

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071523\
 Data File : VX036553.D
 Acq On : 14 Jul 2023 10:57
 Operator : JC/MD
 Sample : 03572-09 2.5PPB
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MDL-WATER-03-QT3-2023

Quant Time: Jul 17 01:27:25 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X071423W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Jul 14 04:32:22 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 07/17/2023
 Supervised By : Semsettin Yesilyurt 07/17/2023

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

Internal Standards						
1) Bromochloromethane	4.897	128	30451	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	157447	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	147517	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.958	65	74116	29.326	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	97.767%		
60) 4-Bromofluorobenzene	11.079	95	68907	28.797	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	96.000%		
63) Toluene-d8	8.646	98	199986	29.461	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	98.200%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	3208	1.886	ug/l	98
3) Chloromethane	1.300	50	5161	2.217	ug/l	97
4) Vinyl Chloride	1.373	62	4593	1.914	ug/l	100
5) Bromomethane	1.611	94	5717	2.326	ug/l	96
6) Chloroethane	1.684	64	3601	2.204	ug/l	92
7) Trichlorofluoromethane	1.885	101	7802	2.004	ug/l	97
8) Diethyl Ether	2.135	74	3984	2.462	ug/l	96
9) 1,1,2-Trichlorotrifluo...	2.330	101	3547	2.012	ug/l	93
10) 1,1-Dichloroethene	2.318	96	4027	2.260	ug/l	98
11) Methyl Iodide	2.452	142	3533	1.740	ug/l	84
12) Methyl Acetate	2.702	43	9819	2.344	ug/l	96
13) Acrolein	2.245	56	3325	9.677	ug/l	93
14) Acrylonitrile	3.068	53	14288	12.169	ug/l	97
15) Acetone	2.385	58	4206	12.653	ug/l	97
16) Carbon Disulfide	2.513	76	9483	2.193	ug/l #	92
17) Allyl chloride	2.666	41	6386	2.020	ug/l	96
18) Methylene Chloride	2.788	84	5070	2.363	ug/l	93
19) trans-1,2-Dichloroethene	3.099	96	4126	2.118	ug/l	93
20) Diisopropyl ether	3.763	45	15586	2.419	ug/l	98
21) 1,1-Dichloroethane	3.611	63	8321	2.215	ug/l #	95
22) cis-1,2-Dichloroethene	4.489	96	5359	2.286	ug/l	97
23) tert-Butyl Alcohol	2.971	59	5858	10.744	ug/l #	1
24) Methyl tert-Butyl Ether	3.117	73	14709	2.270	ug/l	100
25) Chloroform	5.092	83	9200	2.369	ug/l	97
26) Cyclohexane	5.464	56	5452	1.892	ug/l #	97
29) 1,1-Dichloropropene	5.696	75	5515	2.323	ug/l	92
30) 2-Butanone	4.568	43	19385	12.967	ug/l	100
31) 2,2-Dichloropropane	4.476	77	6019	2.312	ug/l #	70
32) 1,1,1-Trichloroethane	5.385	97	6392	2.266	ug/l #	80
33) Carbon Tetrachloride	5.677	117	5242	2.178	ug/l #	86
34) Benzene	6.043	78	18834	2.574	ug/l	98
35) Methacrylonitrile	4.928	41	3918m	2.526	ug/l	
36) 1,2-Dichloroethane	6.092	62	7217	2.568	ug/l #	82
37) Trichloroethene	7.128	130	4788	2.486	ug/l #	74
38) Methylcyclohexane	7.378	83	5727	2.073	ug/l	97
39) 1,2-Dichloropropane	7.433	63	5019	2.530	ug/l	89
40) Dibromomethane	7.580	93	3676	2.558	ug/l	95
41) Bromodichloromethane	7.823	83	6346	2.433	ug/l #	82
42) Vinyl Acetate	3.727	43	55868	12.373	ug/l	98

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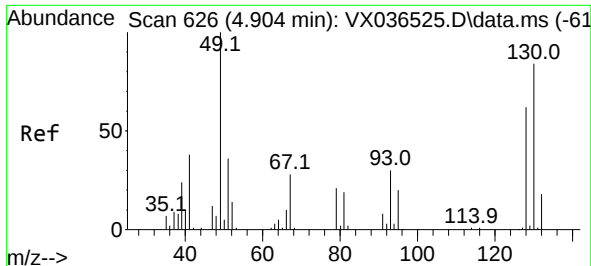
Quant Time: Jul 17 01:27:25 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X071423W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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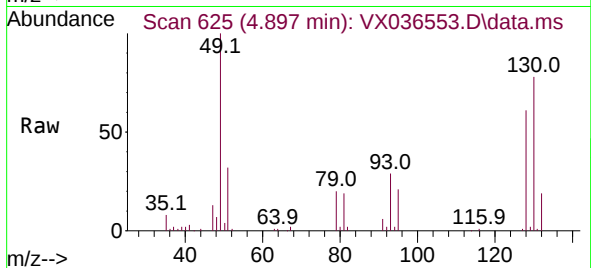
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
43) Ethyl Acetate	4.714	43	7744	2.661	ug/l	#	90
44) Isopropyl Acetate	6.342	43	11779m	2.538	ug/l		
45) 1,4-Dioxane	7.695	88	2374	45.068	ug/l	#	1
46) Methyl methacrylate	7.695	41	5070	2.286	ug/l		89
47) n-amyl Acetate	10.841	43	9131	2.320	ug/l		97
48) t-1,3-Dichloropropene	8.982	75	6120	2.140	ug/l		93
49) cis-1,3-Dichloropropene	8.372	75	6623	2.144	ug/l		93
50) 1,1,2-Trichloroethane	9.152	97	4798	2.460	ug/l		93
51) Ethyl methacrylate	9.116	69	7268	2.373	ug/l		94
52) 1,3-Dichloropropane	9.311	76	8949	2.719	ug/l		96
53) Dibromochloromethane	9.518	129	4282	2.175	ug/l		91
54) 1,2-Dibromoethane	9.610	107	5130	2.504	ug/l		94
55) 2-Chloroethyl vinyl ether	8.244	63	20930	12.708	ug/l		98
56) Bromoform	10.799	173	2746	2.005	ug/l	#	93
58) 4-Methyl-2-Pentanone	8.573	43	37372	12.251	ug/l		99
59) 2-Hexanone	9.433	43	27987	12.060	ug/l		97
61) Tetrachloroethene	9.274	164	4176	2.364	ug/l		92
62) Toluene	8.720	91	21158	2.556	ug/l		95
64) Chlorobenzene	10.079	112	12199	2.367	ug/l		93
65) 1,1,1,2-Tetrachloroethane	10.164	131	4451	2.392	ug/l		93
66) Ethyl Benzene	10.195	91	21422	2.381	ug/l		99
67) m/p-Xylenes	10.305	106	15347	4.376	ug/l		99
68) o-Xylene	10.646	106	8167	2.347	ug/l		99
69) Styrene	10.658	104	12485	2.213	ug/l		97
70) Isopropylbenzene	10.963	105	18533	2.138	ug/l		98
71) 1,1,2,2-Tetrachloroethane	11.213	83	7988	2.525	ug/l		97
72) 1,2,3-Trichloropropane	11.237	75	6643m	2.266	ug/l		
73) Bromobenzene	11.201	156	5203	2.428	ug/l		96
74) n-propylbenzene	11.305	91	20945	2.053	ug/l		98
75) 2-Chlorotoluene	11.365	91	14661	2.363	ug/l		99
76) 1,3,5-Trimethylbenzene	11.451	105	16067	2.157	ug/l		100
77) t-1,4-Dichloro-2-butene	11.018	75	1570	1.631	ug/l		84
78) 4-Chlorotoluene	11.457	91	15921	2.254	ug/l		100
79) tert-butylbenzene	11.713	119	14561	2.060	ug/l		99
80) 1,2,4-Trimethylbenzene	11.750	105	16246	2.201	ug/l		97
81) sec-Butylbenzene	11.890	105	18009	2.024	ug/l		97
82) p-Isopropyltoluene	12.012	119	14556	1.966	ug/l		97
83) 1,3-Dichlorobenzene	11.969	146	9102	2.284	ug/l		98
84) 1,4-Dichlorobenzene	12.042	146	9123	2.297	ug/l		97
85) n-Butylbenzene	12.329	91	12088	1.794	ug/l		97
86) Hexachloroethane	12.542	117	2086	1.702	ug/l		99
87) 1,2-Dichlorobenzene	12.335	146	9288	2.323	ug/l		94
88) 1,2-Dibromo-3-Chloropr...	12.944	75	1425	2.003	ug/l		99
89) 1,2,4-Trichlorobenzene	13.591	180	5092	2.020	ug/l		97
90) Hexachlorobutadiene	13.725	225	1908	2.084	ug/l		92
91) Naphthalene	13.774	128	18041	2.039	ug/l		99
92) 1,2,3-Trichlorobenzene	13.963	180	5033	1.978	ug/l		95

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



#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.897 min Scan# 61
Delta R.T. -0.007 min
Lab File: VX036553.D
Acq: 14 Jul 2023 10:57

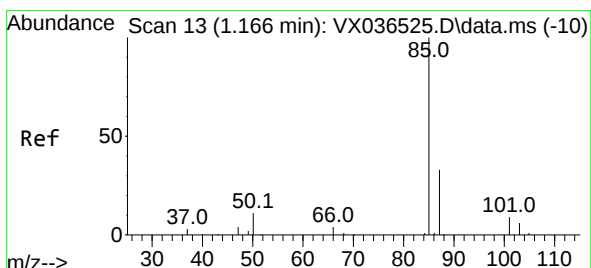
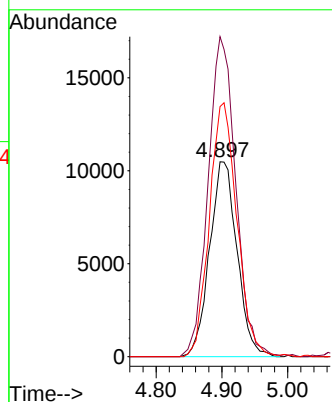
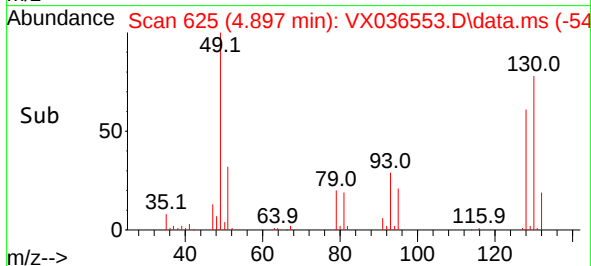
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT3-2023



Tgt Ion:128 Resp: 3045
Ion Ratio Lower Upper
128 100
49 165.4 0.0 406.3
130 130.9 0.0 328.0

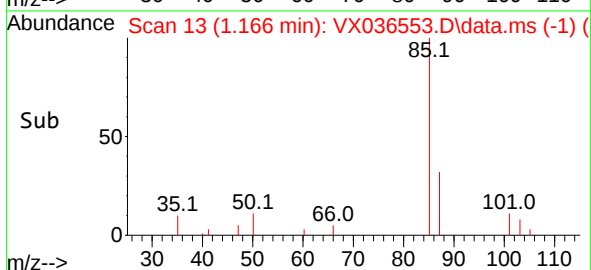
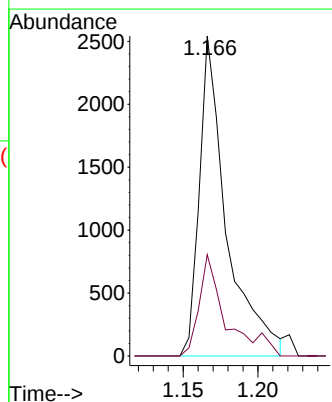
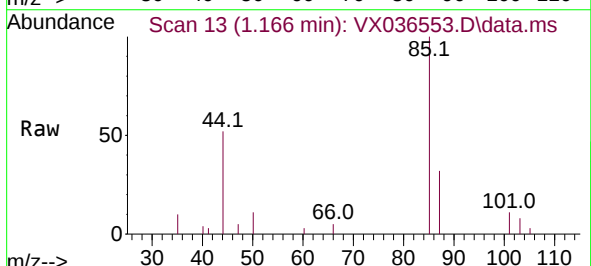
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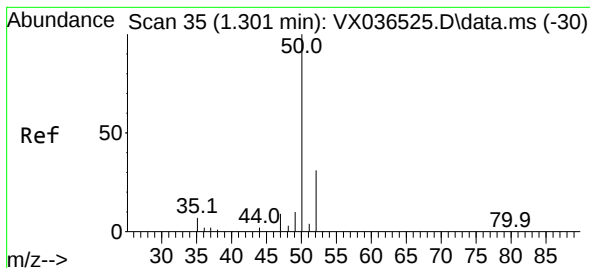
Reviewed By :John Carlone 07/17/2023
Supervised By :Semsettin Yesilyurt 07/17/2023



#2
Dichlorodifluoromethane
Concen: 1.886 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.000 min
Lab File: VX036553.D
Acq: 14 Jul 2023 10:57

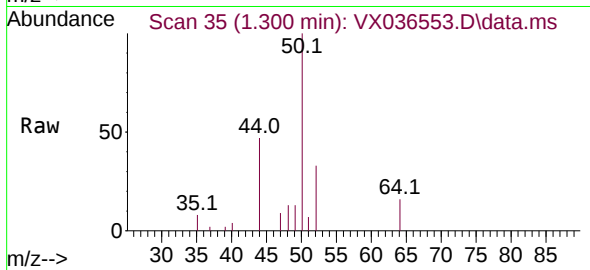
Tgt Ion: 85 Resp: 3208
Ion Ratio Lower Upper
85 100
87 31.7 16.4 49.4





#3
Chloromethane
Concen: 2.217 ug/l
RT: 1.300 min Scan# 35
Delta R.T. -0.000 min
Lab File: VX036553.D
Acq: 14 Jul 2023 10:57

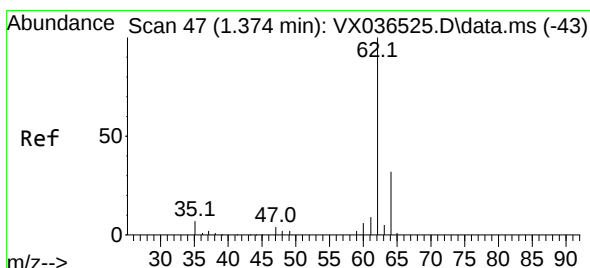
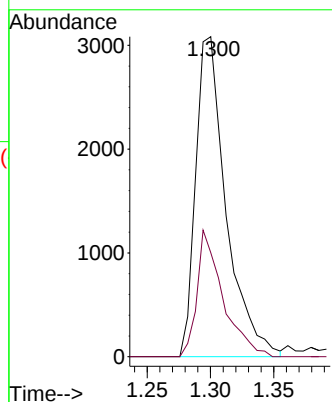
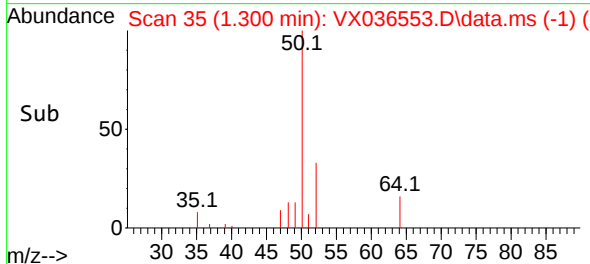
Instrument : MSVOA_X
ClientSampleId : MDL-WATER-03-QT3-2023



Tgt Ion: 50 Resp: 516
Ion Ratio Lower Upper
50 100
52 32.5 24.5 36.7

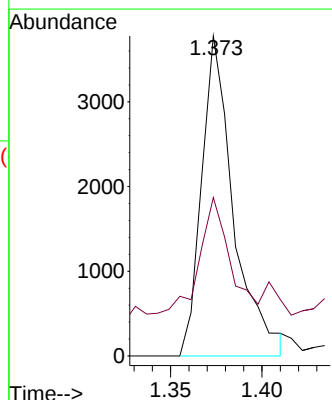
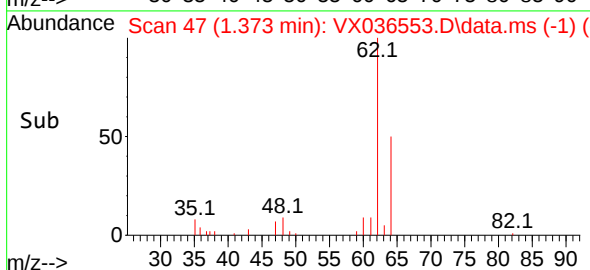
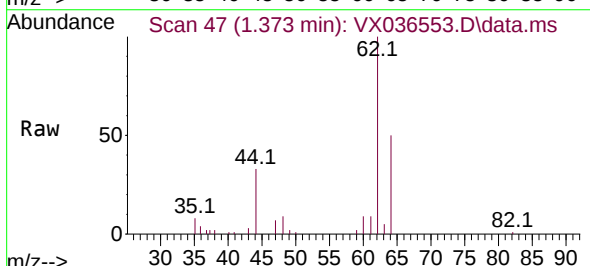
Manual Integrations
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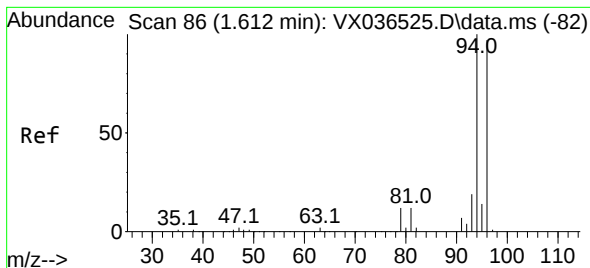
Reviewed By :John Carlone 07/17/2023
Supervised By :Semsettin Yesilyurt 07/17/2023



#4
Vinyl Chloride
Concen: 1.914 ug/l
RT: 1.373 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX036553.D
Acq: 14 Jul 2023 10:57

Tgt Ion: 62 Resp: 4593
Ion Ratio Lower Upper
62 100
64 31.8 25.3 37.9





#5

Bromomethane

Concen: 2.326 ug/l

RT: 1.611 min Scan# 80

Delta R.T. -0.000 min

Lab File: VX036553.D

Acq: 14 Jul 2023 10:57

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT3-2023

Tgt Ion: 94 Resp: 571

Ion Ratio Lower Upper

94 100

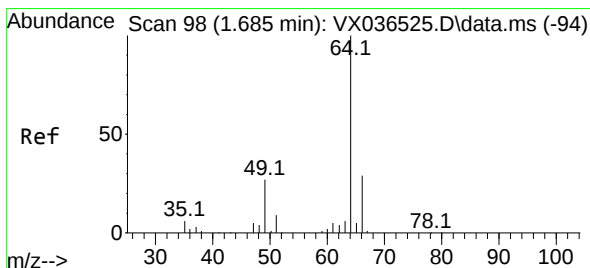
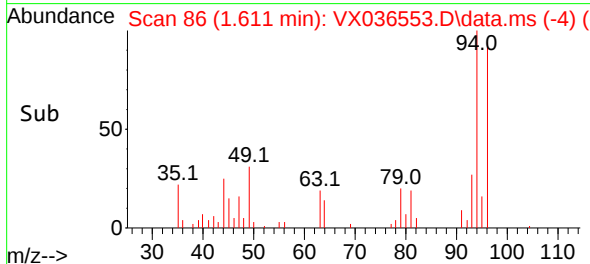
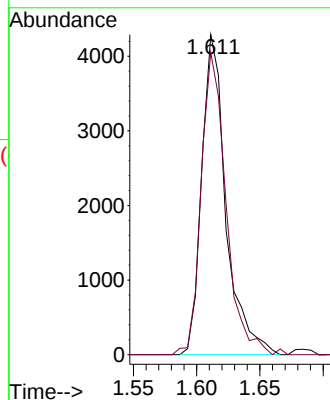
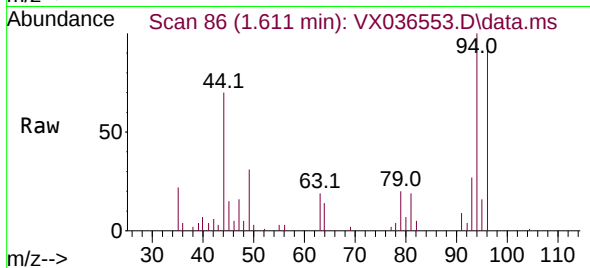
96 92.6 77.4 116.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/17/2023

Supervised By :Semsettin Yesilyurt 07/17/2023



#6

Chloroethane

Concen: 2.204 ug/l

RT: 1.684 min Scan# 98

Delta R.T. -0.000 min

Lab File: VX036553.D

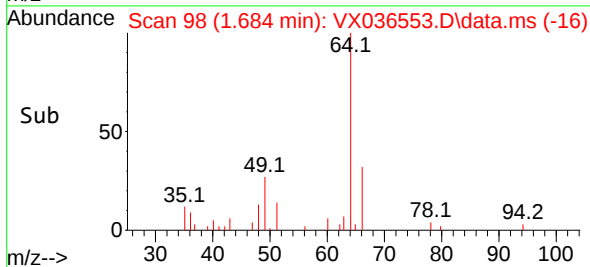
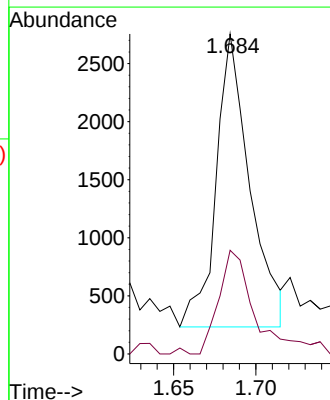
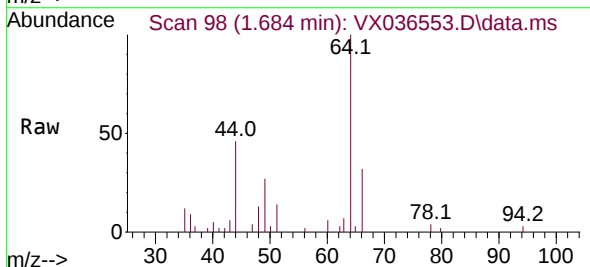
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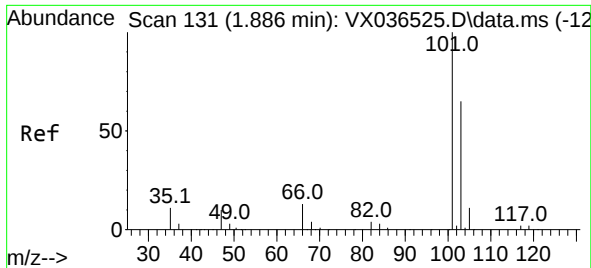
Tgt Ion: 64 Resp: 3601

Ion Ratio Lower Upper

64 100

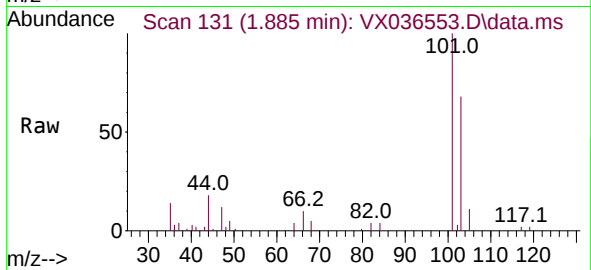
66 33.4 23.1 34.7





#7
 Trichlorofluoromethane
 Concen: 2.004 ug/l
 RT: 1.885 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VX036553.D
 Acq: 14 Jul 2023 10:57

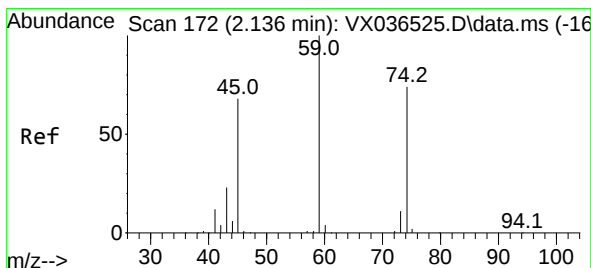
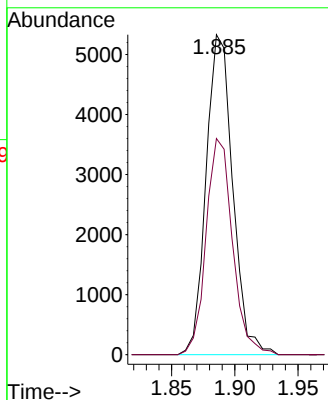
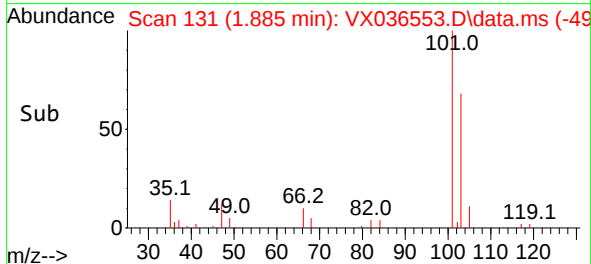
Instrument : MSVOA_X
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Tgt Ion:101 Resp: 780
 Ion Ratio Lower Upper
 101 100
 103 67.5 52.2 78.2

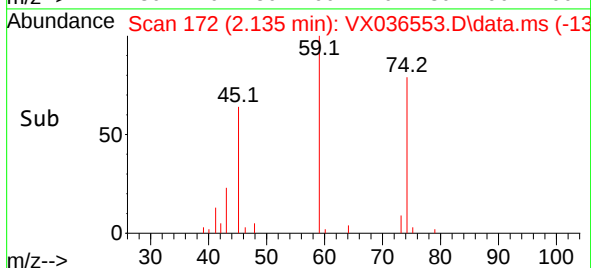
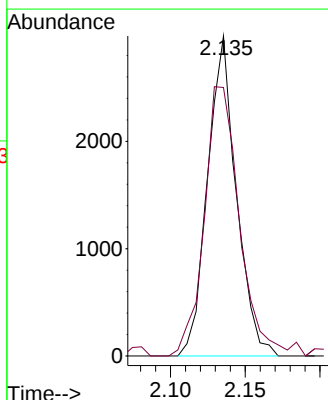
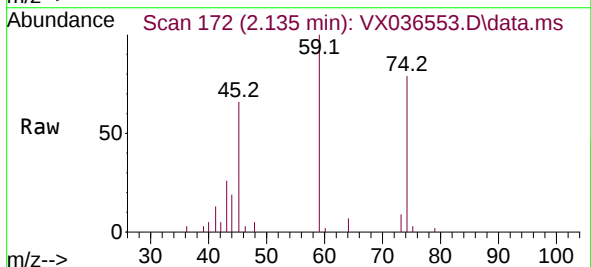
Manual Integrations
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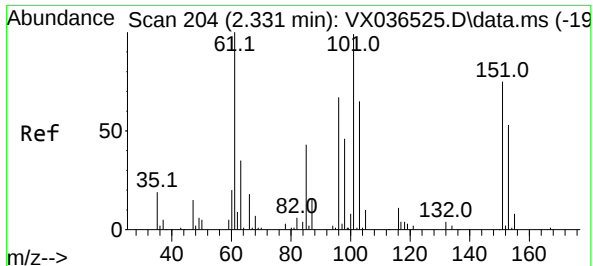
Reviewed By :John Carlone 07/17/2023
 Supervised By :Semsettin Yesilyurt 07/17/2023



#8
 Diethyl Ether
 Concen: 2.462 ug/l
 RT: 2.135 min Scan# 172
 Delta R.T. -0.000 min
 Lab File: VX036553.D
 Acq: 14 Jul 2023 10:57

Tgt Ion: 74 Resp: 3984
 Ion Ratio Lower Upper
 74 100
 45 103.0 19.9 178.9





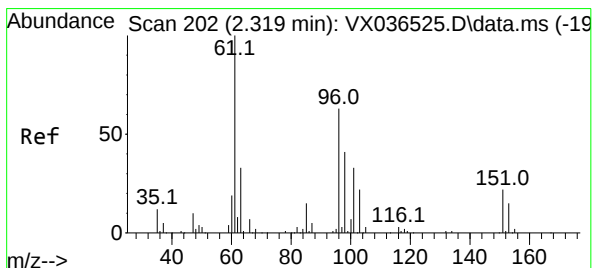
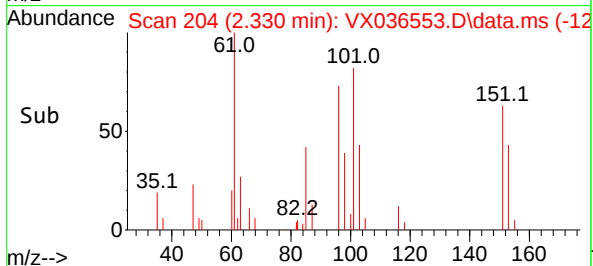
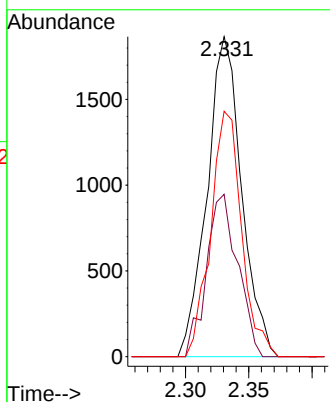
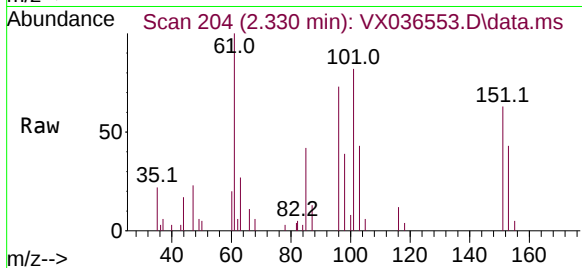
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1,1,2-Trichlorotrifluoroethane
Concen: 2.012 ug/l
RT: 2.330 min Scan# 204
Delta R.T. -0.000 min
Lab File: VX036553.D
Acq: 14 Jul 2023 10:57

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT3-2023

Tgt Ion:101 Resp: 354
Ion Ratio Lower Upper
101 100
85 46.0 0.0 91.0
151 68.5 0.0 155.4

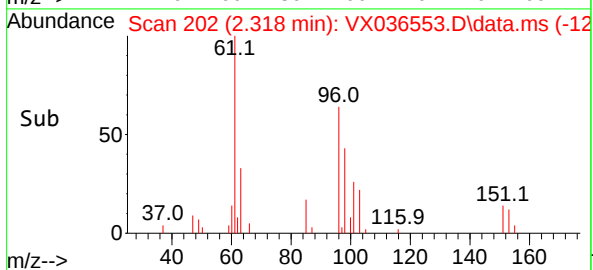
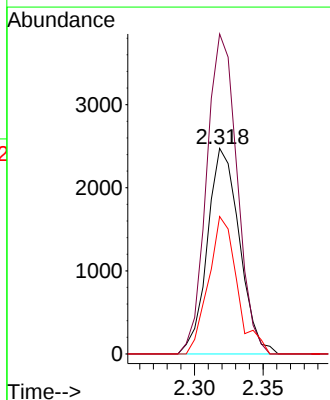
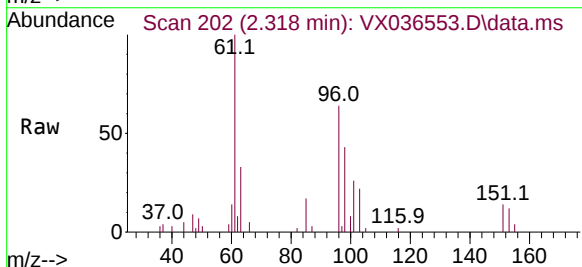
Manual Integrations
APPROVED

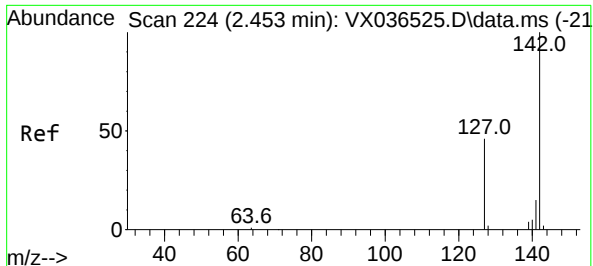
Reviewed By :John Carlone 07/17/2023
Supervised By :Semsettin Yesilyurt 07/17/2023



#10
1,1-Dichloroethene
Concen: 2.260 ug/l
RT: 2.318 min Scan# 202
Delta R.T. -0.000 min
Lab File: VX036553.D
Acq: 14 Jul 2023 10:57

Tgt Ion: 96 Resp: 4027
Ion Ratio Lower Upper
96 100
61 155.7 127.2 190.8
98 66.9 52.7 79.1





#11

Methyl Iodide

Concen: 1.740 ug/l

RT: 2.452 min Scan# 21

Delta R.T. -0.000 min

Lab File: VX036553.D

Acq: 14 Jul 2023 10:57

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT3-2023

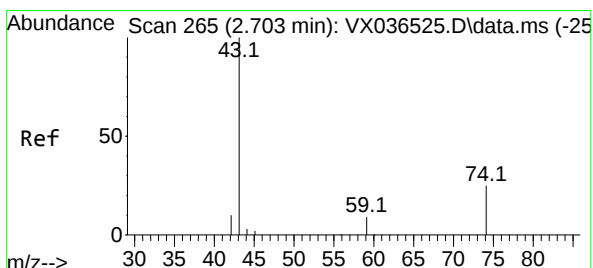
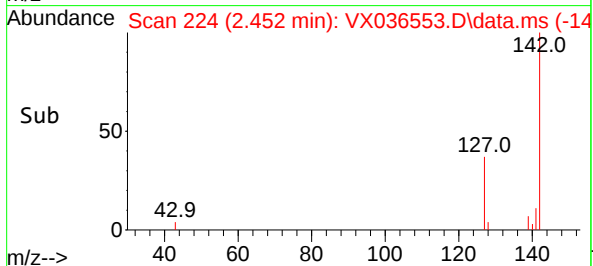
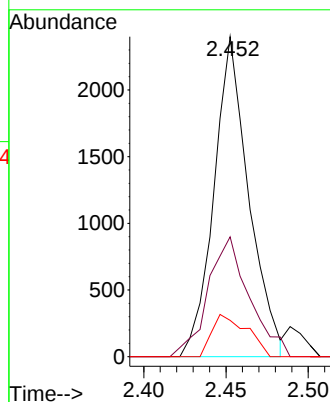
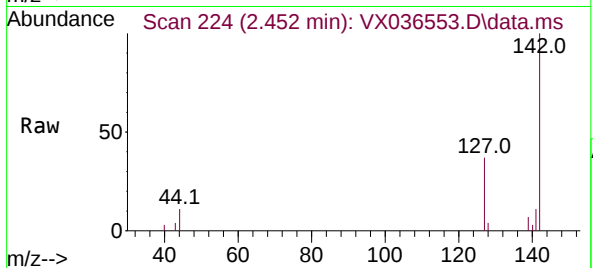
Tgt Ion:	142	Resp:	353
Ion	Ratio	Lower	Upper
142	100		
127	33.8	22.9	68.8
141	11.7	7.5	22.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/17/2023

Supervised By :Semsettin Yesilyurt 07/17/2023



#12

Methyl Acetate

Concen: 2.344 ug/l

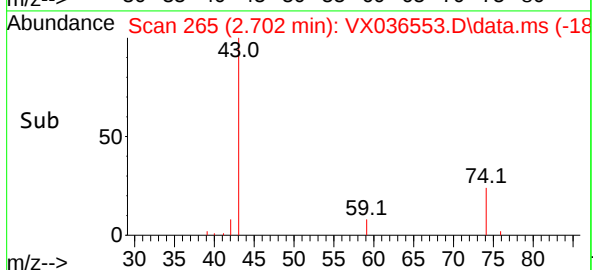
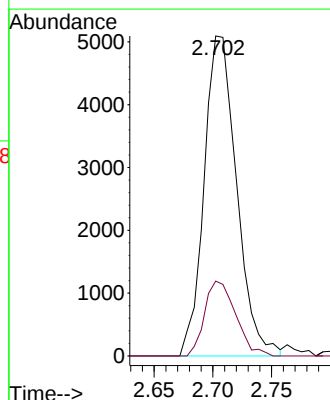
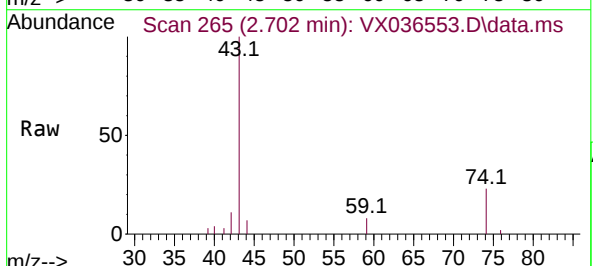
RT: 2.702 min Scan# 265

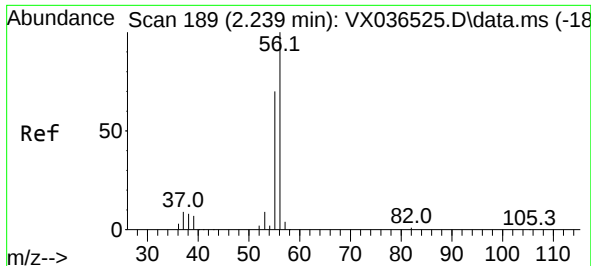
Delta R.T. -0.000 min

Lab File: VX036553.D

Acq: 14 Jul 2023 10:57

Tgt Ion:	43	Resp:	9819
Ion	Ratio	Lower	Upper
43	100		
74	23.6	20.3	30.5





#13

Acrolein

Concen: 9.677 ug/l

RT: 2.245 min Scan# 189

Delta R.T. 0.006 min

Lab File: VX036553.D

Acq: 14 Jul 2023 10:57

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT3-2023

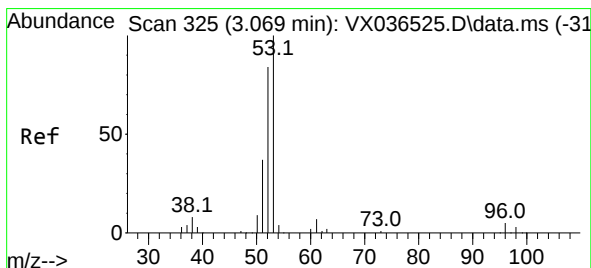
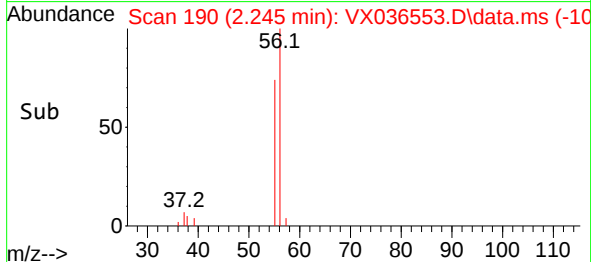
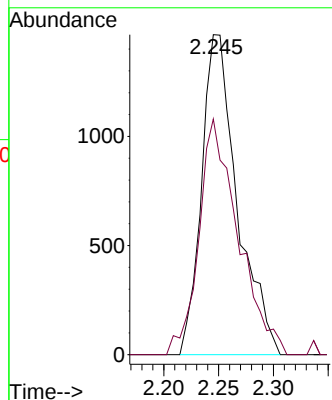
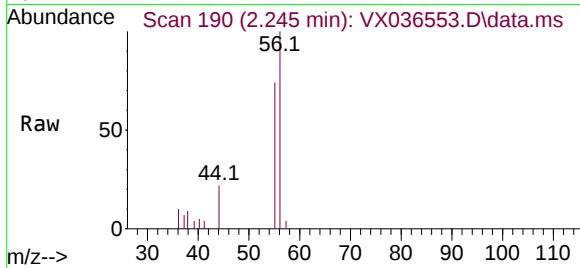
Tgt Ion: 56 Resp: 3325
 Ion Ratio Lower Upper
 56 100
 55 80.7 59.7 89.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/17/2023

Supervised By :Semsettin Yesilyurt 07/17/2023



#14

Acrylonitrile

Concen: 12.169 ug/l

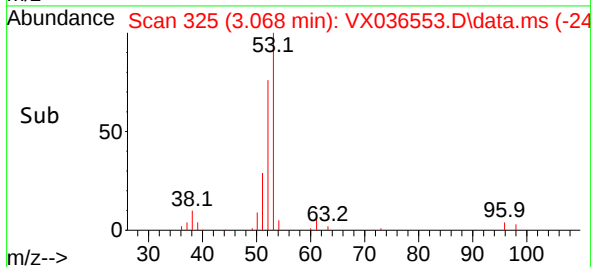
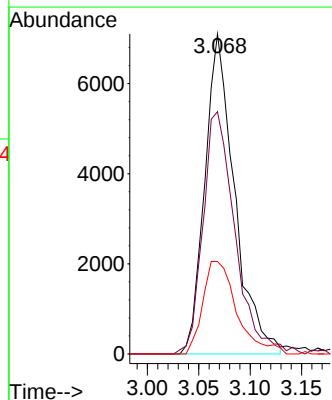
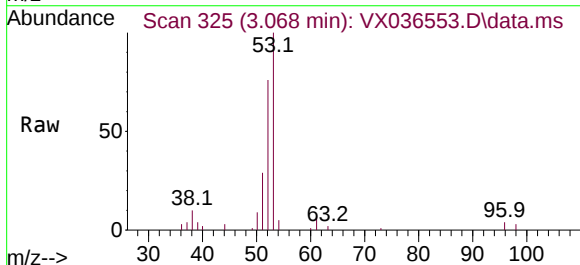
RT: 3.068 min Scan# 325

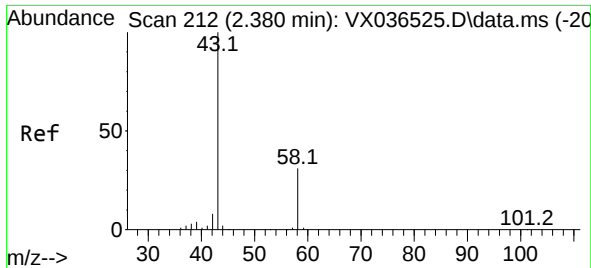
Delta R.T. -0.000 min

Lab File: VX036553.D

Acq: 14 Jul 2023 10:57

Tgt Ion: 53 Resp: 14288
 Ion Ratio Lower Upper
 53 100
 52 81.2 40.0 119.9
 51 33.0 18.2 54.6





#15

Acetone

Concen: 12.653 ug/l

RT: 2.385 min Scan# 212

Delta R.T. 0.006 min

Lab File: VX036553.D

Acq: 14 Jul 2023 10:57

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT3-2023

Tgt Ion: 58 Resp: 4200

Ion Ratio Lower Upper

58 100

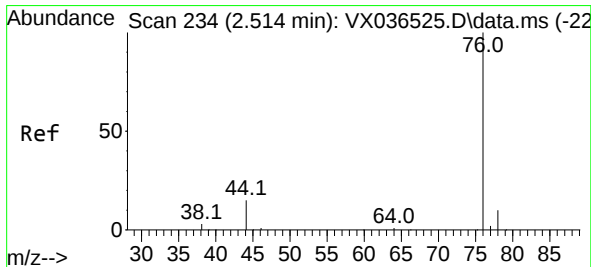
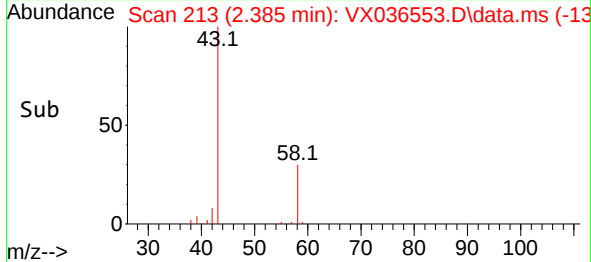
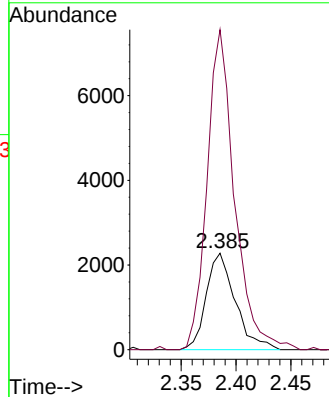
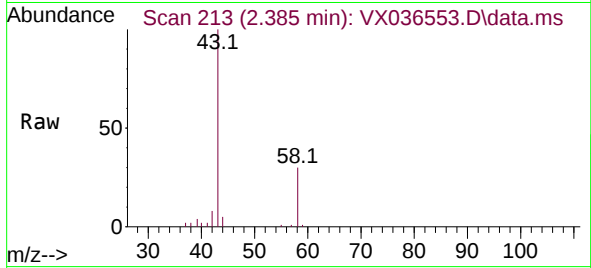
43 331.5 261.0 391.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/17/2023

Supervised By :Semsettin Yesilyurt 07/17/2023



#16

Carbon Disulfide

Concen: 2.193 ug/l

RT: 2.513 min Scan# 234

Delta R.T. -0.000 min

Lab File: VX036553.D

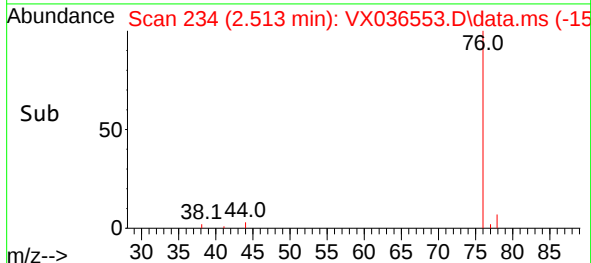
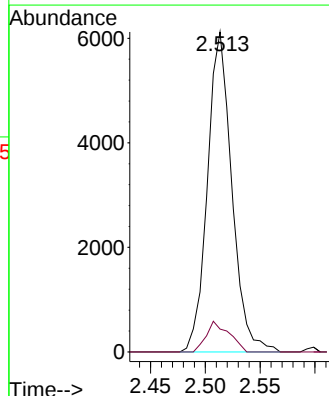
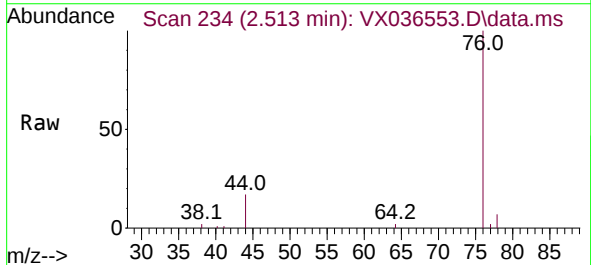
Acq: 14 Jul 2023 10:57

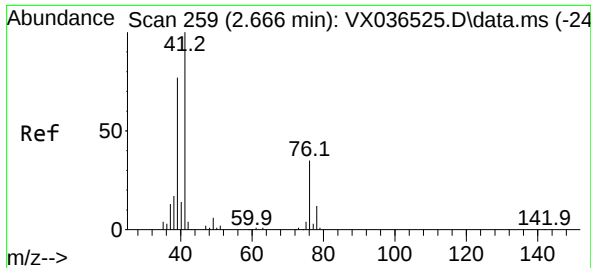
Tgt Ion: 76 Resp: 9483

Ion Ratio Lower Upper

76 100

78 7.1 8.0 12.0#





#17

Allyl chloride

Concen: 2.020 ug/l

RT: 2.666 min Scan# 259

Delta R.T. -0.000 min

Lab File: VX036553.D

Acq: 14 Jul 2023 10:57

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT3-2023

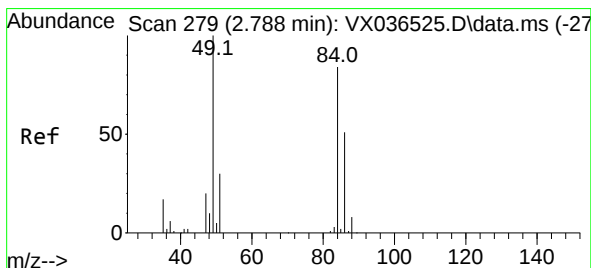
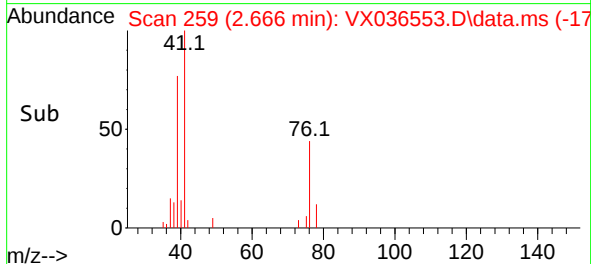
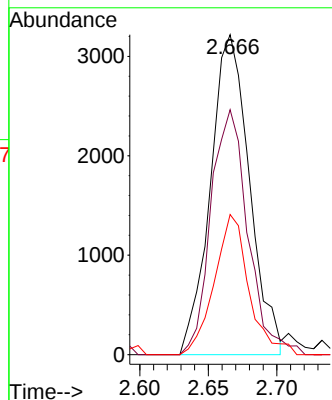
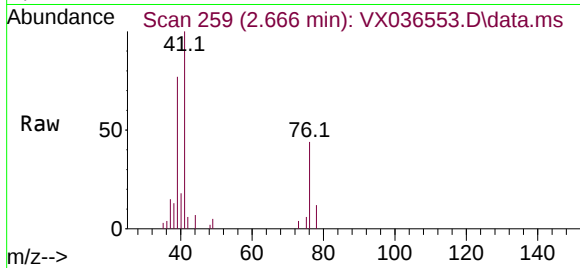
Tgt Ion: 41	Resp: 6380
Ion Ratio	Lower Upper
41	100
39	76.6 38.5 115.3
76	43.8 18.6 55.8

Manual Integrations

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Reviewed By :John Carlone 07/17/2023

Supervised By :Semsettin Yesilyurt 07/17/2023



#18

Methylene Chloride

Concen: 2.363 ug/l

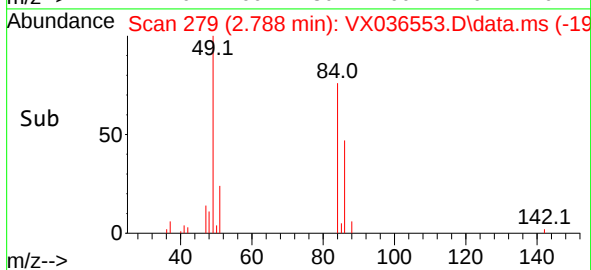
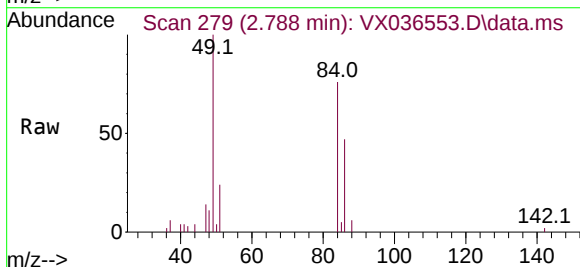
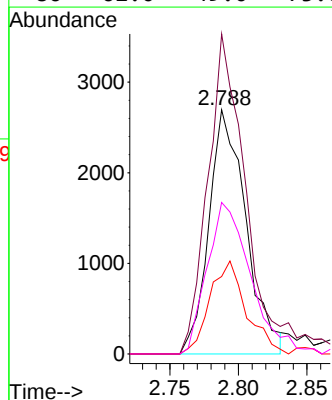
RT: 2.788 min Scan# 279

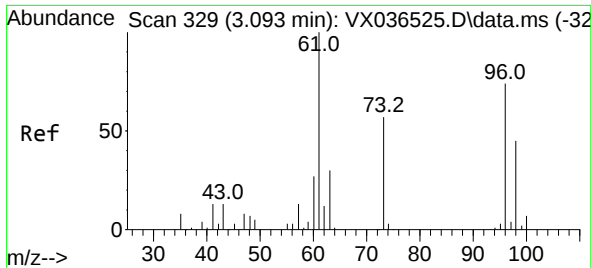
Delta R.T. -0.000 min

Lab File: VX036553.D

Acq: 14 Jul 2023 10:57

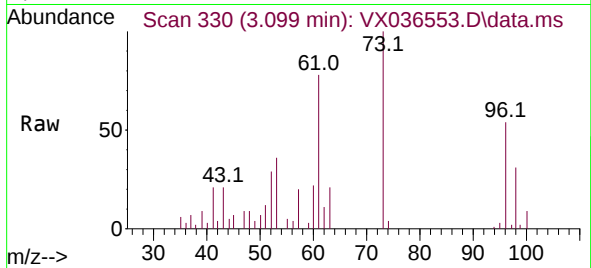
Tgt Ion: 84	Resp: 5070
Ion Ratio	Lower Upper
84	100
49	131.1 95.4 143.0
51	31.7 28.3 42.5
86	62.0 49.0 73.6





#19
trans-1,2-Dichloroethene
Concen: 2.118 ug/l
RT: 3.099 min Scan# 311
Delta R.T. 0.006 min
Lab File: VX036553.D
Acq: 14 Jul 2023 10:57

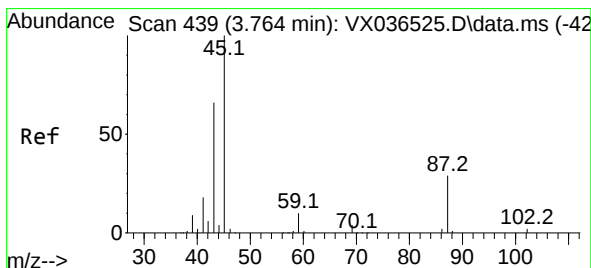
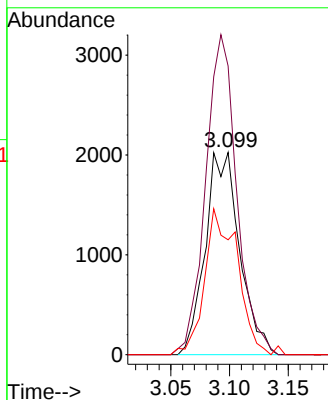
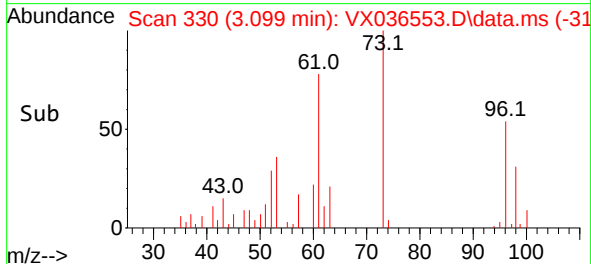
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT3-2023



Tgt Ion: 96 Resp: 4120
Ion Ratio Lower Upper
96 100
61 142.7 108.7 163.1
98 53.7 49.1 73.7

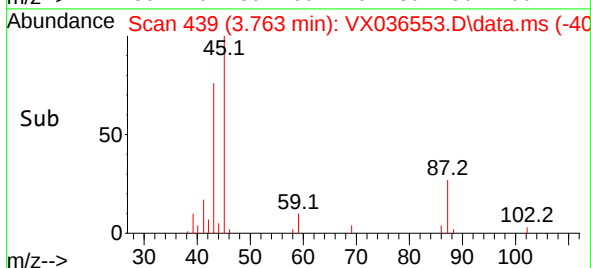
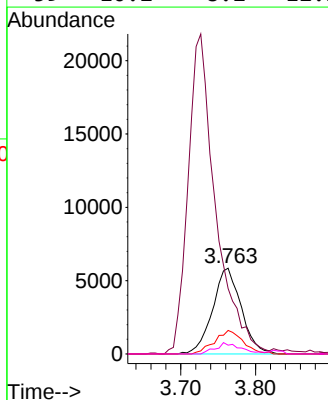
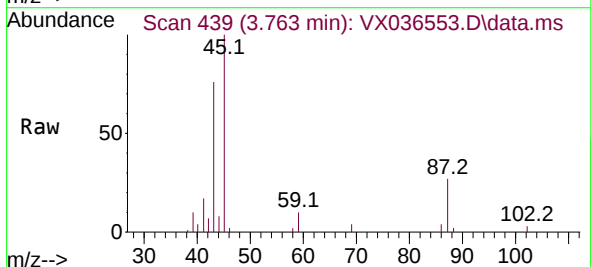
Manual Integrations
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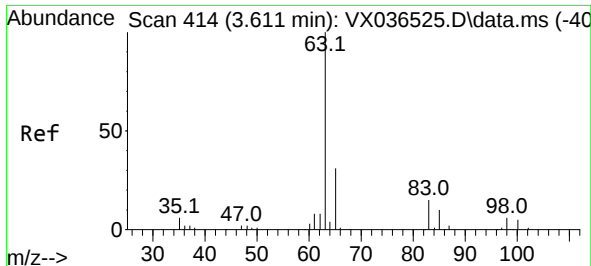
Reviewed By :John Carlone 07/17/2023
Supervised By :Semsettin Yesilyurt 07/17/2023



#20
Diisopropyl ether
Concen: 2.419 ug/l
RT: 3.763 min Scan# 439
Delta R.T. -0.000 min
Lab File: VX036553.D
Acq: 14 Jul 2023 10:57

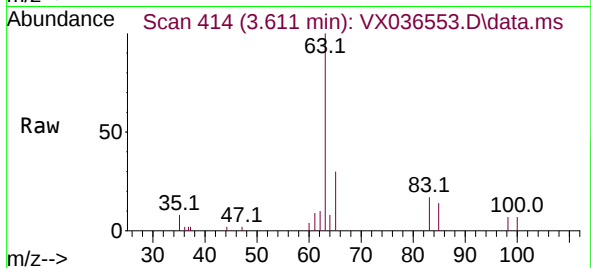
Tgt Ion: 45 Resp: 15586
Ion Ratio Lower Upper
45 100
43 71.8 55.8 83.6
87 27.4 23.0 34.4
59 10.2 8.2 12.2





#21
1,1-Dichloroethane
Concen: 2.215 ug/l
RT: 3.611 min Scan# 414
Delta R.T. -0.000 min
Lab File: VX036553.D
Acq: 14 Jul 2023 10:57

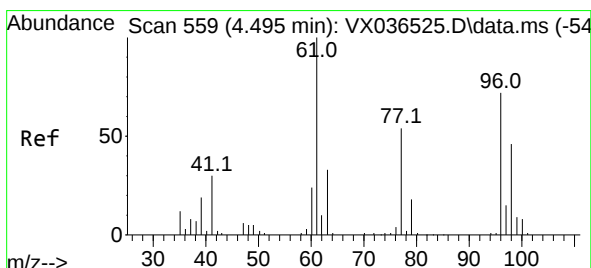
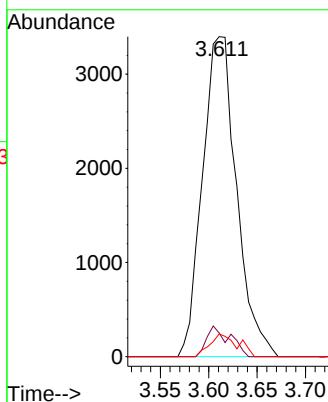
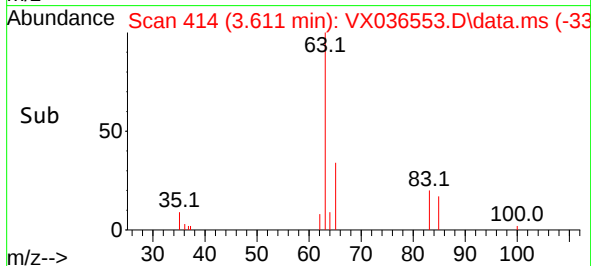
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT3-2023



Tgt Ion: 63 Resp: 832
Ion Ratio Lower Upper
63 100
98 7.4 3.2 9.6
100 7.1 2.3 6.8

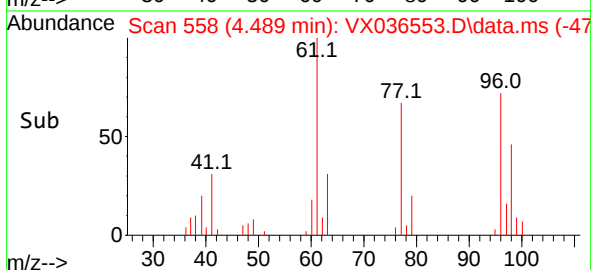
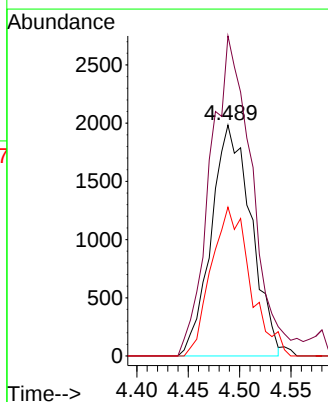
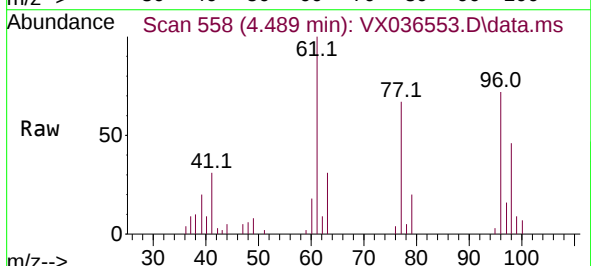
Manual Integrations
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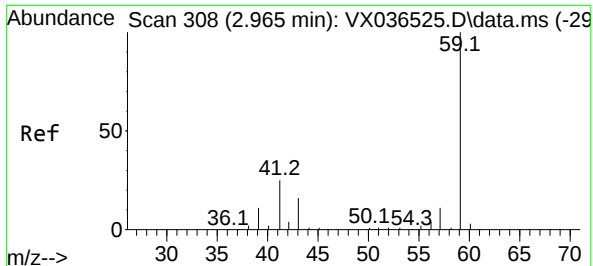
Reviewed By :John Carlone 07/17/2023
Supervised By :Semsettin Yesilyurt 07/17/2023



#22
cis-1,2-Dichloroethene
Concen: 2.286 ug/l
RT: 4.489 min Scan# 558
Delta R.T. -0.006 min
Lab File: VX036553.D
Acq: 14 Jul 2023 10:57

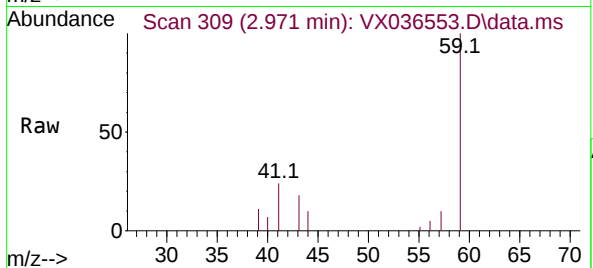
Tgt Ion: 96 Resp: 5359
Ion Ratio Lower Upper
96 100
61 145.5 114.0 171.0
98 61.4 51.6 77.4





#23
tert-Butyl Alcohol
Concen: 10.744 ug/l
RT: 2.971 min Scan# 308
Delta R.T. 0.006 min
Lab File: VX036553.D
Acq: 14 Jul 2023 10:57

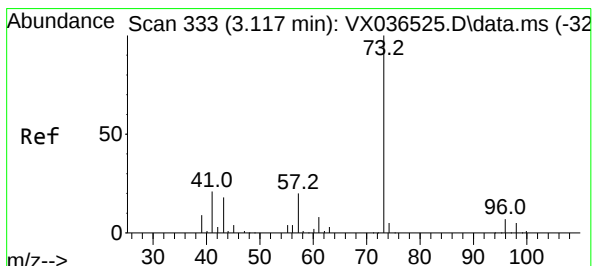
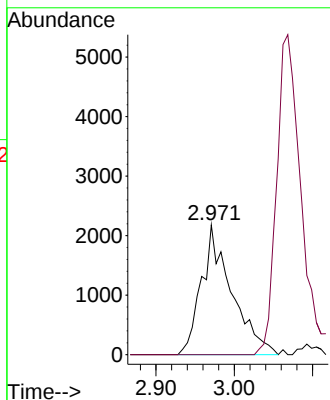
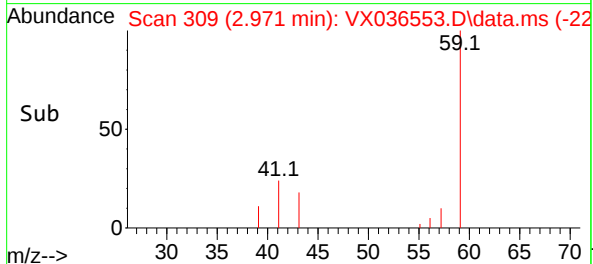
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT3-2023



Tgt Ion: 59 Resp: 5858
Ion Ratio Lower Upper
59 100
52 0.0 142.6 213.8

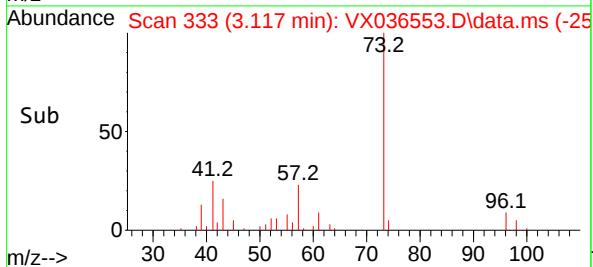
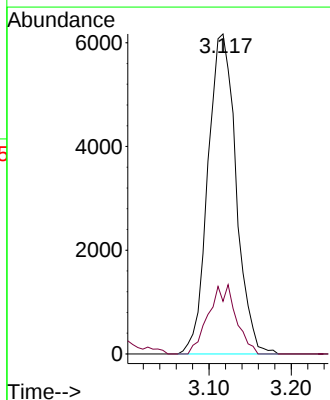
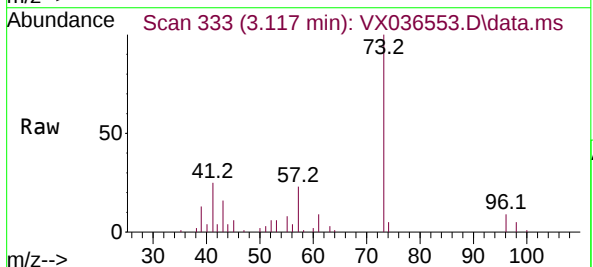
Manual Integrations
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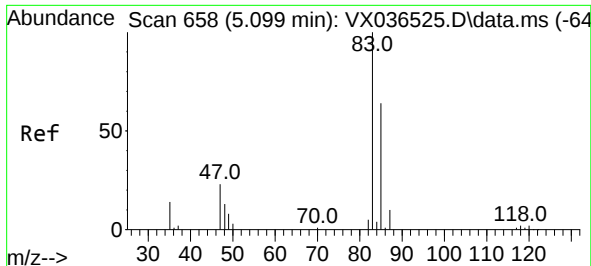
Reviewed By :John Carlone 07/17/2023
Supervised By :Semsettin Yesilyurt 07/17/2023



#24
Methyl tert-Butyl Ether
Concen: 2.270 ug/l
RT: 3.117 min Scan# 333
Delta R.T. -0.000 min
Lab File: VX036553.D
Acq: 14 Jul 2023 10:57

Tgt Ion: 73 Resp: 14709
Ion Ratio Lower Upper
73 100
43 21.1 16.8 25.2





#25

Chloroform

Concen: 2.369 ug/l

RT: 5.092 min Scan# 61

Delta R.T. -0.006 min

Lab File: VX036553.D

Acq: 14 Jul 2023 10:57

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT3-2023

Tgt Ion: 83 Resp: 9200

Ion Ratio Lower Upper

83 100

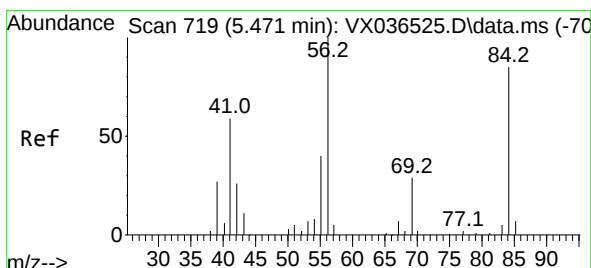
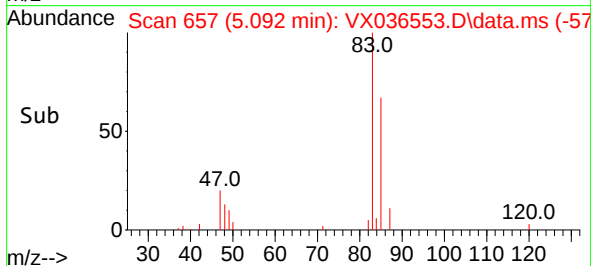
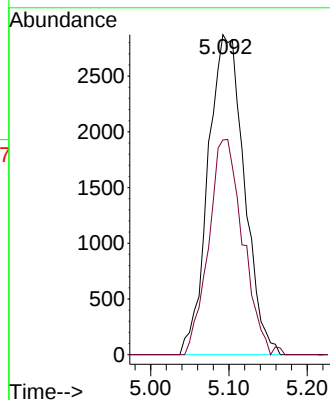
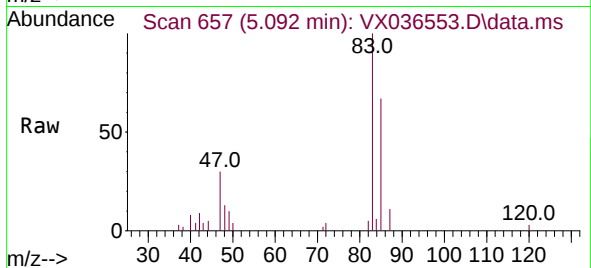
85 67.1 51.5 77.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/17/2023

Supervised By :Semsettin Yesilyurt 07/17/2023



#26

Cyclohexane

Concen: 1.892 ug/l

RT: 5.464 min Scan# 718

Delta R.T. -0.006 min

Lab File: VX036553.D

Acq: 14 Jul 2023 10:57

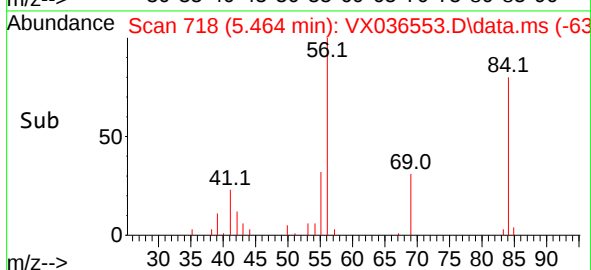
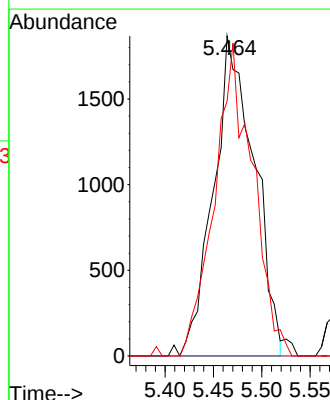
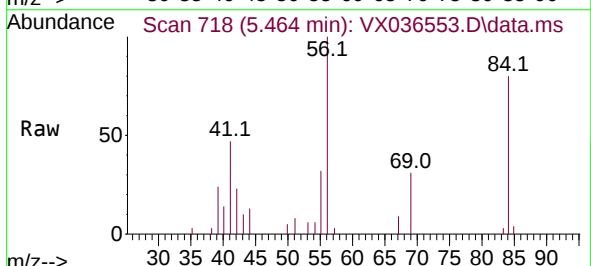
Tgt Ion: 56 Resp: 5452

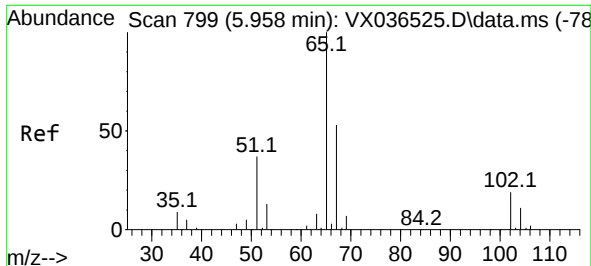
Ion Ratio Lower Upper

56 100

89 0.0 0.0 0.0

84 92.1 71.4 107.2





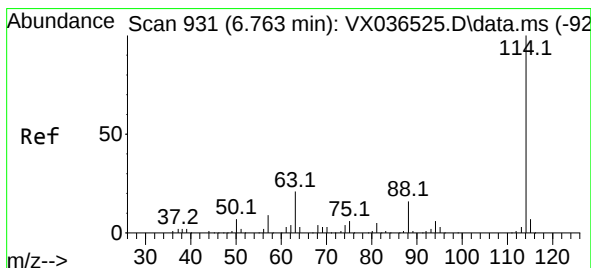
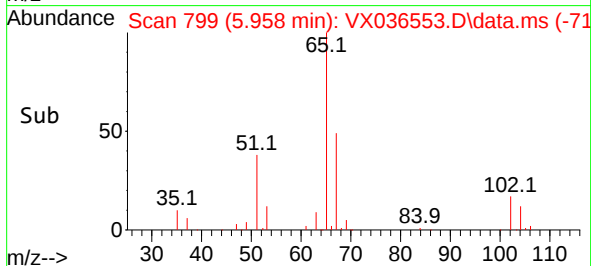
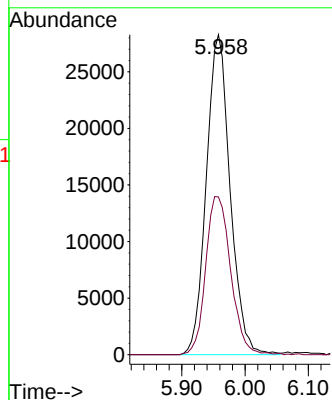
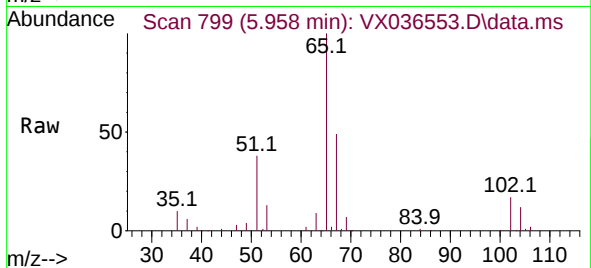
#27
1,2-Dichloroethane-d4
Concen: 29.326 ug/l
RT: 5.958 min Scan# 799
Delta R.T. -0.000 min
Lab File: VX036553.D
Acq: 14 Jul 2023 10:57

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT3-2023

Tgt Ion: 65 Resp: 74110
Ion Ratio Lower Upper
65 100
67 51.5 42.1 63.1

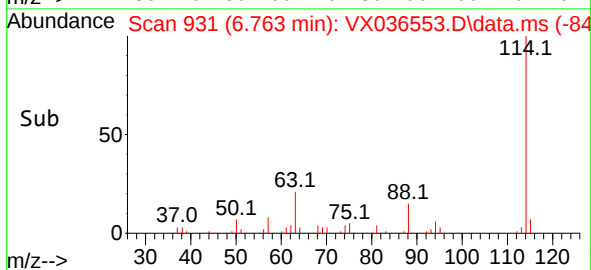
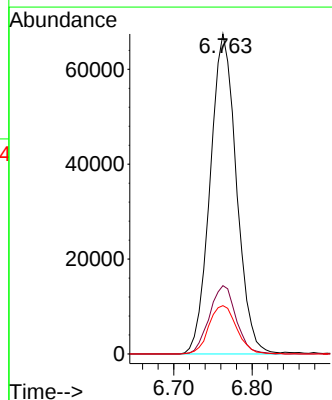
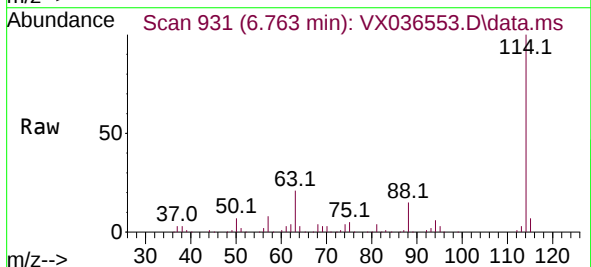
Manual Integrations
APPROVED

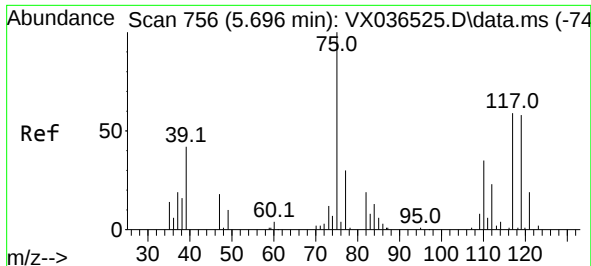
Reviewed By :John Carlone 07/17/2023
Supervised By :Semsettin Yesilyurt 07/17/2023



#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 6.763 min Scan# 931
Delta R.T. -0.000 min
Lab File: VX036553.D
Acq: 14 Jul 2023 10:57

Tgt Ion:114 Resp: 157447
Ion Ratio Lower Upper
114 100
63 21.7 16.6 24.8
88 16.0 12.9 19.3





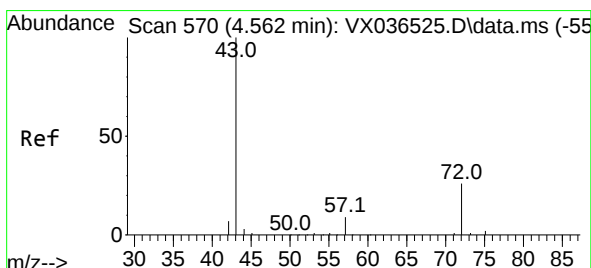
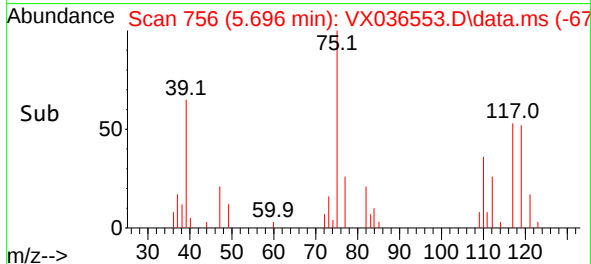
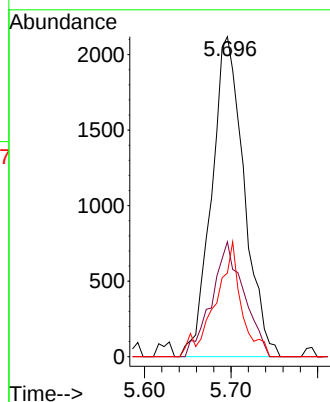
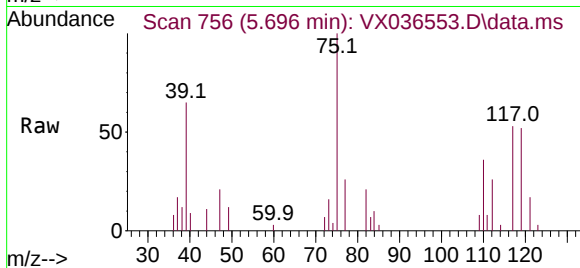
#29
1,1-Dichloropropene
Concen: 2.323 ug/l
RT: 5.696 min Scan# 756
Delta R.T. -0.000 min
Lab File: VX036553.D
Acq: 14 Jul 2023 10:57

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT3-2023

Tgt Ion: 75 Resp: 551
Ion Ratio Lower Upper
75 100
110 35.6 0.0 70.4
77 22.1 0.0 62.8

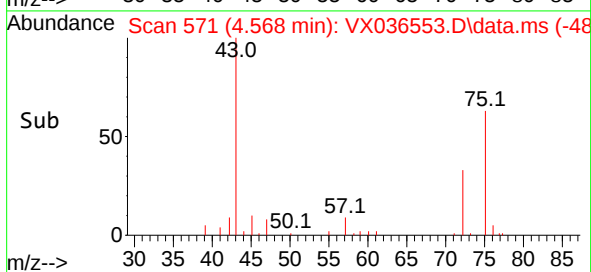
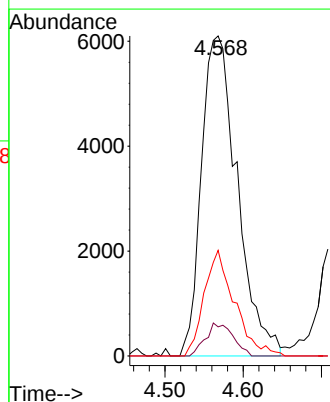
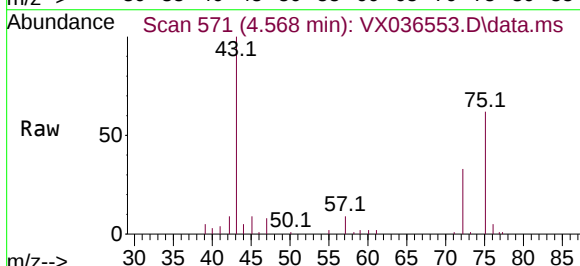
Manual Integrations
APPROVED

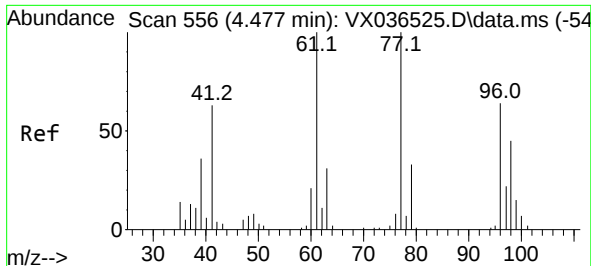
Reviewed By :John Carlone 07/17/2023
Supervised By :Semsettin Yesilyurt 07/17/2023



#30
2-Butanone
Concen: 12.967 ug/l
RT: 4.568 min Scan# 571
Delta R.T. 0.006 min
Lab File: VX036553.D
Acq: 14 Jul 2023 10:57

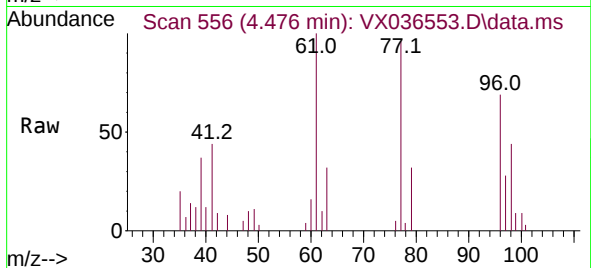
Tgt Ion: 43 Resp: 19385
Ion Ratio Lower Upper
43 100
57 7.8 6.4 9.6
72 27.3 21.6 32.4





#31
2,2-Dichloropropane
Concen: 2.312 ug/l
RT: 4.476 min Scan# 501
Delta R.T. -0.000 min
Lab File: VX036553.D
Acq: 14 Jul 2023 10:57

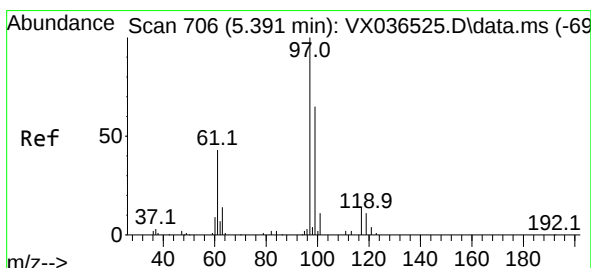
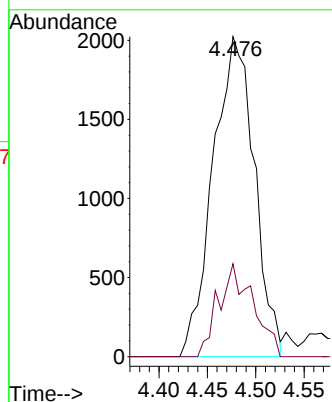
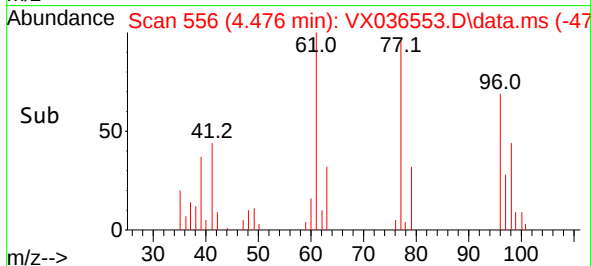
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT3-2023



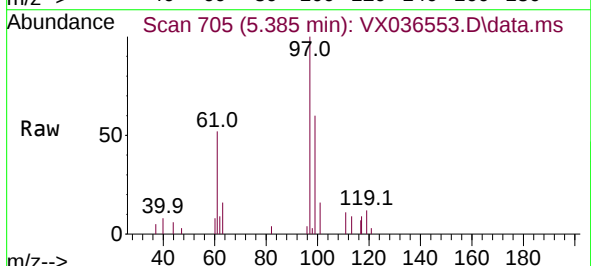
Tgt Ion: 77 Resp: 6019
Ion Ratio Lower Upper
77 100
97 8.7 18.6 27.8

Manual Integrations
APPROVED

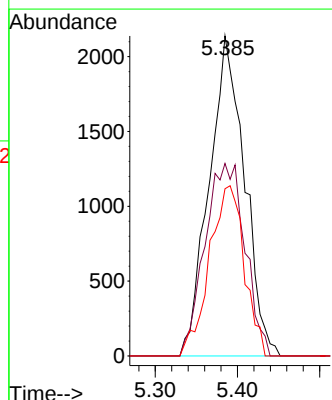
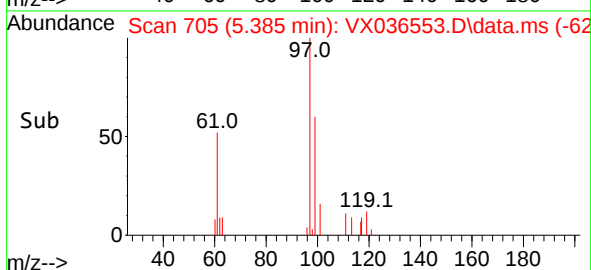
Reviewed By :John Carlone 07/17/2023
Supervised By :Semsettin Yesilyurt 07/17/2023

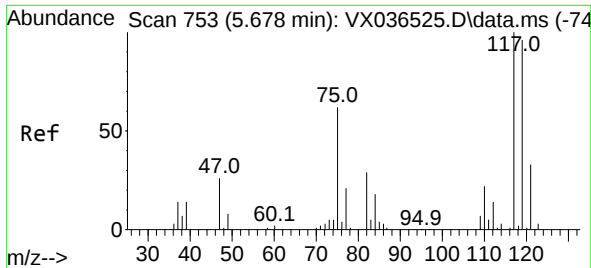


#32
1,1,1-Trichloroethane
Concen: 2.266 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.006 min
Lab File: VX036553.D
Acq: 14 Jul 2023 10:57



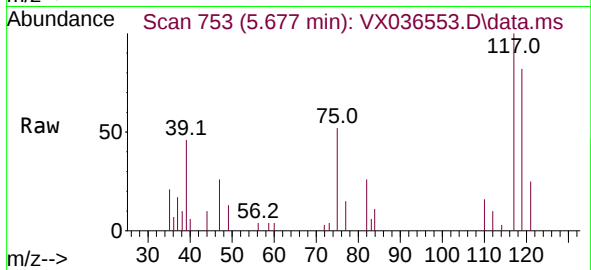
Tgt Ion: 97 Resp: 6392
Ion Ratio Lower Upper
97 100
99 44.6 51.5 77.3#
61 52.4 35.8 53.8





#33
Carbon Tetrachloride
Concen: 2.178 ug/l
RT: 5.677 min Scan# 753
Delta R.T. -0.000 min
Lab File: VX036553.D
Acq: 14 Jul 2023 10:57

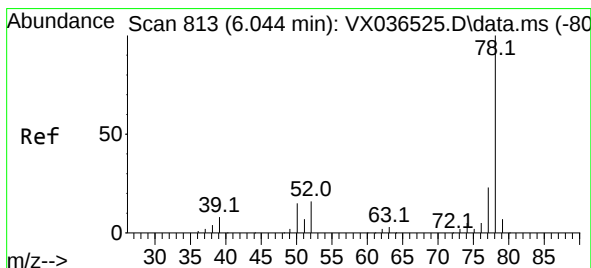
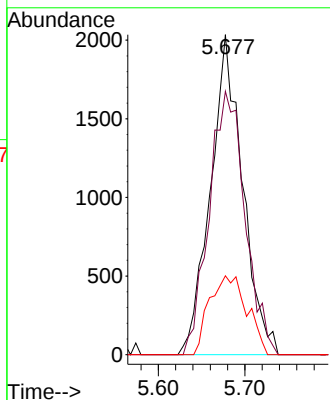
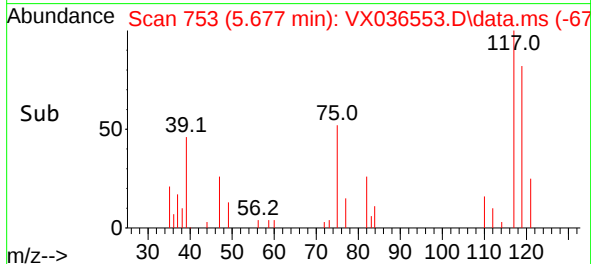
Instrument : MSVOA_X
ClientSampleId : MDL-WATER-03-QT3-2023



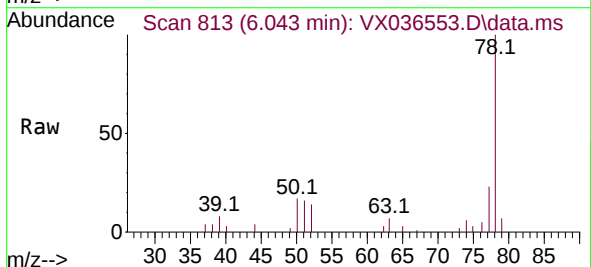
Tgt Ion: 117 Resp: 524
Ion Ratio Lower Upper
117 100
119 82.3 76.6 115.0
121 24.7 26.5 39.7

Manual Integrations
APPROVED

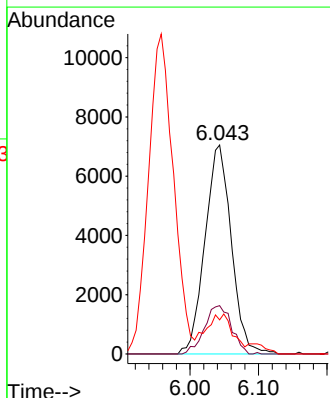
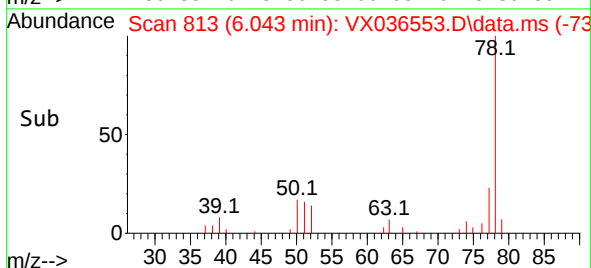
Reviewed By :John Carlone 07/17/2023
Supervised By :Semsettin Yesilyurt 07/17/2023

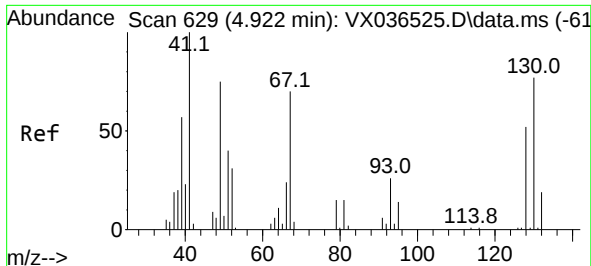


#34
Benzene
Concen: 2.574 ug/l
RT: 6.043 min Scan# 813
Delta R.T. -0.000 min
Lab File: VX036553.D
Acq: 14 Jul 2023 10:57



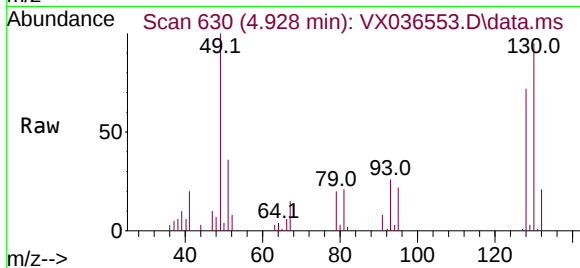
Tgt Ion: 78 Resp: 18834
Ion Ratio Lower Upper
78 100
77 23.1 18.7 28.1
51 16.3 14.2 21.4





#35
Methacrylonitrile
Concen: 2.526 ug/l m
RT: 4.928 min Scan# 61
Delta R.T. 0.006 min
Lab File: VX036553.D
Acq: 14 Jul 2023 10:57

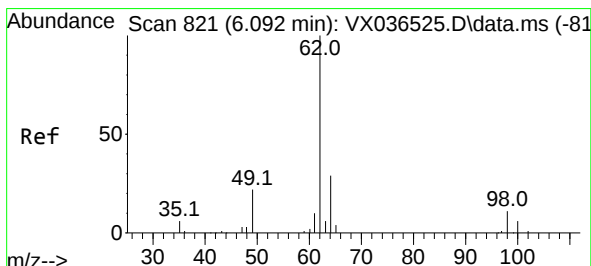
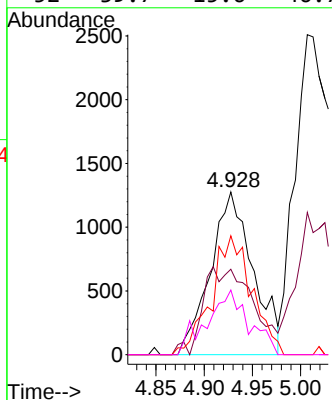
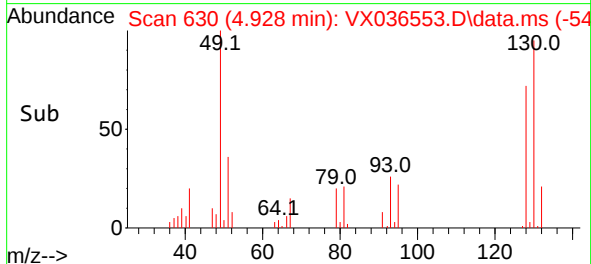
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT3-2023



Tgt Ion: 41 Resp: 3918
Ion Ratio Lower Upper
41 100
39 52.5 28.2 84.7
67 73.1 35.0 105.1
52 39.7 15.6 46.7

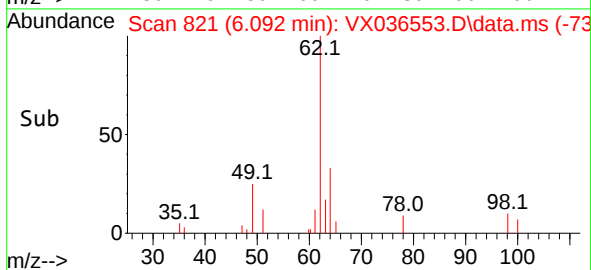
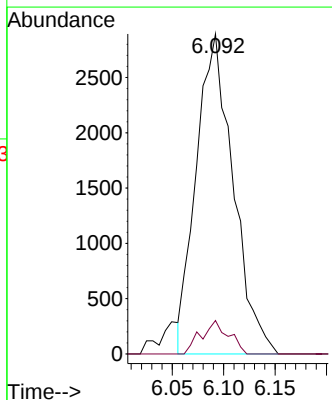
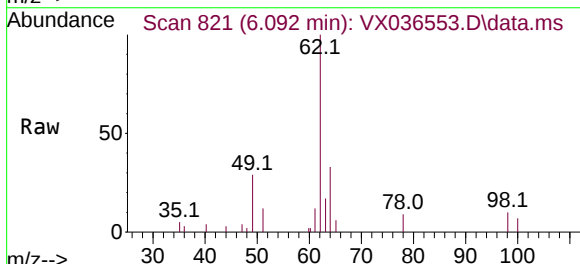
Manual Integrations
APPROVED

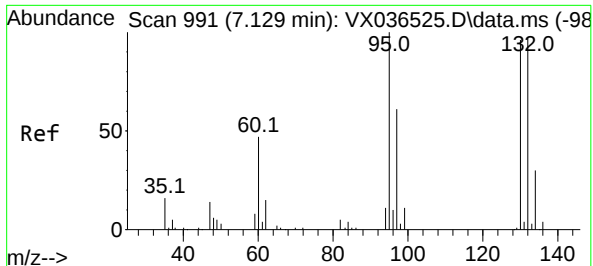
Reviewed By :John Carlone 07/17/2023
Supervised By :Semsettin Yesilyurt 07/17/2023



#36
1,2-Dichloroethane
Concen: 2.568 ug/l
RT: 6.092 min Scan# 821
Delta R.T. -0.000 min
Lab File: VX036553.D
Acq: 14 Jul 2023 10:57

Tgt Ion: 62 Resp: 7217
Ion Ratio Lower Upper
62 100
98 2.4 7.0 10.6#





#37

Trichloroethene

Concen: 2.486 ug/l

RT: 7.128 min Scan# 991

Delta R.T. -0.000 min

Lab File: VX036553.D

Acq: 14 Jul 2023 10:57

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT3-2023

Tgt Ion:130 Resp: 4788

Ion Ratio Lower Upper

130 100

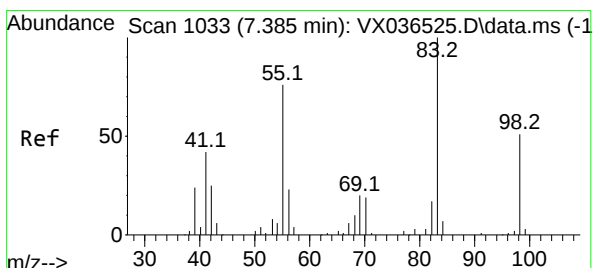
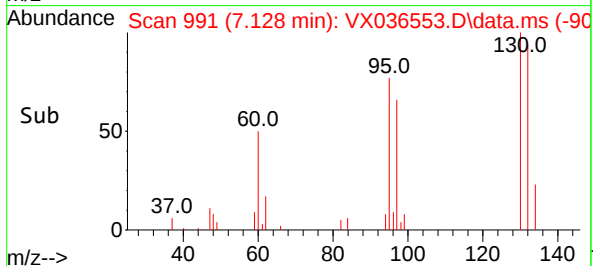
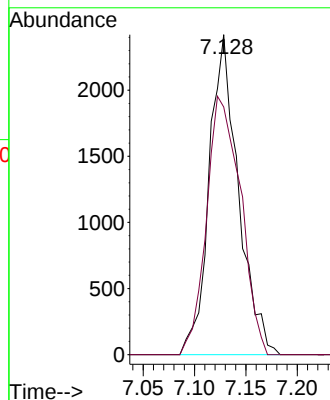
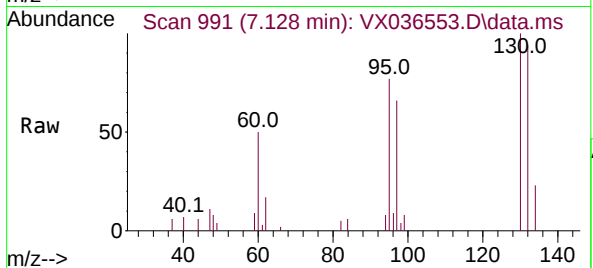
95 77.4 83.2 124.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/17/2023

Supervised By :Semsettin Yesilyurt 07/17/2023



#38

Methylcyclohexane

Concen: 2.073 ug/l

RT: 7.378 min Scan# 1032

Delta R.T. -0.006 min

Lab File: VX036553.D

Acq: 14 Jul 2023 10:57

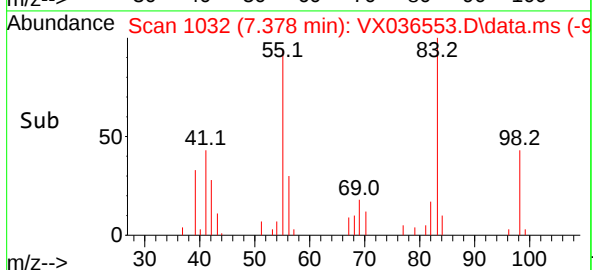
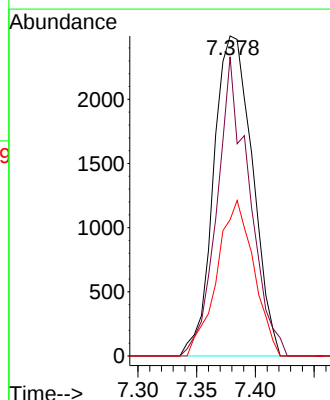
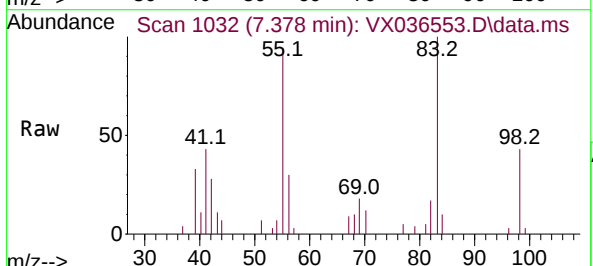
Tgt Ion: 83 Resp: 5727

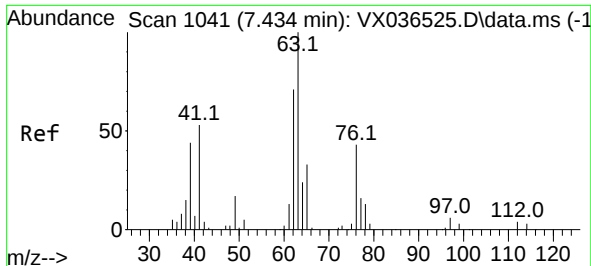
Ion Ratio Lower Upper

83 100

55 77.7 38.1 114.5

98 46.2 24.4 73.4





#39

1,2-Dichloropropane

Concen: 2.530 ug/l

RT: 7.433 min Scan# 1041

Delta R.T. -0.000 min

Lab File: VX036553.D

Acq: 14 Jul 2023 10:57

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT3-2023

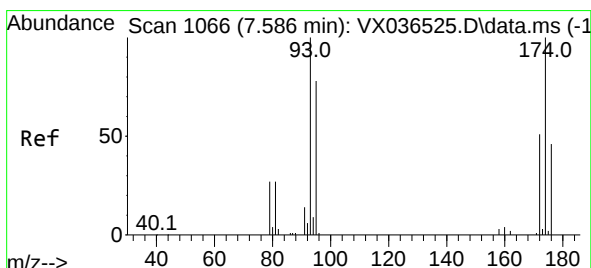
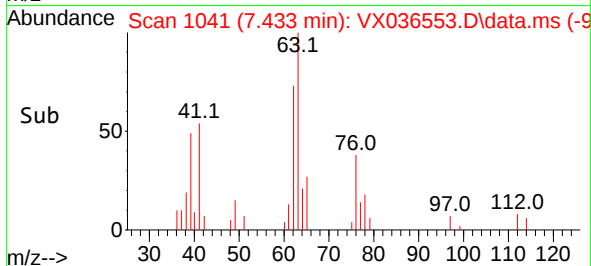
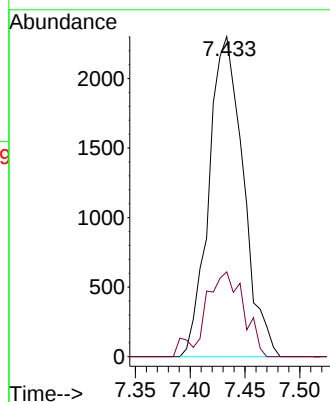
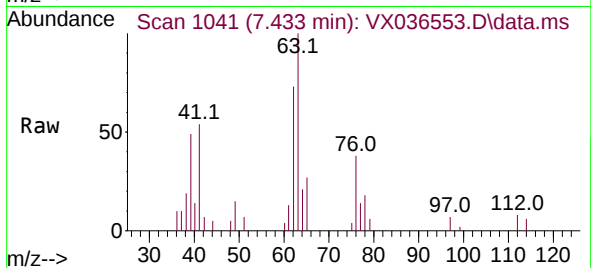
Tgt Ion: 63 Resp: 5019
 Ion Ratio Lower Upper
 63 100
 65 26.5 26.4 39.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/17/2023

Supervised By :Semsettin Yesilyurt 07/17/2023



#40

Dibromomethane

Concen: 2.558 ug/l

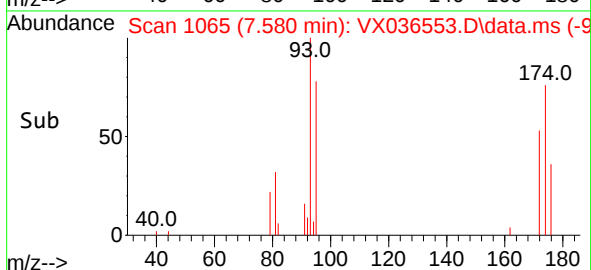
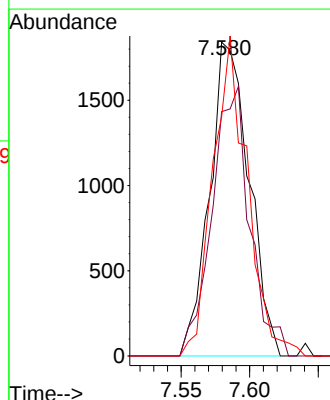
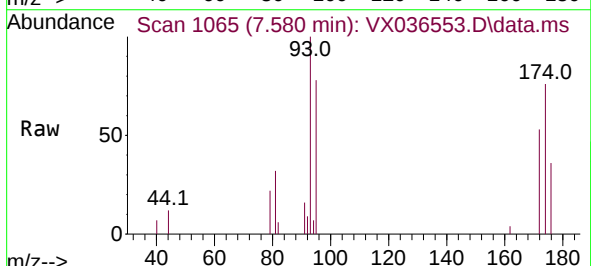
RT: 7.580 min Scan# 1065

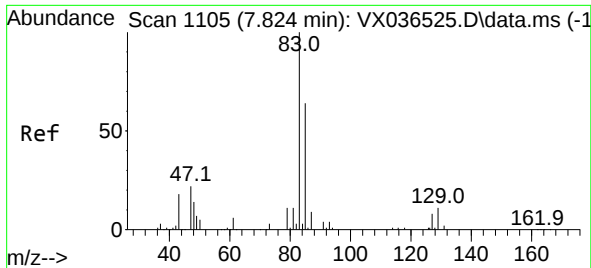
Delta R.T. -0.006 min

Lab File: VX036553.D

Acq: 14 Jul 2023 10:57

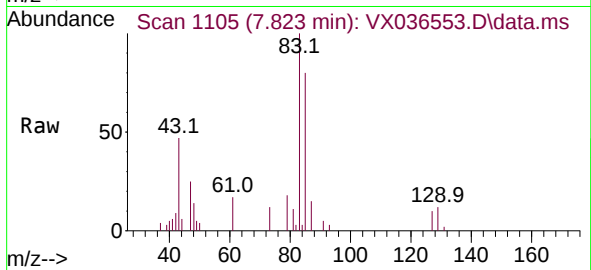
Tgt Ion: 93 Resp: 3676
 Ion Ratio Lower Upper
 93 100
 95 80.7 0.0 166.8
 174 89.6 0.0 191.6





#41
Bromodichloromethane
Concen: 2.433 ug/l
RT: 7.823 min Scan# 1105
Delta R.T. -0.000 min
Lab File: VX036553.D
Acq: 14 Jul 2023 10:57

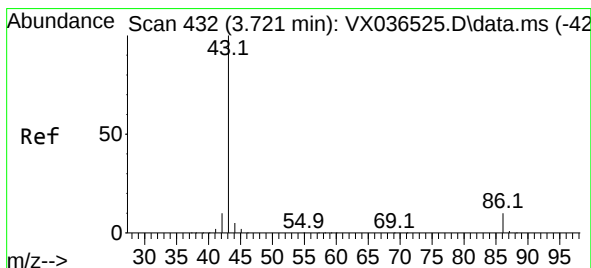
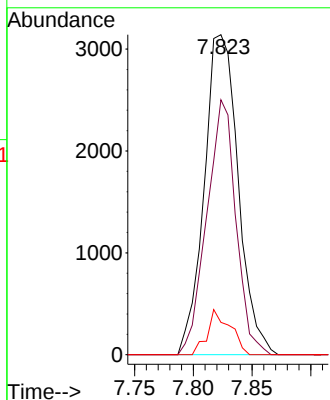
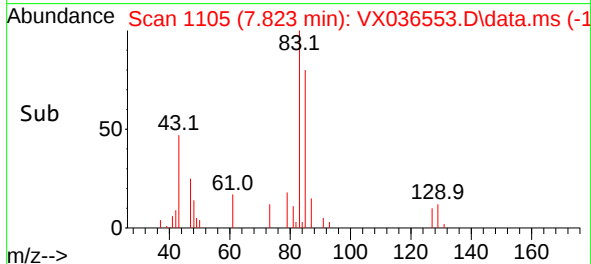
Instrument : MSVOA_X
ClientSampleId : MDL-WATER-03-QT3-2023



Tgt Ion: 83 Resp: 6340
Ion Ratio Lower Upper
83 100
85 79.6 51.5 77.3
127 10.1 6.4 9.6

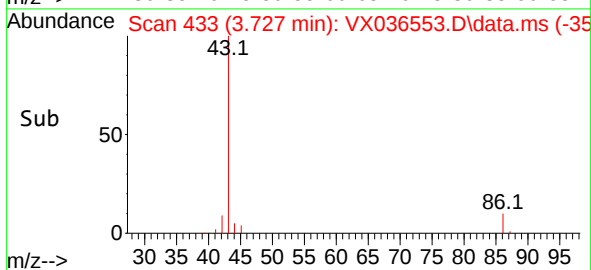
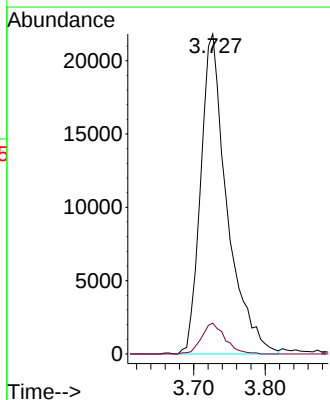
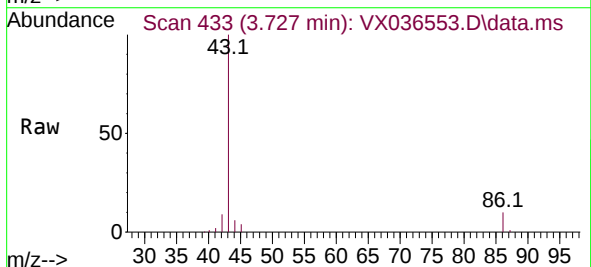
Manual Integrations
APPROVED

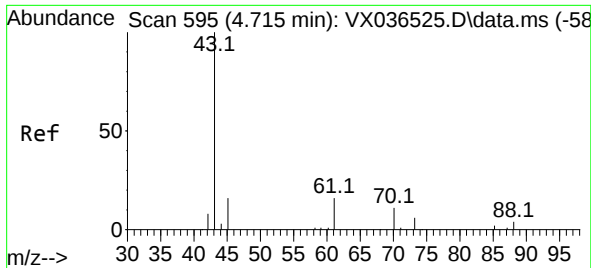
Reviewed By :John Carlone 07/17/2023
Supervised By :Semsettin Yesilyurt 07/17/2023



#42
Vinyl Acetate
Concen: 12.373 ug/l
RT: 3.727 min Scan# 433
Delta R.T. 0.006 min
Lab File: VX036553.D
Acq: 14 Jul 2023 10:57

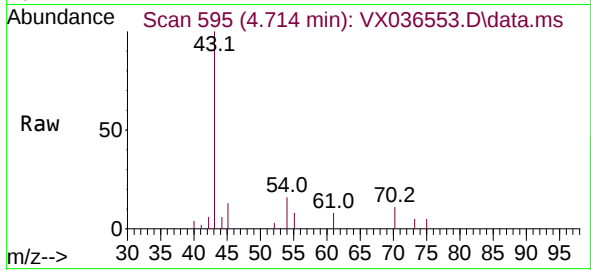
Tgt Ion: 43 Resp: 55868
Ion Ratio Lower Upper
43 100
86 8.6 7.4 11.0





#43
Ethyl Acetate
Concen: 2.661 ug/l
RT: 4.714 min Scan# 595
Delta R.T. -0.000 min
Lab File: VX036553.D
Acq: 14 Jul 2023 10:57

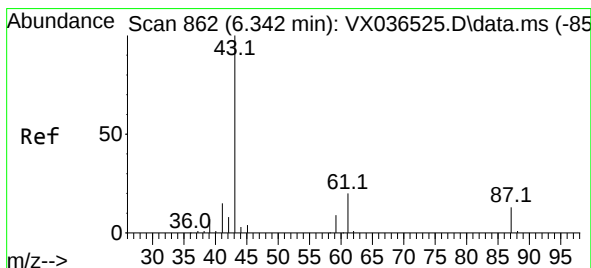
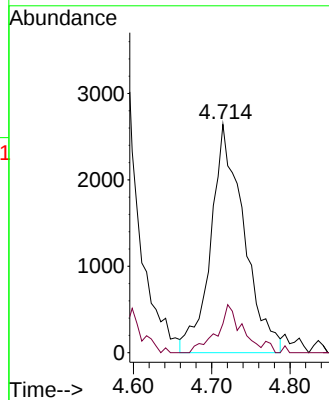
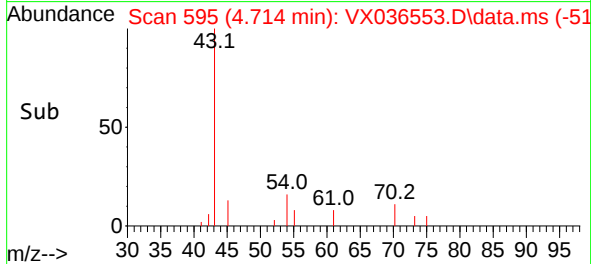
Instrument : MSVOA_X
ClientSampleId : MDL-WATER-03-QT3-2023



Tgt Ion: 43 Resp: 7744
Ion Ratio Lower Upper
43 100
45 11.6 12.6 18.8

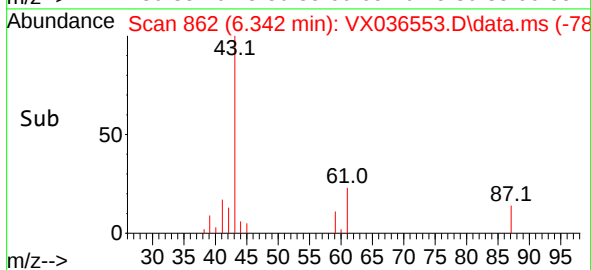
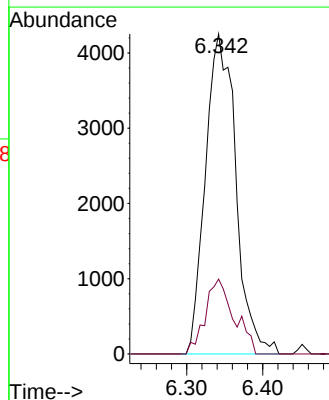
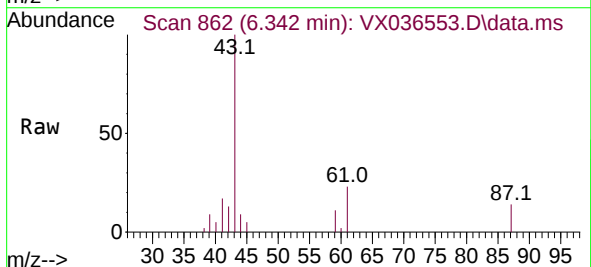
Manual Integrations
APPROVED

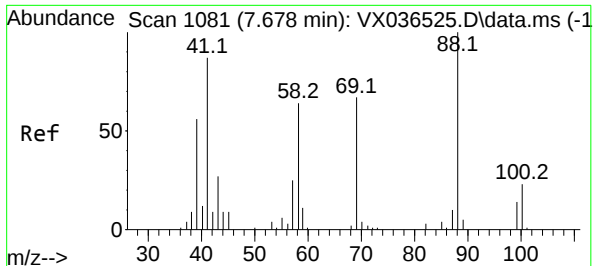
Reviewed By :John Carlone 07/17/2023
Supervised By :Semsettin Yesilyurt 07/17/2023



#44
Isopropyl Acetate
Concen: 2.538 ug/l m
RT: 6.342 min Scan# 862
Delta R.T. -0.000 min
Lab File: VX036553.D
Acq: 14 Jul 2023 10:57

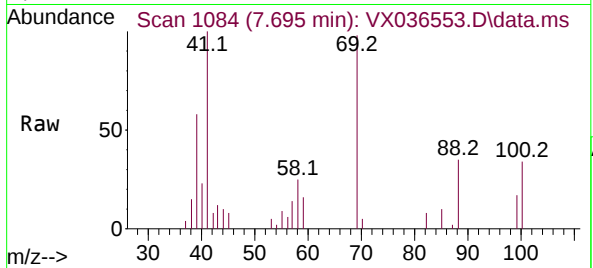
Tgt Ion: 43 Resp: 11779
Ion Ratio Lower Upper
43 100
61 19.0 15.4 23.0





#45
1,4-Dioxane
Concen: 45.068 ug/l
RT: 7.695 min Scan# 1084
Delta R.T. 0.018 min
Lab File: VX036553.D
Acq: 14 Jul 2023 10:57

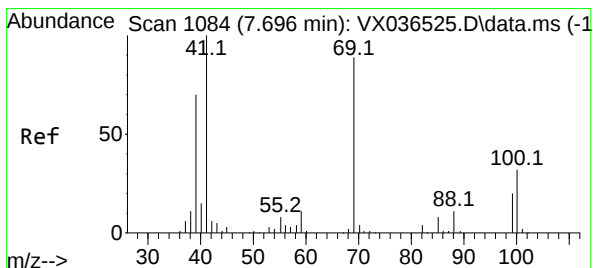
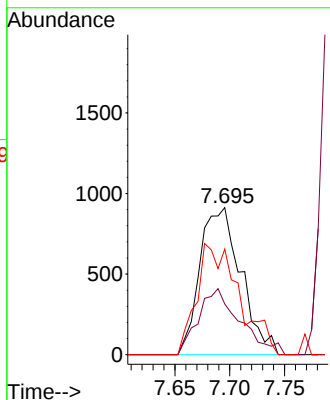
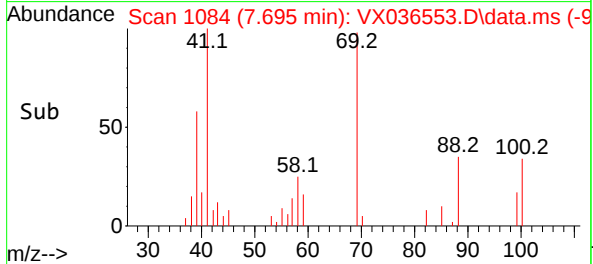
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT3-2023



Tgt Ion: 88 Resp: 2374
Ion Ratio Lower Upper
88 100
43 44.5 297.5 446.3
58 40.5 1.0 1.4

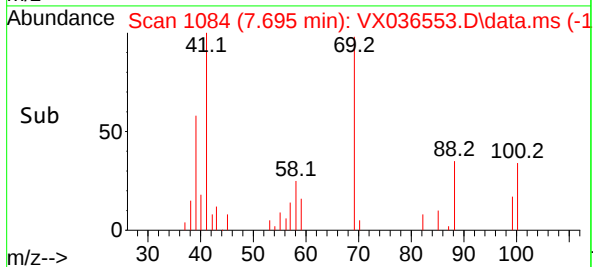
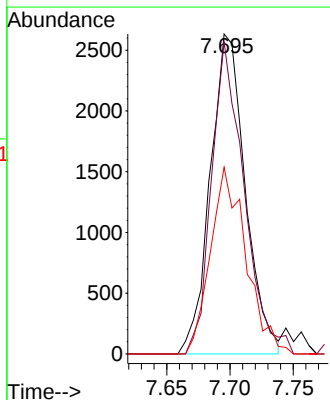
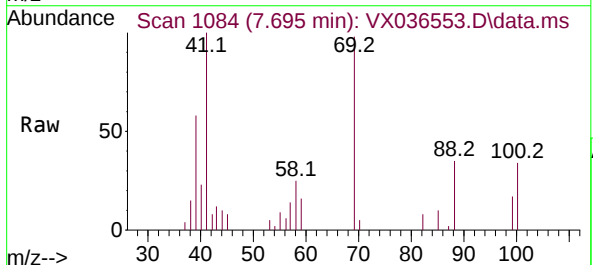
Manual Integrations
APPROVED

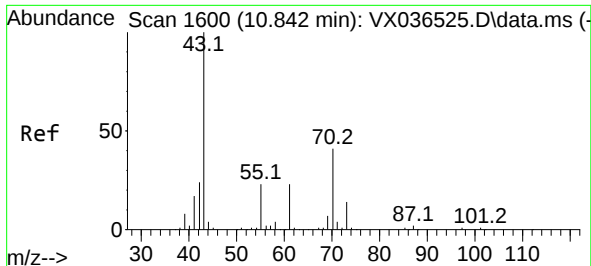
Reviewed By :John Carlone 07/17/2023
Supervised By :Semsettin Yesilyurt 07/17/2023



#46
Methyl methacrylate
Concen: 2.286 ug/l
RT: 7.695 min Scan# 1084
Delta R.T. -0.000 min
Lab File: VX036553.D
Acq: 14 Jul 2023 10:57

Tgt Ion: 41 Resp: 5070
Ion Ratio Lower Upper
41 100
69 97.5 44.4 133.1
39 58.3 34.9 104.7





#47

n-amyl acetate

Concen: 2.320 ug/l

RT: 10.841 min Scan# 1600

Delta R.T. -0.000 min

Lab File: VX036553.D

Acq: 14 Jul 2023 10:57

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT3-2023

Tgt Ion: 43 Resp: 913

Ion Ratio Lower Upper

43 100

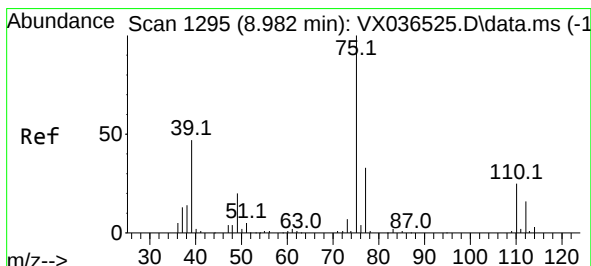
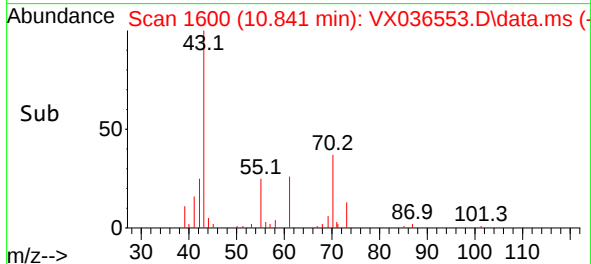
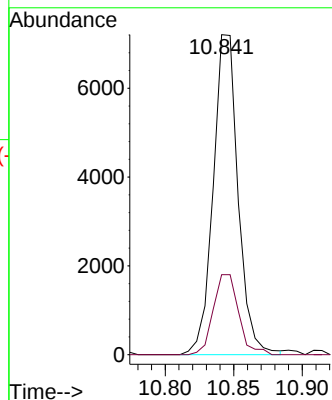
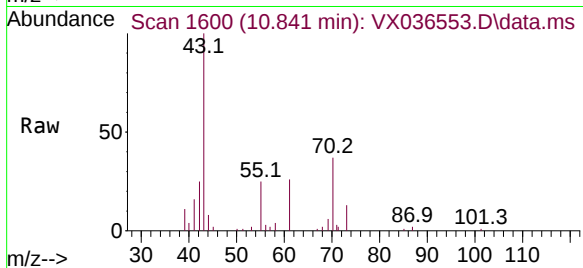
55 25.0 18.6 28.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/17/2023

Supervised By :Semsettin Yesilyurt 07/17/2023



#48

t-1,3-Dichloropropene

Concen: 2.140 ug/l

RT: 8.982 min Scan# 1295

Delta R.T. -0.000 min

Lab File: VX036553.D

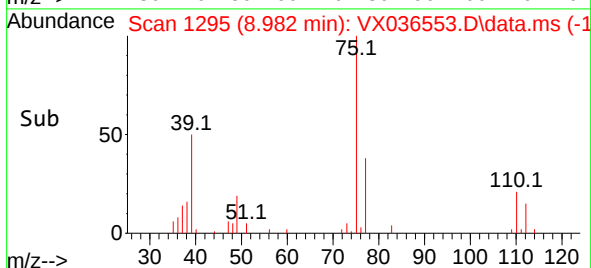
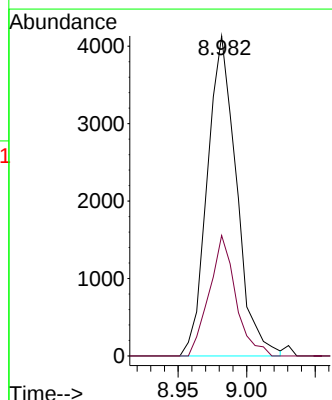
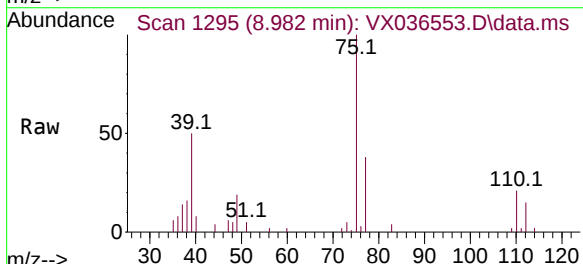
Acq: 14 Jul 2023 10:57

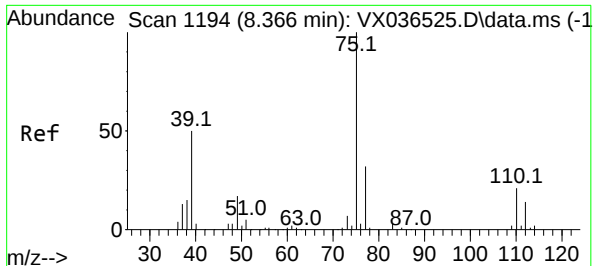
Tgt Ion: 75 Resp: 6120

Ion Ratio Lower Upper

75 100

77 37.6 26.8 40.2





#49

cis-1,3-Dichloropropene

Concen: 2.144 ug/l

RT: 8.372 min Scan# 1194

Delta R.T. 0.006 min

Lab File: VX036553.D

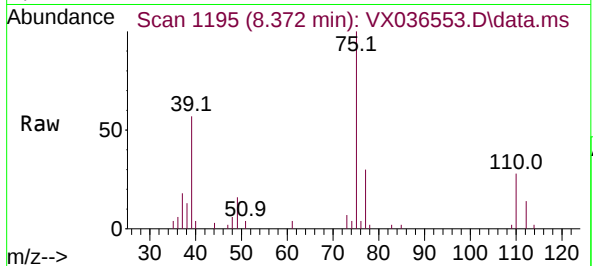
Acq: 14 Jul 2023 10:57

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT3-2023



Tgt Ion: 75 Resp: 662

Ion Ratio Lower Upper

75 100

77 30.4 25.4 38.2

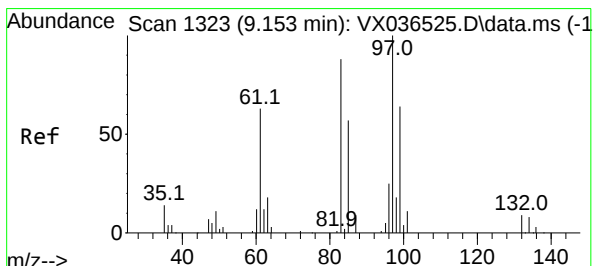
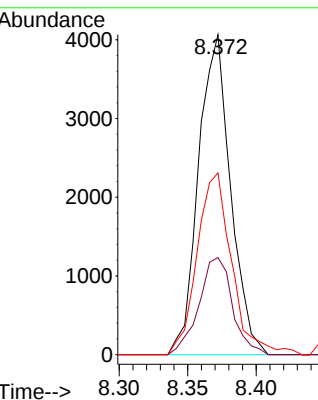
39 56.8 40.2 60.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/17/2023

Supervised By :Semsettin Yesilyurt 07/17/2023



#50

1,1,2-Trichloroethane

Concen: 2.460 ug/l

RT: 9.152 min Scan# 1323

Delta R.T. -0.000 min

Lab File: VX036553.D

Acq: 14 Jul 2023 10:57

Tgt Ion: 97 Resp: 4798

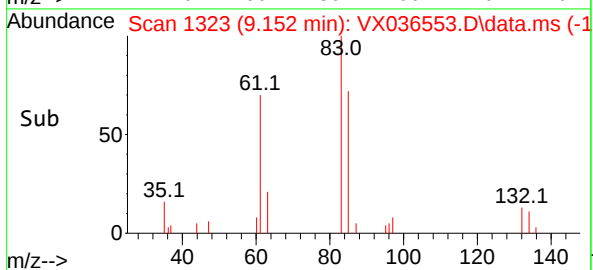
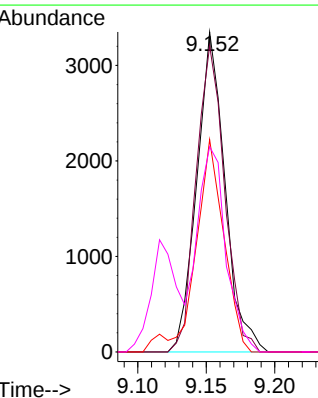
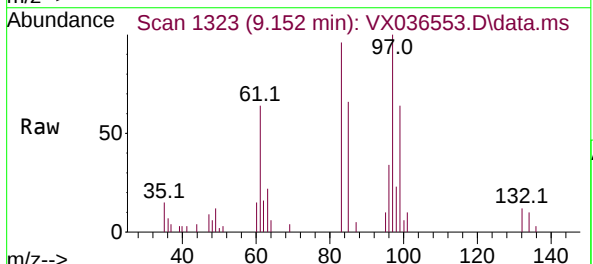
Ion Ratio Lower Upper

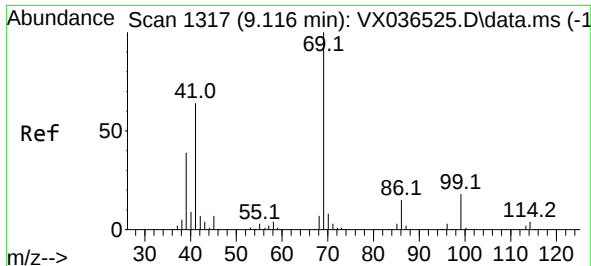
97 100

83 95.7 70.0 105.0

85 66.3 46.1 69.1

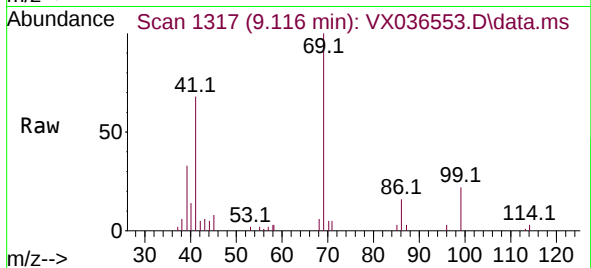
99 64.1 52.5 78.7





#51
Ethyl methacrylate
Concen: 2.373 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX036553.D
Acq: 14 Jul 2023 10:57

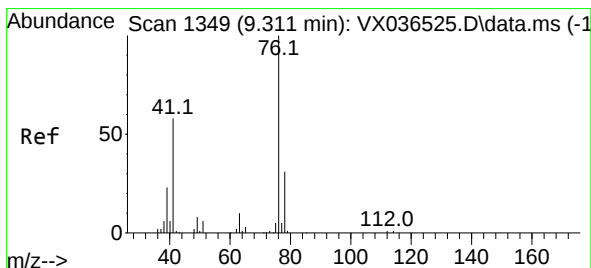
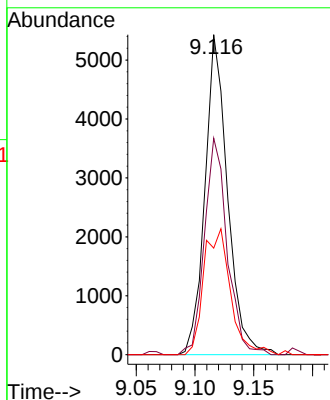
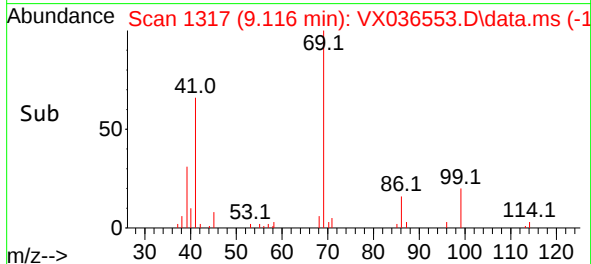
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT3-2023



Tgt Ion: 69 Resp: 7268
Ion Ratio Lower Upper
69 100
41 67.7 32.0 96.0
39 33.3 19.4 58.4

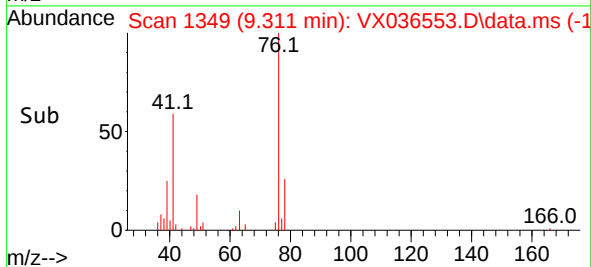
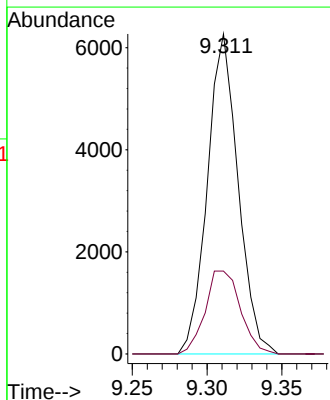
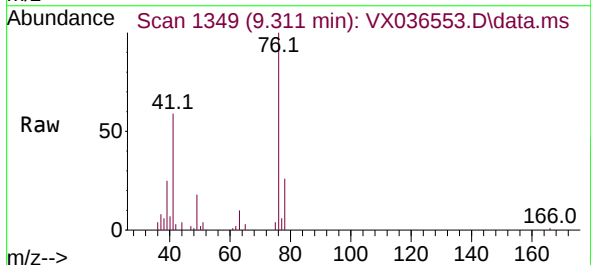
Manual Integrations
APPROVED

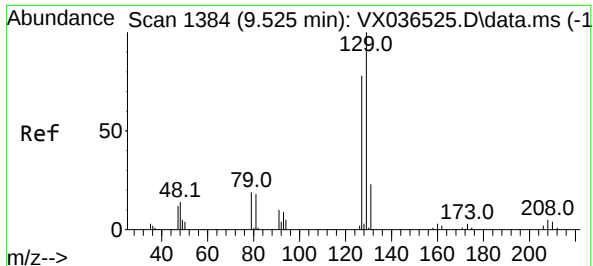
Reviewed By :John Carlone 07/17/2023
Supervised By :Semsettin Yesilyurt 07/17/2023



#52
1,3-Dichloropropane
Concen: 2.719 ug/l
RT: 9.311 min Scan# 1349
Delta R.T. -0.000 min
Lab File: VX036553.D
Acq: 14 Jul 2023 10:57

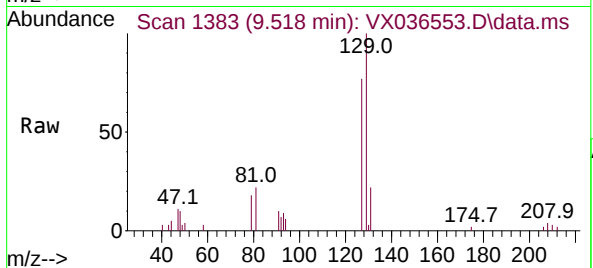
Tgt Ion: 76 Resp: 8949
Ion Ratio Lower Upper
76 100
78 29.8 0.0 63.6





#53
Dibromochloromethane
Concen: 2.175 ug/l
RT: 9.518 min Scan# 1383
Delta R.T. -0.007 min
Lab File: VX036553.D
Acq: 14 Jul 2023 10:57

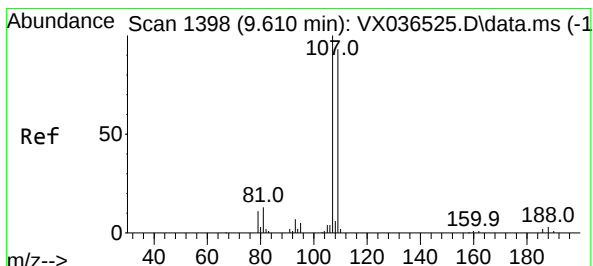
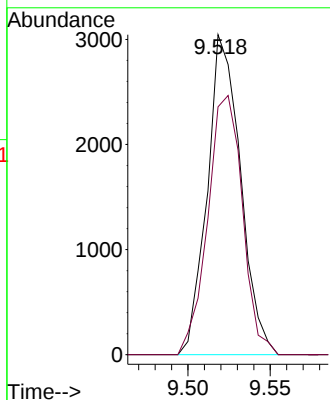
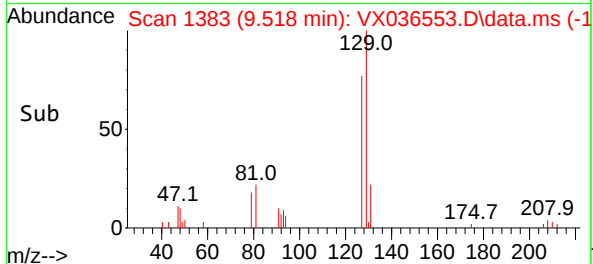
Instrument : MSVOA_X
ClientSampleId : MDL-WATER-03-QT3-2023



Tgt Ion:129 Resp: 428
Ion Ratio Lower Upper
129 100
127 84.6 38.6 115.8

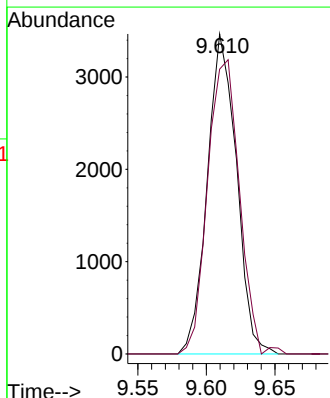
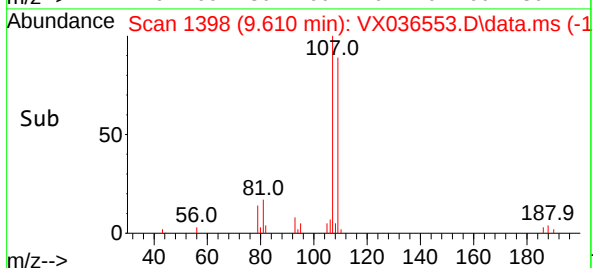
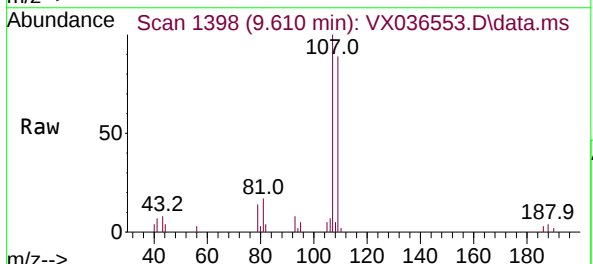
Manual Integrations
APPROVED

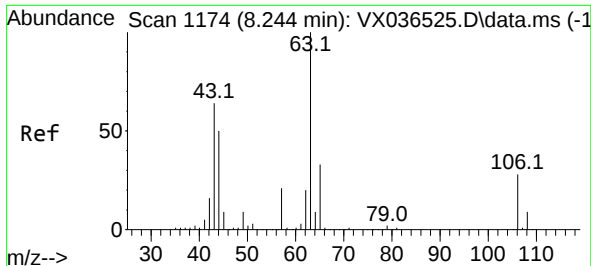
Reviewed By :John Carlone 07/17/2023
Supervised By :Semsettin Yesilyurt 07/17/2023



#54
1,2-Dibromoethane
Concen: 2.504 ug/l
RT: 9.610 min Scan# 1398
Delta R.T. -0.000 min
Lab File: VX036553.D
Acq: 14 Jul 2023 10:57

Tgt Ion:107 Resp: 5130
Ion Ratio Lower Upper
107 100
109 99.5 74.7 112.1





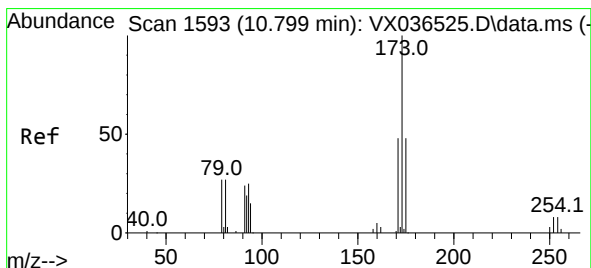
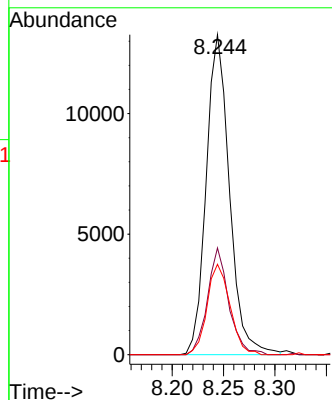
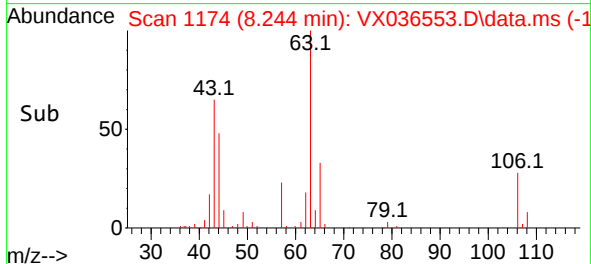
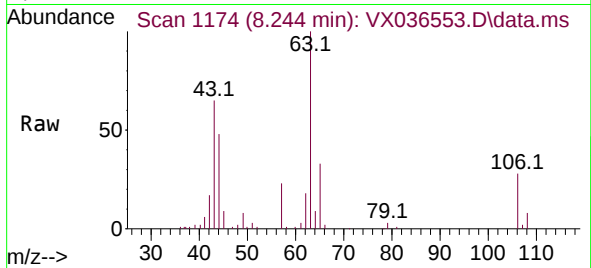
#55
2-Chloroethyl vinyl ether
Concen: 12.708 ug/l
RT: 8.244 min Scan# 1174
Delta R.T. -0.000 min
Lab File: VX036553.D
Acq: 14 Jul 2023 10:57

Instrument : MSVOA_X
ClientSampleId : MDL-WATER-03-QT3-2023

Tgt Ion: 63 Resp: 20930
Ion Ratio Lower Upper
63 100
65 30.3 25.9 38.9
106 27.8 21.8 32.8

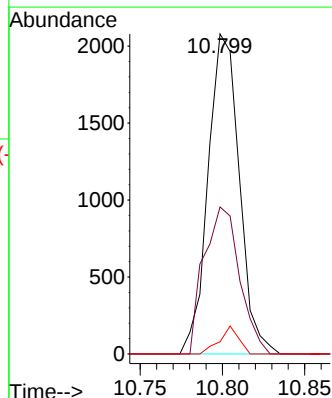
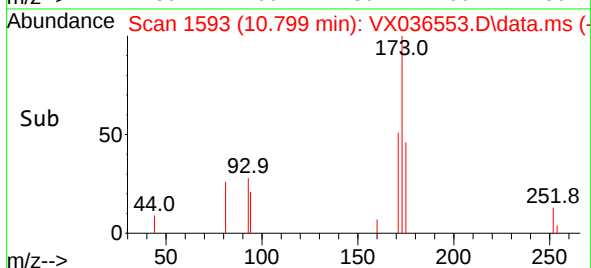
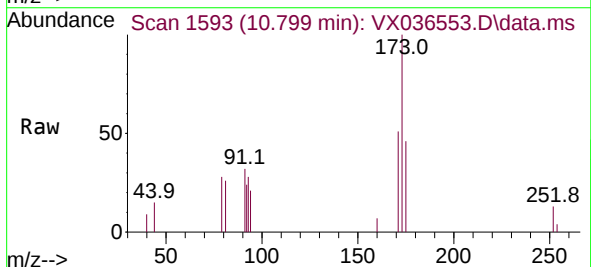
Manual Integrations
APPROVED

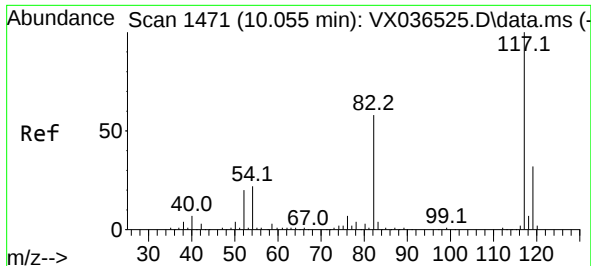
Reviewed By :John Carlone 07/17/2023
Supervised By :Semsettin Yesilyurt 07/17/2023



#56
Bromoform
Concen: 2.005 ug/l
RT: 10.799 min Scan# 1593
Delta R.T. -0.000 min
Lab File: VX036553.D
Acq: 14 Jul 2023 10:57

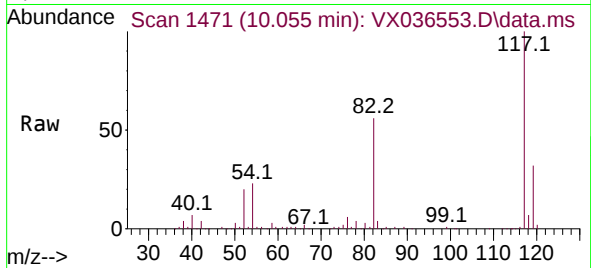
Tgt Ion:173 Resp: 2746
Ion Ratio Lower Upper
173 100
175 52.4 38.1 57.1
254 5.4 6.7 10.1#





#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX036553.D
Acq: 14 Jul 2023 10:57

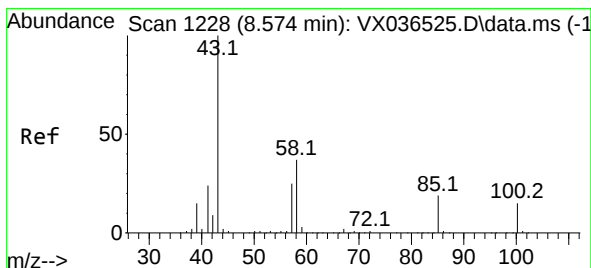
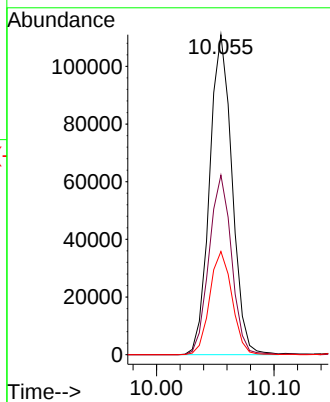
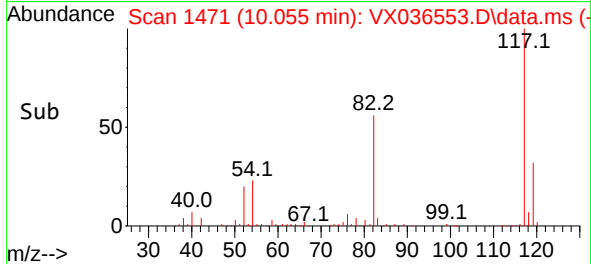
Instrument : MSVOA_X
ClientSampleId : MDL-WATER-03-QT3-2023



Tgt Ion: 117 Resp: 14751
Ion Ratio Lower Upper
117 100
82 56.2 44.7 67.1
119 32.1 25.6 38.4

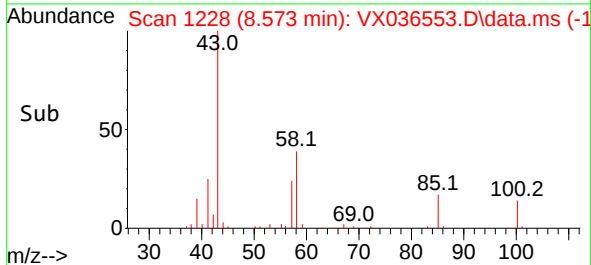
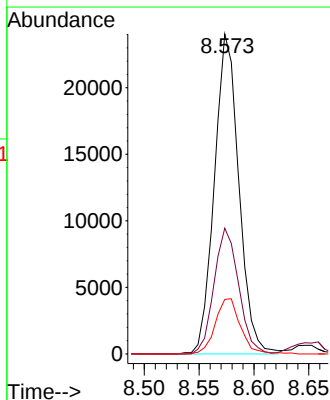
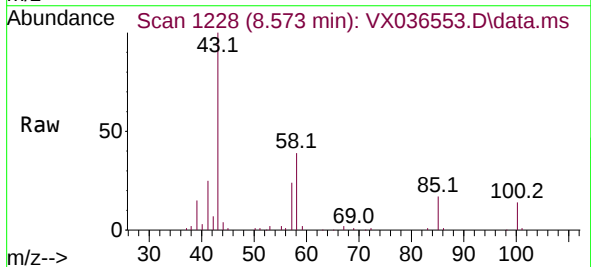
Manual Integrations
APPROVED

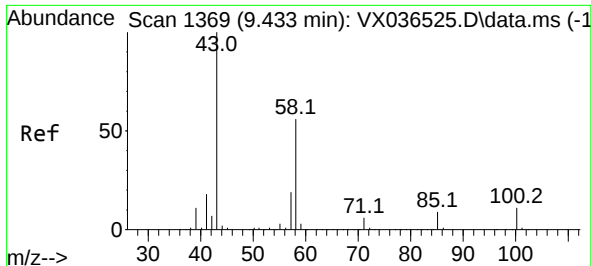
Reviewed By :John Carlone 07/17/2023
Supervised By :Semsettin Yesilyurt 07/17/2023



#58
4-Methyl-2-Pentanone
Concen: 12.251 ug/l
RT: 8.573 min Scan# 1228
Delta R.T. -0.000 min
Lab File: VX036553.D
Acq: 14 Jul 2023 10:57

Tgt Ion: 43 Resp: 37372
Ion Ratio Lower Upper
43 100
58 39.4 30.9 46.3
85 17.8 14.4 21.6





#59

2-Hexanone

Concen: 12.060 ug/l

RT: 9.433 min Scan# 1369

Delta R.T. -0.000 min

Lab File: VX036553.D

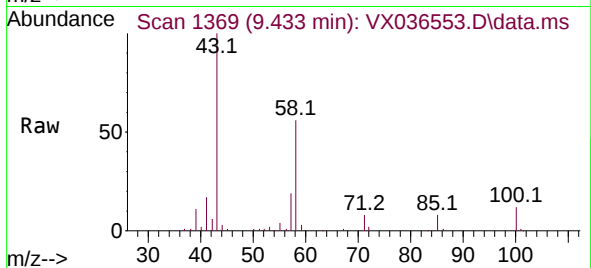
Acq: 14 Jul 2023 10:57

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT3-2023



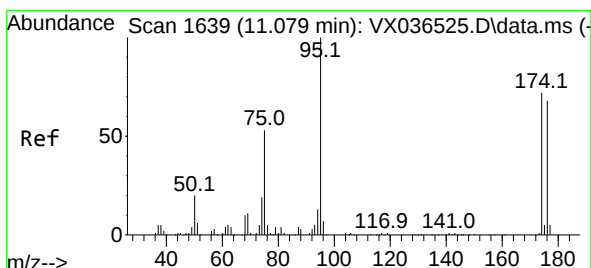
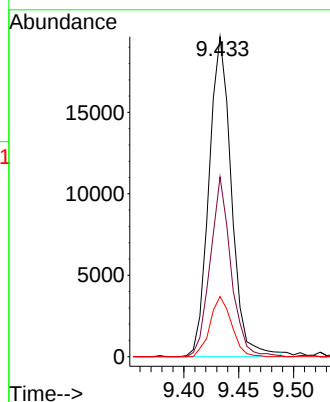
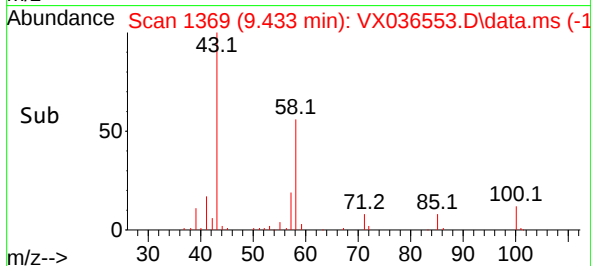
Tgt Ion: 43	Resp: 2798
Ion Ratio	Lower Upper
43	100
58	51.8 43.4 65.2
57	18.0 15.1 22.7

Manual Integrations

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Reviewed By :John Carlone 07/17/2023

Supervised By :Semsettin Yesilyurt 07/17/2023



#60

4-Bromofluorobenzene

Concen: 28.797 ug/l

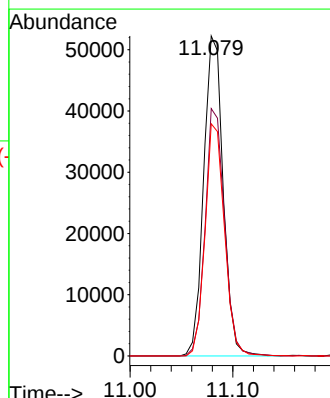
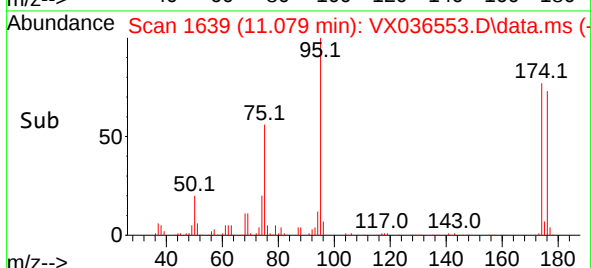
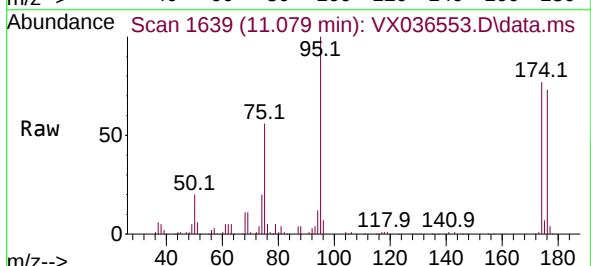
RT: 11.079 min Scan# 1639

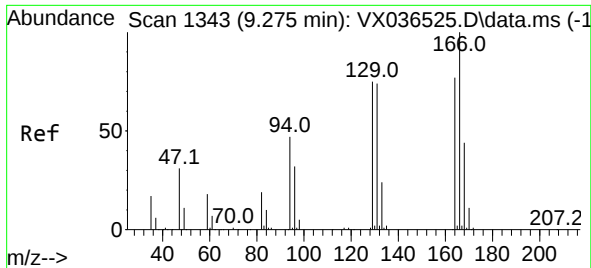
Delta R.T. -0.000 min

Lab File: VX036553.D

Acq: 14 Jul 2023 10:57

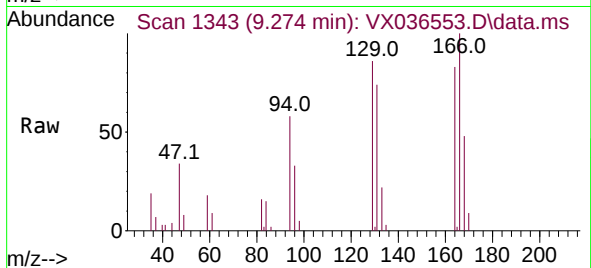
Tgt Ion: 95	Resp: 68907
Ion Ratio	Lower Upper
95	100
174	76.8 60.5 90.7
176	72.3 58.2 87.4





#61
Tetrachloroethene
Concen: 2.364 ug/l
RT: 9.274 min Scan# 1343
Delta R.T. -0.000 min
Lab File: VX036553.D
Acq: 14 Jul 2023 10:57

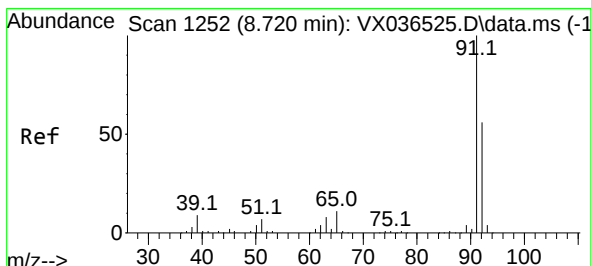
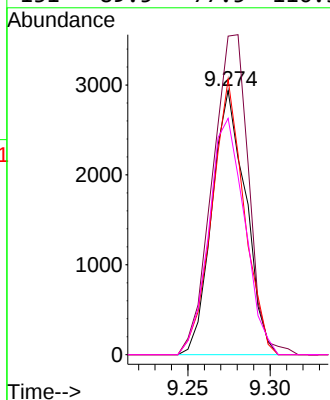
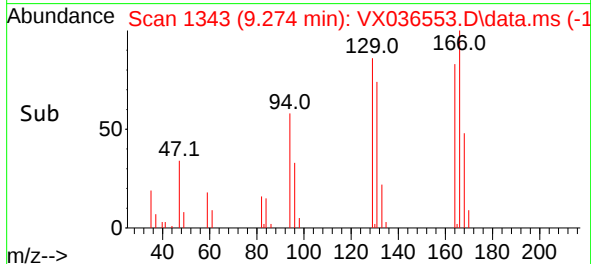
Instrument : MSVOA_X
ClientSampleId : MDL-WATER-03-QT3-2023



Tgt Ion:164 Resp: 4170
Ion Ratio Lower Upper
164 100
166 120.6 104.5 156.7
129 104.3 78.0 117.0
131 89.5 77.5 116.3

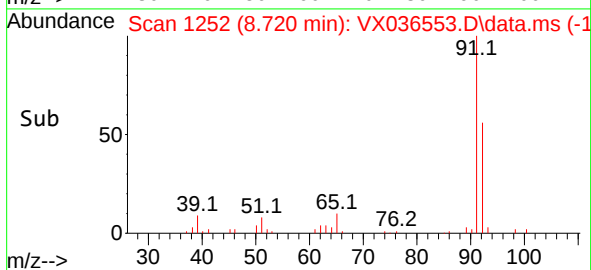
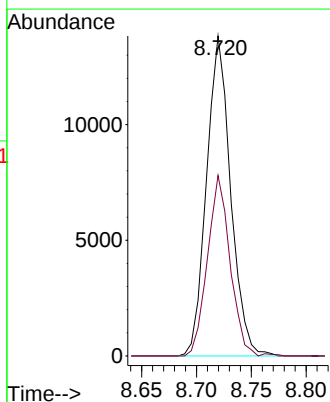
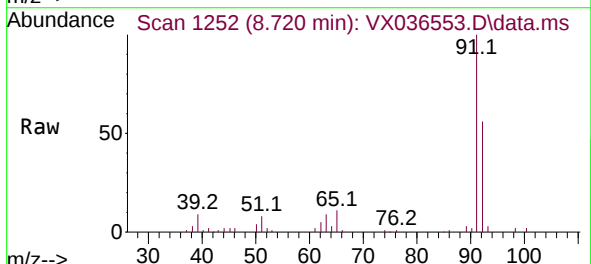
Manual Integrations
APPROVED

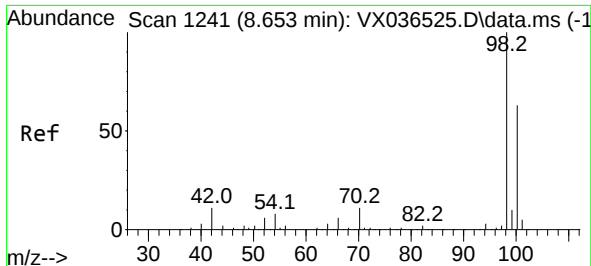
Reviewed By :John Carlone 07/17/2023
Supervised By :Semsettin Yesilyurt 07/17/2023



#62
Toluene
Concen: 2.556 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. -0.000 min
Lab File: VX036553.D
Acq: 14 Jul 2023 10:57

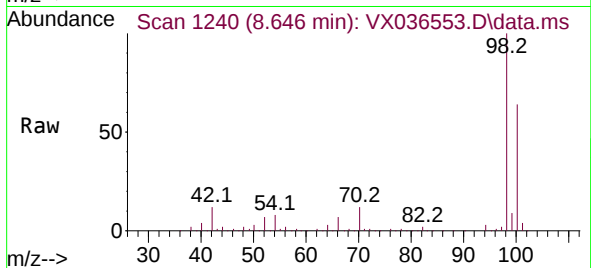
Tgt Ion: 91 Resp: 21158
Ion Ratio Lower Upper
91 100
92 52.7 44.9 67.3





#63
Toluene-d8
Concen: 29.461 ug/l
RT: 8.646 min Scan# 1241
Delta R.T. -0.006 min
Lab File: VX036553.D
Acq: 14 Jul 2023 10:57

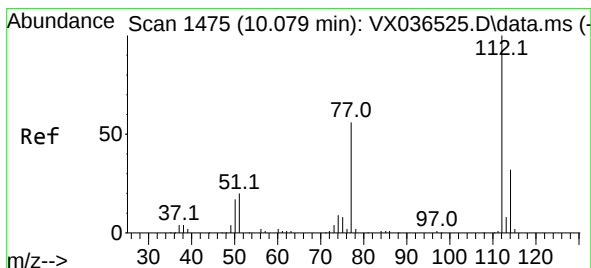
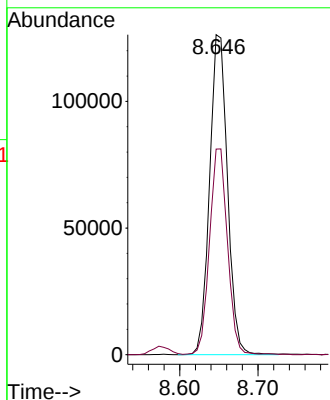
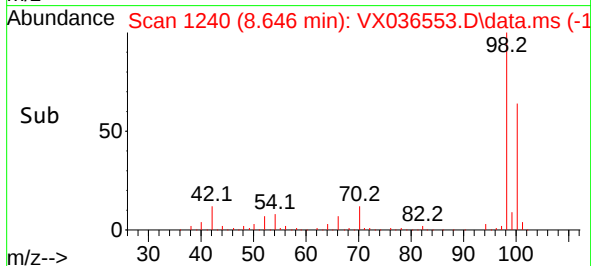
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT3-2023



Tgt Ion: 98 Resp: 199980
Ion Ratio Lower Upper
98 100
100 64.5 51.6 77.4

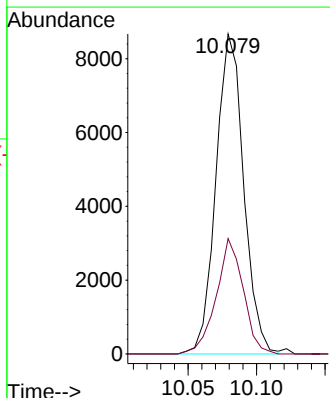
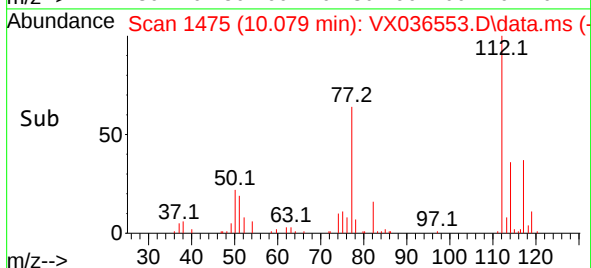
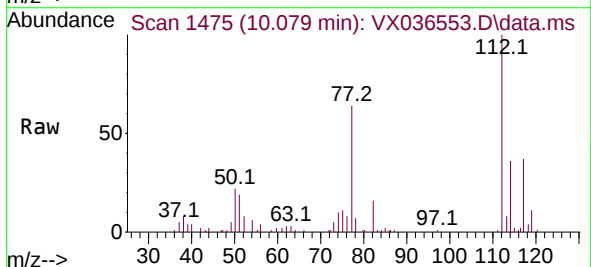
Manual Integrations
APPROVED

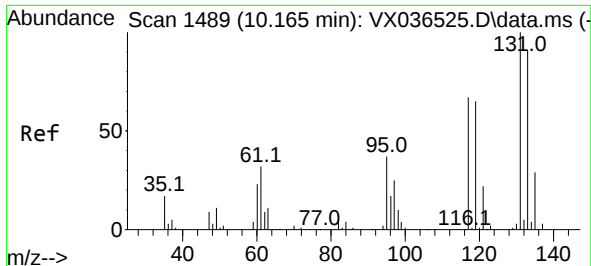
Reviewed By :John Carlone 07/17/2023
Supervised By :Semsettin Yesilyurt 07/17/2023



#64
Chlorobenzene
Concen: 2.367 ug/l
RT: 10.079 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VX036553.D
Acq: 14 Jul 2023 10:57

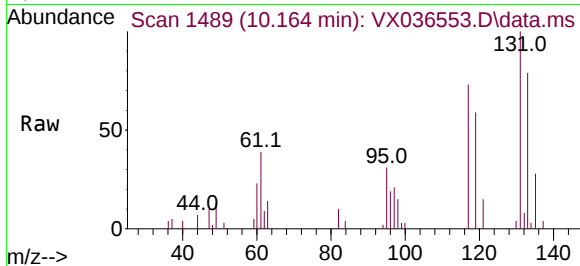
Tgt Ion:112 Resp: 12199
Ion Ratio Lower Upper
112 100
114 36.1 25.8 38.6





#65
1,1,1,2-Tetrachloroethane
Concen: 2.392 ug/l
RT: 10.164 min Scan# 1489
Delta R.T. -0.000 min
Lab File: VX036553.D
Acq: 14 Jul 2023 10:57

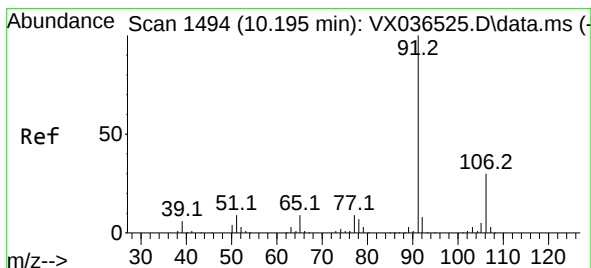
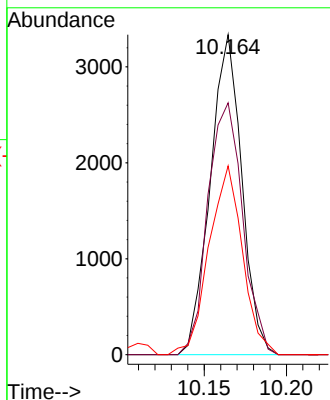
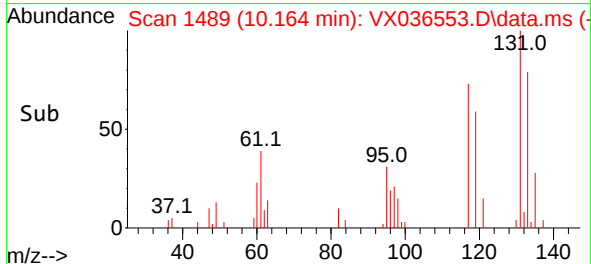
Instrument : MSVOA_X
ClientSampleId : MDL-WATER-03-QT3-2023



Tgt Ion:131 Resp: 445
Ion Ratio Lower Upper
131 100
133 86.9 0.0 192.0
119 62.7 0.0 132.8

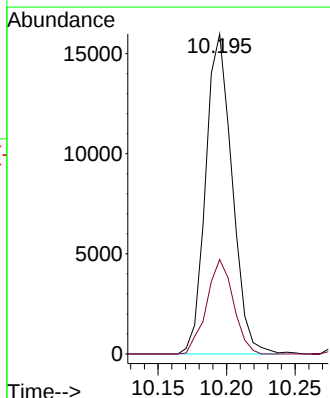
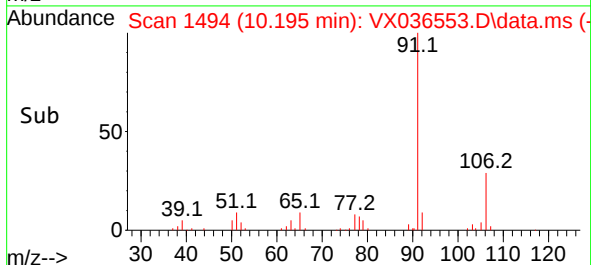
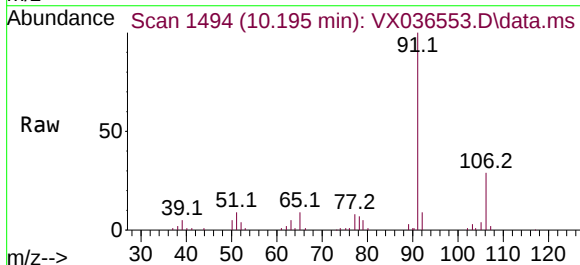
Manual Integrations
APPROVED

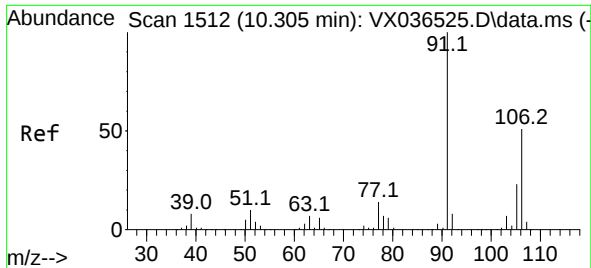
Reviewed By :John Carlone 07/17/2023
Supervised By :Semsettin Yesilyurt 07/17/2023



#66
Ethyl Benzene
Concen: 2.381 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. -0.000 min
Lab File: VX036553.D
Acq: 14 Jul 2023 10:57

Tgt Ion: 91 Resp: 21422
Ion Ratio Lower Upper
91 100
106 29.5 24.2 36.4





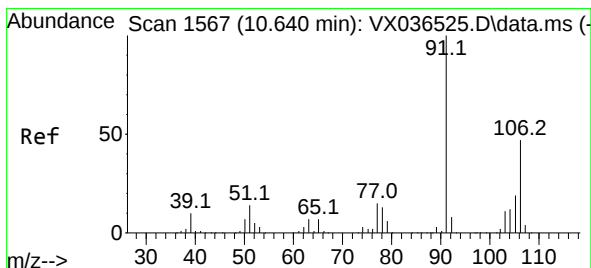
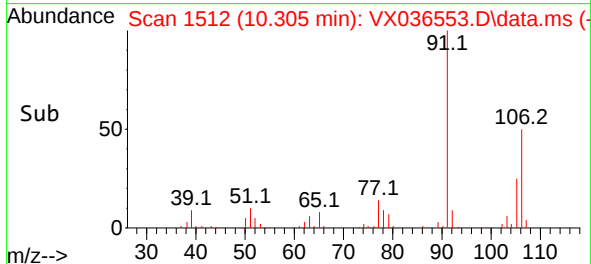
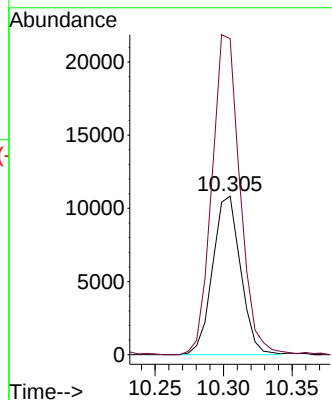
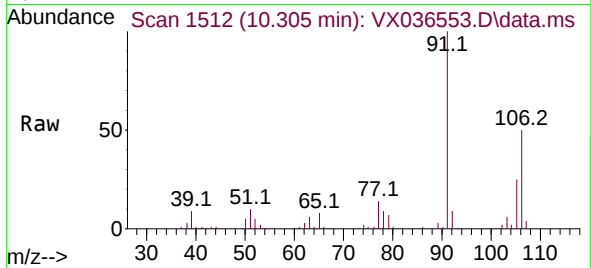
#67
m/p-Xylenes
Concen: 4.376 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. -0.000 min
Lab File: VX036553.D
Acq: 14 Jul 2023 10:57

Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT3-2023

Tgt Ion:106 Resp: 1534
Ion Ratio Lower Upper
106 100
91 202.7 160.5 240.7

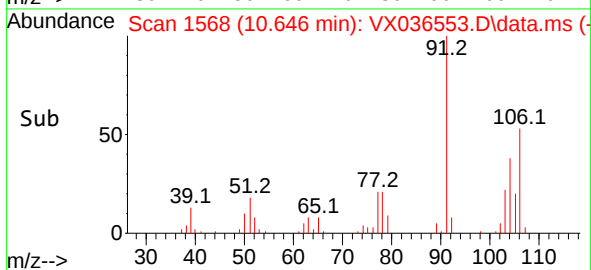
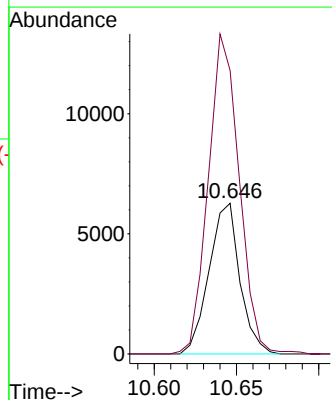
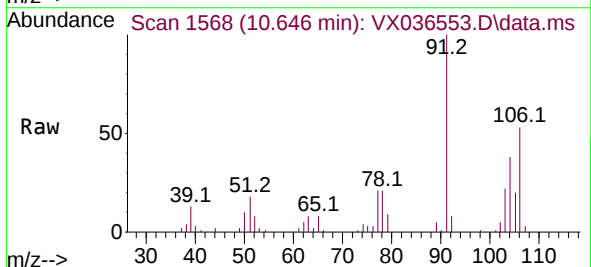
Manual Integrations
APPROVED

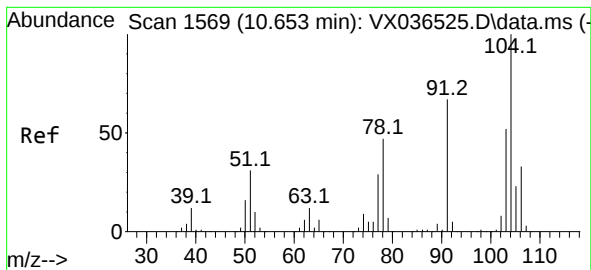
Reviewed By :John Carlone 07/17/2023
Supervised By :Semsettin Yesilyurt 07/17/2023



#68
o-Xylene
Concen: 2.347 ug/l
RT: 10.646 min Scan# 1568
Delta R.T. 0.006 min
Lab File: VX036553.D
Acq: 14 Jul 2023 10:57

Tgt Ion:106 Resp: 8167
Ion Ratio Lower Upper
106 100
91 212.4 105.4 316.1





#69

Styrene

Concen: 2.213 ug/l

RT: 10.658 min Scan# 1569

Delta R.T. 0.006 min

Lab File: VX036553.D

Acq: 14 Jul 2023 10:57

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT3-2023

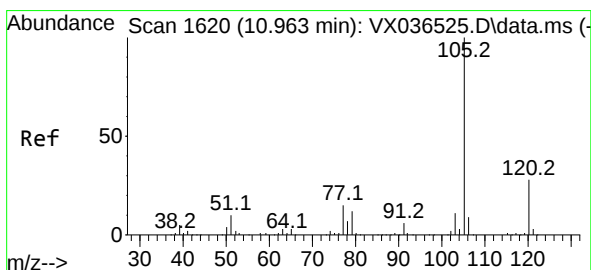
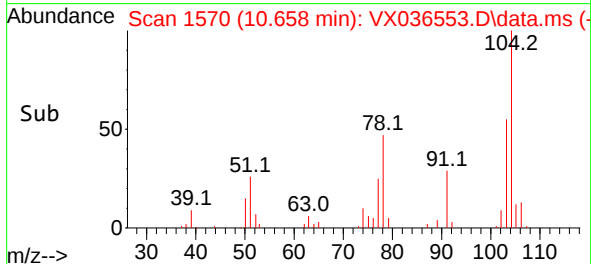
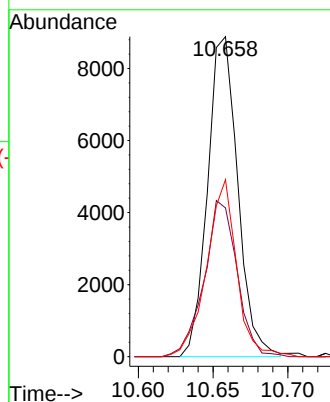
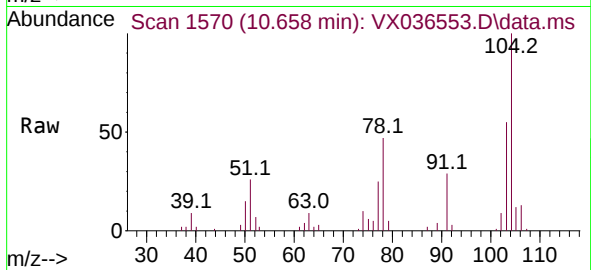
Tgt Ion:104 Resp: 12485
 Ion Ratio Lower Upper
 104 100
 78 53.2 41.0 61.4
 103 54.9 45.5 68.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/17/2023

Supervised By :Semsettin Yesilyurt 07/17/2023



#70

Isopropylbenzene

Concen: 2.138 ug/l

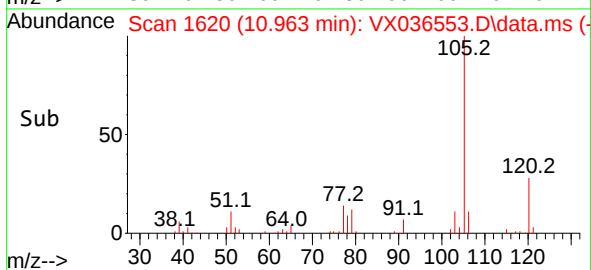
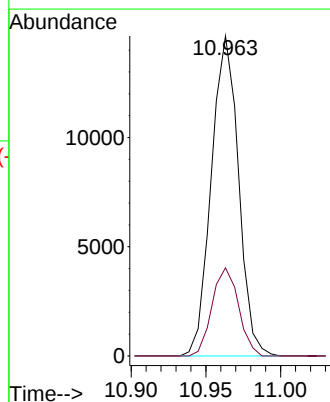
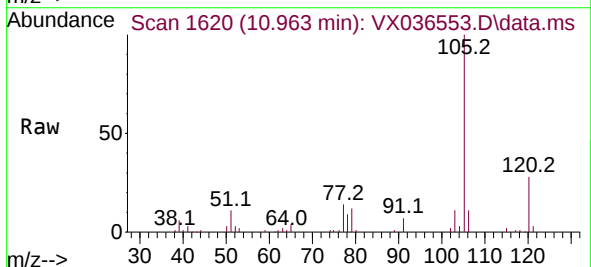
RT: 10.963 min Scan# 1620

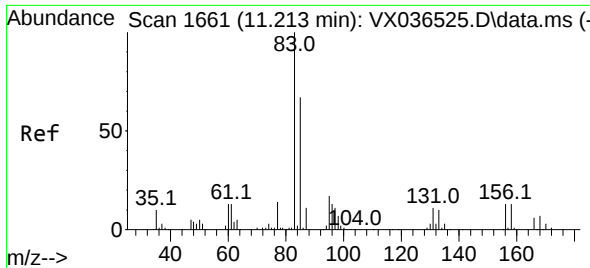
Delta R.T. -0.000 min

Lab File: VX036553.D

Acq: 14 Jul 2023 10:57

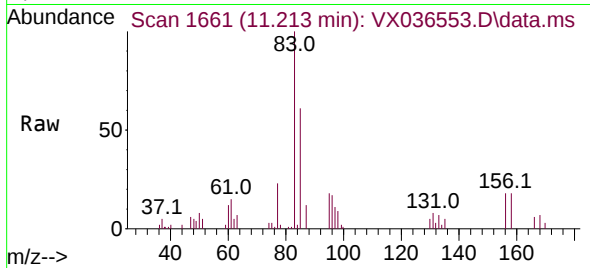
Tgt Ion:105 Resp: 18533
 Ion Ratio Lower Upper
 105 100
 120 26.8 19.5 36.3





#71
1,1,2,2-Tetrachloroethane
Concen: 2.525 ug/l
RT: 11.213 min Scan# 1661
Delta R.T. -0.000 min
Lab File: VX036553.D
Acq: 14 Jul 2023 10:57

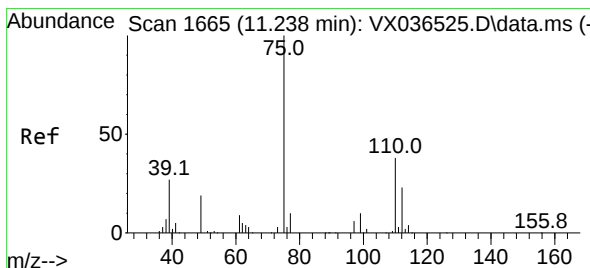
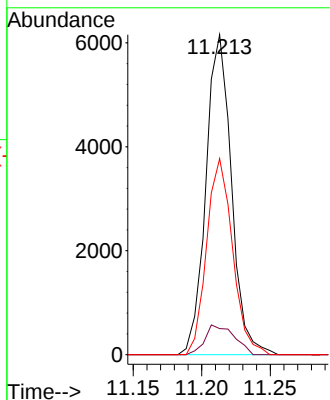
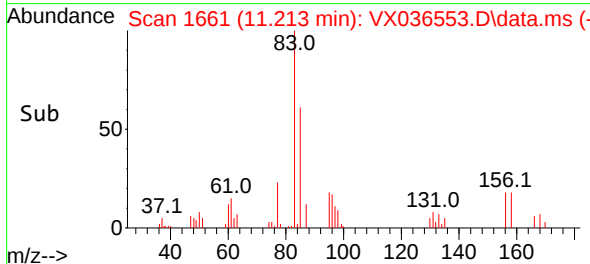
Instrument : MSVOA_X
ClientSampleId : MDL-WATER-03-QT3-2023



Tgt Ion: 83 Resp: 7988
Ion Ratio Lower Upper
83 100
131 10.6 5.3 15.8
85 62.2 32.4 97.0

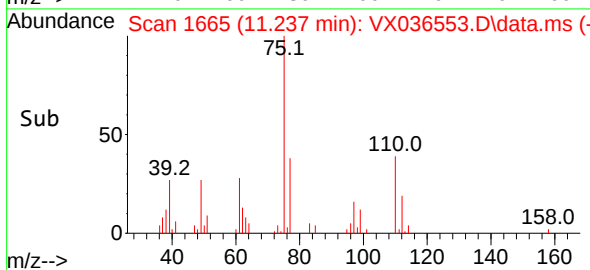
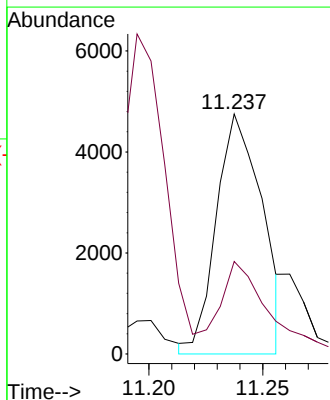
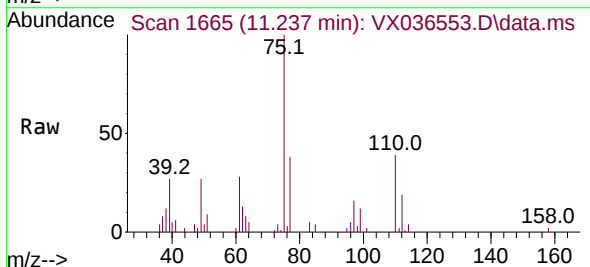
Manual Integrations
APPROVED

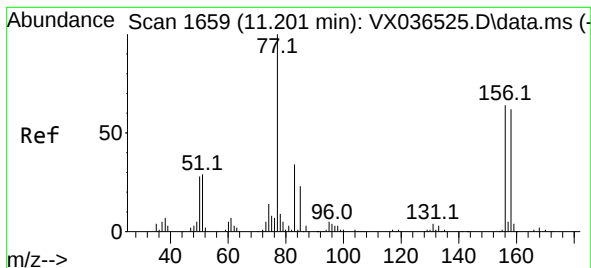
Reviewed By :John Carlone 07/17/2023
Supervised By :Semsettin Yesilyurt 07/17/2023



#72
1,2,3-Trichloropropane
Concen: 2.266 ug/l m
RT: 11.237 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX036553.D
Acq: 14 Jul 2023 10:57

Tgt Ion: 75 Resp: 6643
Ion Ratio Lower Upper
75 100
77 42.0 0.0 77.2





#73

Bromobenzene

Concen: 2.428 ug/l

RT: 11.201 min Scan# 1659

Delta R.T. -0.000 min

Lab File: VX036553.D

Acq: 14 Jul 2023 10:57

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT3-2023

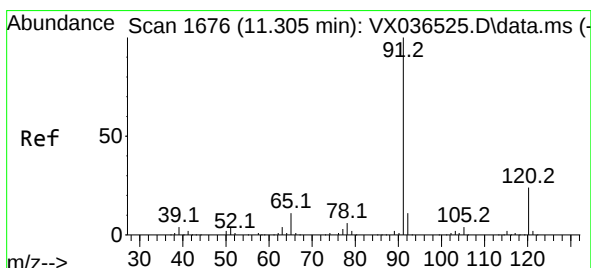
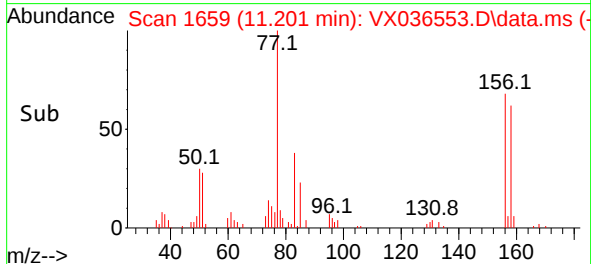
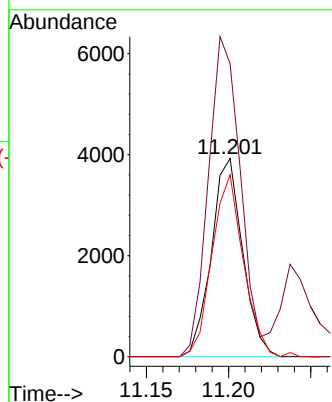
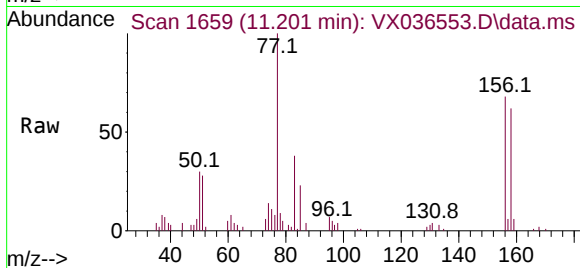
Tgt Ion:	156	Resp:	520
Ion Ratio	Lower	Upper	
156	100		
77	164.3	0.0	333.0
158	91.5	0.0	196.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/17/2023

Supervised By :Semsettin Yesilyurt 07/17/2023



#74

n-propylbenzene

Concen: 2.053 ug/l

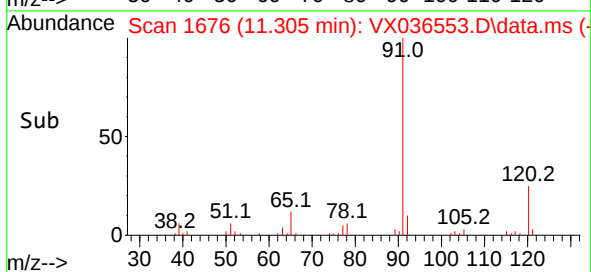
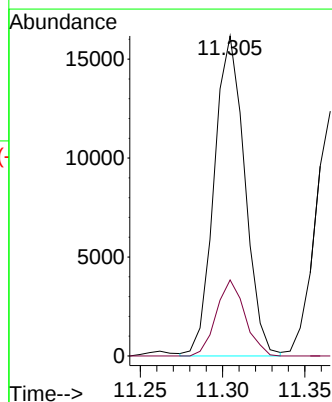
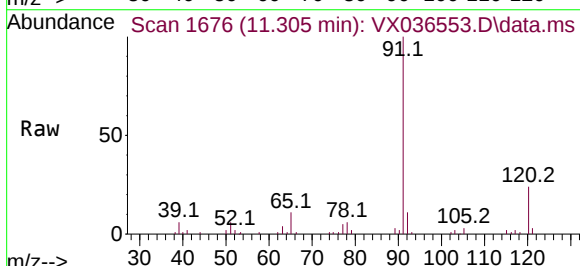
RT: 11.305 min Scan# 1676

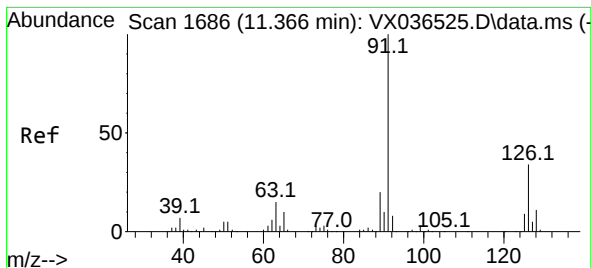
Delta R.T. -0.000 min

Lab File: VX036553.D

Acq: 14 Jul 2023 10:57

Tgt Ion:	91	Resp:	20945
Ion Ratio	Lower	Upper	
91	100		
120	22.1	0.0	46.6





#75

2-Chlorotoluene

Concen: 2.363 ug/l

RT: 11.365 min Scan# 1686

Delta R.T. -0.000 min

Lab File: VX036553.D

Acq: 14 Jul 2023 10:57

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT3-2023

Tgt Ion: 91 Resp: 1466

Ion Ratio Lower Upper

91 100

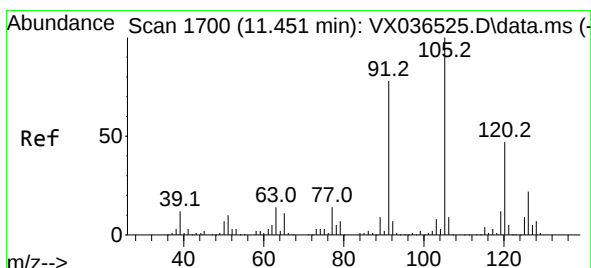
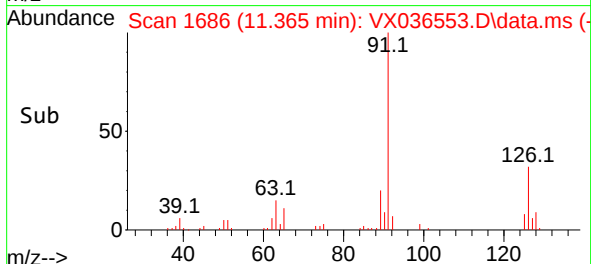
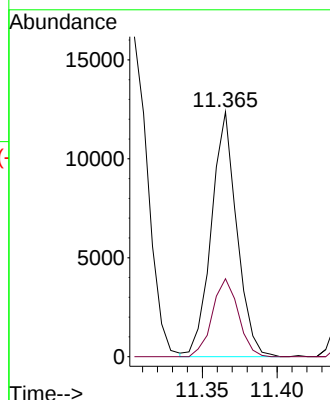
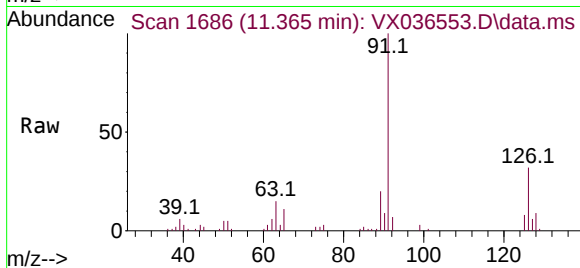
126 32.4 0.0 66.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/17/2023

Supervised By :Semsettin Yesilyurt 07/17/2023



#76

1,3,5-Trimethylbenzene

Concen: 2.157 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. -0.000 min

Lab File: VX036553.D

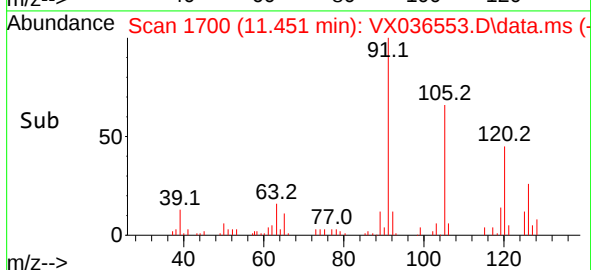
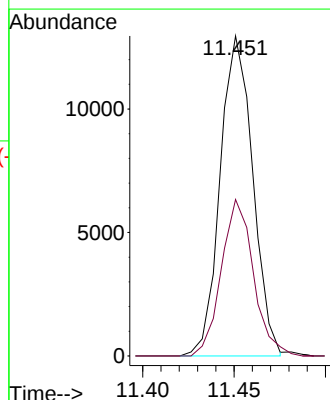
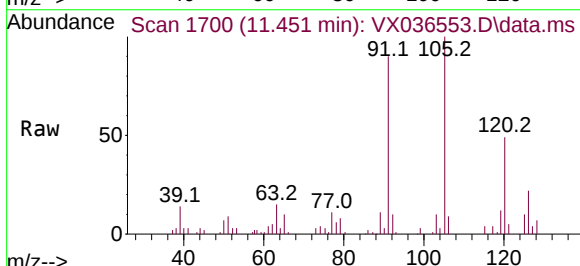
Acq: 14 Jul 2023 10:57

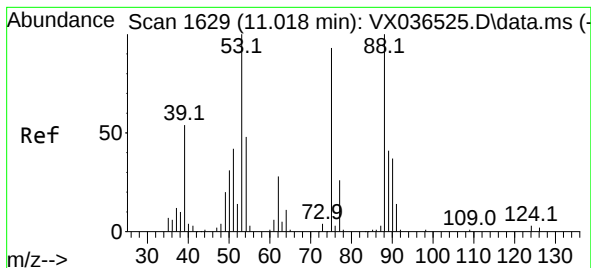
Tgt Ion:105 Resp: 16067

Ion Ratio Lower Upper

105 100

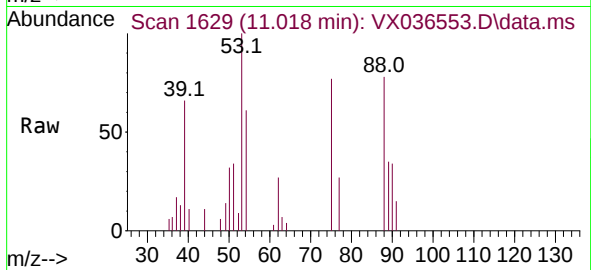
120 48.2 0.0 96.4





#77
t-1,4-Dichloro-2-butene
Concen: 1.631 ug/l
RT: 11.018 min Scan# 1629
Delta R.T. -0.000 min
Lab File: VX036553.D
Acq: 14 Jul 2023 10:57

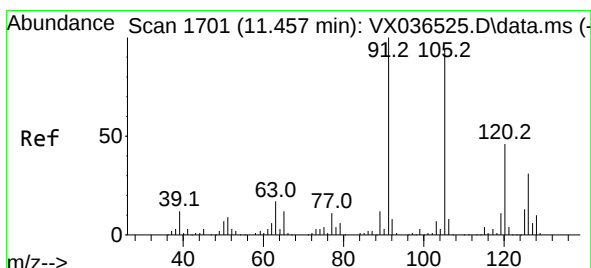
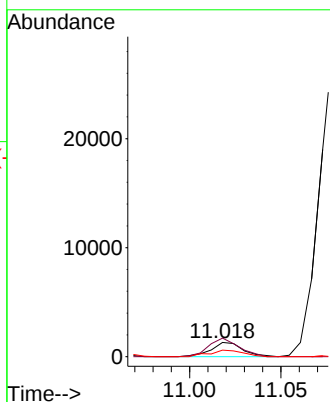
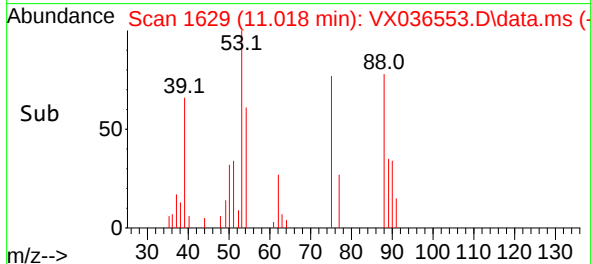
Instrument : MSVOA_X
ClientSampleId : MDL-WATER-03-QT3-2023



Tgt Ion: 75 Resp: 1570
Ion Ratio Lower Upper
75 100
53 130.3 53.9 161.7
89 45.6 22.1 66.1

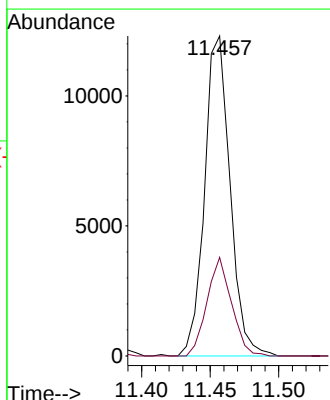
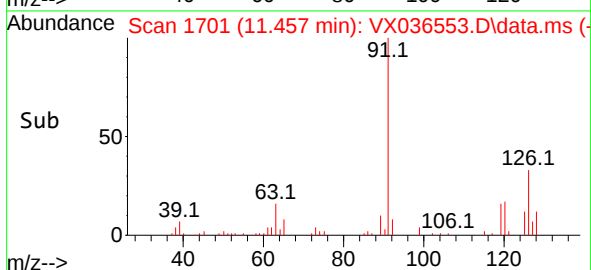
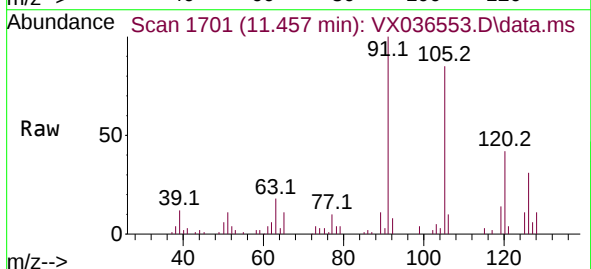
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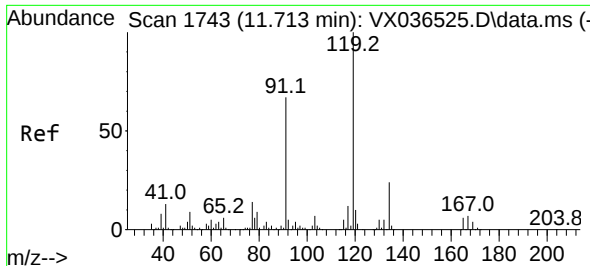
Reviewed By :John Carlone 07/17/2023
Supervised By :Semsettin Yesilyurt 07/17/2023



#78
4-Chlorotoluene
Concen: 2.254 ug/l
RT: 11.457 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VX036553.D
Acq: 14 Jul 2023 10:57

Tgt Ion: 91 Resp: 15921
Ion Ratio Lower Upper
91 100
126 29.7 0.0 59.4





#79

tert-butylbenzene

Concen: 2.060 ug/l

RT: 11.713 min Scan# 1743

Delta R.T. -0.000 min

Lab File: VX036553.D

Acq: 14 Jul 2023 10:57

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT3-2023

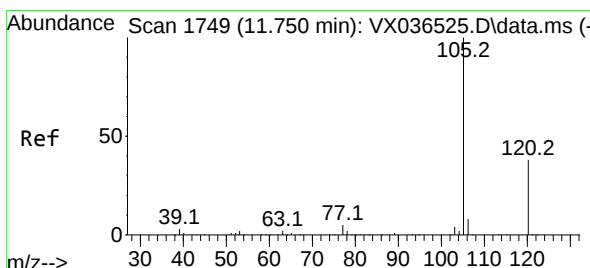
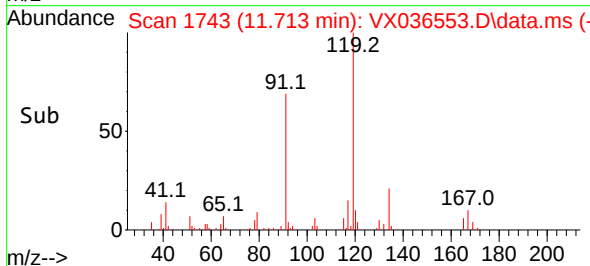
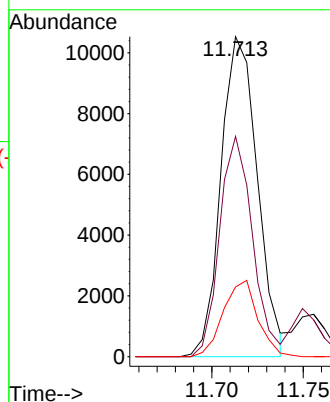
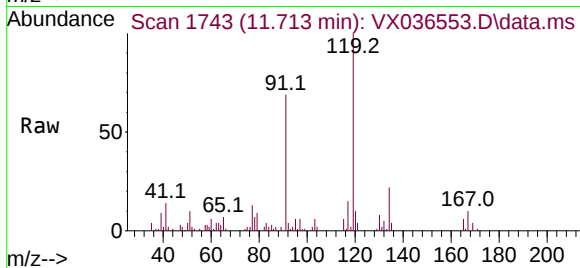
Tgt Ion:	119	Resp:	1456
Ion Ratio	Lower	Upper	
119	100		
91	62.3	0.0	124.4
134	22.7	0.0	47.2

Manual Integrations

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Supervised By :Semsettin Yesilyurt 07/17/2023



#80

1,2,4-Trimethylbenzene

Concen: 2.201 ug/l

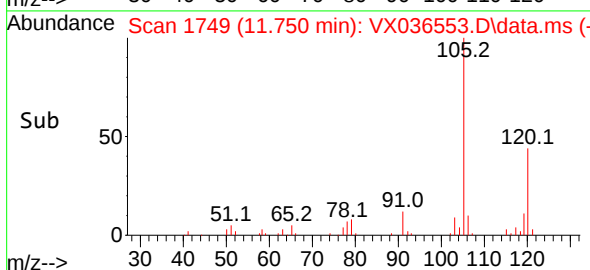
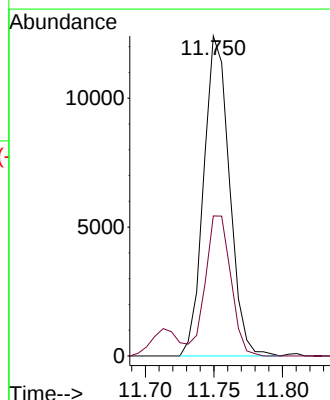
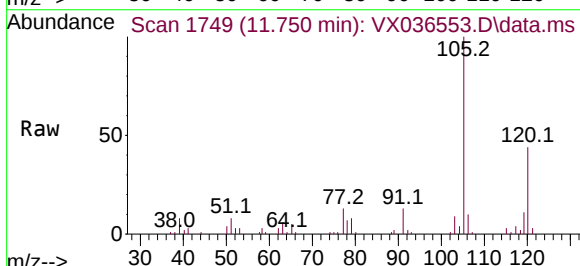
RT: 11.750 min Scan# 1749

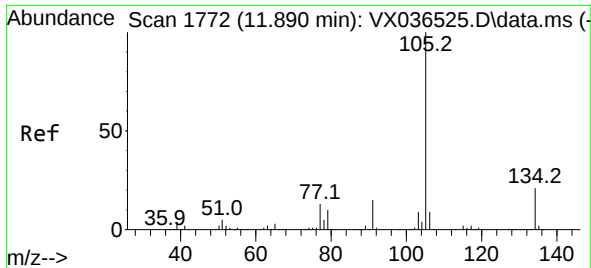
Delta R.T. -0.000 min

Lab File: VX036553.D

Acq: 14 Jul 2023 10:57

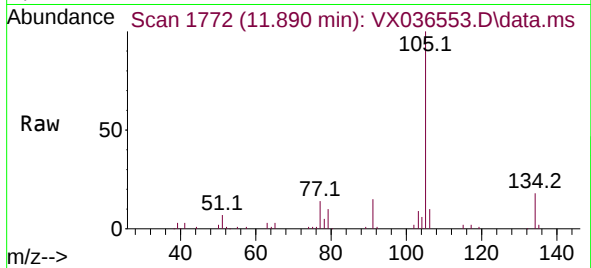
Tgt Ion:	105	Resp:	16246
Ion Ratio	Lower	Upper	
105	100		
120	43.1	0.0	90.2





#81
 sec-Butylbenzene
 Concen: 2.024 ug/l
 RT: 11.890 min Scan# 1772
 Delta R.T. -0.000 min
 Lab File: VX036553.D
 Acq: 14 Jul 2023 10:57

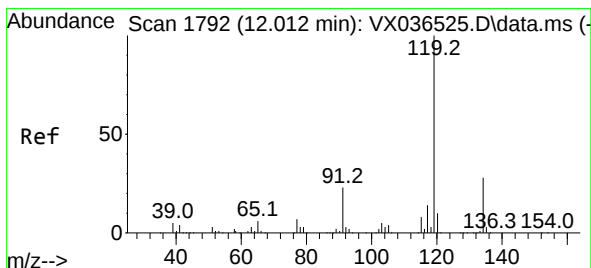
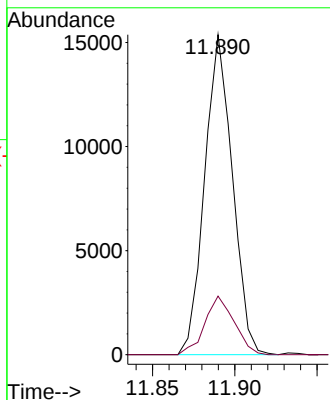
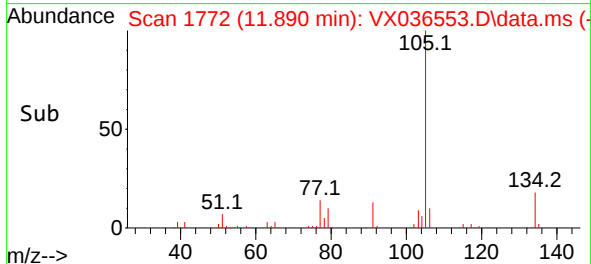
Instrument : MSVOA_X
 ClientSampleId : MDL-WATER-03-QT3-2023



Tgt Ion:105 Resp: 18009
 Ion Ratio Lower Upper
 105 100
 134 19.4 0.0 41.2

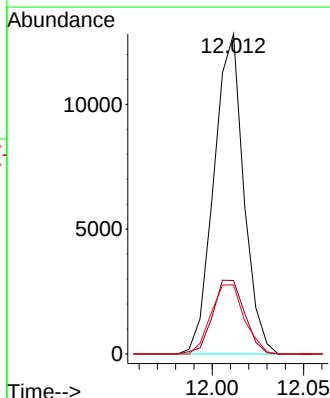
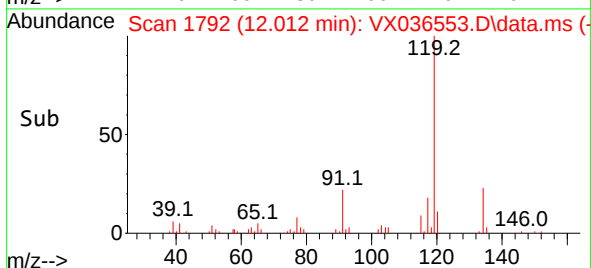
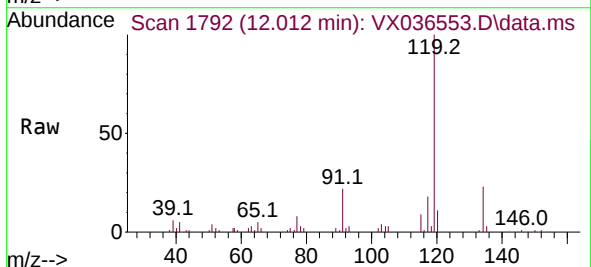
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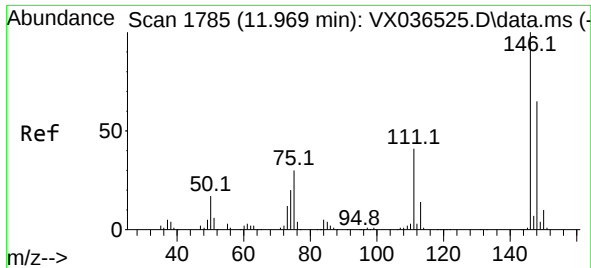
Reviewed By :John Carlone 07/17/2023
 Supervised By :Semsettin Yesilyurt 07/17/2023



#82
 p-Isopropyltoluene
 Concen: 1.966 ug/l
 RT: 12.012 min Scan# 1792
 Delta R.T. -0.000 min
 Lab File: VX036553.D
 Acq: 14 Jul 2023 10:57

Tgt Ion:119 Resp: 14556
 Ion Ratio Lower Upper
 119 100
 134 24.6 0.0 53.2
 91 24.2 0.0 49.4





#83

1,3-Dichlorobenzene

Concen: 2.284 ug/l

RT: 11.969 min Scan# 1785

Delta R.T. -0.000 min

Lab File: VX036553.D

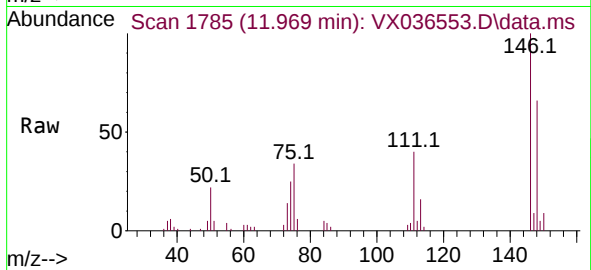
Acq: 14 Jul 2023 10:57

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT3-2023



Tgt Ion:146 Resp: 910

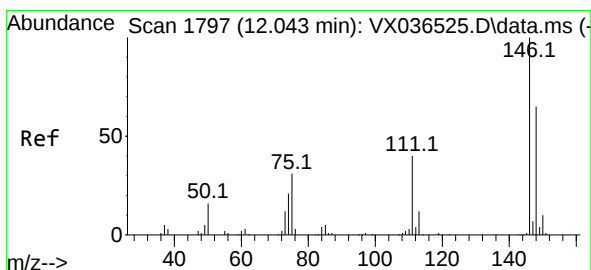
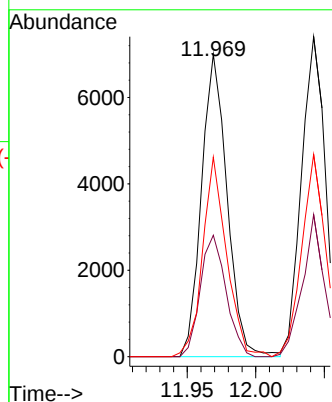
Ion	Ratio	Lower	Upper
146	100		
111	40.4	20.4	61.2
148	61.2	31.6	94.8

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Reviewed By :John Carlone 07/17/2023

Supervised By :Semsettin Yesilyurt 07/17/2023



#84

1,4-Dichlorobenzene

Concen: 2.297 ug/l

RT: 12.042 min Scan# 1797

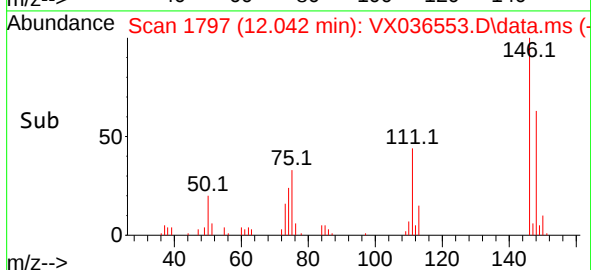
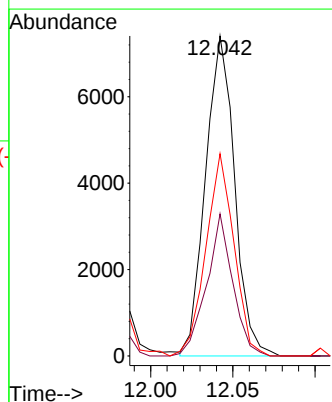
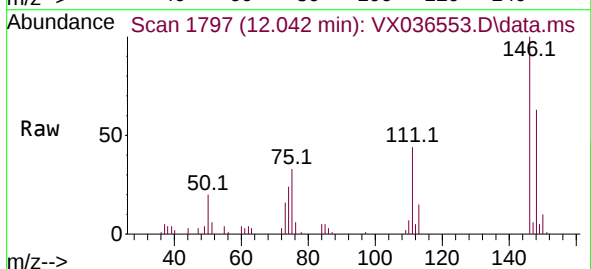
Delta R.T. -0.000 min

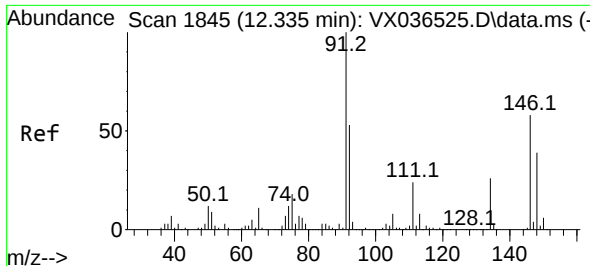
Lab File: VX036553.D

Acq: 14 Jul 2023 10:57

Tgt Ion:146 Resp: 9123

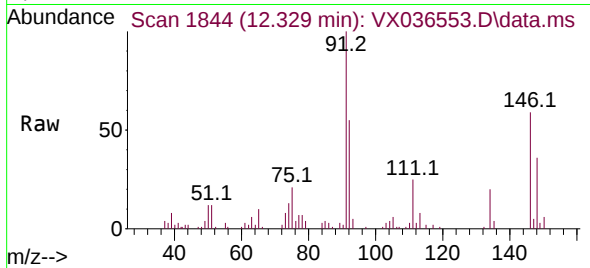
Ion	Ratio	Lower	Upper
146	100		
111	39.9	20.2	60.6
148	61.1	32.1	96.3





#85
n-Butylbenzene
Concen: 1.794 ug/l
RT: 12.329 min Scan# 1844
Delta R.T. -0.006 min
Lab File: VX036553.D
Acq: 14 Jul 2023 10:57

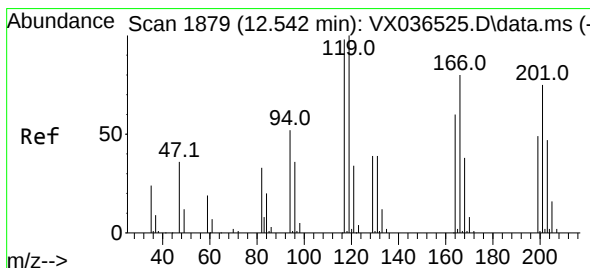
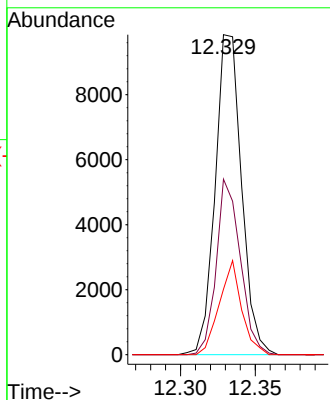
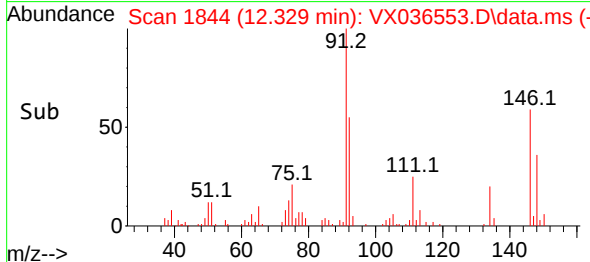
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT3-2023



Tgt Ion: 91 Resp: 12088
Ion Ratio Lower Upper
91 100
92 49.9 0.0 105.2
134 24.8 0.0 51.4

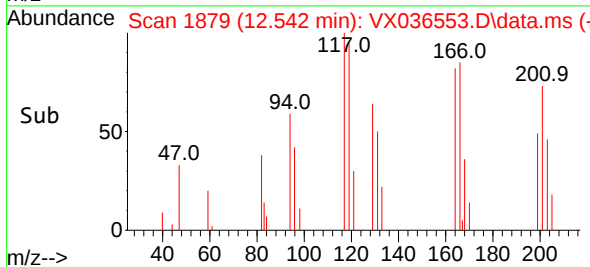
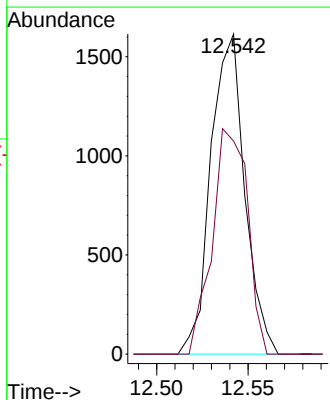
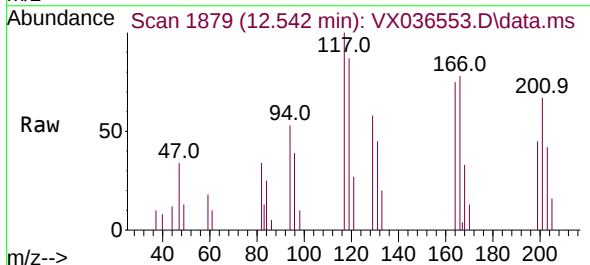
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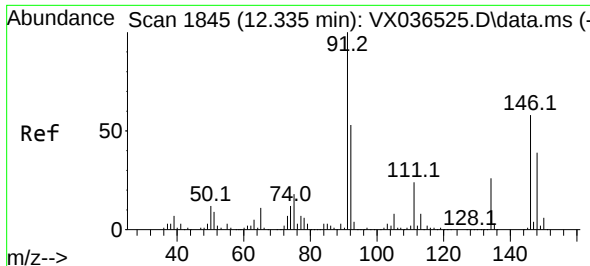
Reviewed By :John Carlone 07/17/2023
Supervised By :Semsettin Yesilyurt 07/17/2023



#86
Hexachloroethane
Concen: 1.702 ug/l
RT: 12.542 min Scan# 1879
Delta R.T. -0.000 min
Lab File: VX036553.D
Acq: 14 Jul 2023 10:57

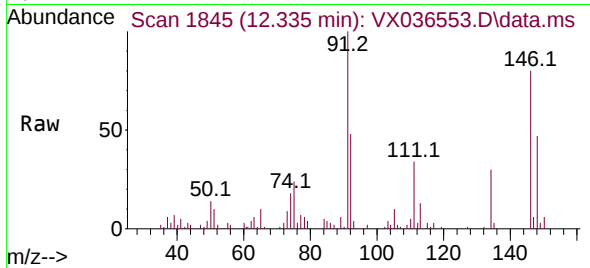
Tgt Ion:117 Resp: 2086
Ion Ratio Lower Upper
117 100
201 73.0 36.0 108.0





#87
1,2-Dichlorobenzene
Concen: 2.323 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. -0.000 min
Lab File: VX036553.D
Acq: 14 Jul 2023 10:57

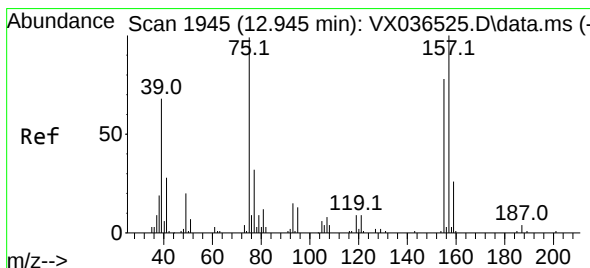
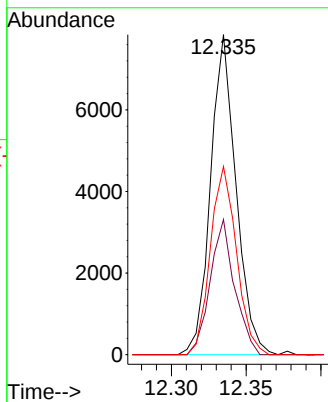
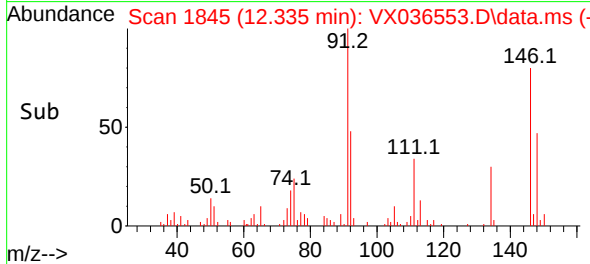
Instrument : MSVOA_X
ClientSampleId : MDL-WATER-03-QT3-2023



Tgt Ion:146 Resp: 928
Ion Ratio Lower Upper
146 100
111 40.5 21.4 64.3
148 60.3 33.2 99.6

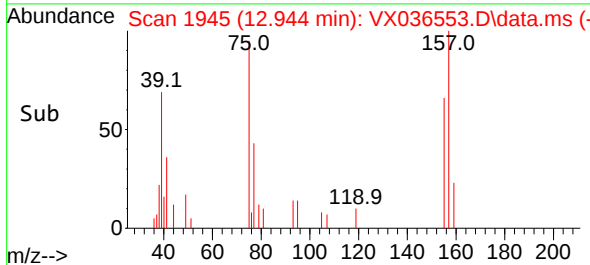
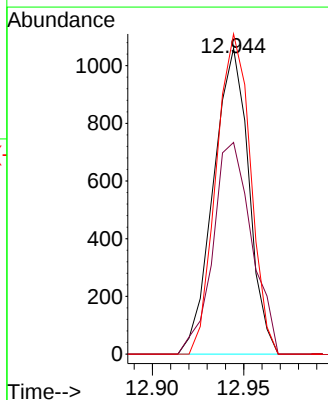
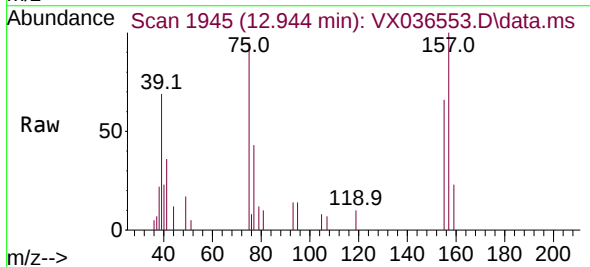
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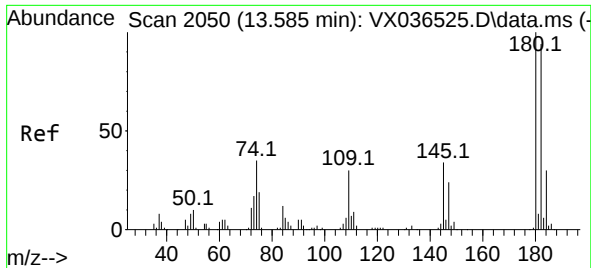
Reviewed By :John Carlone 07/17/2023
Supervised By :Semsettin Yesilyurt 07/17/2023



#88
1,2-Dibromo-3-Chloropropane
Concen: 2.003 ug/l
RT: 12.944 min Scan# 1945
Delta R.T. -0.000 min
Lab File: VX036553.D
Acq: 14 Jul 2023 10:57

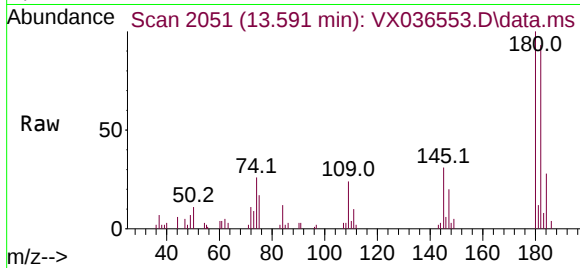
Tgt Ion: 75 Resp: 1425
Ion Ratio Lower Upper
75 100
155 76.1 62.7 94.1
157 101.7 81.5 122.3





#89
1,2,4-Trichlorobenzene
Concen: 2.020 ug/l
RT: 13.591 min Scan# 2050
Delta R.T. 0.006 min
Lab File: VX036553.D
Acq: 14 Jul 2023 10:57

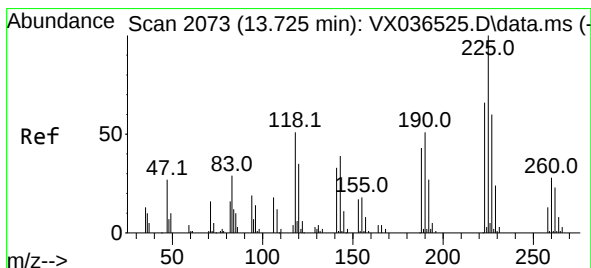
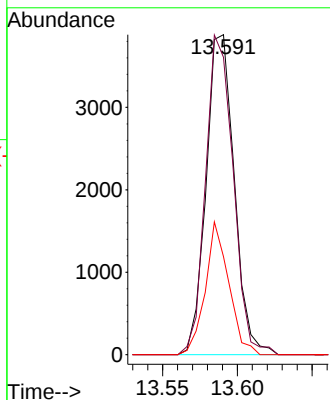
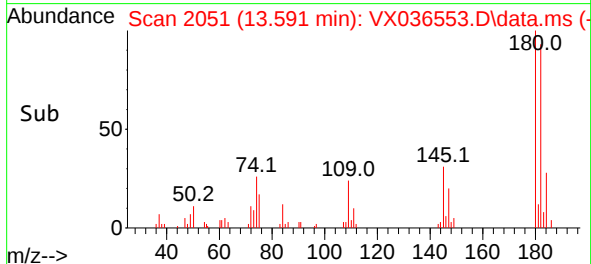
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT3-2023



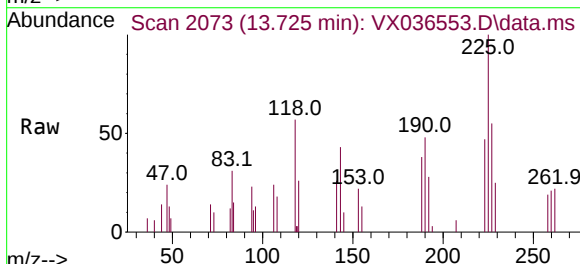
Tgt Ion:180 Resp: 5092
Ion Ratio Lower Upper
180 100
182 97.1 75.6 113.4
145 34.5 25.4 38.2

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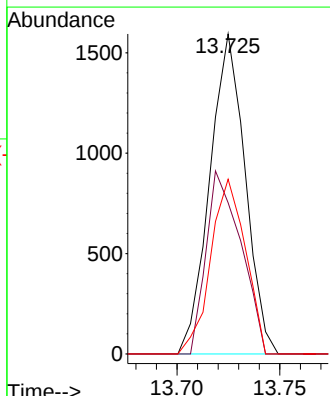
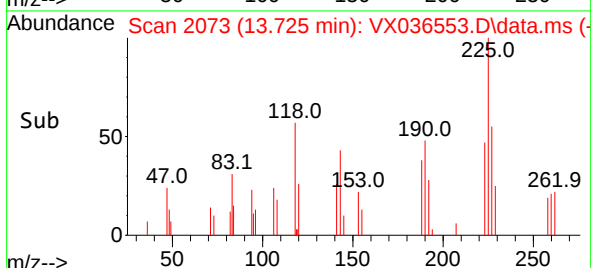
Reviewed By :John Carlone 07/17/2023
Supervised By :Semsettin Yesilyurt 07/17/2023

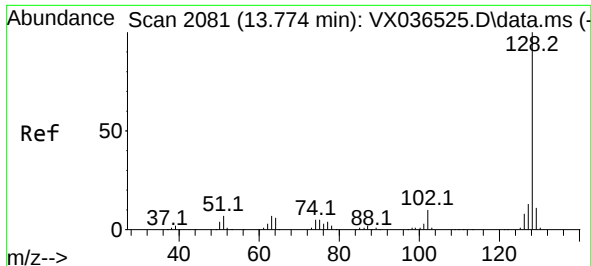


#90
Hexachlorobutadiene
Concen: 2.084 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX036553.D
Acq: 14 Jul 2023 10:57



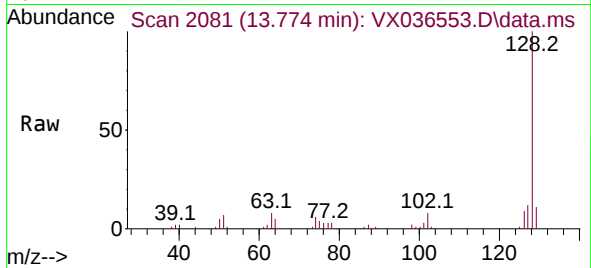
Tgt Ion:225 Resp: 1908
Ion Ratio Lower Upper
225 100
223 56.0 0.0 124.2
227 53.7 0.0 120.4





#91
Naphthalene
Concen: 2.039 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. -0.000 min
Lab File: VX036553.D
Acq: 14 Jul 2023 10:57

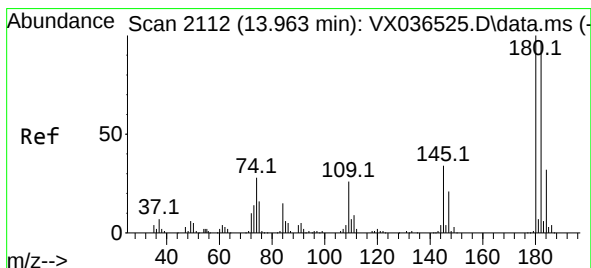
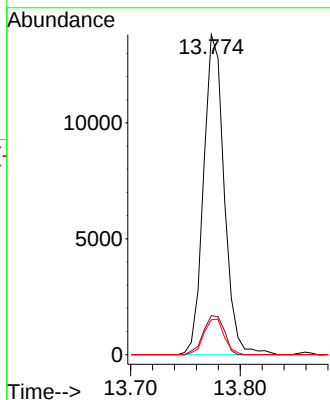
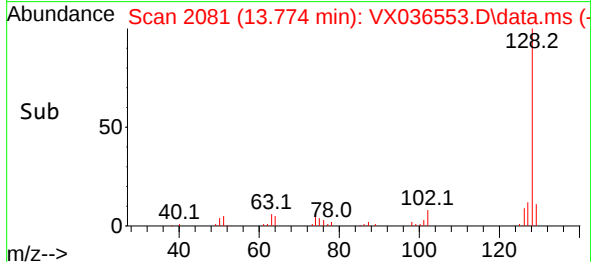
Instrument :
MSVOA_X
ClientSampleId :
MDL-WATER-03-QT3-2023



Tgt Ion:128 Resp: 1804
Ion Ratio Lower Upper
128 100
127 12.5 10.3 15.5
129 11.0 8.7 13.1

Manual Integrations
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Reviewed By :John Carlone 07/17/2023
Supervised By :Semsettin Yesilyurt 07/17/2023



#92
1,2,3-Trichlorobenzene
Concen: 1.978 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. -0.000 min
Lab File: VX036553.D
Acq: 14 Jul 2023 10:57

Tgt Ion:180 Resp: 5033
Ion Ratio Lower Upper
180 100
182 90.3 0.0 190.6
145 35.5 0.0 66.8

