

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU101123\
 Data File : VU055741.D
 Acq On : 11 Oct 2023 12:09
 Operator : MD/SY
 Sample : 04696-02
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-QT4-2023-08

Quant Time: Oct 12 02:12:10 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM101023WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Oct 12 01:53:31 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 10/12/2023
 Supervised By : Mahesh Dadoda 10/12/2023

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

Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	420959	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	423927	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.810	152	214829	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.599	65	158437	41.961	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	83.920%		
7) Chloroethane-d5	1.888	69	133231	43.166	ug/L	-0.02
Spiked Amount 50.000	Range 70 - 130		Recovery =	86.340%		
11) 1,1-Dichloroethene-d2	2.557	63	224000	33.271	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	66.540%		
21) 2-Butanone-d5	4.615	46	256879	91.814	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	91.810%		
24) Chloroform-d	5.058	84	319605	44.153	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	88.300%		
26) 1,2-Dichloroethane-d4	5.695	65	215687	48.409	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	96.820%		
32) Benzene-d6	5.721	84	628758	46.356	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	92.720%		
36) 1,2-Dichloropropane-d6	6.685	67	200628	46.723	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	93.440%		
41) Toluene-d8	7.894	98	553565	45.198	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	90.400%		
43) trans-1,3-Dichloroprop...	8.174	79	94290	45.712	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	91.420%		
47) 2-Hexanone-d5	8.631	63	168560	99.853	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	99.850%		
56) 1,1,2,2-Tetrachloroeth...	10.753	84	331448	50.147	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	100.300%		
66) 1,2-Dichlorobenzene-d4	12.190	152	217681	51.061	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	102.120%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.380	85	6108	1.743	ug/L	98
3) Chloromethane	1.518	50	7813	2.356	ug/L	97
5) Vinyl chloride	1.602	62	7770	2.129	ug/L #	63
6) Bromomethane	1.830	94	3954	1.695	ug/L	94
8) Chloroethane	1.911	64	4706	1.966	ug/L	98
9) Trichlorofluoromethane	2.126	101	10640	2.040	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.570	101	7728	2.304	ug/L #	84
12) 1,1-Dichloroethene	2.570	96	7969	2.670	ug/L #	1
13) Acetone	2.621	43	9697	3.735	ug/L	96
14) Carbon disulfide	2.785	76	16307	1.796	ug/L	96
15) Methyl Acetate	2.946	43	7593	1.910	ug/L	95
17) trans-1,2-Dichloroethene	3.348	96	5875	1.925	ug/L	81
18) Methyl tert-butyl Ether	3.357	73	18291	1.864	ug/L #	89
19) 1,1-Dichloroethane	3.865	63	11887	1.899	ug/L	99
20) cis-1,2-Dichloroethene	4.663	96	6237	1.791	ug/L	94
22) 2-Butanone	4.718	43	12760m	4.077	ug/L	
23) Bromochloromethane	4.972	128	3288	1.823	ug/L #	96
25) Chloroform	5.084	83	13528	2.069	ug/L	95
27) 1,2-Dichloroethane	5.791	62	10284	1.967	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
29) Cyclohexane	5.383	56	8413	1.731	ug/L #	85
30) 1,1,1-Trichloroethane	5.316	97	9970	1.820	ug/L #	83
31) Carbon tetrachloride	5.521	117	9045	1.887	ug/L	95
33) Benzene	5.772	78	25541	1.906	ug/L	100
34) Trichloroethene	6.544	95	6789	1.852	ug/L	97
35) Methylcyclohexane	6.762	83	9923	1.865	ug/L	94
37) 1,2-Dichloropropane	6.788	63	7598	2.059	ug/L #	97
38) Bromodichloromethane	7.103	83	9771	2.008	ug/L	88
39) cis-1,3-Dichloropropene	7.605	75	10060	1.792	ug/L	99
40) 4-Methyl-2-pentanone	7.791	43	18891	3.680	ug/L	96
42) Toluene	7.968	91	26846	1.899	ug/L	95
44) trans-1,3-Dichloropropene	8.209	75	10486	1.952	ug/L	97
45) 1,1,2-Trichloroethane	8.399	97	6969	1.915	ug/L	94
46) Tetrachloroethene	8.553	164	4431	1.688	ug/L	77
48) 2-Hexanone	8.682	43	42085	9.706	ug/L #	89
49) Dibromochloromethane	8.804	129	6893	1.854	ug/L	92
50) 1,2-Dibromoethane	8.923	107	7005	1.792	ug/L #	98
51) Chlorobenzene	9.447	112	17027	1.861	ug/L	96
52) Ethylbenzene	9.569	91	26507	1.715	ug/L	96
53) m,p-Xylene	9.695	106	10865	1.876	ug/L	76
54) o-Xylene	10.100	106	9712	1.733	ug/L	99
55) Styrene	10.116	104	15089	1.589	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.775	83	14877	2.388	ug/L #	93
59) Bromoform	10.290	173	5442	2.058	ug/L #	85
60) 1,2,3-Trichloropropane	10.820	75	11523	2.471	ug/L	93
61) Isopropylbenzene	10.483	105	24239	1.810	ug/L	98
62) 1,3,5-Trimethylbenzene	11.087	105	18311	1.690	ug/L	99
63) 1,2,4-Trimethylbenzene	11.466	105	17772	1.658	ug/L	99
64) 1,3-Dichlorobenzene	11.746	146	13113	1.981	ug/L	94
65) 1,4-Dichlorobenzene	11.833	146	13867	2.037	ug/L #	91
67) 1,2-Dichlorobenzene	12.209	146	14369	2.187	ug/L	93
68) 1,2-Dibromo-3-chloropr...	13.003	75	2433	1.745	ug/L #	83
69) 1,3,5-Trichlorobenzene	13.222	180	7969	1.805	ug/L	94
70) 1,2,4-trichlorobenzene	13.843	180	6515	1.771	ug/L	93
71) Naphthalene	14.093	128	20504	1.876	ug/L #	93
72) 1,2,3-Trichlorobenzene	14.331	180	6097	1.681	ug/L	90

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

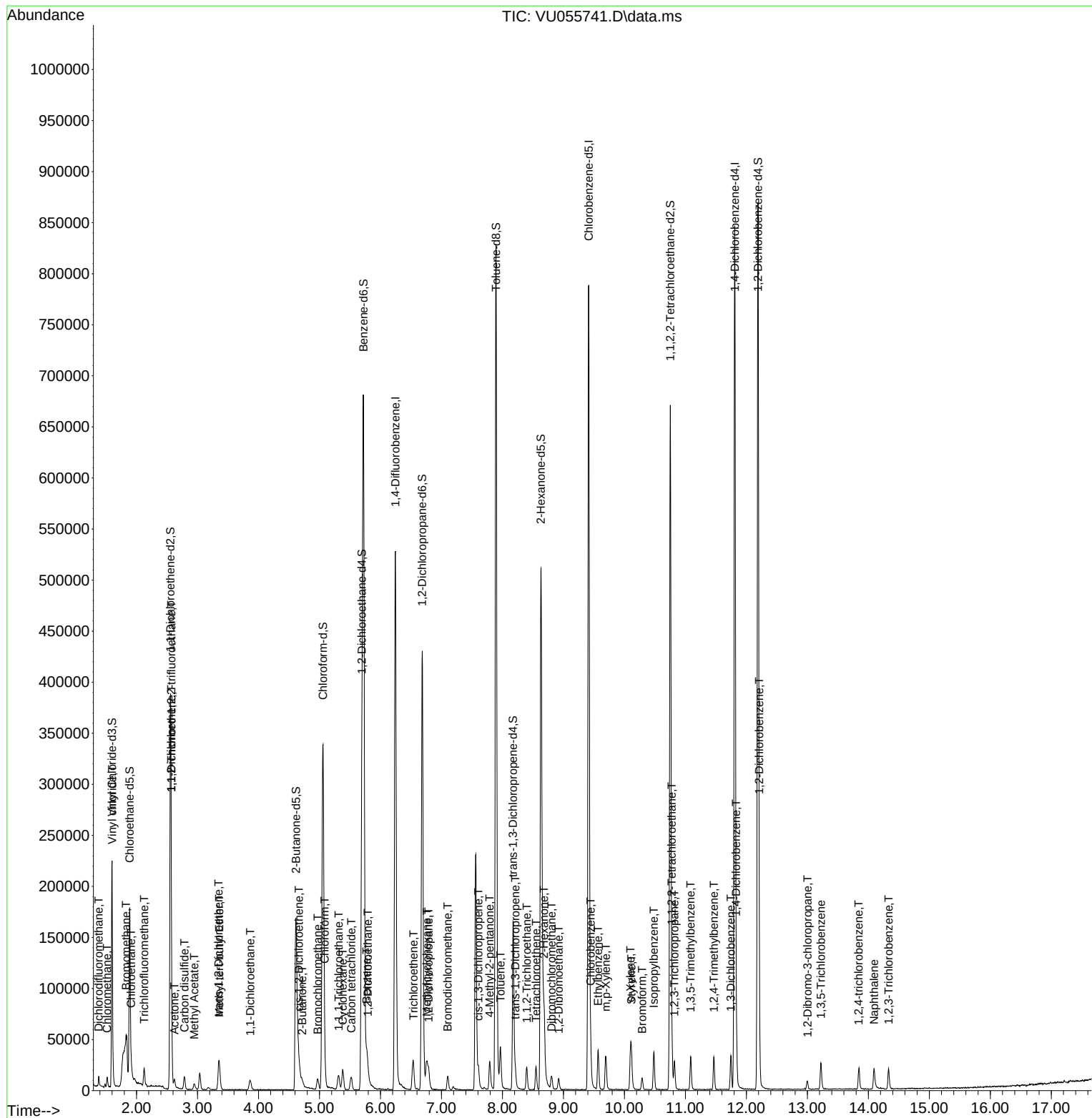
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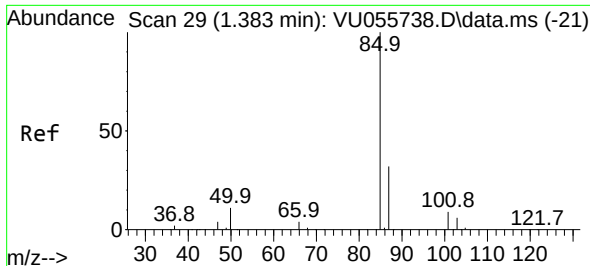
Instrument :
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 ClientSampleId :
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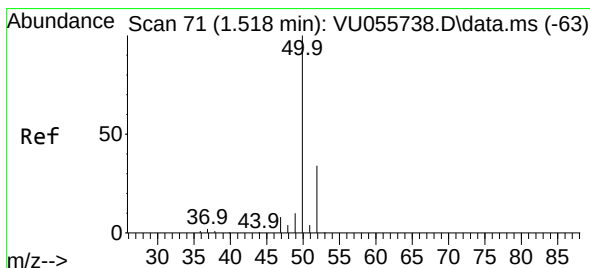
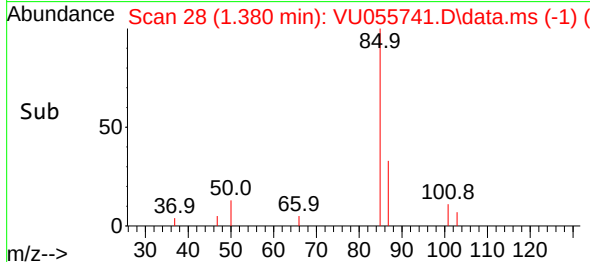
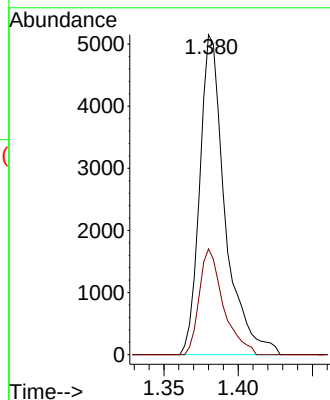
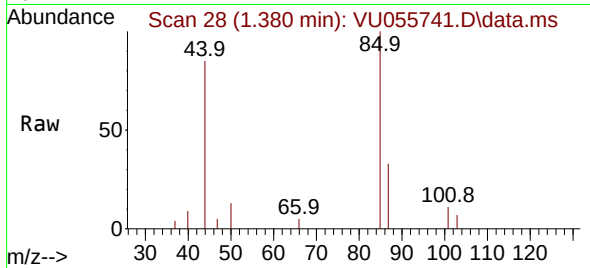
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Dichlorodifluoromethane
Concen: 1.743 ug/L
RT: 1.380 min Scan# 28
Delta R.T. -0.003 min
Lab File: VU055741.D
Acq: 11 Oct 2023 12:09

Instrument : MSVOA_U
ClientSampleId :
MDL-WATER-QT4-2023-08

Tgt Ion: 85 Resp: 6108
Ion Ratio Lower Upper
85 100
87 31.4 26.0 39.0

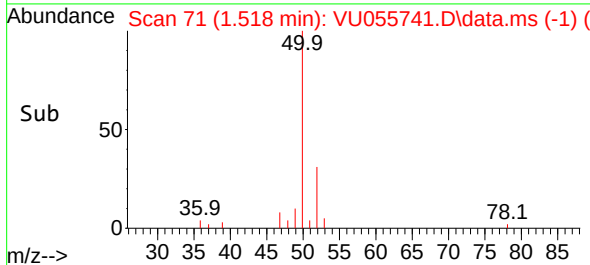
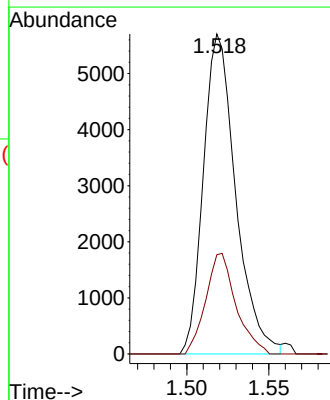
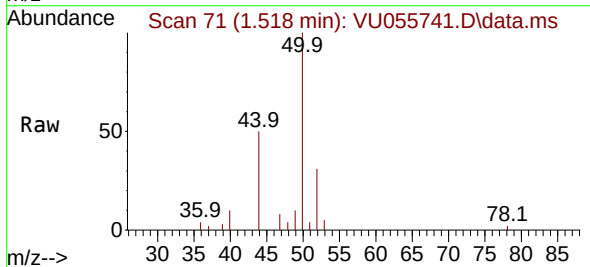
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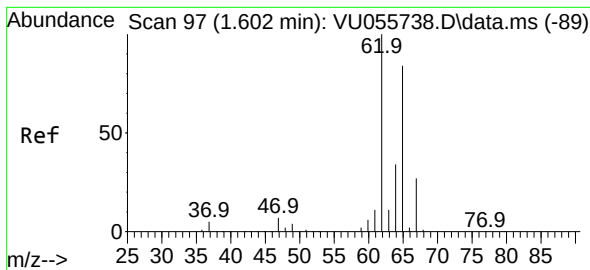
Reviewed By :John Carlone 10/12/2023
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#3
Chloromethane
Concen: 2.356 ug/L
RT: 1.518 min Scan# 71
Delta R.T. -0.000 min
Lab File: VU055741.D
Acq: 11 Oct 2023 12:09

Tgt Ion: 50 Resp: 7813
Ion Ratio Lower Upper
50 100
52 31.0 22.8 42.4





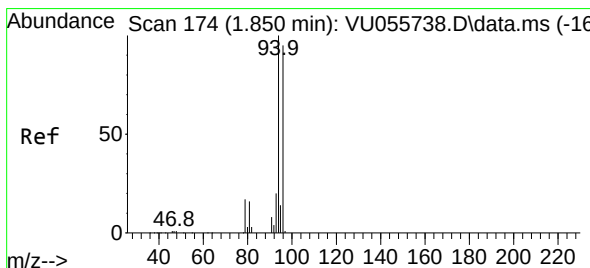
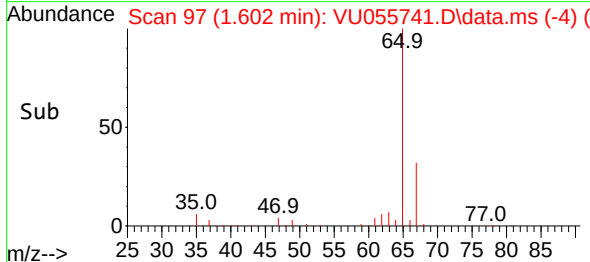
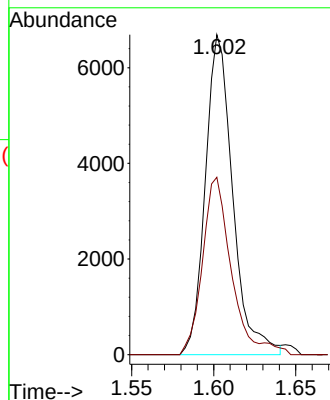
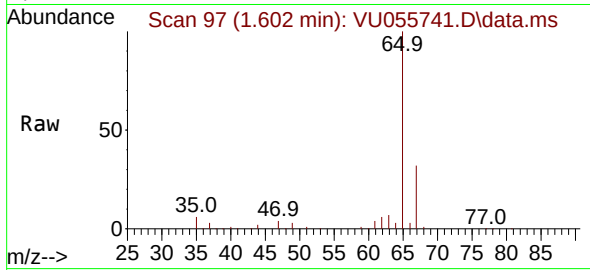
#5
 Vinyl chloride
 Concen: 2.129 ug/L
 RT: 1.602 min Scan# 91
 Delta R.T. -0.000 min
 Lab File: VU055741.D
 Acq: 11 Oct 2023 12:09

Instrument : MSVOA_U
 ClientSampleId :
 MDL-WATER-QT4-2023-08

Tgt Ion: 62 Resp: 7770
 Ion Ratio Lower Upper
 62 100
 64 55.4 23.9 44.5

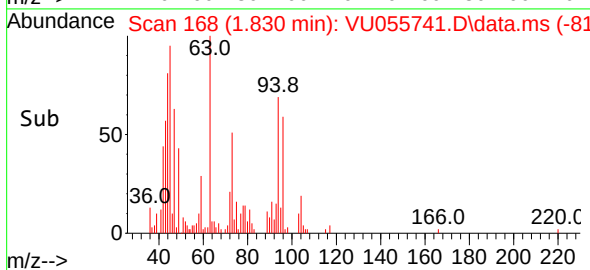
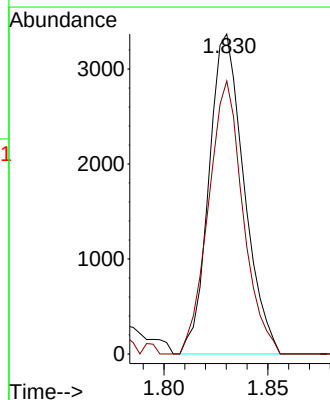
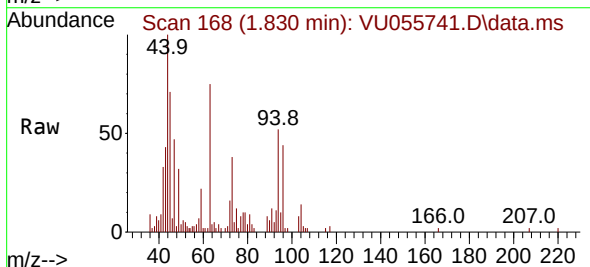
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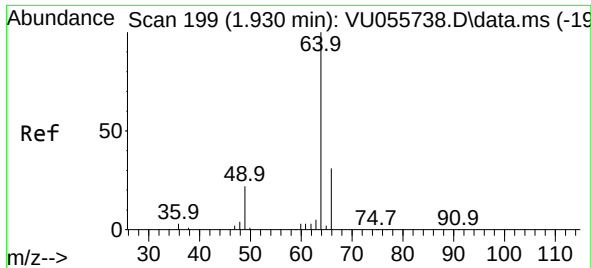
Reviewed By :John Carlone 10/12/2023
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#6
 Bromomethane
 Concen: 1.695 ug/L
 RT: 1.830 min Scan# 168
 Delta R.T. -0.019 min
 Lab File: VU055741.D
 Acq: 11 Oct 2023 12:09

Tgt Ion: 94 Resp: 3954
 Ion Ratio Lower Upper
 94 100
 96 85.3 63.5 117.9





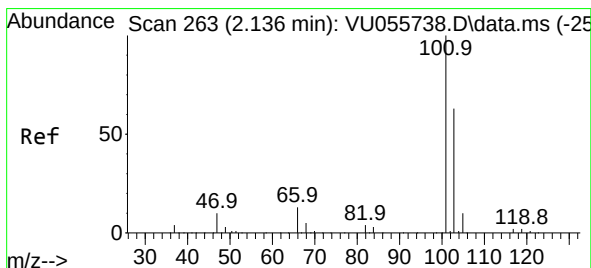
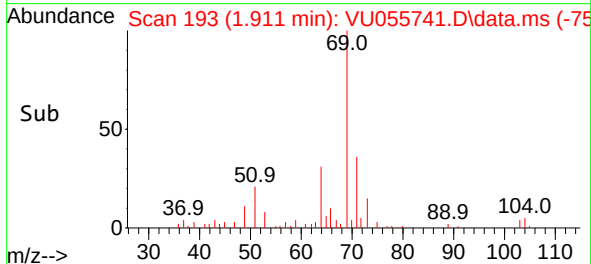
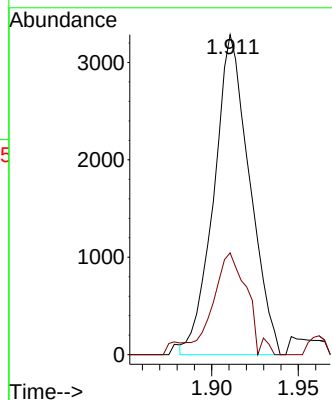
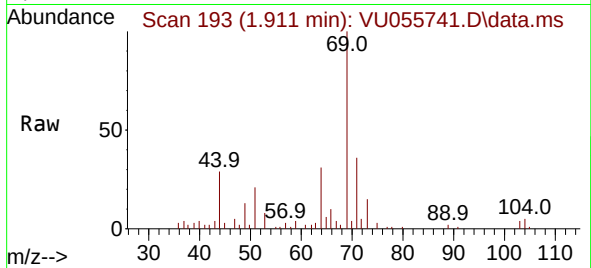
#8
Chloroethane
Concen: 1.966 ug/L
RT: 1.911 min Scan# 19
Delta R.T. -0.019 min
Lab File: VU055741.D
Acq: 11 Oct 2023 12:09

Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT4-2023-08

Tgt Ion: 64 Resp: 4700
Ion Ratio Lower Upper
64 100
66 31.8 22.9 42.5

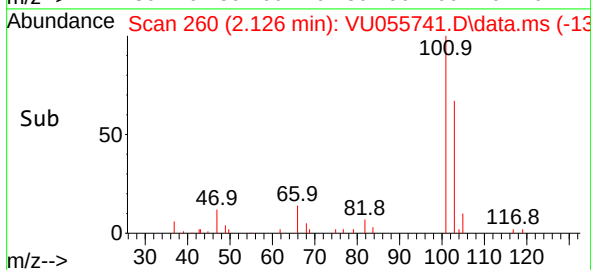
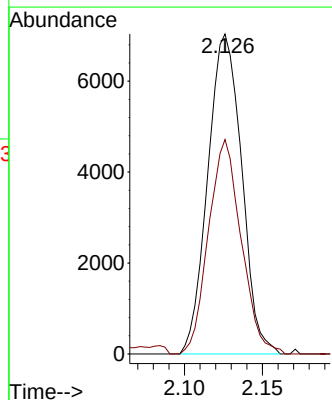
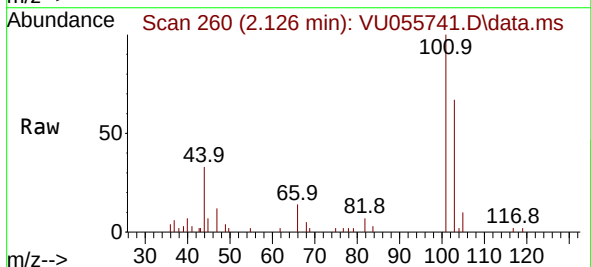
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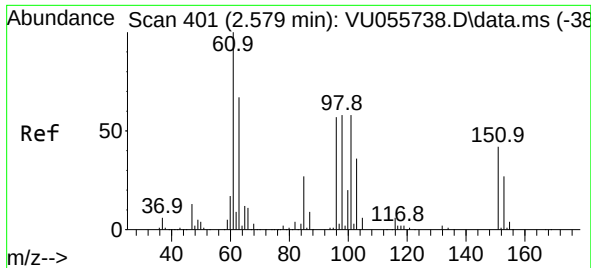
Reviewed By :John Carlone 10/12/2023
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#9
Trichlorofluoromethane
Concen: 2.040 ug/L
RT: 2.126 min Scan# 260
Delta R.T. -0.010 min
Lab File: VU055741.D
Acq: 11 Oct 2023 12:09

Tgt Ion:101 Resp: 10640
Ion Ratio Lower Upper
101 100
103 64.6 51.3 76.9





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 2.304 ug/L

RT: 2.570 min Scan# 398

Delta R.T. -0.010 min

Lab File: VU055741.D

Acq: 11 Oct 2023 12:09

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-QT4-2023-08

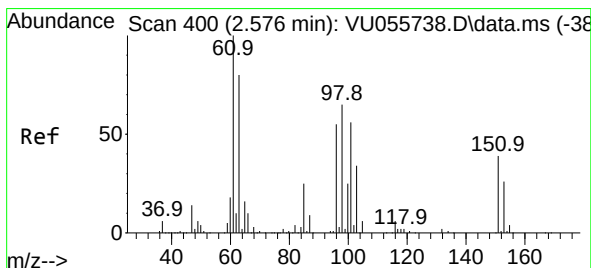
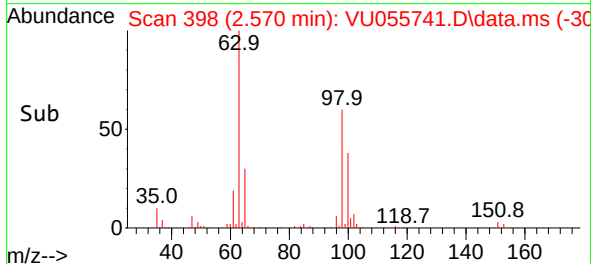
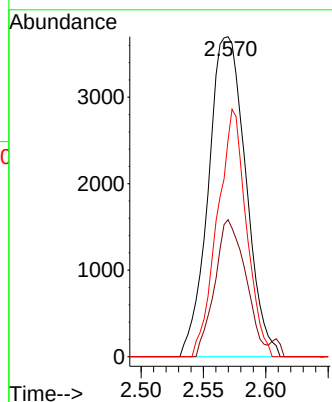
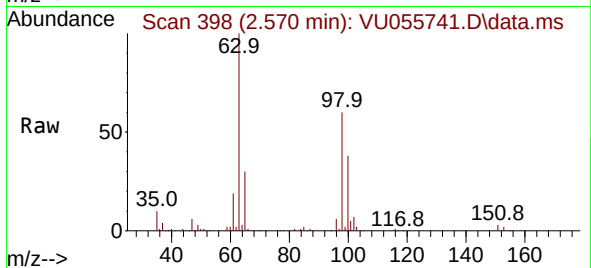
Tgt Ion:	101	Resp:	7728
Ion Ratio	Lower	Upper	
101	100		
85	35.6	37.1	55.7
151	60.1	58.2	87.4

Manual Integrations

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#12

1,1-Dichloroethene

Concen: 2.670 ug/L

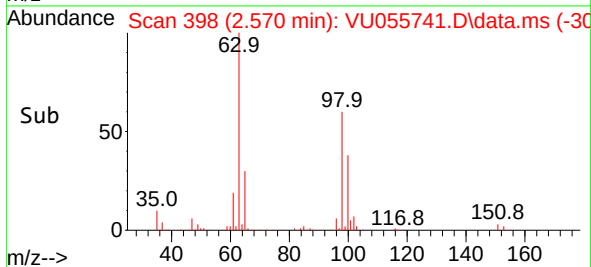
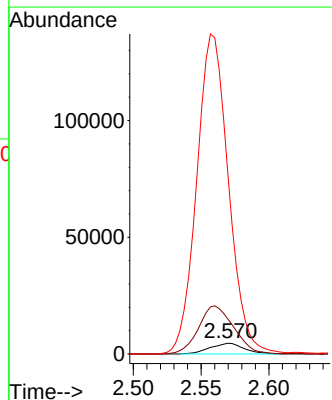
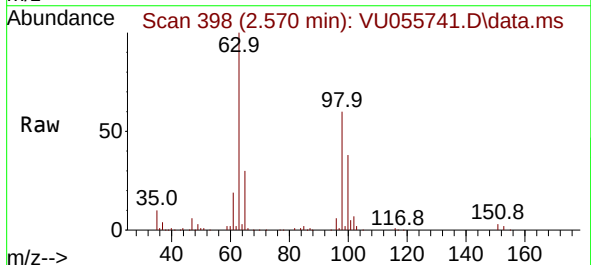
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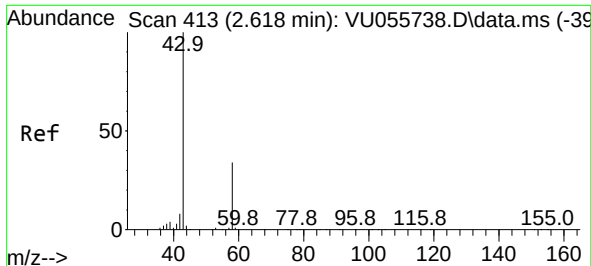
Delta R.T. -0.007 min

Lab File: VU055741.D

Acq: 11 Oct 2023 12:09

Tgt Ion:	96	Resp:	7969
Ion Ratio	Lower	Upper	
96	100		
61	325.9	122.0	226.6#
63	1678.3	93.7	174.1#





#13

Acetone

Concen: 3.735 ug/L

RT: 2.621 min Scan# 413

Delta R.T. 0.003 min

Lab File: VU055741.D

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ClientSampleId :

MDL-WATER-QT4-2023-08

Tgt Ion: 43 Resp: 969

Ion Ratio Lower Upper

43 100

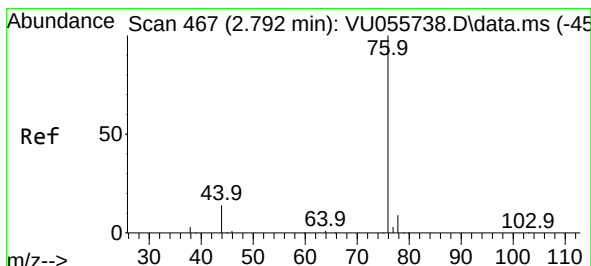
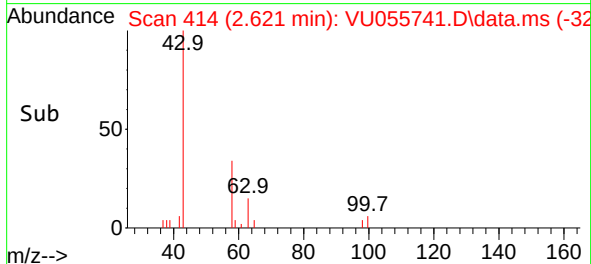
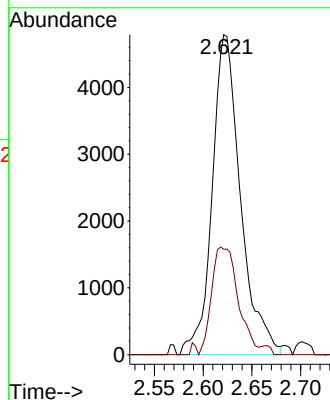
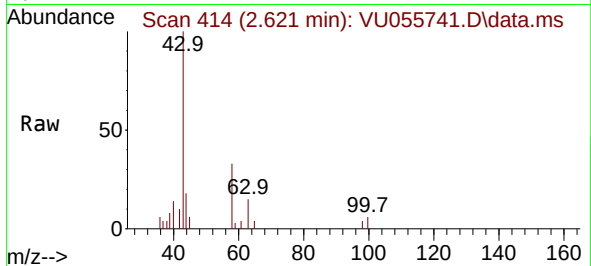
58 31.4 0.0 67.4

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#14

Carbon disulfide

Concen: 1.796 ug/L

RT: 2.785 min Scan# 465

Delta R.T. -0.007 min

Lab File: VU055741.D

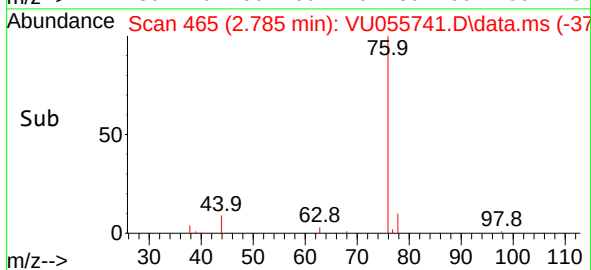
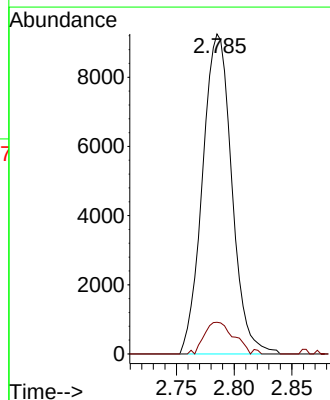
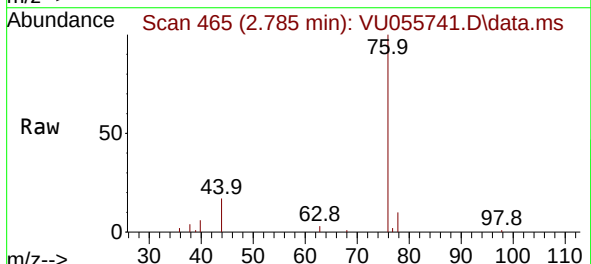
Acq: 11 Oct 2023 12:09

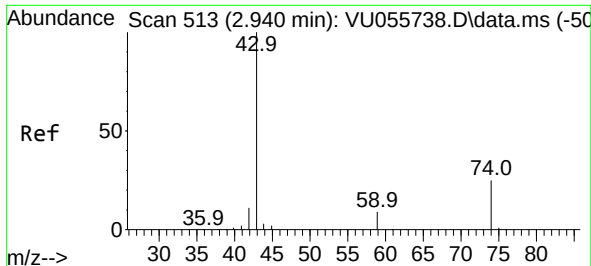
Tgt Ion: 76 Resp: 16307

Ion Ratio Lower Upper

76 100

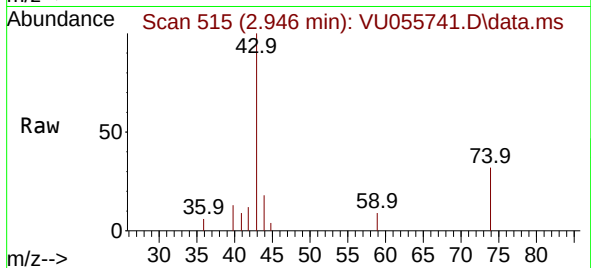
78 9.9 6.8 10.2





#15
Methyl Acetate
Concen: 1.910 ug/L
RT: 2.946 min Scan# 513
Delta R.T. 0.006 min
Lab File: VU055741.D
Acq: 11 Oct 2023 12:09

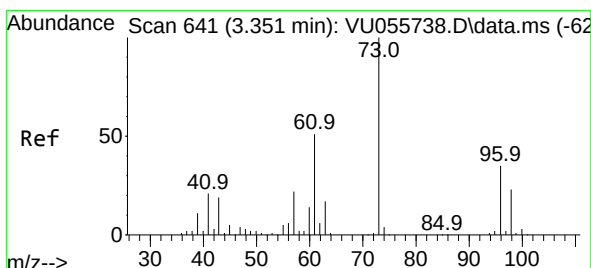
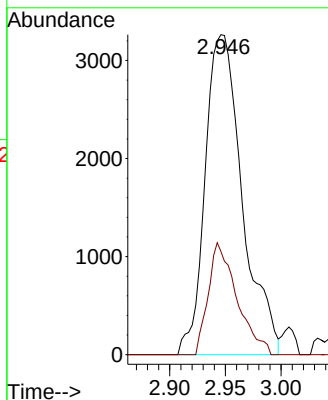
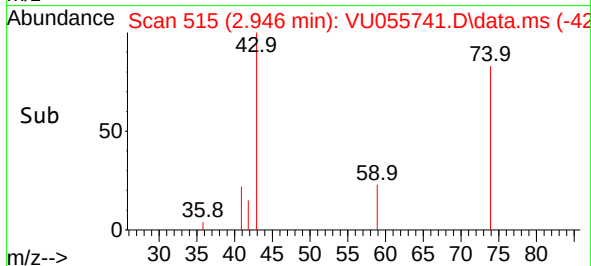
Instrument : MSVOA_U
ClientSampleId :
MDL-WATER-QT4-2023-08



Tgt Ion: 43 Resp: 759
Ion Ratio Lower Upper
43 100
74 26.9 19.5 29.3

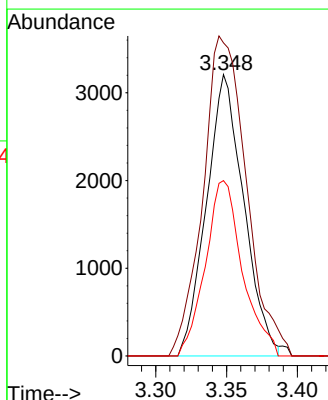
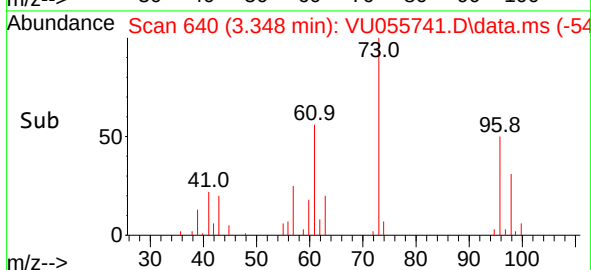
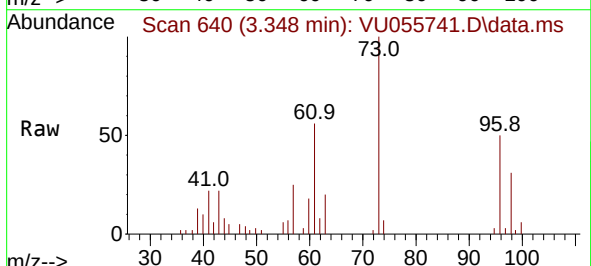
Manual Integrations
APPROVED

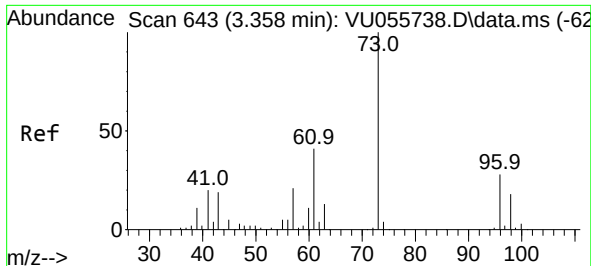
Reviewed By :John Carlone 10/12/2023
Supervised By :Mahesh Dadoda 10/12/2023



#17
trans-1,2-Dichloroethene
Concen: 1.925 ug/L
RT: 3.348 min Scan# 640
Delta R.T. -0.003 min
Lab File: VU055741.D
Acq: 11 Oct 2023 12:09

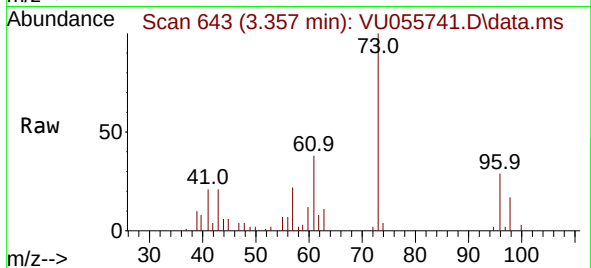
Tgt Ion: 96 Resp: 5875
Ion Ratio Lower Upper
96 100
61 111.3 102.1 189.7
98 65.6 46.3 86.1





#18
Methyl tert-butyl Ether
Concen: 1.864 ug/L
RT: 3.357 min Scan# 643
Delta R.T. -0.000 min
Lab File: VU055741.D
Acq: 11 Oct 2023 12:09

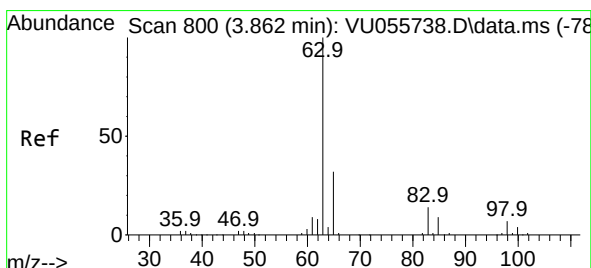
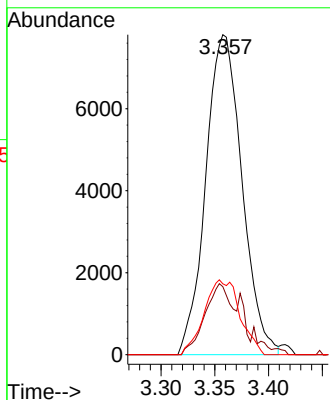
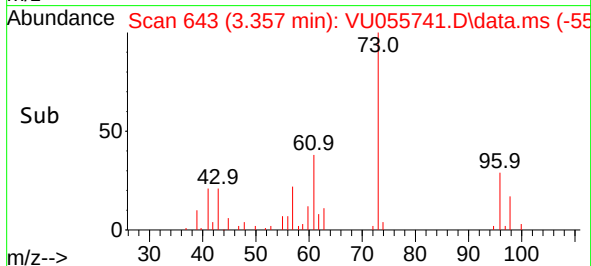
Instrument : MSVOA_U
ClientSampleId :
MDL-WATER-QT4-2023-08



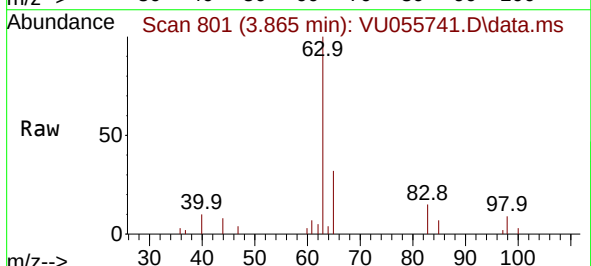
Tgt Ion: 73 Resp: 1829
Ion Ratio Lower Upper
73 100
43 16.7 15.4 23.2
57 14.5 17.7 26.5

Manual Integrations
APPROVED

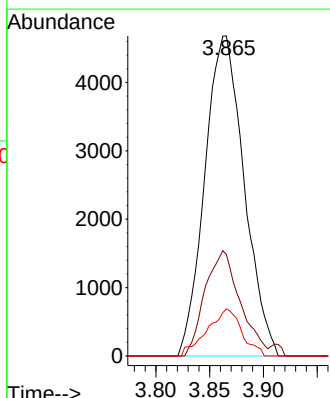
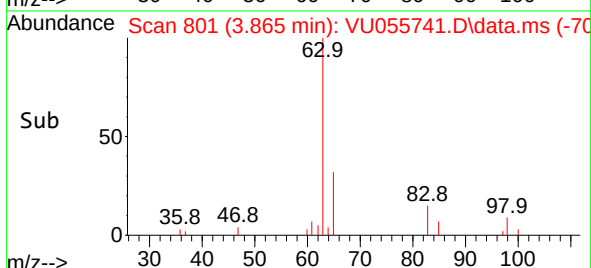
Reviewed By :John Carlone 10/12/2023
Supervised By :Mahesh Dadoda 10/12/2023

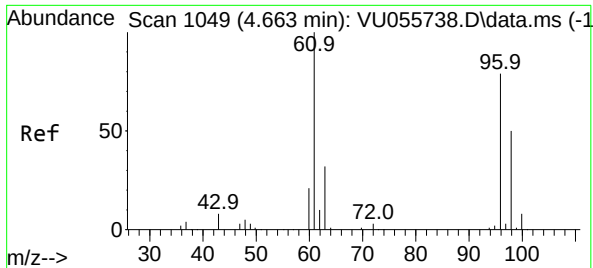


#19
1,1-Dichloroethane
Concen: 1.899 ug/L
RT: 3.865 min Scan# 801
Delta R.T. 0.003 min
Lab File: VU055741.D
Acq: 11 Oct 2023 12:09



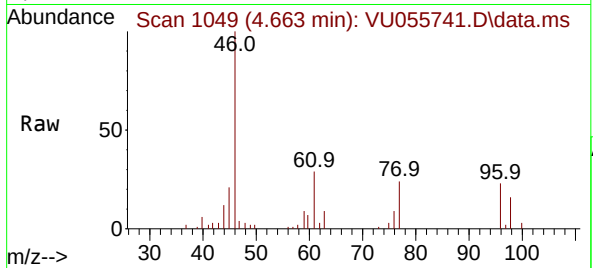
Tgt Ion: 63 Resp: 11887
Ion Ratio Lower Upper
63 100
65 31.7 22.3 41.5
83 14.7 9.5 17.7





#20
 cis-1,2-Dichloroethene
 Concen: 1.791 ug/L
 RT: 4.663 min Scan# 1049
 Delta R.T. -0.000 min
 Lab File: VU055741.D
 Acq: 11 Oct 2023 12:09

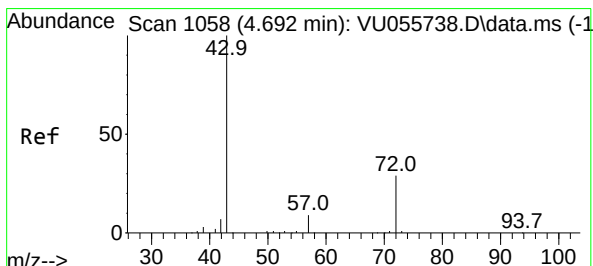
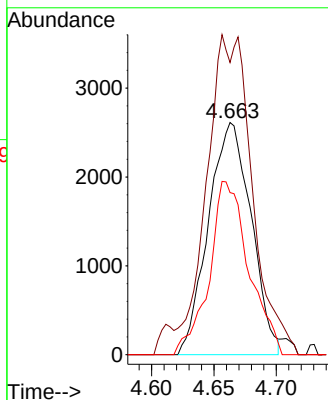
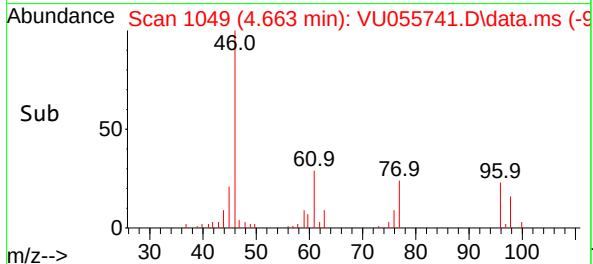
Instrument : MSVOA_U
 ClientSampleId :
 MDL-WATER-QT4-2023-08



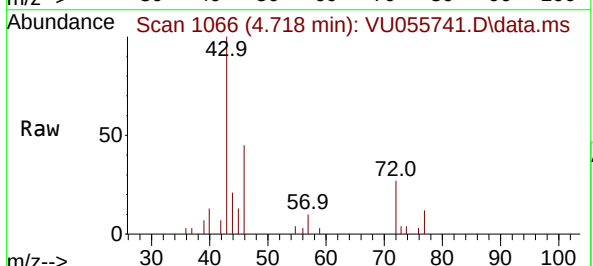
Tgt Ion: 96 Resp: 6237
 Ion Ratio Lower Upper
 96 100
 61 125.8 92.3 171.5
 98 69.8 43.9 81.5

Manual Integrations
 APPROVED

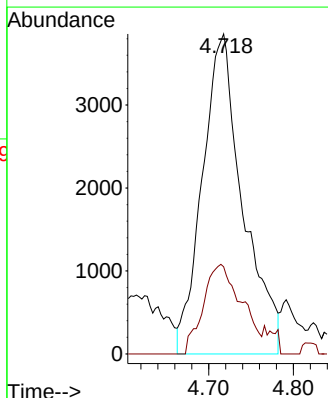
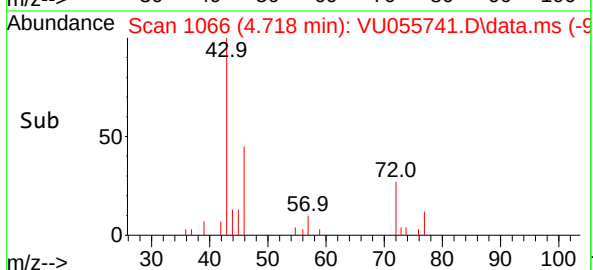
Reviewed By :John Carlone 10/12/2023
 Supervised By :Mahesh Dadoda 10/12/2023

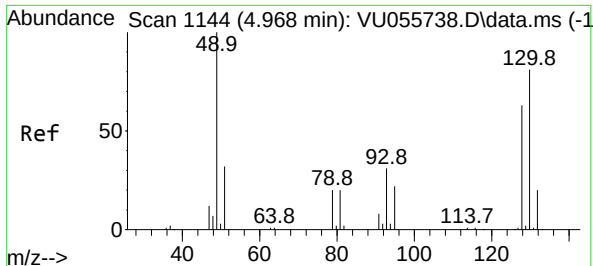


#22
 2-Butanone
 Concen: 4.077 ug/L m
 RT: 4.718 min Scan# 1066
 Delta R.T. 0.026 min
 Lab File: VU055741.D
 Acq: 11 Oct 2023 12:09



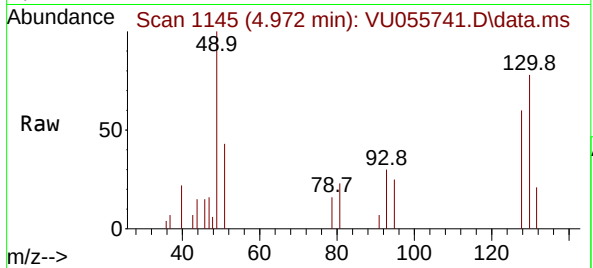
Tgt Ion: 43 Resp: 12760
 Ion Ratio Lower Upper
 43 100
 72 22.3 14.6 44.0





#23
Bromochloromethane
Concen: 1.823 ug/L
RT: 4.972 min Scan# 1144
Delta R.T. 0.003 min
Lab File: VU055741.D
Acq: 11 Oct 2023 12:09

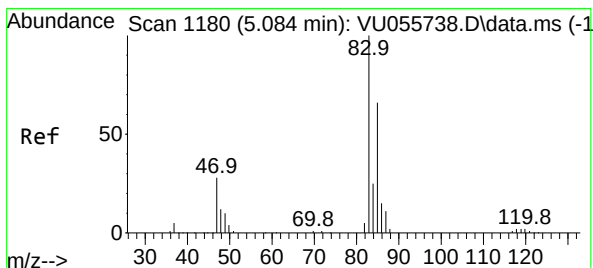
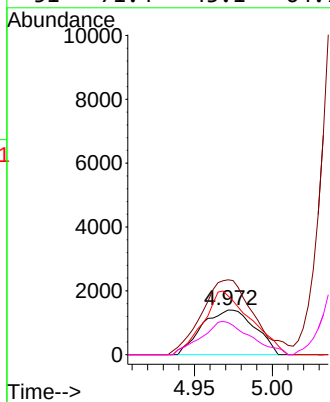
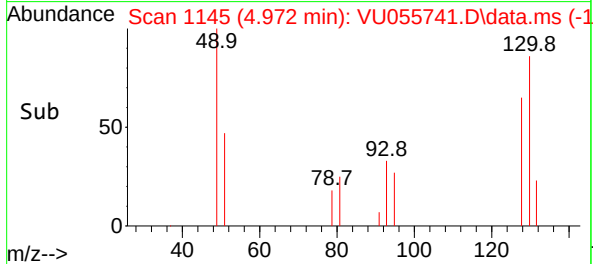
Instrument : MSVOA_U
ClientSampleId :
MDL-WATER-QT4-2023-08



Tgt Ion:128 Resp: 328
Ion Ratio Lower Upper
128 100
49 167.5 116.3 216.1
130 131.3 91.6 170.0
51 71.4 43.1 64.7#

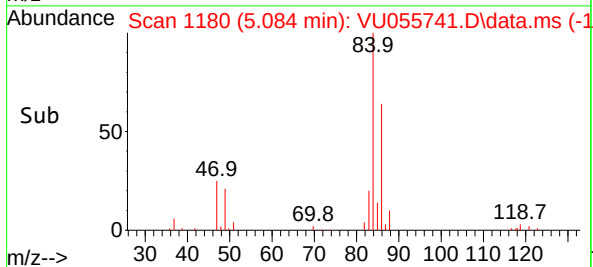
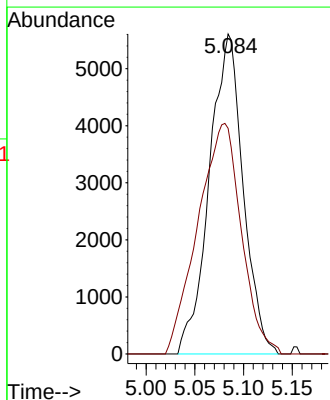
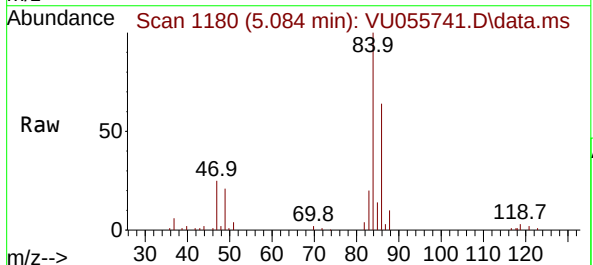
Manual Integrations
APPROVED

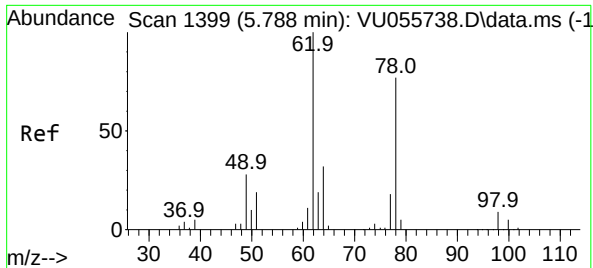
Reviewed By :John Carlone 10/12/2023
Supervised By :Mahesh Dadoda 10/12/2023



#25
Chloroform
Concen: 2.069 ug/L
RT: 5.084 min Scan# 1180
Delta R.T. -0.000 min
Lab File: VU055741.D
Acq: 11 Oct 2023 12:09

Tgt Ion: 83 Resp: 13528
Ion Ratio Lower Upper
83 100
85 70.5 46.3 86.1





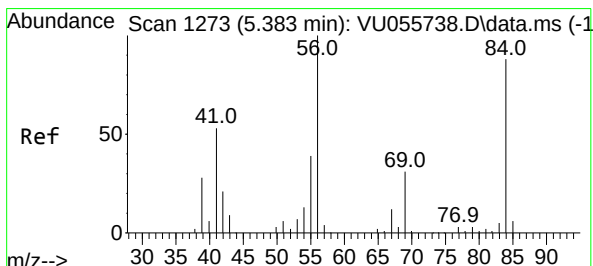
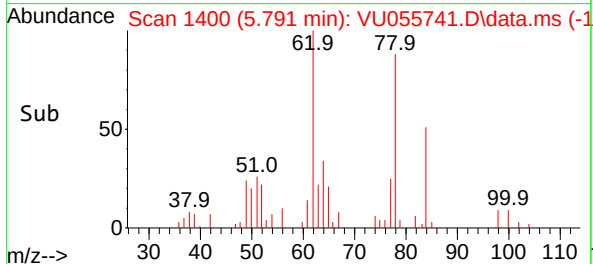
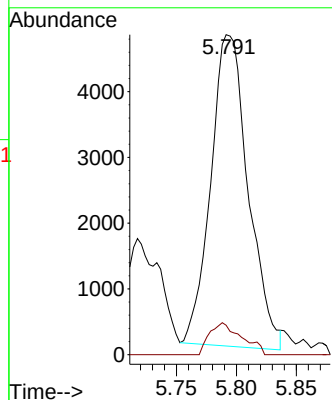
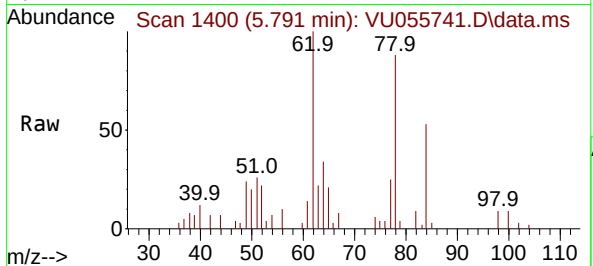
#27
1,2-Dichloroethane
Concen: 1.967 ug/L
RT: 5.791 min Scan# 1400
Delta R.T. 0.003 min
Lab File: VU055741.D
Acq: 11 Oct 2023 12:09

Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT4-2023-08

Tgt Ion: 62 Resp: 10284
Ion Ratio Lower Upper
62 100
98 9.2 7.2 10.8

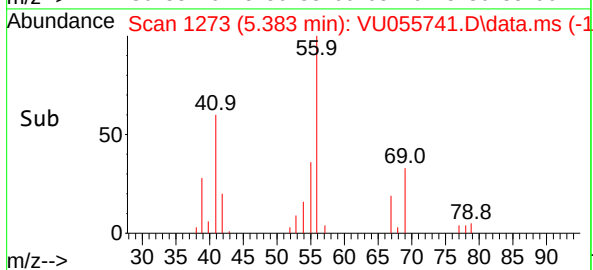
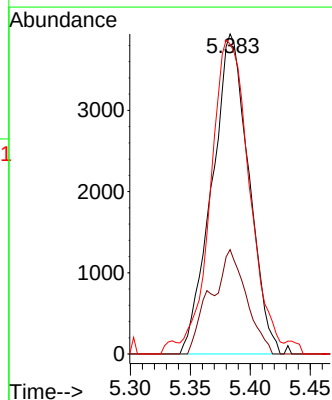
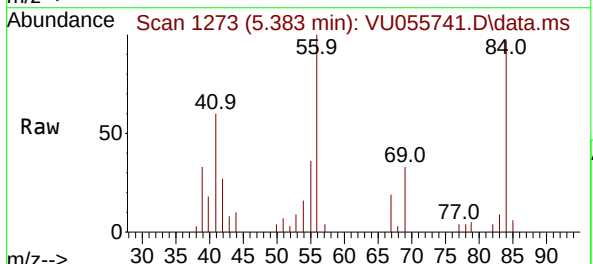
Manual Integrations
APPROVED

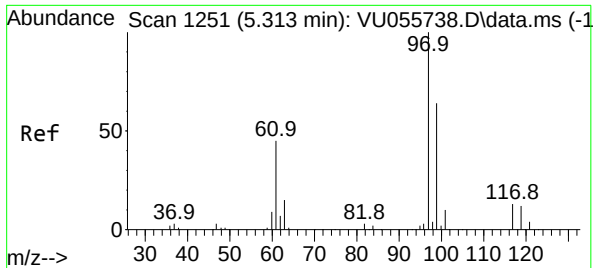
Reviewed By :John Carlone 10/12/2023
Supervised By :Mahesh Dadoda 10/12/2023



#29
Cyclohexane
Concen: 1.731 ug/L
RT: 5.383 min Scan# 1273
Delta R.T. -0.000 min
Lab File: VU055741.D
Acq: 11 Oct 2023 12:09

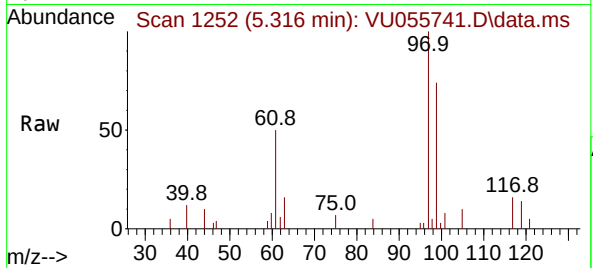
Tgt Ion: 56 Resp: 8413
Ion Ratio Lower Upper
56 100
69 22.7 24.9 37.3#
84 102.7 70.7 106.1





#30
1,1,1-Trichloroethane
Concen: 1.820 ug/L
RT: 5.316 min Scan# 1251
Delta R.T. 0.003 min
Lab File: VU055741.D
Acq: 11 Oct 2023 12:09

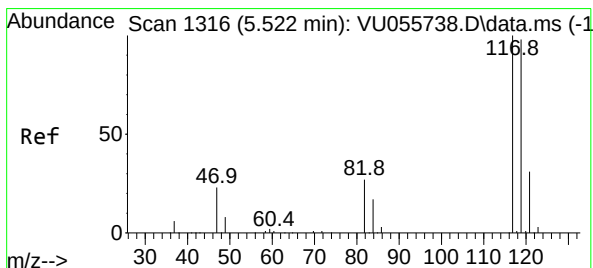
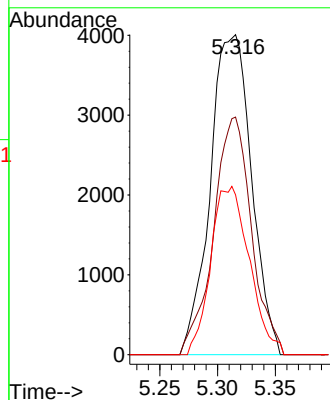
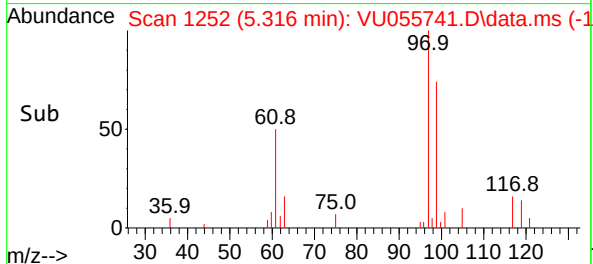
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT4-2023-08



Tgt Ion: 97 Resp: 9970
Ion Ratio Lower Upper
97 100
99 68.4 51.6 77.4
61 24.0 36.8 55.2

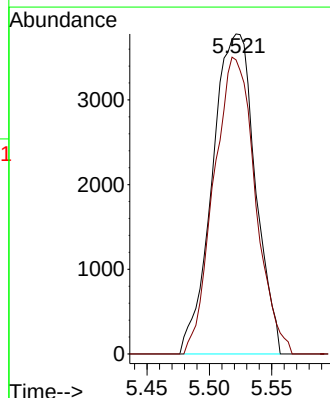
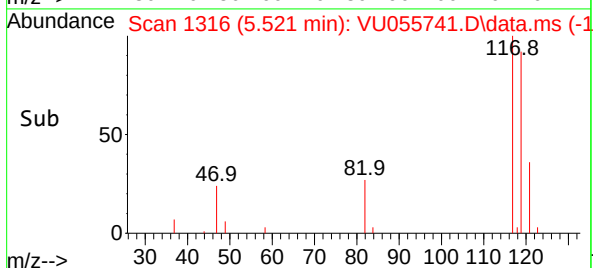
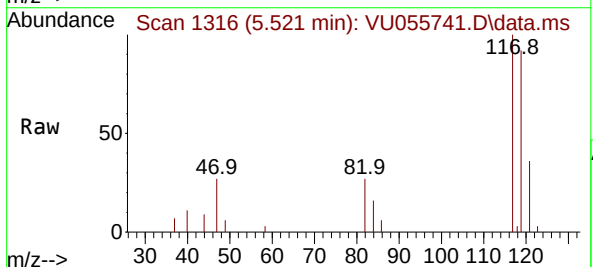
Manual Integrations
APPROVED

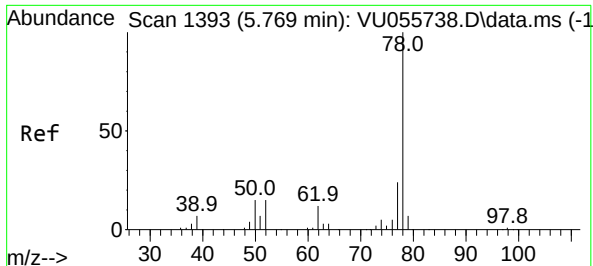
Reviewed By :John Carlone 10/12/2023
Supervised By :Mahesh Dadoda 10/12/2023



#31
Carbon tetrachloride
Concen: 1.887 ug/L
RT: 5.521 min Scan# 1316
Delta R.T. -0.000 min
Lab File: VU055741.D
Acq: 11 Oct 2023 12:09

Tgt Ion:117 Resp: 9045
Ion Ratio Lower Upper
117 100
119 89.6 75.4 113.0





#33

Benzene

Concen: 1.906 ug/L

RT: 5.772 min Scan# 1394

Delta R.T. 0.003 min

Lab File: VU055741.D

Acq: 11 Oct 2023 12:09

Instrument :

MSVOA_U

ClientSampleId :

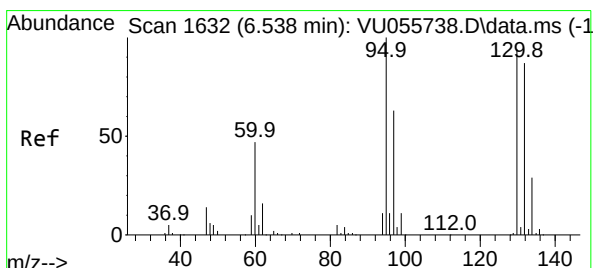
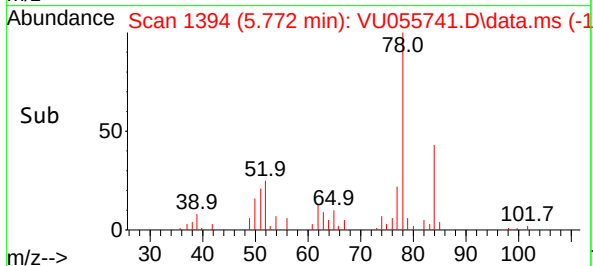
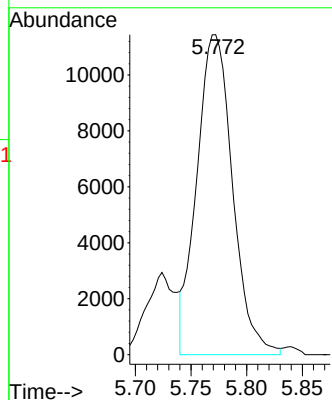
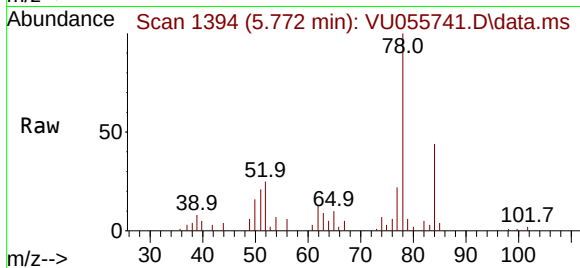
MDL-WATER-QT4-2023-08

Tgt Ion: 78 Resp: 2554

Manual Integrations
APPROVED

Reviewed By :John Carlone 10/12/2023

Supervised By :Mahesh Dadoda 10/12/2023



#34

Trichloroethene

Concen: 1.852 ug/L

RT: 6.544 min Scan# 1634

Delta R.T. 0.006 min

Lab File: VU055741.D

Acq: 11 Oct 2023 12:09

Tgt Ion: 95 Resp: 6789

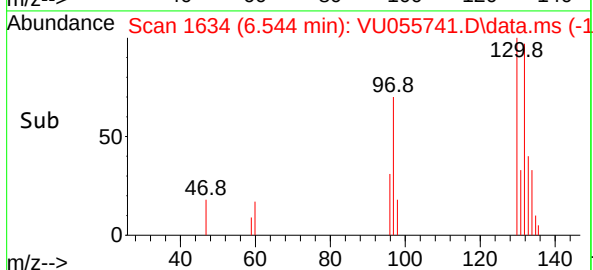
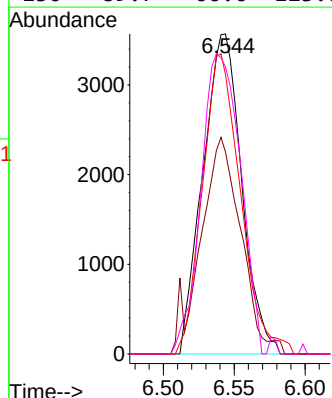
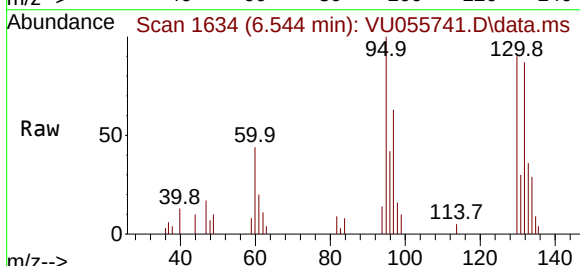
Ion Ratio Lower Upper

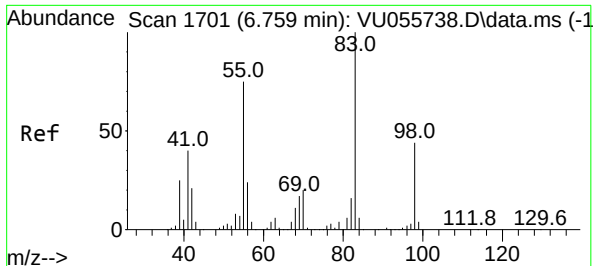
95 100

97 63.1 44.4 82.5

132 87.3 61.8 114.8

130 89.7 66.6 123.8





#35

Methylcyclohexane

Concen: 1.865 ug/L

RT: 6.762 min Scan# 1710

Delta R.T. 0.003 min

Lab File: VU055741.D

Acq: 11 Oct 2023 12:09

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-QT4-2023-08

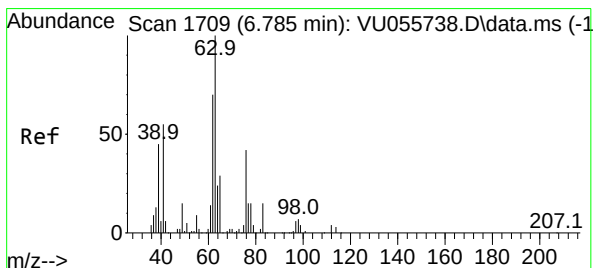
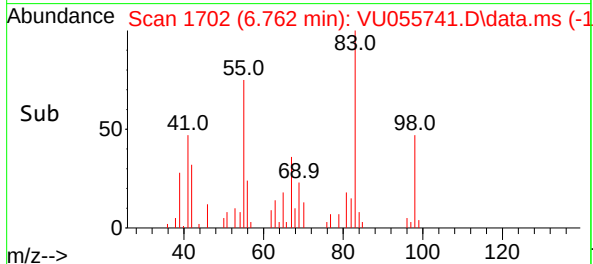
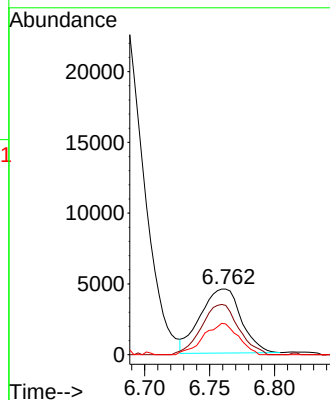
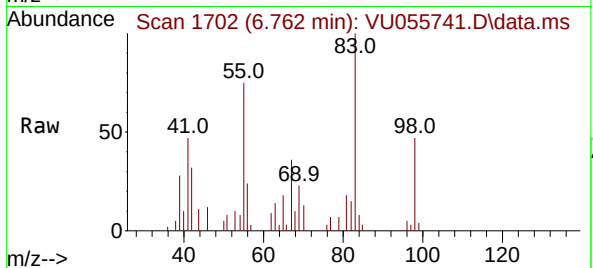
Tgt Ion: 83	Resp: 992
Ion Ratio	Lower Upper
83	100
55	71.0 61.2 91.8
98	41.3 35.8 53.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/12/2023

Supervised By :Mahesh Dadoda 10/12/2023



#37

1,2-Dichloropropane

Concen: 2.059 ug/L

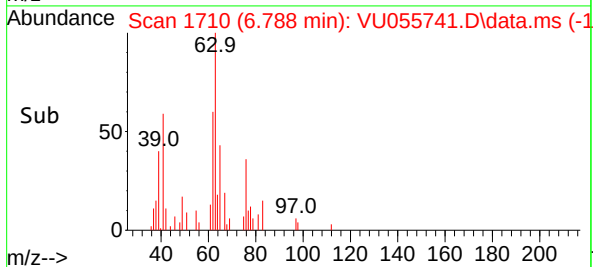
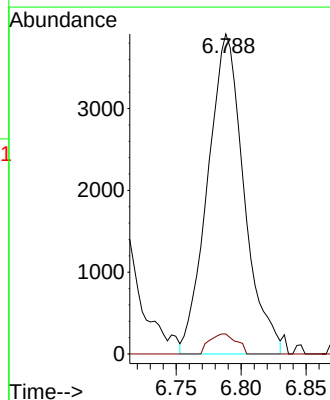
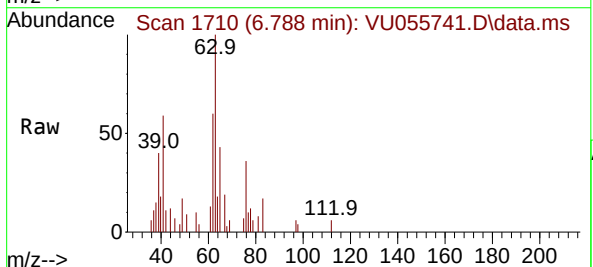
RT: 6.788 min Scan# 1710

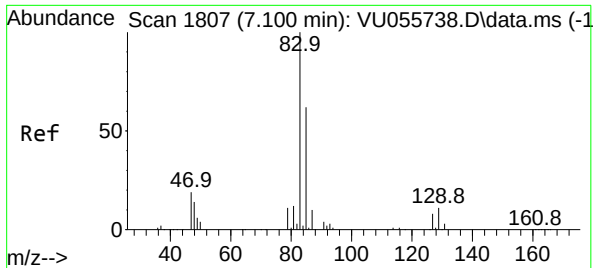
Delta R.T. 0.003 min

Lab File: VU055741.D

Acq: 11 Oct 2023 12:09

Tgt Ion: 63	Resp: 7598
Ion Ratio	Lower Upper
63	100
112	4.6 3.0 4.4#





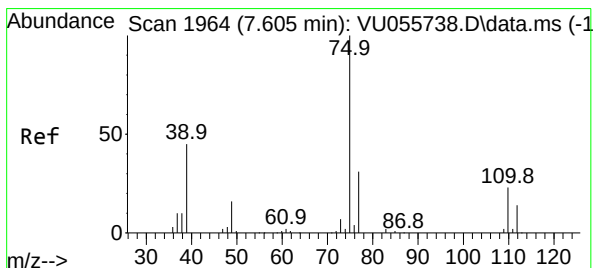
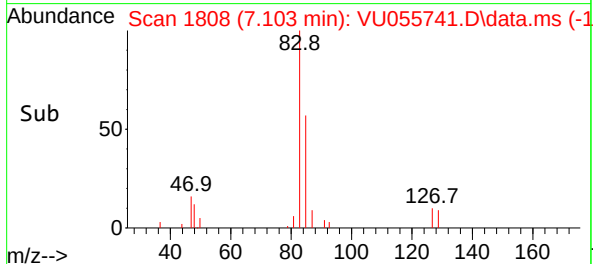
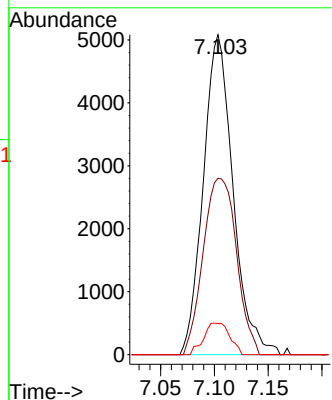
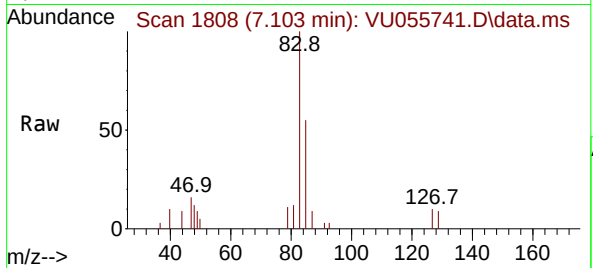
#38
Bromodichloromethane
Concen: 2.008 ug/L
RT: 7.103 min Scan# 1808
Delta R.T. 0.003 min
Lab File: VU055741.D
Acq: 11 Oct 2023 12:09

Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT4-2023-08

Tgt Ion: 83 Resp: 977
Ion Ratio Lower Upper
83 100
85 55.1 46.0 85.4
127 9.7 7.0 10.4

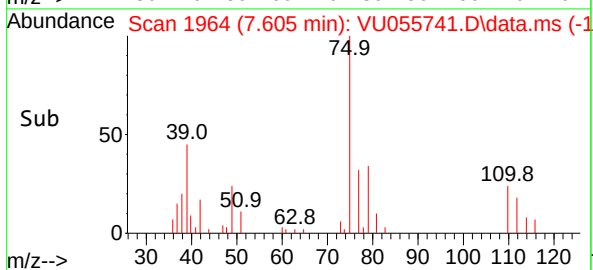
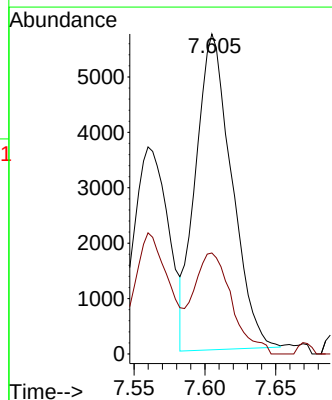
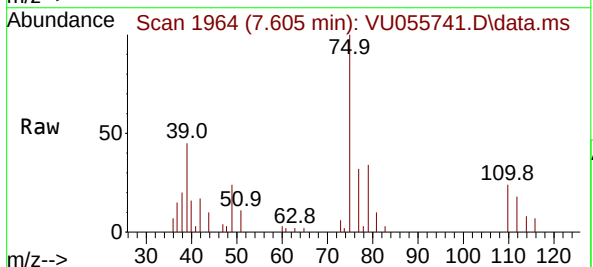
Manual Integrations
APPROVED

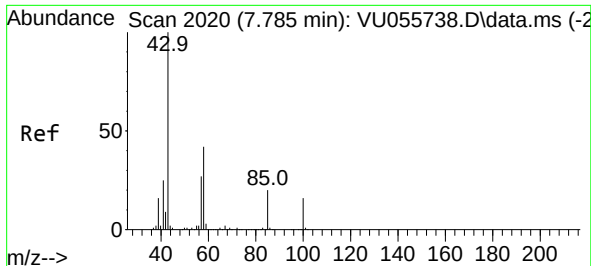
Reviewed By :John Carlone 10/12/2023
Supervised By :Mahesh Dadoda 10/12/2023



#39
cis-1,3-Dichloropropene
Concen: 1.792 ug/L
RT: 7.605 min Scan# 1964
Delta R.T. -0.000 min
Lab File: VU055741.D
Acq: 11 Oct 2023 12:09

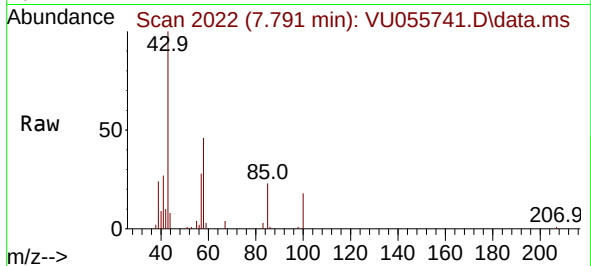
Tgt Ion: 75 Resp: 10060
Ion Ratio Lower Upper
75 100
77 31.5 21.7 40.3





#40
4-Methyl-2-pentanone
Concen: 3.680 ug/L
RT: 7.791 min Scan# 2020
Delta R.T. 0.006 min
Lab File: VU055741.D
Acq: 11 Oct 2023 12:09

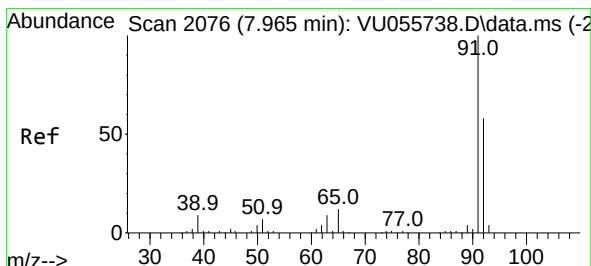
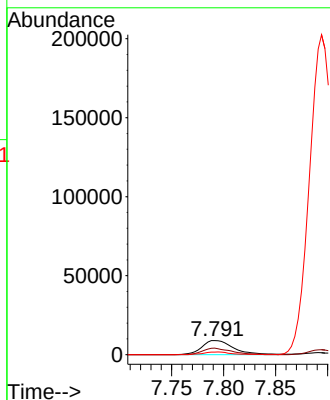
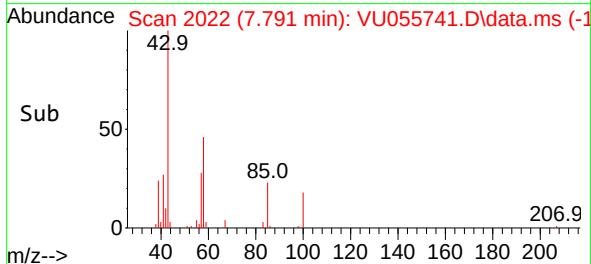
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT4-2023-08



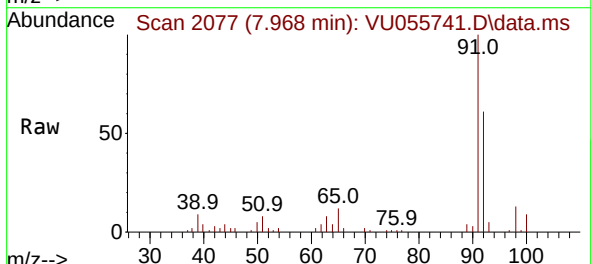
Tgt Ion: 43 Resp: 1889
Ion Ratio Lower Upper
43 100
58 42.7 32.3 48.5
100 16.8 12.0 18.0

Manual Integrations
APPROVED

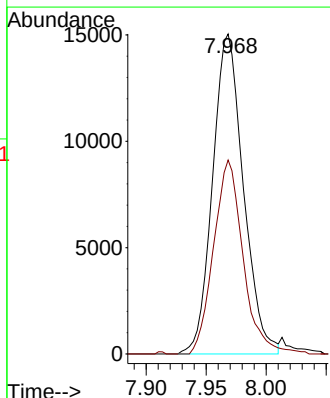
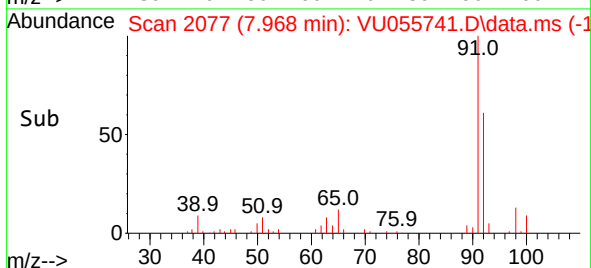
Reviewed By :John Carlone 10/12/2023
Supervised By :Mahesh Dadoda 10/12/2023

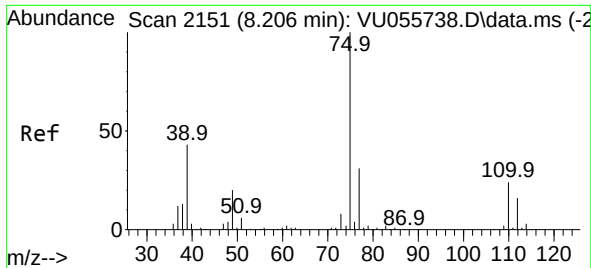


#42
Toluene
Concen: 1.899 ug/L
RT: 7.968 min Scan# 2077
Delta R.T. 0.003 min
Lab File: VU055741.D
Acq: 11 Oct 2023 12:09



Tgt Ion: 91 Resp: 26846
Ion Ratio Lower Upper
91 100
92 60.6 40.0 74.4





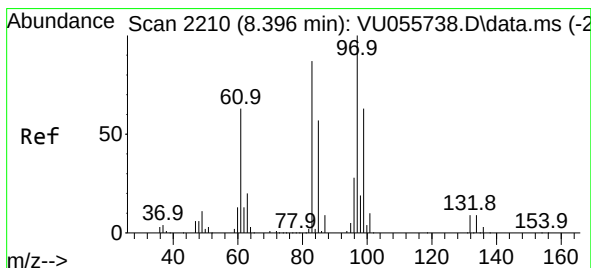
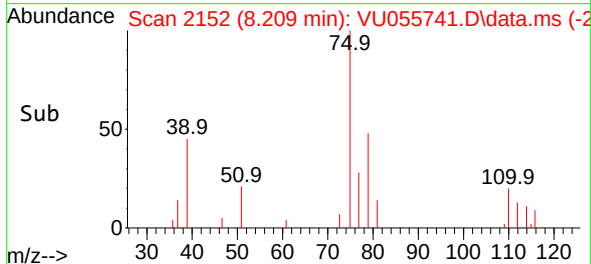
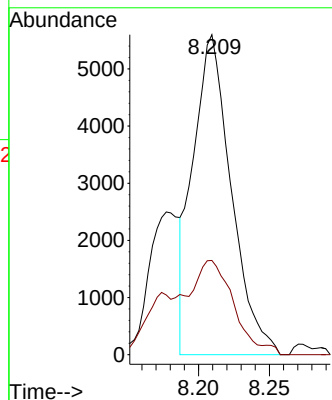
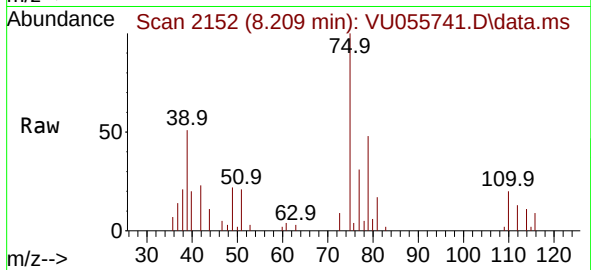
#44
trans-1,3-Dichloropropene
Concen: 1.952 ug/L
RT: 8.209 min Scan# 2151
Delta R.T. 0.003 min
Lab File: VU055741.D
Acq: 11 Oct 2023 12:09

Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT4-2023-08

Tgt Ion: 75 Resp: 10486
Ion Ratio Lower Upper
75 100
77 29.4 21.6 40.2

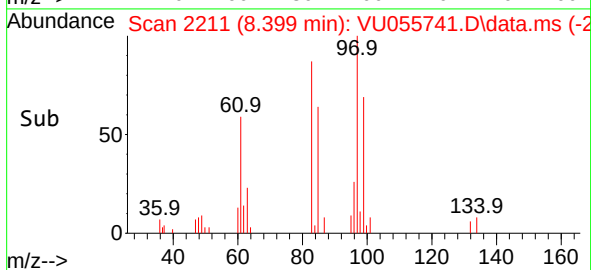
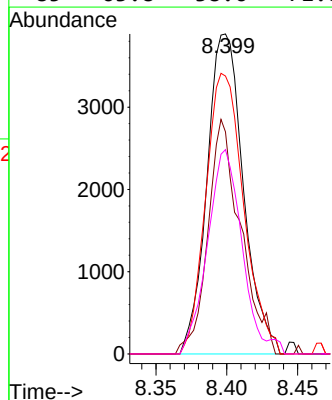
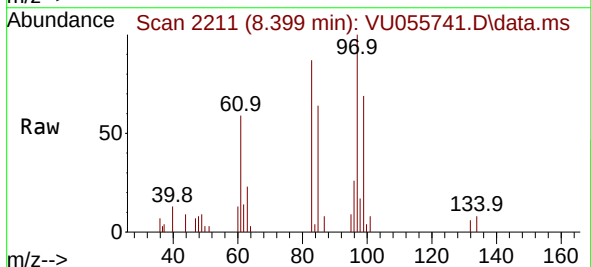
Manual Integrations
APPROVED

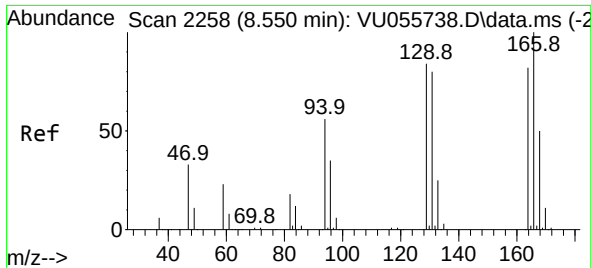
Reviewed By :John Carlone 10/12/2023
Supervised By :Mahesh Dadoda 10/12/2023



#45
1,1,2-Trichloroethane
Concen: 1.915 ug/L
RT: 8.399 min Scan# 2211
Delta R.T. 0.003 min
Lab File: VU055741.D
Acq: 11 Oct 2023 12:09

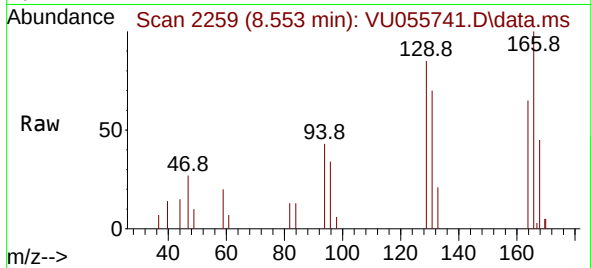
Tgt Ion: 97 Resp: 6969
Ion Ratio Lower Upper
97 100
99 69.4 44.4 82.5
83 86.8 60.4 112.2
85 63.8 38.6 71.8





#46
Tetrachloroethene
Concen: 1.688 ug/L
RT: 8.553 min Scan# 2258
Delta R.T. 0.003 min
Lab File: VU055741.D
Acq: 11 Oct 2023 12:09

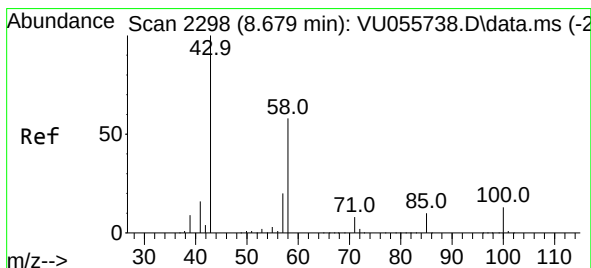
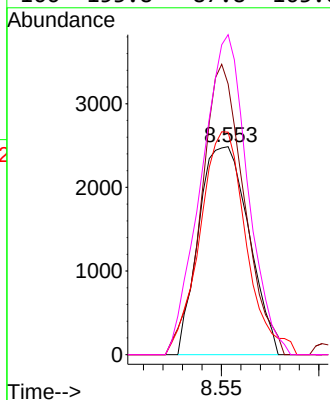
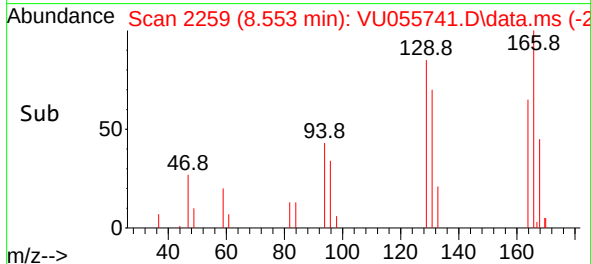
Instrument : MSVOA_U
ClientSampleId :
MDL-WATER-QT4-2023-08



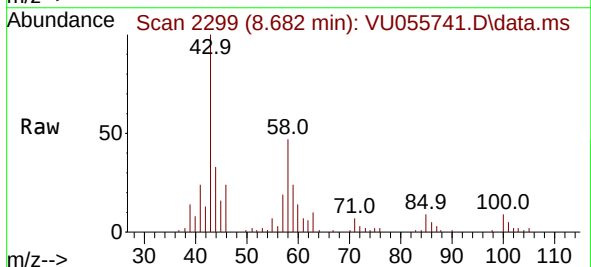
Tgt Ion:164 Resp: 443
Ion Ratio Lower Upper
164 100
129 130.1 70.7 131.3
131 107.0 65.9 122.5
166 153.8 87.8 163.0

Manual Integrations
APPROVED

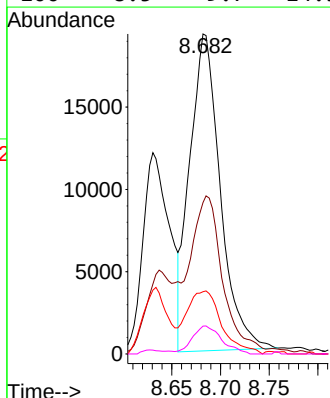
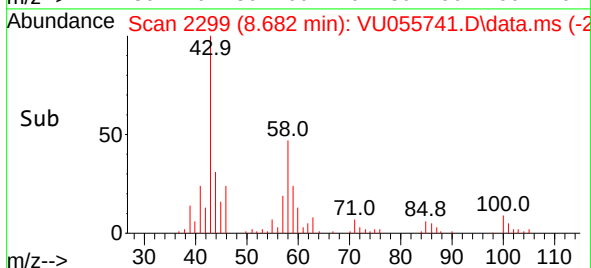
Reviewed By :John Carlone 10/12/2023
Supervised By :Mahesh Dadoda 10/12/2023

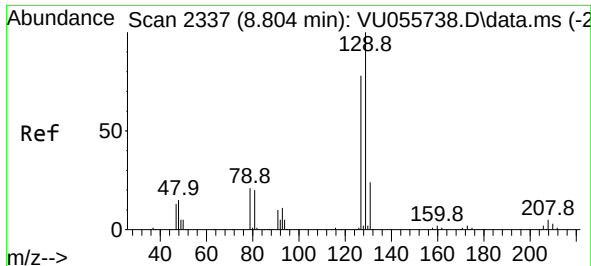


#48
2-Hexanone
Concen: 9.706 ug/L
RT: 8.682 min Scan# 2299
Delta R.T. 0.003 min
Lab File: VU055741.D
Acq: 11 Oct 2023 12:09



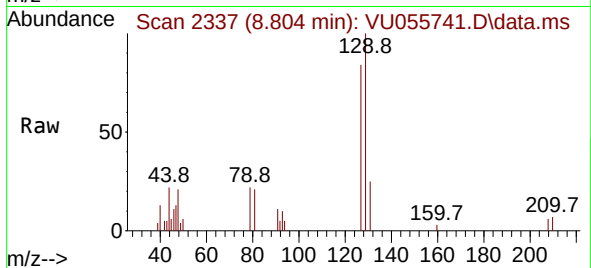
Tgt Ion: 43 Resp: 42085
Ion Ratio Lower Upper
43 100
58 47.2 45.2 67.8
57 22.5 16.1 24.1
100 8.5 9.7 14.5#





#49
Dibromochloromethane
Concen: 1.854 ug/L
RT: 8.804 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU055741.D
Acq: 11 Oct 2023 12:09

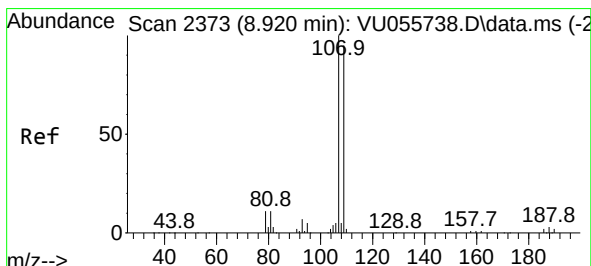
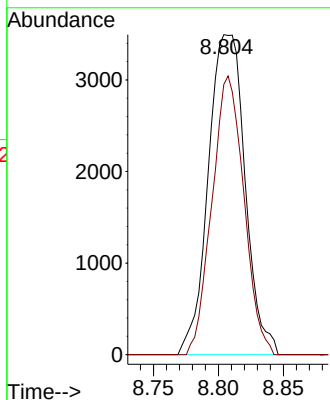
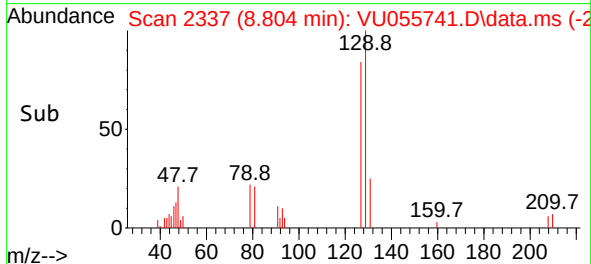
Instrument : MSVOA_U
ClientSampleId :
MDL-WATER-QT4-2023-08



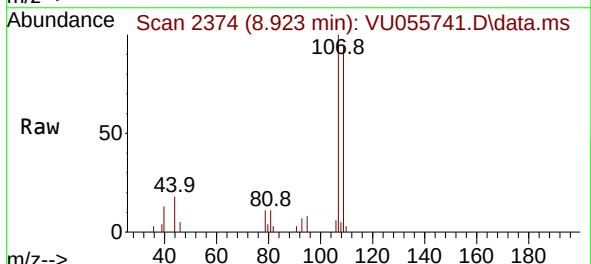
Tgt Ion:129 Resp: 689
Ion Ratio Lower Upper
129 100
127 84.4 54.0 100.4

Manual Integrations
APPROVED

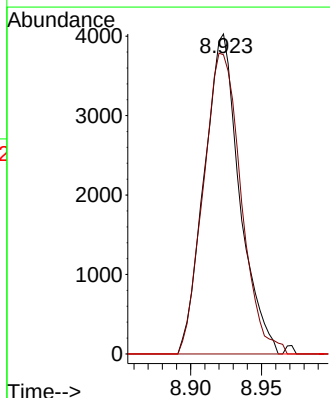
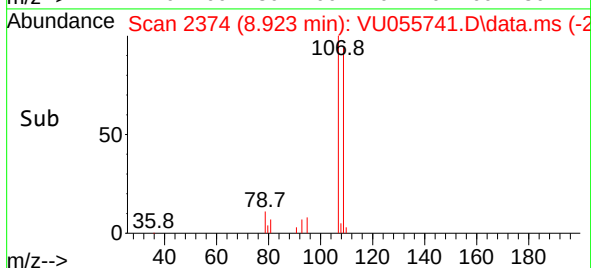
Reviewed By :John Carlone 10/12/2023
Supervised By :Mahesh Dadoda 10/12/2023

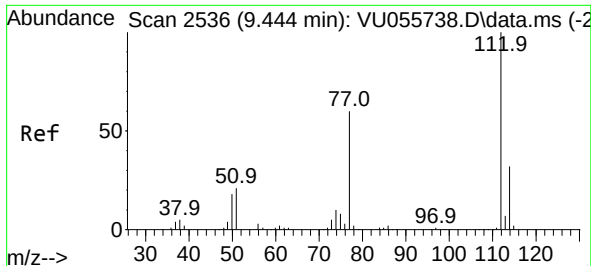


#50
1,2-Dibromoethane
Concen: 1.792 ug/L
RT: 8.923 min Scan# 2374
Delta R.T. 0.003 min
Lab File: VU055741.D
Acq: 11 Oct 2023 12:09



Tgt Ion:107 Resp: 7005
Ion Ratio Lower Upper
107 100
109 93.5 66.7 123.9
188 0.0 2.6 4.0#





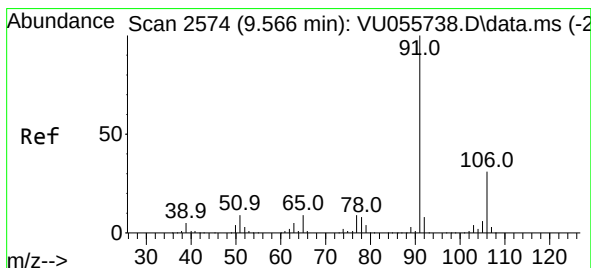
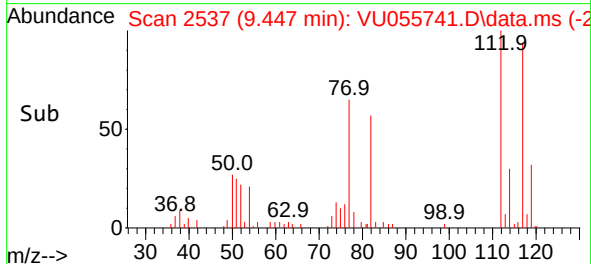
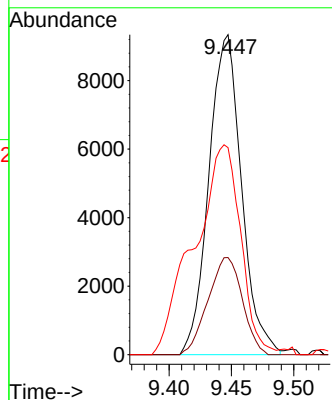
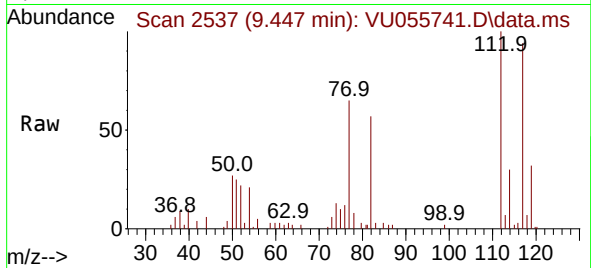
#51
Chlorobenzene
Concen: 1.861 ug/L
RT: 9.447 min Scan# 2536
Delta R.T. 0.003 min
Lab File: VU055741.D
Acq: 11 Oct 2023 12:09

Instrument : MSVOA_U
ClientSampleId :
MDL-WATER-QT4-2023-08

Tgt Ion:112 Resp: 1702
Ion Ratio Lower Upper
112 100
114 30.4 22.0 40.8
77 64.7 49.0 73.6

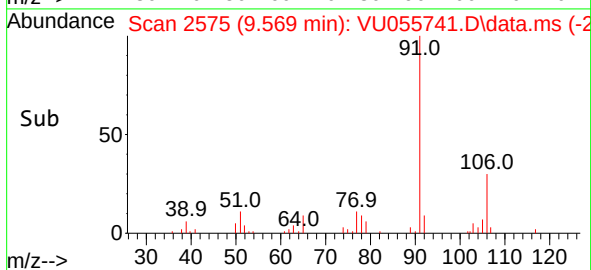
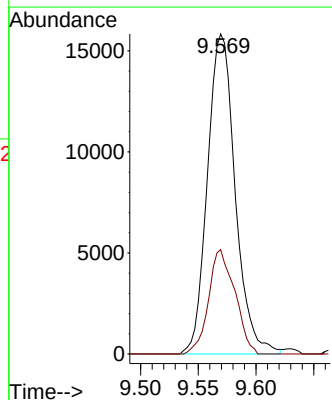
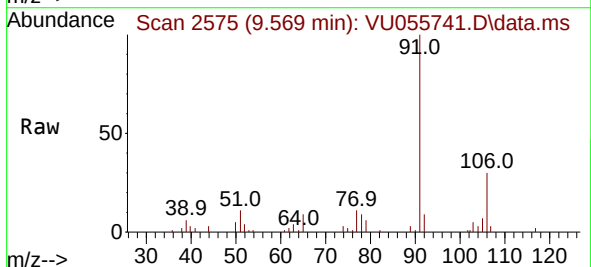
Manual Integrations
APPROVED

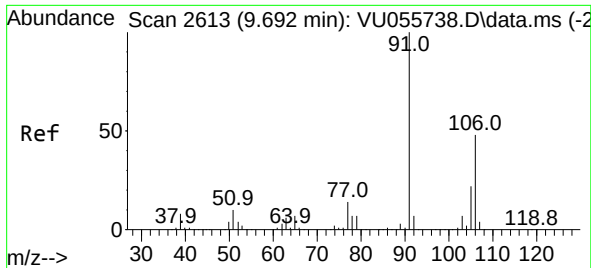
Reviewed By :John Carlone 10/12/2023
Supervised By :Mahesh Dadoda 10/12/2023



#52
Ethylbenzene
Concen: 1.715 ug/L
RT: 9.569 min Scan# 2575
Delta R.T. 0.003 min
Lab File: VU055741.D
Acq: 11 Oct 2023 12:09

Tgt Ion: 91 Resp: 26507
Ion Ratio Lower Upper
91 100
106 32.6 21.2 39.4





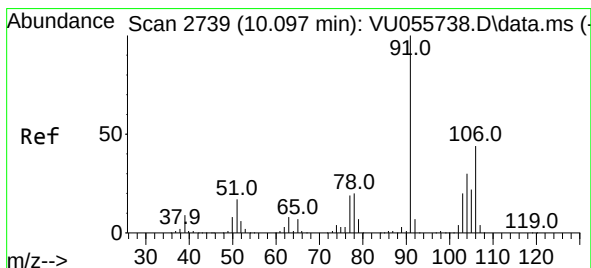
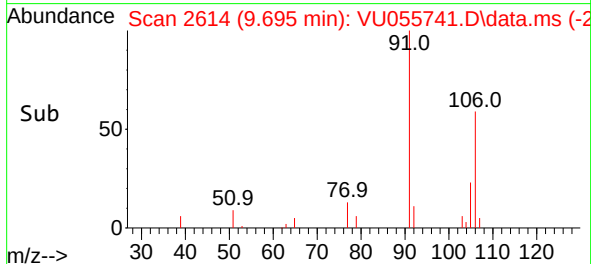
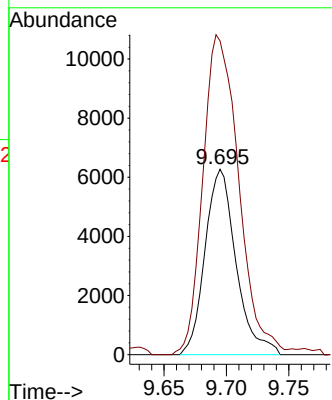
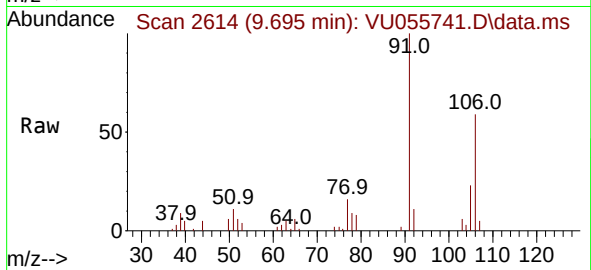
#53
m,p-Xylene
Concen: 1.876 ug/L
RT: 9.695 min Scan# 2106
Delta R.T. 0.003 min
Lab File: VU055741.D
Acq: 11 Oct 2023 12:09

Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT4-2023-08

Tgt Ion:106 Resp: 1086
Ion Ratio Lower Upper
106 100
91 169.2 143.8 267.0

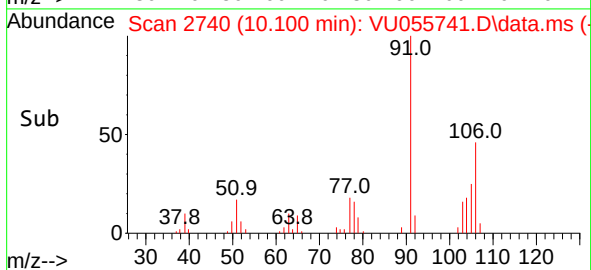
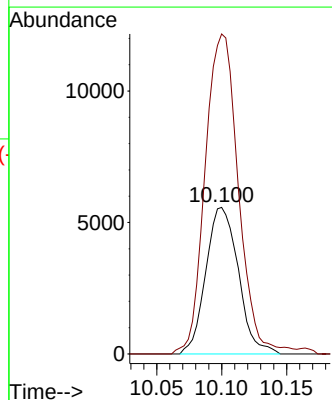
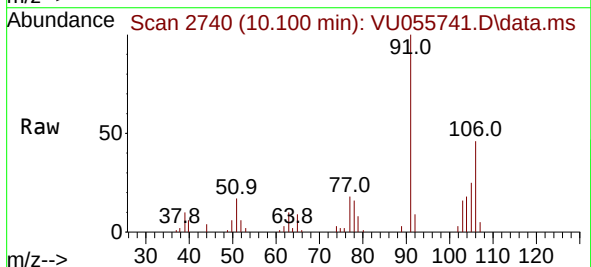
Manual Integrations
APPROVED

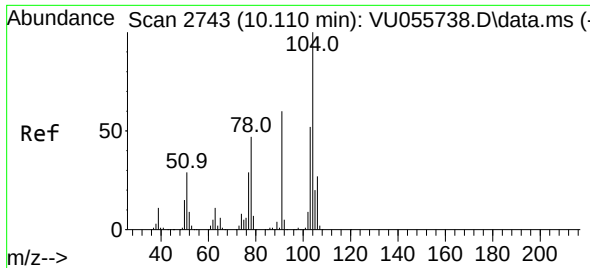
Reviewed By :John Carlone 10/12/2023
Supervised By :Mahesh Dadoda 10/12/2023



#54
o-Xylene
Concen: 1.733 ug/L
RT: 10.100 min Scan# 2740
Delta R.T. 0.003 min
Lab File: VU055741.D
Acq: 11 Oct 2023 12:09

Tgt Ion:106 Resp: 9712
Ion Ratio Lower Upper
106 100
91 218.2 151.8 282.0





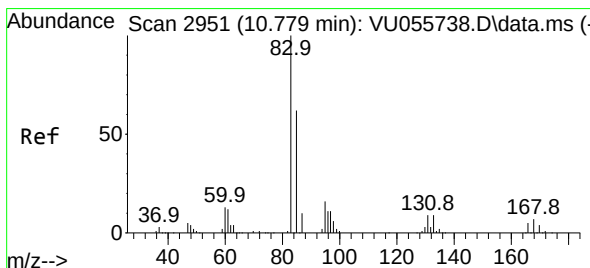
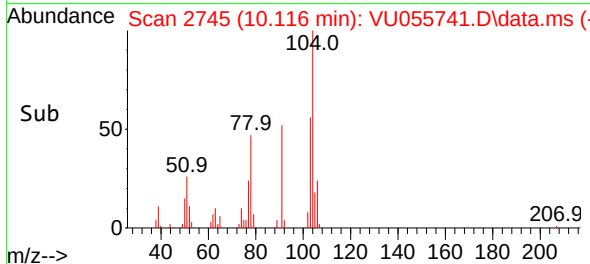
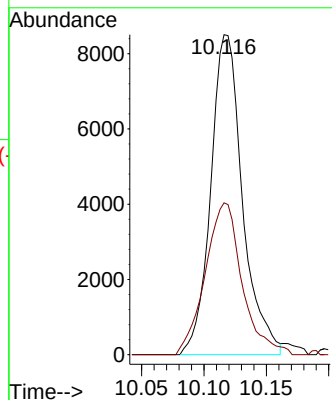
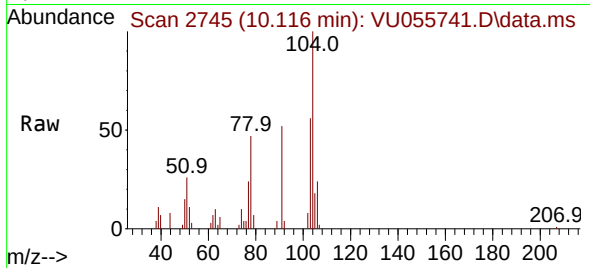
#55
Styrene
Concen: 1.589 ug/L
RT: 10.116 min Scan# 2108
Delta R.T. 0.006 min
Lab File: VU055741.D
Acq: 11 Oct 2023 12:09

Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT4-2023-08

Tgt Ion:104 Resp: 15089
Ion Ratio Lower Upper
104 100
78 47.5 33.6 62.4

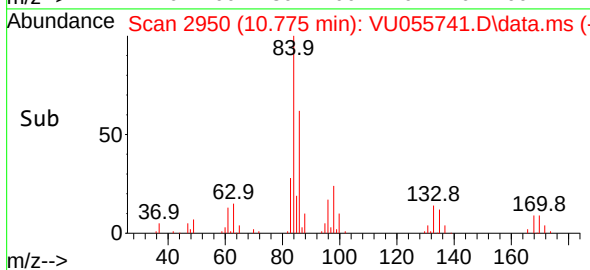
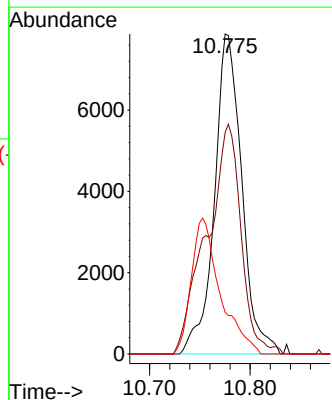
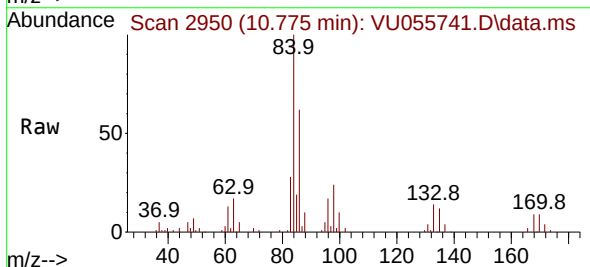
Manual Integrations
APPROVED

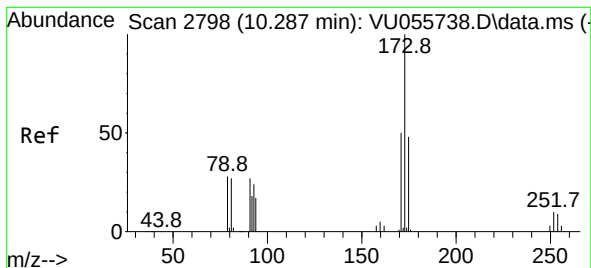
Reviewed By :John Carlone 10/12/2023
Supervised By :Mahesh Dadoda 10/12/2023



#57
1,1,2,2-Tetrachloroethane
Concen: 2.388 ug/L
RT: 10.775 min Scan# 2950
Delta R.T. -0.003 min
Lab File: VU055741.D
Acq: 11 Oct 2023 12:09

Tgt Ion: 83 Resp: 14877
Ion Ratio Lower Upper
83 100
85 69.2 44.9 83.5
131 13.0 7.3 10.9#





#59

Bromoform

Concen: 2.058 ug/L

RT: 10.290 min Scan# 21

Delta R.T. 0.003 min

Lab File: VU055741.D

Acq: 11 Oct 2023 12:09

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-QT4-2023-08

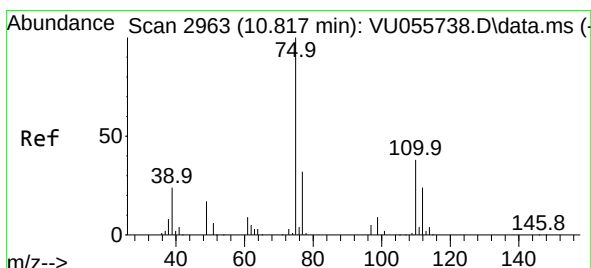
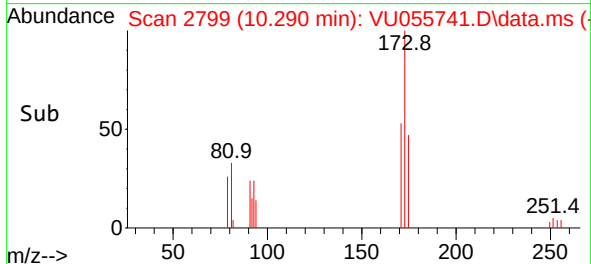
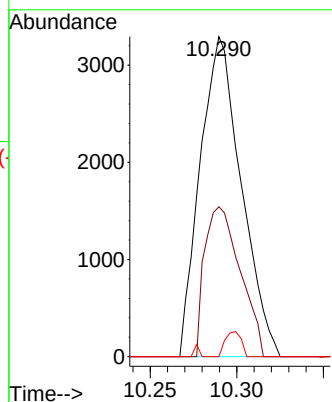
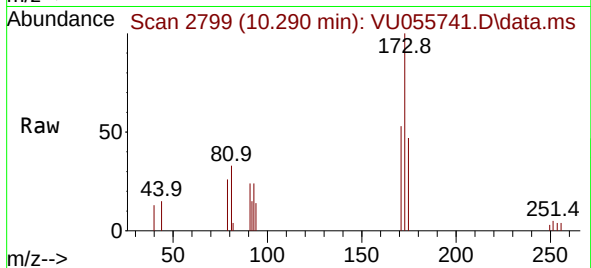
Tgt Ion:	173	Resp:	544
Ion Ratio	Lower	Upper	
173	100		
175	40.5	40.4	60.6
254	3.1	7.3	10.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/12/2023

Supervised By :Mahesh Dadoda 10/12/2023



#60

1,2,3-Trichloropropane

Concen: 2.471 ug/L

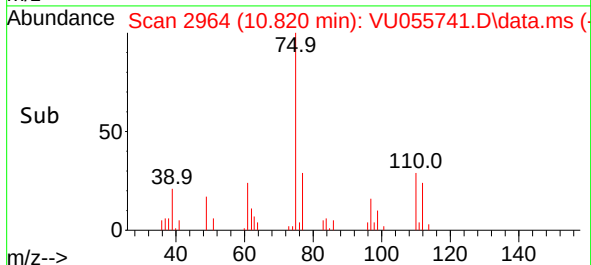
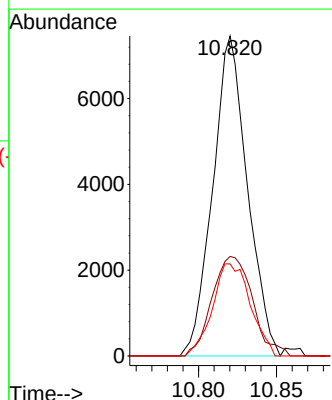
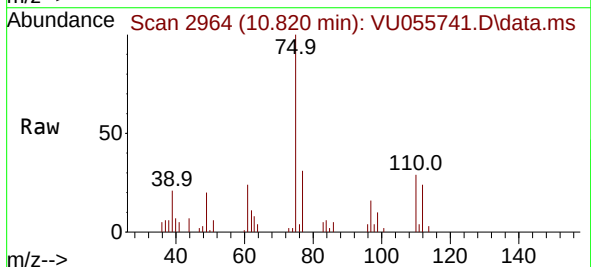
RT: 10.820 min Scan# 2964

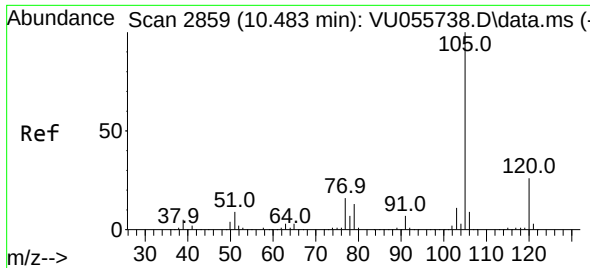
Delta R.T. 0.003 min

Lab File: VU055741.D

Acq: 11 Oct 2023 12:09

Tgt Ion:	75	Resp:	11523
Ion Ratio	Lower	Upper	
75	100		
77	36.2	25.8	38.8
110	31.5	28.5	42.7





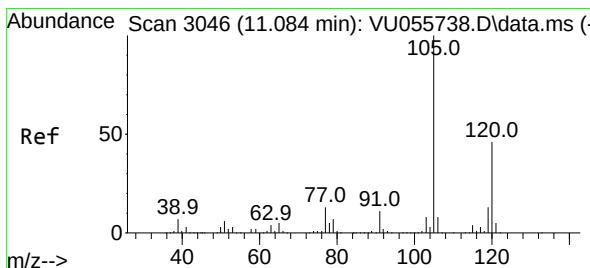
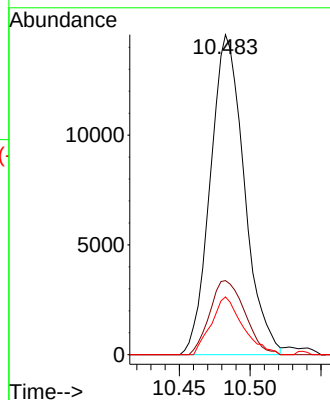
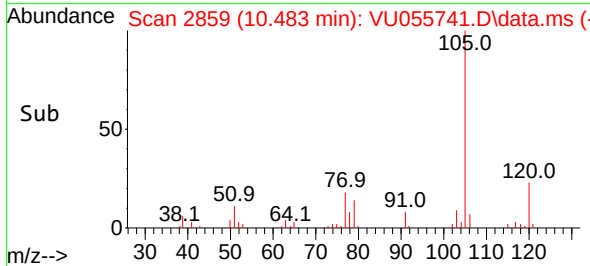
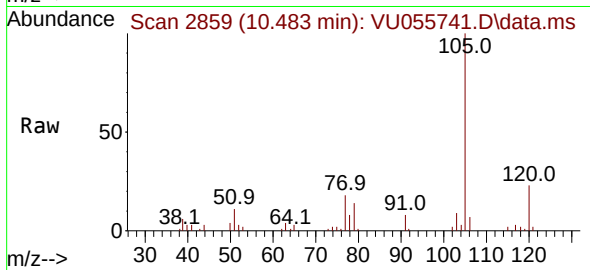
#61
Isopropylbenzene
Concen: 1.810 ug/L
RT: 10.483 min Scan# 2859
Delta R.T. -0.000 min
Lab File: VU055741.D
Acq: 11 Oct 2023 12:09

Instrument : MSVOA_U
ClientSampleId :
MDL-WATER-QT4-2023-08

Tgt Ion:105 Resp: 24239
Ion Ratio Lower Upper
105 100
120 23.9 20.6 30.8
77 16.8 13.4 20.0

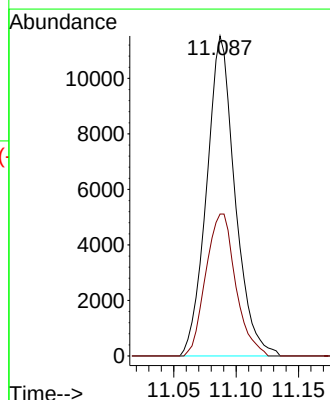
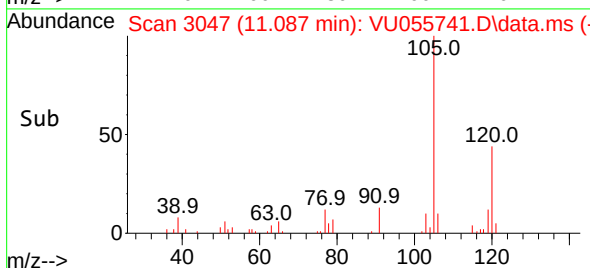
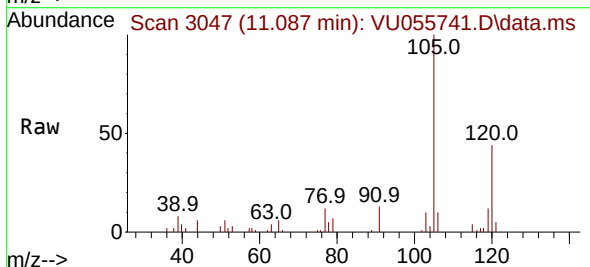
Manual Integrations
APPROVED

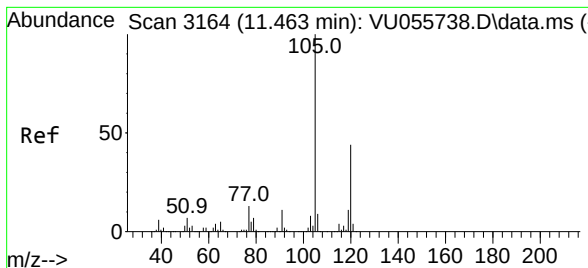
Reviewed By :John Carlone 10/12/2023
Supervised By :Mahesh Dadoda 10/12/2023



#62
1,3,5-Trimethylbenzene
Concen: 1.690 ug/L
RT: 11.087 min Scan# 3047
Delta R.T. 0.003 min
Lab File: VU055741.D
Acq: 11 Oct 2023 12:09

Tgt Ion:105 Resp: 18311
Ion Ratio Lower Upper
105 100
120 46.6 37.7 56.5





#63

1,2,4-Trimethylbenzene

Concen: 1.658 ug/L

RT: 11.466 min Scan# 3165

Delta R.T. 0.003 min

Lab File: VU055741.D

Acq: 11 Oct 2023 12:09

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-QT4-2023-08

Tgt Ion:105 Resp: 1777

Ion Ratio Lower Upper

105 100

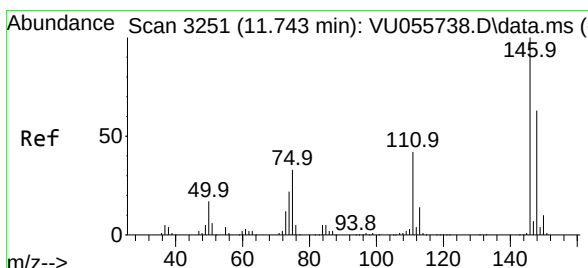
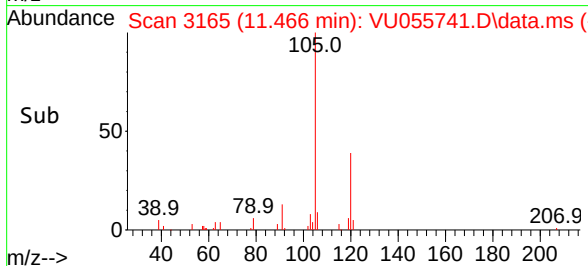
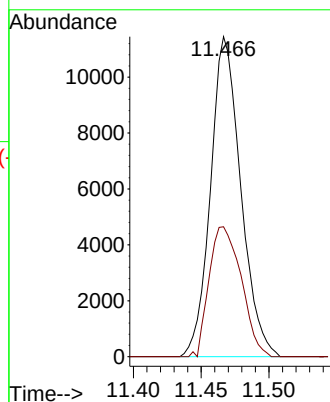
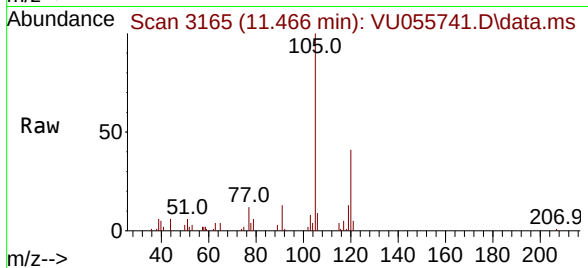
120 42.9 35.0 52.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 10/12/2023

Supervised By :Mahesh Dadoda 10/12/2023



#64

1,3-Dichlorobenzene

Concen: 1.981 ug/L

RT: 11.746 min Scan# 3252

Delta R.T. 0.003 min

Lab File: VU055741.D

Acq: 11 Oct 2023 12:09

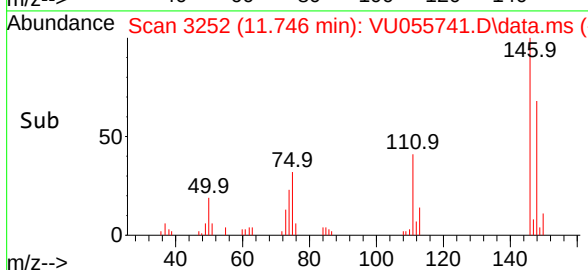
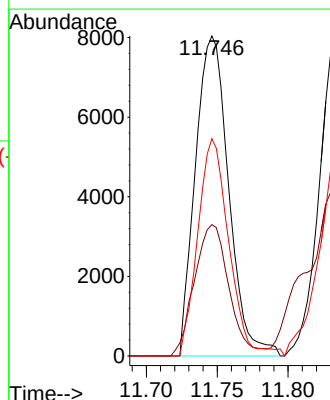
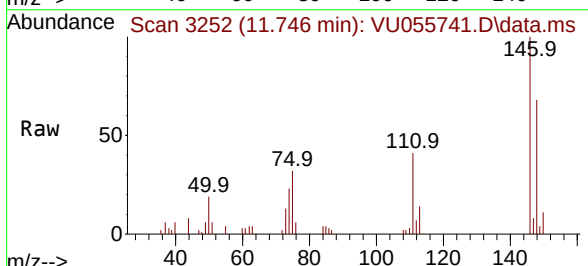
Tgt Ion:146 Resp: 13113

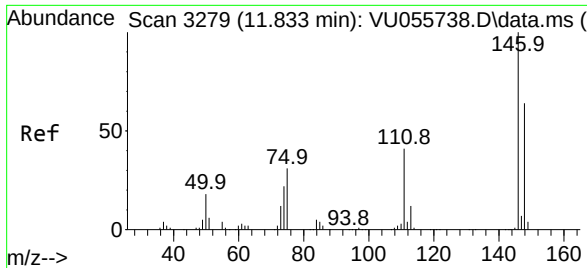
Ion Ratio Lower Upper

146 100

111 41.1 29.7 55.1

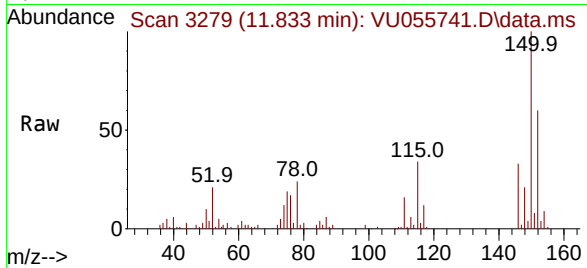
148 71.5 45.0 83.6





#65
1,4-Dichlorobenzene
Concen: 2.037 ug/L
RT: 11.833 min Scan# 31
Delta R.T. -0.000 min
Lab File: VU055741.D
Acq: 11 Oct 2023 12:09

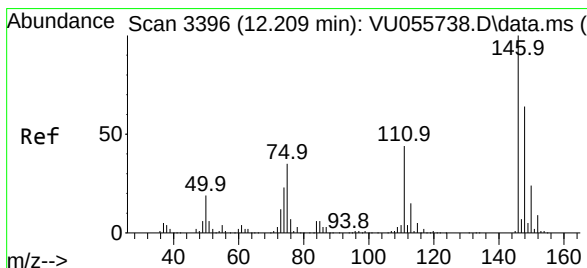
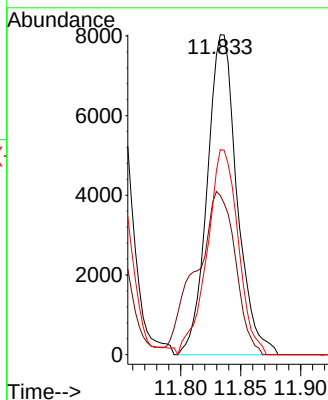
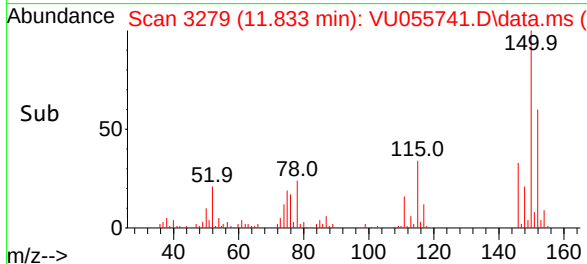
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT4-2023-08



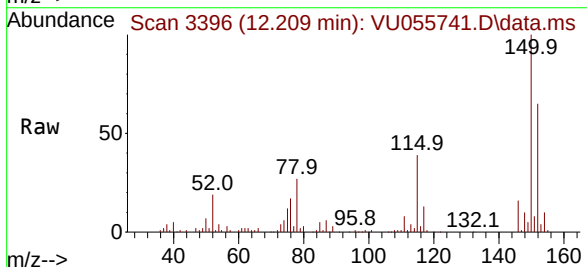
Tgt Ion:146 Resp: 1386
Ion Ratio Lower Upper
146 100
111 53.8 28.6 53.0
148 64.0 44.2 82.0

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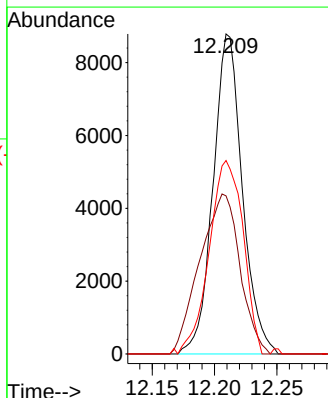
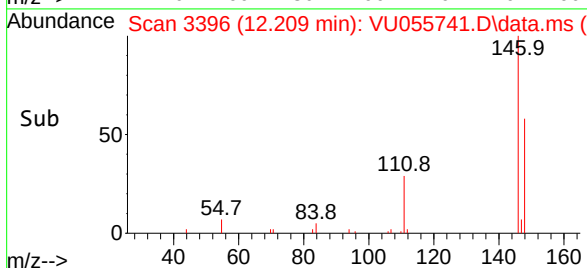
Reviewed By :John Carlone 10/12/2023
Supervised By :Mahesh Dadoda 10/12/2023

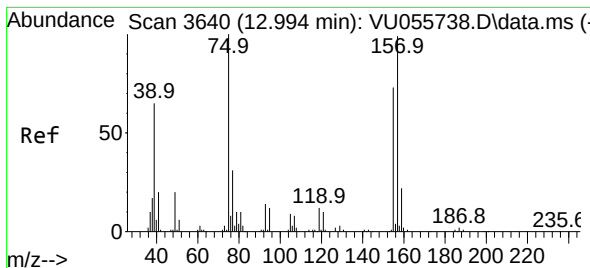


#67
1,2-Dichlorobenzene
Concen: 2.187 ug/L
RT: 12.209 min Scan# 3396
Delta R.T. -0.000 min
Lab File: VU055741.D
Acq: 11 Oct 2023 12:09



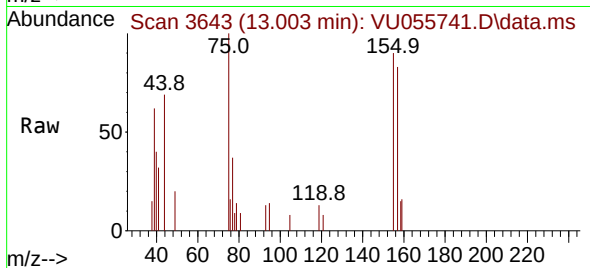
Tgt Ion:146 Resp: 14369
Ion Ratio Lower Upper
146 100
111 49.4 35.2 52.8
148 60.5 52.3 78.5





#68
1,2-Dibromo-3-chloropropane
Concen: 1.745 ug/L
RT: 13.003 min Scan# 3643
Delta R.T. 0.009 min
Lab File: VU055741.D
Acq: 11 Oct 2023 12:09

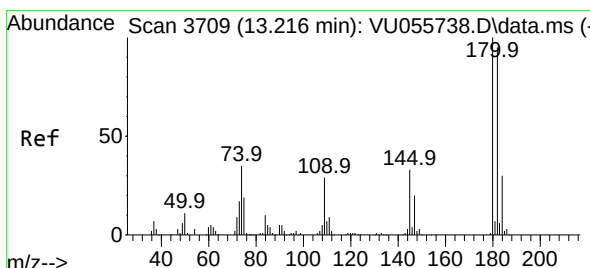
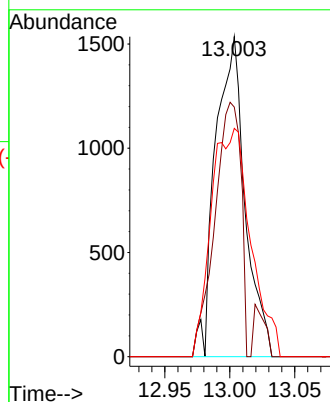
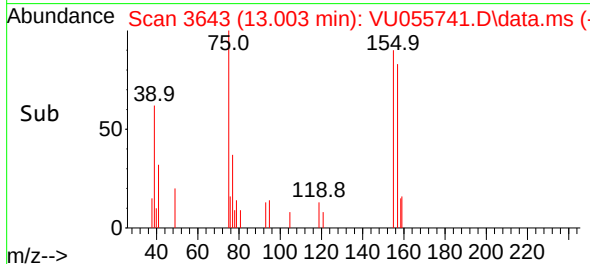
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT4-2023-08



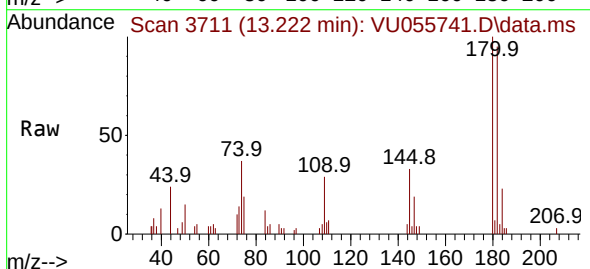
Tgt Ion: 75 Resp: 243
Ion Ratio Lower Upper
75 100
155 78.0 59.6 89.4
157 71.3 77.7 116.5

Manual Integrations
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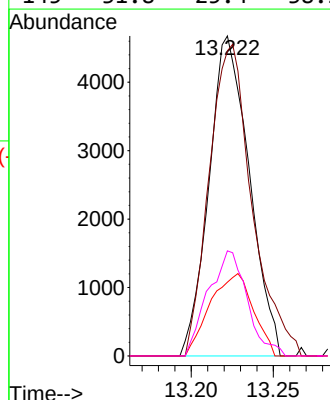
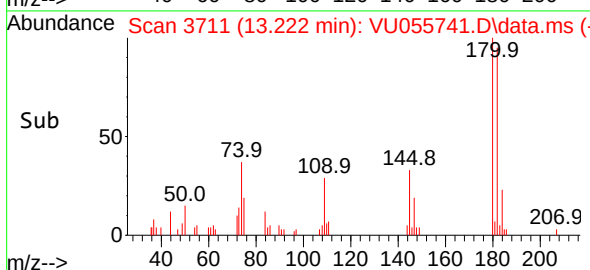
Reviewed By :John Carlone 10/12/2023
Supervised By :Mahesh Dadoda 10/12/2023

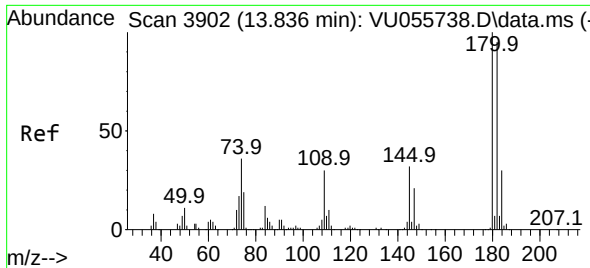


#69
1,3,5-Trichlorobenzene
Concen: 1.805 ug/L
RT: 13.222 min Scan# 3711
Delta R.T. 0.006 min
Lab File: VU055741.D
Acq: 11 Oct 2023 12:09



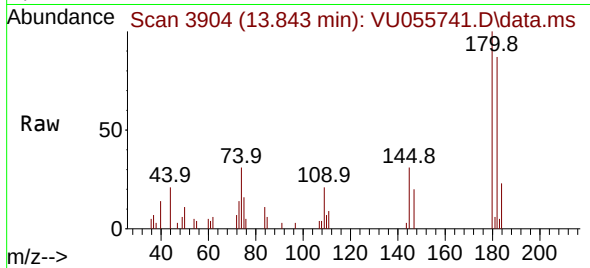
Tgt Ion:180 Resp: 7969
Ion Ratio Lower Upper
180 100
182 103.3 76.2 114.2
184 27.6 23.9 35.9
145 31.8 25.4 38.2





#70
1,2,4-trichlorobenzene
Concen: 1.771 ug/L
RT: 13.843 min Scan# 3904
Delta R.T. 0.006 min
Lab File: VU055741.D
Acq: 11 Oct 2023 12:09

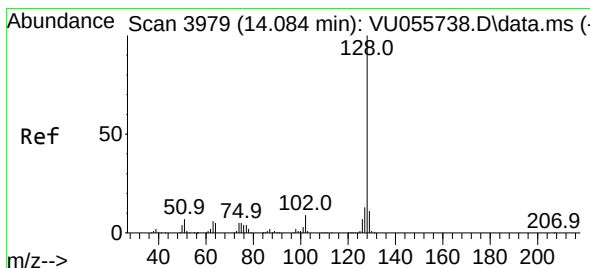
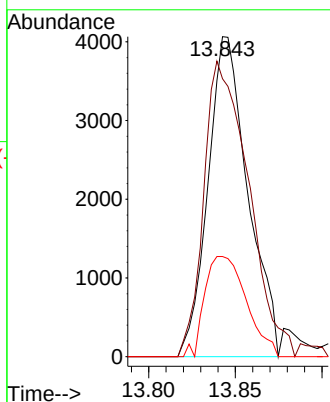
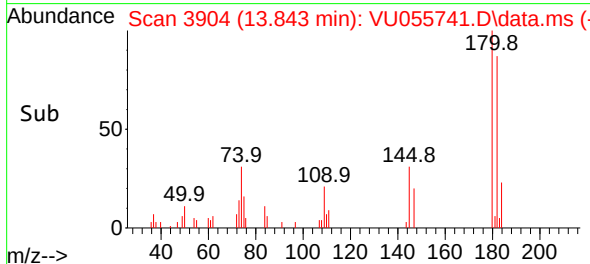
Instrument : MSVOA_U
ClientSampleId :
MDL-WATER-QT4-2023-08



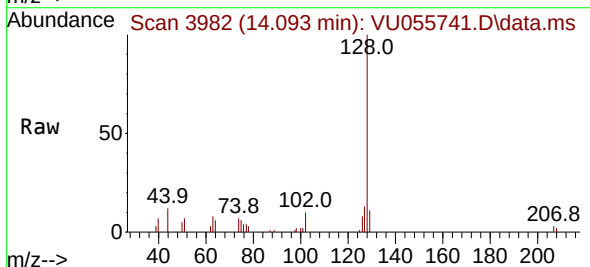
Tgt Ion:180 Resp: 651
Ion Ratio Lower Upper
180 100
182 103.5 75.4 113.2
145 32.3 26.1 39.1

Manual Integrations
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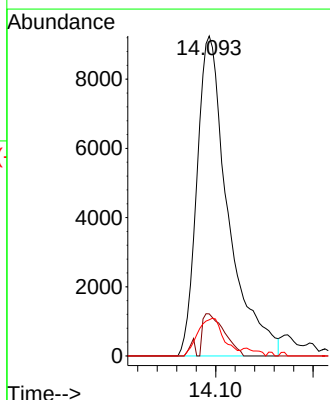
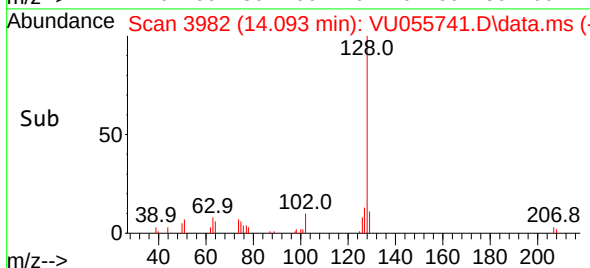
Reviewed By :John Carlone 10/12/2023
Supervised By :Mahesh Dadoda 10/12/2023

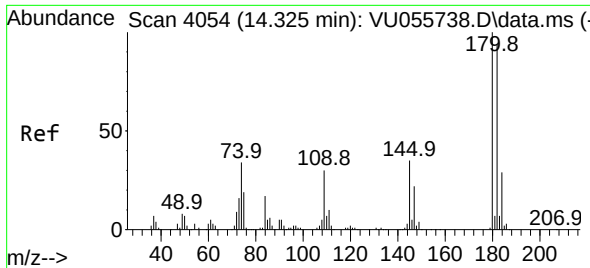


#71
Naphthalene
Concen: 1.876 ug/L
RT: 14.093 min Scan# 3982
Delta R.T. 0.009 min
Lab File: VU055741.D
Acq: 11 Oct 2023 12:09



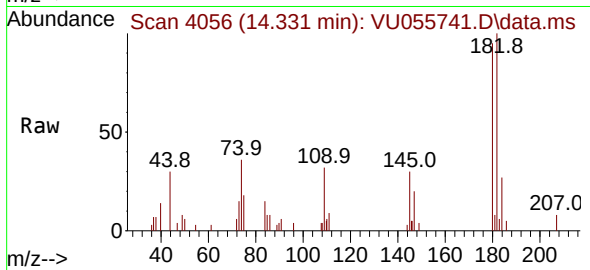
Tgt Ion:128 Resp: 20504
Ion Ratio Lower Upper
128 100
127 9.1 10.6 16.0#
129 9.6 8.7 13.1





#72
 1,2,3-Trichlorobenzene
 Concen: 1.681 ug/L
 RT: 14.331 min Scan# 4056
 Delta R.T. 0.006 min
 Lab File: VU055741.D
 Acq: 11 Oct 2023 12:09

Instrument : MSVOA_U
 ClientSampleId :
 MDL-WATER-QT4-2023-08



Tgt Ion:	180	Resp:	609
Ion Ratio	Lower	Upper	
180	100		
182	111.2	78.1	117.1
145	34.0	27.4	41.0

Manual Integrations
 APPROVED

Reviewed By :John Carlone 10/12/2023
 Supervised By :Mahesh Dadoda 10/12/2023

