

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032723\
 Data File : VN077201.D
 Acq On : 27 Mar 2023 14:01
 Operator : JC\MD
 Sample : 01627-09
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MDL-WATER-03-QT1-2023

Quant Time: Mar 28 06:43:10 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 03/28/2023
 Supervised By :Semsettin Yesilyurt 03/28/2023

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

Internal Standards						
1) Bromochloromethane	7.819	128	39907	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.101	114	262280	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.866	117	289555	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.583	65	122913	30.328	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 101.100%			
60) 4-Bromofluorobenzene	12.854	95	139246	26.769	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 89.233%			
63) Toluene-d8	10.572	98	310880	30.077	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 100.267%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.137	85	9157	3.485	ug/l	75
3) Chloromethane	2.372	50	15607	3.732	ug/l	97
4) Vinyl Chloride	2.531	62	16043	2.721	ug/l #	83
5) Bromomethane	2.966	94	14793	3.578	ug/l	95
6) Chloroethane	3.131	64	15020	3.056	ug/l	100
7) Trichlorofluoromethane	3.513	101	29131	3.432	ug/l	100
8) Diethyl Ether	3.978	74	8886	2.984	ug/l	76
9) 1,1,2-Trichlorotrifluo...	4.390	101	12663m	2.853	ug/l	
10) 1,1-Dichloroethene	4.354	96	11312m	2.724	ug/l	
11) Methyl Iodide	4.601	142	11579m	2.618	ug/l	
12) Methyl Acetate	5.037	43	20967	2.342	ug/l	98
13) Acrolein	4.195	56	14211	11.711	ug/l #	66
14) Acrylonitrile	5.737	53	34851m	12.831	ug/l	
15) Acetone	4.448	58	11999	16.895	ug/l	79
16) Carbon Disulfide	4.725	76	31572	2.692	ug/l #	89
17) Allyl chloride	5.031	41	19464	2.665	ug/l	89
18) Methylene Chloride	5.295	84	15204m	2.979	ug/l	
19) trans-1,2-Dichloroethene	5.801	96	11655m	2.620	ug/l	
20) Diisopropyl ether	6.684	45	40022	2.419	ug/l	94
21) 1,1-Dichloroethane	6.578	63	25574	2.746	ug/l	98
22) cis-1,2-Dichloroethene	7.501	96	14122m	2.689	ug/l	
23) tert-Butyl Alcohol	5.548	59	10591m	11.487	ug/l	
24) Methyl tert-Butyl Ether	5.807	73	36141	2.451	ug/l #	81
25) Chloroform	7.966	83	24918	2.734	ug/l	99
26) Cyclohexane	8.254	56	18392	2.341	ug/l #	96
29) 1,1-Dichloropropene	8.378	75	15828	2.488	ug/l	84
30) 2-Butanone	7.495	43	49813	13.571	ug/l #	96
31) 2,2-Dichloropropane	7.489	77	19458m	3.265	ug/l	
32) 1,1,1-Trichloroethane	8.172	97	20714	2.700	ug/l	96
33) Carbon Tetrachloride	8.366	117	18179	2.821	ug/l	95
34) Benzene	8.613	78	52217	2.677	ug/l #	85
35) Methacrylonitrile	7.789	41	10413	2.584	ug/l	92
36) 1,2-Dichloroethane	8.678	62	20372	2.833	ug/l	95
37) Trichloroethene	9.354	130	12173	2.761	ug/l	88
38) Methylcyclohexane	9.601	83	18630	2.460	ug/l	96
39) 1,2-Dichloropropane	9.625	63	13746	2.633	ug/l	99
40) Dibromomethane	9.713	93	9365	2.805	ug/l	94
41) Bromodichloromethane	9.883	83	17855	2.626	ug/l #	93
42) Vinyl Acetate	6.613	43	128011	11.635	ug/l	99

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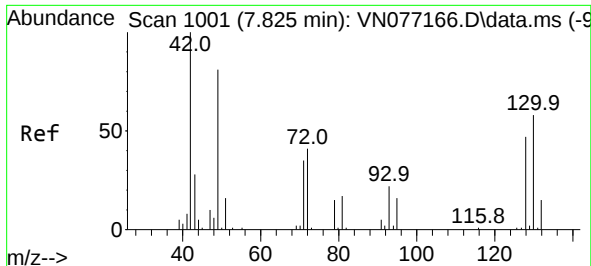
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.572	43	16931	2.309	ug/l #	88
44) Isopropyl Acetate	8.695	43	29584	2.500	ug/l	98
45) 1,4-Dioxane	9.695	88	4537	47.152	ug/l #	71
46) Methyl methacrylate	9.689	41	13004	2.383	ug/l	80
47) n-amyl Acetate	12.495	43	20503	2.059	ug/l	95
48) t-1,3-Dichloropropene	10.842	75	17056	2.470	ug/l	91
49) cis-1,3-Dichloropropene	10.319	75	18299	2.420	ug/l #	87
50) 1,1,2-Trichloroethane	11.013	97	12777	2.726	ug/l #	83
51) Ethyl methacrylate	10.877	69	15684	2.167	ug/l	95
52) 1,3-Dichloropropane	11.160	76	21975	2.641	ug/l	77
53) Dibromochloromethane	11.360	129	12086	2.491	ug/l	94
54) 1,2-Dibromoethane	11.471	107	12012	2.604	ug/l	100
55) 2-Chloroethyl vinyl ether	10.166	63	29475	9.742	ug/l	98
56) Bromoform	12.583	173	8296	2.436	ug/l	97
58) 4-Methyl-2-Pentanone	10.448	43	86006	11.509	ug/l	98
59) 2-Hexanone	11.195	43	60322	11.070	ug/l	99
61) Tetrachloroethene	11.107	164	10271	2.826	ug/l #	82
62) Toluene	10.636	91	53557	2.632	ug/l	95
64) Chlorobenzene	11.895	112	31656	2.629	ug/l	96
65) 1,1,1,2-Tetrachloroethane	11.960	131	11457	2.591	ug/l	94
66) Ethyl Benzene	11.966	91	49907	2.282	ug/l	92
67) m/p-Xylenes	12.071	106	37116	4.411	ug/l	99
68) o-Xylene	12.401	106	18566	2.253	ug/l	92
69) Styrene	12.413	104	26183	1.957	ug/l	96
70) Isopropylbenzene	12.701	105	44112	2.065	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.936	83	18063	2.583	ug/l	95
72) 1,2,3-Trichloropropane	12.995	75	15755m	2.545	ug/l	
73) Bromobenzene	12.983	156	11711	2.452	ug/l	88
74) n-propylbenzene	13.036	91	49775	2.012	ug/l	99
75) 2-Chlorotoluene	13.124	91	33423	2.241	ug/l	97
76) 1,3,5-Trimethylbenzene	13.177	105	34474	1.944	ug/l	94
77) t-1,4-Dichloro-2-butene	12.742	75	3896	1.974	ug/l	92
78) 4-Chlorotoluene	13.224	91	30300	2.112	ug/l	96
79) tert-butylbenzene	13.442	119	31820	2.100	ug/l	96
80) 1,2,4-Trimethylbenzene	13.489	105	29708	1.688	ug/l	98
81) sec-Butylbenzene	13.618	105	39808	1.820	ug/l	96
82) p-Isopropyltoluene	13.730	119	29338	1.673	ug/l	96
83) 1,3-Dichlorobenzene	13.736	146	20823	2.354	ug/l	95
84) 1,4-Dichlorobenzene	13.813	146	18952	2.200	ug/l	97
85) n-Butylbenzene	14.060	91	24557	1.657	ug/l	99
86) Hexachloroethane	14.336	117	8108	2.425	ug/l	95
87) 1,2-Dichlorobenzene	14.112	146	19620	2.218	ug/l	95
88) 1,2-Dibromo-3-Chloropr...	14.718	75	3149	2.347	ug/l	91
89) 1,2,4-Trichlorobenzene	15.401	180	6467	1.639	ug/l #	71
90) Hexachlorobutadiene	15.501	225	5498	2.470	ug/l	84
91) Naphthalene	15.642	128	12881	0.995	ug/l #	95
92) 1,2,3-Trichlorobenzene	15.848	180	5964	1.522	ug/l	93

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

Manual Integrations

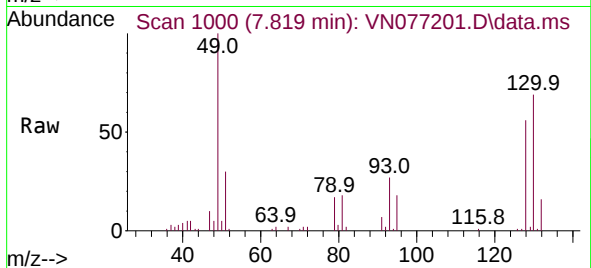
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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.819 min Scan# 10
Delta R.T. -0.006 min
Lab File: VN077201.D
Acq: 27 Mar 2023 14:01

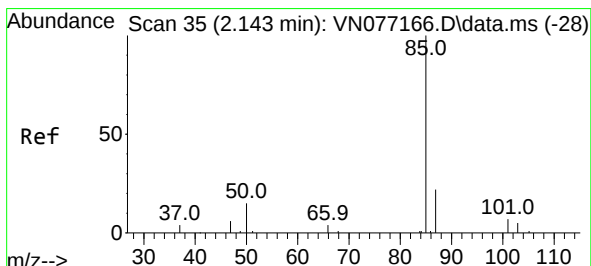
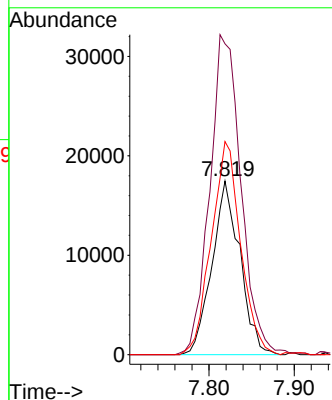
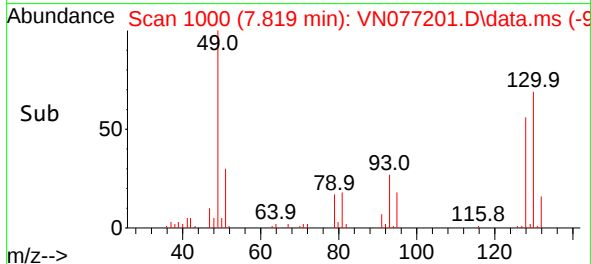
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT1-2023



Tgt Ion:128 Resp: 3990
Ion Ratio Lower Upper
128 100
49 204.6 0.0 461.8
130 128.7 0.0 295.3

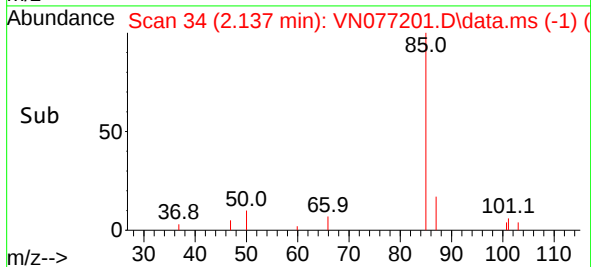
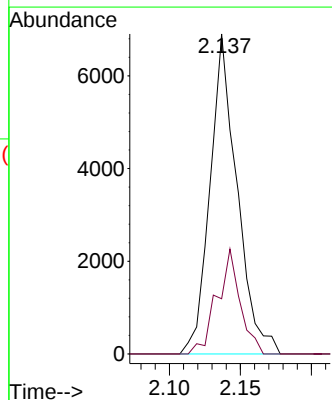
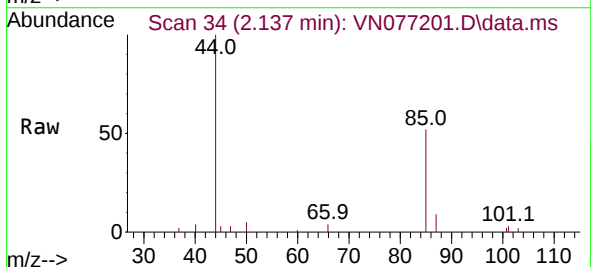
Manual Integrations
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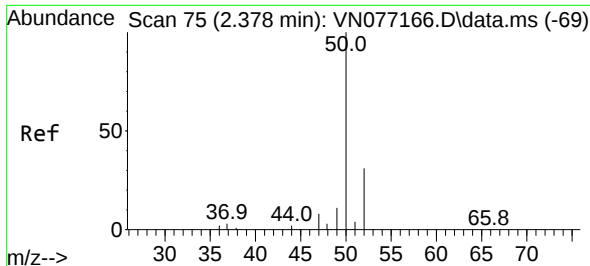
Reviewed By :John Carlone 03/28/2023
Supervised By :Semsettin Yesilyurt 03/28/2023



#2
Dichlorodifluoromethane
Concen: 3.485 ug/l
RT: 2.137 min Scan# 34
Delta R.T. -0.006 min
Lab File: VN077201.D
Acq: 27 Mar 2023 14:01

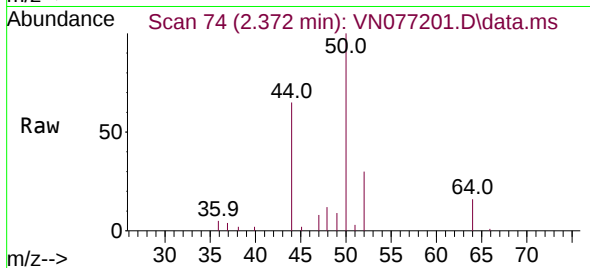
Tgt Ion: 85 Resp: 9157
Ion Ratio Lower Upper
85 100
87 17.3 15.4 46.1





#3
Chloromethane
Concen: 3.732 ug/l
RT: 2.372 min Scan# 74
Delta R.T. -0.006 min
Lab File: VN077201.D
Acq: 27 Mar 2023 14:01

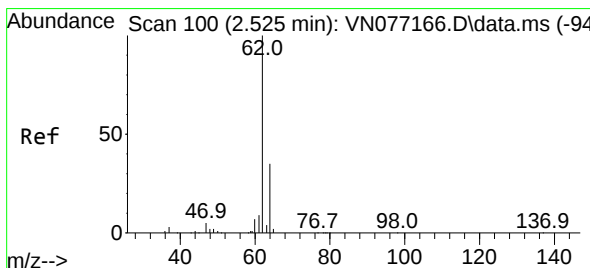
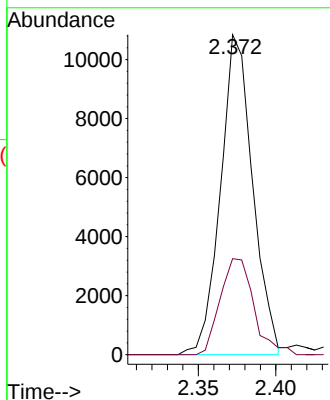
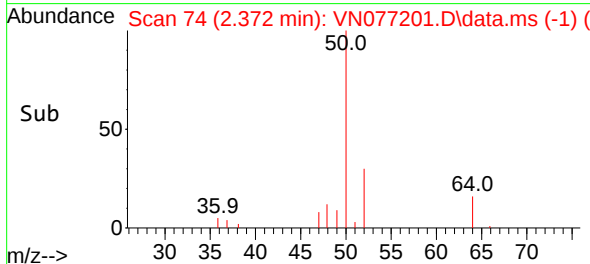
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT1-2023



Tgt Ion: 50 Resp: 1560
Ion Ratio Lower Upper
50 100
52 30.0 25.3 37.9

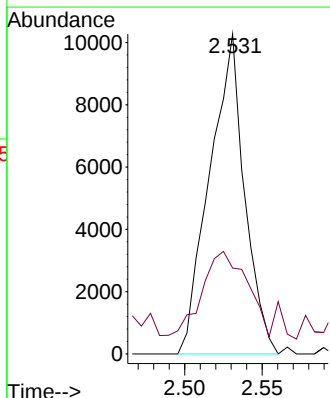
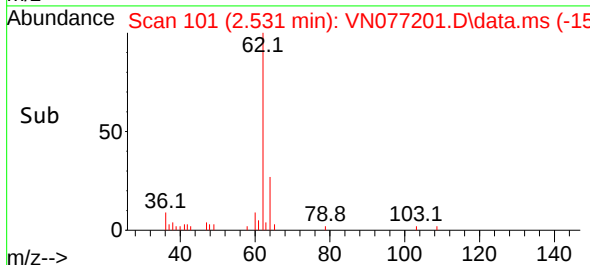
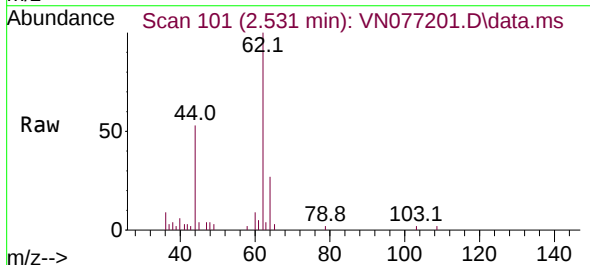
Manual Integrations
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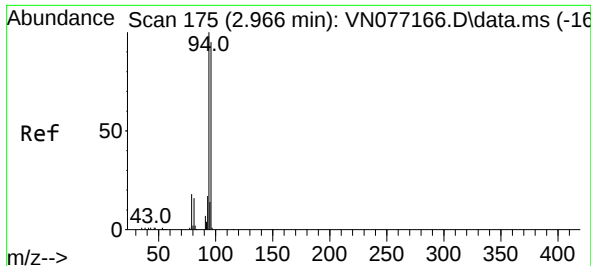
Reviewed By :John Carlone 03/28/2023
Supervised By :Semsettin Yesilyurt 03/28/2023



#4
Vinyl Chloride
Concen: 2.721 ug/l
RT: 2.531 min Scan# 101
Delta R.T. 0.006 min
Lab File: VN077201.D
Acq: 27 Mar 2023 14:01

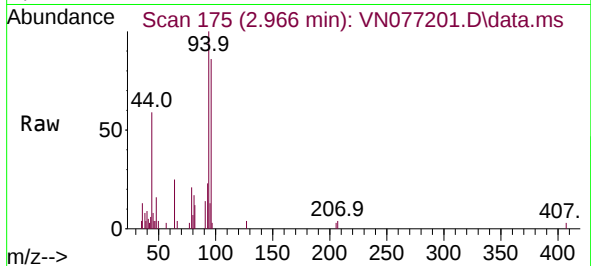
Tgt Ion: 62 Resp: 16043
Ion Ratio Lower Upper
62 100
64 19.6 23.1 34.7#





#5
Bromomethane
Concen: 3.578 ug/l
RT: 2.966 min Scan# 175
Delta R.T. 0.000 min
Lab File: VN077201.D
Acq: 27 Mar 2023 14:01

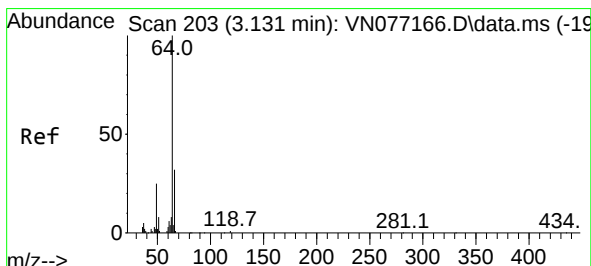
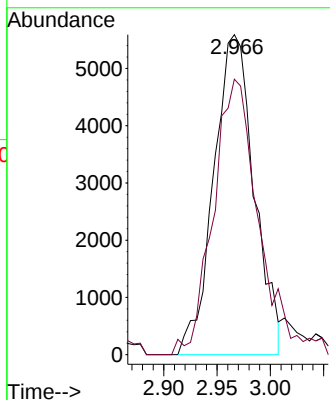
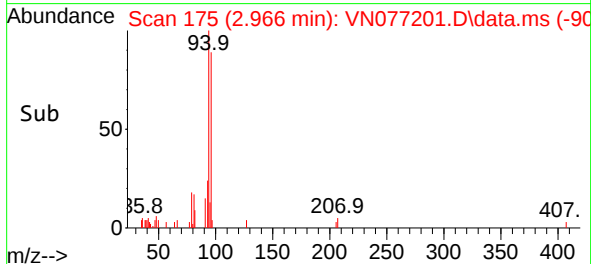
Instrument :
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ClientSampleId :
MDL-WATER-03-QT1-2023



Tgt Ion: 94 Resp: 1479
Ion Ratio Lower Upper
94 100
96 81.3 68.6 103.0

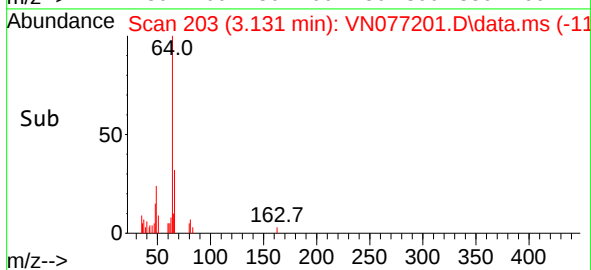
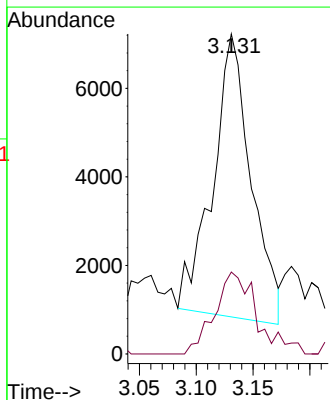
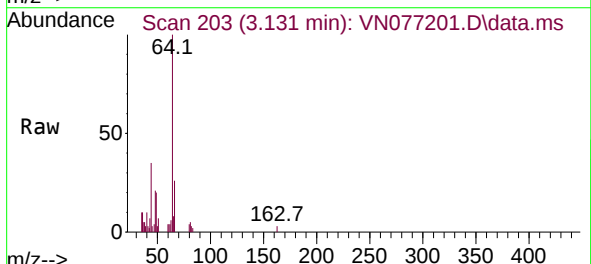
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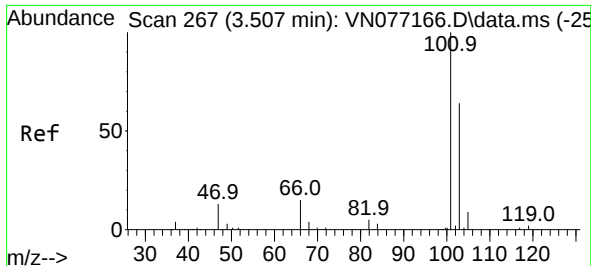
Reviewed By :John Carlone 03/28/2023
Supervised By :Semsettin Yesilyurt 03/28/2023



#6
Chloroethane
Concen: 3.056 ug/l
RT: 3.131 min Scan# 203
Delta R.T. -0.000 min
Lab File: VN077201.D
Acq: 27 Mar 2023 14:01

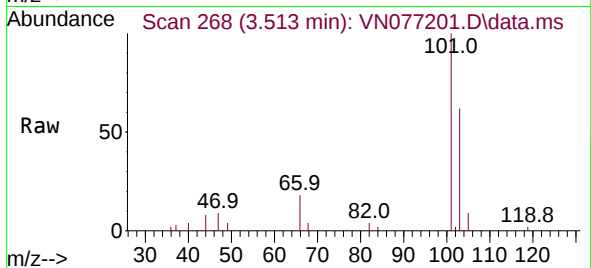
Tgt Ion: 64 Resp: 15020
Ion Ratio Lower Upper
64 100
66 29.9 23.8 35.6





#7
 Trichlorofluoromethane
 Concen: 3.432 ug/l
 RT: 3.513 min Scan# 20
 Delta R.T. 0.006 min
 Lab File: VN077201.D
 Acq: 27 Mar 2023 14:01

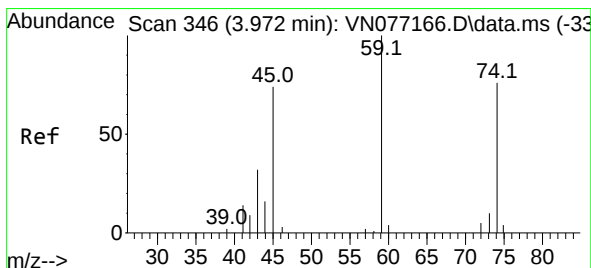
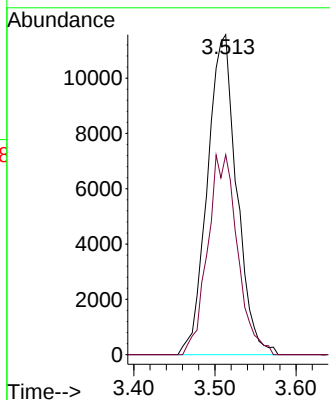
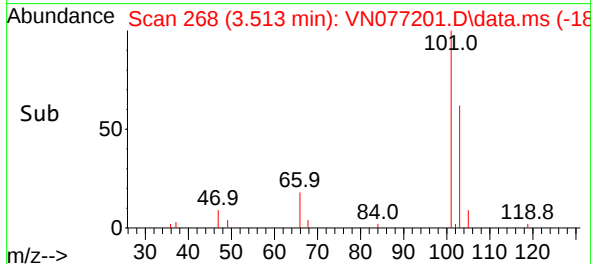
Instrument :
 MSVOA_N
 ClientSampleId :
 MDL-WATER-03-QT1-2023



Tgt Ion:101 Resp: 2913
 Ion Ratio Lower Upper
 101 100
 103 62.4 50.2 75.2

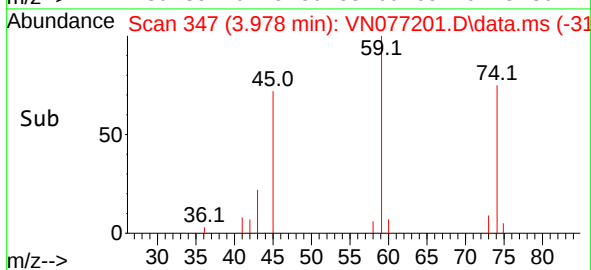
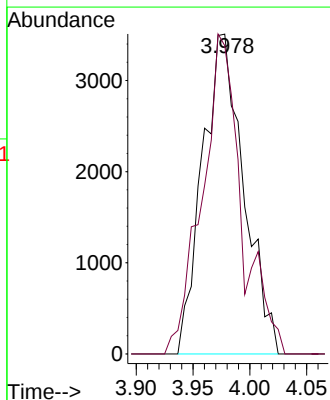
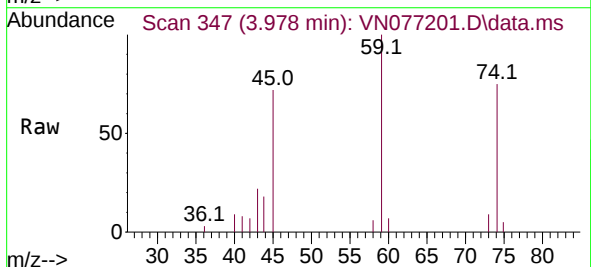
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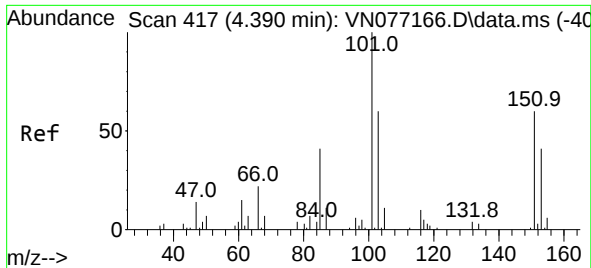
Reviewed By :John Carlone 03/28/2023
 Supervised By :Semsettin Yesilyurt 03/28/2023



#8
 Diethyl Ether
 Concen: 2.984 ug/l
 RT: 3.978 min Scan# 347
 Delta R.T. 0.006 min
 Lab File: VN077201.D
 Acq: 27 Mar 2023 14:01

Tgt Ion: 74 Resp: 8886
 Ion Ratio Lower Upper
 74 100
 45 81.9 21.4 193.0





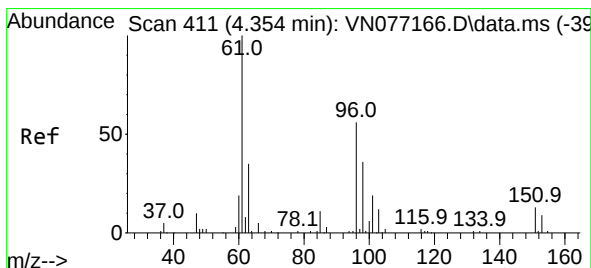
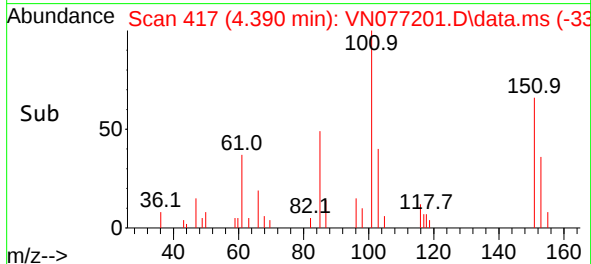
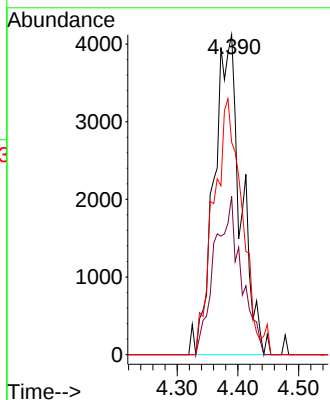
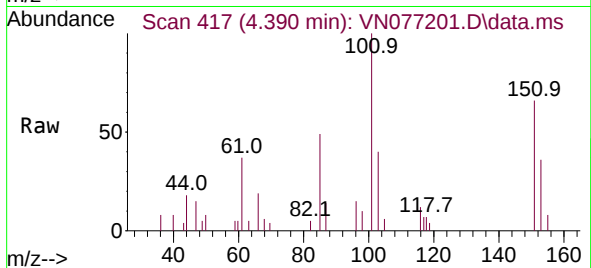
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1,1,2-Trichlorotrifluoroethane
Concen: 2.853 ug/l m
RT: 4.390 min Scan# 417
Delta R.T. -0.000 min
Lab File: VN077201.D
Acq: 27 Mar 2023 14:01

Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT1-2023

Tgt Ion:101 Resp: 1266
Ion Ratio Lower Upper
101 100
85 26.8 0.0 95.2
151 83.0 0.0 142.2

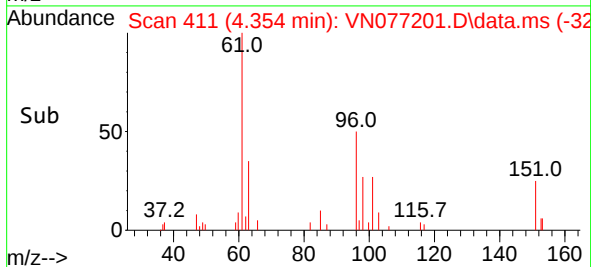
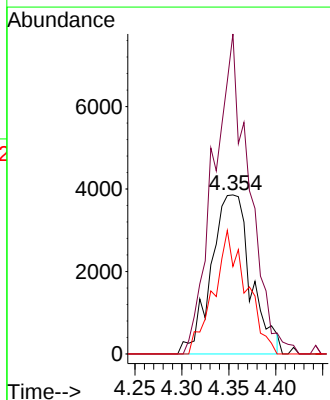
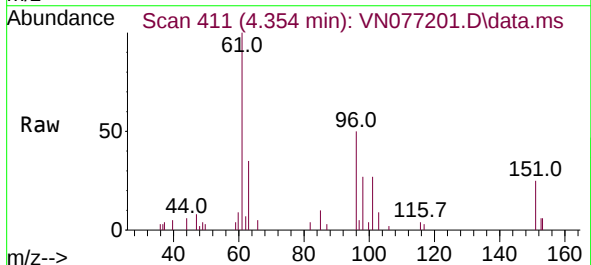
Manual Integrations
APPROVED

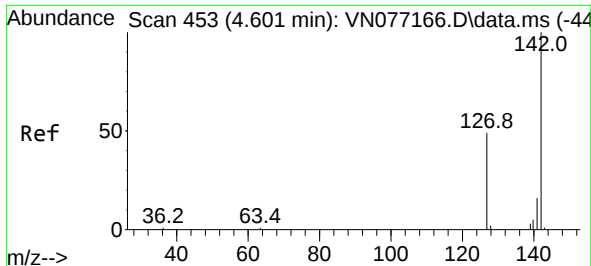
Reviewed By :John Carlone 03/28/2023
Supervised By :Semsettin Yesilyurt 03/28/2023



#10
1,1-Dichloroethene
Concen: 2.724 ug/l m
RT: 4.354 min Scan# 411
Delta R.T. 0.000 min
Lab File: VN077201.D
Acq: 27 Mar 2023 14:01

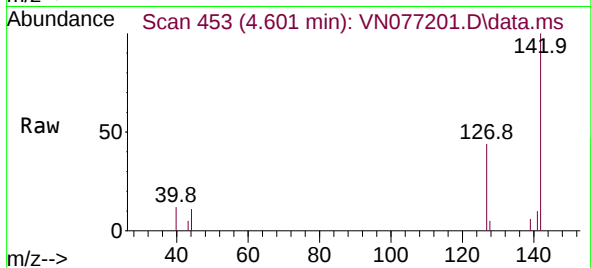
Tgt Ion: 96 Resp: 11312
Ion Ratio Lower Upper
96 100
61 201.1 137.1 205.7
98 55.1 53.2 79.8





#11
Methyl Iodide
Concen: 2.618 ug/l m
RT: 4.601 min Scan# 4
Delta R.T. 0.000 min
Lab File: VN077201.D
Acq: 27 Mar 2023 14:01

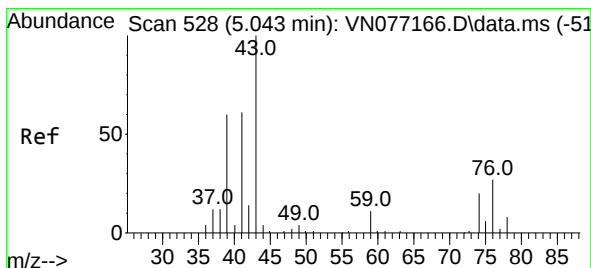
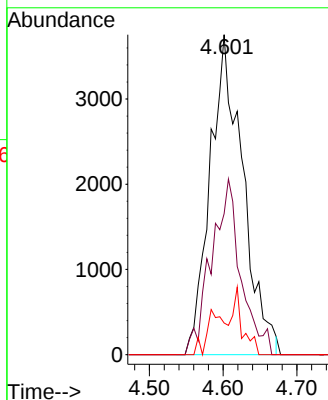
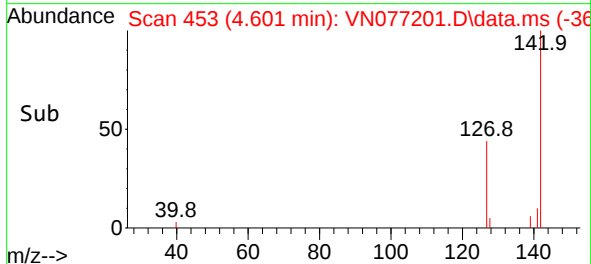
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT1-2023



Tgt Ion:142 Resp: 11579
Ion Ratio Lower Upper
142 100
127 44.0 25.0 75.0
141 9.9 8.0 24.0

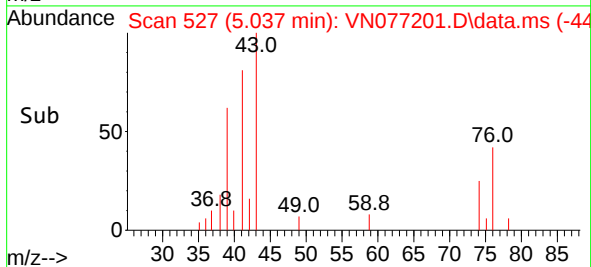
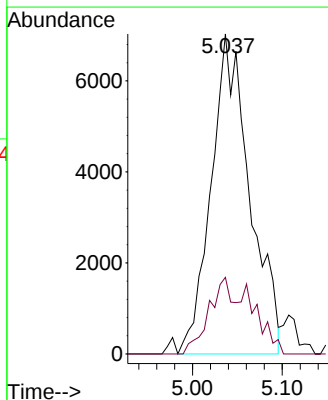
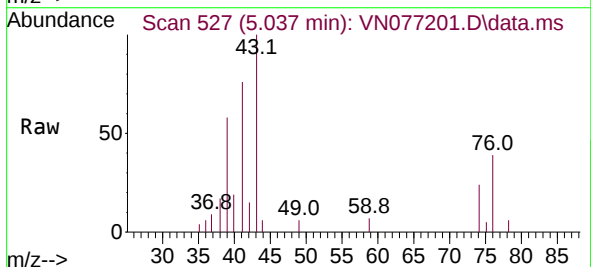
Manual Integrations
APPROVED

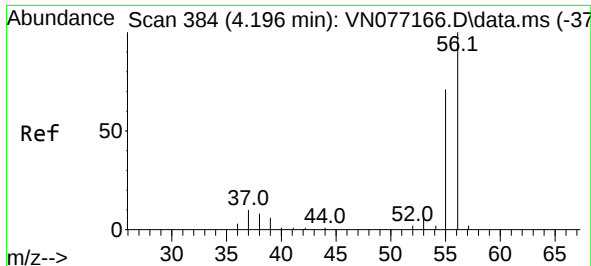
Reviewed By :John Carlone 03/28/2023
Supervised By :Semsettin Yesilyurt 03/28/2023



#12
Methyl Acetate
Concen: 2.342 ug/l
RT: 5.037 min Scan# 527
Delta R.T. -0.006 min
Lab File: VN077201.D
Acq: 27 Mar 2023 14:01

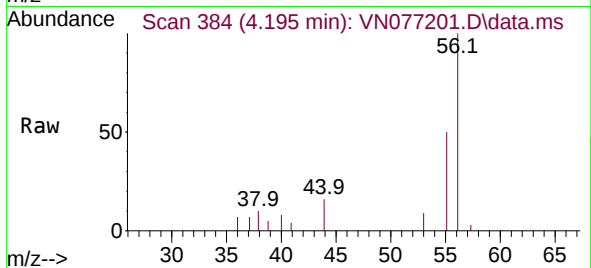
Tgt Ion: 43 Resp: 20967
Ion Ratio Lower Upper
43 100
74 22.6 19.0 28.4





#13
Acrolein
Concen: 11.711 ug/l
RT: 4.195 min Scan# 384
Delta R.T. -0.001 min
Lab File: VN077201.D
Acq: 27 Mar 2023 14:01

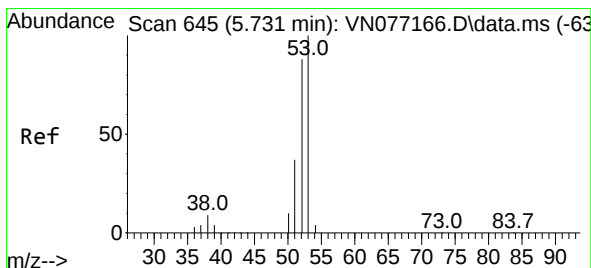
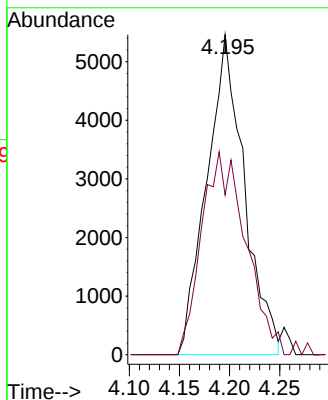
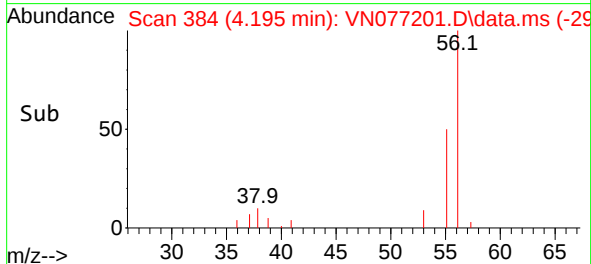
Instrument : MSVOA_N
ClientSampleId :
MDL-WATER-03-QT1-2023



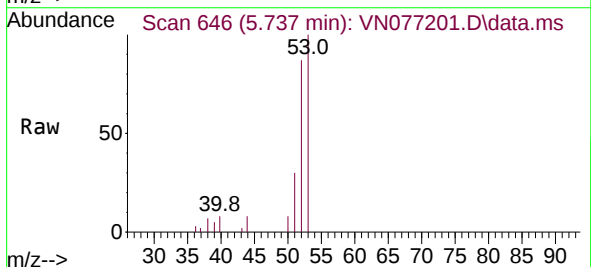
Tgt Ion: 56 Resp: 1421
Ion Ratio Lower Upper
56 100
55 41.1 55.0 82.4

Manual Integrations
APPROVED

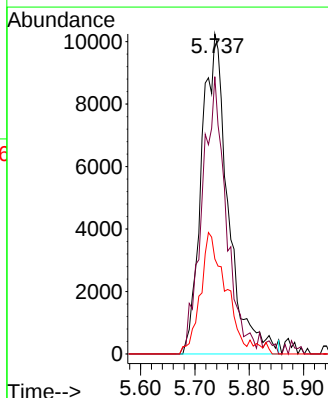
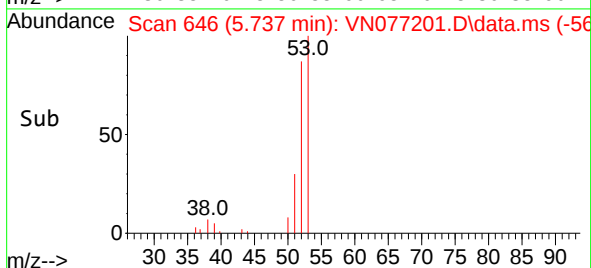
Reviewed By :John Carlone 03/28/2023
Supervised By :Semsettin Yesilyurt 03/28/2023

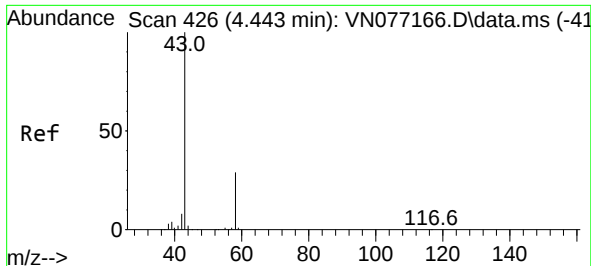


#14
Acrylonitrile
Concen: 12.831 ug/l m
RT: 5.737 min Scan# 646
Delta R.T. 0.006 min
Lab File: VN077201.D
Acq: 27 Mar 2023 14:01



Tgt Ion: 53 Resp: 34851
Ion Ratio Lower Upper
53 100
52 28.5 41.5 124.6#
51 24.7 17.6 52.8





#15

Acetone

Concen: 16.895 ug/l

RT: 4.448 min Scan# 41

Delta R.T. 0.005 min

Lab File: VN077201.D

Acq: 27 Mar 2023 14:01

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT1-2023

Tgt Ion: 58 Resp: 1199

Ion Ratio Lower Upper

58 100

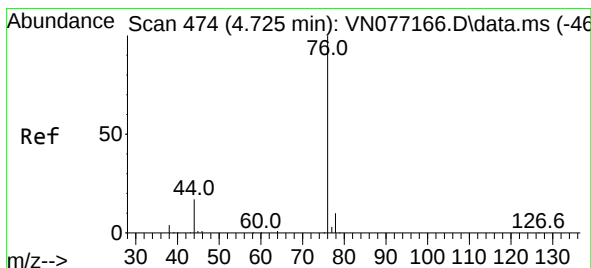
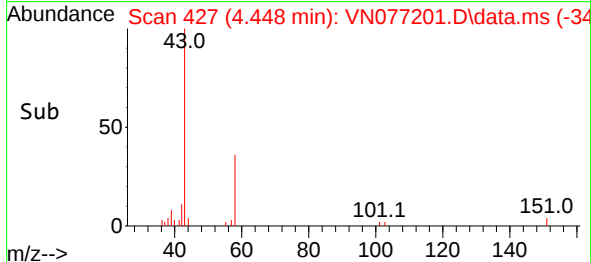
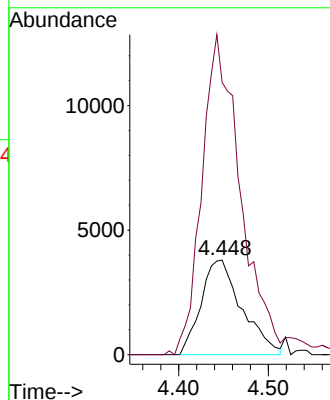
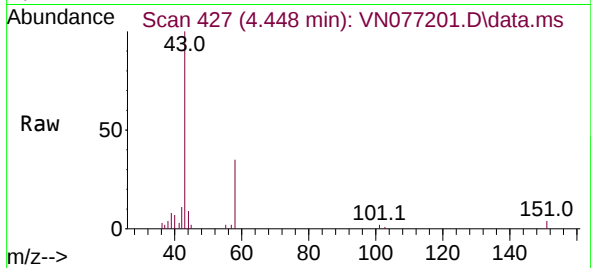
43 275.7 255.4 383.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/28/2023

Supervised By :Semsettin Yesilyurt 03/28/2023



#16

Carbon Disulfide

Concen: 2.692 ug/l

RT: 4.725 min Scan# 474

Delta R.T. -0.000 min

Lab File: VN077201.D

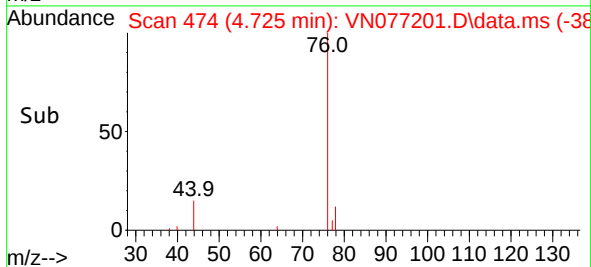
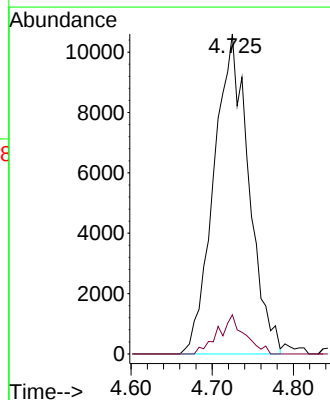
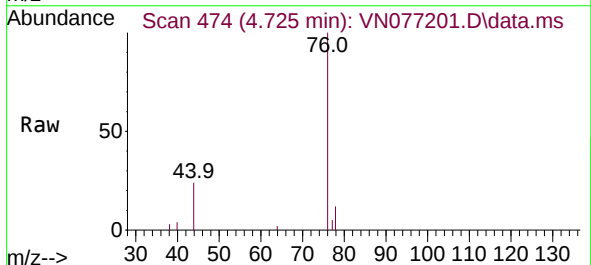
Acq: 27 Mar 2023 14:01

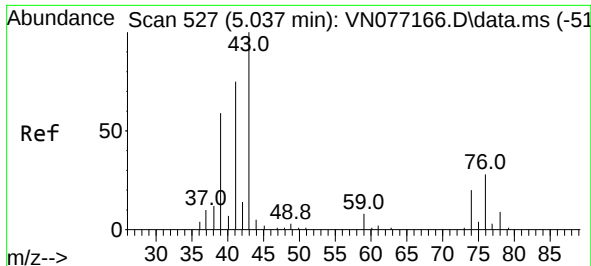
Tgt Ion: 76 Resp: 31572

Ion Ratio Lower Upper

76 100

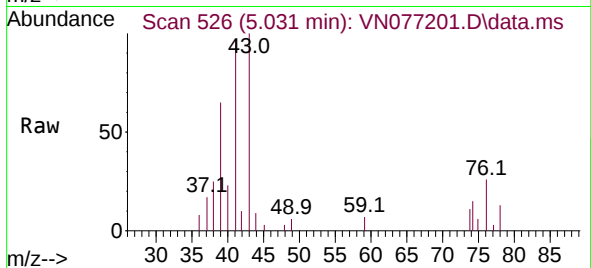
78 12.3 6.6 9.8#





#17
 Allyl chloride
 Concen: 2.665 ug/l
 RT: 5.031 min Scan# 51
 Delta R.T. -0.006 min
 Lab File: VN077201.D
 Acq: 27 Mar 2023 14:01

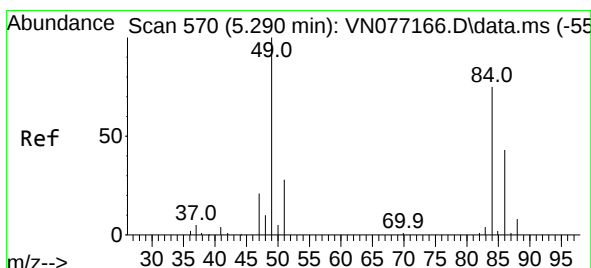
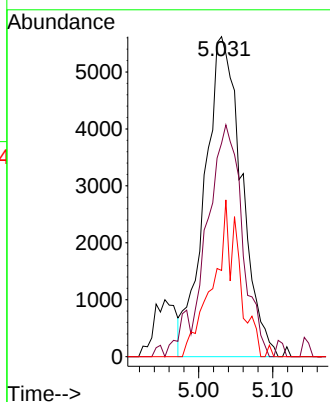
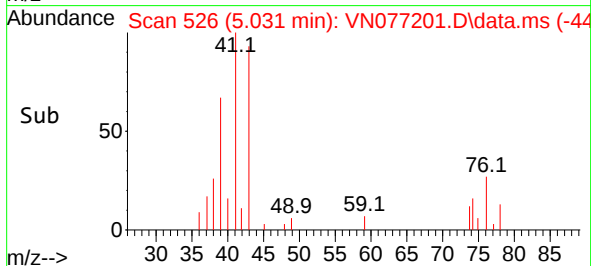
Instrument :
 MSVOA_N
 ClientSampleId :
 MDL-WATER-03-QT1-2023



Tgt Ion: 41 Resp: 1946
 Ion Ratio Lower Upper
 41 100
 39 61.9 34.8 104.3
 76 26.9 17.5 52.5

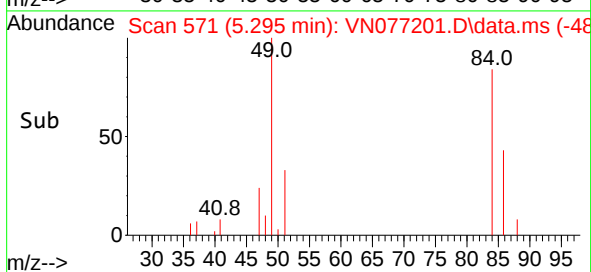
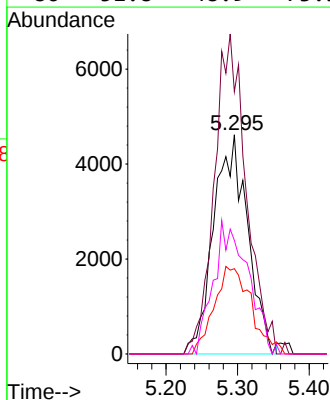
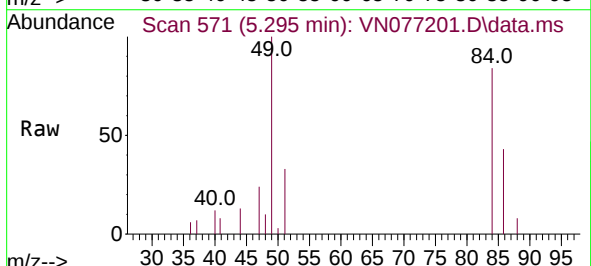
Manual Integrations
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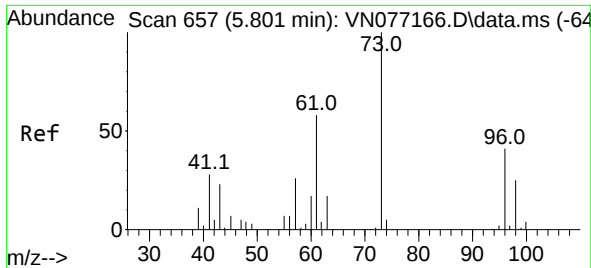
Reviewed By :John Carlone 03/28/2023
 Supervised By :Semsettin Yesilyurt 03/28/2023



#18
 Methylene Chloride
 Concen: 2.979 ug/l m
 RT: 5.295 min Scan# 571
 Delta R.T. 0.005 min
 Lab File: VN077201.D
 Acq: 27 Mar 2023 14:01

Tgt Ion: 84 Resp: 15204
 Ion Ratio Lower Upper
 84 100
 49 119.7 113.8 170.6
 51 39.0 34.2 51.4
 86 51.8 48.9 73.3





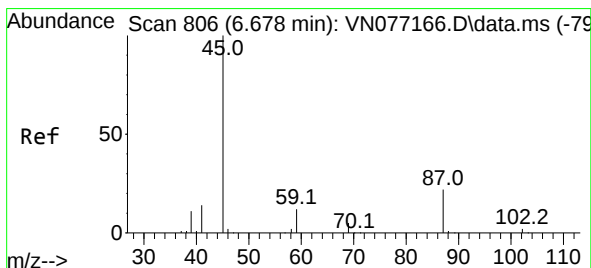
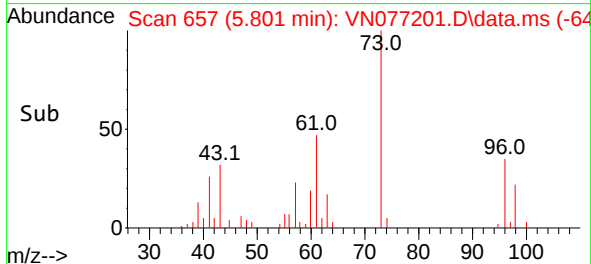
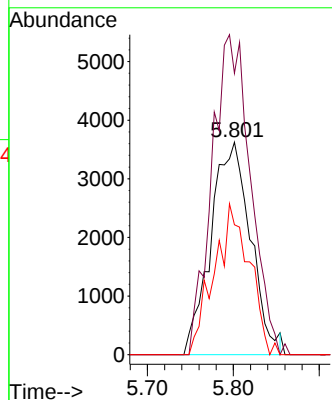
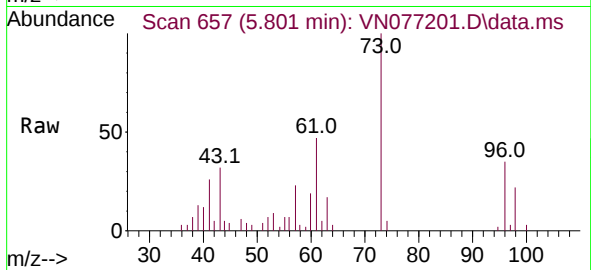
#19
trans-1,2-Dichloroethene
Concen: 2.620 ug/l m
RT: 5.801 min Scan# 611
Delta R.T. 0.000 min
Lab File: VN077201.D
Acq: 27 Mar 2023 14:01

Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT1-2023

Tgt Ion: 96 Resp: 1165
Ion Ratio Lower Upper
96 100
61 132.4 111.0 166.4
98 61.1 55.0 82.6

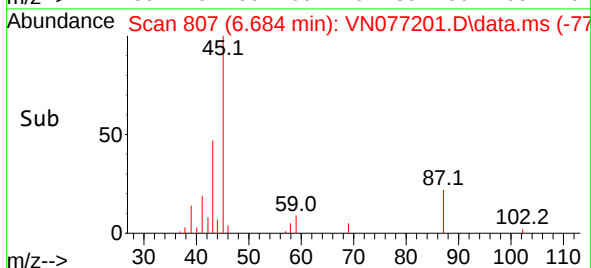
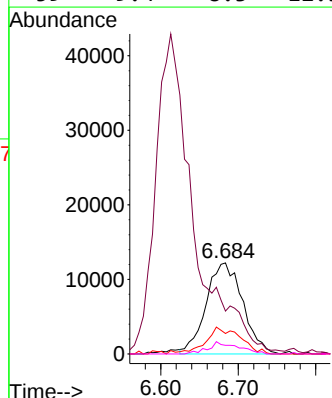
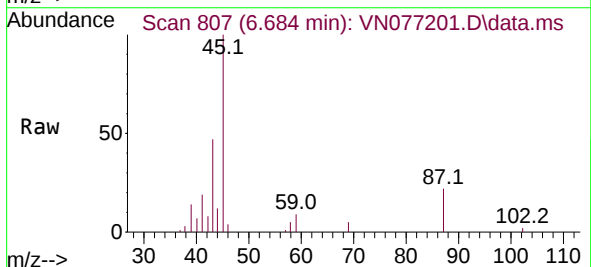
Manual Integrations
APPROVED

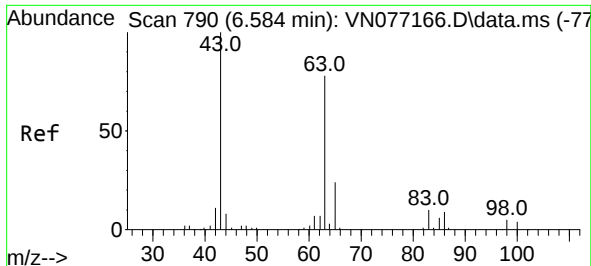
Reviewed By :John Carlone 03/28/2023
Supervised By :Semsettin Yesilyurt 03/28/2023



#20
Diisopropyl ether
Concen: 2.419 ug/l
RT: 6.684 min Scan# 807
Delta R.T. 0.006 min
Lab File: VN077201.D
Acq: 27 Mar 2023 14:01

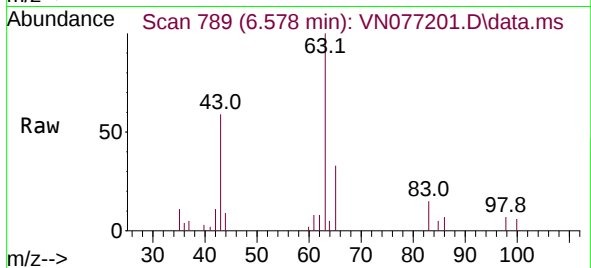
Tgt Ion: 45 Resp: 40022
Ion Ratio Lower Upper
45 100
43 43.6 38.6 58.0
87 22.5 20.1 30.1
59 9.4 8.3 12.5





#21
1,1-Dichloroethane
Concen: 2.746 ug/l
RT: 6.578 min Scan# 790
Delta R.T. -0.006 min
Lab File: VN077201.D
Acq: 27 Mar 2023 14:01

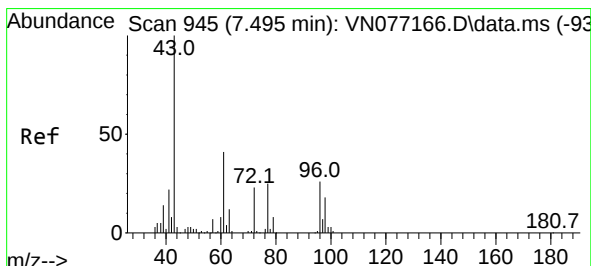
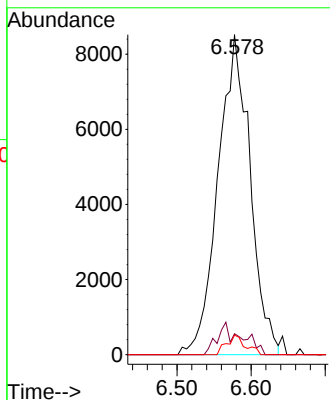
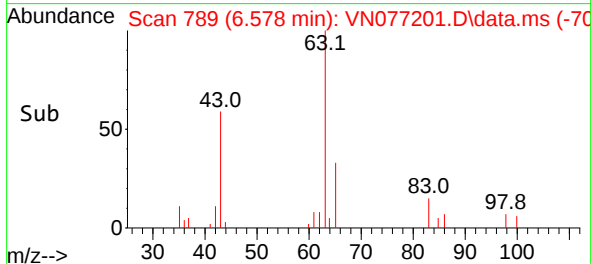
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT1-2023



Tgt Ion: 63 Resp: 25574
Ion Ratio Lower Upper
63 100
98 6.5 3.6 10.9
100 6.1 2.6 7.8

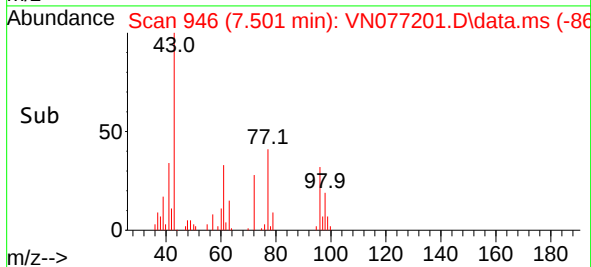
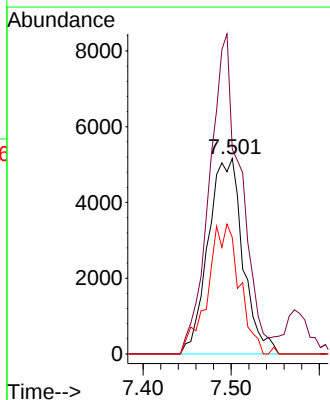
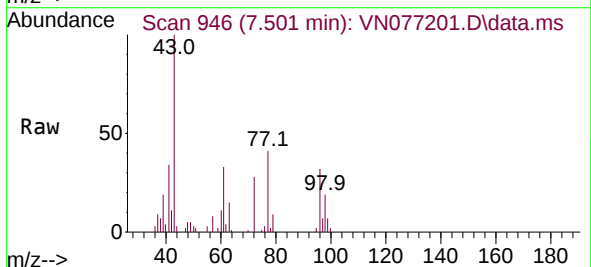
Manual Integrations
APPROVED

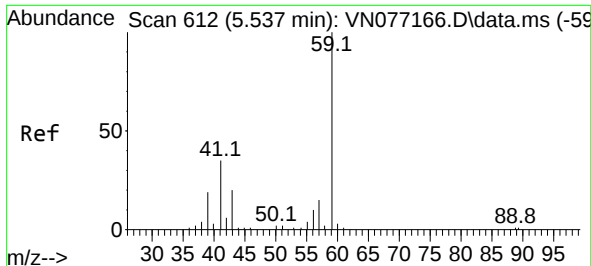
Reviewed By :John Carlone 03/28/2023
Supervised By :Semsettin Yesilyurt 03/28/2023



#22
cis-1,2-Dichloroethene
Concen: 2.689 ug/l m
RT: 7.501 min Scan# 946
Delta R.T. 0.006 min
Lab File: VN077201.D
Acq: 27 Mar 2023 14:01

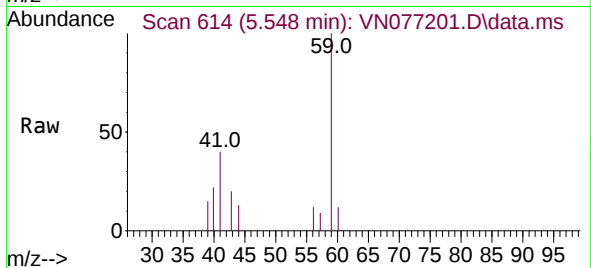
Tgt Ion: 96 Resp: 14122
Ion Ratio Lower Upper
96 100
61 117.5 121.0 181.4#
98 31.2 50.1 75.1#





#23
tert-Butyl Alcohol
Concen: 11.487 ug/l m
RT: 5.548 min Scan# 612
Delta R.T. 0.011 min
Lab File: VN077201.D
Acq: 27 Mar 2023 14:01

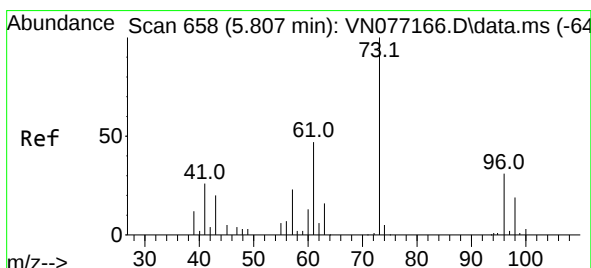
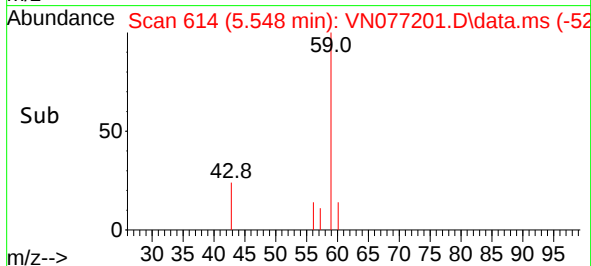
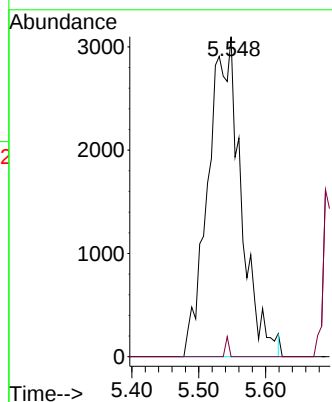
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT1-2023



Tgt Ion: 59 Resp: 1059
Ion Ratio Lower Upper
59 100
52 0.0 0.2 0.2

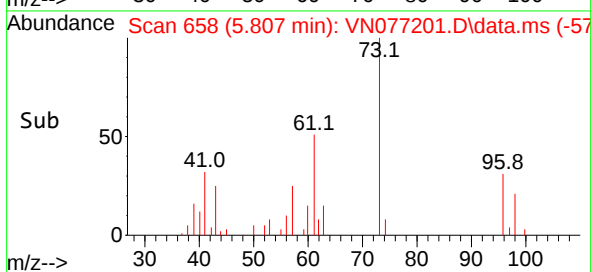
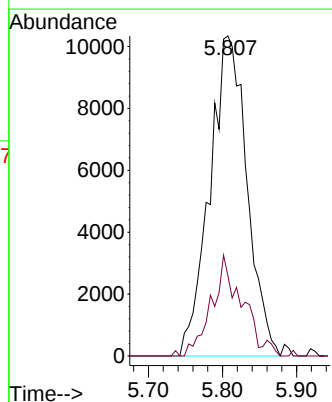
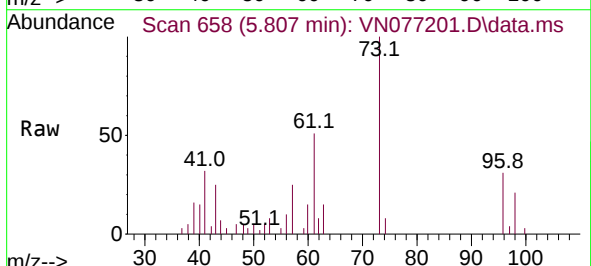
Manual Integrations
APPROVED

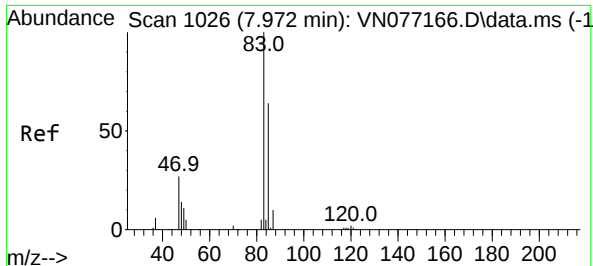
Reviewed By :John Carlone 03/28/2023
Supervised By :Semsettin Yesilyurt 03/28/2023



#24
Methyl tert-Butyl Ether
Concen: 2.451 ug/l
RT: 5.807 min Scan# 658
Delta R.T. 0.000 min
Lab File: VN077201.D
Acq: 27 Mar 2023 14:01

Tgt Ion: 73 Resp: 36141
Ion Ratio Lower Upper
73 100
43 13.2 17.8 26.6#





#25

Chloroform

Concen: 2.734 ug/l

RT: 7.966 min Scan# 1025

Delta R.T. -0.006 min

Lab File: VN077201.D

Acq: 27 Mar 2023 14:01

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT1-2023

Tgt Ion: 83 Resp: 24918

Ion Ratio Lower Upper

83 100

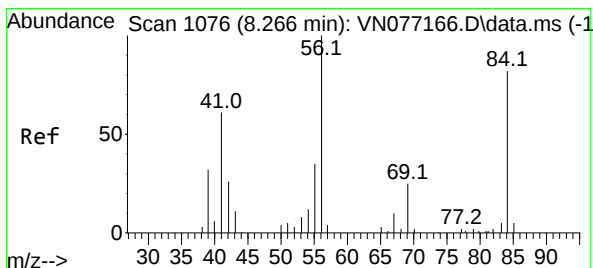
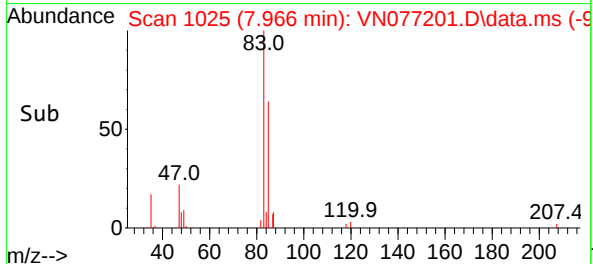
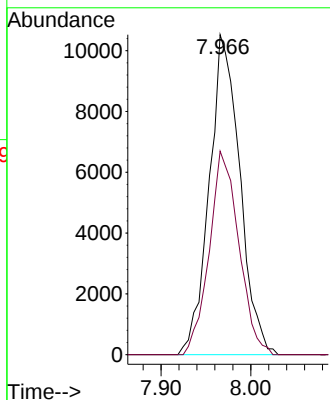
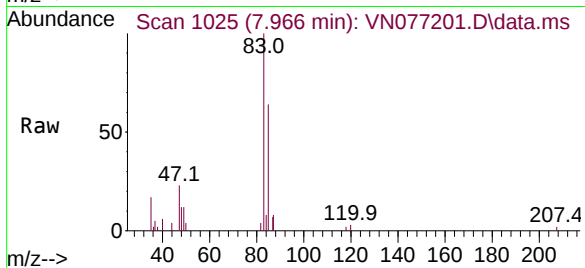
85 63.6 51.8 77.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/28/2023

Supervised By :Semsettin Yesilyurt 03/28/2023



#26

Cyclohexane

Concen: 2.341 ug/l

RT: 8.254 min Scan# 1074

Delta R.T. -0.012 min

Lab File: VN077201.D

Acq: 27 Mar 2023 14:01

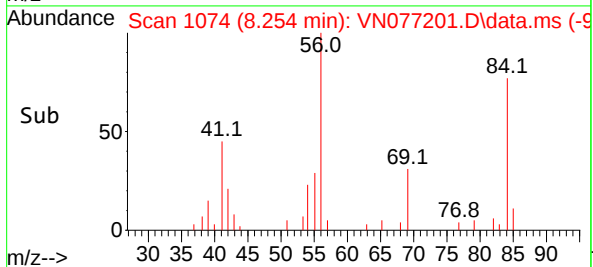
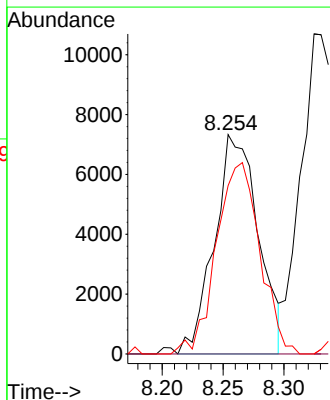
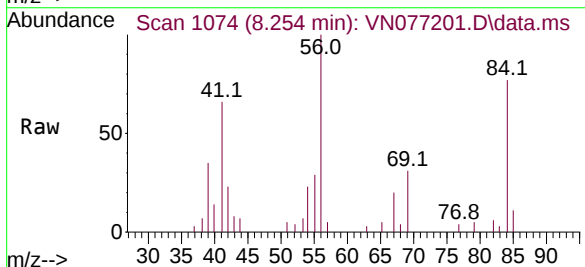
Tgt Ion: 56 Resp: 18392

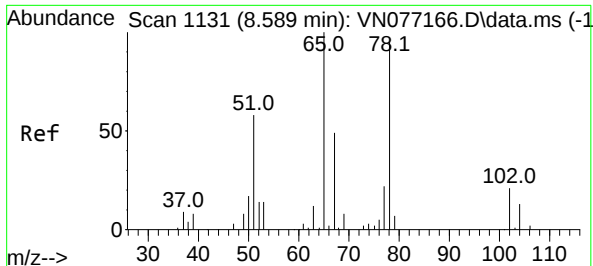
Ion Ratio Lower Upper

56 100

89 0.0 0.0 0.0

84 84.9 65.3 97.9





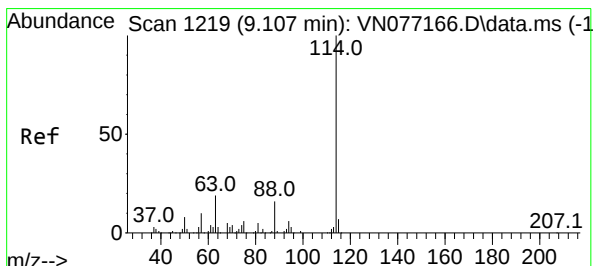
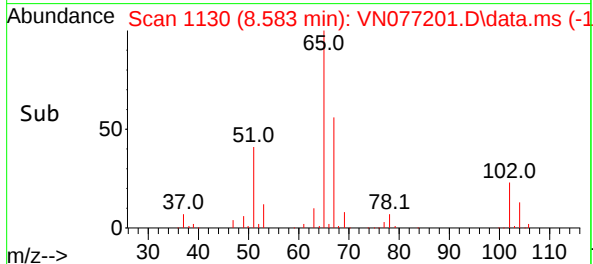
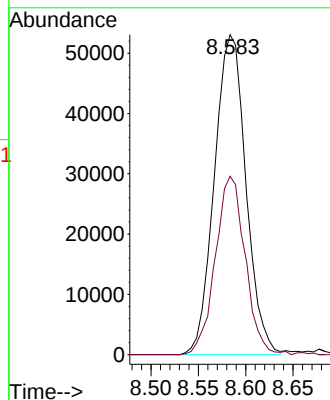
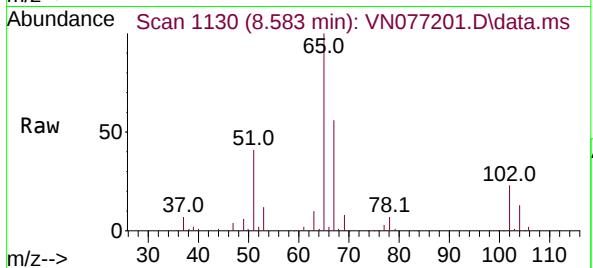
#27
1,2-Dichloroethane-d4
Concen: 30.328 ug/l
RT: 8.583 min Scan# 1131
Delta R.T. -0.006 min
Lab File: VN077201.D
Acq: 27 Mar 2023 14:01

Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT1-2023

Tgt Ion: 65 Resp: 12291
Ion Ratio Lower Upper
65 100
67 52.6 40.9 61.3

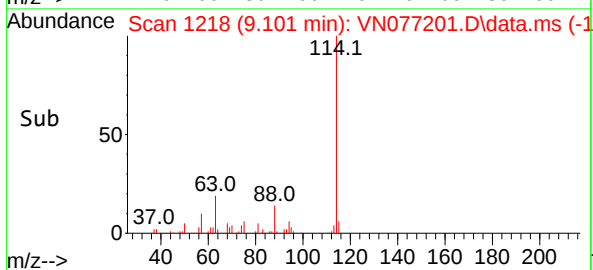
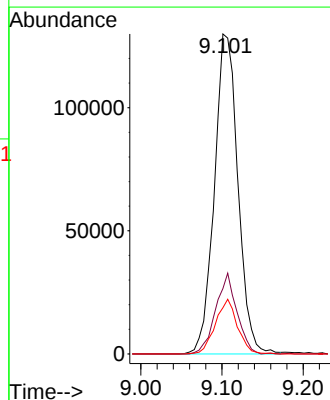
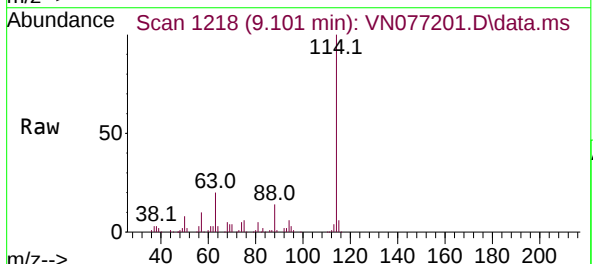
Manual Integrations
APPROVED

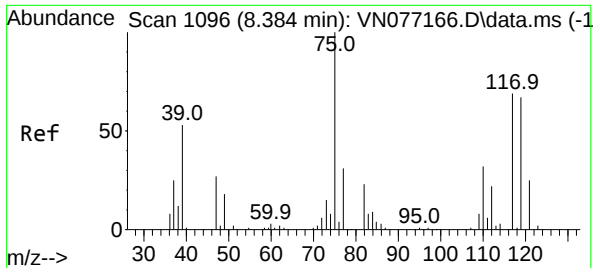
Reviewed By :John Carlone 03/28/2023
Supervised By :Semsettin Yesilyurt 03/28/2023



#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.101 min Scan# 1218
Delta R.T. -0.006 min
Lab File: VN077201.D
Acq: 27 Mar 2023 14:01

Tgt Ion:114 Resp: 262280
Ion Ratio Lower Upper
114 100
63 22.7 17.0 25.4
88 16.0 11.6 17.4





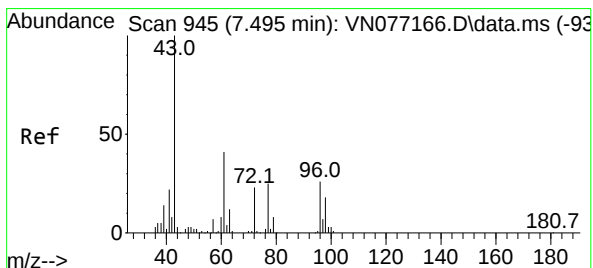
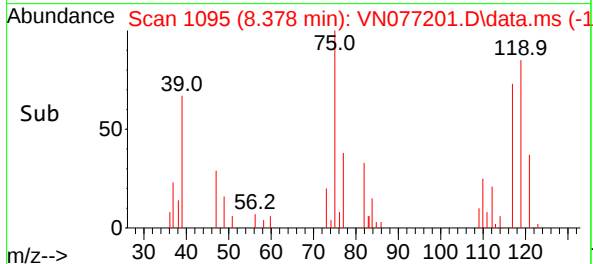
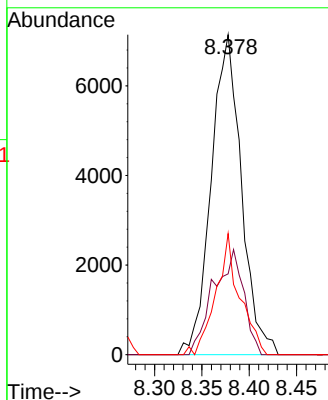
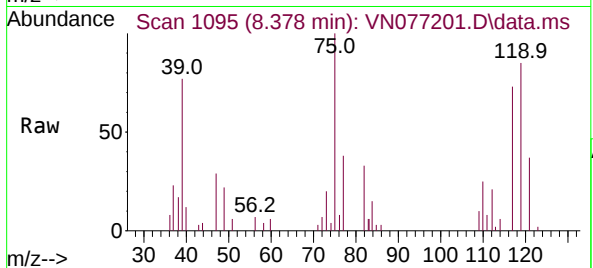
#29
1,1-Dichloropropene
Concen: 2.488 ug/l
RT: 8.378 min Scan# 1095
Delta R.T. -0.006 min
Lab File: VN077201.D
Acq: 27 Mar 2023 14:01

Instrument : MSVOA_N
ClientSampleId : MDL-WATER-03-QT1-2023

Tgt Ion: 75 Resp: 15828
Ion Ratio Lower Upper
75 100
110 18.2 0.0 67.2
77 29.6 0.0 64.4

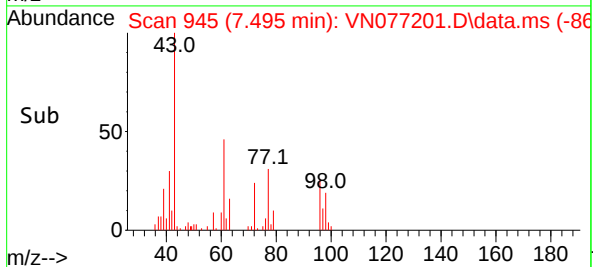
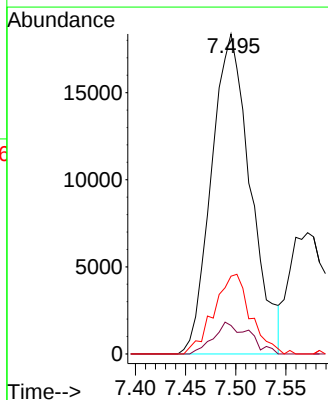
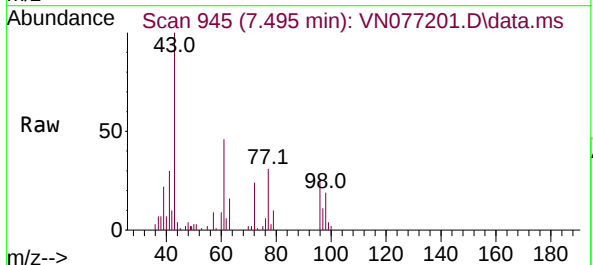
Manual Integrations
APPROVED

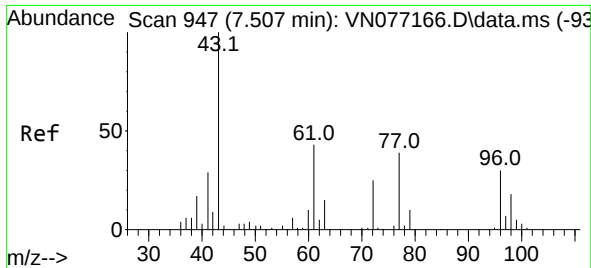
Reviewed By :John Carlone 03/28/2023
Supervised By :Semsettin Yesilyurt 03/28/2023



#30
2-Butanone
Concen: 13.571 ug/l
RT: 7.495 min Scan# 945
Delta R.T. 0.000 min
Lab File: VN077201.D
Acq: 27 Mar 2023 14:01

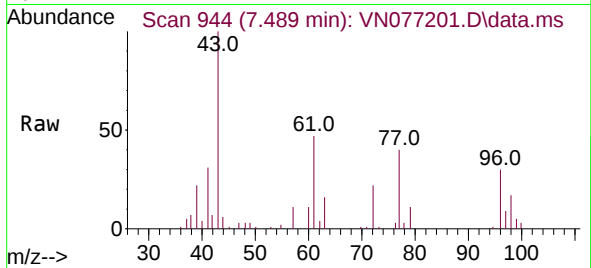
Tgt Ion: 43 Resp: 49813
Ion Ratio Lower Upper
43 100
57 5.8 6.1 9.1#
72 23.3 20.2 30.4





#31
2,2-Dichloropropane
Concen: 3.265 ug/l m
RT: 7.489 min Scan# 947
Delta R.T. -0.018 min
Lab File: VN077201.D
Acq: 27 Mar 2023 14:01

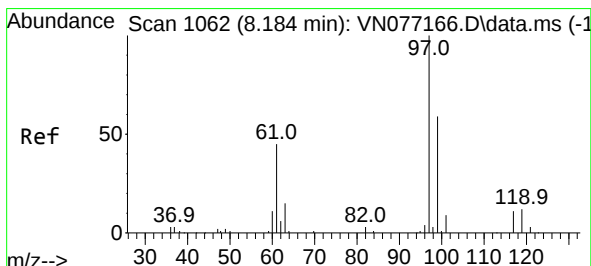
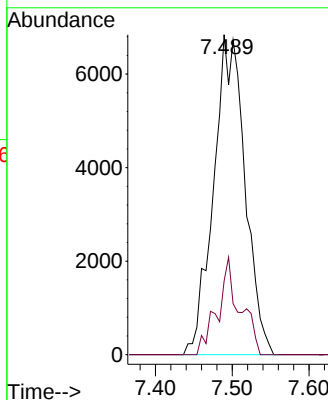
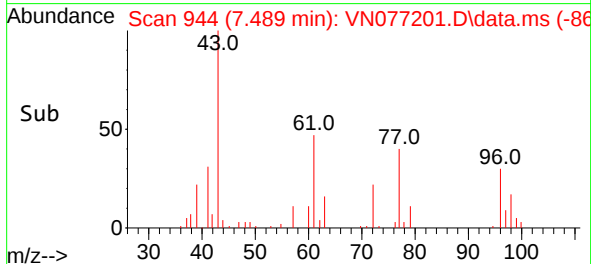
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT1-2023



Tgt Ion: 77 Resp: 19458
Ion Ratio Lower Upper
77 100
97 6.7 7.2 10.8

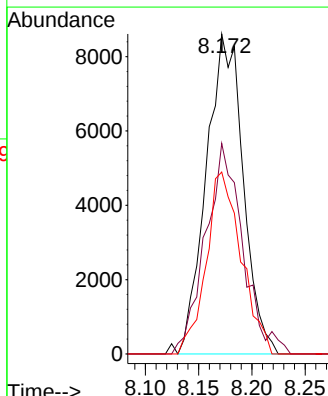
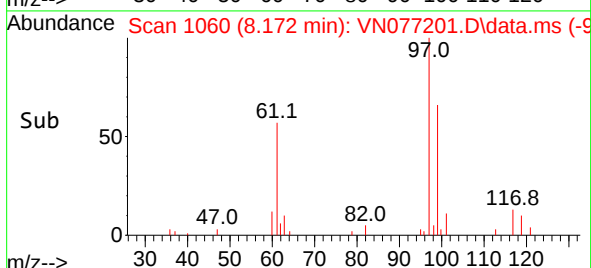
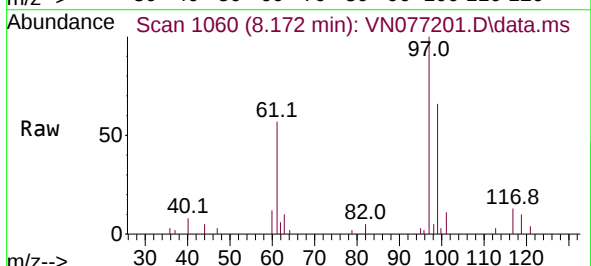
Manual Integrations
APPROVED

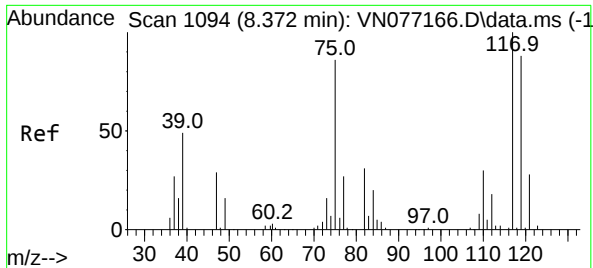
Reviewed By :John Carlone 03/28/2023
Supervised By :Semsettin Yesilyurt 03/28/2023



#32
1,1,1-Trichloroethane
Concen: 2.700 ug/l
RT: 8.172 min Scan# 1060
Delta R.T. -0.012 min
Lab File: VN077201.D
Acq: 27 Mar 2023 14:01

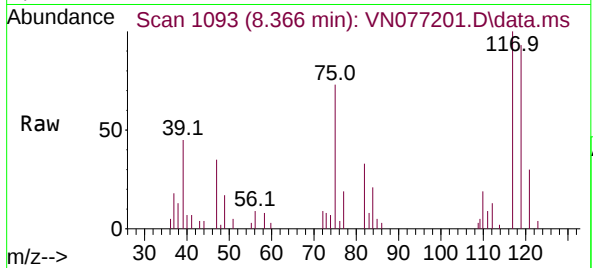
Tgt Ion: 97 Resp: 20714
Ion Ratio Lower Upper
97 100
99 64.1 51.8 77.8
61 54.1 39.3 58.9





#33
Carbon Tetrachloride
Concen: 2.821 ug/l
RT: 8.366 min Scan# 1109
Delta R.T. -0.006 min
Lab File: VN077201.D
Acq: 27 Mar 2023 14:01

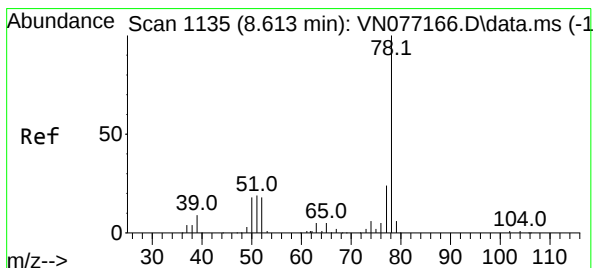
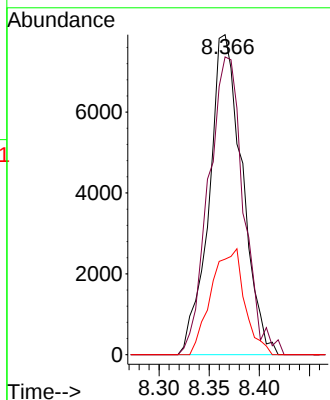
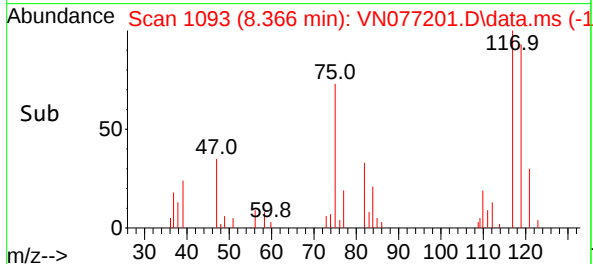
Instrument : MSVOA_N
ClientSampleId : MDL-WATER-03-QT1-2023



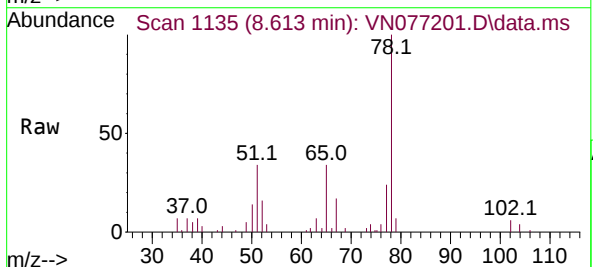
Tgt Ion: 117 Resp: 18179
Ion Ratio Lower Upper
117 100
119 93.1 79.8 119.8
121 29.9 23.4 35.0

Manual Integrations
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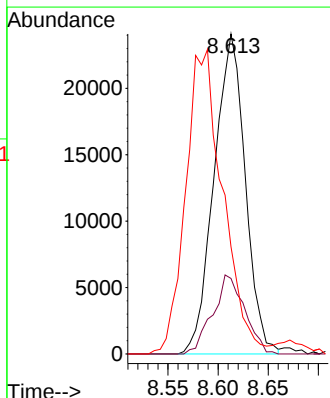
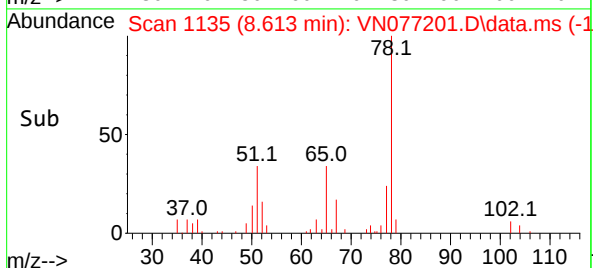
Reviewed By :John Carlone 03/28/2023
Supervised By :Semsettin Yesilyurt 03/28/2023

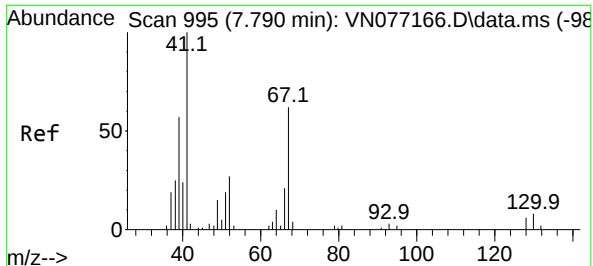


#34
Benzene
Concen: 2.677 ug/l
RT: 8.613 min Scan# 1135
Delta R.T. -0.000 min
Lab File: VN077201.D
Acq: 27 Mar 2023 14:01



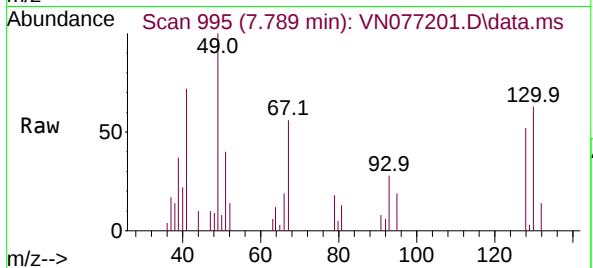
Tgt Ion: 78 Resp: 52217
Ion Ratio Lower Upper
78 100
77 23.6 17.4 26.2
51 30.2 13.8 20.6





#35
Methacrylonitrile
Concen: 2.584 ug/l
RT: 7.789 min Scan# 995
Delta R.T. -0.001 min
Lab File: VN077201.D
Acq: 27 Mar 2023 14:01

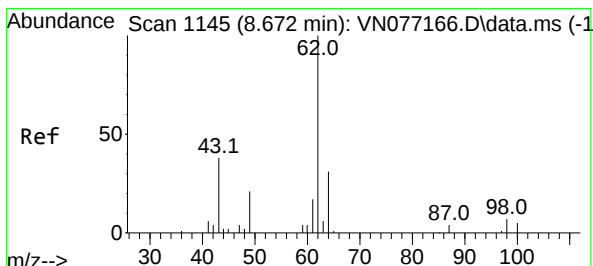
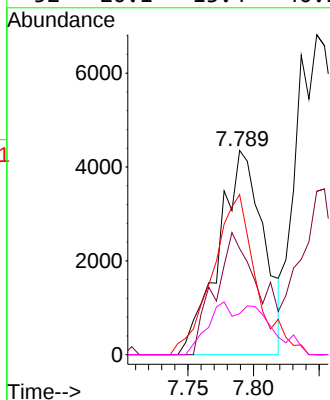
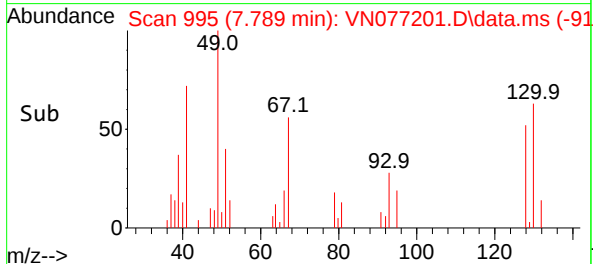
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT1-2023



Tgt Ion: 41 Resp: 1041
Ion Ratio Lower Upper
41 100
39 51.9 26.6 79.7
67 72.9 32.3 96.9
52 20.1 13.4 40.1

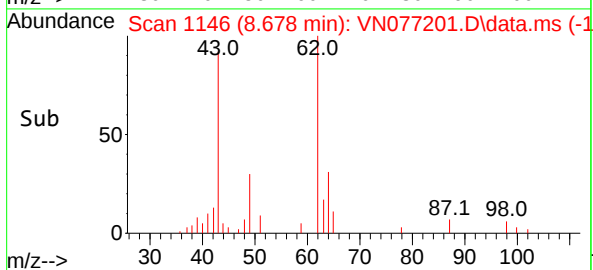
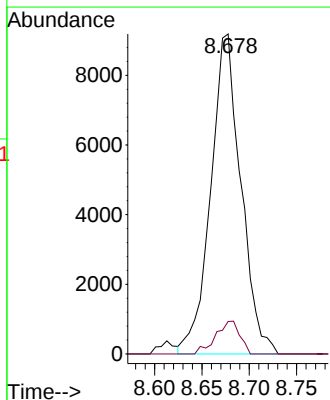
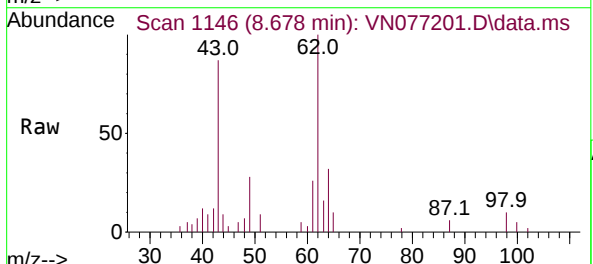
Manual Integrations
APPROVED

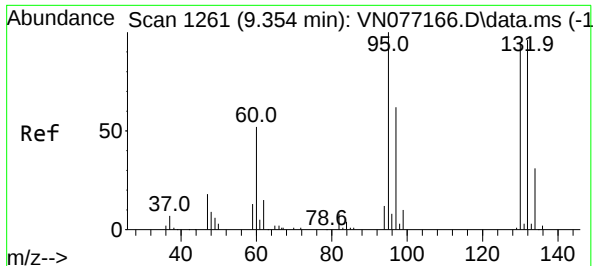
Reviewed By :John Carlone 03/28/2023
Supervised By :Semsettin Yesilyurt 03/28/2023



#36
1,2-Dichloroethane
Concen: 2.833 ug/l
RT: 8.678 min Scan# 1146
Delta R.T. 0.006 min
Lab File: VN077201.D
Acq: 27 Mar 2023 14:01

Tgt Ion: 62 Resp: 20372
Ion Ratio Lower Upper
62 100
98 7.5 7.4 11.0





#37

Trichloroethene

Concen: 2.761 ug/l

RT: 9.354 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN077201.D

Acq: 27 Mar 2023 14:01

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT1-2023

Tgt Ion:130 Resp: 1217

Ion Ratio Lower Upper

130 100

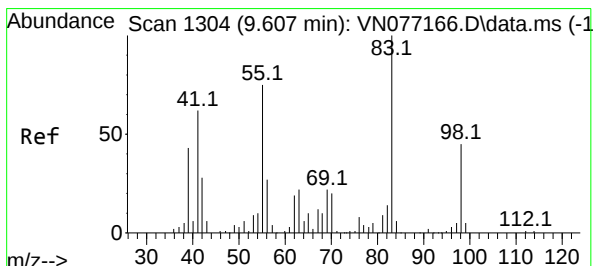
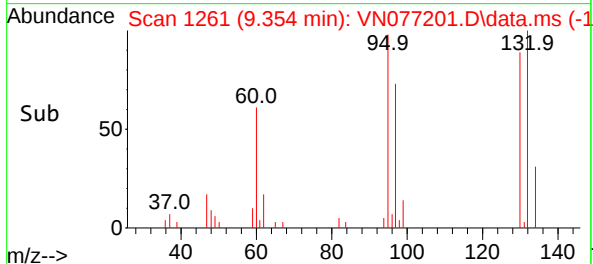
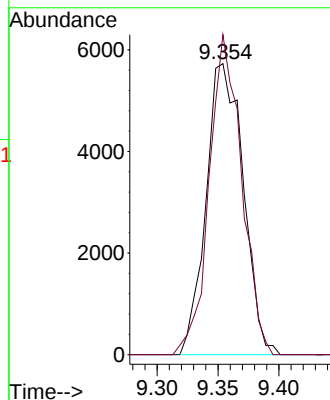
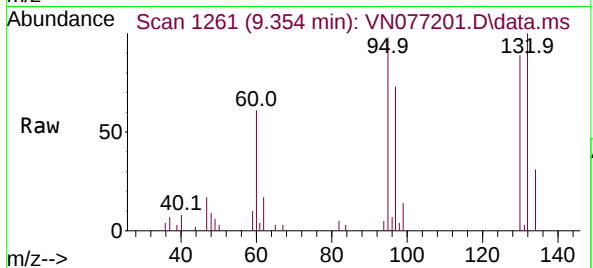
95 109.9 78.7 118.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/28/2023

Supervised By :Semsettin Yesilyurt 03/28/2023



#38

Methylcyclohexane

Concen: 2.460 ug/l

RT: 9.601 min Scan# 1303

Delta R.T. -0.006 min

Lab File: VN077201.D

Acq: 27 Mar 2023 14:01

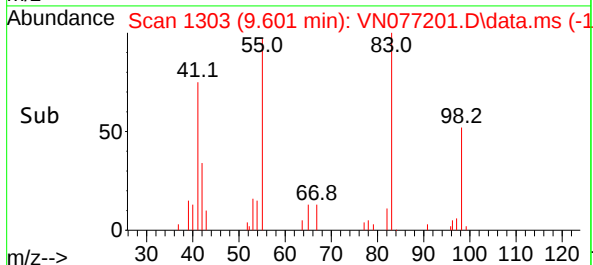
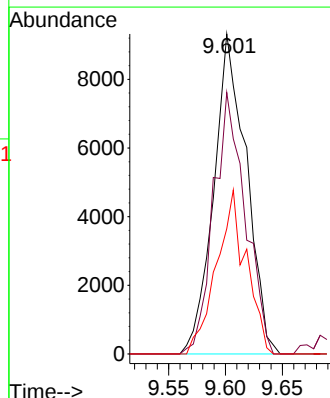
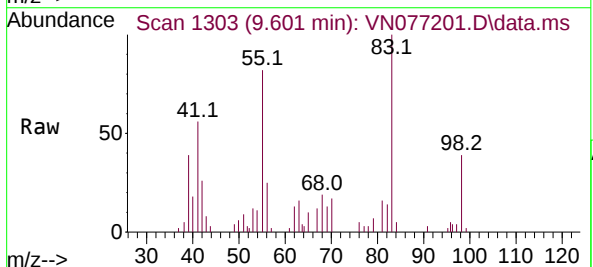
Tgt Ion: 83 Resp: 18630

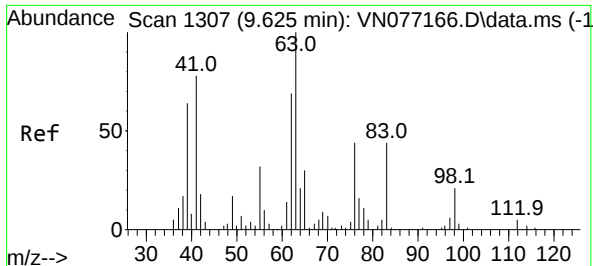
Ion Ratio Lower Upper

83 100

55 79.6 37.6 112.9

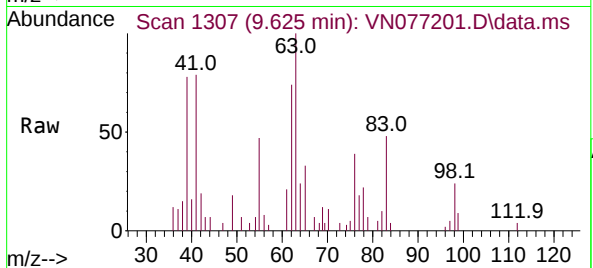
98 46.9 24.1 72.4





#39
1,2-Dichloropropane
Concen: 2.633 ug/l
RT: 9.625 min Scan# 1307
Delta R.T. -0.000 min
Lab File: VN077201.D
Acq: 27 Mar 2023 14:01

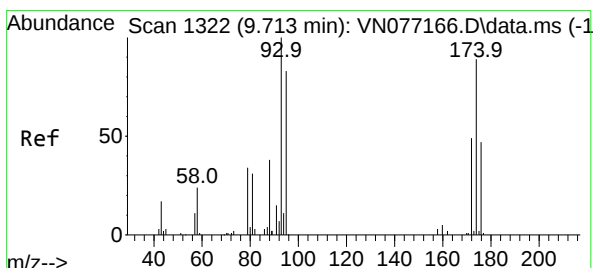
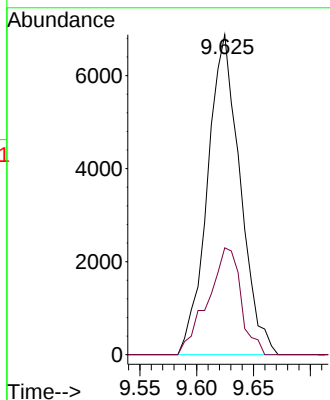
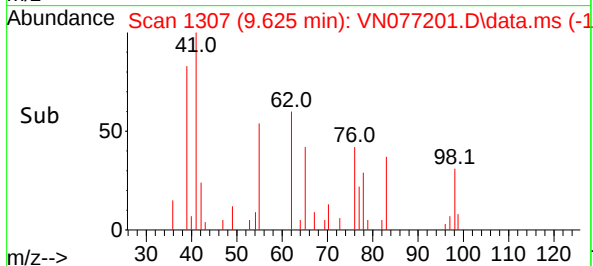
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT1-2023



Tgt Ion: 63 Resp: 13740
Ion Ratio Lower Upper
63 100
65 33.4 27.2 40.8

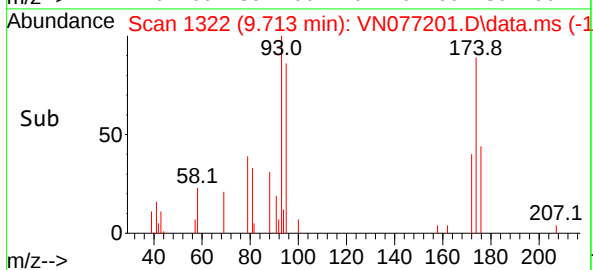
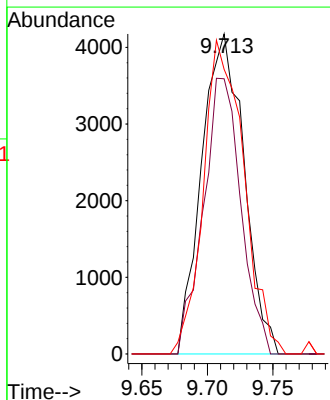
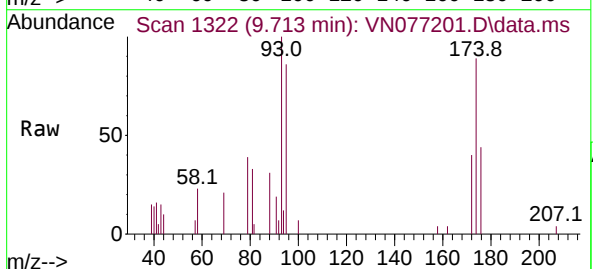
Manual Integrations
APPROVED

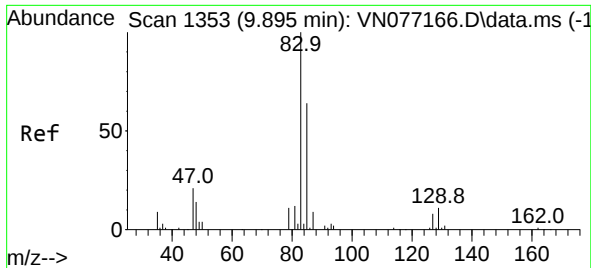
Reviewed By :John Carlone 03/28/2023
Supervised By :Semsettin Yesilyurt 03/28/2023



#40
Dibromomethane
Concen: 2.805 ug/l
RT: 9.713 min Scan# 1322
Delta R.T. -0.000 min
Lab File: VN077201.D
Acq: 27 Mar 2023 14:01

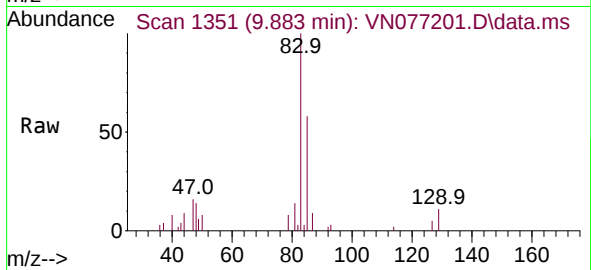
Tgt Ion: 93 Resp: 9365
Ion Ratio Lower Upper
93 100
95 76.5 0.0 158.0
174 93.5 0.0 171.2





#41
Bromodichloromethane
Concen: 2.626 ug/l
RT: 9.883 min Scan# 11
Delta R.T. -0.012 min
Lab File: VN077201.D
Acq: 27 Mar 2023 14:01

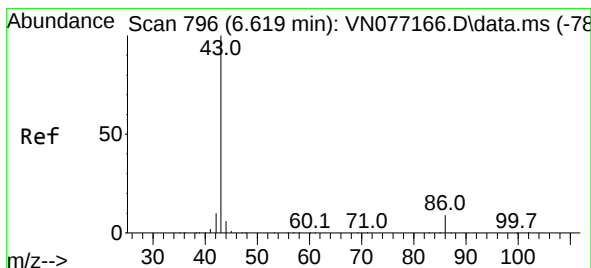
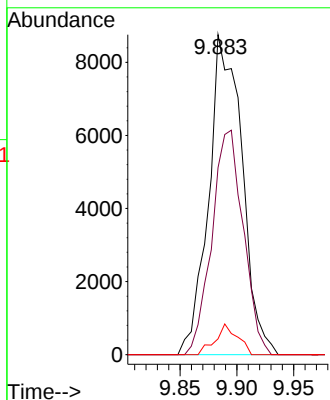
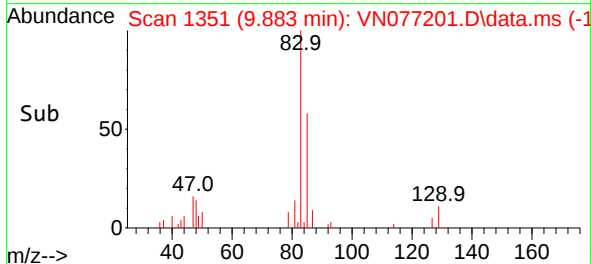
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT1-2023



Tgt Ion: 83 Resp: 1785
Ion Ratio Lower Upper
83 100
85 58.4 51.0 76.4
127 5.0 6.2 9.2

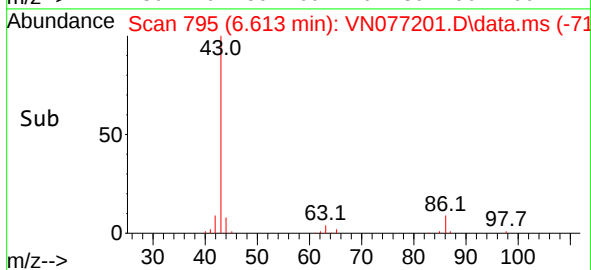
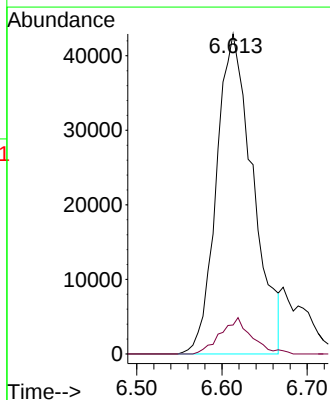
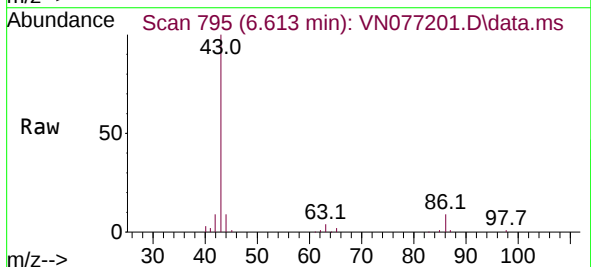
Manual Integrations
APPROVED

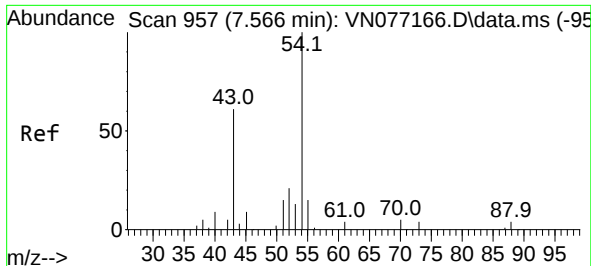
Reviewed By :John Carlone 03/28/2023
Supervised By :Semsettin Yesilyurt 03/28/2023



#42
Vinyl Acetate
Concen: 11.635 ug/l
RT: 6.613 min Scan# 795
Delta R.T. -0.006 min
Lab File: VN077201.D
Acq: 27 Mar 2023 14:01

Tgt Ion: 43 Resp: 128011
Ion Ratio Lower Upper
43 100
86 9.3 7.8 11.6





#43

Ethyl Acetate

Concen: 2.309 ug/l

RT: 7.572 min Scan# 91

Delta R.T. 0.006 min

Lab File: VN077201.D

Acq: 27 Mar 2023 14:01

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT1-2023

Tgt Ion: 43 Resp: 1693

Ion Ratio Lower Upper

43 100

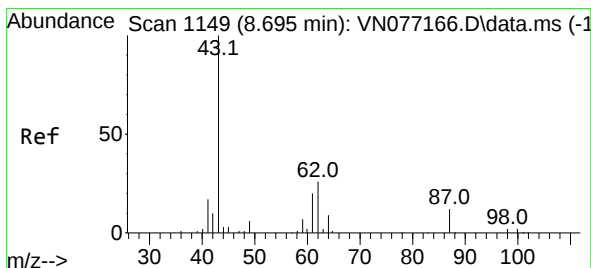
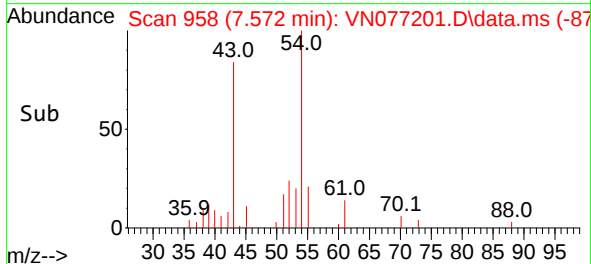
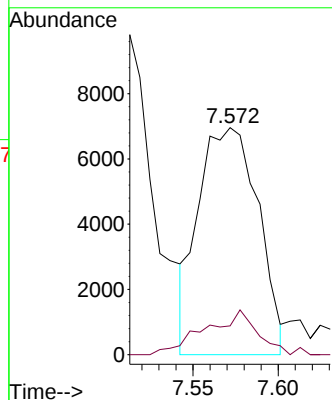
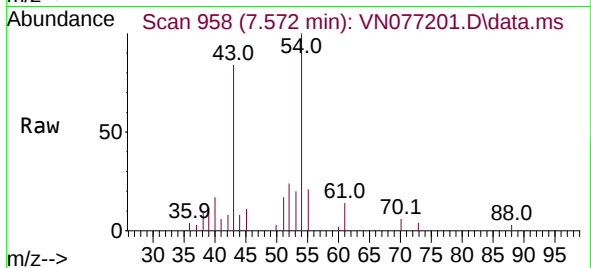
45 9.2 11.2 16.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/28/2023

Supervised By :Semsettin Yesilyurt 03/28/2023



#44

Isopropyl Acetate

Concen: 2.500 ug/l

RT: 8.695 min Scan# 1149

Delta R.T. 0.000 min

Lab File: VN077201.D

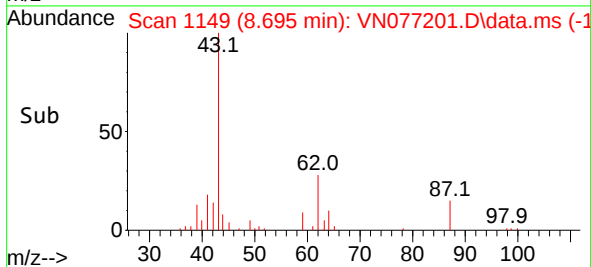
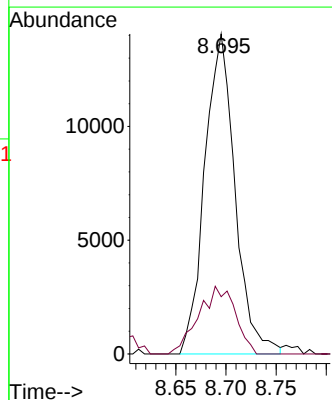
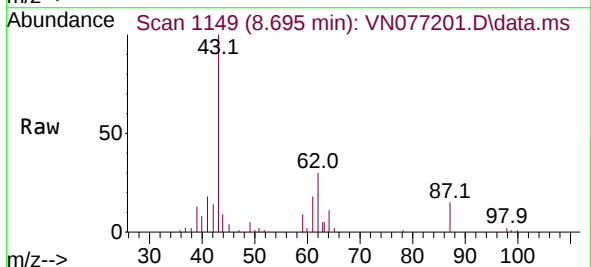
Acq: 27 Mar 2023 14:01

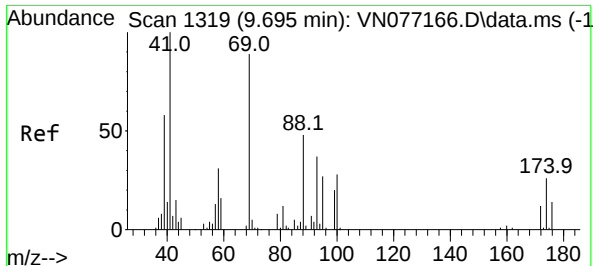
Tgt Ion: 43 Resp: 29584

Ion Ratio Lower Upper

43 100

61 25.5 19.5 29.3





#45

1,4-Dioxane

Concen: 47.152 ug/l

RT: 9.695 min Scan# 1319

Delta R.T. 0.000 min

Lab File: VN077201.D

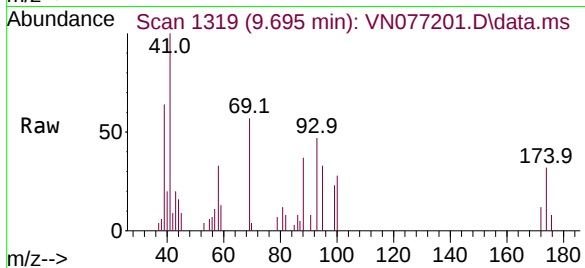
Acq: 27 Mar 2023 14:01

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT1-2023



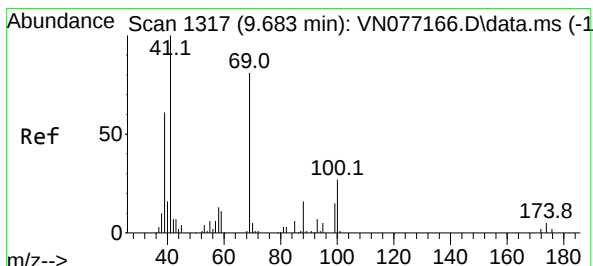
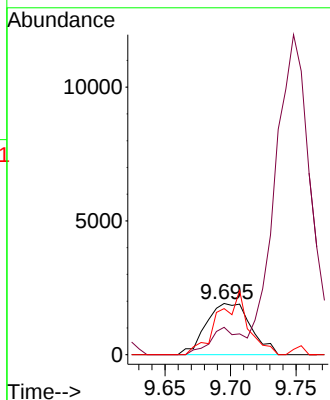
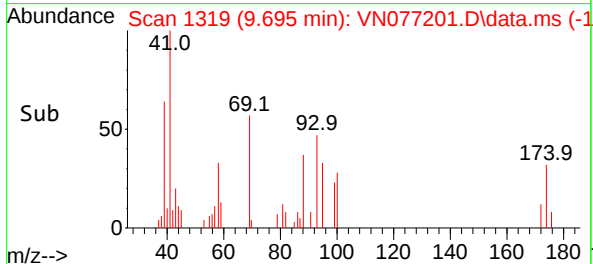
Tgt Ion:	88	Resp:	453
Ion Ratio	Lower	Upper	
88	100		
43	37.7	26.0	39.0
58	37.3	54.3	81.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/28/2023

Supervised By :Semsettin Yesilyurt 03/28/2023



#46

Methyl methacrylate

Concen: 2.383 ug/l

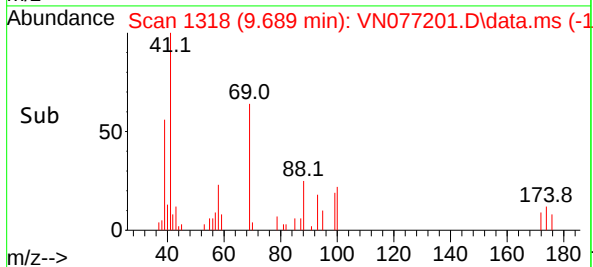
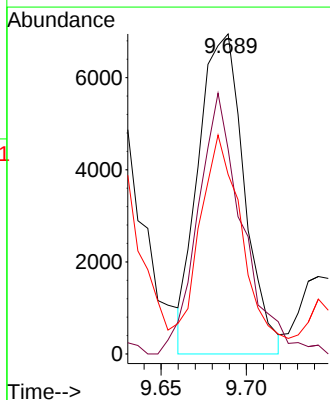
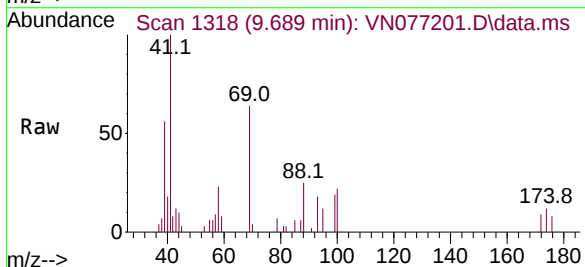
RT: 9.689 min Scan# 1318

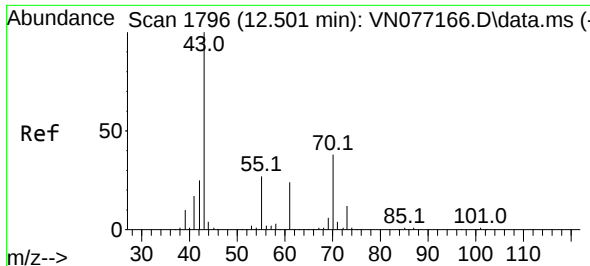
Delta R.T. 0.006 min

Lab File: VN077201.D

Acq: 27 Mar 2023 14:01

Tgt Ion:	41	Resp:	13004
Ion Ratio	Lower	Upper	
41	100		
69	57.5	40.6	121.7
39	53.1	30.5	91.5





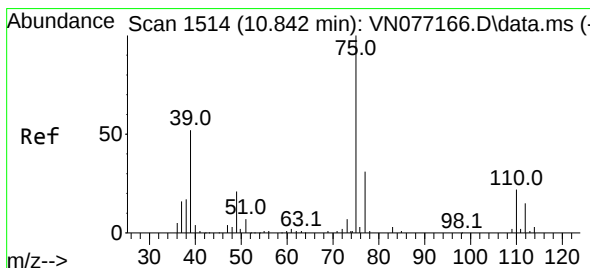
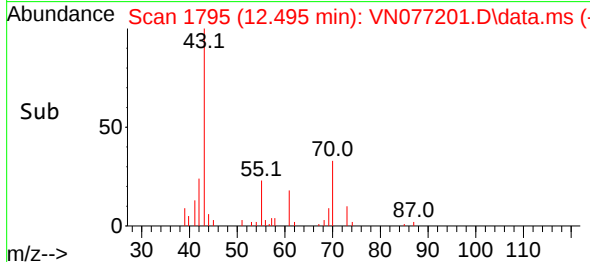
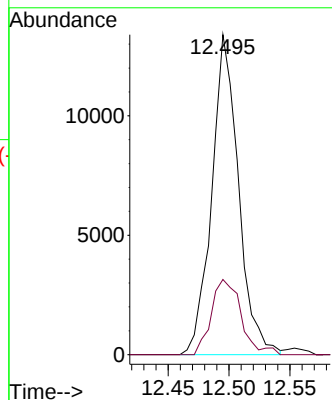
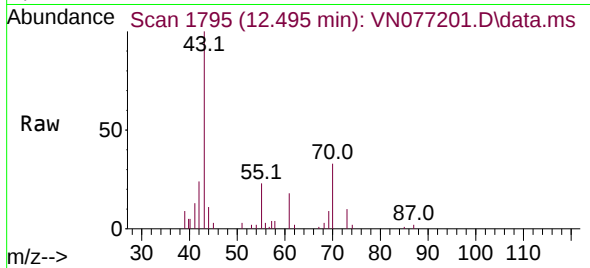
#47
n-amy1 Acetate
Concen: 2.059 ug/l
RT: 12.495 min Scan# 1795
Delta R.T. -0.006 min
Lab File: VN077201.D
Acq: 27 Mar 2023 14:01

Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT1-2023

Tgt Ion: 43 Resp: 2050
Ion Ratio Lower Upper
43 100
55 25.1 18.3 27.5

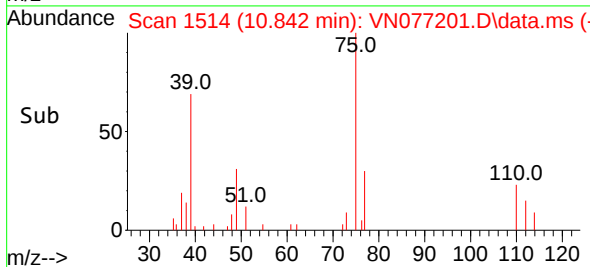
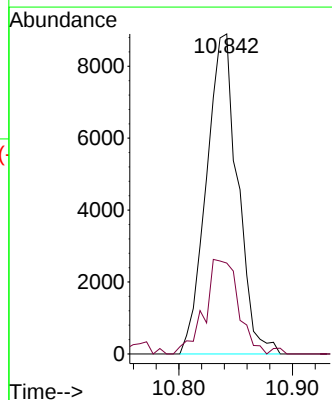
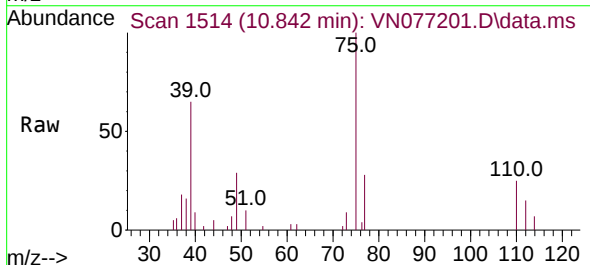
Manual Integrations
APPROVED

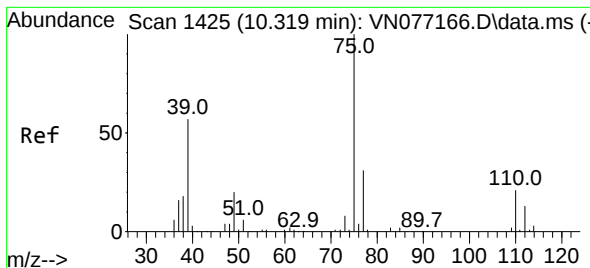
Reviewed By :John Carlone 03/28/2023
Supervised By :Semsettin Yesilyurt 03/28/2023



#48
t-1,3-Dichloropropene
Concen: 2.470 ug/l
RT: 10.842 min Scan# 1514
Delta R.T. 0.000 min
Lab File: VN077201.D
Acq: 27 Mar 2023 14:01

Tgt Ion: 75 Resp: 17056
Ion Ratio Lower Upper
75 100
77 26.6 25.4 38.2





#49

cis-1,3-Dichloropropene

Concen: 2.420 ug/l

RT: 10.319 min Scan# 1425

Delta R.T. -0.000 min

Lab File: VN077201.D

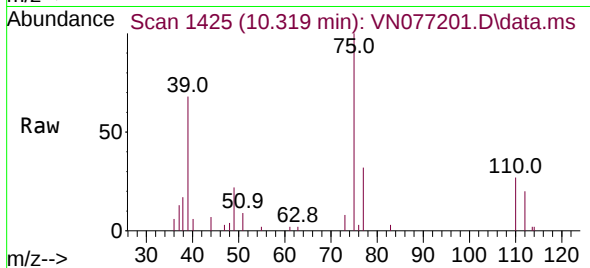
Acq: 27 Mar 2023 14:01

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT1-2023



Tgt Ion: 75 Resp: 1829

Ion Ratio Lower Upper

75 100

77 31.9 27.5 41.3

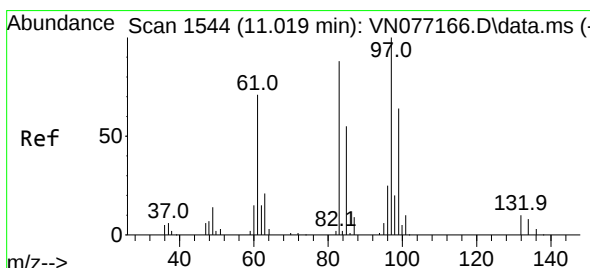
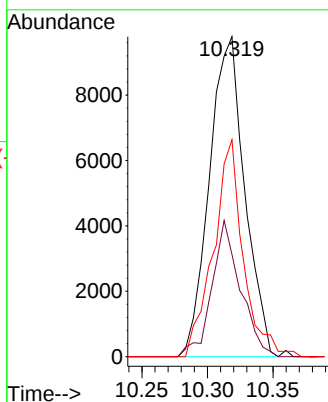
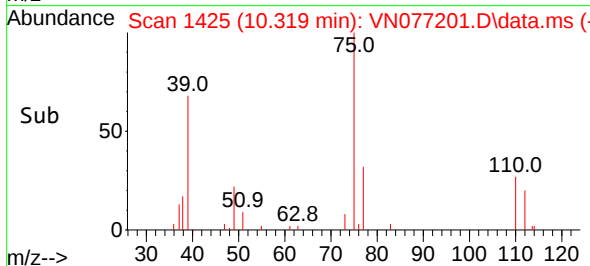
39 67.8 43.5 65.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/28/2023

Supervised By :Semsettin Yesilyurt 03/28/2023



#50

1,1,2-Trichloroethane

Concen: 2.726 ug/l

RT: 11.013 min Scan# 1543

Delta R.T. -0.006 min

Lab File: VN077201.D

Acq: 27 Mar 2023 14:01

Tgt Ion: 97 Resp: 12777

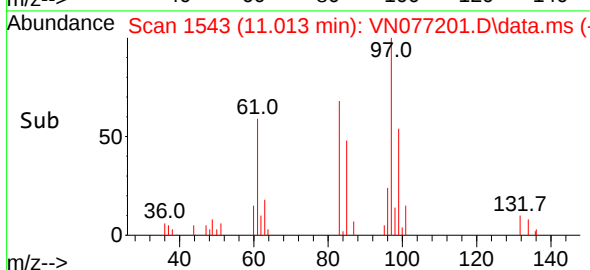
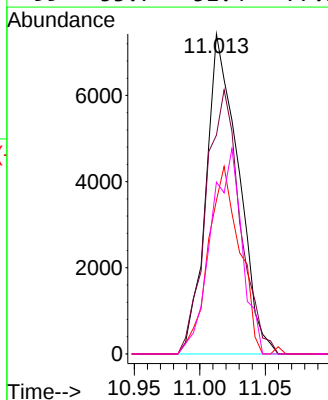
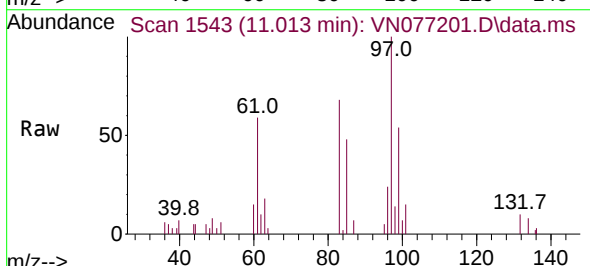
Ion Ratio Lower Upper

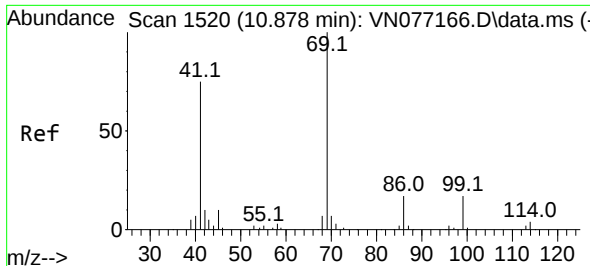
97 100

83 68.4 71.0 106.4

85 48.0 45.5 68.3

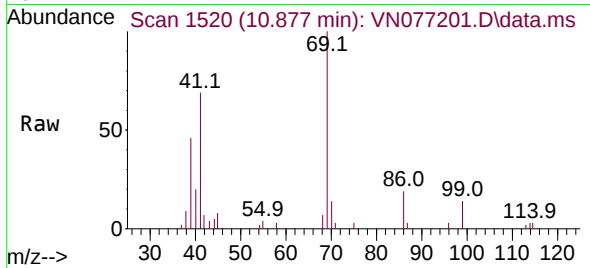
99 53.7 51.4 77.2





#51
Ethyl methacrylate
Concen: 2.167 ug/l
RT: 10.877 min Scan# 1568
Delta R.T. -0.001 min
Lab File: VN077201.D
Acq: 27 Mar 2023 14:01

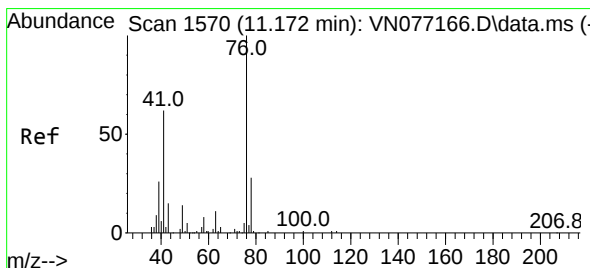
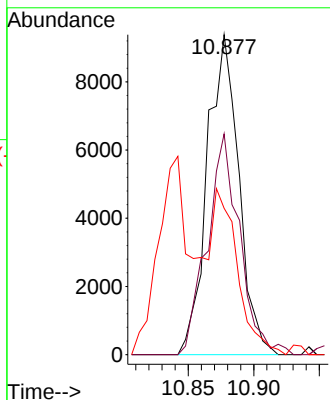
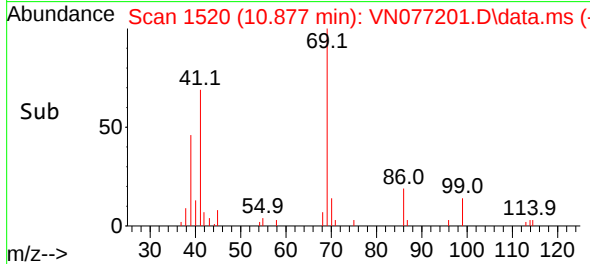
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT1-2023



Tgt Ion: 69 Resp: 15684
Ion Ratio Lower Upper
69 100
41 69.0 36.3 108.7
39 44.1 19.9 59.7

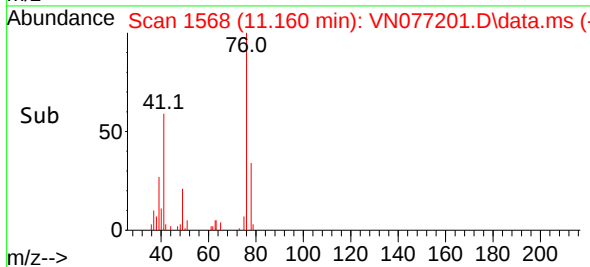
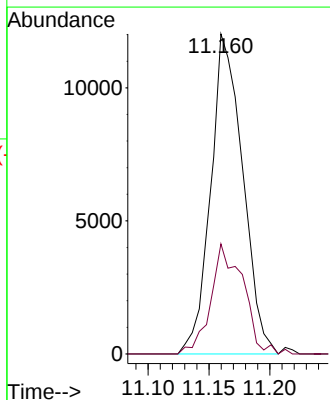
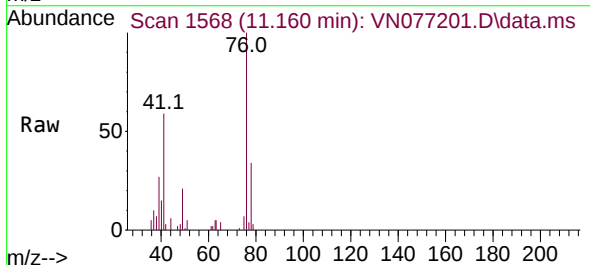
Manual Integrations
APPROVED

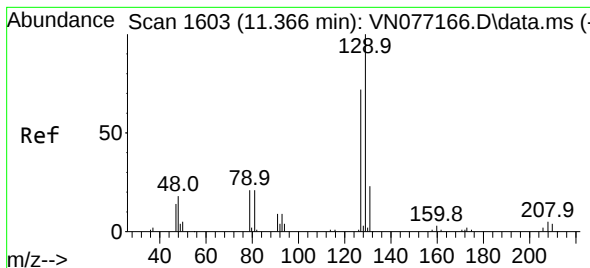
Reviewed By :John Carlone 03/28/2023
Supervised By :Semsettin Yesilyurt 03/28/2023



#52
1,3-Dichloropropane
Concen: 2.641 ug/l
RT: 11.160 min Scan# 1568
Delta R.T. -0.012 min
Lab File: VN077201.D
Acq: 27 Mar 2023 14:01

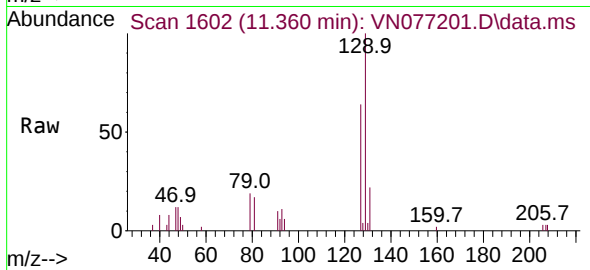
Tgt Ion: 76 Resp: 21975
Ion Ratio Lower Upper
76 100
78 19.9 0.0 65.4





#53
Dibromochloromethane
Concen: 2.491 ug/l
RT: 11.360 min Scan# 1603
Delta R.T. -0.006 min
Lab File: VN077201.D
Acq: 27 Mar 2023 14:01

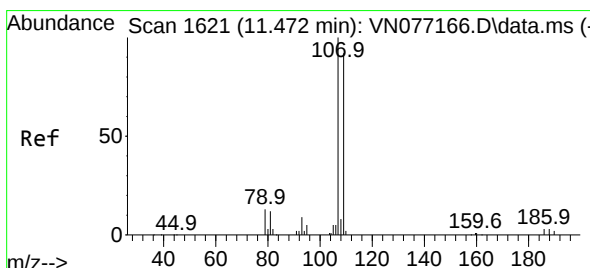
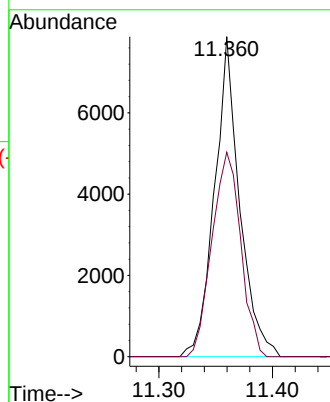
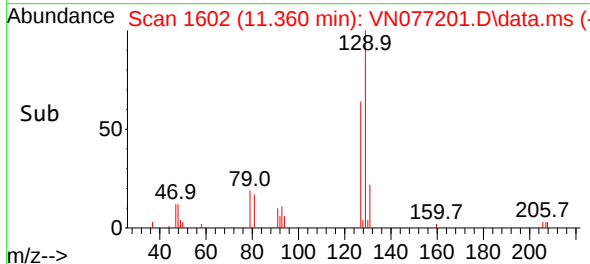
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT1-2023



Tgt Ion:129 Resp: 12086
Ion Ratio Lower Upper
129 100
127 73.4 39.4 118.1

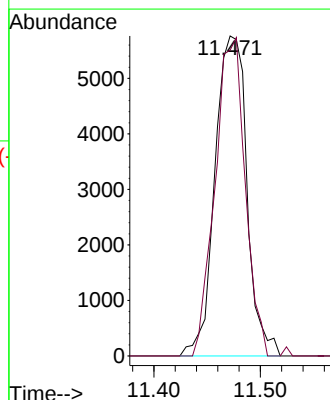
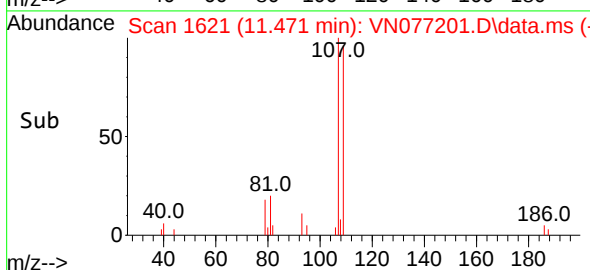
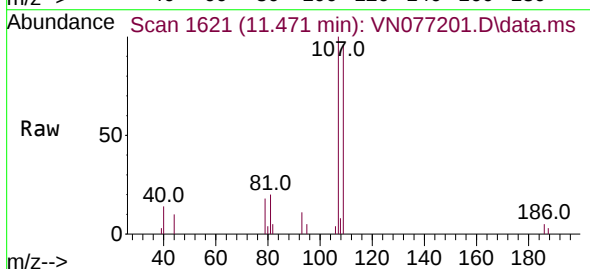
Manual Integrations
APPROVED

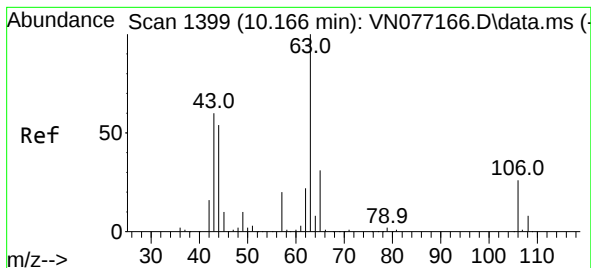
Reviewed By :John Carlone 03/28/2023
Supervised By :Semsettin Yesilyurt 03/28/2023



#54
1,2-Dibromoethane
Concen: 2.604 ug/l
RT: 11.471 min Scan# 1621
Delta R.T. -0.001 min
Lab File: VN077201.D
Acq: 27 Mar 2023 14:01

Tgt Ion:107 Resp: 12012
Ion Ratio Lower Upper
107 100
109 93.7 74.6 112.0





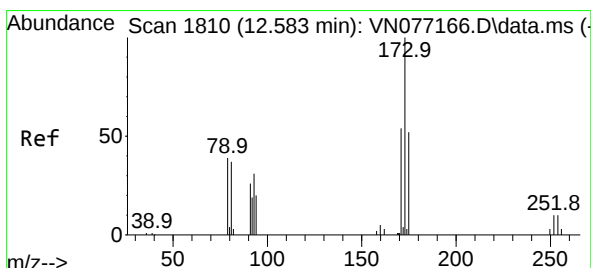
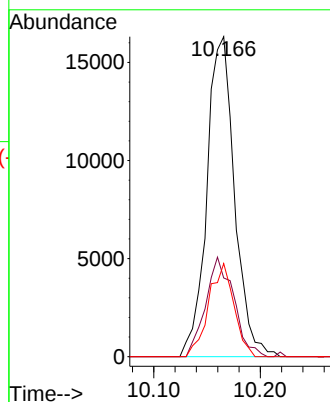
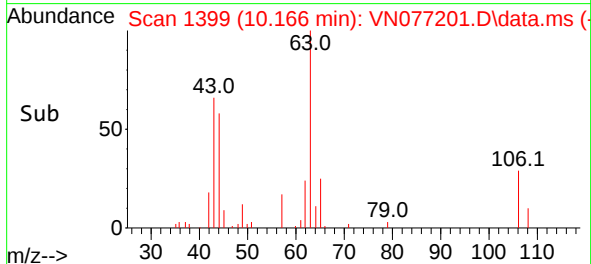
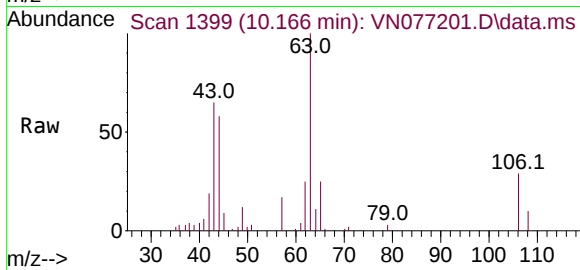
#55
2-Chloroethyl vinyl ether
Concen: 9.742 ug/l
RT: 10.166 min Scan# 1399
Delta R.T. -0.000 min
Lab File: VN077201.D
Acq: 27 Mar 2023 14:01

Instrument : MSVOA_N
ClientSampleId : MDL-WATER-03-QT1-2023

Tgt Ion: 63 Resp: 2947
Ion Ratio Lower Upper
63 100
65 31.6 26.3 39.5
106 26.6 21.6 32.4

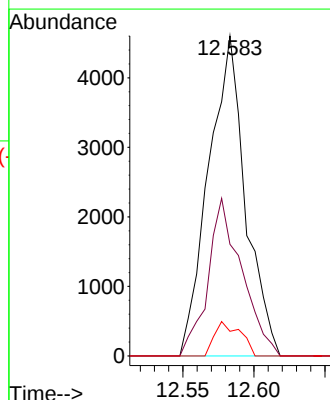
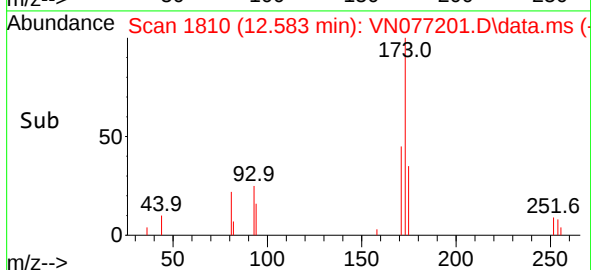
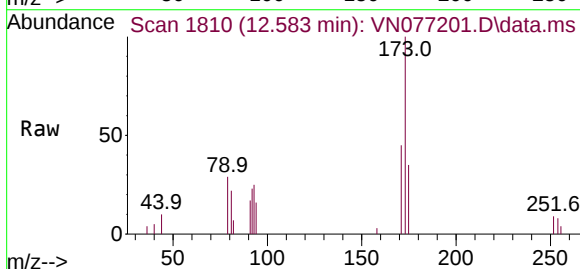
Manual Integrations
APPROVED

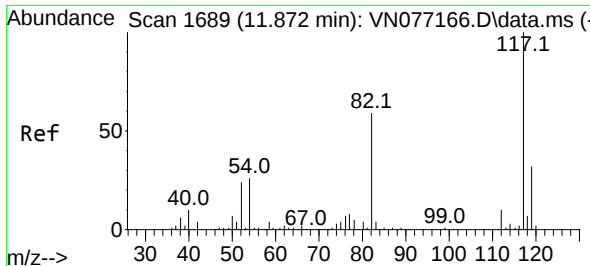
Reviewed By :John Carlone 03/28/2023
Supervised By :Semsettin Yesilyurt 03/28/2023



#56
Bromoform
Concen: 2.436 ug/l
RT: 12.583 min Scan# 1810
Delta R.T. 0.000 min
Lab File: VN077201.D
Acq: 27 Mar 2023 14:01

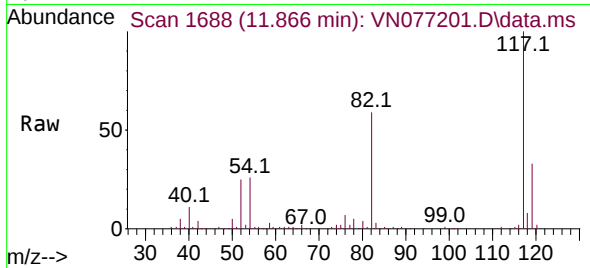
Tgt Ion:173 Resp: 8296
Ion Ratio Lower Upper
173 100
175 45.2 37.8 56.6
254 7.5 7.3 10.9





#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.866 min Scan# 117
Delta R.T. -0.006 min
Lab File: VN077201.D
Acq: 27 Mar 2023 14:01

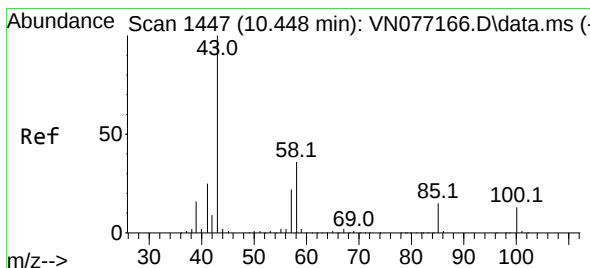
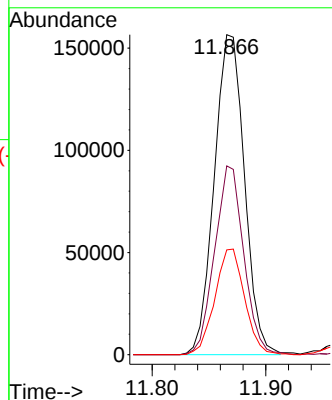
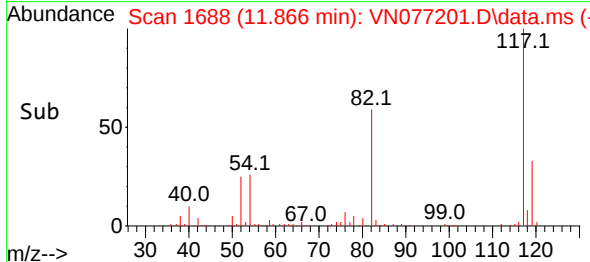
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT1-2023



Tgt Ion:117 Resp: 28955
Ion Ratio Lower Upper
117 100
82 56.9 45.4 68.0
119 32.5 26.8 40.2

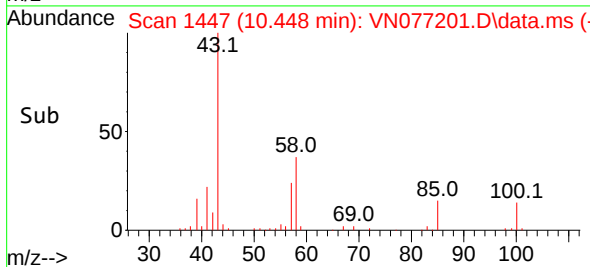
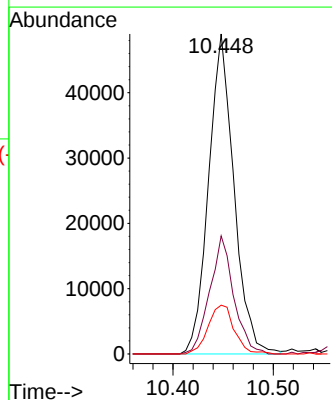
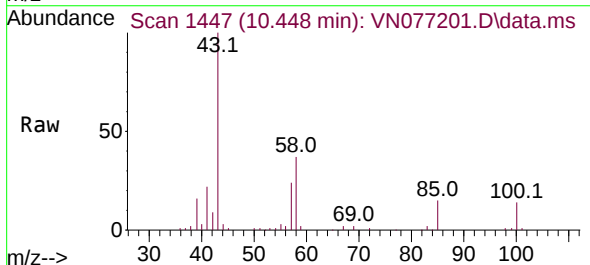
Manual Integrations
APPROVED

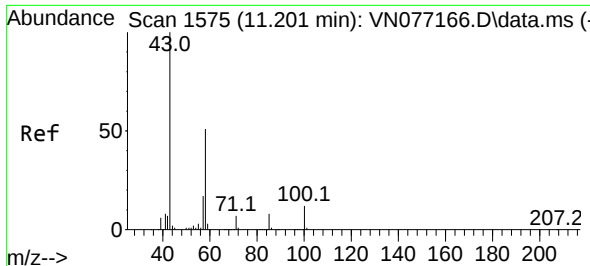
Reviewed By :John Carlone 03/28/2023
Supervised By :Semsettin Yesilyurt 03/28/2023



#58
4-Methyl-2-Pentanone
Concen: 11.509 ug/l
RT: 10.448 min Scan# 1447
Delta R.T. 0.000 min
Lab File: VN077201.D
Acq: 27 Mar 2023 14:01

Tgt Ion: 43 Resp: 86006
Ion Ratio Lower Upper
43 100
58 34.9 28.6 42.8
85 15.5 11.8 17.8





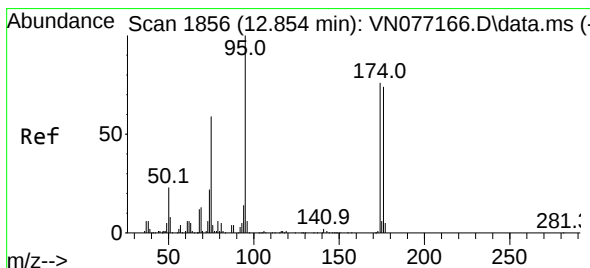
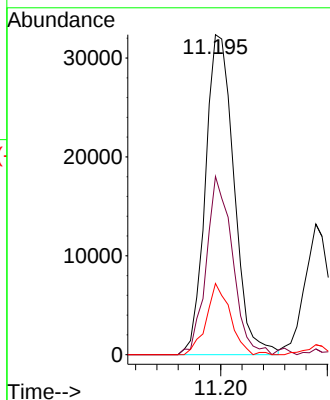
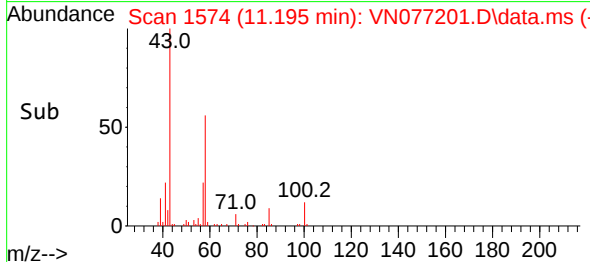
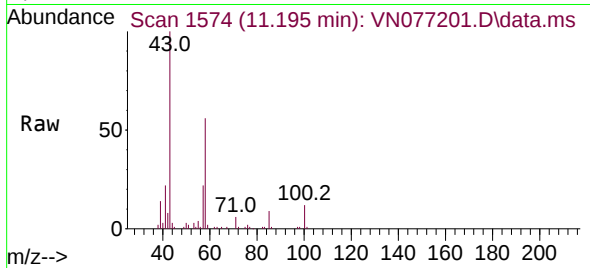
#59
2-Hexanone
Concen: 11.070 ug/l
RT: 11.195 min Scan# 1574
Delta R.T. -0.006 min
Lab File: VN077201.D
Acq: 27 Mar 2023 14:01

Instrument : MSVOA_N
ClientSampleId : MDL-WATER-03-QT1-2023

Tgt Ion: 43 Resp: 6032
Ion Ratio Lower Upper
43 100
58 50.6 40.6 60.8
57 18.5 13.1 19.7

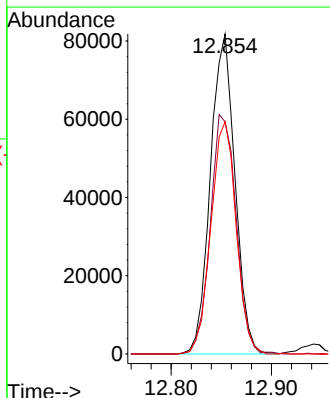
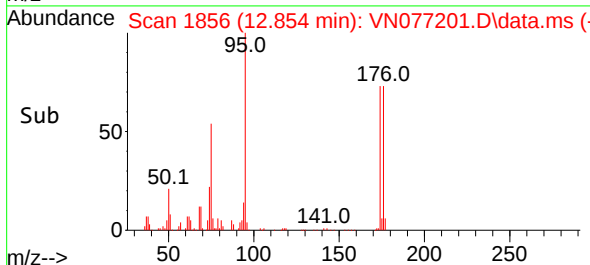
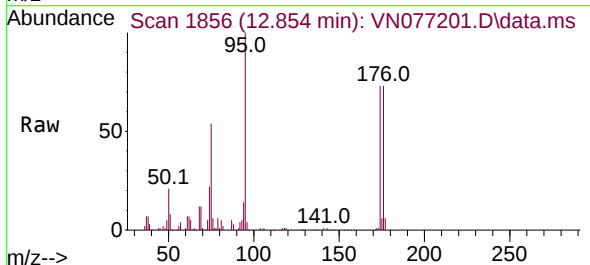
Manual Integrations
APPROVED

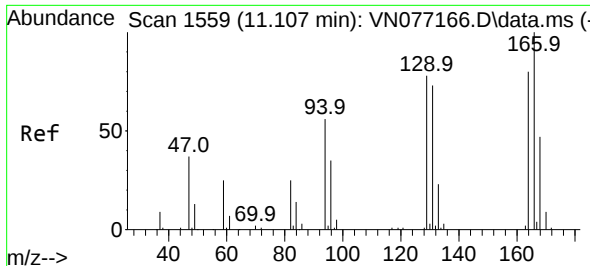
Reviewed By :John Carlone 03/28/2023
Supervised By :Semsettin Yesilyurt 03/28/2023



#60
4-Bromofluorobenzene
Concen: 26.769 ug/l
RT: 12.854 min Scan# 1856
Delta R.T. -0.000 min
Lab File: VN077201.D
Acq: 27 Mar 2023 14:01

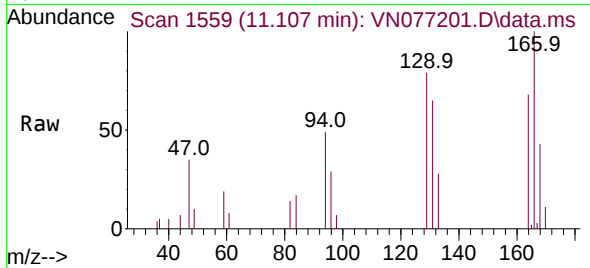
Tgt Ion: 95 Resp: 139246
Ion Ratio Lower Upper
95 100
174 77.8 64.2 96.4
176 74.6 61.4 92.0





#61
Tetrachloroethene
Concen: 2.826 ug/l
RT: 11.107 min Scan# 1559
Delta R.T. -0.000 min
Lab File: VN077201.D
Acq: 27 Mar 2023 14:01

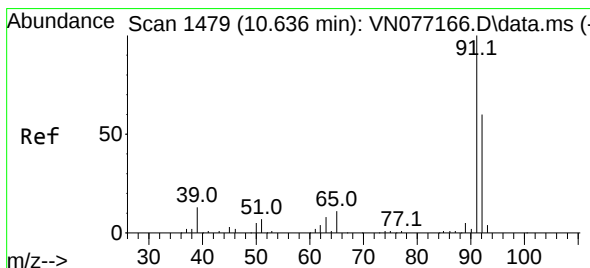
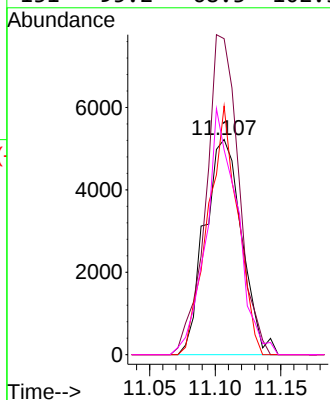
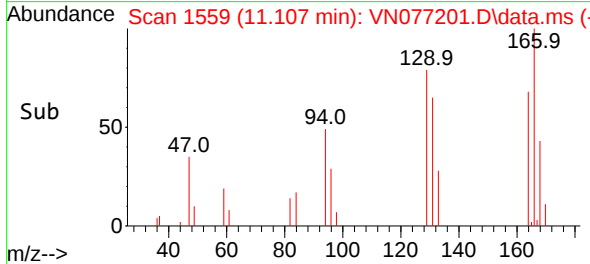
Instrument : MSVOA_N
ClientSampleId : MDL-WATER-03-QT1-2023



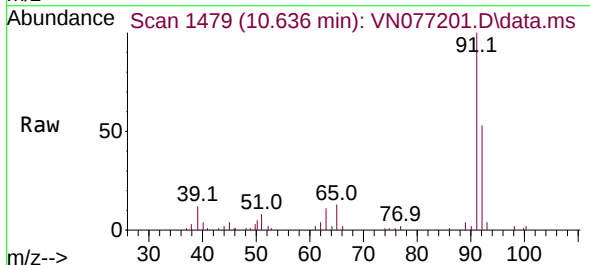
Tgt Ion:164 Resp: 1027
Ion Ratio Lower Upper
164 100
166 146.9 96.2 144.2
129 115.6 78.2 117.4
131 95.2 68.3 102.5

Manual Integrations
APPROVED

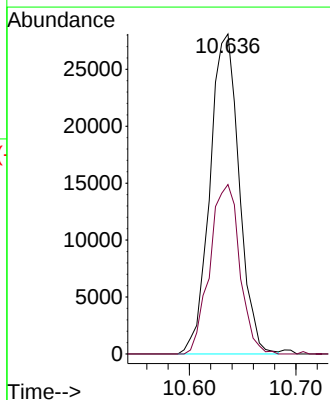
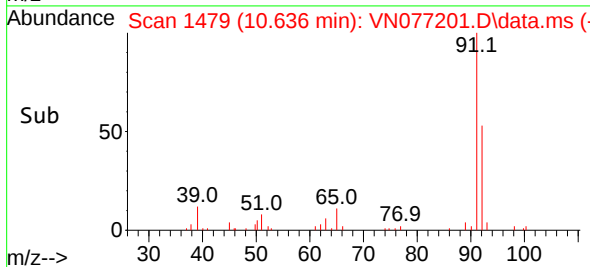
Reviewed By :John Carlone 03/28/2023
Supervised By :Semsettin Yesilyurt 03/28/2023

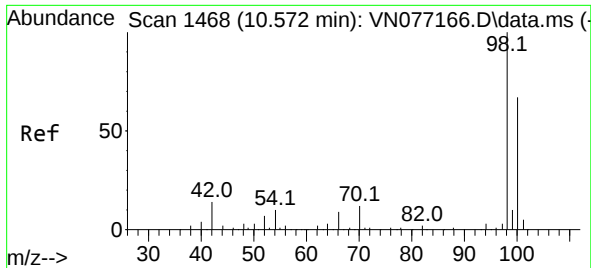


#62
Toluene
Concen: 2.632 ug/l
RT: 10.636 min Scan# 1479
Delta R.T. 0.000 min
Lab File: VN077201.D
Acq: 27 Mar 2023 14:01



Tgt Ion: 91 Resp: 53557
Ion Ratio Lower Upper
91 100
92 54.1 46.3 69.5





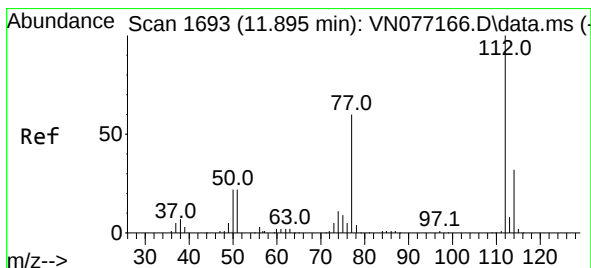
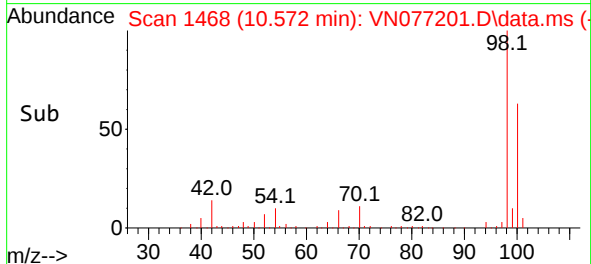
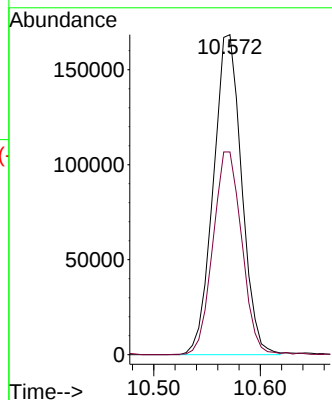
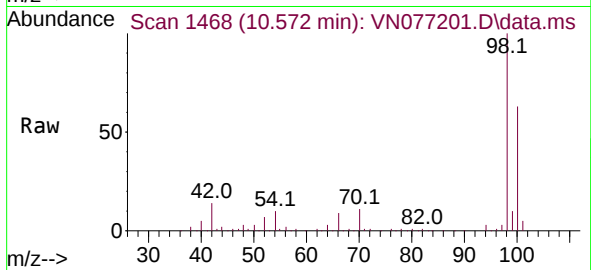
#63
Toluene-d8
Concen: 30.077 ug/l
RT: 10.572 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VN077201.D
Acq: 27 Mar 2023 14:01

Instrument : MSVOA_N
ClientSampleId : MDL-WATER-03-QT1-2023

Tgt Ion: 98 Resp: 310880
Ion Ratio Lower Upper
98 100
100 64.2 53.8 80.6

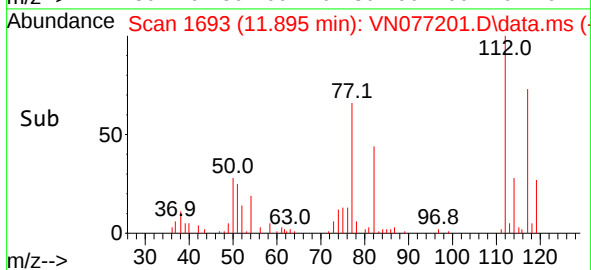
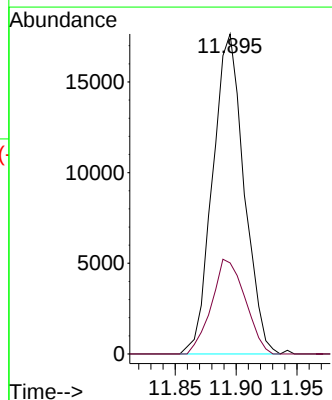
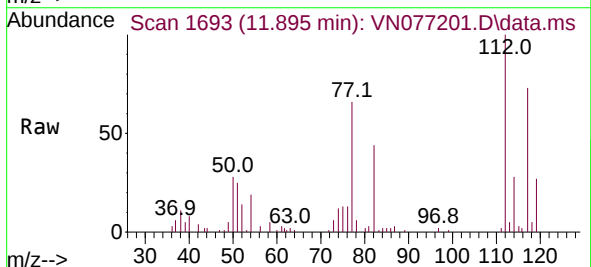
Manual Integrations
APPROVED

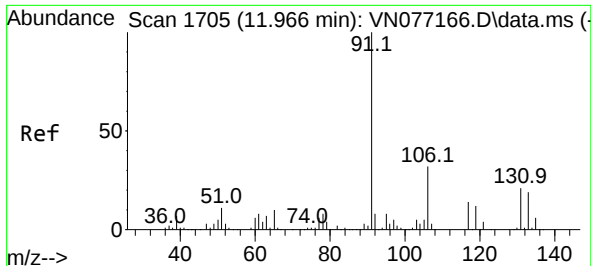
Reviewed By :John Carlone 03/28/2023
Supervised By :Semsettin Yesilyurt 03/28/2023



#64
Chlorobenzene
Concen: 2.629 ug/l
RT: 11.895 min Scan# 1693
Delta R.T. -0.000 min
Lab File: VN077201.D
Acq: 27 Mar 2023 14:01

Tgt Ion:112 Resp: 31656
Ion Ratio Lower Upper
112 100
114 28.5 24.5 36.7





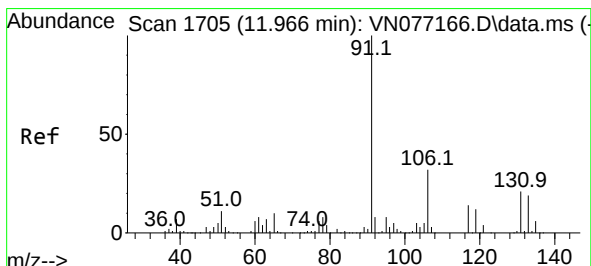
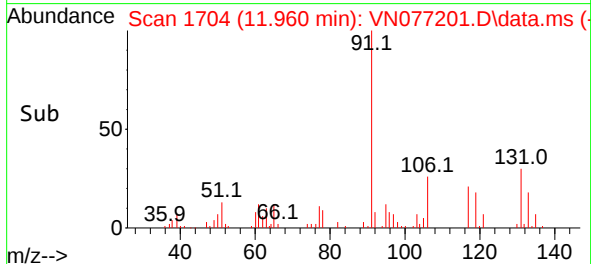
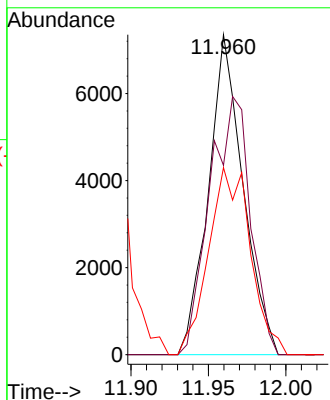
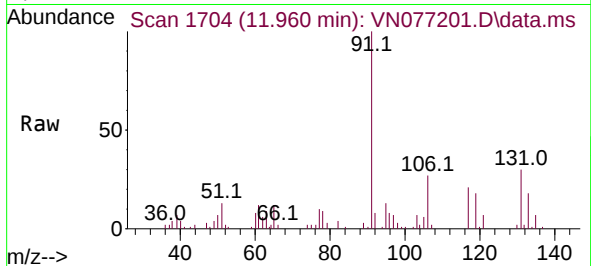
#65
1,1,1,2-Tetrachloroethane
Concen: 2.591 ug/l
RT: 11.960 min Scan# 1145
Delta R.T. -0.006 min
Lab File: VN077201.D
Acq: 27 Mar 2023 14:01

Instrument : MSVOA_N
ClientSampleId : MDL-WATER-03-QT1-2023

Tgt Ion:131 Resp: 1145
Ion Ratio Lower Upper
131 100
133 94.6 0.0 197.6
119 70.4 0.0 127.8

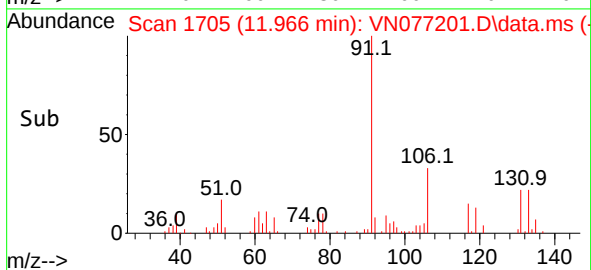
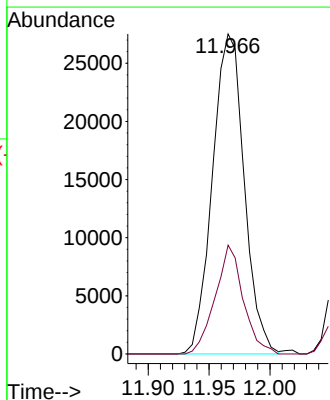
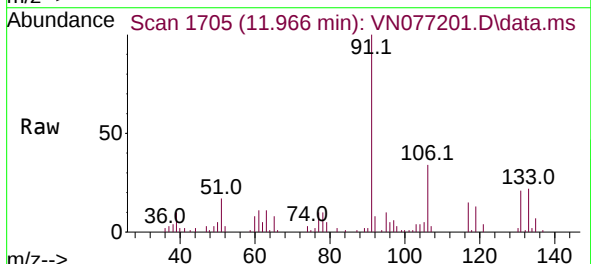
Manual Integrations
APPROVED

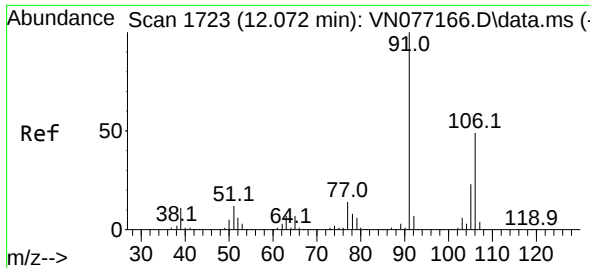
Reviewed By :John Carlone 03/28/2023
Supervised By :Semsettin Yesilyurt 03/28/2023



#66
Ethyl Benzene
Concen: 2.282 ug/l
RT: 11.966 min Scan# 1705
Delta R.T. -0.000 min
Lab File: VN077201.D
Acq: 27 Mar 2023 14:01

Tgt Ion: 91 Resp: 49907
Ion Ratio Lower Upper
91 100
106 34.0 23.8 35.8





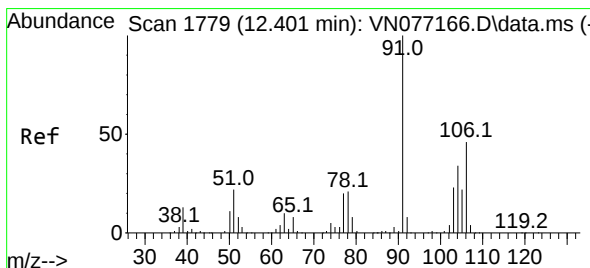
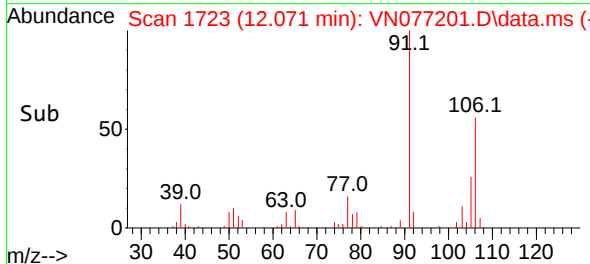
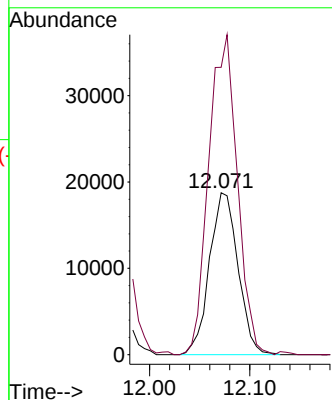
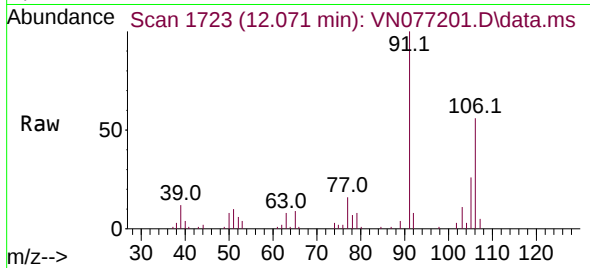
#67
m/p-Xylenes
Concen: 4.411 ug/l
RT: 12.071 min Scan# 1723
Delta R.T. -0.001 min
Lab File: VN077201.D
Acq: 27 Mar 2023 14:01

Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT1-2023

Tgt Ion:106 Resp: 37110
Ion Ratio Lower Upper
106 100
91 198.3 157.4 236.2

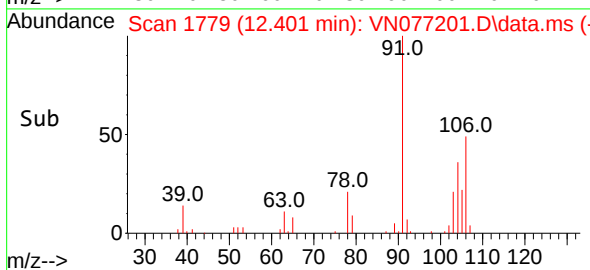
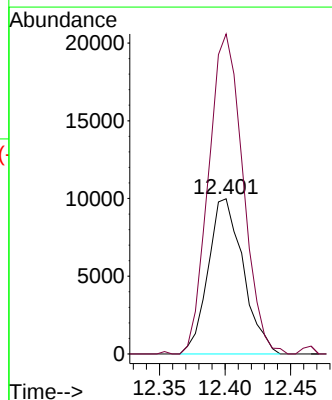
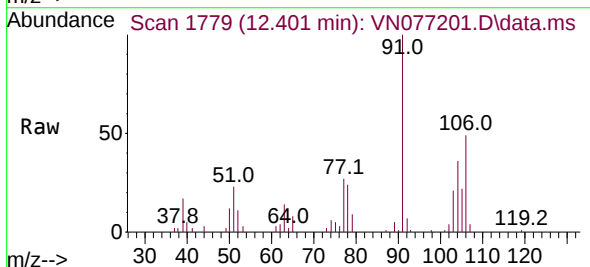
Manual Integrations
APPROVED

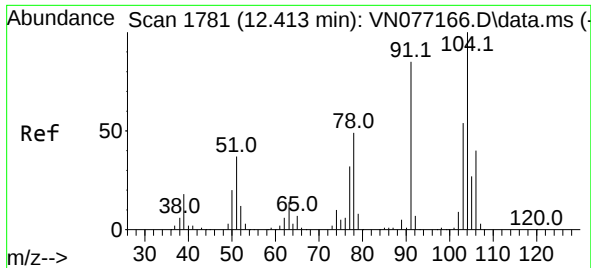
Reviewed By :John Carlone 03/28/2023
Supervised By :Semsettin Yesilyurt 03/28/2023



#68
o-Xylene
Concen: 2.253 ug/l
RT: 12.401 min Scan# 1779
Delta R.T. -0.000 min
Lab File: VN077201.D
Acq: 27 Mar 2023 14:01

Tgt Ion:106 Resp: 18566
Ion Ratio Lower Upper
106 100
91 202.5 107.2 321.6





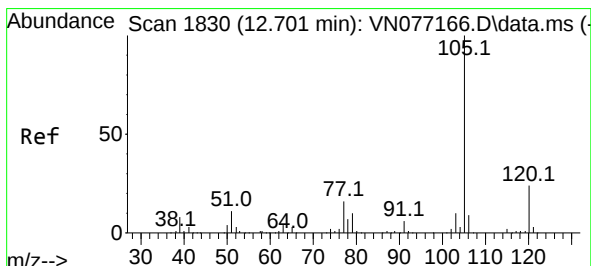
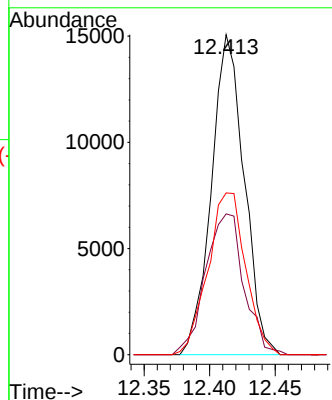
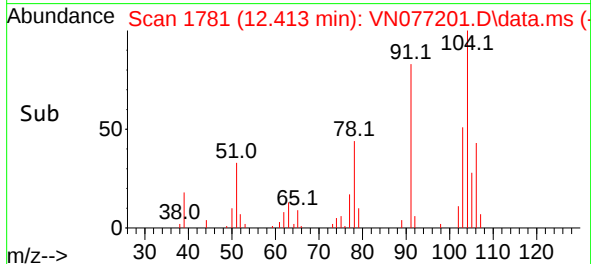
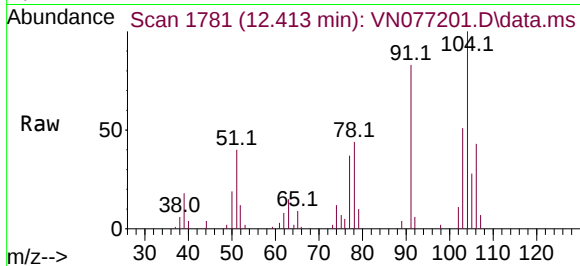
#69
Styrene
Concen: 1.957 ug/l
RT: 12.413 min Scan# 1781
Delta R.T. -0.000 min
Lab File: VN077201.D
Acq: 27 Mar 2023 14:01

Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT1-2023

Tgt Ion:104 Resp: 2618
Ion Ratio Lower Upper
104 100
78 51.5 39.6 59.4
103 58.4 43.9 65.9

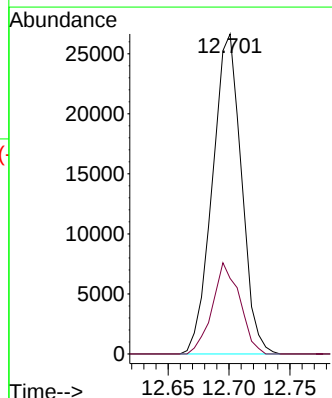
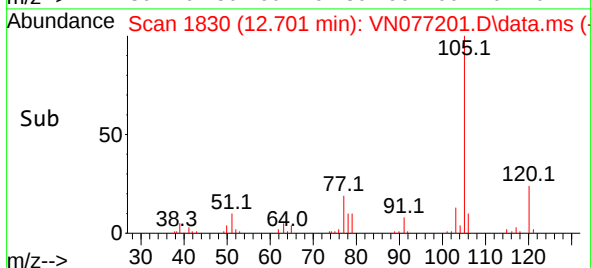
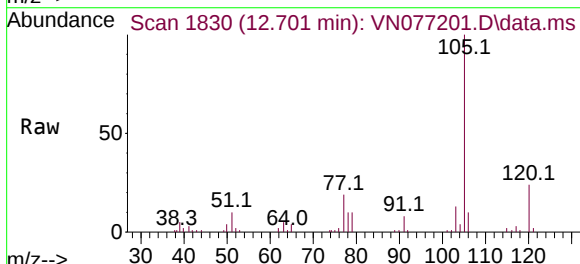
Manual Integrations
APPROVED

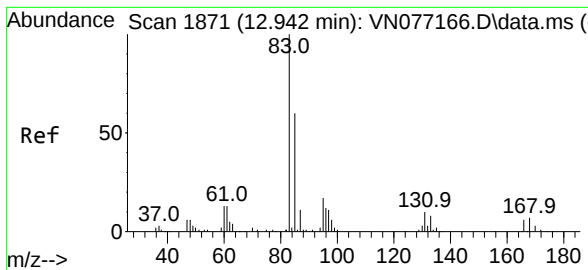
Reviewed By :John Carlone 03/28/2023
Supervised By :Semsettin Yesilyurt 03/28/2023



#70
Isopropylbenzene
Concen: 2.065 ug/l
RT: 12.701 min Scan# 1830
Delta R.T. -0.000 min
Lab File: VN077201.D
Acq: 27 Mar 2023 14:01

Tgt Ion:105 Resp: 44112
Ion Ratio Lower Upper
105 100
120 27.0 19.0 35.2





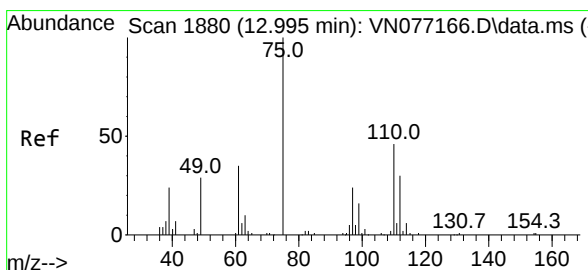
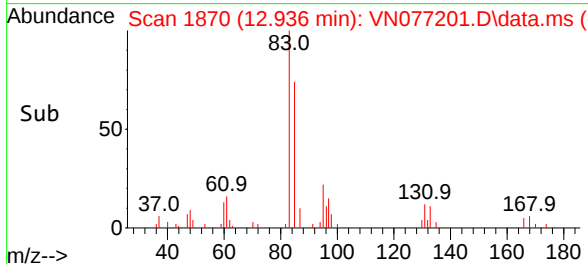
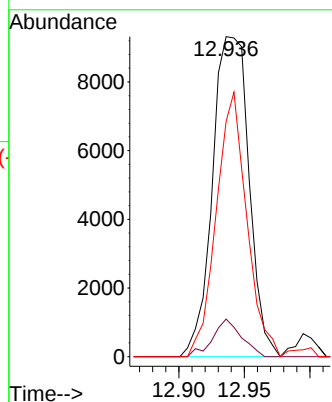
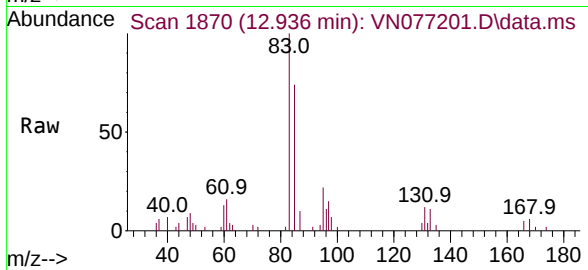
#71
1,1,2,2-Tetrachloroethane
Concen: 2.583 ug/l
RT: 12.936 min Scan# 1870
Delta R.T. -0.006 min
Lab File: VN077201.D
Acq: 27 Mar 2023 14:01

Instrument : MSVOA_N
ClientSampleId : MDL-WATER-03-QT1-2023

Tgt Ion: 83 Resp: 1806
Ion Ratio Lower Upper
83 100
131 9.2 5.0 14.9
85 68.8 32.3 96.9

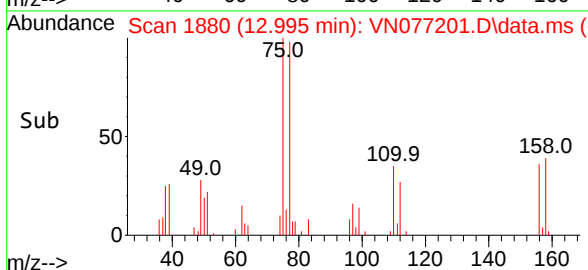
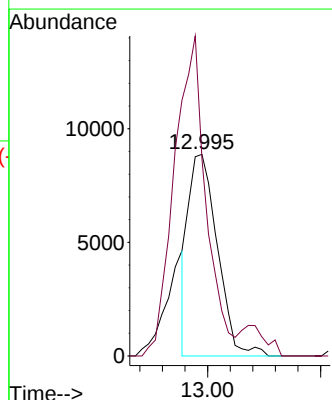
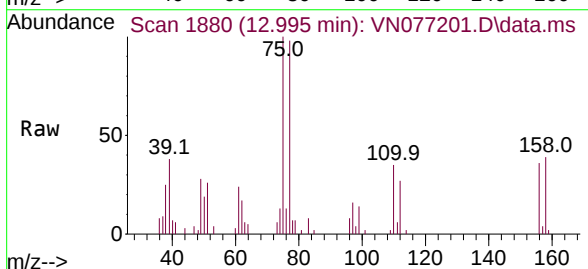
Manual Integrations
APPROVED

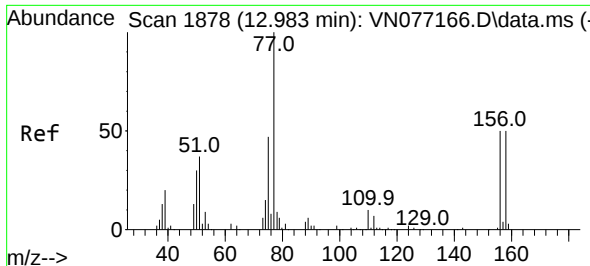
Reviewed By :John Carlone 03/28/2023
Supervised By :Semsettin Yesilyurt 03/28/2023



#72
1,2,3-Trichloropropane
Concen: 2.545 ug/l m
RT: 12.995 min Scan# 1880
Delta R.T. -0.000 min
Lab File: VN077201.D
Acq: 27 Mar 2023 14:01

Tgt Ion: 75 Resp: 15755
Ion Ratio Lower Upper
75 100
77 173.9 0.0 332.6





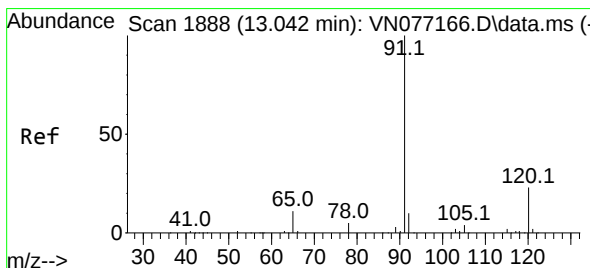
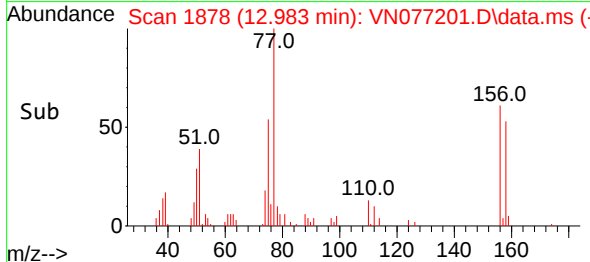
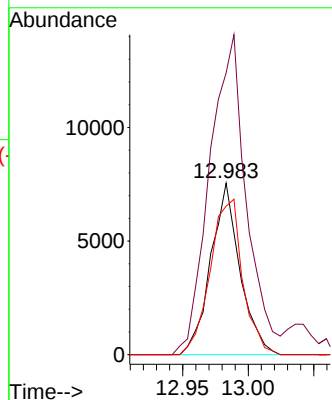
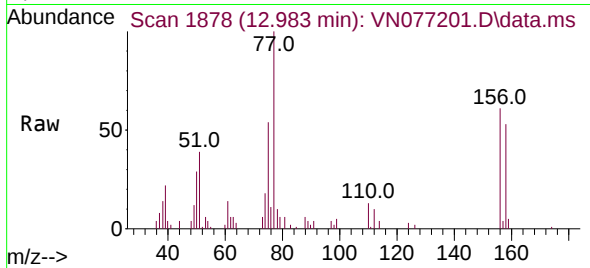
#73
Bromobenzene
Concen: 2.452 ug/l
RT: 12.983 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VN077201.D
Acq: 27 Mar 2023 14:01

Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT1-2023

Tgt Ion:156 Resp: 1171
Ion Ratio Lower Upper
156 100
77 234.0 0.0 423.0
158 100.5 0.0 188.6

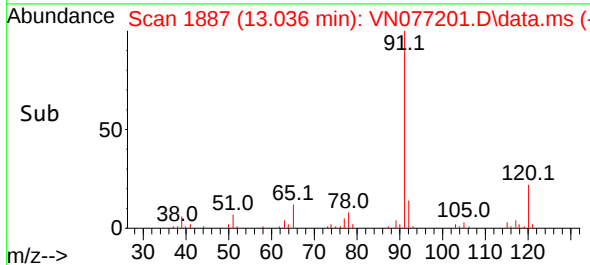
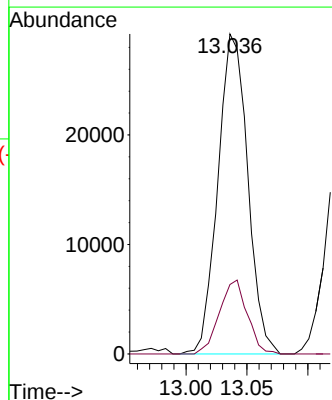
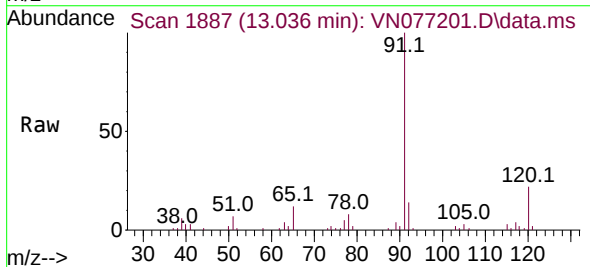
Manual Integrations
APPROVED

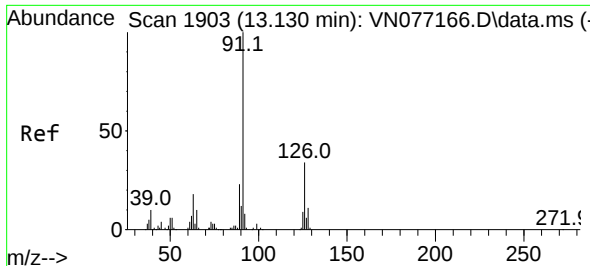
Reviewed By :John Carlone 03/28/2023
Supervised By :Semsettin Yesilyurt 03/28/2023



#74
n-propylbenzene
Concen: 2.012 ug/l
RT: 13.036 min Scan# 1887
Delta R.T. -0.006 min
Lab File: VN077201.D
Acq: 27 Mar 2023 14:01

Tgt Ion: 91 Resp: 49775
Ion Ratio Lower Upper
91 100
120 21.6 0.0 44.0





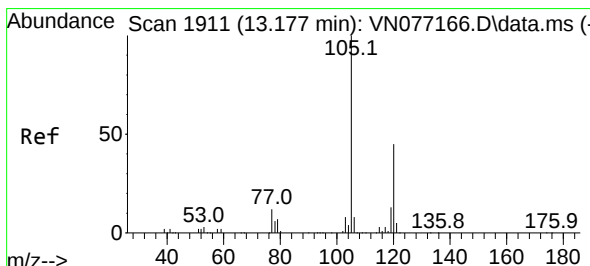
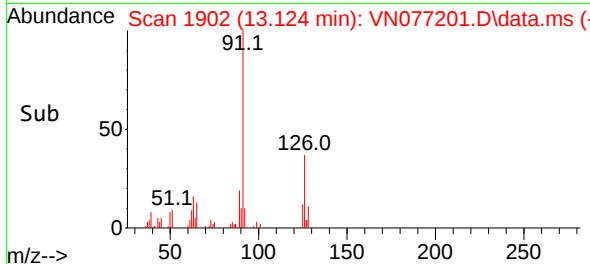
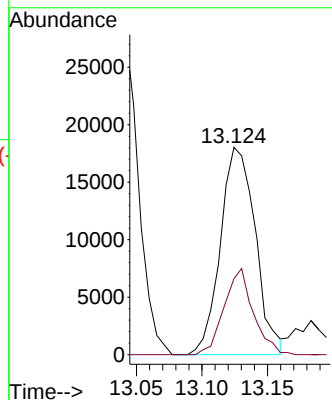
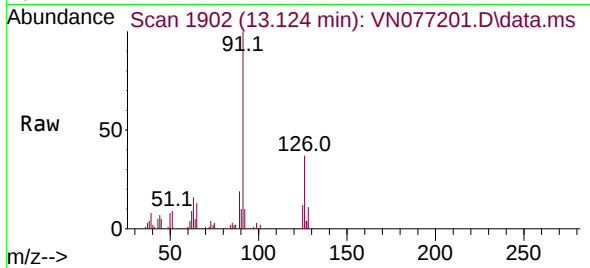
#75
2-Chlorotoluene
Concen: 2.241 ug/l
RT: 13.124 min Scan# 1903
Delta R.T. -0.006 min
Lab File: VN077201.D
Acq: 27 Mar 2023 14:01

Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT1-2023

Tgt Ion: 91 Resp: 3342
Ion Ratio Lower Upper
91 100
126 34.7 0.0 66.4

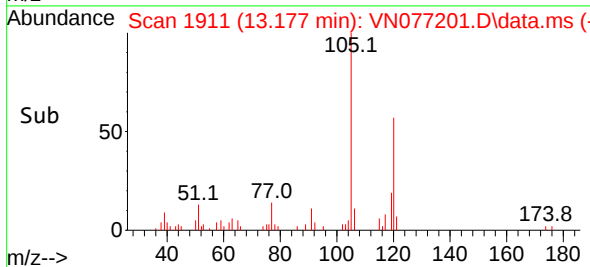
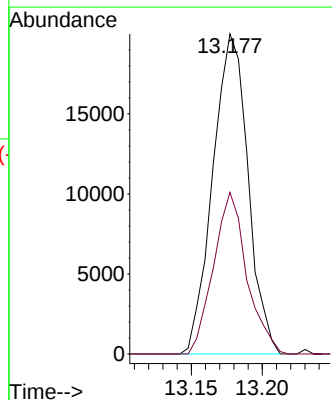
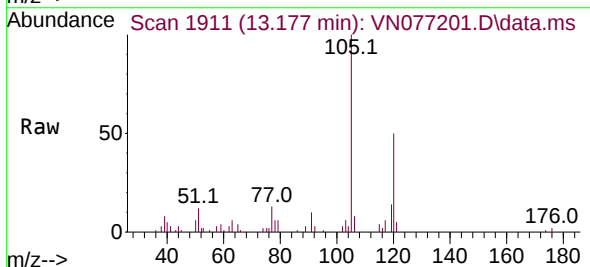
Manual Integrations
APPROVED

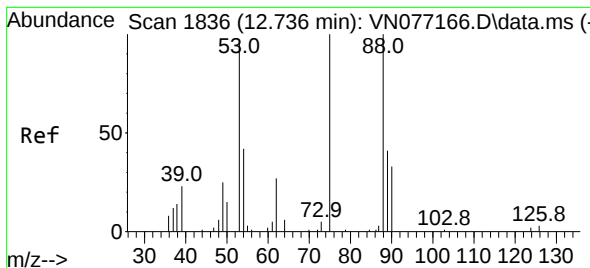
Reviewed By :John Carlone 03/28/2023
Supervised By :Semsettin Yesilyurt 03/28/2023



#76
1,3,5-Trimethylbenzene
Concen: 1.944 ug/l
RT: 13.177 min Scan# 1911
Delta R.T. 0.000 min
Lab File: VN077201.D
Acq: 27 Mar 2023 14:01

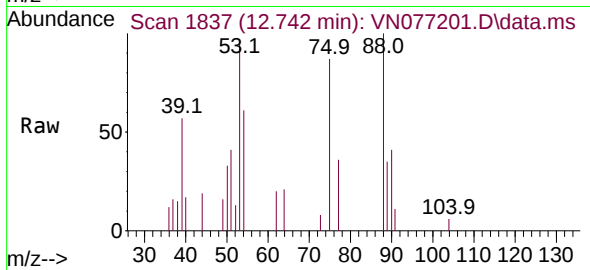
Tgt Ion:105 Resp: 34474
Ion Ratio Lower Upper
105 100
120 47.7 0.0 103.2





#77
t-1,4-Dichloro-2-butene
Concen: 1.974 ug/l
RT: 12.742 min Scan# 1836
Delta R.T. 0.006 min
Lab File: VN077201.D
Acq: 27 Mar 2023 14:01

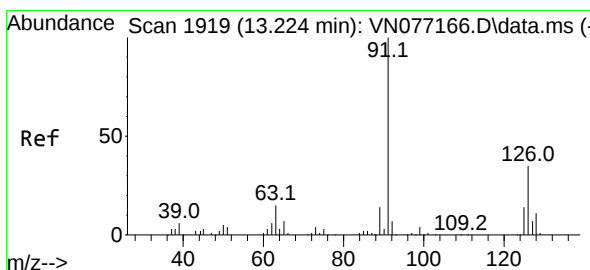
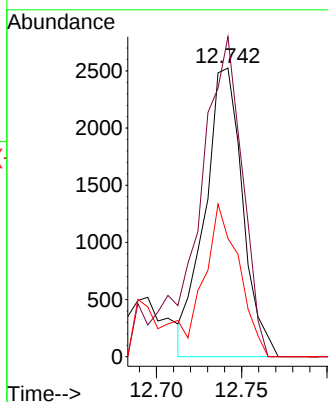
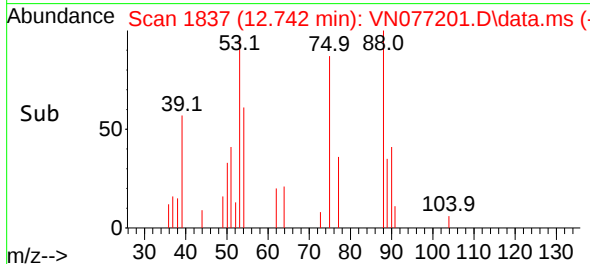
Instrument : MSVOA_N
ClientSampleId : MDL-WATER-03-QT1-2023



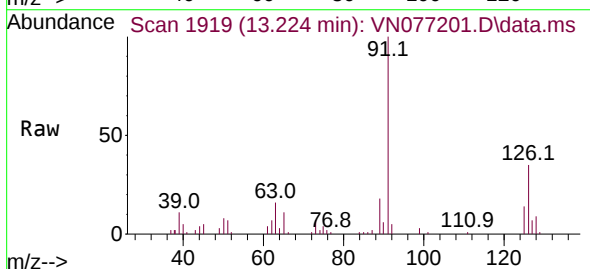
Tgt Ion: 75 Resp: 3890
Ion Ratio Lower Upper
75 100
53 110.8 50.4 151.3
89 40.9 22.1 66.5

Manual Integrations
APPROVED

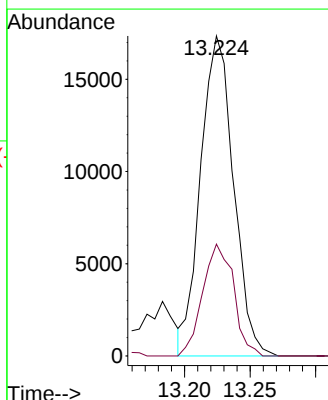
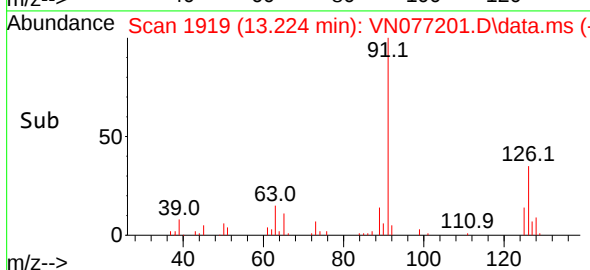
Reviewed By :John Carlone 03/28/2023
Supervised By :Semsettin Yesilyurt 03/28/2023

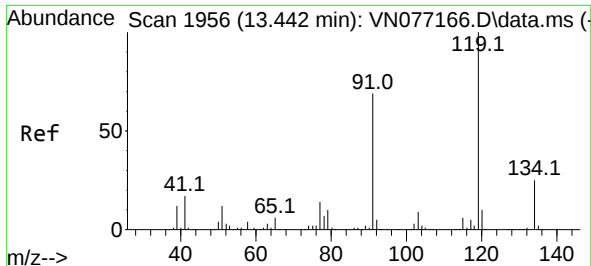


#78
4-Chlorotoluene
Concen: 2.112 ug/l
RT: 13.224 min Scan# 1919
Delta R.T. 0.000 min
Lab File: VN077201.D
Acq: 27 Mar 2023 14:01



Tgt Ion: 91 Resp: 30300
Ion Ratio Lower Upper
91 100
126 32.8 0.0 70.6





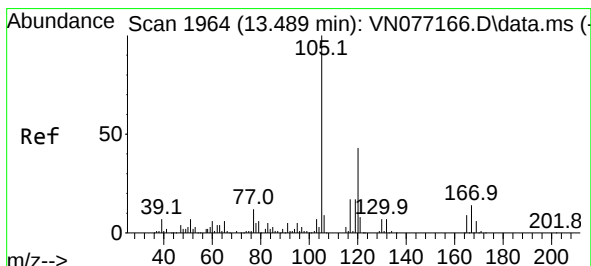
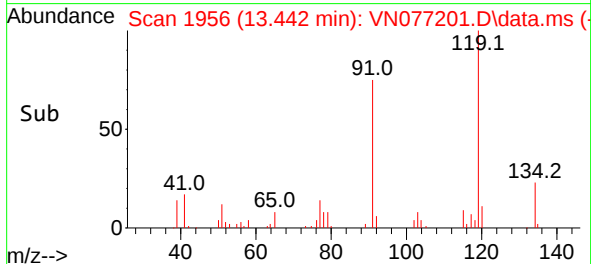
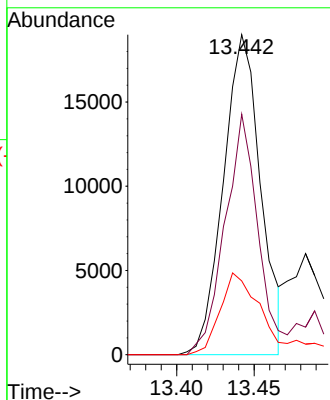
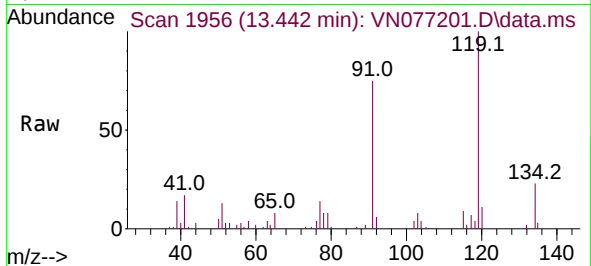
#79
tert-butylbenzene
Concen: 2.100 ug/l
RT: 13.442 min Scan# 1956
Delta R.T. -0.000 min
Lab File: VN077201.D
Acq: 27 Mar 2023 14:01

Instrument : MSVOA_N
ClientSampleId : MDL-WATER-03-QT1-2023

Tgt Ion:119 Resp: 31820
Ion Ratio Lower Upper
119 100
91 66.9 0.0 129.6
134 27.0 0.0 47.8

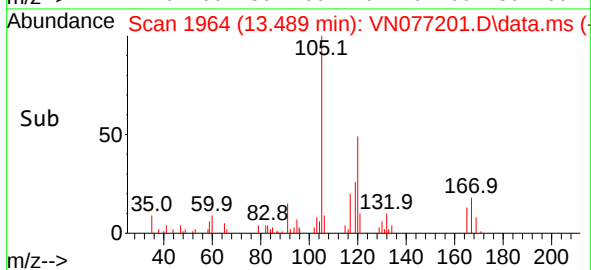
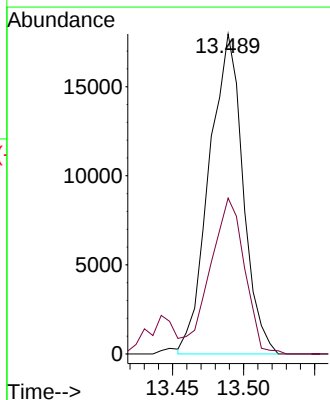
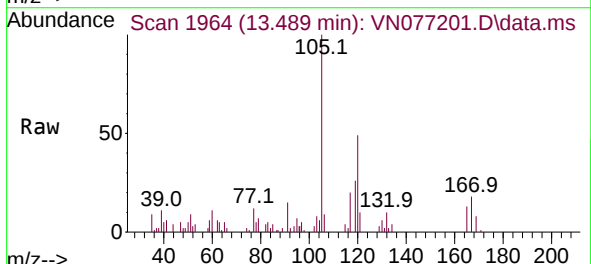
Manual Integrations
APPROVED

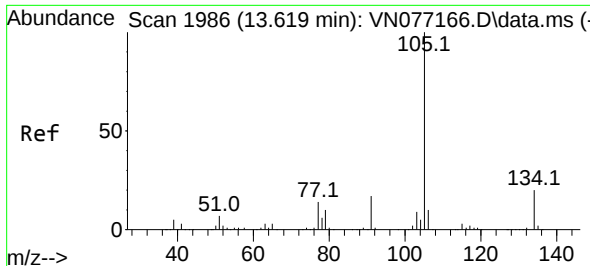
Reviewed By :John Carlone 03/28/2023
Supervised By :Semsettin Yesilyurt 03/28/2023



#80
1,2,4-Trimethylbenzene
Concen: 1.688 ug/l
RT: 13.489 min Scan# 1964
Delta R.T. 0.000 min
Lab File: VN077201.D
Acq: 27 Mar 2023 14:01

Tgt Ion:105 Resp: 29708
Ion Ratio Lower Upper
105 100
120 47.8 0.0 93.2





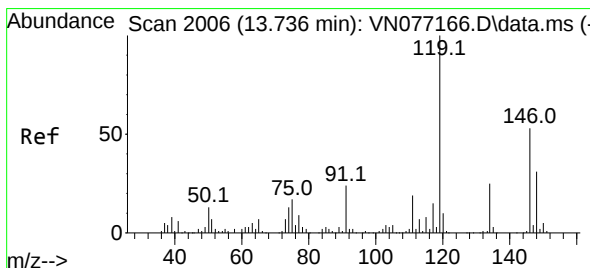
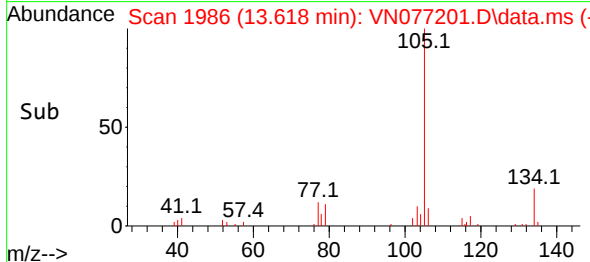
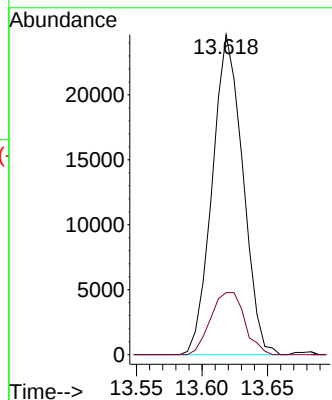
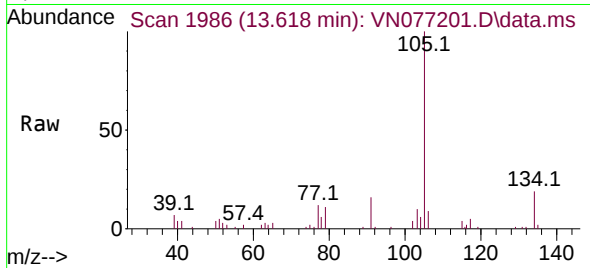
#81
 sec-Butylbenzene
 Concen: 1.820 ug/l
 RT: 13.618 min Scan# 1986
 Delta R.T. -0.001 min
 Lab File: VN077201.D
 Acq: 27 Mar 2023 14:01

Instrument : MSVOA_N
 ClientSampleId :
 MDL-WATER-03-QT1-2023

Tgt Ion:105 Resp: 3980
 Ion Ratio Lower Upper
 105 100
 134 21.7 0.0 39.4

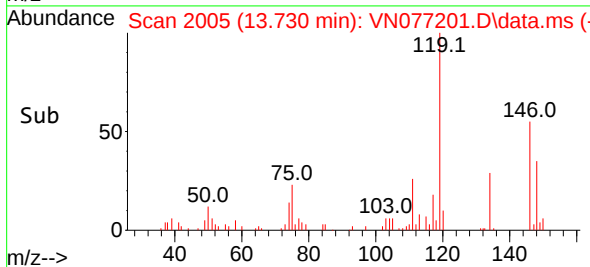
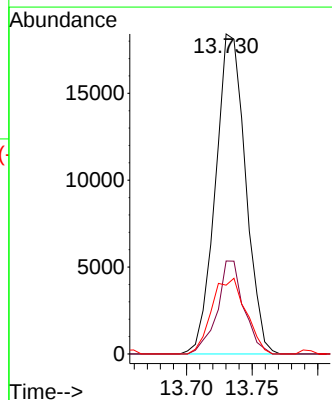
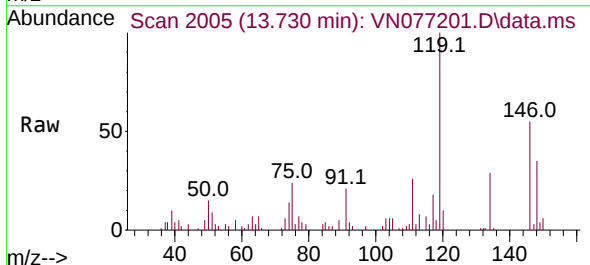
Manual Integrations
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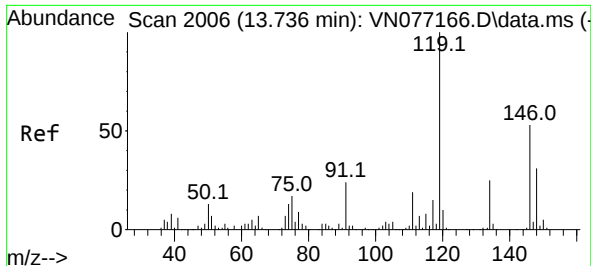
Reviewed By :John Carlone 03/28/2023
 Supervised By :Semsettin Yesilyurt 03/28/2023



#82
 p-Isopropyltoluene
 Concen: 1.673 ug/l
 RT: 13.730 min Scan# 2005
 Delta R.T. -0.006 min
 Lab File: VN077201.D
 Acq: 27 Mar 2023 14:01

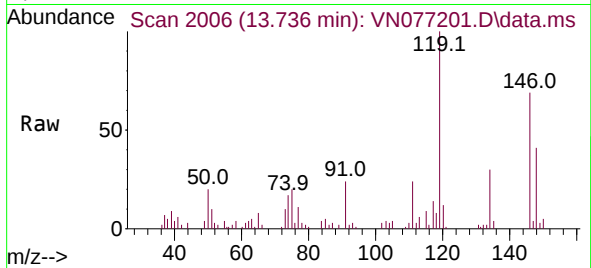
Tgt Ion:119 Resp: 29338
 Ion Ratio Lower Upper
 119 100
 134 25.7 0.0 53.4
 91 26.8 0.0 47.2





#83
1,3-Dichlorobenzene
Concen: 2.354 ug/l
RT: 13.736 min Scan# 2006
Delta R.T. 0.000 min
Lab File: VN077201.D
Acq: 27 Mar 2023 14:01

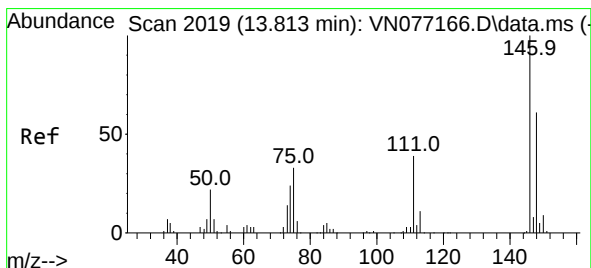
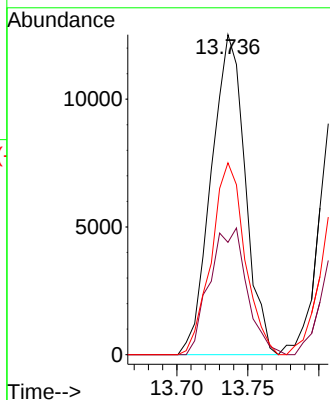
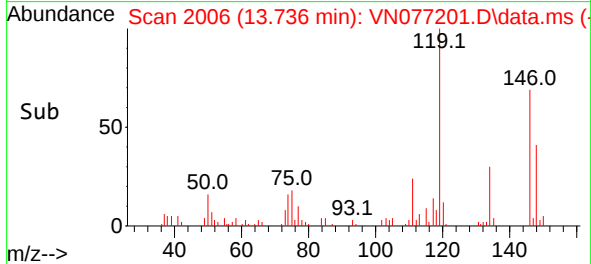
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT1-2023



Tgt Ion:146 Resp: 2082
Ion Ratio Lower Upper
146 100
111 43.4 20.3 60.8
148 59.4 31.9 95.5

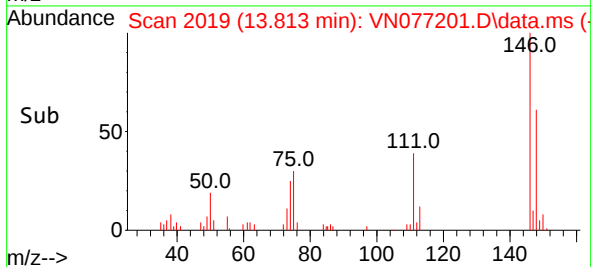
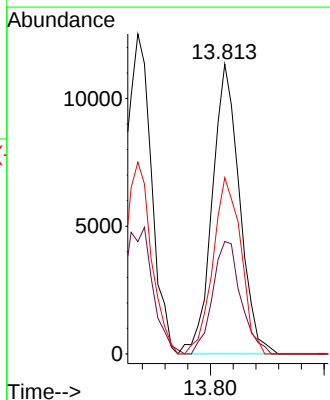
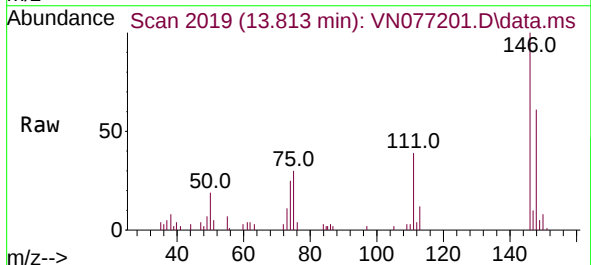
Manual Integrations
APPROVED

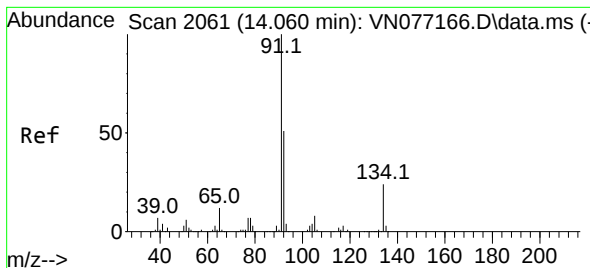
Reviewed By :John Carlone 03/28/2023
Supervised By :Semsettin Yesilyurt 03/28/2023



#84
1,4-Dichlorobenzene
Concen: 2.200 ug/l
RT: 13.813 min Scan# 2019
Delta R.T. -0.001 min
Lab File: VN077201.D
Acq: 27 Mar 2023 14:01

Tgt Ion:146 Resp: 18952
Ion Ratio Lower Upper
146 100
111 40.1 18.2 54.6
148 62.4 31.1 93.2





#85

n-Butylbenzene

Concen: 1.657 ug/l

RT: 14.060 min Scan# 2061

Delta R.T. -0.000 min

Lab File: VN077201.D

Acq: 27 Mar 2023 14:01

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT1-2023

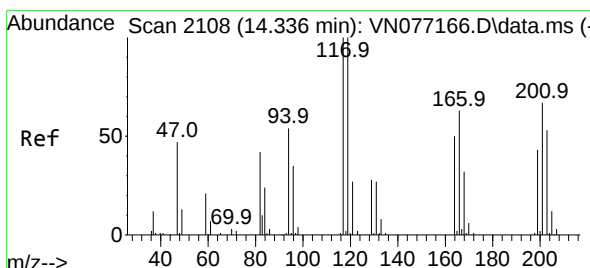
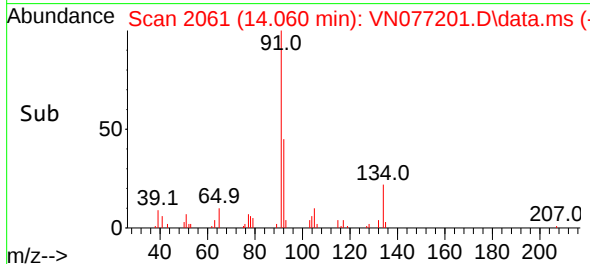
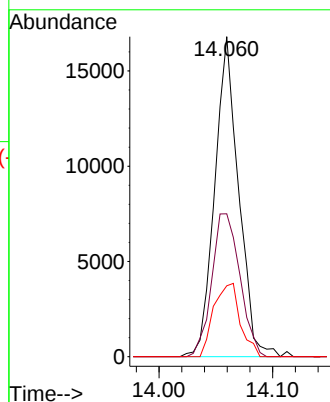
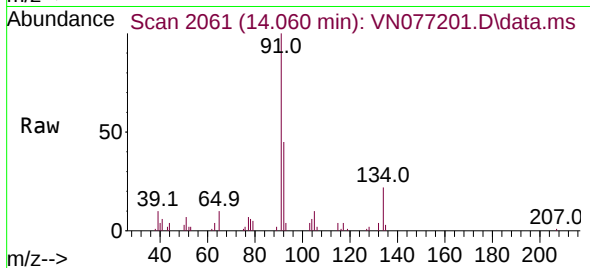
Tgt Ion:	91	Resp:	2455
Ion Ratio	Lower	Upper	
91	100		
92	52.6	0.0	103.2
134	25.3	0.0	50.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/28/2023

Supervised By :Semsettin Yesilyurt 03/28/2023



#86

Hexachloroethane

Concen: 2.425 ug/l

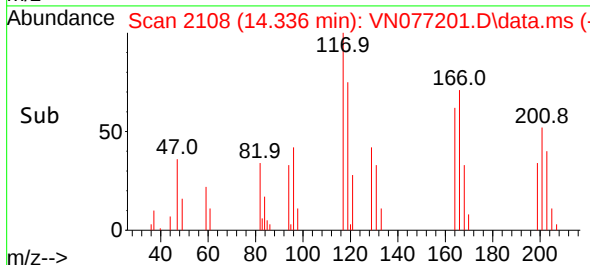
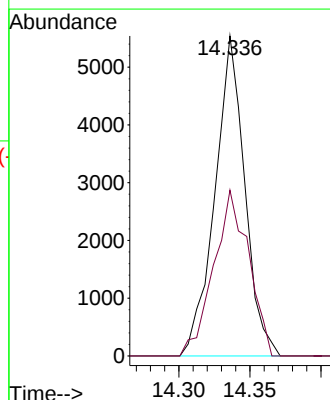
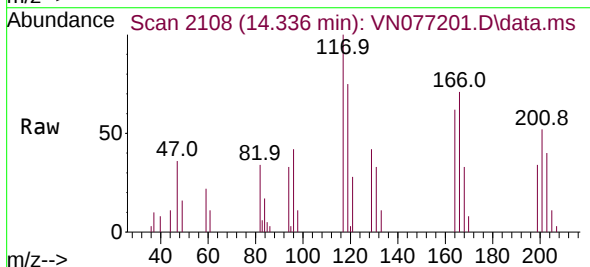
RT: 14.336 min Scan# 2108

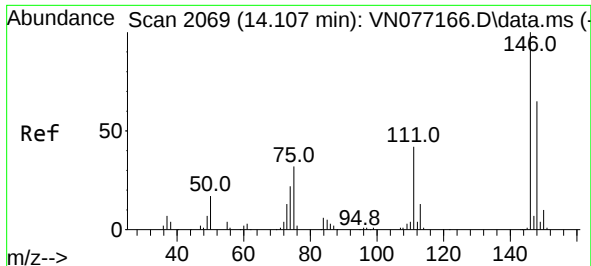
Delta R.T. 0.000 min

Lab File: VN077201.D

Acq: 27 Mar 2023 14:01

Tgt Ion:	117	Resp:	8108
Ion Ratio	Lower	Upper	
117	100		
201	60.7	32.2	96.6





#87

1,2-Dichlorobenzene

Concen: 2.218 ug/l

RT: 14.112 min Scan# 2069

Delta R.T. 0.005 min

Lab File: VN077201.D

Acq: 27 Mar 2023 14:01

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT1-2023

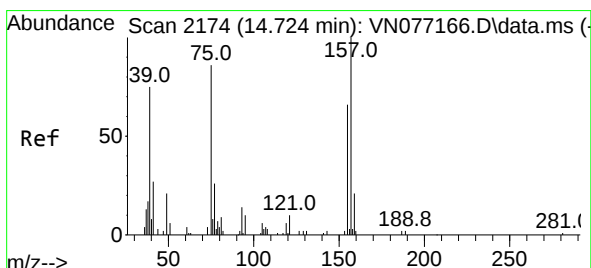
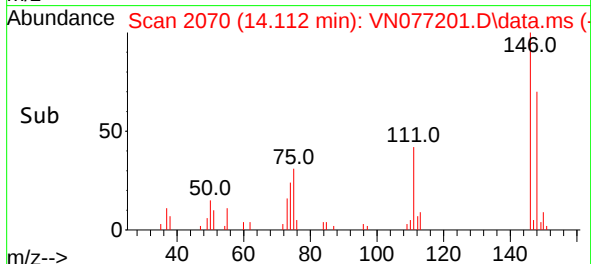
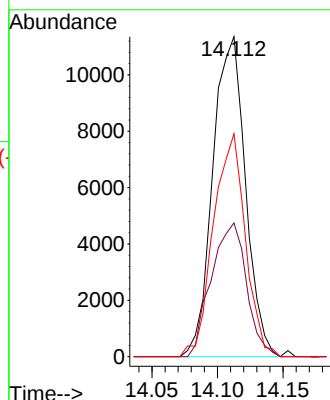
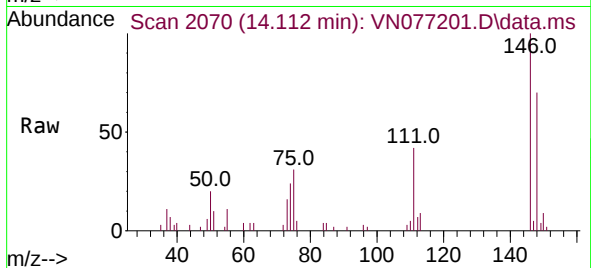
Tgt Ion:146 Resp: 19620
 Ion Ratio Lower Upper
 146 100
 111 45.2 20.5 61.6
 148 68.2 32.5 97.5

Manual Integrations

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Reviewed By :John Carlone 03/28/2023

Supervised By :Semsettin Yesilyurt 03/28/2023



#88

1,2-Dibromo-3-Chloropropane

Concen: 2.347 ug/l

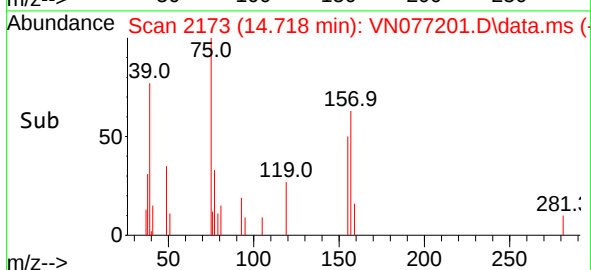
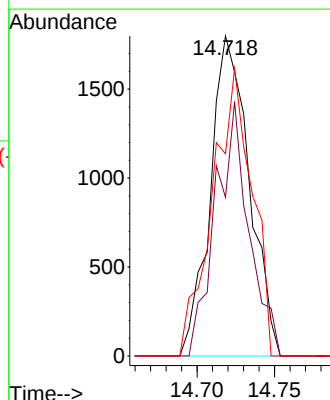
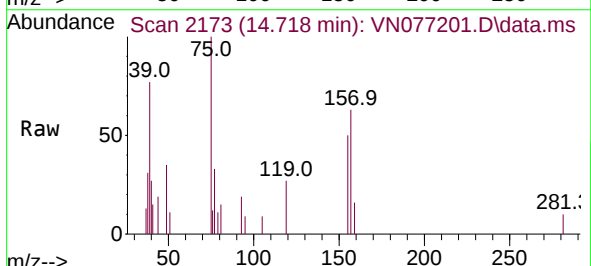
RT: 14.718 min Scan# 2173

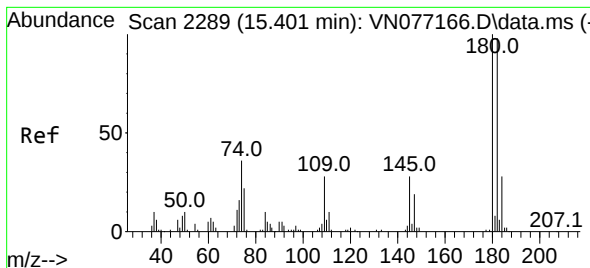
Delta R.T. -0.006 min

Lab File: VN077201.D

Acq: 27 Mar 2023 14:01

Tgt Ion: 75 Resp: 3149
 Ion Ratio Lower Upper
 75 100
 155 67.7 62.5 93.7
 157 90.7 77.5 116.3





#89

1,2,4-Trichlorobenzene

Concen: 1.639 ug/l

RT: 15.401 min Scan# 21

Delta R.T. -0.000 min

Lab File: VN077201.D

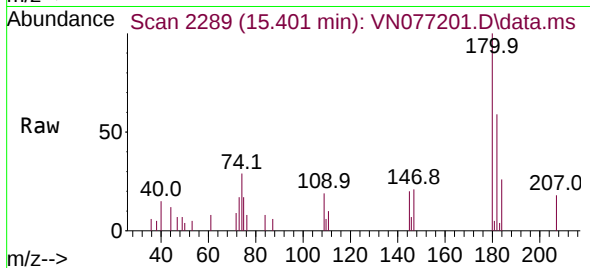
Acq: 27 Mar 2023 14:01

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT1-2023



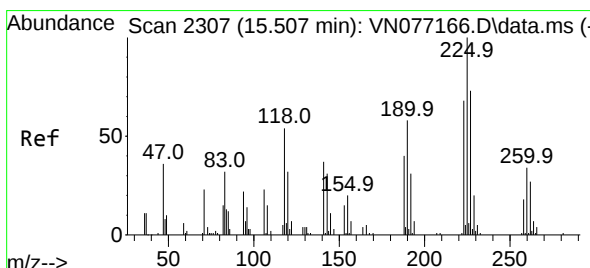
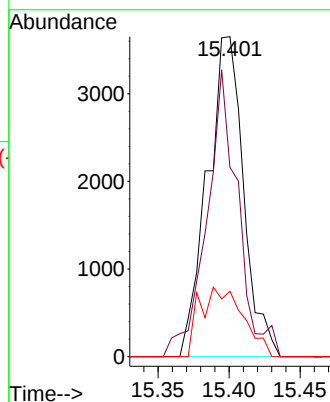
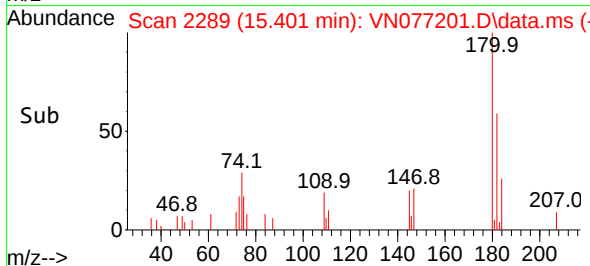
Tgt Ion:180	Resp:	646
Ion Ratio	Lower	Upper
180	100	
182	64.4	76.6 115.0
145	19.4	24.6 36.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/28/2023

Supervised By :Semsettin Yesilyurt 03/28/2023



#90

Hexachlorobutadiene

Concen: 2.470 ug/l

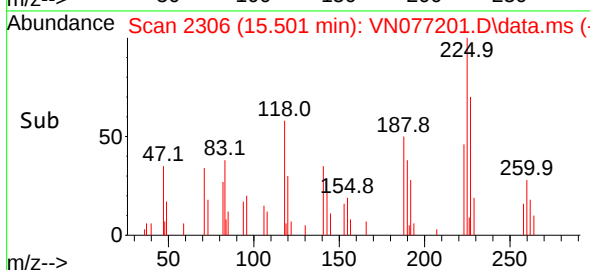
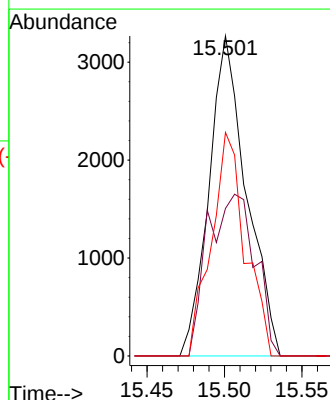
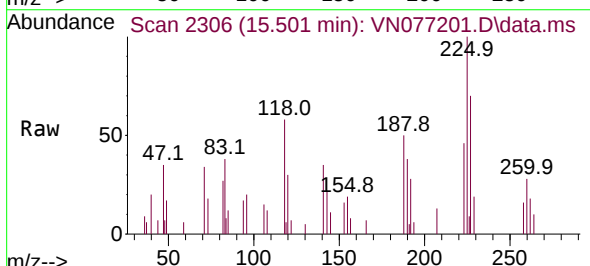
RT: 15.501 min Scan# 2306

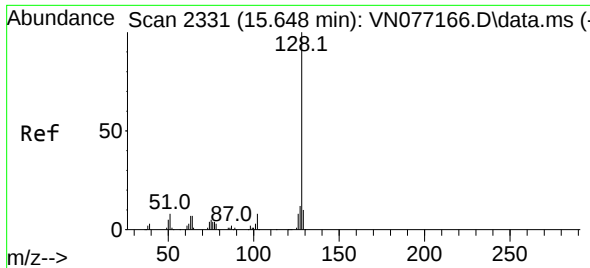
Delta R.T. -0.006 min

Lab File: VN077201.D

Acq: 27 Mar 2023 14:01

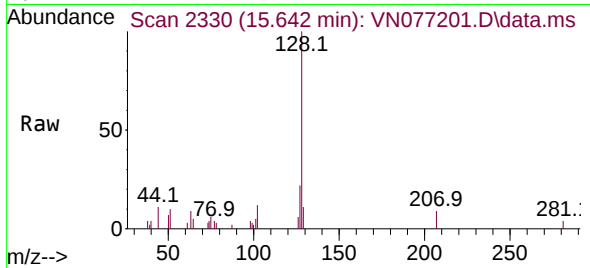
Tgt Ion:225	Resp:	5498
Ion Ratio	Lower	Upper
225	100	
223	43.5	0.0 135.4
227	62.9	0.0 129.4





#91
Naphthalene
Concen: 0.995 ug/l
RT: 15.642 min Scan# 21
Delta R.T. -0.006 min
Lab File: VN077201.D
Acq: 27 Mar 2023 14:01

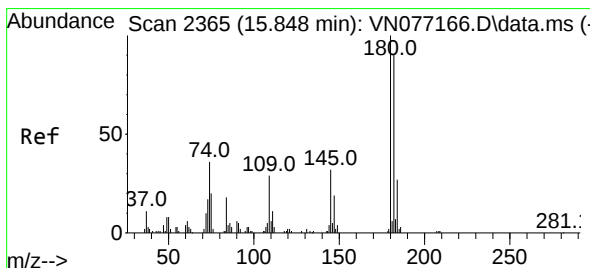
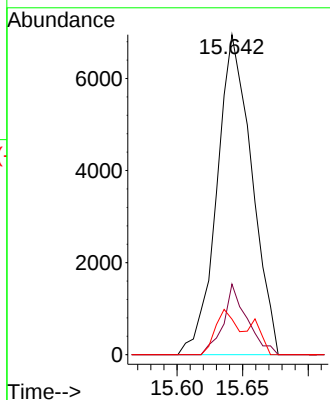
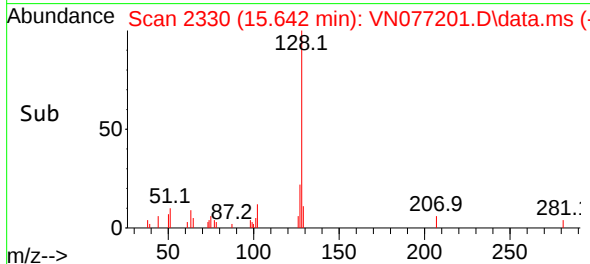
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT1-2023



Tgt Ion:128 Resp: 1288
Ion Ratio Lower Upper
128 100
127 14.9 11.0 16.6
129 8.5 8.9 13.3

Manual Integrations
APPROVED

Reviewed By :John Carlone 03/28/2023
Supervised By :Semsettin Yesilyurt 03/28/2023



#92
1,2,3-Trichlorobenzene
Concen: 1.522 ug/l
RT: 15.848 min Scan# 2365
Delta R.T. -0.000 min
Lab File: VN077201.D
Acq: 27 Mar 2023 14:01

Tgt Ion:180 Resp: 5964
Ion Ratio Lower Upper
180 100
182 94.0 0.0 190.8
145 20.4 0.0 65.0

