

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU071823\
 Data File : VU054803.D
 Acq On : 18 Jul 2023 12:51
 Operator : MD/SY
 Sample : 03573-02
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-QT3-2023-06

Quant Time: Jul 19 04:01:54 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM071723WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Jul 19 02:47:32 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 07/19/2023
 Supervised By : Mahesh Dadoda 07/19/2023

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

Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	237450	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	227502	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.811	152	124558	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	80474	43.849	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	87.700%		
7) Chloroethane-d5	1.879	69	81427	44.353	ug/L	-0.03
Spiked Amount 50.000	Range 70 - 130		Recovery =	88.700%		
11) 1,1-Dichloroethene-d2	2.554	63	86988	33.043	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	66.080%		
21) 2-Butanone-d5	4.618	46	114583	97.134	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	97.130%		
24) Chloroform-d	5.055	84	128643	45.030	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	90.060%		
26) 1,2-Dichloroethane-d4	5.695	65	81179	47.453	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	94.900%		
32) Benzene-d6	5.721	84	263161	48.561	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	97.120%		
36) 1,2-Dichloropropane-d6	6.685	67	89528	49.063	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	98.120%		
41) Toluene-d8	7.894	98	253116	49.016	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	98.040%		
43) trans-1,3-Dichloroprop...	8.177	79	43570	46.676	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	93.360%		
47) 2-Hexanone-d5	8.627	63	82395	95.523	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	95.520%		
56) 1,1,2,2-Tetrachloroeth...	10.753	84	157404	46.963	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	93.920%		
66) 1,2-Dichlorobenzene-d4	12.190	152	105395	49.241	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	98.480%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.380	85	4724	2.632	ug/L	96
3) Chloromethane	1.518	50	7181	3.509	ug/L	95
5) Vinyl chloride	1.602	62	7381m	2.774	ug/L	
6) Bromomethane	1.827	94	5409	3.340	ug/L	99
8) Chloroethane	1.904	64	5051m	2.744	ug/L	
9) Trichlorofluoromethane	2.120	101	11017	2.587	ug/L	95
10) 1,1,2-Trichloro-1,2,2-...	2.567	101	4781	3.043	ug/L #	39
12) 1,1-Dichloroethene	2.567	96	4640	3.141	ug/L #	1
13) Acetone	2.621	43	4957m	4.996	ug/L	
14) Carbon disulfide	2.782	76	11253	2.608	ug/L	98
15) Methyl Acetate	2.946	43	4402	2.660	ug/L	94
17) trans-1,2-Dichloroethene	3.345	96	3834	2.507	ug/L	81
18) Methyl tert-butyl Ether	3.364	73	13328	2.518	ug/L #	86
19) 1,1-Dichloroethane	3.856	63	7231	2.478	ug/L	91
20) cis-1,2-Dichloroethene	4.660	96	4462	2.455	ug/L	89
22) 2-Butanone	4.714	43	7309m	5.336	ug/L	
23) Bromochloromethane	4.972	128	2246	2.429	ug/L #	83
25) Chloroform	5.078	83	8532m	2.788	ug/L	
27) 1,2-Dichloroethane	5.792	62	6525	2.808	ug/L	100

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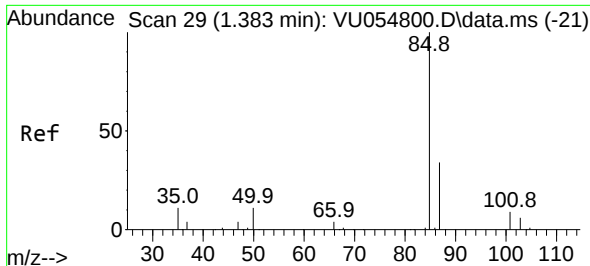
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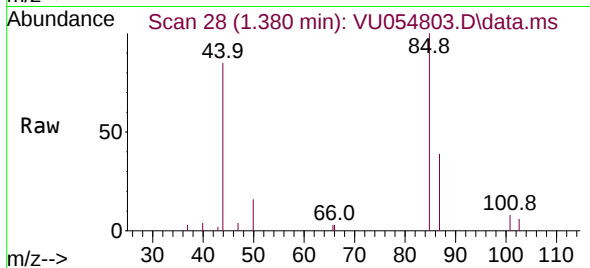
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
29) Cyclohexane	5.380	56	6279	2.510	ug/L #	80
30) 1,1,1-Trichloroethane	5.309	97	6804	2.695	ug/L #	87
31) Carbon tetrachloride	5.515	117	5328m	2.444	ug/L	
33) Benzene	5.772	78	17283	2.651	ug/L	100
34) Trichloroethene	6.538	95	4159	2.507	ug/L	80
35) Methylcyclohexane	6.756	83	7725	2.849	ug/L	91
37) 1,2-Dichloropropane	6.785	63	5108	2.849	ug/L #	88
38) Bromodichloromethane	7.103	83	5364	2.332	ug/L	90
39) cis-1,3-Dichloropropene	7.605	75	7641m	2.584	ug/L	
40) 4-Methyl-2-pentanone	7.792	43	13894	5.062	ug/L	98
42) Toluene	7.968	91	17701	2.427	ug/L	92
44) trans-1,3-Dichloropropene	8.206	75	7346	2.644	ug/L	94
45) 1,1,2-Trichloroethane	8.396	97	4632	2.534	ug/L	90
46) Tetrachloroethene	8.550	164	3301	2.595	ug/L	96
48) 2-Hexanone	8.682	43	16325	7.179	ug/L #	85
49) Dibromochloromethane	8.808	129	4502	2.391	ug/L	96
50) 1,2-Dibromoethane	8.920	107	4824	2.452	ug/L #	87
51) Chlorobenzene	9.444	112	12810	2.700	ug/L	94
52) Ethylbenzene	9.570	91	22059	2.616	ug/L	99
53) m,p-Xylene	9.692	106	8297	2.584	ug/L	99
54) o-Xylene	10.100	106	7866	2.412	ug/L	97
55) Styrene	10.116	104	13297	2.341	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.775	83	9252	2.564	ug/L #	97
59) Bromoform	10.290	173	3137	2.013	ug/L #	57
60) 1,2,3-Trichloropropane	10.820	75	6389	2.629	ug/L #	89
61) Isopropylbenzene	10.479	105	21567	2.621	ug/L	98
62) 1,3,5-Trimethylbenzene	11.087	105	16682	2.461	ug/L	94
63) 1,2,4-Trimethylbenzene	11.467	105	16335	2.432	ug/L	99
64) 1,3-Dichlorobenzene	11.746	146	8583	2.249	ug/L	87
65) 1,4-Dichlorobenzene	11.833	146	10043	2.612	ug/L	93
67) 1,2-Dichlorobenzene	12.209	146	10200	2.660	ug/L	93
68) 1,2-Dibromo-3-chloropr...	13.000	75	1620	2.494	ug/L #	1
69) 1,3,5-Trichlorobenzene	13.219	180	4052	1.584	ug/L #	61
70) 1,2,4-trichlorobenzene	13.839	180	3926	1.777	ug/L #	56
71) Naphthalene	14.090	128	19312	2.664	ug/L #	94
72) 1,2,3-Trichlorobenzene	14.328	180	5858	2.723	ug/L #	43

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



#2
 Dichlorodifluoromethane
 Concen: 2.632 ug/L
 RT: 1.380 min Scan# 21
 Delta R.T. -0.003 min
 Lab File: VU054803.D
 Acq: 18 Jul 2023 12:51

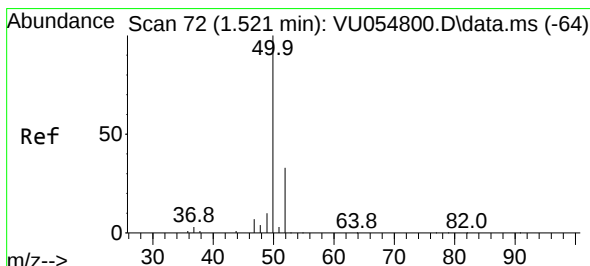
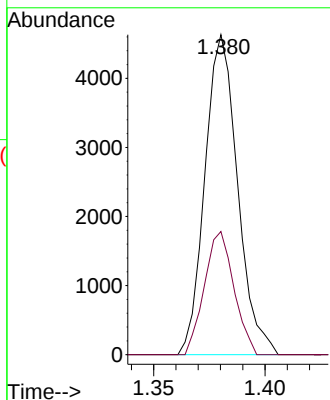
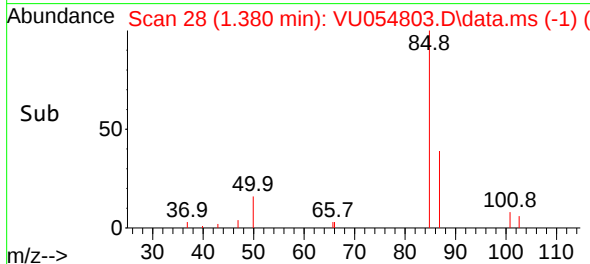
Instrument : MSVOA_U
 ClientSampleId :
 MDL-WATER-QT3-2023-06



Tgt Ion: 85 Resp: 4724
 Ion Ratio Lower Upper
 85 100
 87 34.7 26.2 39.2

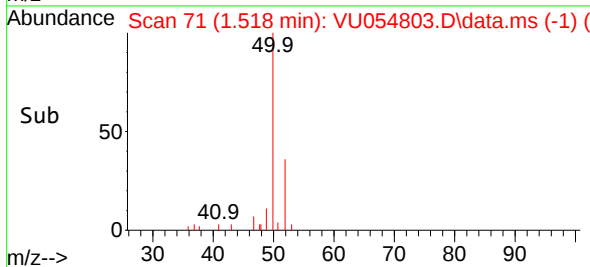
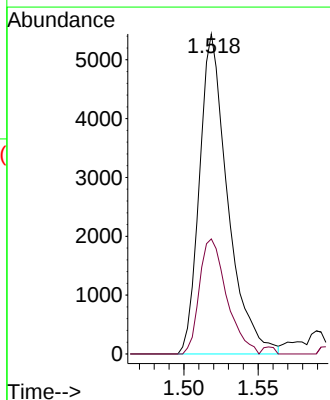
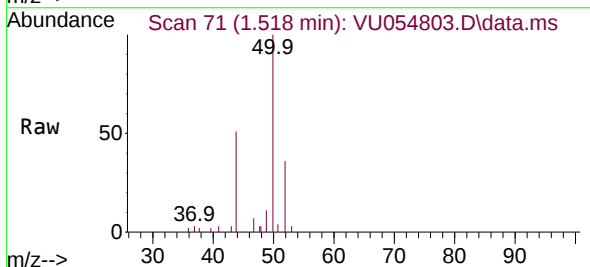
Manual Integrations
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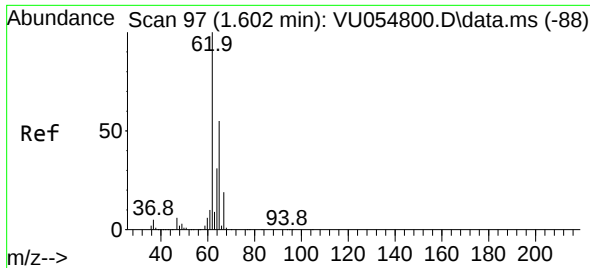
Reviewed By :John Carlone 07/19/2023
 Supervised By :Mahesh Dadoda 07/19/2023



#3
 Chloromethane
 Concen: 3.509 ug/L
 RT: 1.518 min Scan# 71
 Delta R.T. -0.003 min
 Lab File: VU054803.D
 Acq: 18 Jul 2023 12:51

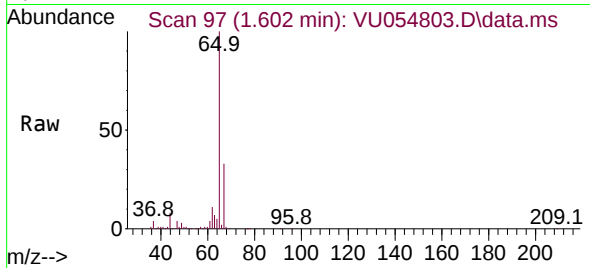
Tgt Ion: 50 Resp: 7181
 Ion Ratio Lower Upper
 50 100
 52 34.7 22.5 41.9





#5
 Vinyl chloride
 Concen: 2.774 ug/L m
 RT: 1.602 min Scan# 91
 Delta R.T. 0.000 min
 Lab File: VU054803.D
 Acq: 18 Jul 2023 12:51

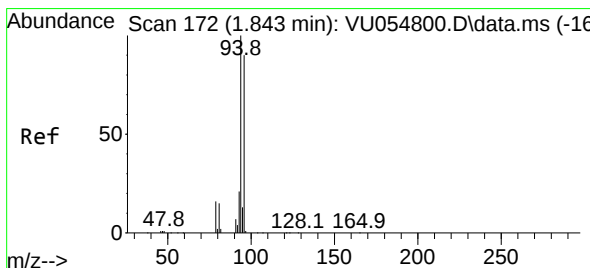
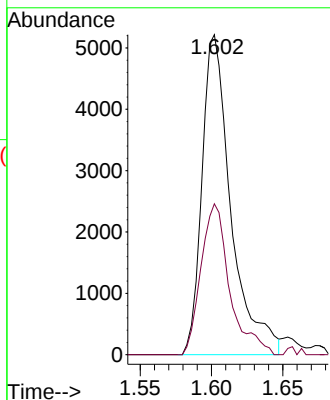
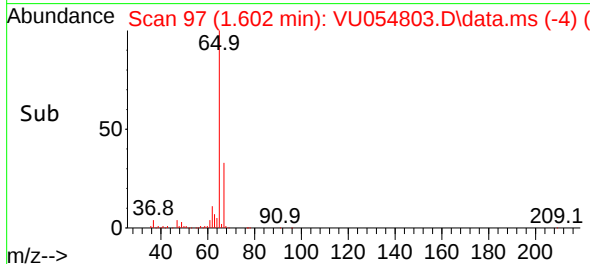
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-QT3-2023-06



Tgt Ion: 62 Resp: 738
 Ion Ratio Lower Upper
 62 100
 64 47.2 22.9 42.5

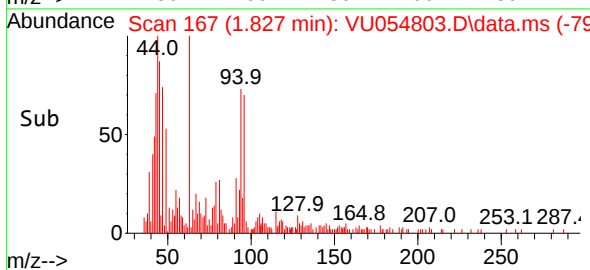
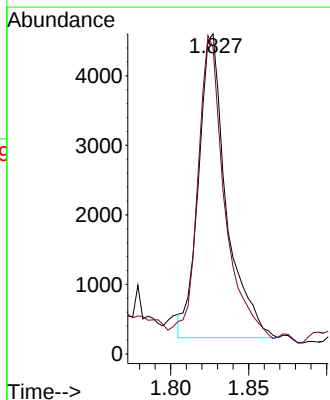
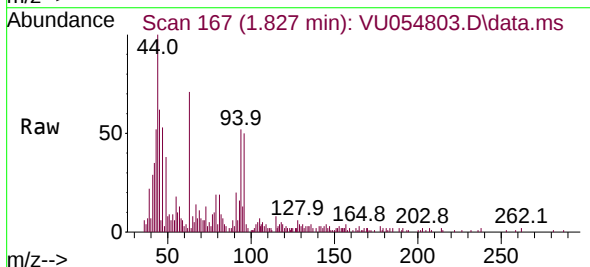
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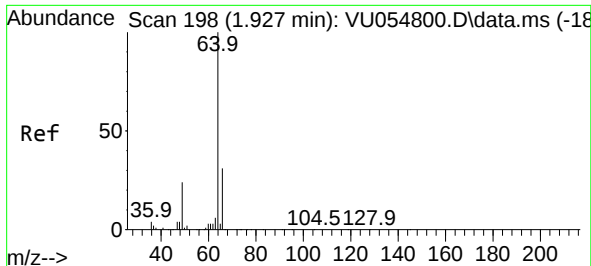
Reviewed By :John Carlone 07/19/2023
 Supervised By :Mahesh Dadoda 07/19/2023



#6
 Bromomethane
 Concen: 3.340 ug/L
 RT: 1.827 min Scan# 167
 Delta R.T. -0.016 min
 Lab File: VU054803.D
 Acq: 18 Jul 2023 12:51

Tgt Ion: 94 Resp: 5409
 Ion Ratio Lower Upper
 94 100
 96 95.7 66.1 122.8





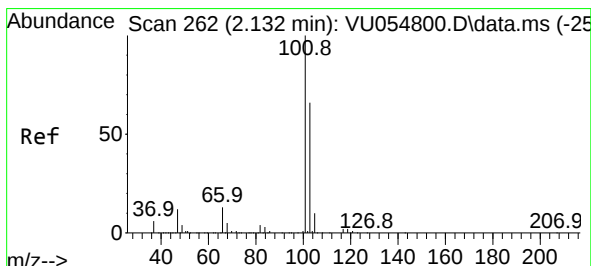
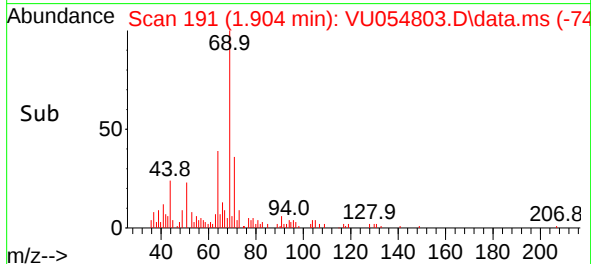
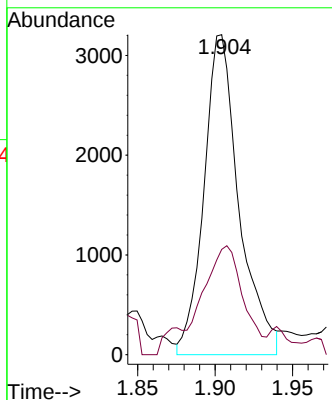
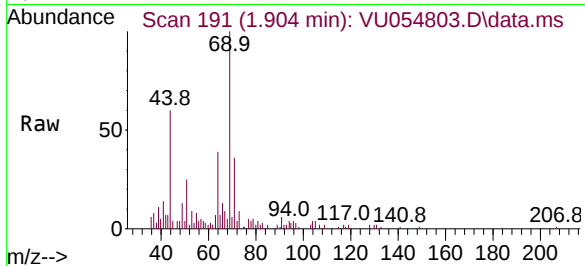
#8
Chloroethane
Concen: 2.744 ug/L m
RT: 1.904 min Scan# 198
Delta R.T. -0.022 min
Lab File: VU054803.D
Acq: 18 Jul 2023 12:51

Instrument : MSVOA_U
ClientSampleId : MDL-WATER-QT3-2023-06

Tgt Ion: 64 Resp: 505
Ion Ratio Lower Upper
64 100
66 32.9 22.8 42.4

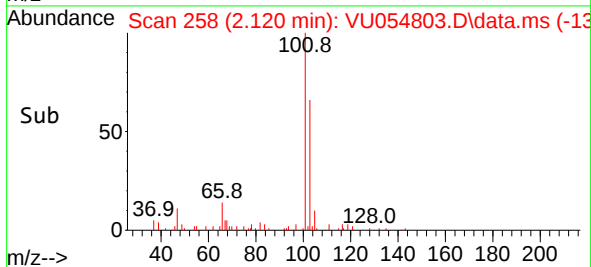
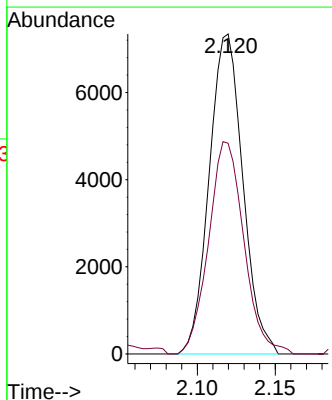
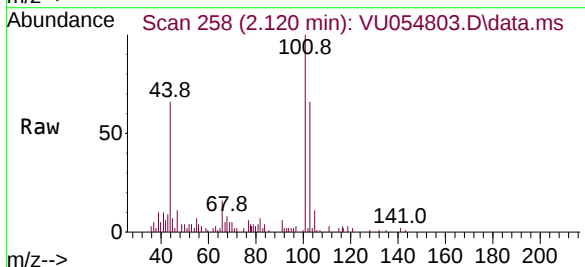
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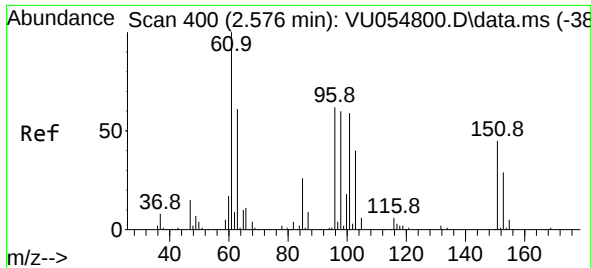
Reviewed By :John Carlone 07/19/2023
Supervised By :Mahesh Dadoda 07/19/2023



#9
Trichlorofluoromethane
Concen: 2.587 ug/L
RT: 2.120 min Scan# 258
Delta R.T. -0.013 min
Lab File: VU054803.D
Acq: 18 Jul 2023 12:51

Tgt Ion:101 Resp: 11017
Ion Ratio Lower Upper
101 100
103 69.5 52.2 78.2





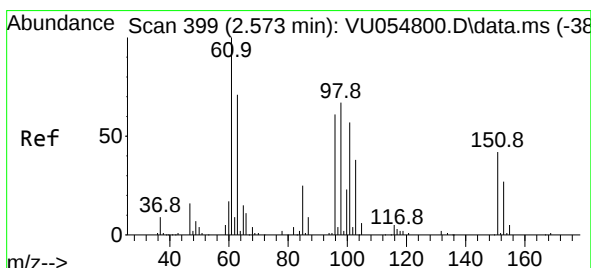
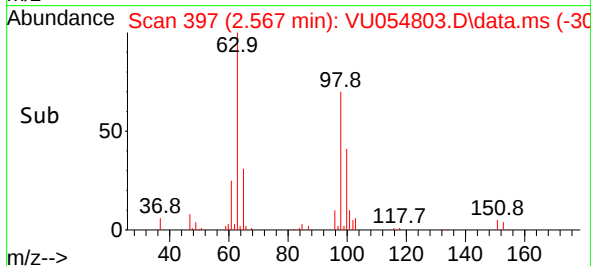
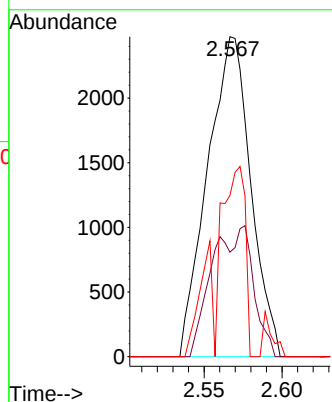
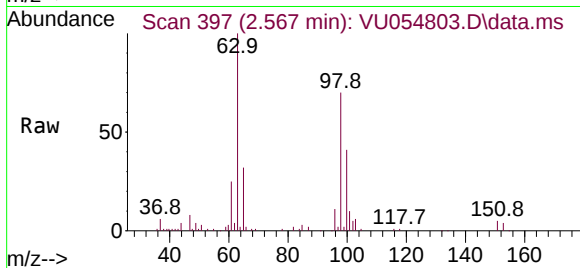
#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 3.043 ug/L
RT: 2.567 min Scan# 397
Delta R.T. -0.009 min
Lab File: VU054803.D
Acq: 18 Jul 2023 12:51

Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT3-2023-06

Tgt Ion:101 Resp: 478
Ion Ratio Lower Upper
101 100
85 20.4 35.3 52.9
151 9.6 58.2 87.4

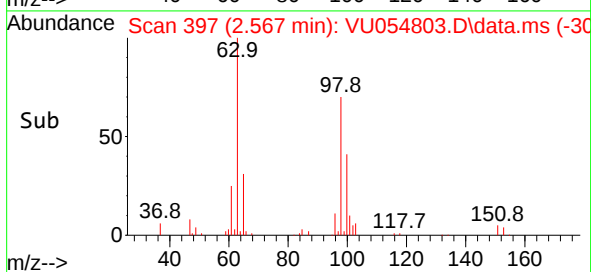
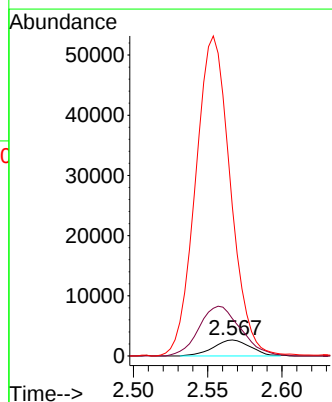
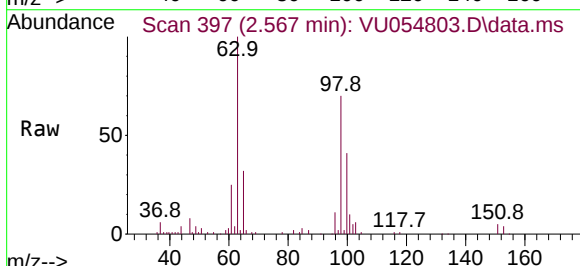
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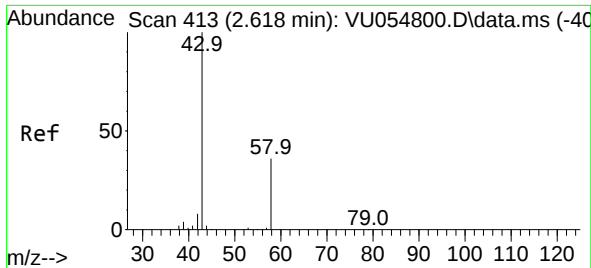
Reviewed By :John Carlone 07/19/2023
Supervised By :Mahesh Dadoda 07/19/2023



#12
1,1-Dichloroethene
Concen: 3.141 ug/L
RT: 2.567 min Scan# 397
Delta R.T. -0.006 min
Lab File: VU054803.D
Acq: 18 Jul 2023 12:51

Tgt Ion: 96 Resp: 4640
Ion Ratio Lower Upper
96 100
61 232.0 115.0 213.6#
63 929.7 77.6 144.0#





#13

Acetone

Concen: 4.996 ug/L m

RT: 2.621 min Scan# 41

Delta R.T. 0.003 min

Lab File: VU054803.D

Acq: 18 Jul 2023 12:51

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-QT3-2023-06

Tgt Ion: 43 Resp: 495

Ion Ratio Lower Upper

43 100

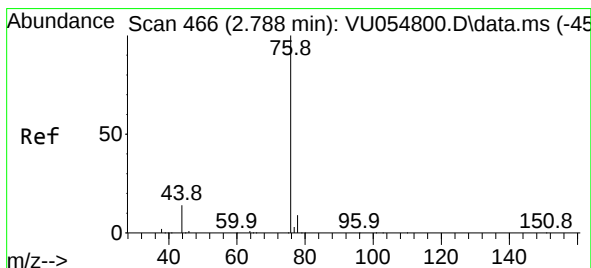
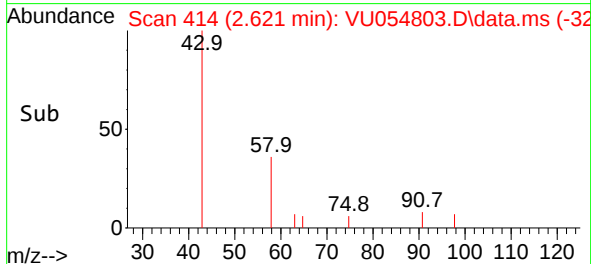
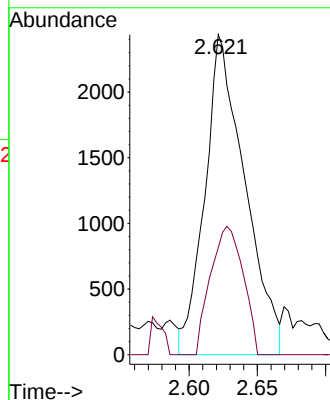
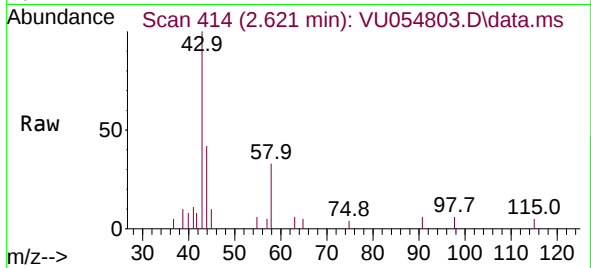
58 32.8 0.0 72.4

Manual Integrations

APPROVED

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#14

Carbon disulfide

Concen: 2.608 ug/L

RT: 2.782 min Scan# 464

Delta R.T. -0.006 min

Lab File: VU054803.D

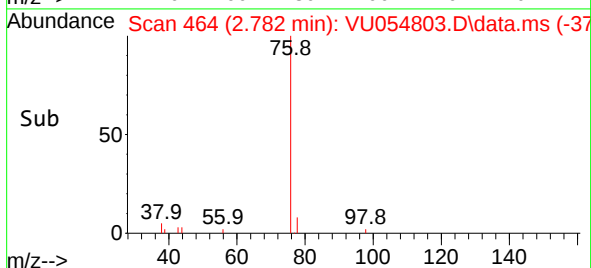
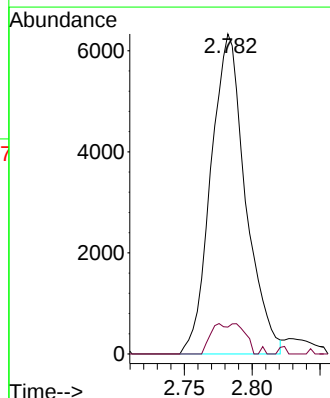
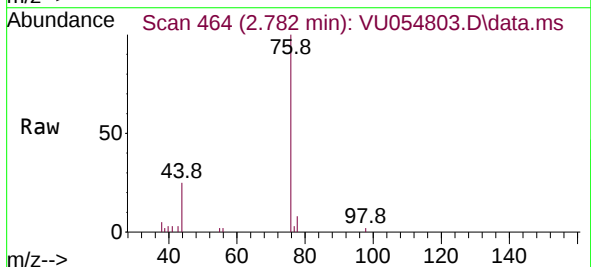
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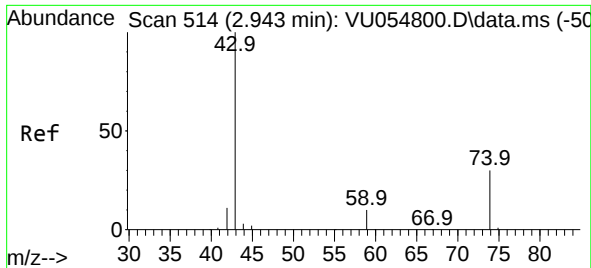
Tgt Ion: 76 Resp: 11253

Ion Ratio Lower Upper

76 100

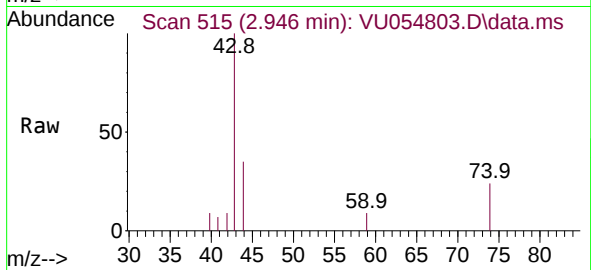
78 8.4 7.4 11.0





#15
Methyl Acetate
Concen: 2.660 ug/L
RT: 2.946 min Scan# 514
Delta R.T. 0.003 min
Lab File: VU054803.D
Acq: 18 Jul 2023 12:51

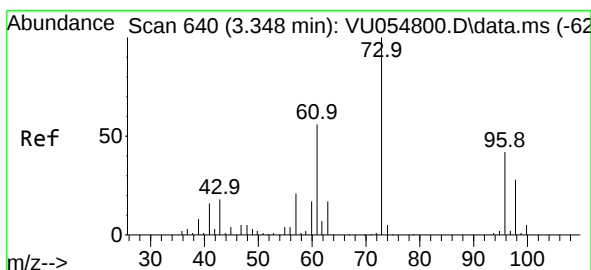
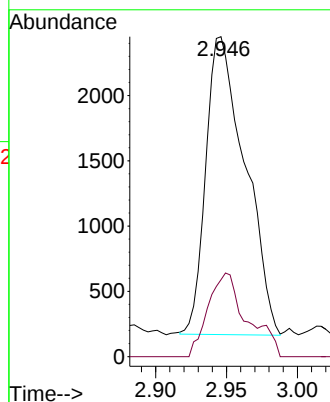
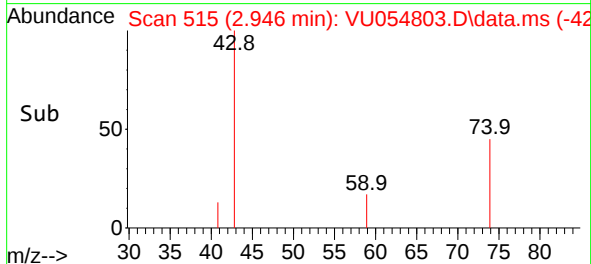
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT3-2023-06



Tgt Ion: 43 Resp: 440
Ion Ratio Lower Upper
43 100
74 24.3 21.8 32.8

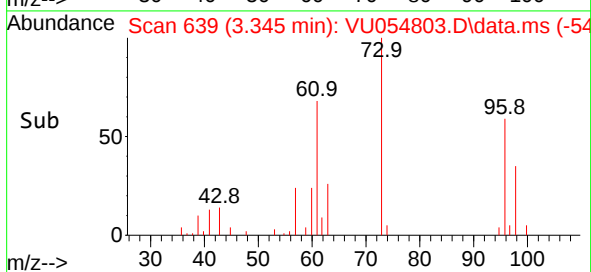
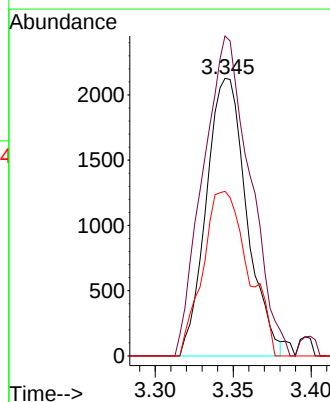
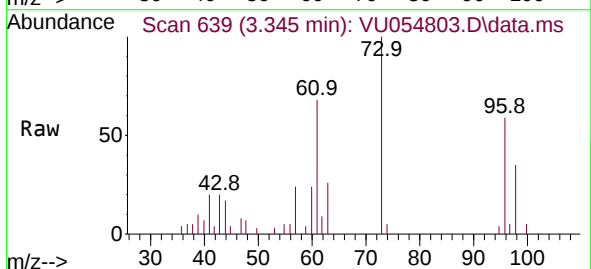
Manual Integrations
APPROVED

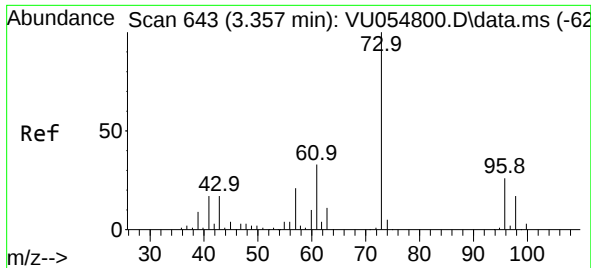
Reviewed By :John Carlone 07/19/2023
Supervised By :Mahesh Dadoda 07/19/2023



#17
trans-1,2-Dichloroethene
Concen: 2.507 ug/L
RT: 3.345 min Scan# 639
Delta R.T. -0.003 min
Lab File: VU054803.D
Acq: 18 Jul 2023 12:51

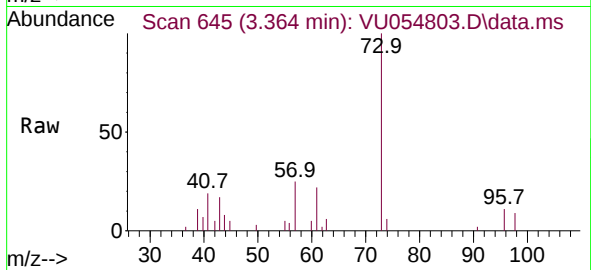
Tgt Ion: 96 Resp: 3834
Ion Ratio Lower Upper
96 100
61 106.4 93.2 173.2
98 54.7 44.7 82.9





#18
Methyl tert-butyl Ether
Concen: 2.518 ug/L
RT: 3.364 min Scan# 643
Delta R.T. 0.007 min
Lab File: VU054803.D
Acq: 18 Jul 2023 12:51

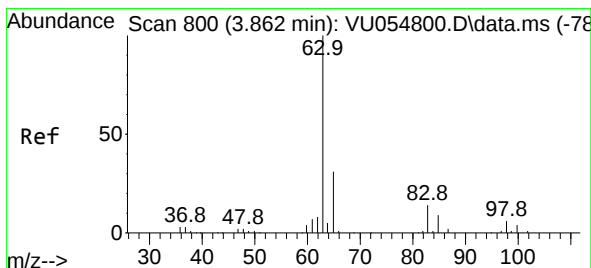
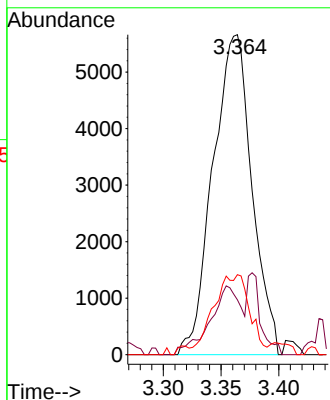
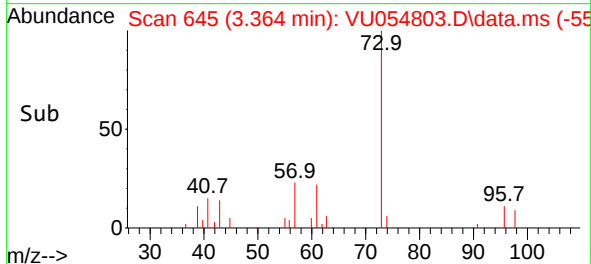
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT3-2023-06



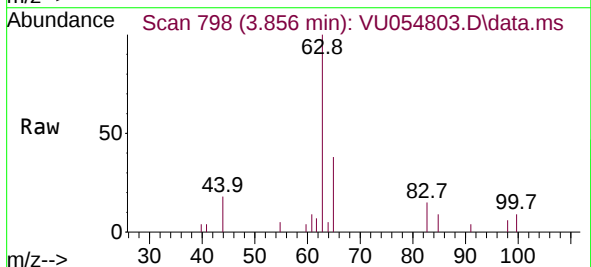
Tgt Ion: 73 Resp: 13328
Ion Ratio Lower Upper
73 100
43 15.1 14.3 21.5
57 11.8 17.4 26.0

Manual Integrations
APPROVED

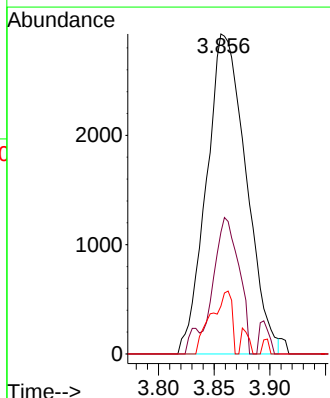
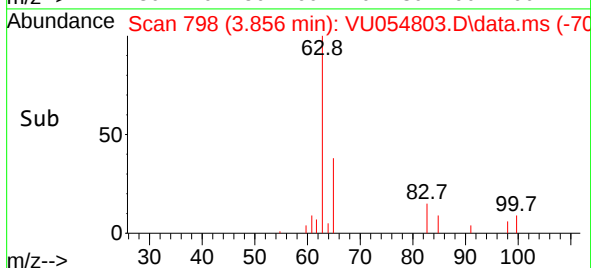
Reviewed By :John Carlone 07/19/2023
Supervised By :Mahesh Dadoda 07/19/2023

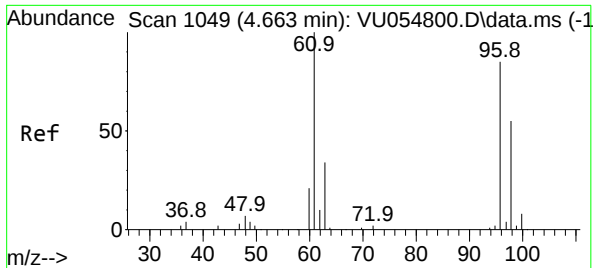


#19
1,1-Dichloroethane
Concen: 2.478 ug/L
RT: 3.856 min Scan# 798
Delta R.T. -0.006 min
Lab File: VU054803.D
Acq: 18 Jul 2023 12:51



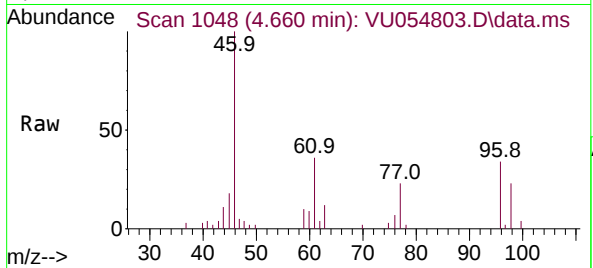
Tgt Ion: 63 Resp: 7231
Ion Ratio Lower Upper
63 100
65 38.0 22.1 41.1
83 14.9 9.4 17.4





#20
cis-1,2-Dichloroethene
Concen: 2.455 ug/L
RT: 4.660 min Scan# 1048
Delta R.T. -0.003 min
Lab File: VU054803.D
Acq: 18 Jul 2023 12:51

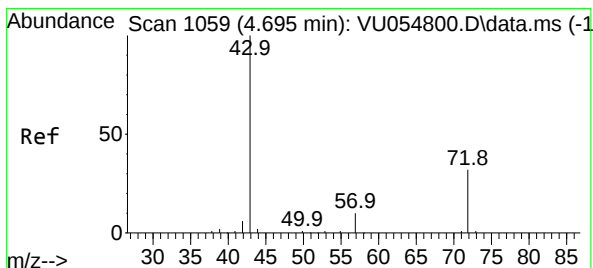
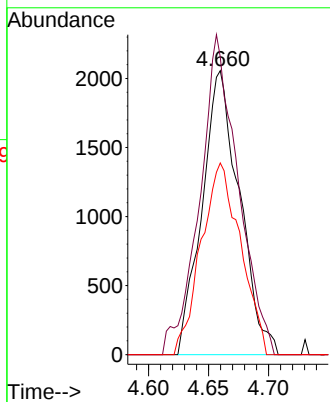
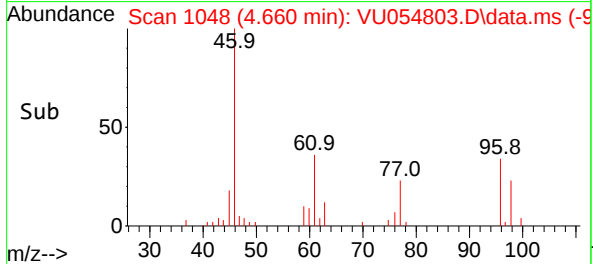
Instrument : MSVOA_U
ClientSampleId : MDL-WATER-QT3-2023-06



Tgt Ion: 96 Resp: 4462
Ion Ratio Lower Upper
96 100
61 99.6 82.7 153.7
98 64.1 44.4 82.5

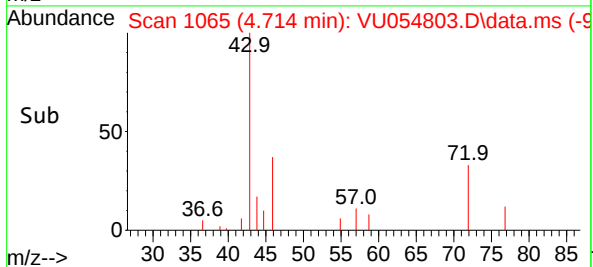
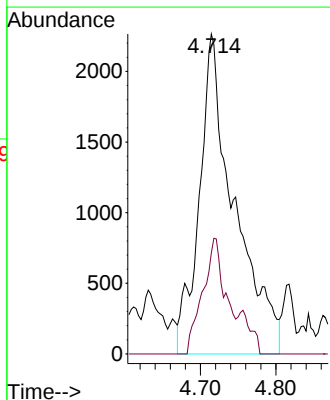
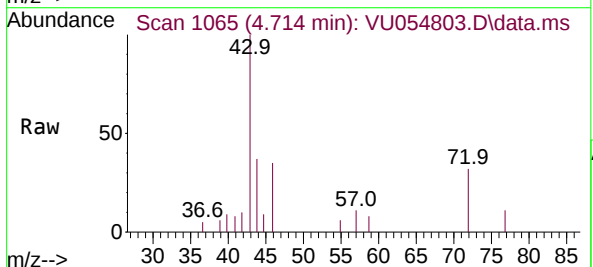
Manual Integrations
APPROVED

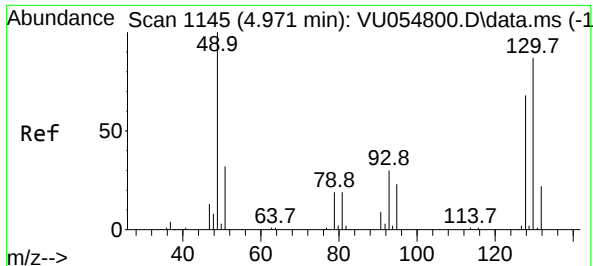
Reviewed By :John Carlone 07/19/2023
Supervised By :Mahesh Dadoda 07/19/2023



#22
2-Butanone
Concen: 5.336 ug/L m
RT: 4.714 min Scan# 1065
Delta R.T. 0.019 min
Lab File: VU054803.D
Acq: 18 Jul 2023 12:51

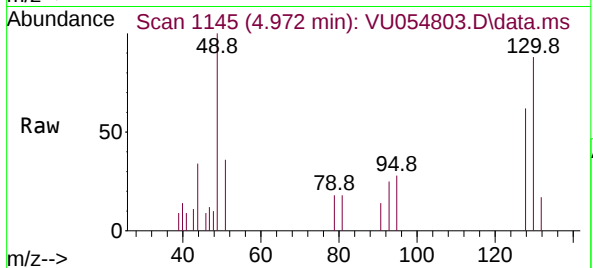
Tgt Ion: 43 Resp: 7309
Ion Ratio Lower Upper
43 100
72 18.8 15.2 45.6





#23
Bromochloromethane
Concen: 2.429 ug/L
RT: 4.972 min Scan# 1145
Delta R.T. 0.000 min
Lab File: VU054803.D
Acq: 18 Jul 2023 12:51

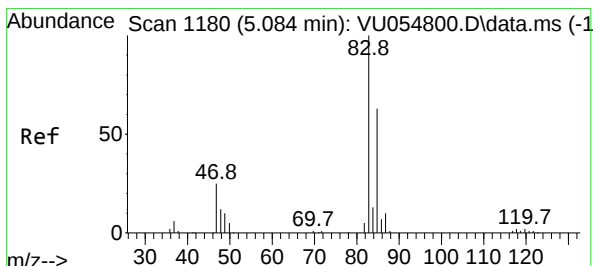
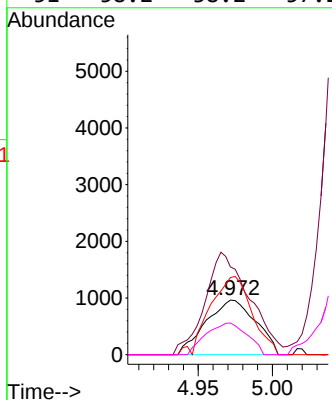
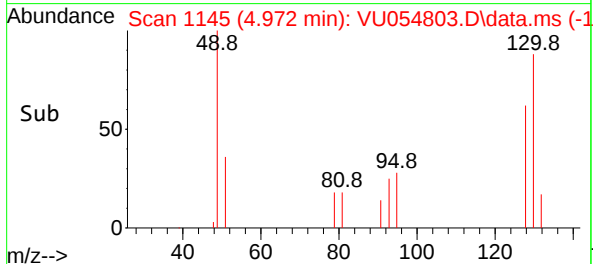
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT3-2023-06



Tgt Ion:128 Resp: 2240
Ion Ratio Lower Upper
128 100
49 161.1 100.6 186.8
130 141.3 83.0 154.1
51 58.2 38.2 57.2#

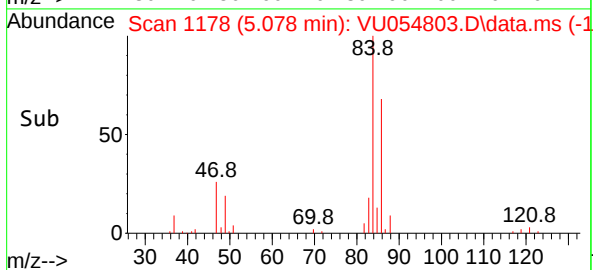
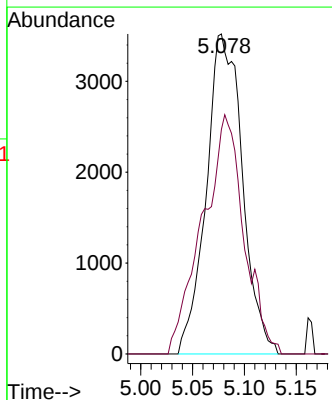
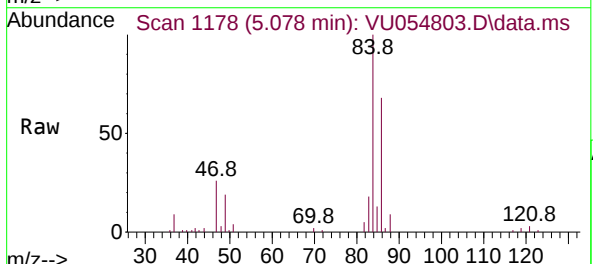
Manual Integrations
APPROVED

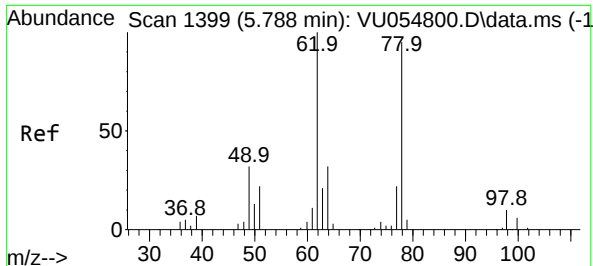
Reviewed By :John Carlone 07/19/2023
Supervised By :Mahesh Dadoda 07/19/2023



#25
Chloroform
Concen: 2.788 ug/L m
RT: 5.078 min Scan# 1178
Delta R.T. -0.006 min
Lab File: VU054803.D
Acq: 18 Jul 2023 12:51

Tgt Ion: 83 Resp: 8532
Ion Ratio Lower Upper
83 100
85 70.2 44.7 82.9





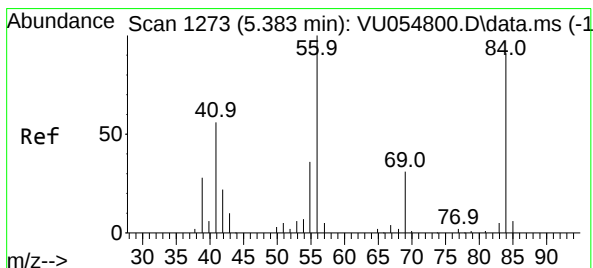
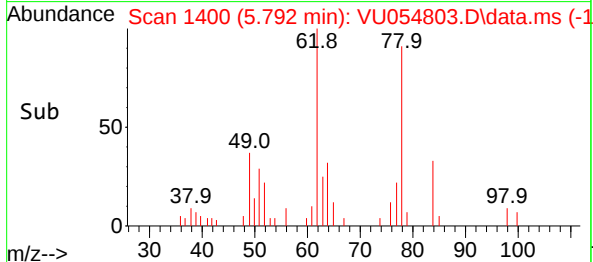
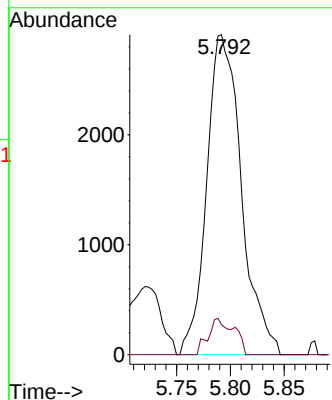
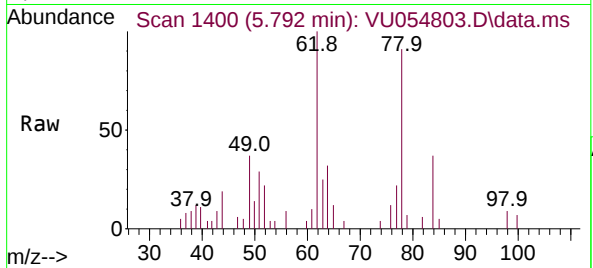
#27
1,2-Dichloroethane
Concen: 2.808 ug/L
RT: 5.792 min Scan# 1400
Delta R.T. 0.003 min
Lab File: VU054803.D
Acq: 18 Jul 2023 12:51

Instrument : MSVOA_U
ClientSampleId :
MDL-WATER-QT3-2023-06

Tgt Ion: 62 Resp: 6529
Ion Ratio Lower Upper
62 100
98 9.4 7.5 11.3

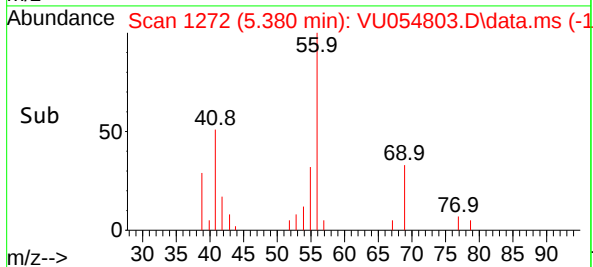
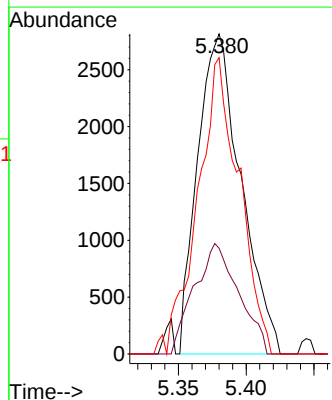
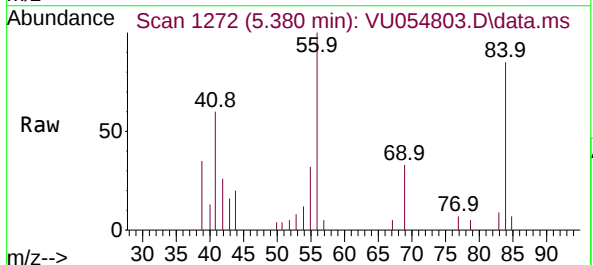
Manual Integrations
APPROVED

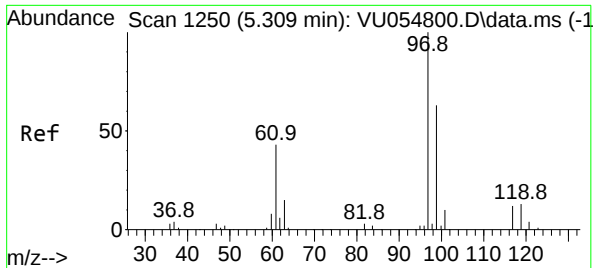
Reviewed By :John Carlone 07/19/2023
Supervised By :Mahesh Dadoda 07/19/2023



#29
Cyclohexane
Concen: 2.510 ug/L
RT: 5.380 min Scan# 1272
Delta R.T. -0.003 min
Lab File: VU054803.D
Acq: 18 Jul 2023 12:51

Tgt Ion: 56 Resp: 6279
Ion Ratio Lower Upper
56 100
69 35.2 25.8 38.8
84 71.0 75.9 113.9#





#30

1,1,1-Trichloroethane

Concen: 2.695 ug/L

RT: 5.309 min Scan# 1314

Delta R.T. 0.000 min

Lab File: VU054803.D

Acq: 18 Jul 2023 12:51

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-QT3-2023-06

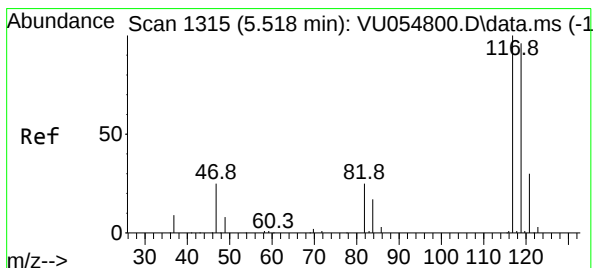
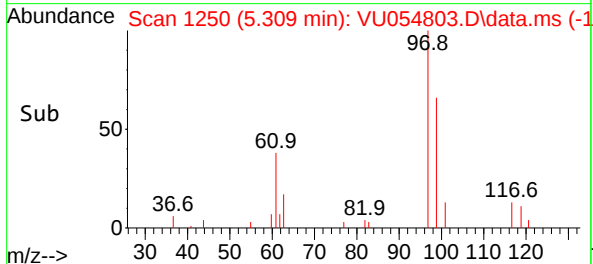
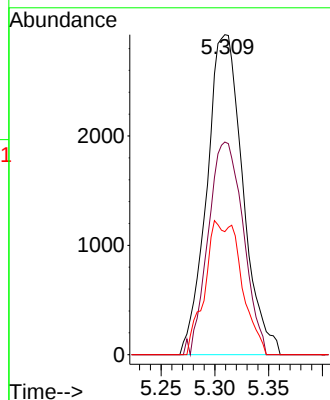
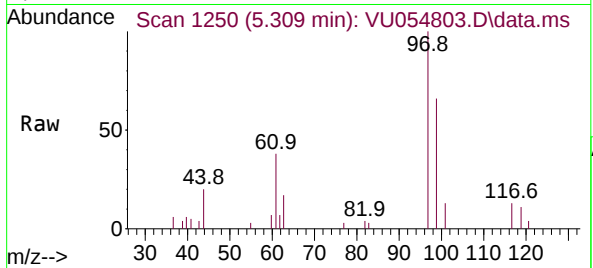
Tgt Ion: 97	Resp: 6804
Ion Ratio	Lower Upper
97	100
99	64.3 52.0 78.0
61	23.5 34.3 51.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/19/2023

Supervised By :Mahesh Dadoda 07/19/2023



#31

Carbon tetrachloride

Concen: 2.444 ug/L m

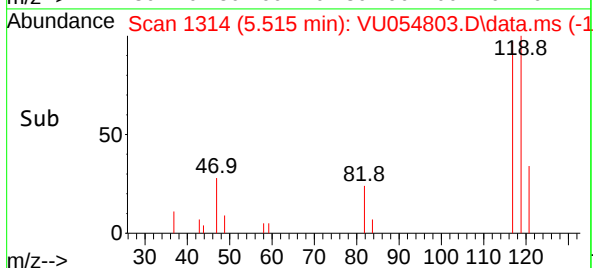
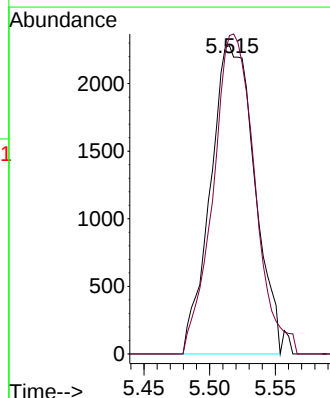
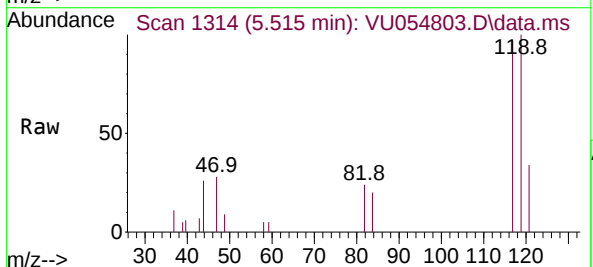
RT: 5.515 min Scan# 1314

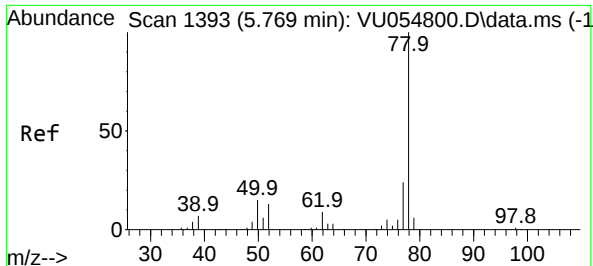
Delta R.T. -0.003 min

Lab File: VU054803.D

Acq: 18 Jul 2023 12:51

Tgt Ion: 117	Resp: 5328
Ion Ratio	Lower Upper
117	100
119	97.1 77.4 116.2





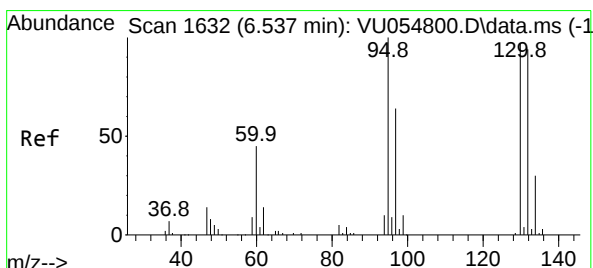
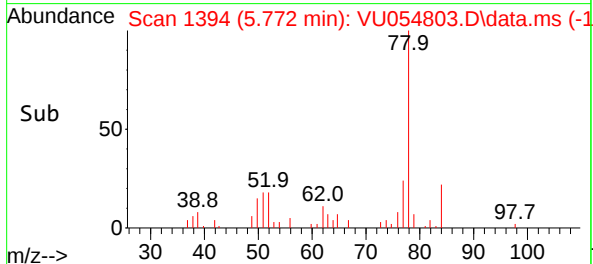
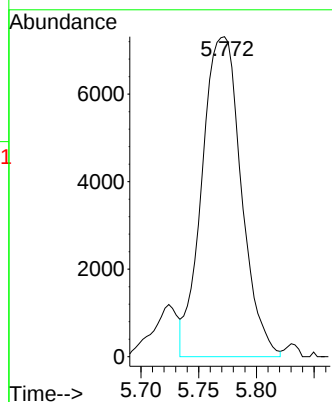
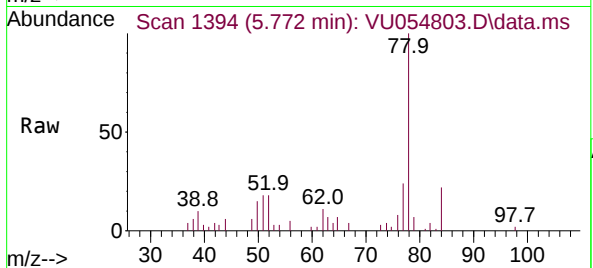
#33
Benzene
Concen: 2.651 ug/L
RT: 5.772 min Scan# 1394
Delta R.T. 0.003 min
Lab File: VU054803.D
Acq: 18 Jul 2023 12:51

Instrument : MSVOA_U
ClientSampleId : MDL-WATER-QT3-2023-06

Tgt Ion: 78 Resp: 1728

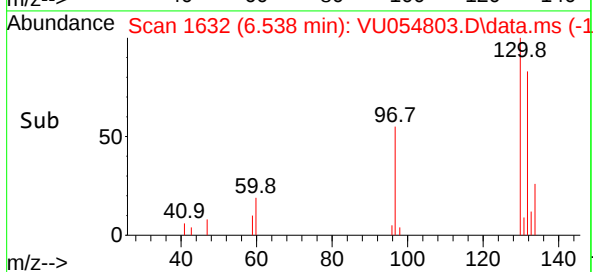
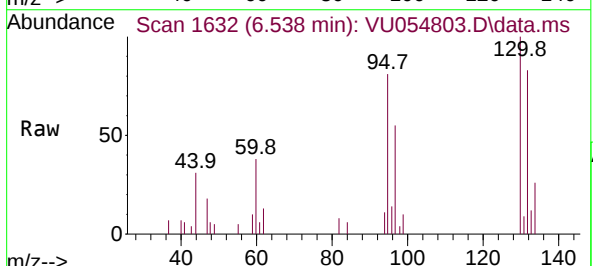
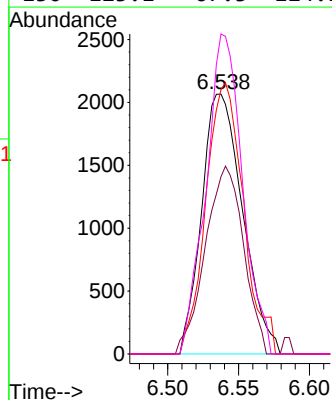
Manual Integrations
APPROVED

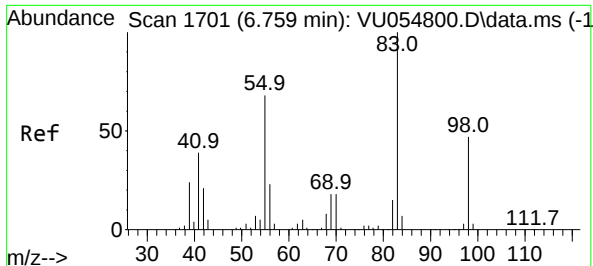
Reviewed By :John Carlone 07/19/2023
Supervised By :Mahesh Dadoda 07/19/2023



#34
Trichloroethene
Concen: 2.507 ug/L
RT: 6.538 min Scan# 1632
Delta R.T. 0.000 min
Lab File: VU054803.D
Acq: 18 Jul 2023 12:51

Tgt Ion: 95 Resp: 4159
Ion Ratio Lower Upper
95 100
97 68.2 44.0 81.8
132 116.9 67.9 126.1
130 123.1 67.3 124.9





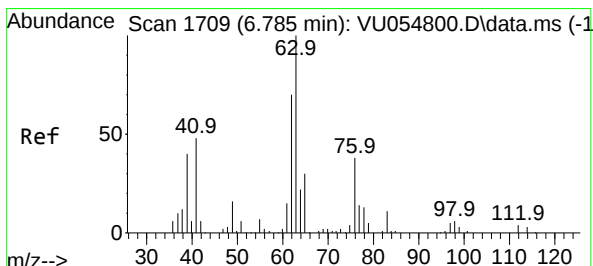
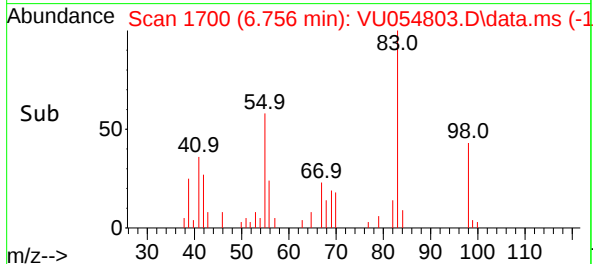
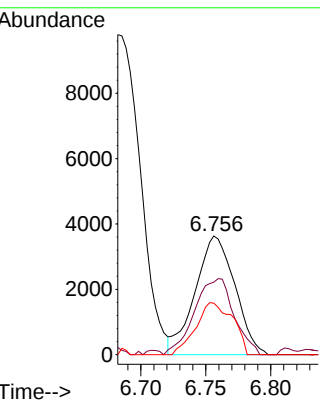
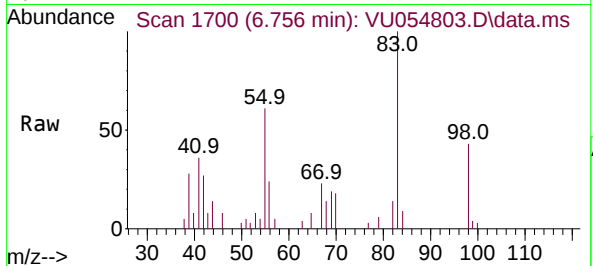
#35
Methylcyclohexane
Concen: 2.849 ug/L
RT: 6.756 min Scan# 1700
Delta R.T. -0.003 min
Lab File: VU054803.D
Acq: 18 Jul 2023 12:51

Instrument : MSVOA_U
ClientSampleId : MDL-WATER-QT3-2023-06

Tgt Ion: 83 Resp: 7725
Ion Ratio Lower Upper
83 100
55 63.8 55.8 83.8
98 40.7 38.6 58.0

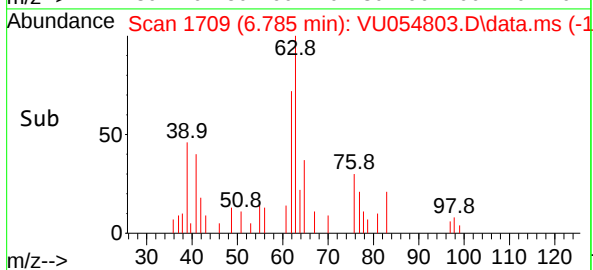
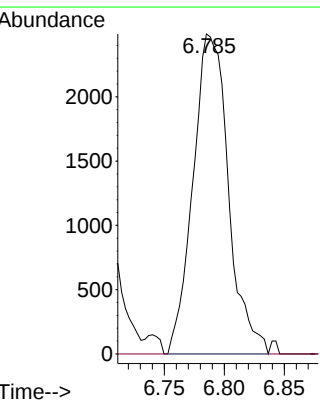
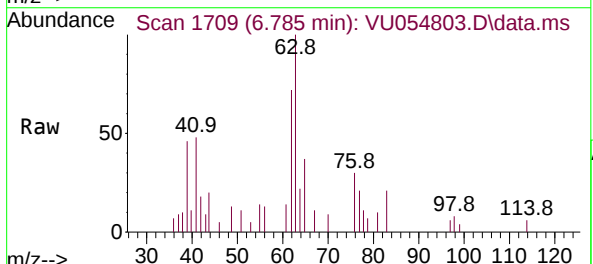
Manual Integrations
APPROVED

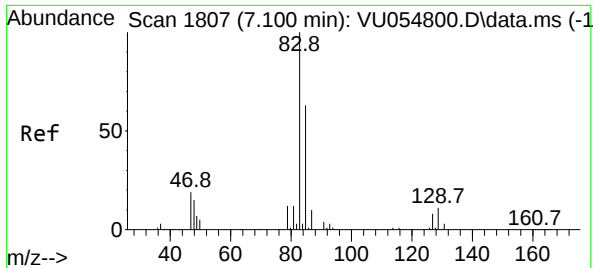
Reviewed By :John Carlone 07/19/2023
Supervised By :Mahesh Dadoda 07/19/2023



#37
1,2-Dichloropropane
Concen: 2.849 ug/L
RT: 6.785 min Scan# 1709
Delta R.T. 0.000 min
Lab File: VU054803.D
Acq: 18 Jul 2023 12:51

Tgt Ion: 63 Resp: 5108
Ion Ratio Lower Upper
63 100
112 0.0 3.1 4.7#





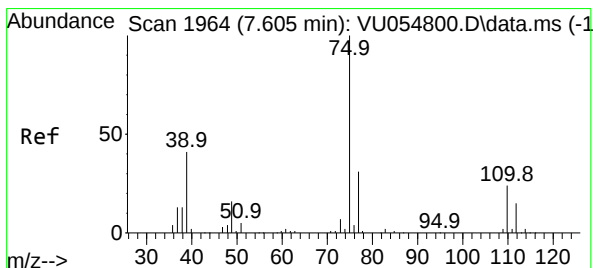
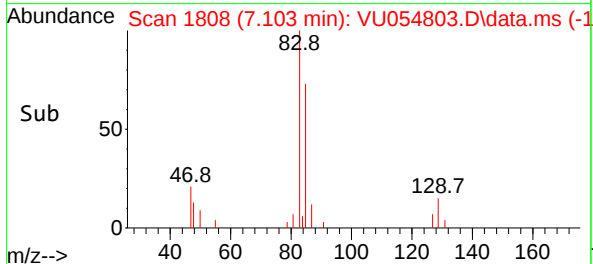
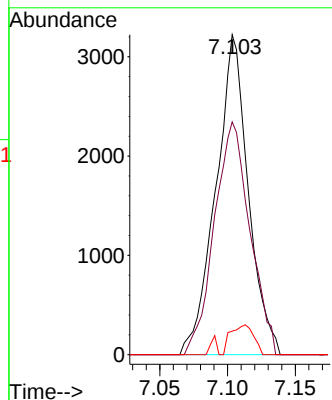
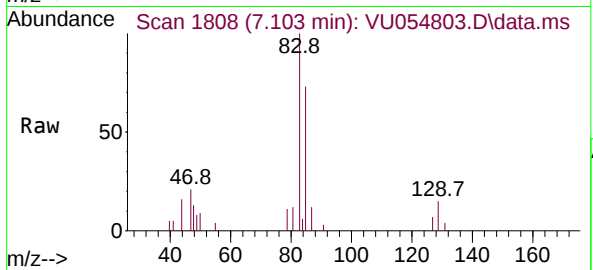
#38
Bromodichloromethane
Concen: 2.332 ug/L
RT: 7.103 min Scan# 1807
Delta R.T. 0.003 min
Lab File: VU054803.D
Acq: 18 Jul 2023 12:51

Instrument : MSVOA_U
ClientSampleId : MDL-WATER-QT3-2023-06

Tgt Ion: 83 Resp: 5364
Ion Ratio Lower Upper
83 100
85 72.7 44.9 83.3
127 7.3 7.2 10.8

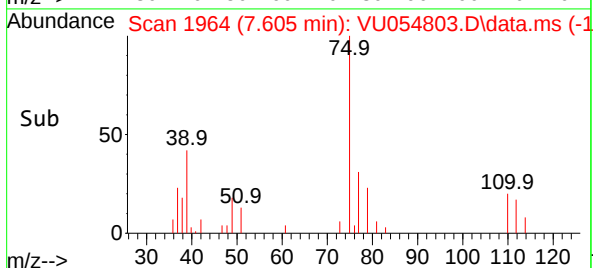
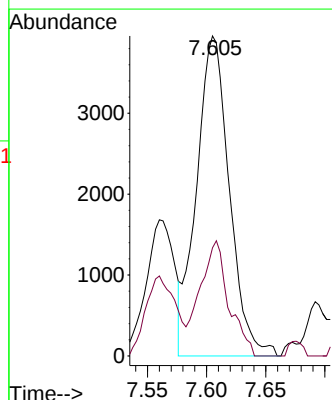
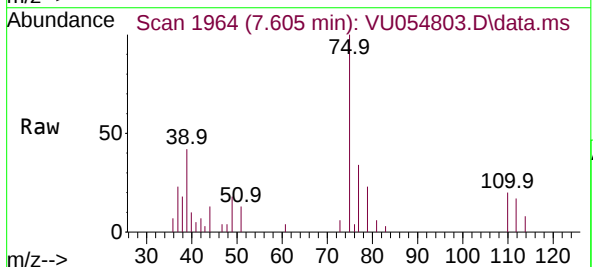
Manual Integrations
APPROVED

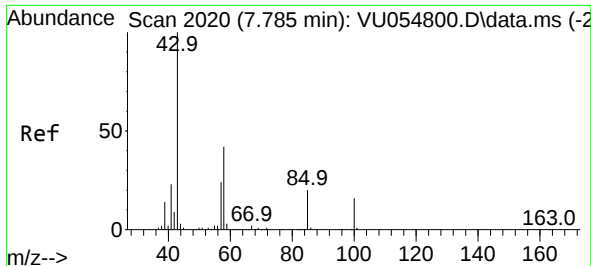
Reviewed By :John Carlone 07/19/2023
Supervised By :Mahesh Dadoda 07/19/2023



#39
cis-1,3-Dichloropropene
Concen: 2.584 ug/L m
RT: 7.605 min Scan# 1964
Delta R.T. 0.000 min
Lab File: VU054803.D
Acq: 18 Jul 2023 12:51

Tgt Ion: 75 Resp: 7641
Ion Ratio Lower Upper
75 100
77 33.8 21.1 39.1





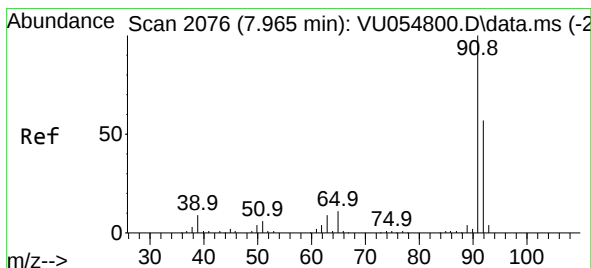
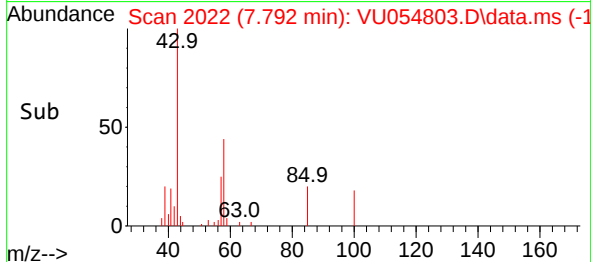
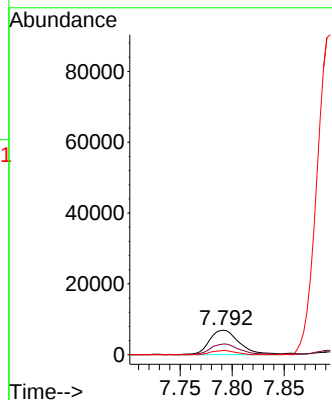
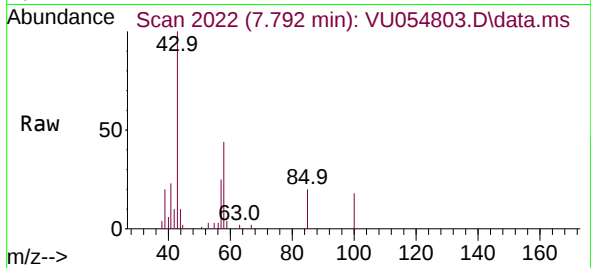
#40
4-Methyl-2-pentanone
Concen: 5.062 ug/L
RT: 7.792 min Scan# 2020
Delta R.T. 0.007 min
Lab File: VU054803.D
Acq: 18 Jul 2023 12:51

Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT3-2023-06

Tgt Ion: 43 Resp: 13894
Ion Ratio Lower Upper
43 100
58 42.2 33.7 50.5
100 13.8 13.0 19.4

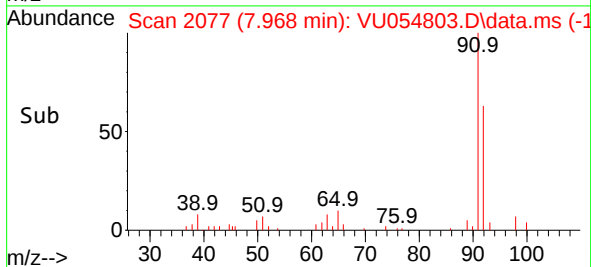
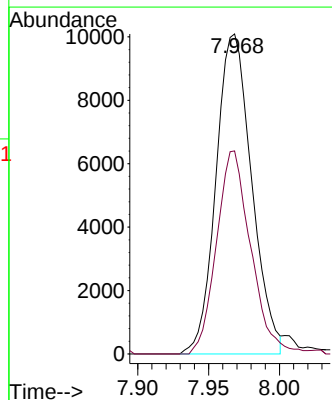
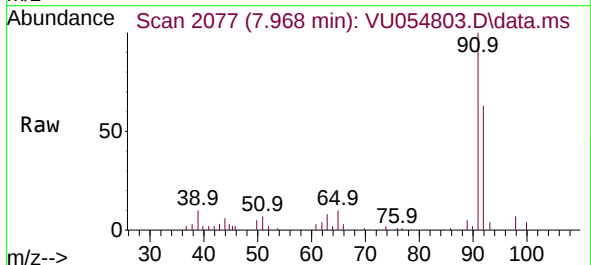
Manual Integrations
APPROVED

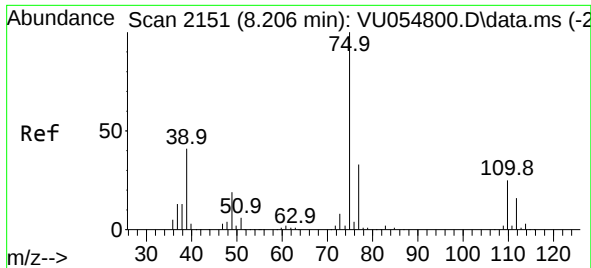
Reviewed By :John Carlone 07/19/2023
Supervised By :Mahesh Dadoda 07/19/2023



#42
Toluene
Concen: 2.427 ug/L
RT: 7.968 min Scan# 2077
Delta R.T. 0.003 min
Lab File: VU054803.D
Acq: 18 Jul 2023 12:51

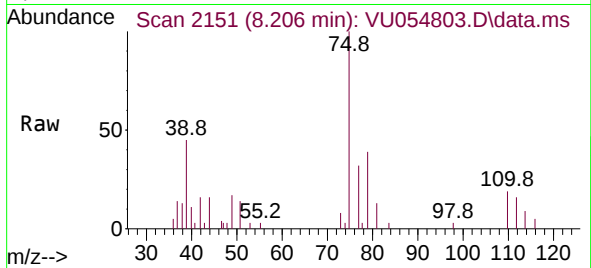
Tgt Ion: 91 Resp: 17701
Ion Ratio Lower Upper
91 100
92 63.4 40.1 74.5





#44
trans-1,3-Dichloropropene
Concen: 2.644 ug/L
RT: 8.206 min Scan# 2151
Delta R.T. 0.000 min
Lab File: VU054803.D
Acq: 18 Jul 2023 12:51

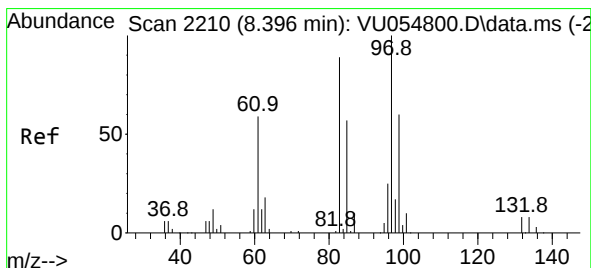
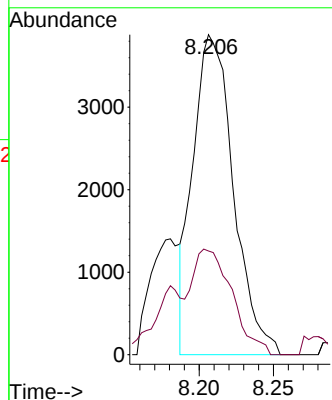
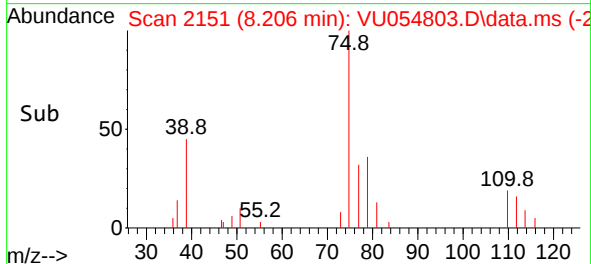
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT3-2023-06



Tgt Ion: 75 Resp: 7340
Ion Ratio Lower Upper
75 100
77 35.6 22.7 42.1

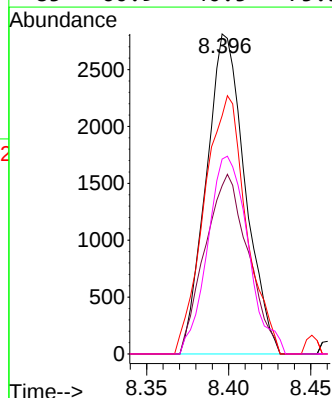
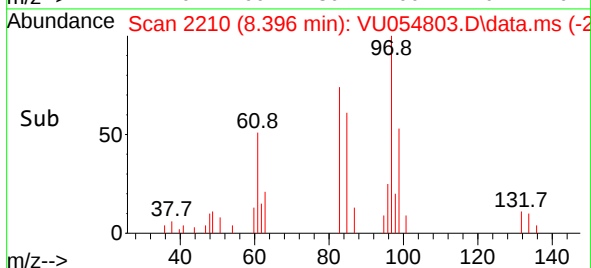
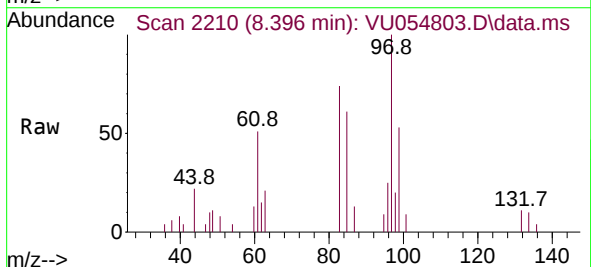
Manual Integrations
APPROVED

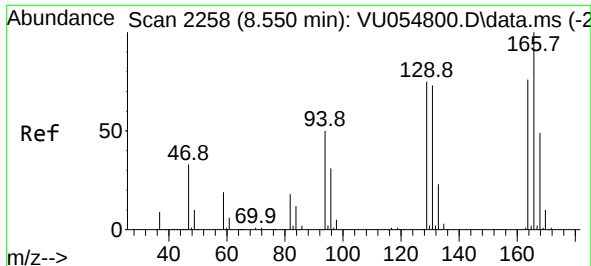
Reviewed By :John Carlone 07/19/2023
Supervised By :Mahesh Dadoda 07/19/2023



#45
1,1,2-Trichloroethane
Concen: 2.534 ug/L
RT: 8.396 min Scan# 2210
Delta R.T. 0.000 min
Lab File: VU054803.D
Acq: 18 Jul 2023 12:51

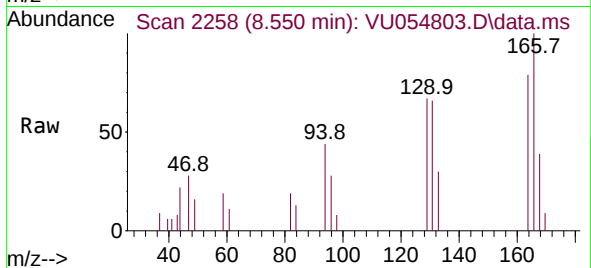
Tgt Ion: 97 Resp: 4632
Ion Ratio Lower Upper
97 100
99 52.6 43.3 80.5
83 74.5 60.6 112.6
85 60.9 40.5 75.3





#46
Tetrachloroethene
Concen: 2.595 ug/L
RT: 8.550 min Scan# 2258
Delta R.T. 0.000 min
Lab File: VU054803.D
Acq: 18 Jul 2023 12:51

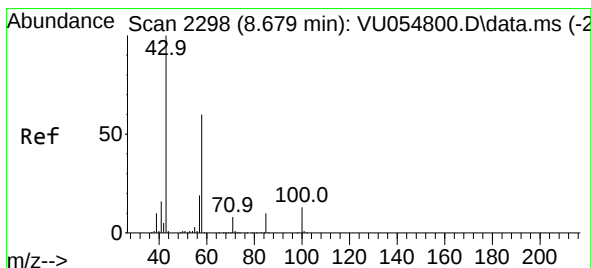
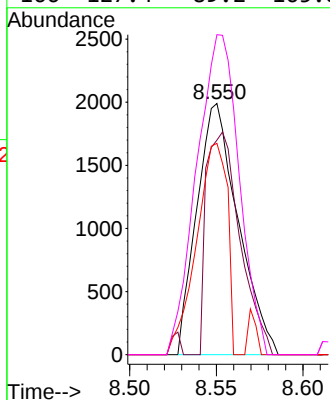
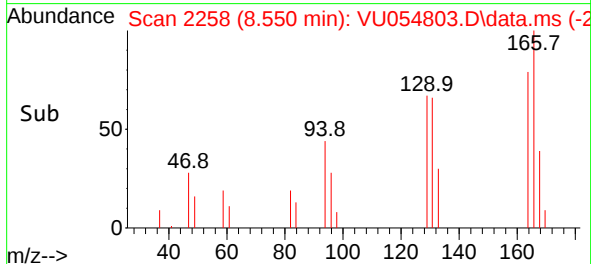
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT3-2023-06



Tgt Ion:164 Resp: 330
Ion Ratio Lower Upper
164 100
129 85.4 66.2 123.0
131 84.2 61.9 115.1
166 127.4 89.2 165.8

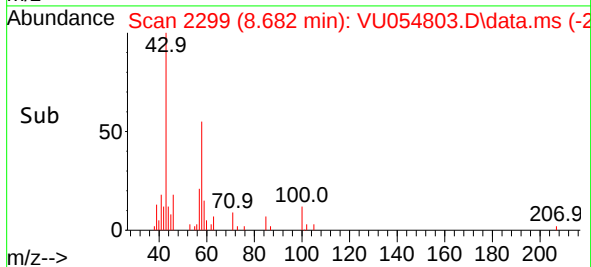
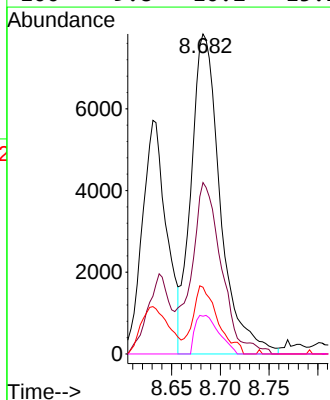
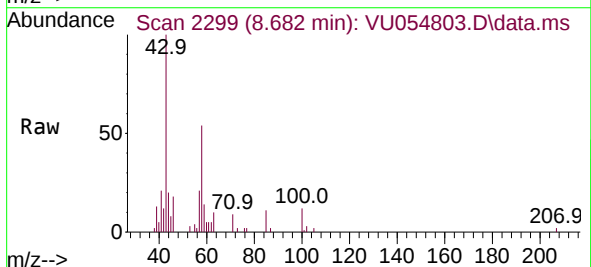
Manual Integrations
APPROVED

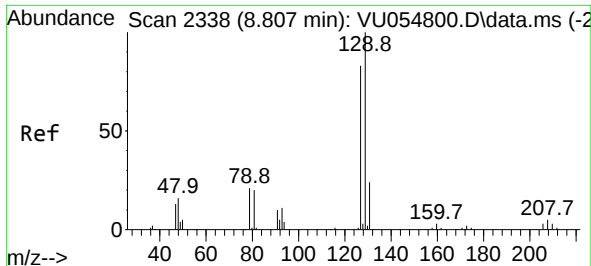
Reviewed By :John Carlone 07/19/2023
Supervised By :Mahesh Dadoda 07/19/2023



#48
2-Hexanone
Concen: 7.179 ug/L
RT: 8.682 min Scan# 2299
Delta R.T. 0.003 min
Lab File: VU054803.D
Acq: 18 Jul 2023 12:51

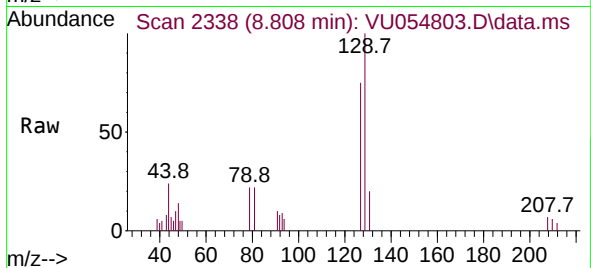
Tgt Ion: 43 Resp: 16325
Ion Ratio Lower Upper
43 100
58 44.8 46.5 69.7#
57 13.5 15.4 23.2#
100 9.8 10.2 15.2#





#49
Dibromochloromethane
Concen: 2.391 ug/L
RT: 8.808 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU054803.D
Acq: 18 Jul 2023 12:51

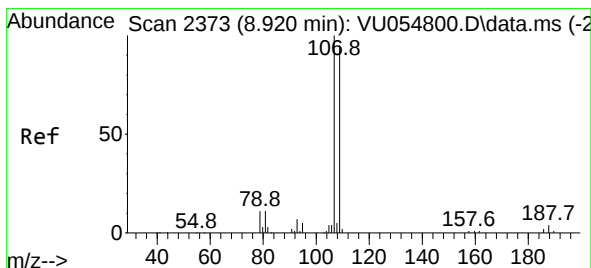
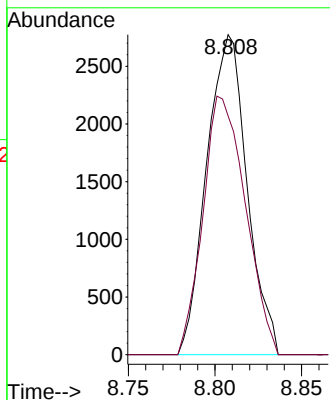
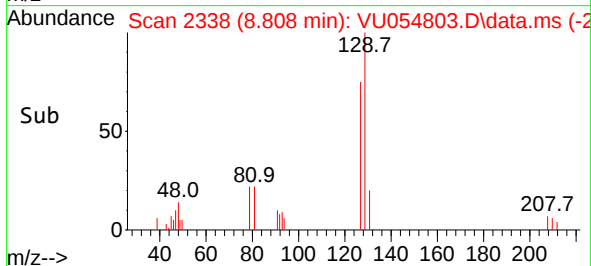
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT3-2023-06



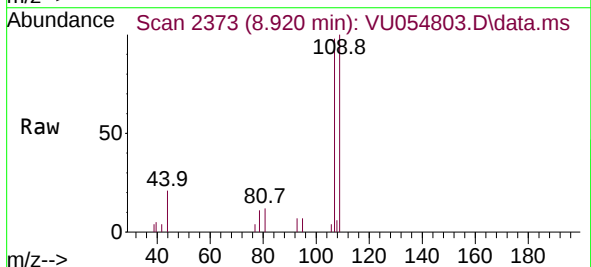
Tgt Ion:129 Resp: 4502
Ion Ratio Lower Upper
129 100
127 74.6 54.4 101.0

Manual Integrations
APPROVED

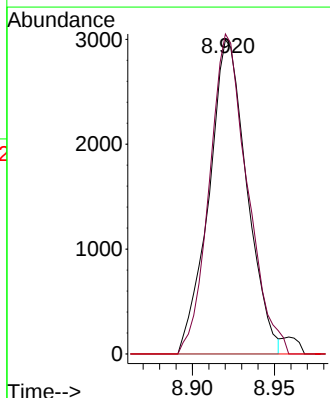
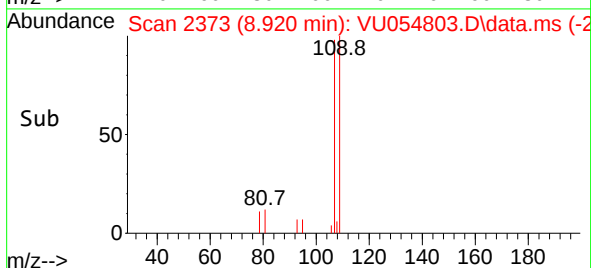
Reviewed By :John Carlone 07/19/2023
Supervised By :Mahesh Dadoda 07/19/2023

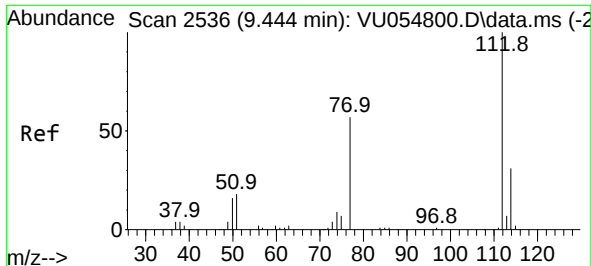


#50
1,2-Dibromoethane
Concen: 2.452 ug/L
RT: 8.920 min Scan# 2373
Delta R.T. 0.000 min
Lab File: VU054803.D
Acq: 18 Jul 2023 12:51



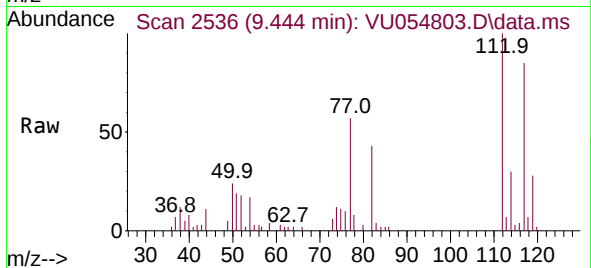
Tgt Ion:107 Resp: 4824
Ion Ratio Lower Upper
107 100
109 101.8 62.5 116.1
188 0.0 2.6 4.0#





#51
Chlorobenzene
Concen: 2.700 ug/L
RT: 9.444 min Scan# 2536
Delta R.T. 0.000 min
Lab File: VU054803.D
Acq: 18 Jul 2023 12:51

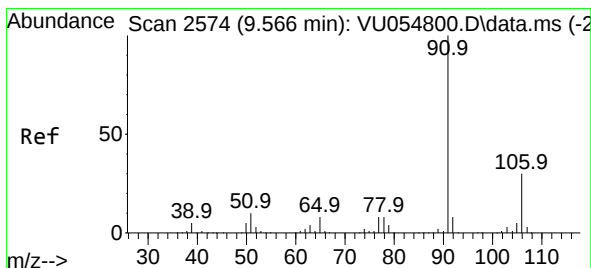
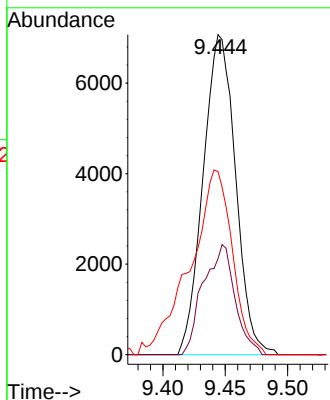
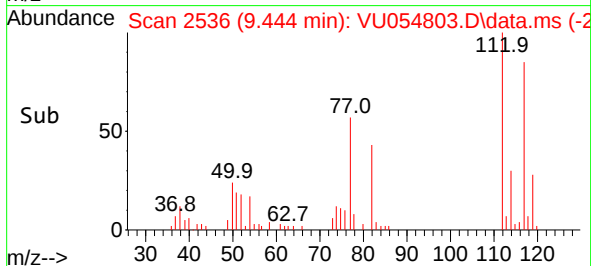
Instrument : MSVOA_U
ClientSampleId :
MDL-WATER-QT3-2023-06



Tgt Ion:112 Resp: 12810
Ion Ratio Lower Upper
112 100
114 30.9 22.3 41.5
77 60.9 44.2 66.4

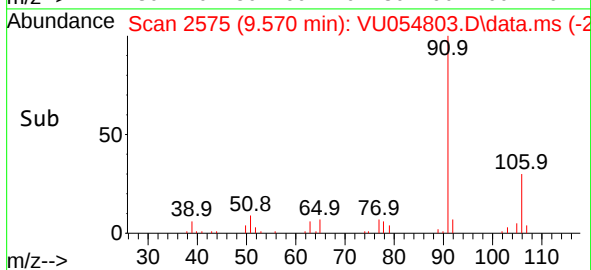
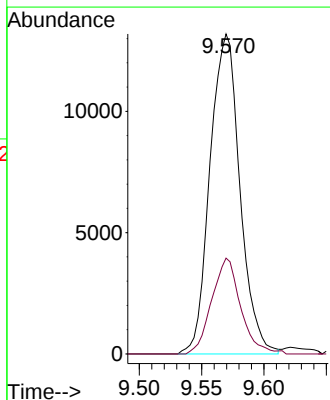
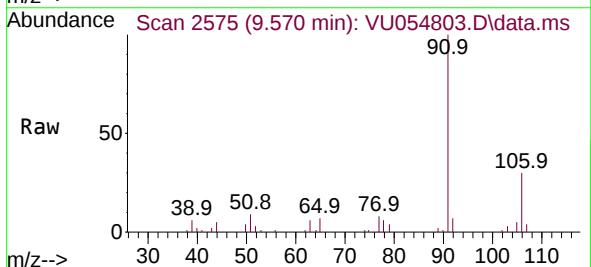
Manual Integrations
APPROVED

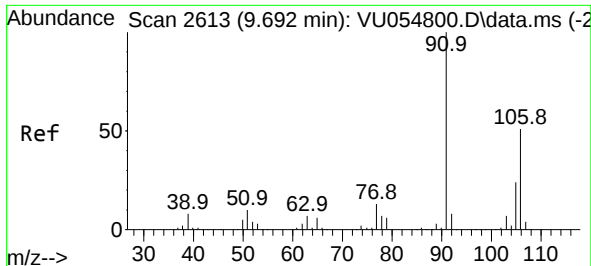
Reviewed By :John Carlone 07/19/2023
Supervised By :Mahesh Dadoda 07/19/2023



#52
Ethylbenzene
Concen: 2.616 ug/L
RT: 9.570 min Scan# 2575
Delta R.T. 0.003 min
Lab File: VU054803.D
Acq: 18 Jul 2023 12:51

Tgt Ion: 91 Resp: 22059
Ion Ratio Lower Upper
91 100
106 34.1 23.5 43.7





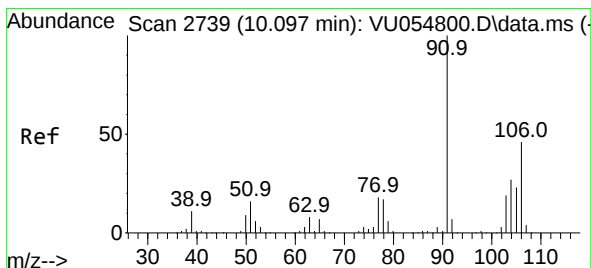
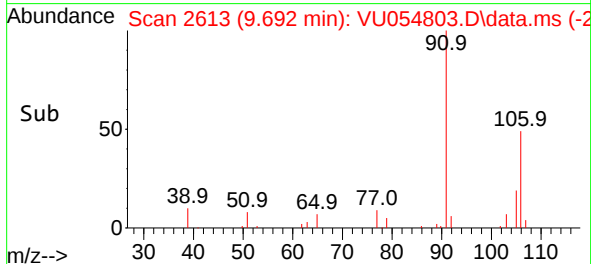
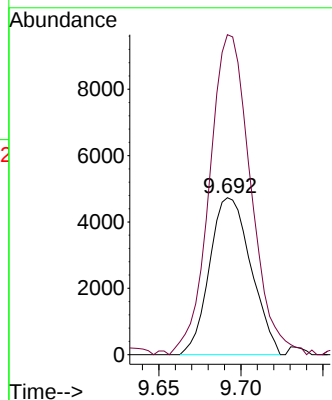
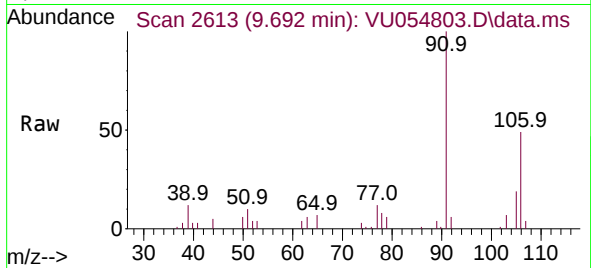
#53
m,p-Xylene
Concen: 2.584 ug/L
RT: 9.692 min Scan# 2613
Delta R.T. 0.000 min
Lab File: VU054803.D
Acq: 18 Jul 2023 12:51

Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT3-2023-06

Tgt Ion:106 Resp: 829
Ion Ratio Lower Upper
106 100
91 189.3 133.3 247.7

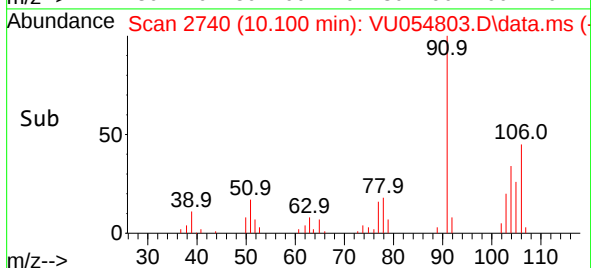
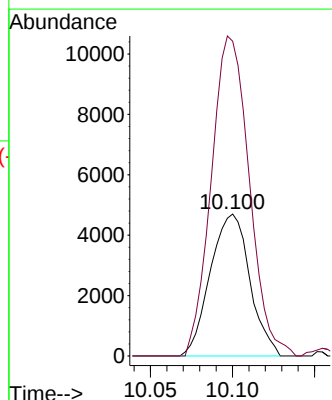
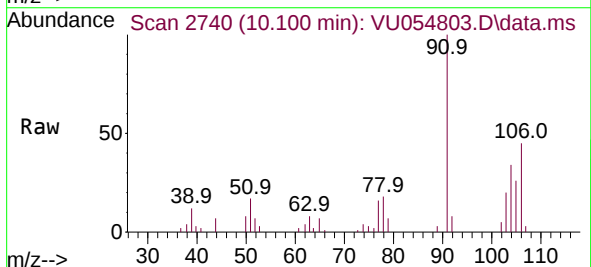
Manual Integrations
APPROVED

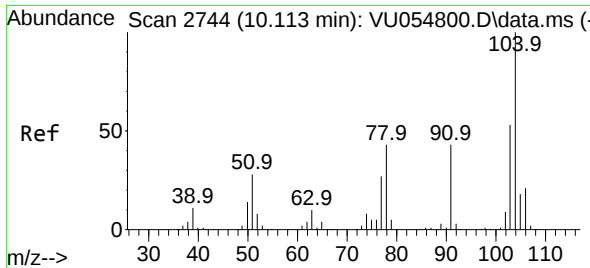
Reviewed By :John Carlone 07/19/2023
Supervised By :Mahesh Dadoda 07/19/2023



#54
o-Xylene
Concen: 2.412 ug/L
RT: 10.100 min Scan# 2740
Delta R.T. 0.003 min
Lab File: VU054803.D
Acq: 18 Jul 2023 12:51

Tgt Ion:106 Resp: 7866
Ion Ratio Lower Upper
106 100
91 207.2 142.0 263.8





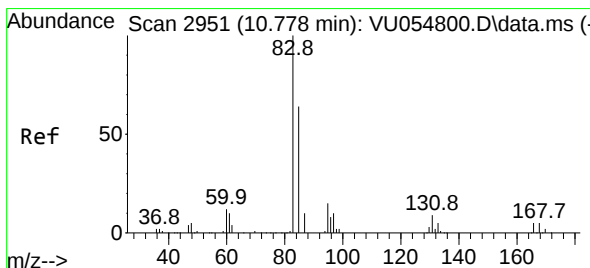
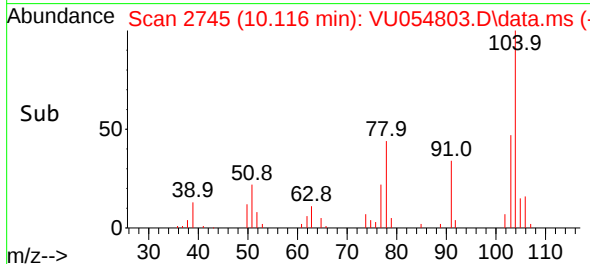
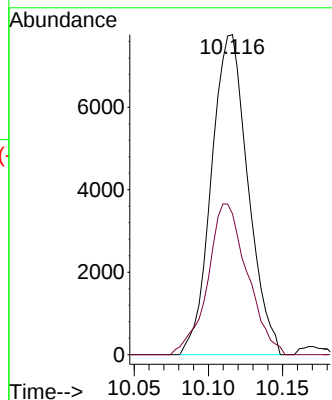
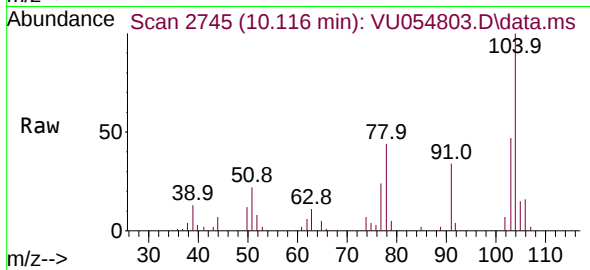
#55
Styrene
Concen: 2.341 ug/L
RT: 10.116 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU054803.D
Acq: 18 Jul 2023 12:51

Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT3-2023-06

Tgt Ion:104 Resp: 1329
Ion Ratio Lower Upper
104 100
78 44.0 30.7 57.1

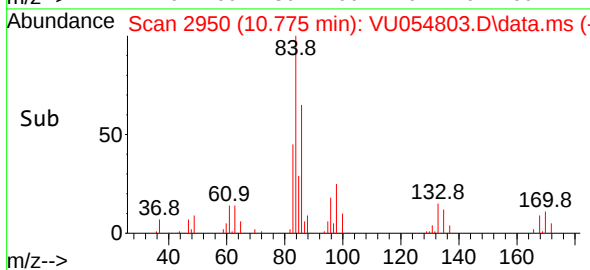
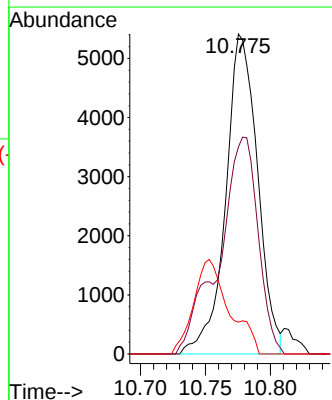
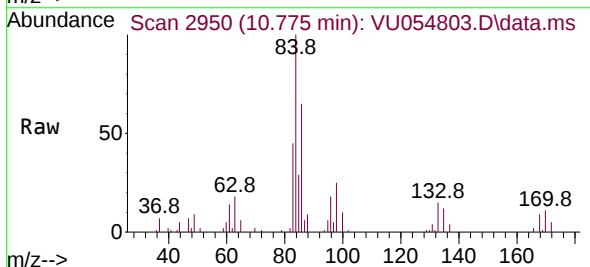
Manual Integrations
APPROVED

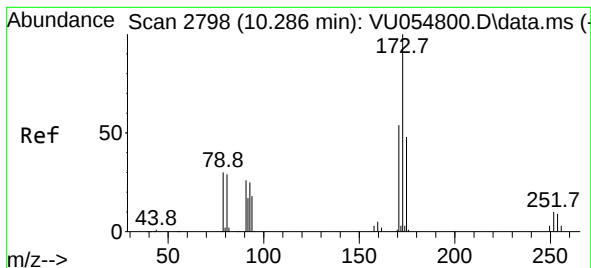
Reviewed By :John Carlone 07/19/2023
Supervised By :Mahesh Dadoda 07/19/2023



#57
1,1,2,2-Tetrachloroethane
Concen: 2.564 ug/L
RT: 10.775 min Scan# 2950
Delta R.T. -0.003 min
Lab File: VU054803.D
Acq: 18 Jul 2023 12:51

Tgt Ion: 83 Resp: 9252
Ion Ratio Lower Upper
83 100
85 64.7 43.8 81.4
131 13.3 8.7 13.1#





#59

Bromoform

Concen: 2.013 ug/L

RT: 10.290 min Scan# 21

Delta R.T. 0.003 min

Lab File: VU054803.D

Acq: 18 Jul 2023 12:51

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-QT3-2023-06

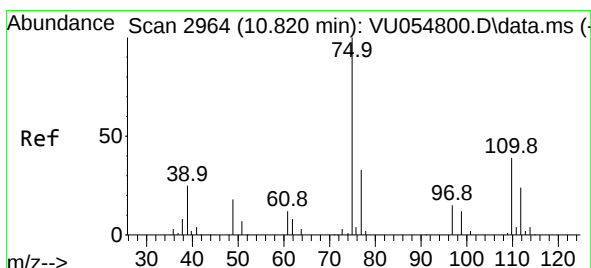
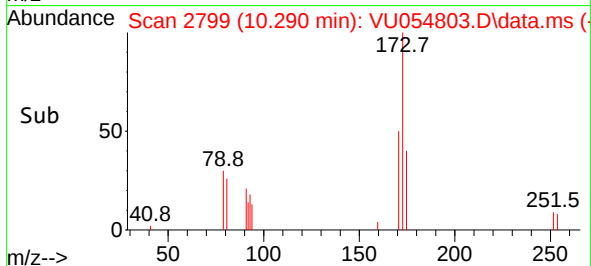
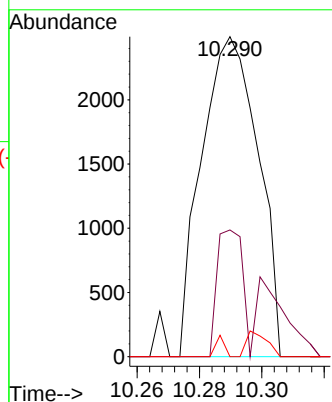
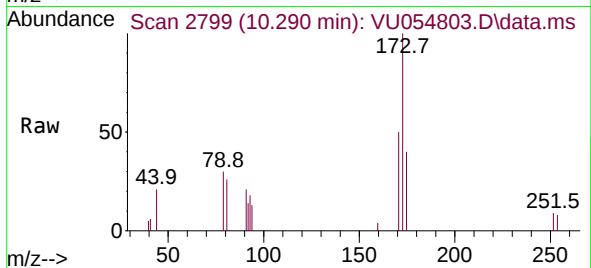
Tgt Ion:	173	Resp:	313
Ion Ratio	Lower	Upper	
173	100		
175	17.7	38.8	58.2
254	0.0	2.4	3.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/19/2023

Supervised By :Mahesh Dadoda 07/19/2023



#60

1,2,3-Trichloropropane

Concen: 2.629 ug/L

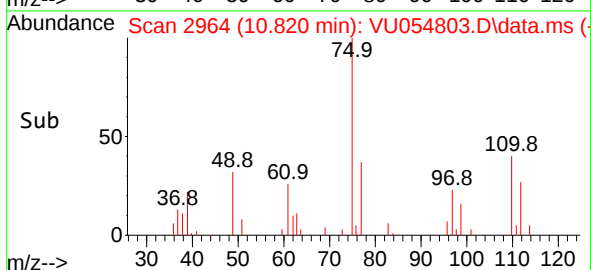
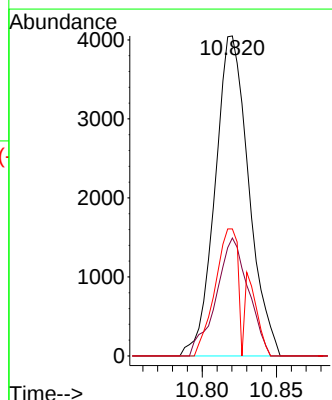
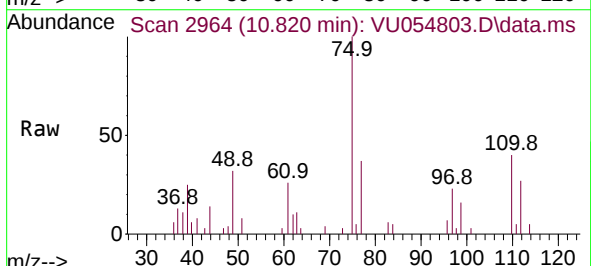
RT: 10.820 min Scan# 2964

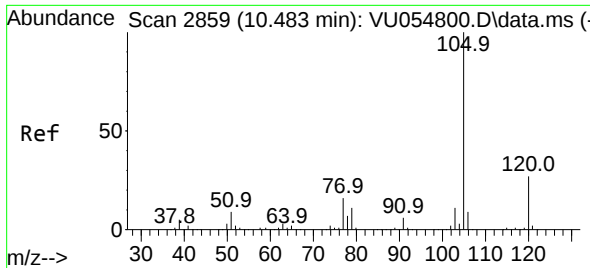
Delta R.T. 0.000 min

Lab File: VU054803.D

Acq: 18 Jul 2023 12:51

Tgt Ion:	75	Resp:	6389
Ion Ratio	Lower	Upper	
75	100		
77	35.1	26.2	39.4
110	26.7	29.9	44.9





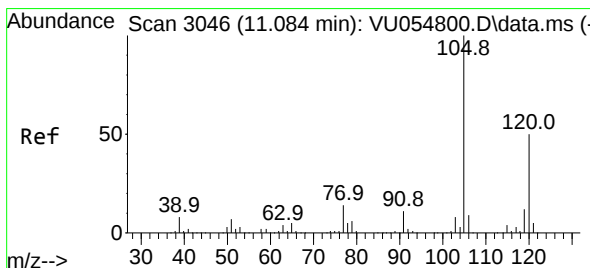
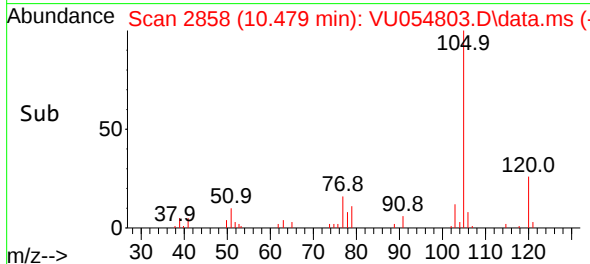
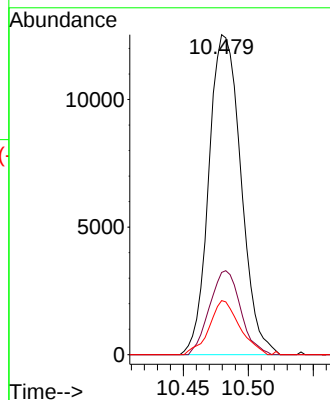
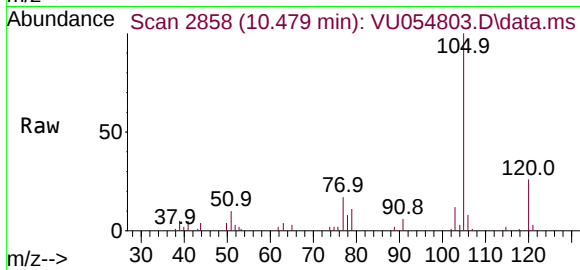
#61
Isopropylbenzene
Concen: 2.621 ug/L
RT: 10.479 min Scan# 2156
Delta R.T. -0.003 min
Lab File: VU054803.D
Acq: 18 Jul 2023 12:51

Instrument : MSVOA_U
ClientSampleId :
MDL-WATER-QT3-2023-06

Tgt Ion:105 Resp: 2156
Ion Ratio Lower Upper
105 100
120 25.3 21.4 32.0
77 16.0 12.8 19.2

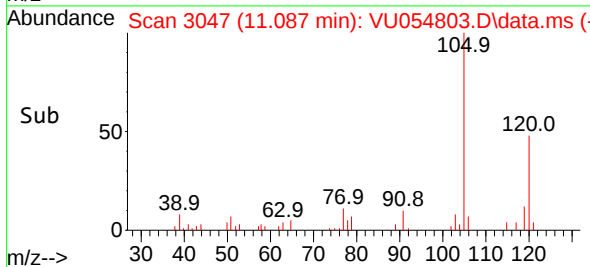
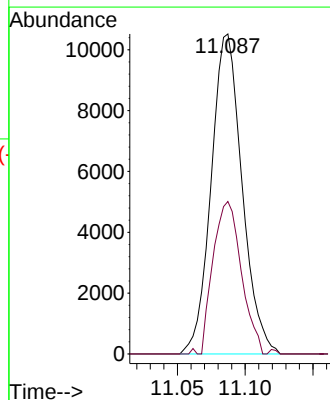
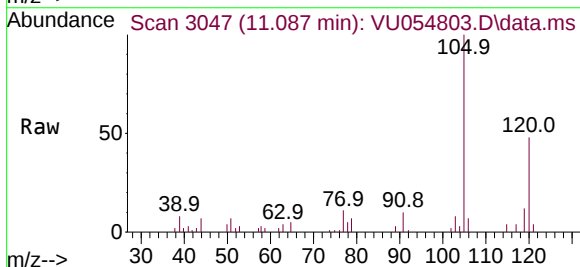
Manual Integrations
APPROVED

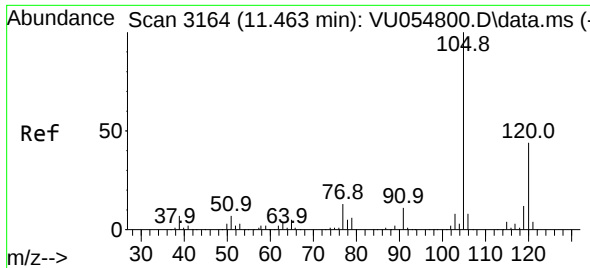
Reviewed By :John Carlone 07/19/2023
Supervised By :Mahesh Dadoda 07/19/2023



#62
1,3,5-Trimethylbenzene
Concen: 2.461 ug/L
RT: 11.087 min Scan# 3047
Delta R.T. 0.003 min
Lab File: VU054803.D
Acq: 18 Jul 2023 12:51

Tgt Ion:105 Resp: 16682
Ion Ratio Lower Upper
105 100
120 43.5 38.0 57.0





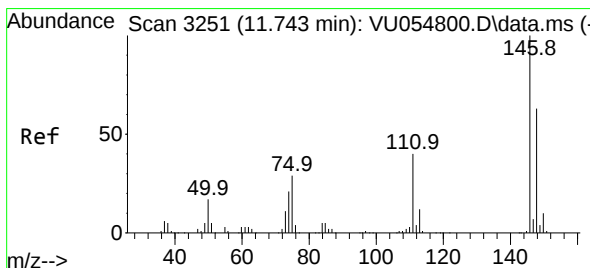
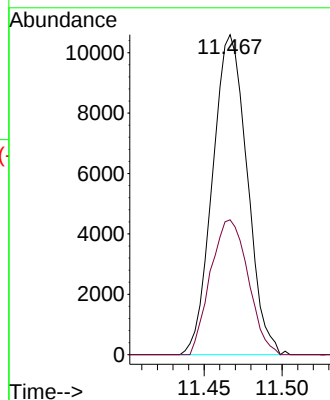
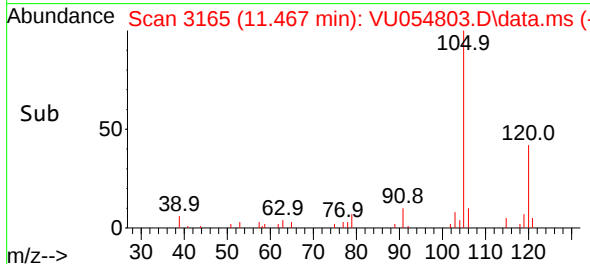
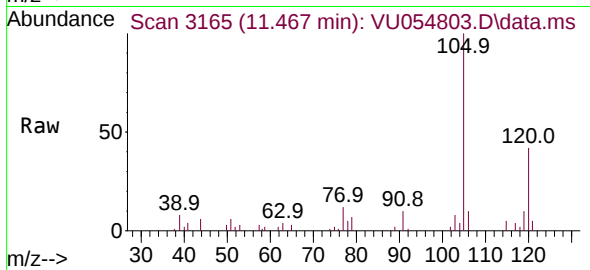
#63
1,2,4-Trimethylbenzene
Concen: 2.432 ug/L
RT: 11.467 min Scan# 3165
Delta R.T. 0.003 min
Lab File: VU054803.D
Acq: 18 Jul 2023 12:51

Instrument : MSVOA_U
ClientSampleId :
MDL-WATER-QT3-2023-06

Tgt Ion:105 Resp: 1633
Ion Ratio Lower Upper
105 100
120 45.8 36.2 54.2

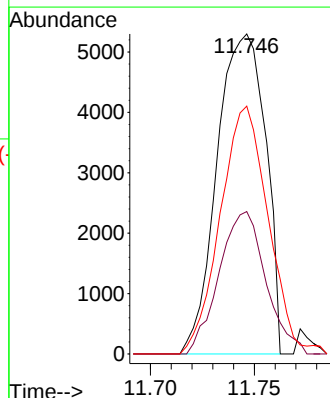
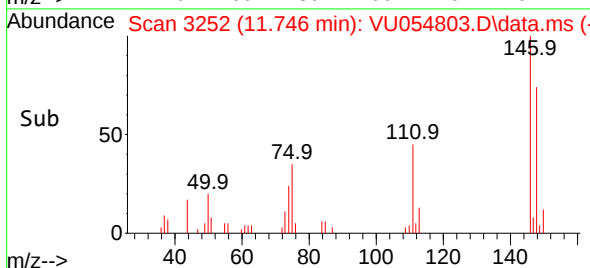
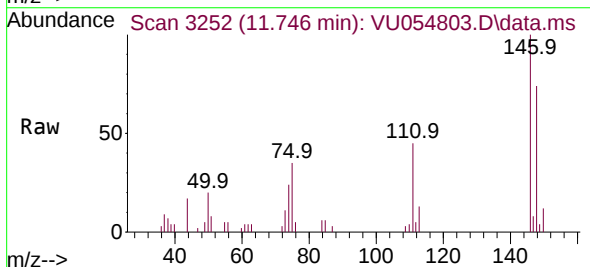
Manual Integrations
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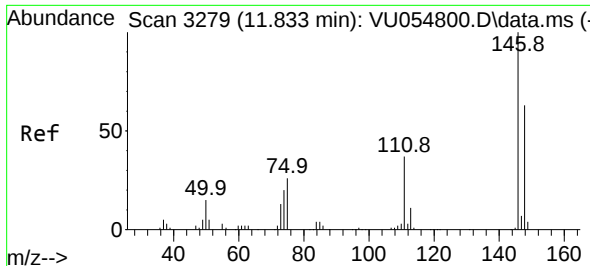
Reviewed By :John Carlone 07/19/2023
Supervised By :Mahesh Dadoda 07/19/2023



#64
1,3-Dichlorobenzene
Concen: 2.249 ug/L
RT: 11.746 min Scan# 3252
Delta R.T. 0.003 min
Lab File: VU054803.D
Acq: 18 Jul 2023 12:51

Tgt Ion:146 Resp: 8583
Ion Ratio Lower Upper
146 100
111 45.5 25.2 46.8
148 71.8 44.4 82.4





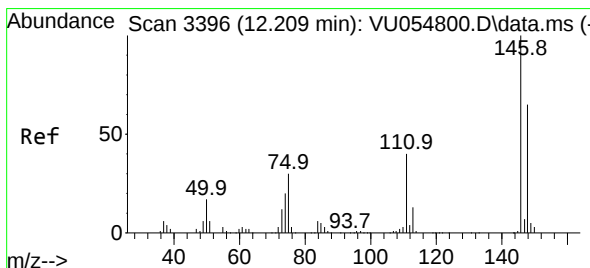
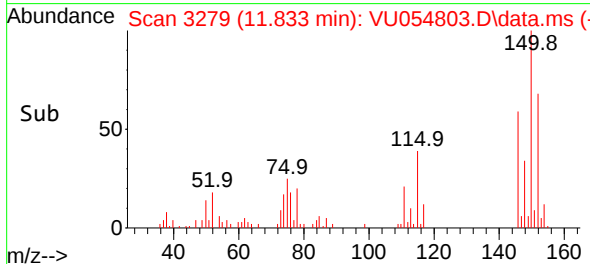
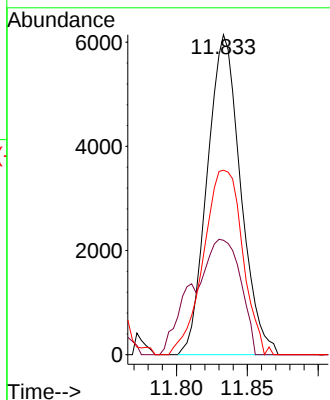
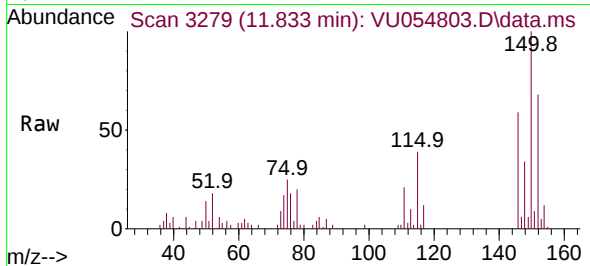
#65
1,4-Dichlorobenzene
Concen: 2.612 ug/L
RT: 11.833 min Scan# 3279
Delta R.T. 0.000 min
Lab File: VU054803.D
Acq: 18 Jul 2023 12:51

Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT3-2023-06

Tgt Ion:146 Resp: 1004
Ion Ratio Lower Upper
146 100
111 32.5 24.1 44.8
148 52.4 41.0 76.2

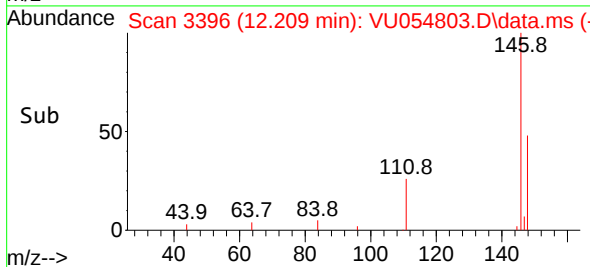
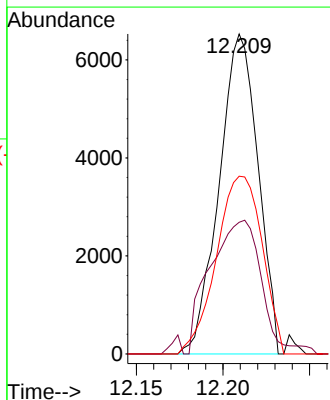
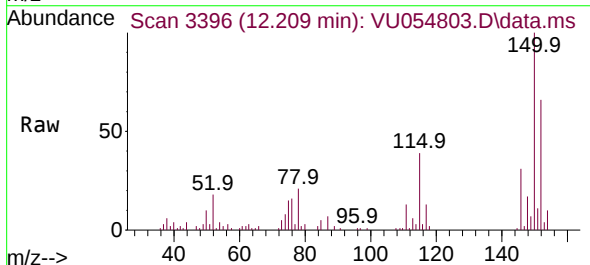
Manual Integrations
APPROVED

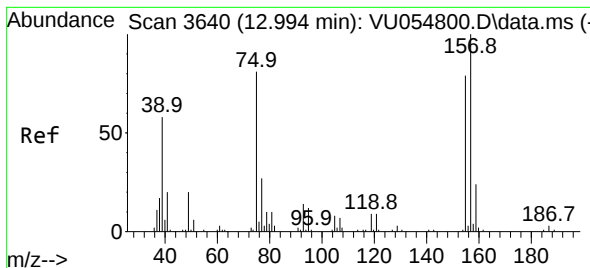
Reviewed By :John Carlone 07/19/2023
Supervised By :Mahesh Dadoda 07/19/2023



#67
1,2-Dichlorobenzene
Concen: 2.660 ug/L
RT: 12.209 min Scan# 3396
Delta R.T. 0.000 min
Lab File: VU054803.D
Acq: 18 Jul 2023 12:51

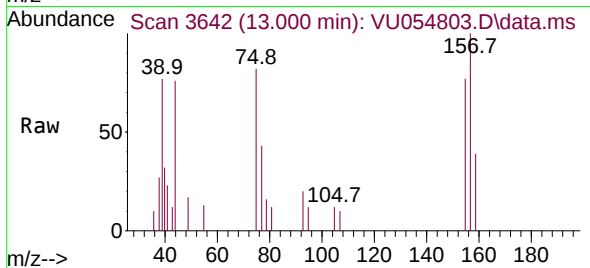
Tgt Ion:146 Resp: 10200
Ion Ratio Lower Upper
146 100
111 42.1 31.5 47.3
148 74.2 53.5 80.3





#68
1,2-Dibromo-3-chloropropane
Concen: 2.494 ug/L
RT: 13.000 min Scan# 3710
Delta R.T. 0.007 min
Lab File: VU054803.D
Acq: 18 Jul 2023 12:51

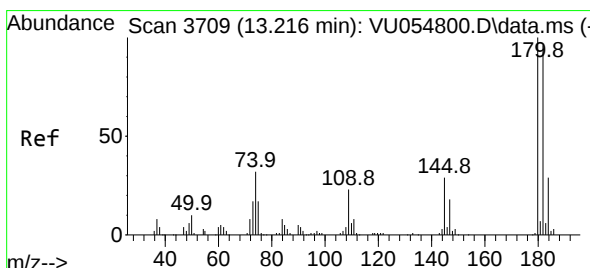
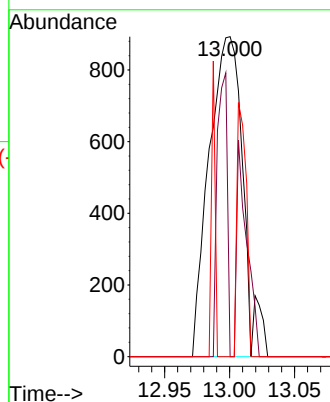
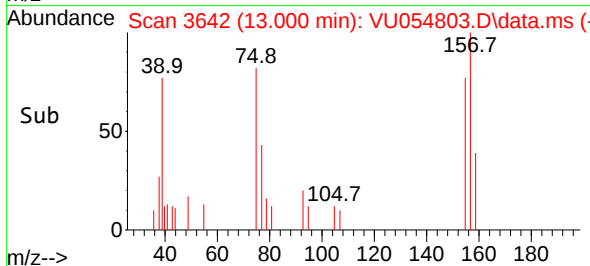
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT3-2023-06



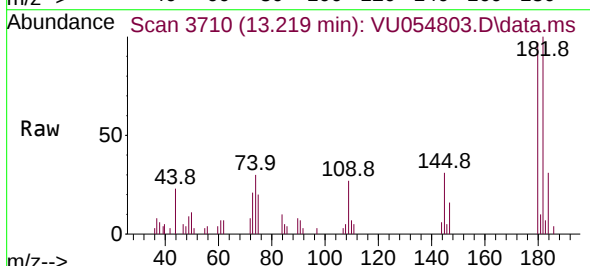
Tgt Ion: 75 Resp: 1620
Ion Ratio Lower Upper
75 100
155 0.0 80.6 121.0#
157 0.0 106.5 159.7#

Manual Integrations
APPROVED

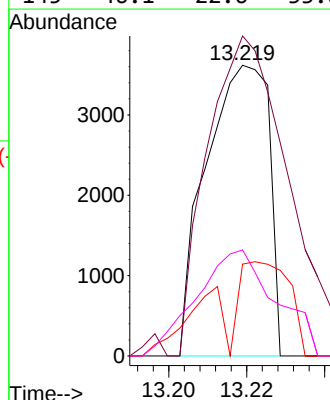
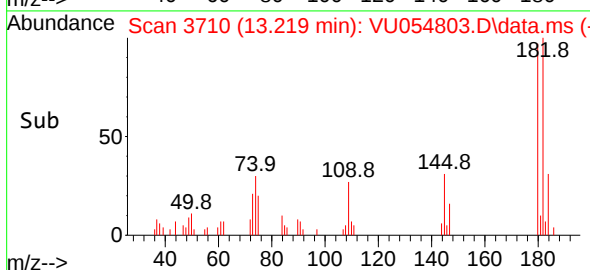
Reviewed By :John Carlone 07/19/2023
Supervised By :Mahesh Dadoda 07/19/2023

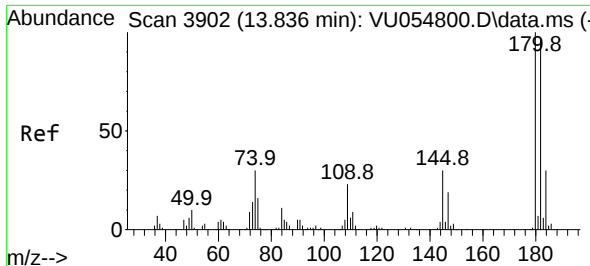


#69
1,3,5-Trichlorobenzene
Concen: 1.584 ug/L
RT: 13.219 min Scan# 3710
Delta R.T. 0.003 min
Lab File: VU054803.D
Acq: 18 Jul 2023 12:51



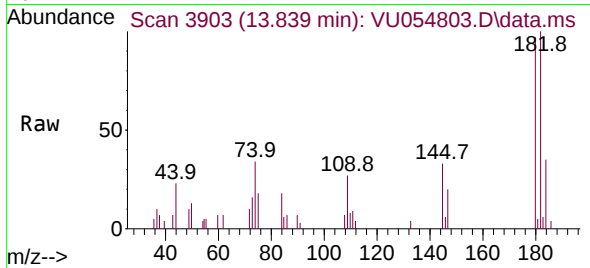
Tgt Ion:180 Resp: 4052
Ion Ratio Lower Upper
180 100
182 144.6 76.7 115.1#
184 25.7 23.4 35.0
145 46.1 22.6 33.8#





#70
1,2,4-trichlorobenzene
Concen: 1.777 ug/L
RT: 13.839 min Scan# 3902
Delta R.T. 0.003 min
Lab File: VU054803.D
Acq: 18 Jul 2023 12:51

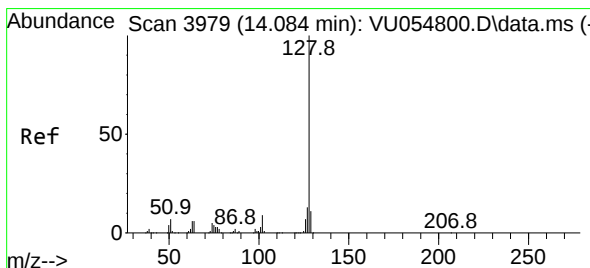
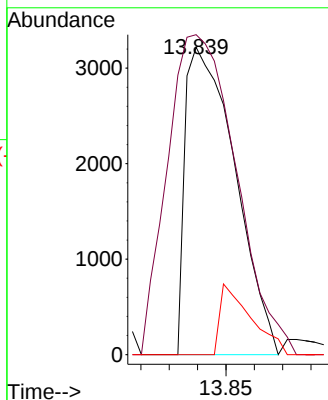
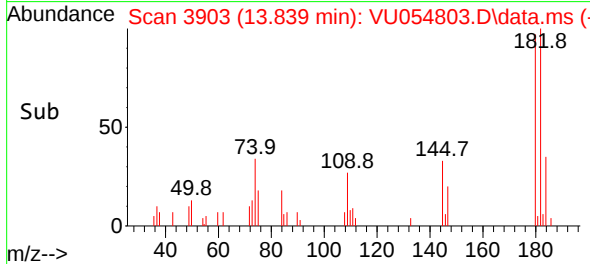
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT3-2023-06



Tgt Ion:180 Resp: 3920
Ion Ratio Lower Upper
180 100
182 143.7 76.8 115.2
145 14.3 23.0 34.6

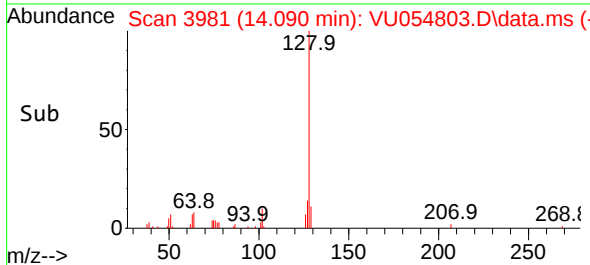
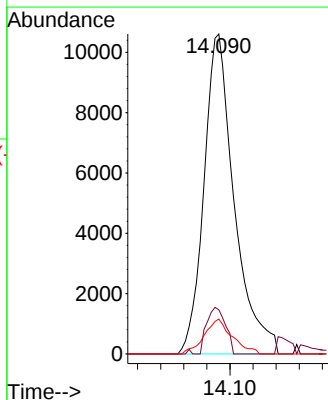
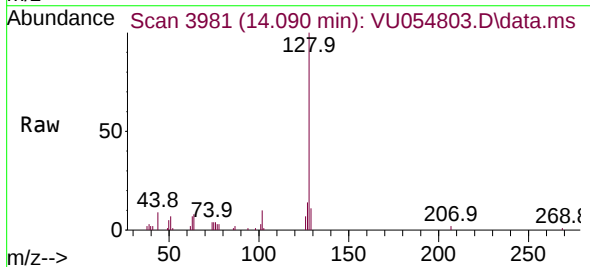
Manual Integrations
APPROVED

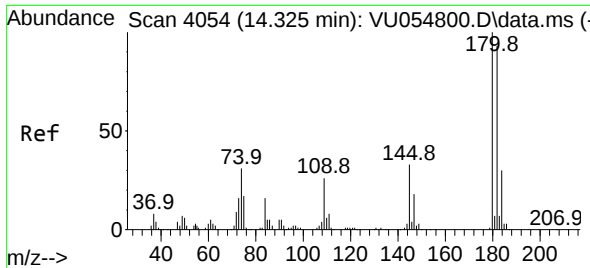
Reviewed By :John Carlone 07/19/2023
Supervised By :Mahesh Dadoda 07/19/2023



#71
Naphthalene
Concen: 2.664 ug/L
RT: 14.090 min Scan# 3981
Delta R.T. 0.007 min
Lab File: VU054803.D
Acq: 18 Jul 2023 12:51

Tgt Ion:128 Resp: 19312
Ion Ratio Lower Upper
128 100
127 9.1 10.0 15.0#
129 10.1 8.6 13.0





#72

1,2,3-Trichlorobenzene

Concen: 2.723 ug/L

RT: 14.328 min Scan# 4055

Delta R.T. 0.003 min

Lab File: VU054803.D

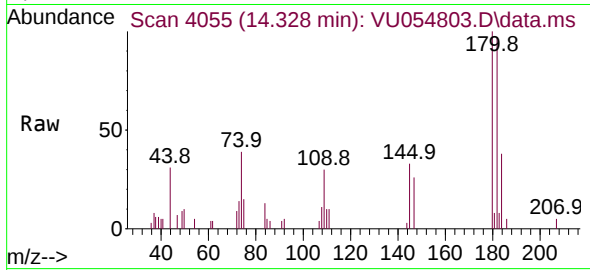
Acq: 18 Jul 2023 12:51

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-QT3-2023-06



Tgt Ion:180 Resp: 585

Ion Ratio Lower Upper

180 100

182 30.2 76.6 115.0

145 16.8 25.4 38.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/19/2023

Supervised By :Mahesh Dadoda 07/19/2023

