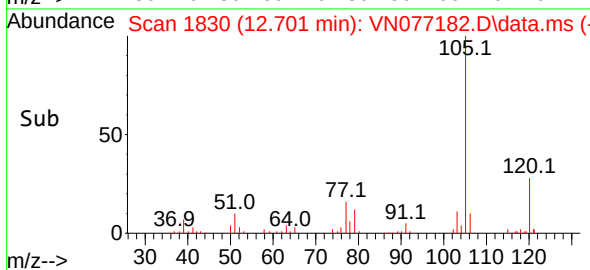
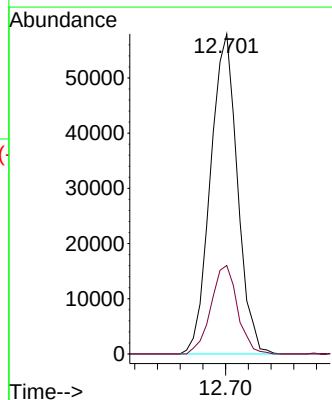
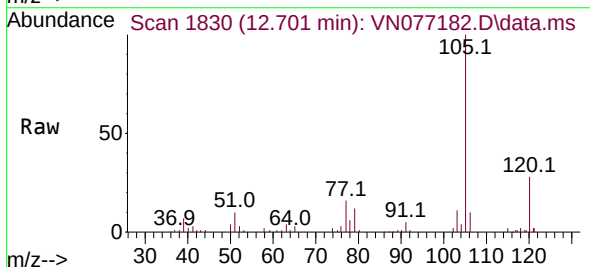
Manual Integrations
APPROVED

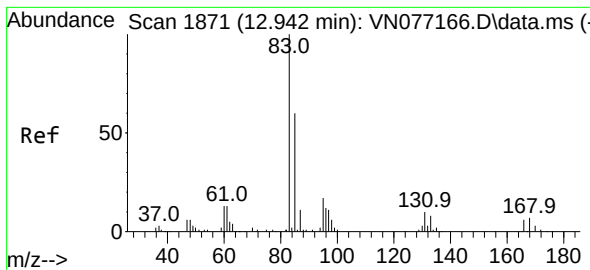
Reviewed By :John Carlone 03/27/2023
Supervised By :Semsettin Yesilyurt 03/27/2023



#70
Isopropylbenzene
Concen: 4.294 ug/l
RT: 12.701 min Scan# 1830
Delta R.T. -0.000 min
Lab File: VN077182.D
Acq: 24 Mar 2023 16:14

Tgt Ion:105 Resp: 95696
Ion Ratio Lower Upper
105 100
120 27.1 19.0 35.2





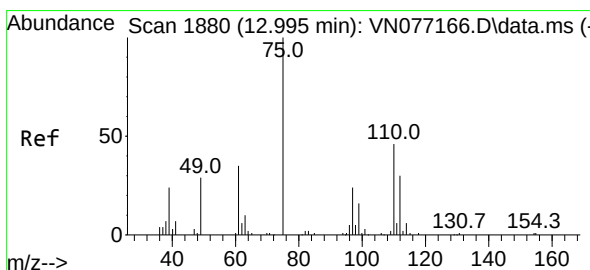
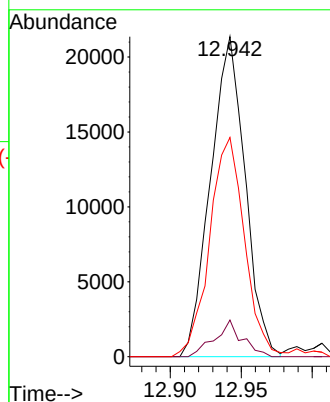
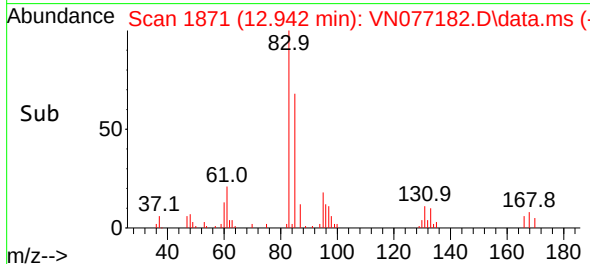
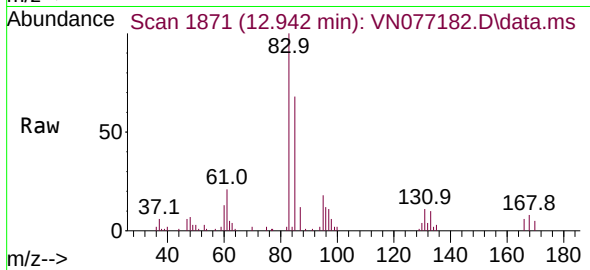
#71
1,1,2,2-Tetrachloroethane
Concen: 4.959 ug/l
RT: 12.942 min Scan# 1871
Delta R.T. 0.000 min
Lab File: VN077182.D
Acq: 24 Mar 2023 16:14

Instrument : MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT1-2023

Tgt Ion: 83 Resp: 36170
Ion Ratio Lower Upper
83 100
131 9.1 5.0 14.9
85 69.2 32.3 96.9

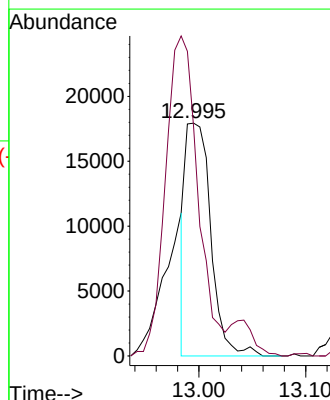
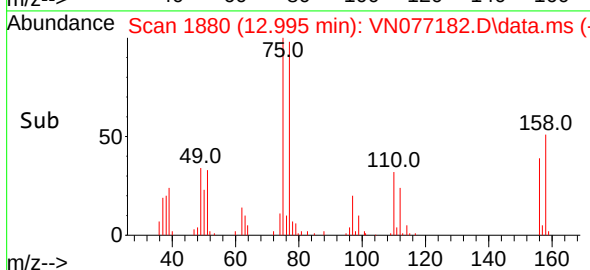
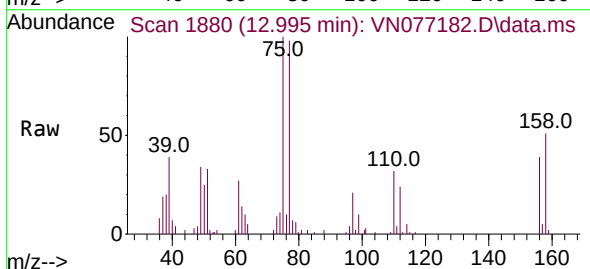
Manual Integrations
APPROVED

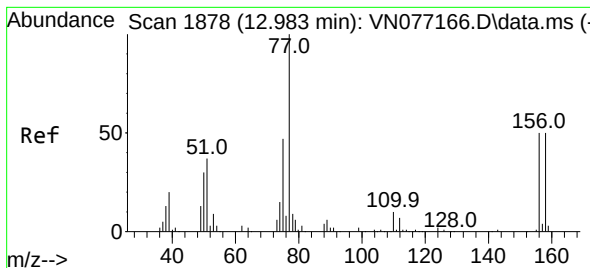
Reviewed By :John Carlone 03/27/2023
Supervised By :Semsettin Yesilyurt 03/27/2023



#72
1,2,3-Trichloropropane
Concen: 4.566 ug/l m
RT: 12.995 min Scan# 1880
Delta R.T. 0.000 min
Lab File: VN077182.D
Acq: 24 Mar 2023 16:14

Tgt Ion: 75 Resp: 29480
Ion Ratio Lower Upper
75 100
77 176.7 0.0 332.6





#73

Bromobenzene

Concen: 4.615 ug/l

RT: 12.983 min Scan# 1878

Delta R.T. 0.000 min

Lab File: VN077182.D

Acq: 24 Mar 2023 16:14

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT1-2023

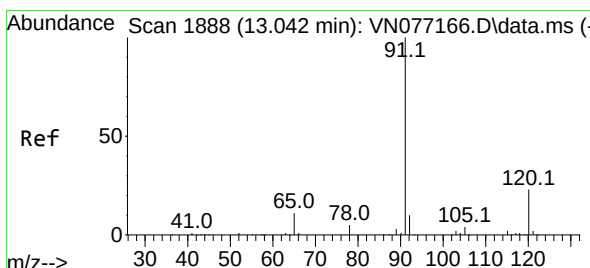
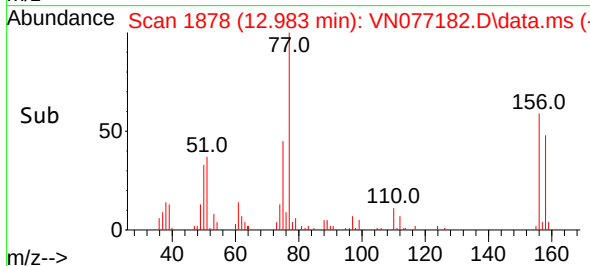
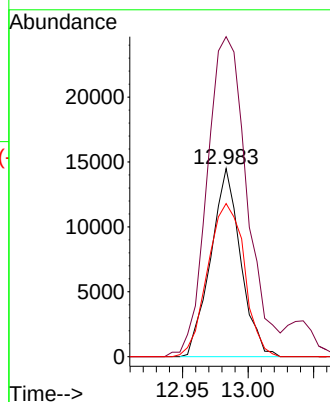
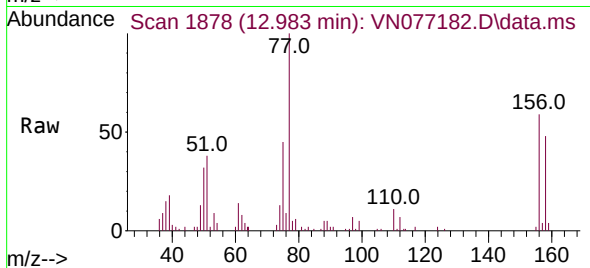
Tgt Ion:	156	Resp:	22990
Ion Ratio	Lower	Upper	
156	100		
77	226.6	0.0	423.0
158	99.5	0.0	188.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/27/2023

Supervised By :Semsettin Yesilyurt 03/27/2023



#74

n-propylbenzene

Concen: 4.120 ug/l

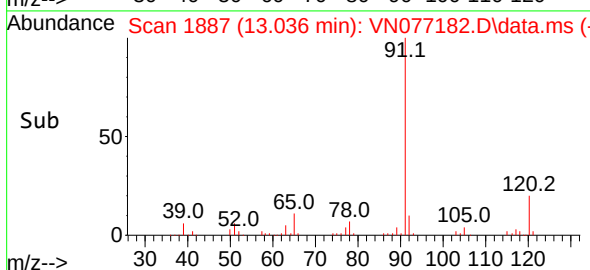
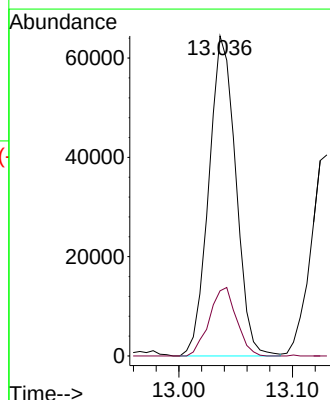
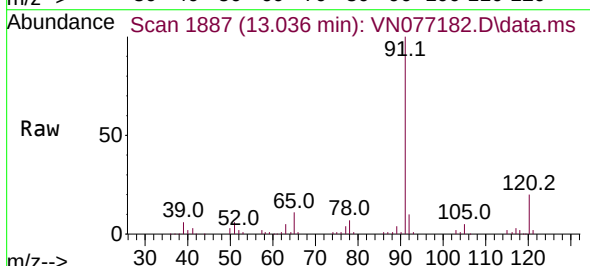
RT: 13.036 min Scan# 1887

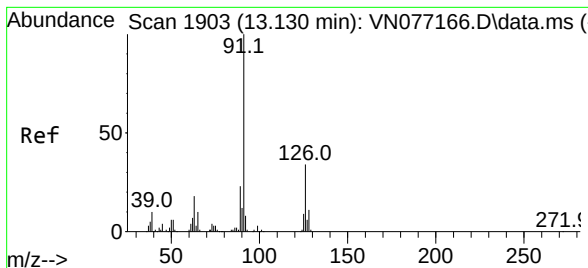
Delta R.T. -0.006 min

Lab File: VN077182.D

Acq: 24 Mar 2023 16:14

Tgt Ion:	91	Resp:	106289
Ion Ratio	Lower	Upper	
91	100		
120	21.5	0.0	44.0





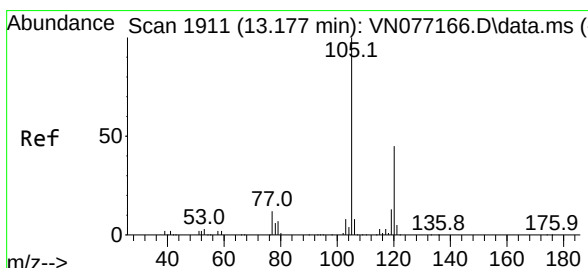
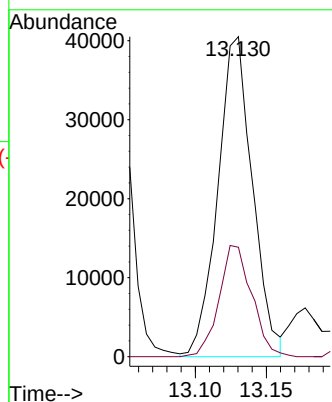
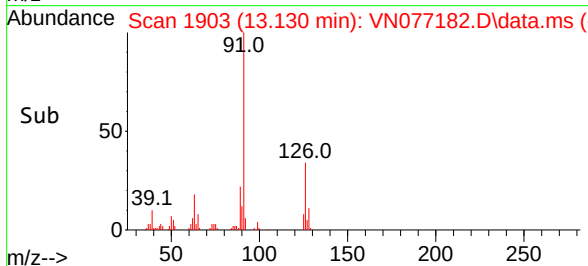
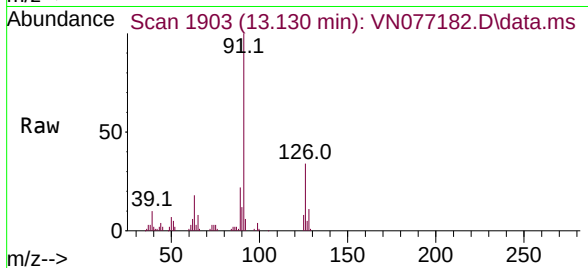
#75
2-Chlorotoluene
Concen: 4.421 ug/l
RT: 13.130 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VN077182.D
Acq: 24 Mar 2023 16:14

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT1-2023

Tgt Ion: 91 Resp: 6877
Ion Ratio Lower Upper
91 100
126 32.9 0.0 66.4

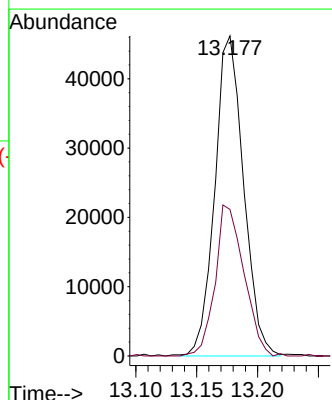
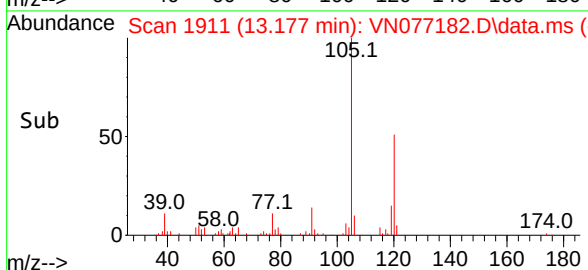
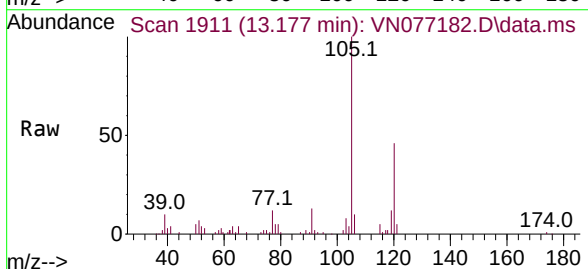
Manual Integrations
APPROVED

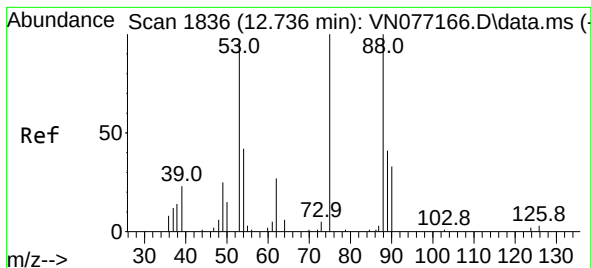
Reviewed By :John Carlone 03/27/2023
Supervised By :Semsettin Yesilyurt 03/27/2023



#76
1,3,5-Trimethylbenzene
Concen: 4.104 ug/l
RT: 13.177 min Scan# 1911
Delta R.T. 0.000 min
Lab File: VN077182.D
Acq: 24 Mar 2023 16:14

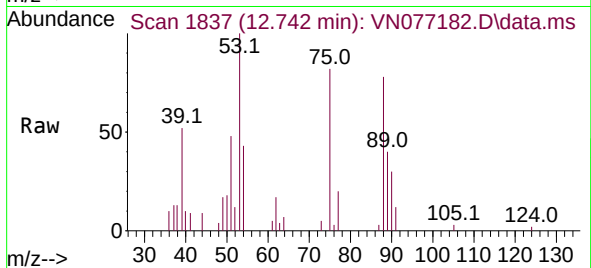
Tgt Ion:105 Resp: 75909
Ion Ratio Lower Upper
105 100
120 47.0 0.0 103.2





#77
t-1,4-Dichloro-2-butene
Concen: 3.678 ug/l m
RT: 12.742 min Scan# 1836
Delta R.T. 0.006 min
Lab File: VN077182.D
Acq: 24 Mar 2023 16:14

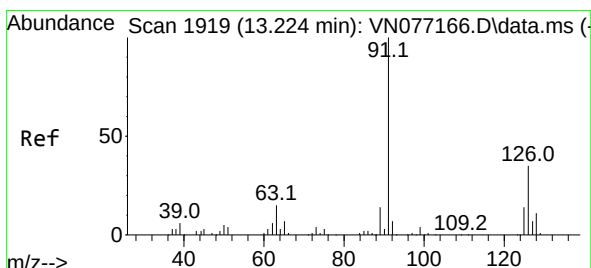
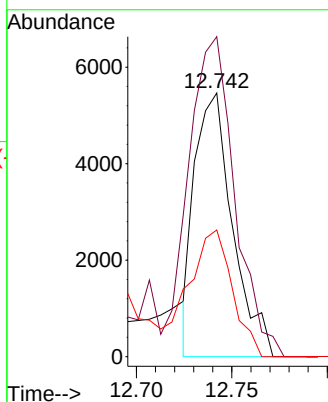
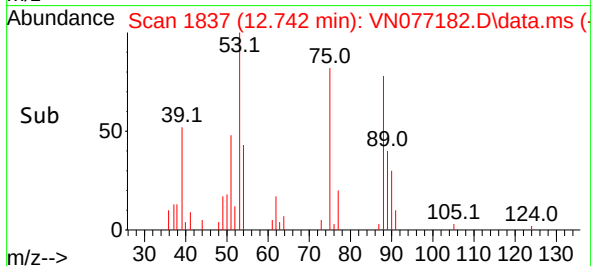
Instrument : MSVOA_N
ClientSampleId : LOQ-WATER-02-QT1-2023



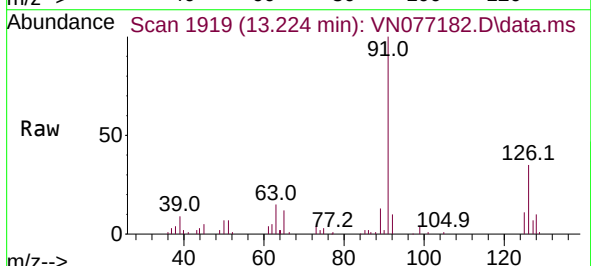
Tgt Ion: 75 Resp: 7569
Ion Ratio Lower Upper
75 100
53 121.4 50.4 151.3
89 48.1 22.1 66.5

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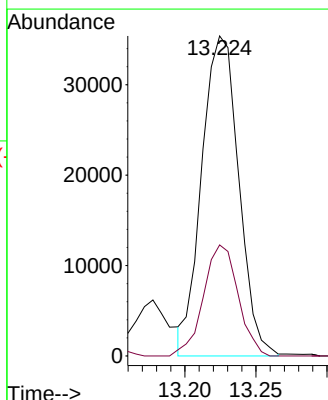
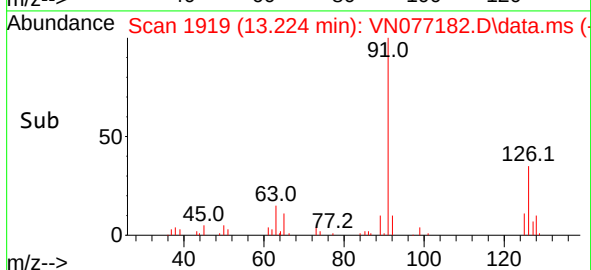
Reviewed By :John Carlone 03/27/2023
Supervised By :Semsettin Yesilyurt 03/27/2023

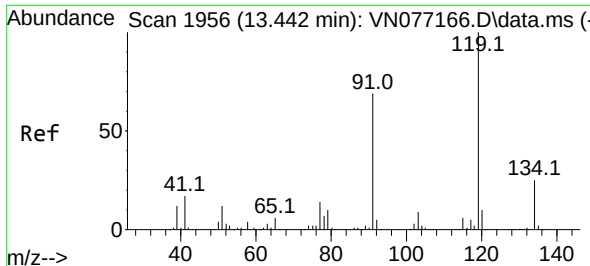


#78
4-Chlorotoluene
Concen: 4.286 ug/l
RT: 13.224 min Scan# 1919
Delta R.T. 0.000 min
Lab File: VN077182.D
Acq: 24 Mar 2023 16:14



Tgt Ion: 91 Resp: 64136
Ion Ratio Lower Upper
91 100
126 32.5 0.0 70.6





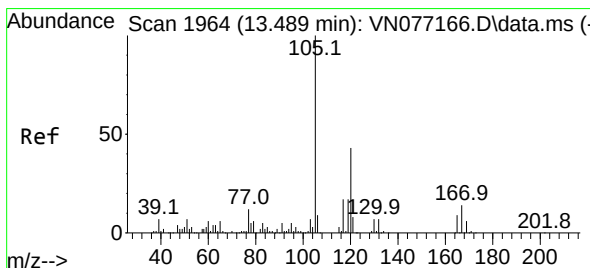
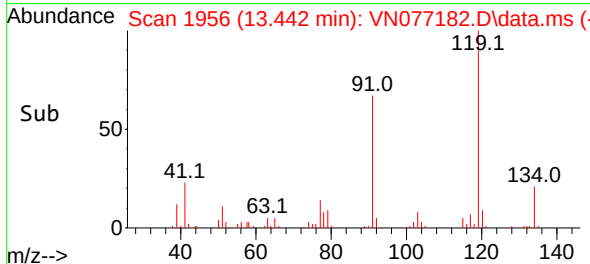
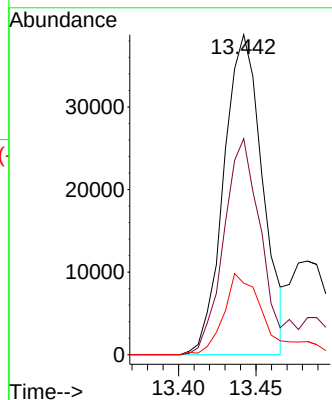
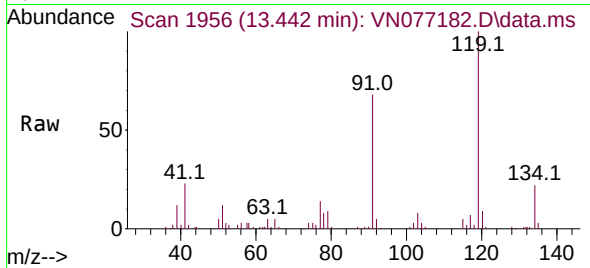
#79
tert-butylbenzene
Concen: 4.276 ug/l
RT: 13.442 min Scan# 1956
Delta R.T. 0.000 min
Lab File: VN077182.D
Acq: 24 Mar 2023 16:14

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT1-2023

Tgt Ion:119 Resp: 67574
Ion Ratio Lower Upper
119 100
91 63.7 0.0 129.6
134 25.4 0.0 47.8

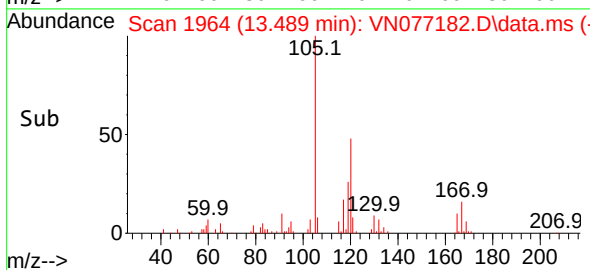
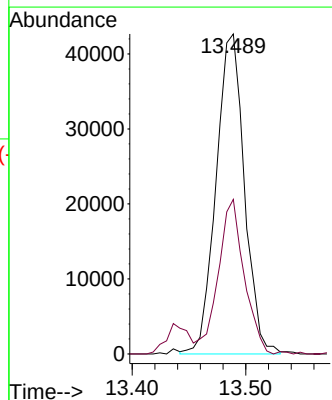
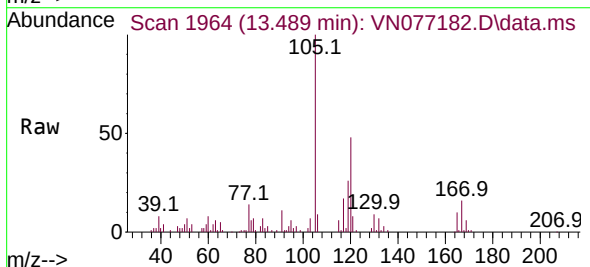
Manual Integrations
APPROVED

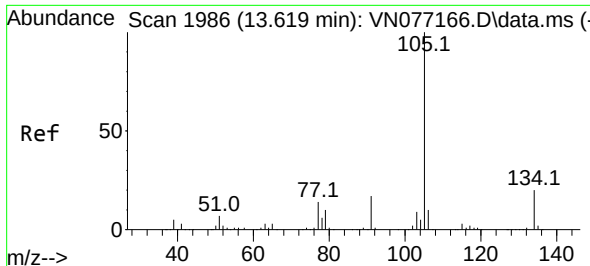
Reviewed By :John Carlone 03/27/2023
Supervised By :Semsettin Yesilyurt 03/27/2023



#80
1,2,4-Trimethylbenzene
Concen: 4.025 ug/l
RT: 13.489 min Scan# 1964
Delta R.T. 0.000 min
Lab File: VN077182.D
Acq: 24 Mar 2023 16:14

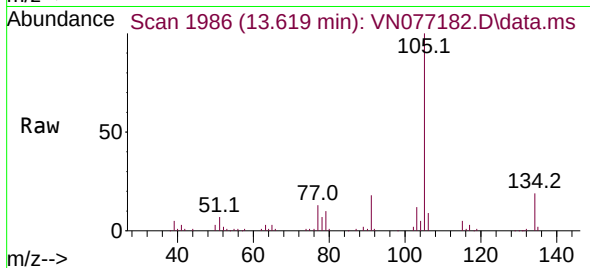
Tgt Ion:105 Resp: 73886
Ion Ratio Lower Upper
105 100
120 44.4 0.0 93.2





#81
 sec-Butylbenzene
 Concen: 3.919 ug/l
 RT: 13.619 min Scan# 1986
 Delta R.T. -0.000 min
 Lab File: VN077182.D
 Acq: 24 Mar 2023 16:14

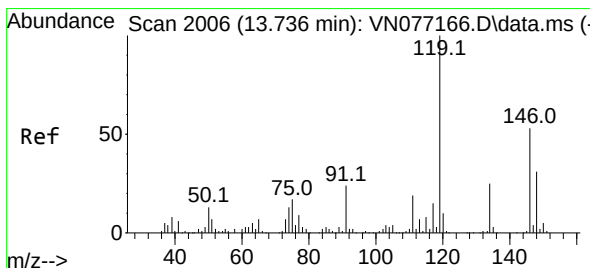
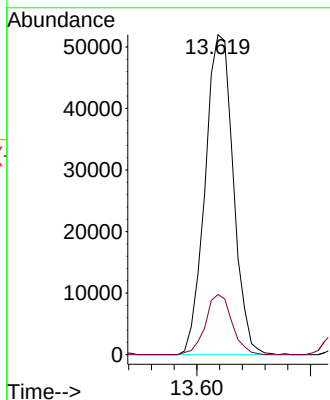
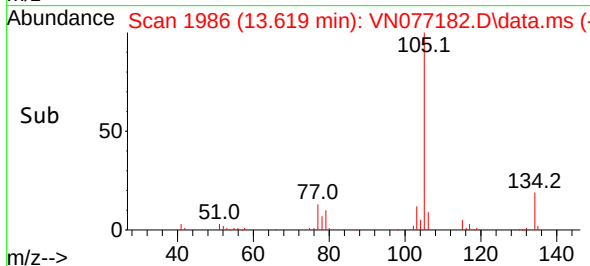
Instrument : MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT1-2023



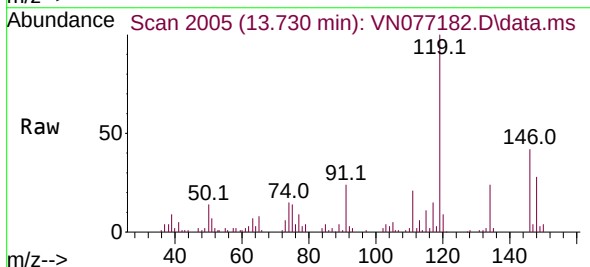
Tgt Ion:105 Resp: 89420
 Ion Ratio Lower Upper
 105 100
 134 17.7 0.0 39.4

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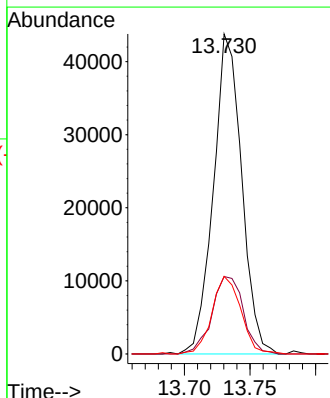
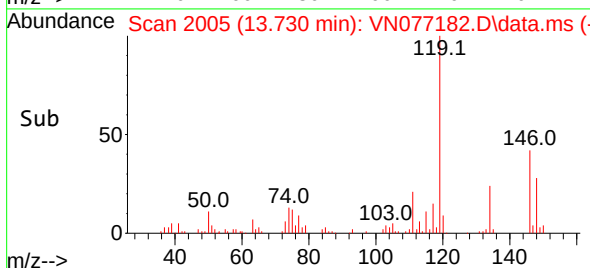
Reviewed By :John Carlone 03/27/2023
 Supervised By :Semsettin Yesilyurt 03/27/2023

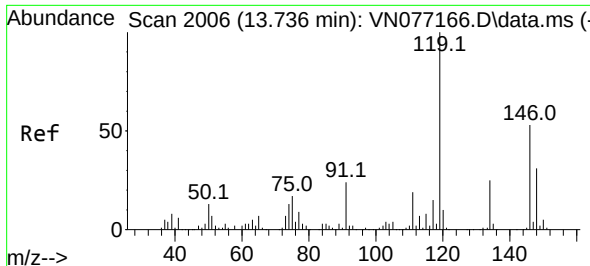


#82
 p-Isopropyltoluene
 Concen: 3.585 ug/l
 RT: 13.730 min Scan# 2005
 Delta R.T. -0.006 min
 Lab File: VN077182.D
 Acq: 24 Mar 2023 16:14



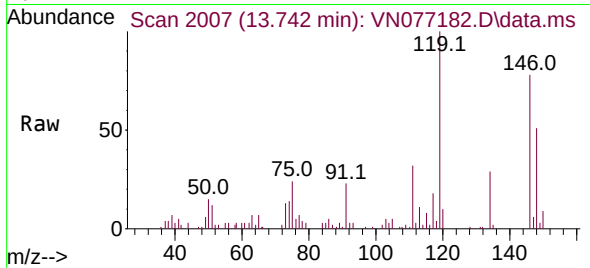
Tgt Ion:119 Resp: 65565
 Ion Ratio Lower Upper
 119 100
 134 26.8 0.0 53.4
 91 24.8 0.0 47.2





#83
1,3-Dichlorobenzene
Concen: 4.255 ug/l
RT: 13.742 min Scan# 2006
Delta R.T. 0.006 min
Lab File: VN077182.D
Acq: 24 Mar 2023 16:14

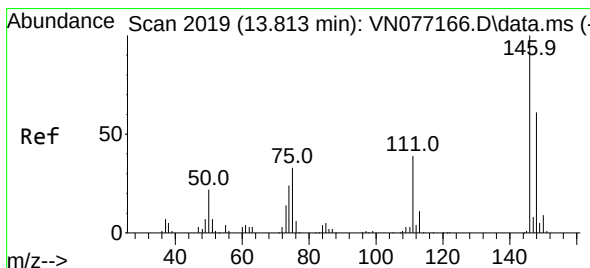
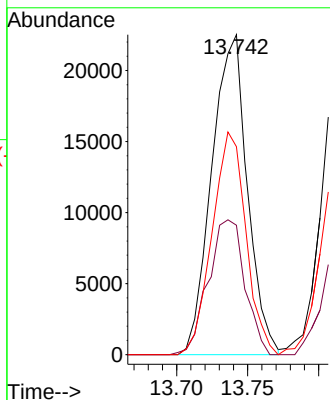
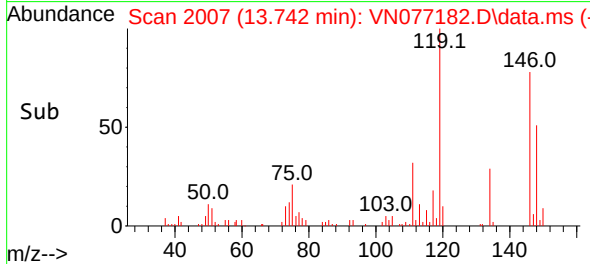
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT1-2023



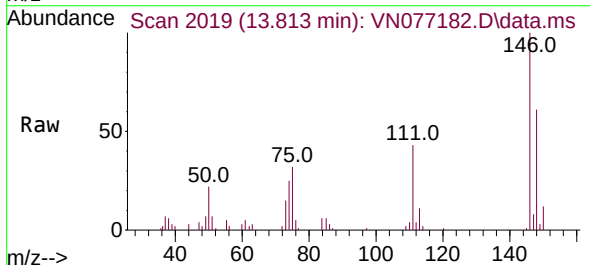
Tgt Ion:146 Resp: 39249
Ion Ratio Lower Upper
146 100
111 43.4 20.3 60.8
148 66.0 31.9 95.5

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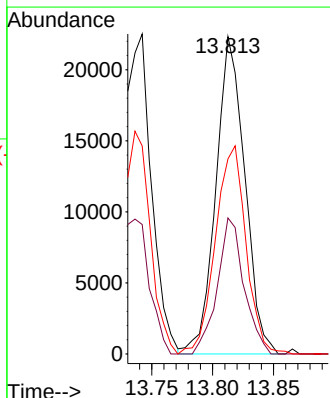
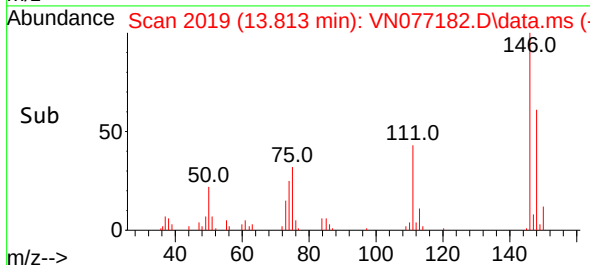
Reviewed By :John Carlone 03/27/2023
Supervised By :Semsettin Yesilyurt 03/27/2023

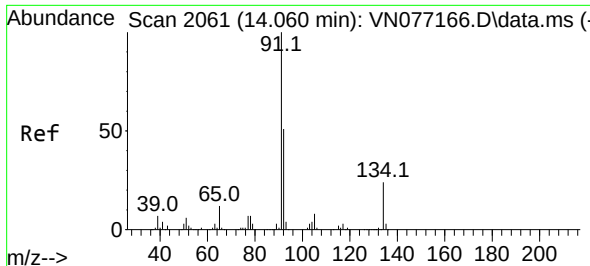


#84
1,4-Dichlorobenzene
Concen: 4.114 ug/l
RT: 13.813 min Scan# 2019
Delta R.T. -0.000 min
Lab File: VN077182.D
Acq: 24 Mar 2023 16:14



Tgt Ion:146 Resp: 36971
Ion Ratio Lower Upper
146 100
111 39.5 18.2 54.6
148 69.2 31.1 93.2





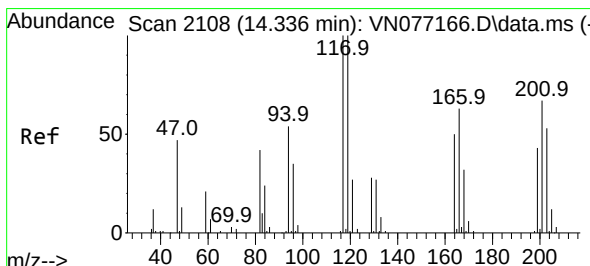
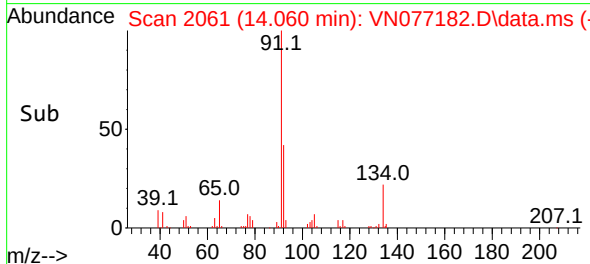
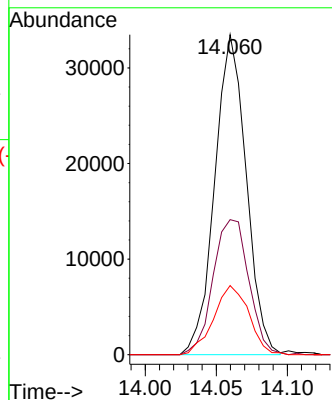
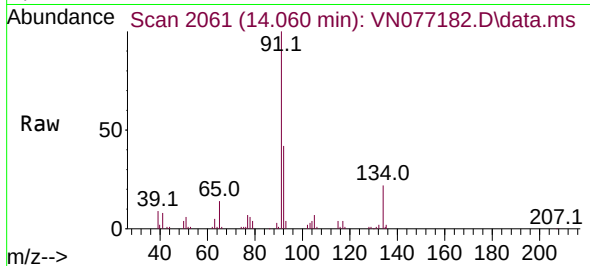
#85
n-Butylbenzene
Concen: 3.337 ug/l
RT: 14.060 min Scan# 2061
Delta R.T. -0.000 min
Lab File: VN077182.D
Acq: 24 Mar 2023 16:14

Instrument : MSVOA_N
ClientSampleId : LOQ-WATER-02-QT1-2023

Tgt Ion: 91 Resp: 5159
Ion Ratio Lower Upper
91 100
92 47.9 0.0 103.2
134 24.2 0.0 50.0

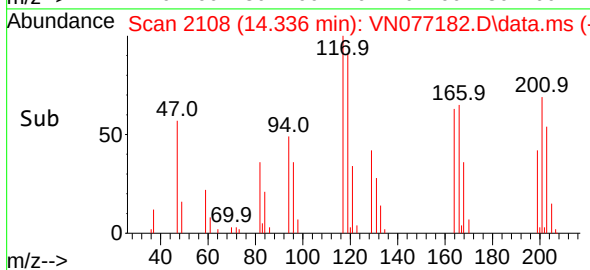
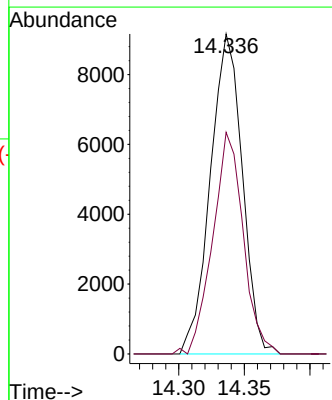
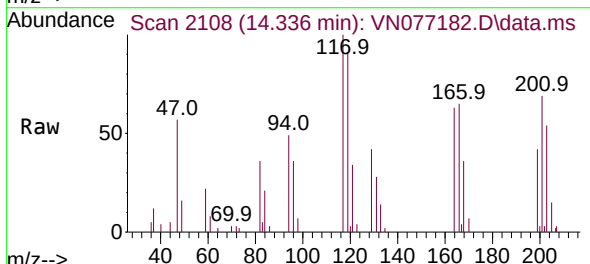
Manual Integrations
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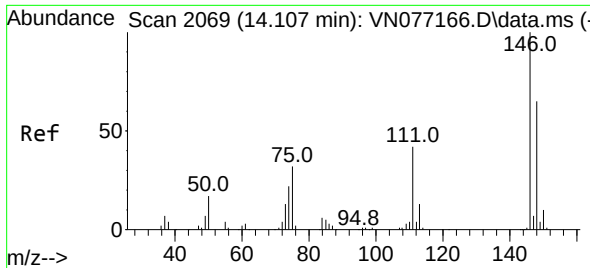
Reviewed By :John Carlone 03/27/2023
Supervised By :Semsettin Yesilyurt 03/27/2023



#86
Hexachloroethane
Concen: 4.457 ug/l
RT: 14.336 min Scan# 2108
Delta R.T. 0.000 min
Lab File: VN077182.D
Acq: 24 Mar 2023 16:14

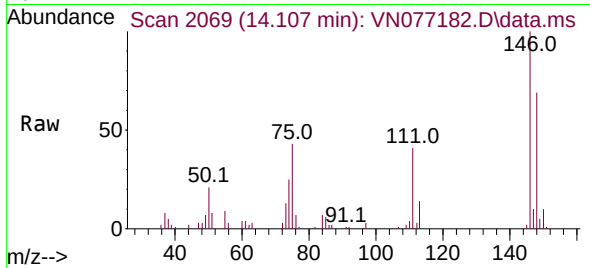
Tgt Ion:117 Resp: 15544
Ion Ratio Lower Upper
117 100
201 65.7 32.2 96.6





#87
1,2-Dichlorobenzene
Concen: 4.216 ug/l
RT: 14.107 min Scan# 2069
Delta R.T. -0.000 min
Lab File: VN077182.D
Acq: 24 Mar 2023 16:14

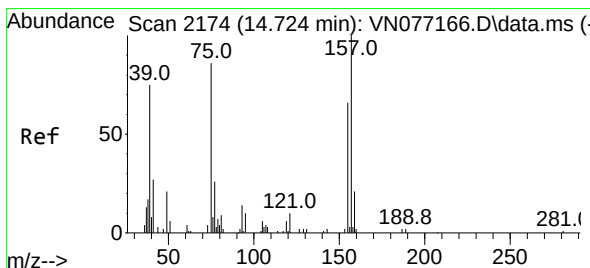
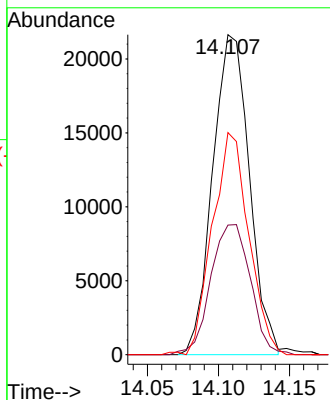
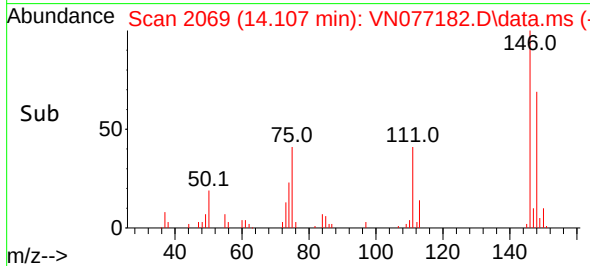
Instrument : MSVOA_N
ClientSampleId : LOQ-WATER-02-QT1-2023



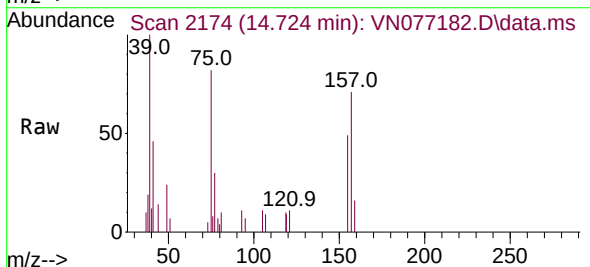
Tgt Ion:146 Resp: 3889
Ion Ratio Lower Upper
146 100
111 43.9 20.5 61.6
148 68.6 32.5 97.5

Manual Integrations
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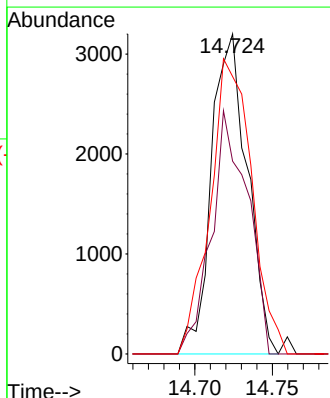
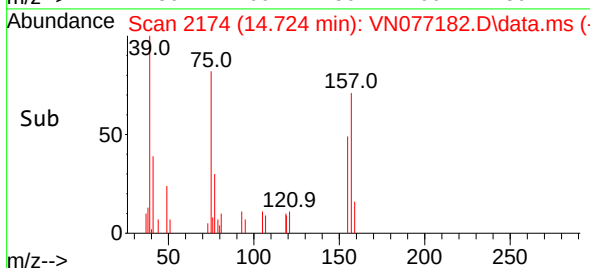
Reviewed By :John Carlone 03/27/2023
Supervised By :Semsettin Yesilyurt 03/27/2023

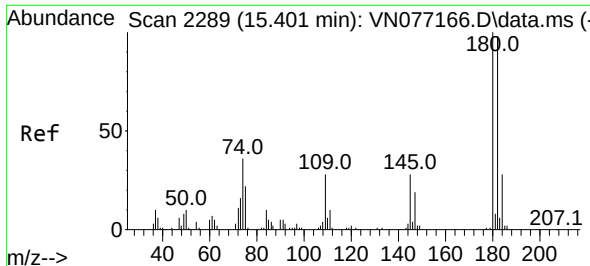


#88
1,2-Dibromo-3-Chloropropane
Concen: 3.685 ug/l
RT: 14.724 min Scan# 2174
Delta R.T. 0.000 min
Lab File: VN077182.D
Acq: 24 Mar 2023 16:14



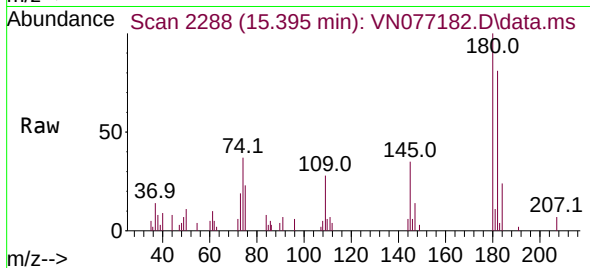
Tgt Ion: 75 Resp: 5157
Ion Ratio Lower Upper
75 100
155 76.8 62.5 93.7
157 106.6 77.5 116.3





#89
1,2,4-Trichlorobenzene
Concen: 3.187 ug/l
RT: 15.395 min Scan# 2288
Delta R.T. -0.006 min
Lab File: VN077182.D
Acq: 24 Mar 2023 16:14

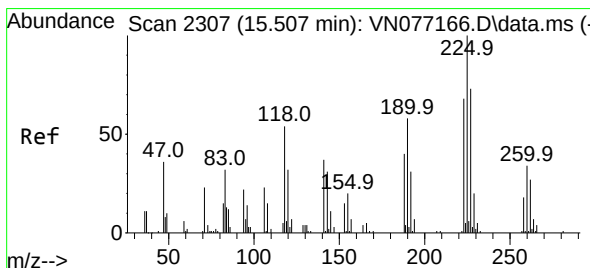
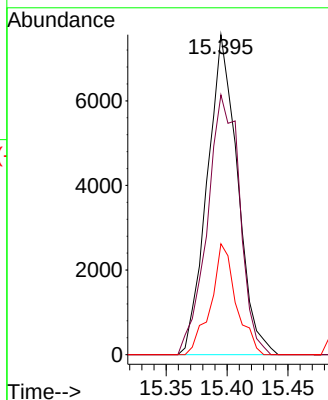
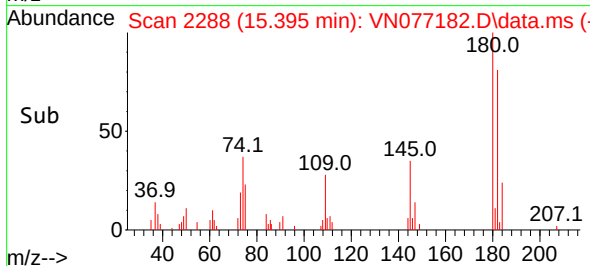
Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT1-2023



Tgt Ion:180 Resp: 13114
Ion Ratio Lower Upper
180 100
182 86.9 76.6 115.0
145 28.9 24.6 36.8

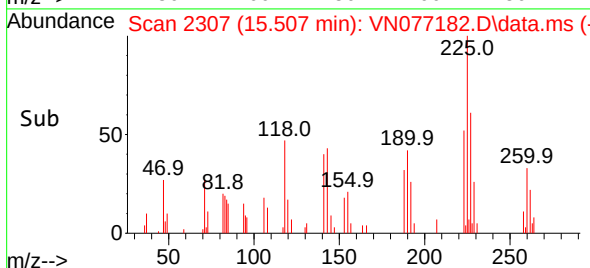
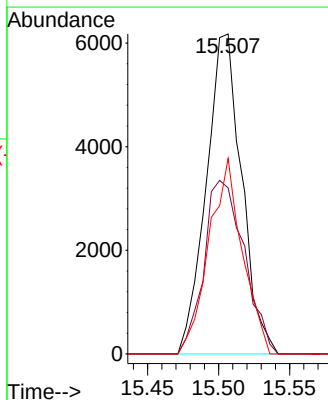
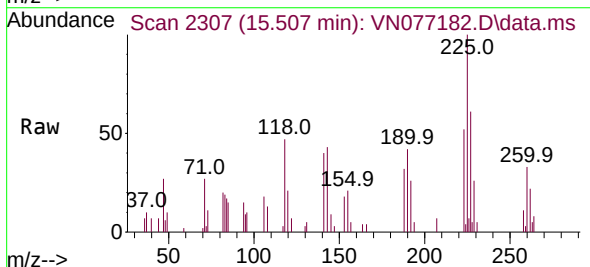
Manual Integrations
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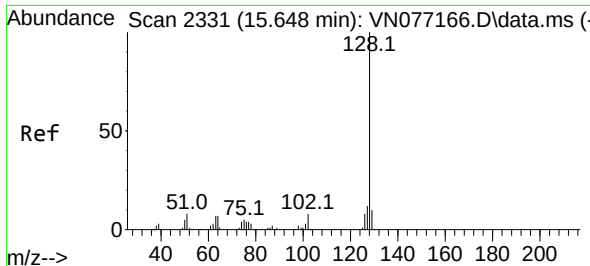
Reviewed By :John Carlone 03/27/2023
Supervised By :Semsettin Yesilyurt 03/27/2023



#90
Hexachlorobutadiene
Concen: 4.608 ug/l
RT: 15.507 min Scan# 2307
Delta R.T. -0.000 min
Lab File: VN077182.D
Acq: 24 Mar 2023 16:14

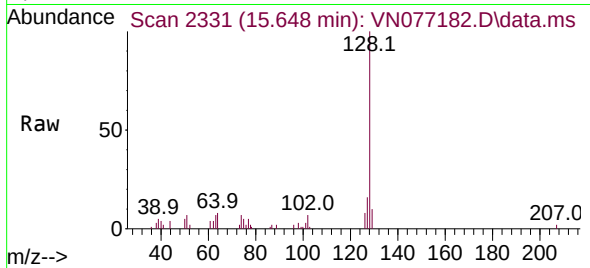
Tgt Ion:225 Resp: 10697
Ion Ratio Lower Upper
225 100
223 61.5 0.0 135.4
227 57.8 0.0 129.4





#91
Naphthalene
Concen: 1.899 ug/l
RT: 15.648 min Scan# 2331
Delta R.T. -0.000 min
Lab File: VN077182.D
Acq: 24 Mar 2023 16:14

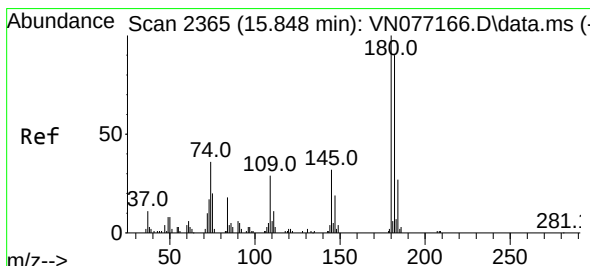
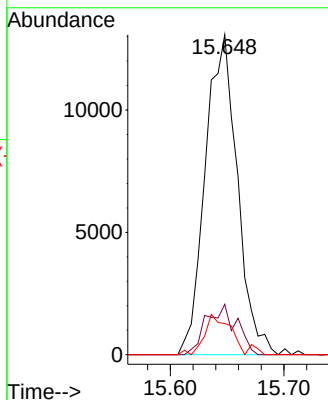
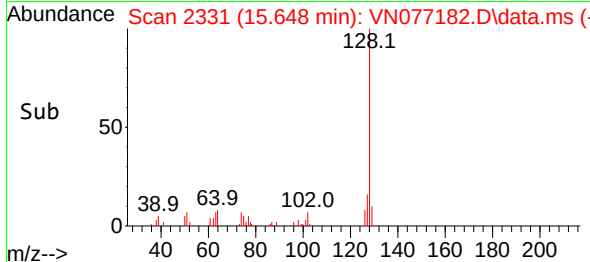
Instrument : MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT1-2023



Tgt Ion:128 Resp: 25649
Ion Ratio Lower Upper
128 100
127 1.9 11.0 16.6
129 0.9 8.9 13.3

Manual Integrations
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Reviewed By :John Carlone 03/27/2023
Supervised By :Semsettin Yesilyurt 03/27/2023



#92
1,2,3-Trichlorobenzene
Concen: 2.535 ug/l
RT: 15.842 min Scan# 2364
Delta R.T. -0.006 min
Lab File: VN077182.D
Acq: 24 Mar 2023 16:14

Tgt Ion:180 Resp: 10360
Ion Ratio Lower Upper
180 100
182 100.2 0.0 190.8
145 11.9 0.0 65.0

