

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU071223\
 Data File : VU054780.D
 Acq On : 12 Jul 2023 10:43
 Operator : MD/SY
 Sample : 03573-01
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-QT3-2023-05

Quant Time: Jul 13 05:29:12 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR070723WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Jul 13 05:24:51 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 07/13/2023
 Supervised By : Mahesh Dadoda 07/13/2023

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

Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	251363	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	243906	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.810	152	114803	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	83835	4.419	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	88.400%
7) Chloroethane-d5	1.911	69	73317	4.620	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	92.400%
11) 1,1-Dichloroethene-d2	2.563	65	35028	4.521	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	90.400%
20) 2-Butanone-d5	4.627	46	211794	49.134	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	98.260%
24) Chloroform-d	5.061	84	156104	4.619	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.400%
26) 1,2-Dichloroethane-d4	5.698	65	88184	4.991	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.800%
32) Benzene-d6	5.724	84	301377	4.655	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.000%
36) 1,2-Dichloropropane-d6	6.685	67	100549	4.897	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	98.000%
41) Toluene-d8	7.894	98	269811	4.471	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.400%
43) trans-1,3-Dichloroprop...	8.177	79	37910	4.588	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	91.800%
46) 2-Hexanone-d5	8.630	63	155569	49.141	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	98.280%
56) 1,1,2,2-Tetrachloroeth...	10.753	84	79103	4.781	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	95.600%
66) 1,2-Dichlorobenzene-d4	12.190	152	104204	5.210	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	104.200%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.383	85	4024	0.206	ug/L	92
3) Chloromethane	1.518	50	6679	0.306	ug/L	99
5) Vinyl chloride	1.602	62	5553	0.262	ug/L #	73
6) Bromomethane	1.856	94	3512	0.273	ug/L	99
8) Chloroethane	1.930	64	3270	0.270	ug/L	94
9) Trichlorofluoromethane	2.136	101	6228	0.226	ug/L	94
10) 1,1,2-Trichloro-1,2,2-...	2.573	101	3824	0.277	ug/L	93
12) 1,1-Dichloroethene	2.579	96	4363	0.339	ug/L #	1
14) Carbon disulfide	2.788	76	11730	0.271	ug/L	95
15) Methyl Acetate	2.962	43	1596	0.287	ug/L #	61
17) Methyl tert-butyl Ether	3.364	73	8102	0.267	ug/L #	83
18) trans-1,2-Dichloroethene	3.348	96	3178	0.240	ug/L	93
19) 1,1-Dichloroethane	3.862	63	6448	0.251	ug/L	94
21) 2-Butanone	4.721	43	14756m	4.350	ug/L	
22) cis-1,2-Dichloroethene	4.660	96	3666	0.254	ug/L	89
23) Bromochloromethane	4.981	128	1743m	0.272	ug/L	
27) 1,2-Dichloroethane	5.798	62	4826	0.278	ug/L	98
29) 1,1,1-Trichloroethane	5.312	97	5504	0.234	ug/L	98
30) Cyclohexane	5.383	56	4625	0.221	ug/L	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
31) Carbon tetrachloride	5.521	117	4976	0.236	ug/L	100
33) Benzene	5.769	78	13847	0.252	ug/L	100
35) Methylcyclohexane	6.753	83	5257	0.245	ug/L #	69
37) 1,2-Dichloropropane	6.788	63	4290	0.298	ug/L #	91
38) Bromodichloromethane	7.110	83	4736	0.256	ug/L #	77
39) cis-1,3-Dichloropropene	7.608	75	5398	0.250	ug/L	98
40) 4-Methyl-2-pentanone	7.791	43	17624	2.182	ug/L #	86
42) Toluene	7.968	91	15533	0.267	ug/L	98
44) trans-1,3-Dichloropropene	8.206	75	4475	0.240	ug/L	98
45) 1,1,2-Trichloroethane	8.405	97	2553	0.247	ug/L #	86
47) Tetrachloroethene	8.557	164	3035	0.244	ug/L	88
48) 2-Hexanone	8.682	43	21796	3.748	ug/L	97
49) Dibromochloromethane	8.811	129	2616	0.218	ug/L #	72
50) 1,2-Dibromoethane	8.923	107	2483	0.252	ug/L #	79
51) Chlorobenzene	9.447	112	9519	0.255	ug/L	99
52) Ethylbenzene	9.569	91	15391	0.247	ug/L	96
53) m,p-Xylene	9.695	106	4999	0.210	ug/L	94
54) o-Xylene	10.100	106	5054	0.227	ug/L	86
55) Styrene	10.116	104	7897	0.210	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.782	83	3019	0.240	ug/L #	79
59) Bromoform	10.293	173	1951	0.290	ug/L #	93
60) Isopropylbenzene	10.483	105	12953	0.243	ug/L	100
61) 1,2,3-Trichloropropane	10.820	75	2249	0.269	ug/L #	93
62) 1,3,5-Trimethylbenzene	11.087	105	10410	0.236	ug/L	95
63) 1,2,4-Trimethylbenzene	11.466	105	9752	0.231	ug/L	100
64) 1,3-Dichlorobenzene	11.746	146	7687	0.287	ug/L	95
65) 1,4-Dichlorobenzene	11.836	146	7560	0.283	ug/L	93
67) 1,2-Dichlorobenzene	12.209	146	7491	0.304	ug/L	95
69) 1,3,5-Trichlorobenzene	13.219	180	5456	0.272	ug/L	91
70) 1,2,4-trichlorobenzene	13.842	180	4709	0.292	ug/L	100

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

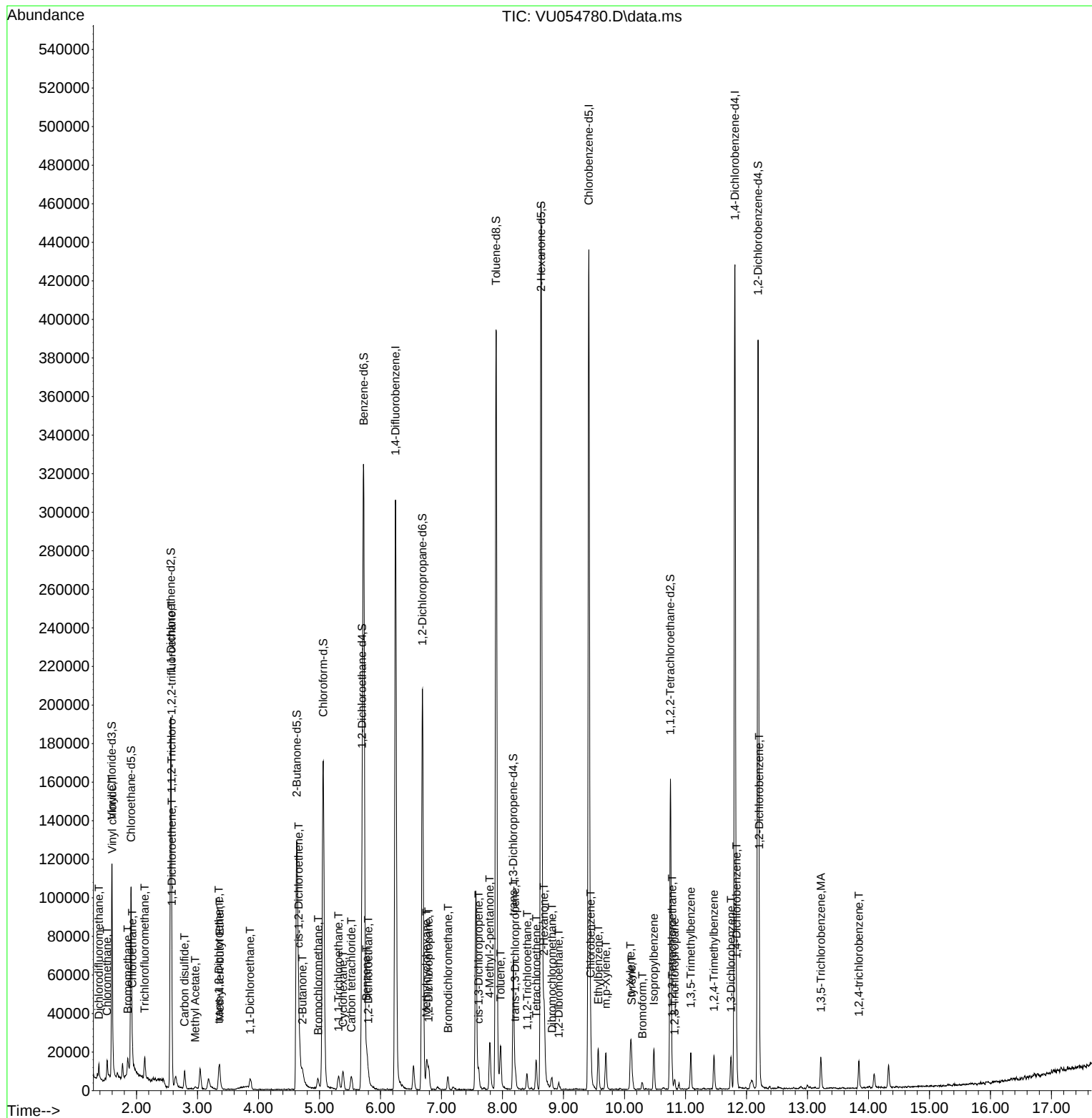
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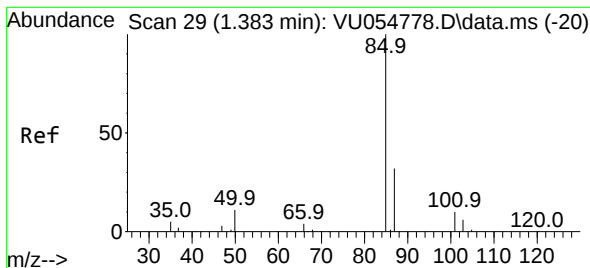
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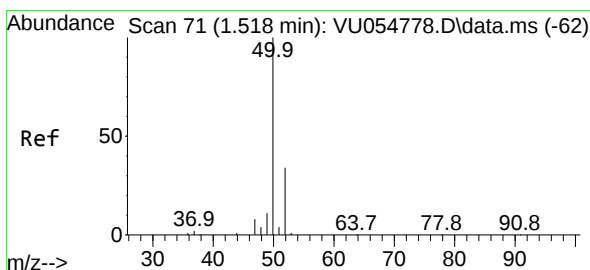
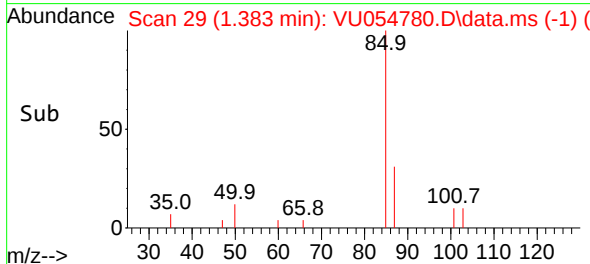
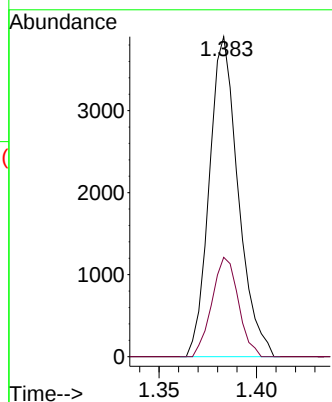
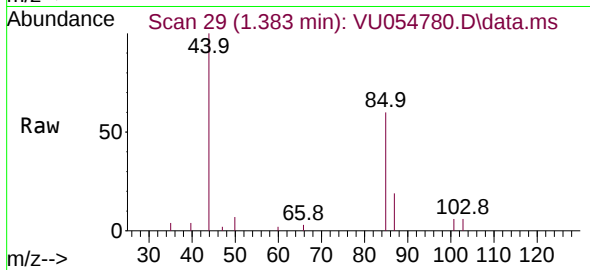
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Dichlorodifluoromethane
Concen: 0.206 ug/L
RT: 1.383 min Scan# 29
Delta R.T. -0.000 min
Lab File: VU054780.D
Acq: 12 Jul 2023 10:43

Instrument : MSVOA_U
ClientSampleId :
MDL-WATER-QT3-2023-05

Tgt Ion: 85 Resp: 4024
Ion Ratio Lower Upper
85 100
87 28.4 26.2 39.2

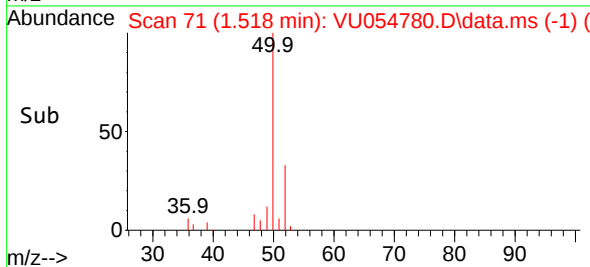
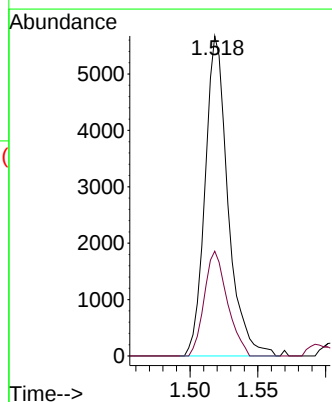
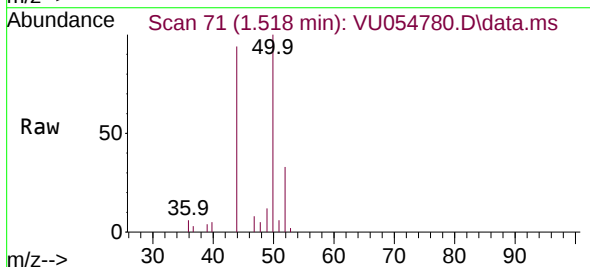
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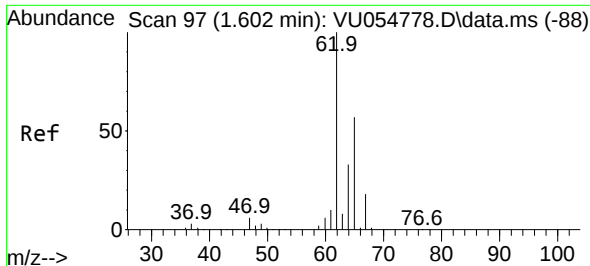
Reviewed By :John Carlone 07/13/2023
Supervised By :Mahesh Dadoda 07/13/2023



#3
Chloromethane
Concen: 0.306 ug/L
RT: 1.518 min Scan# 71
Delta R.T. -0.000 min
Lab File: VU054780.D
Acq: 12 Jul 2023 10:43

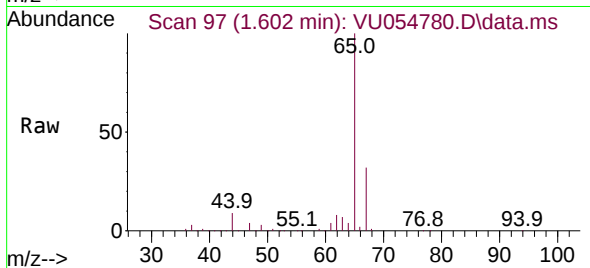
Tgt Ion: 50 Resp: 6679
Ion Ratio Lower Upper
50 100
52 32.7 23.4 43.6





#5
 Vinyl chloride
 Concen: 0.262 ug/L
 RT: 1.602 min Scan# 91
 Delta R.T. -0.000 min
 Lab File: VU054780.D
 Acq: 12 Jul 2023 10:43

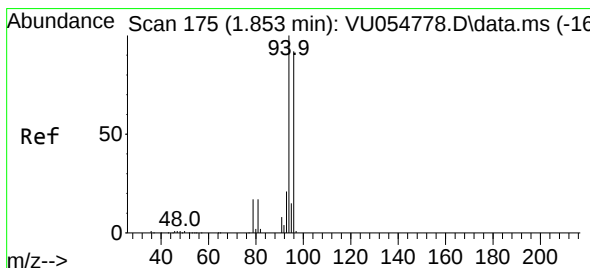
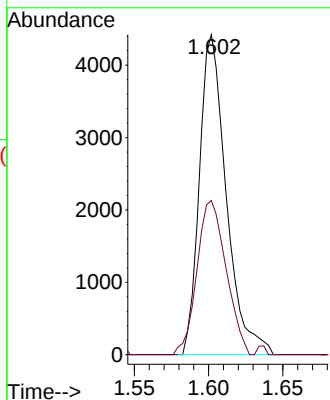
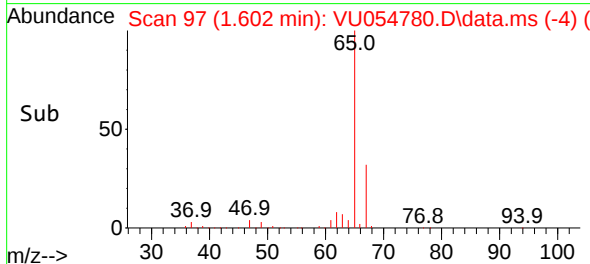
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-QT3-2023-05



Tgt Ion: 62 Resp: 555
 Ion Ratio Lower Upper
 62 100
 64 48.2 23.2 43.0

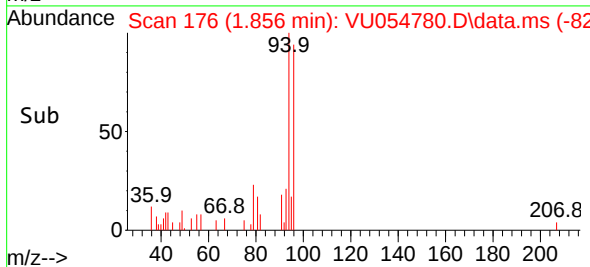
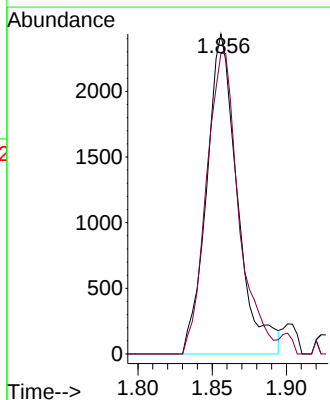
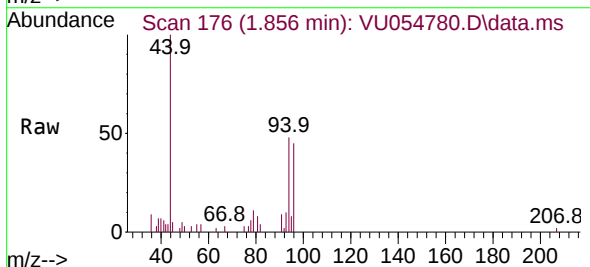
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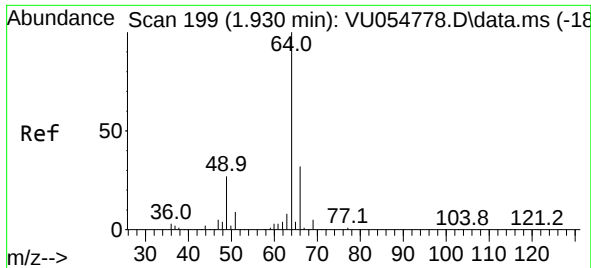
Reviewed By :John Carlone 07/13/2023
 Supervised By :Mahesh Dadoda 07/13/2023



#6
 Bromomethane
 Concen: 0.273 ug/L
 RT: 1.856 min Scan# 176
 Delta R.T. 0.003 min
 Lab File: VU054780.D
 Acq: 12 Jul 2023 10:43

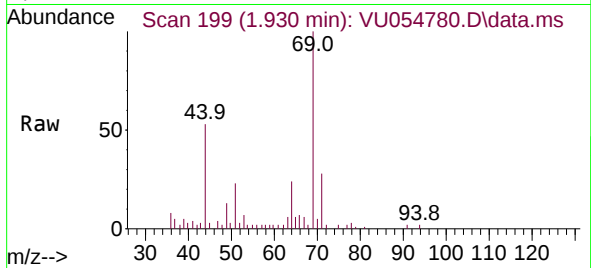
Tgt Ion: 94 Resp: 3512
 Ion Ratio Lower Upper
 94 100
 96 93.9 65.0 120.6





#8
Chloroethane
Concen: 0.270 ug/L
RT: 1.930 min Scan# 199
Delta R.T. -0.000 min
Lab File: VU054780.D
Acq: 12 Jul 2023 10:43

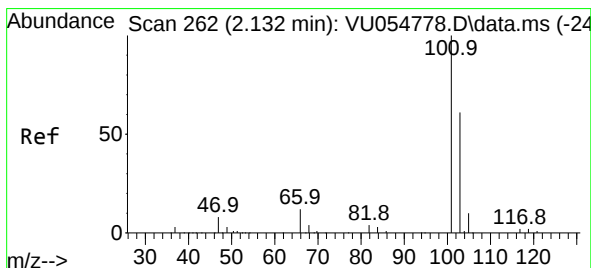
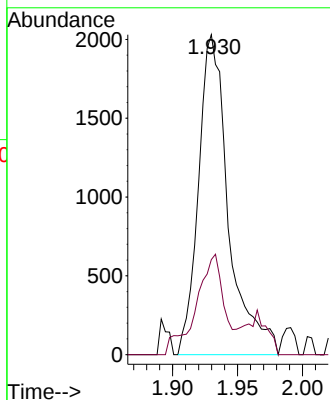
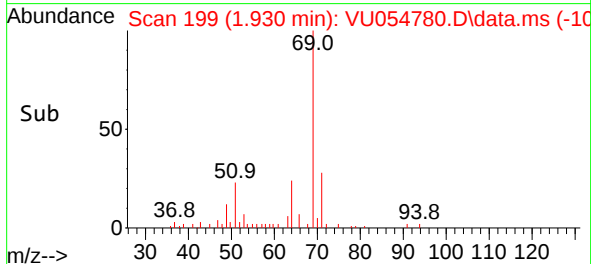
Instrument : MSVOA_U
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MDL-WATER-QT3-2023-05



Tgt Ion: 64 Resp: 3270
Ion Ratio Lower Upper
64 100
66 29.7 23.0 42.8

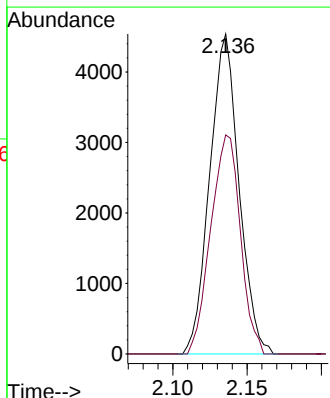
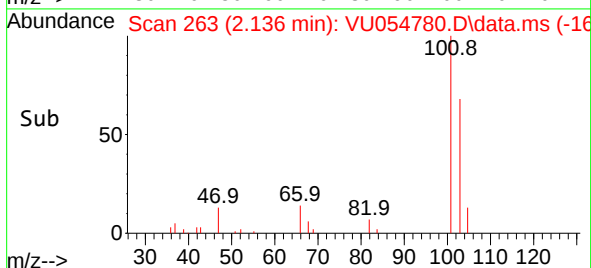
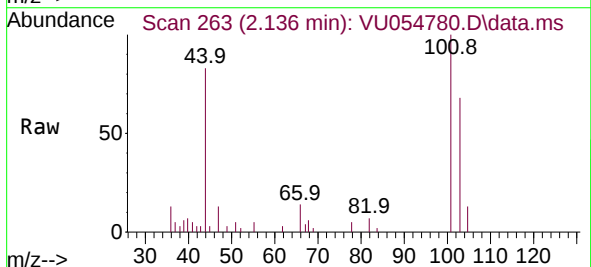
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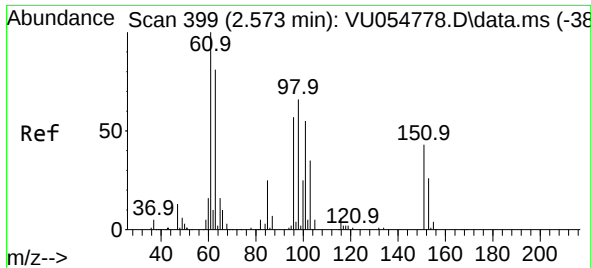
Reviewed By :John Carlone 07/13/2023
Supervised By :Mahesh Dadoda 07/13/2023



#9
Trichlorofluoromethane
Concen: 0.226 ug/L
RT: 2.136 min Scan# 263
Delta R.T. 0.003 min
Lab File: VU054780.D
Acq: 12 Jul 2023 10:43

Tgt Ion:101 Resp: 6228
Ion Ratio Lower Upper
101 100
103 69.2 51.8 77.8





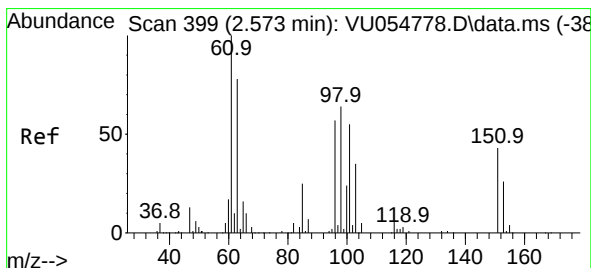
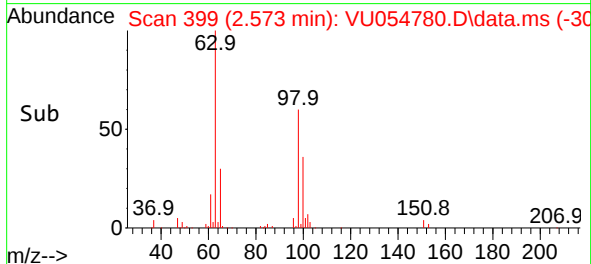
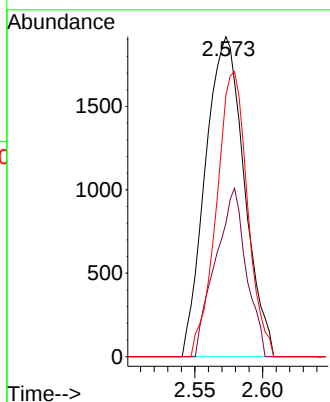
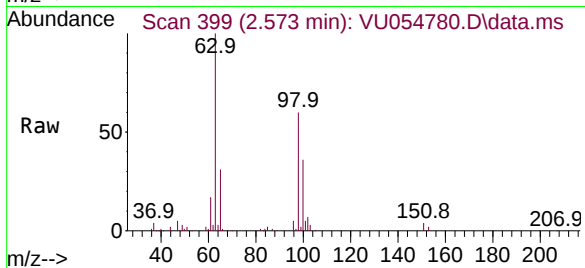
#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.277 ug/L
RT: 2.573 min Scan# 399
Delta R.T. -0.000 min
Lab File: VU054780.D
Acq: 12 Jul 2023 10:43

Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT3-2023-05

Tgt Ion:101 Resp: 3824
Ion Ratio Lower Upper
101 100
85 41.6 34.5 51.7
151 71.3 63.5 95.3

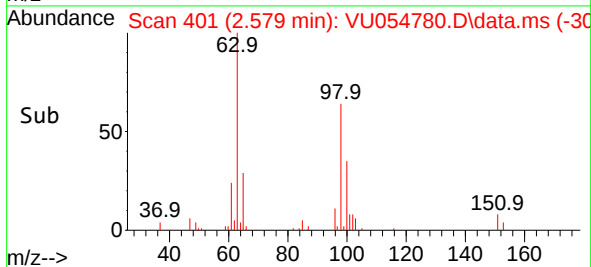
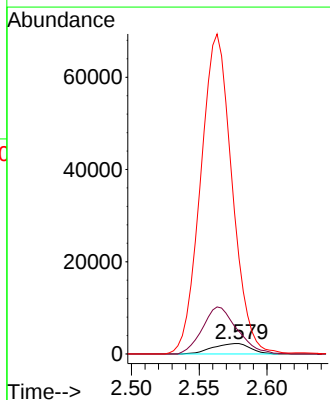
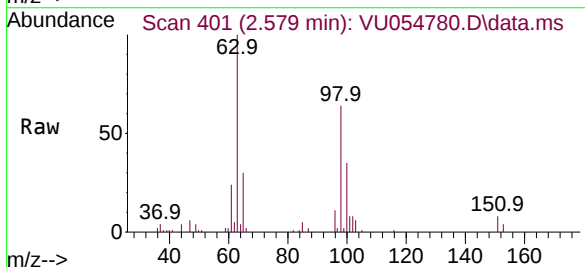
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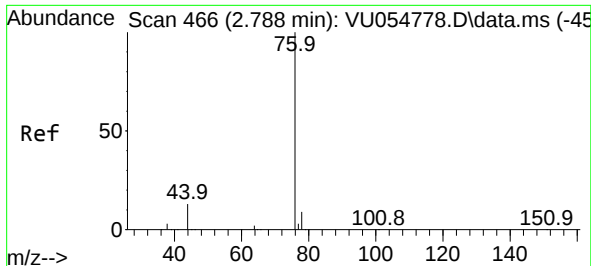
Reviewed By :John Carlone 07/13/2023
Supervised By :Mahesh Dadoda 07/13/2023



#12
1,1-Dichloroethene
Concen: 0.339 ug/L
RT: 2.579 min Scan# 401
Delta R.T. 0.006 min
Lab File: VU054780.D
Acq: 12 Jul 2023 10:43

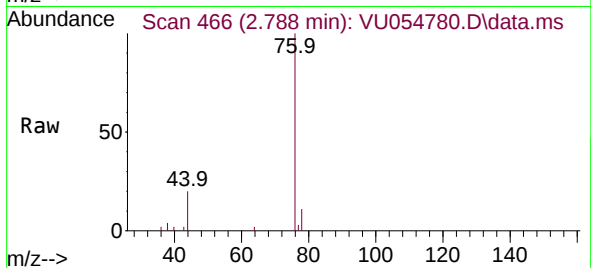
Tgt Ion: 96 Resp: 4363
Ion Ratio Lower Upper
96 100
61 182.1 131.8 244.8
63 772.6 109.8 204.0#





#14
Carbon disulfide
Concen: 0.271 ug/L
RT: 2.788 min Scan# 466
Delta R.T. -0.000 min
Lab File: VU054780.D
Acq: 12 Jul 2023 10:43

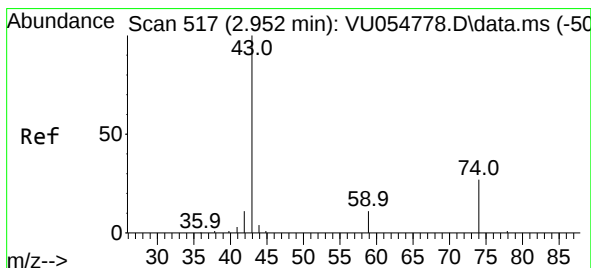
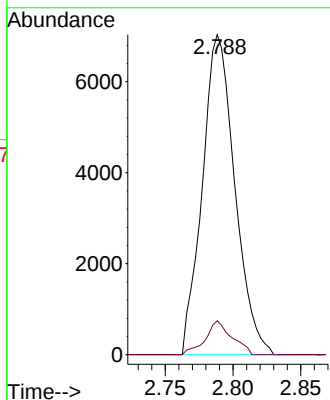
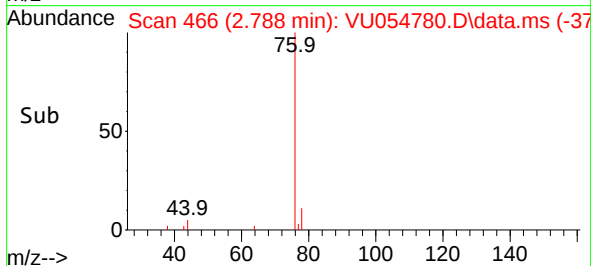
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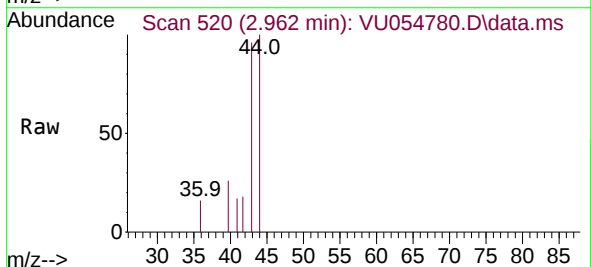
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Ion Ratio Lower Upper
76 100
78 10.6 7.1 10.7

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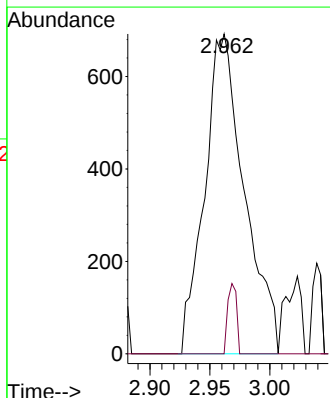
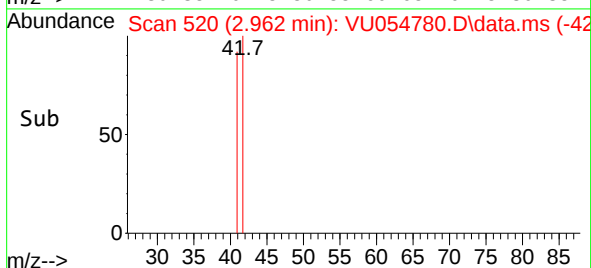
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Supervised By :Mahesh Dadoda 07/13/2023

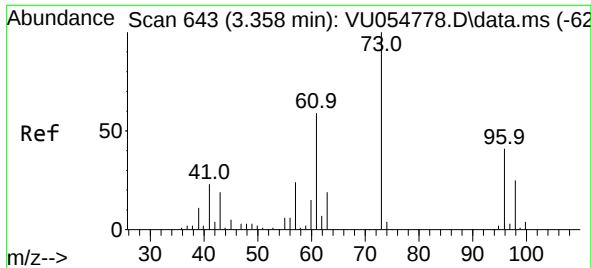


#15
Methyl Acetate
Concen: 0.287 ug/L
RT: 2.962 min Scan# 520
Delta R.T. 0.009 min
Lab File: VU054780.D
Acq: 12 Jul 2023 10:43



Tgt Ion: 43 Resp: 1596
Ion Ratio Lower Upper
43 100
74 4.9 19.2 28.8#





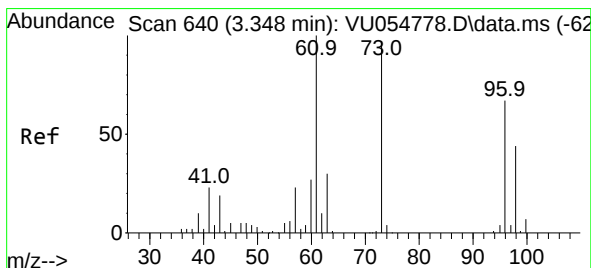
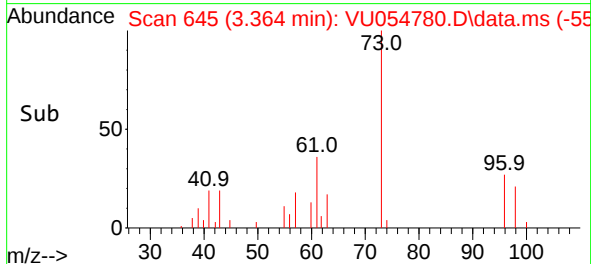
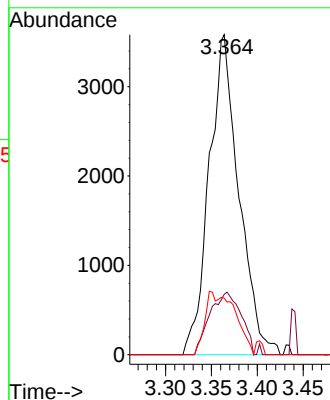
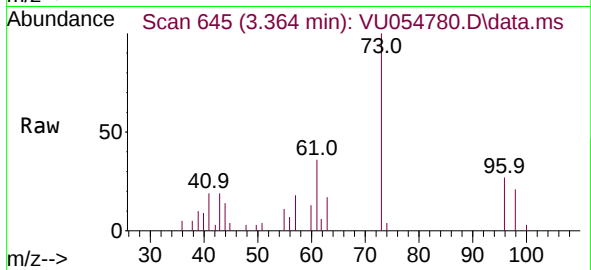
#17
Methyl tert-butyl Ether
Concen: 0.267 ug/L
RT: 3.364 min Scan# 643
Delta R.T. 0.006 min
Lab File: VU054780.D
Acq: 12 Jul 2023 10:43

Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT3-2023-05

Tgt Ion: 73 Resp: 810
Ion Ratio Lower Upper
73 100
43 20.6 16.9 25.3
57 8.8 18.9 28.3

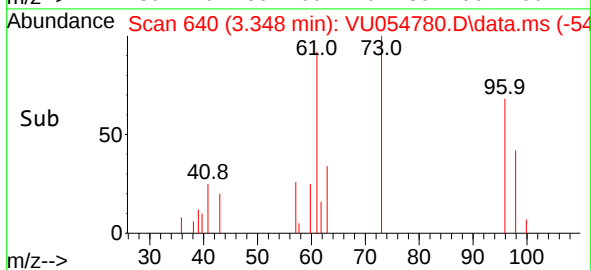
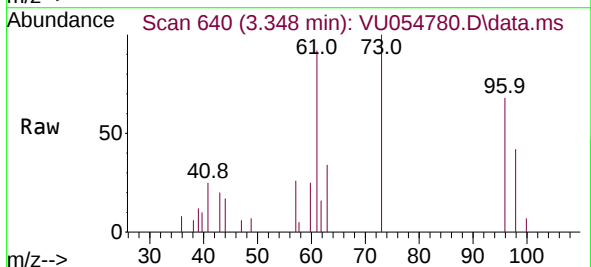
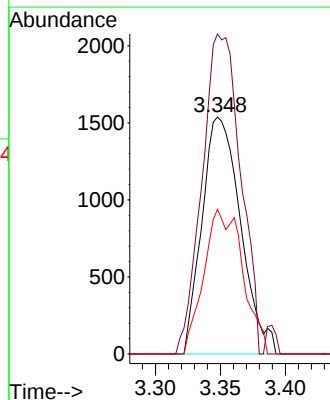
Manual Integrations
APPROVED

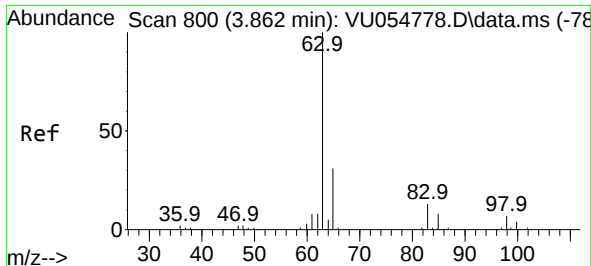
Reviewed By :John Carlone 07/13/2023
Supervised By :Mahesh Dadoda 07/13/2023



#18
trans-1,2-Dichloroethene
Concen: 0.240 ug/L
RT: 3.348 min Scan# 640
Delta R.T. -0.000 min
Lab File: VU054780.D
Acq: 12 Jul 2023 10:43

Tgt Ion: 96 Resp: 3178
Ion Ratio Lower Upper
96 100
61 135.0 101.6 188.6
98 61.1 45.6 84.6





#19

1,1-Dichloroethane

Concen: 0.251 ug/L

RT: 3.862 min Scan# 800

Delta R.T. -0.000 min

Lab File: VU054780.D

Acq: 12 Jul 2023 10:43

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-QT3-2023-05

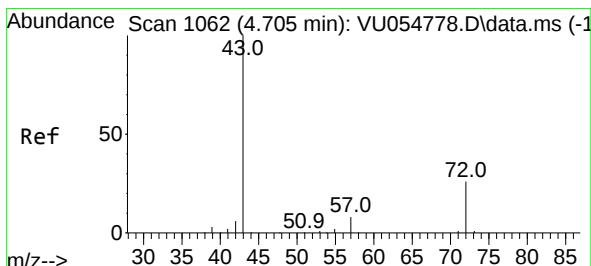
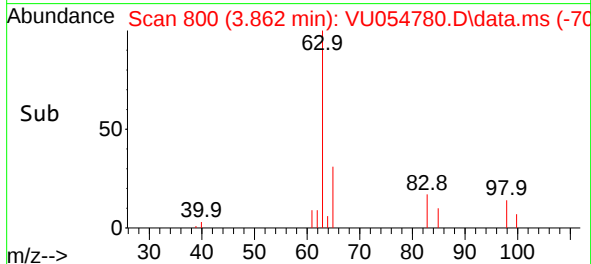
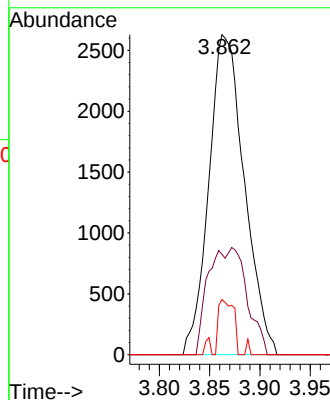
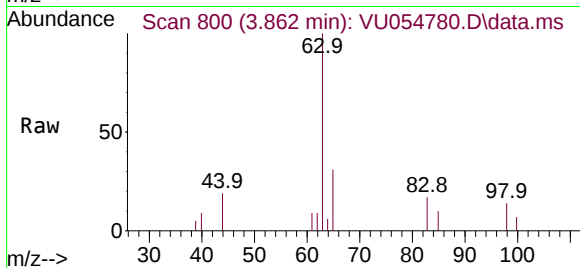
Tgt Ion: 63	Resp: 6448
Ion Ratio	Lower Upper
63 100	
65 31.3	24.2 45.0
83 17.2	10.4 19.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/13/2023

Supervised By :Mahesh Dadoda 07/13/2023



#21

2-Butanone

Concen: 4.350 ug/L m

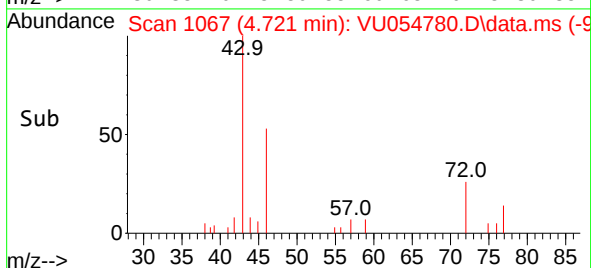
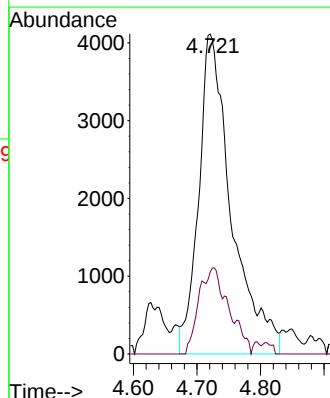
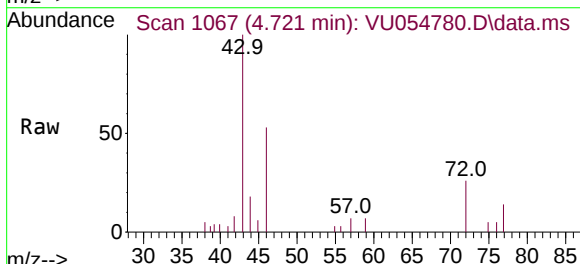
RT: 4.721 min Scan# 1067

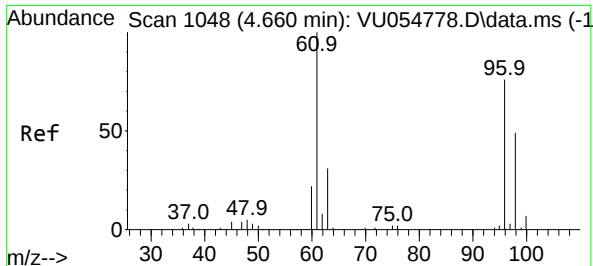
Delta R.T. 0.016 min

Lab File: VU054780.D

Acq: 12 Jul 2023 10:43

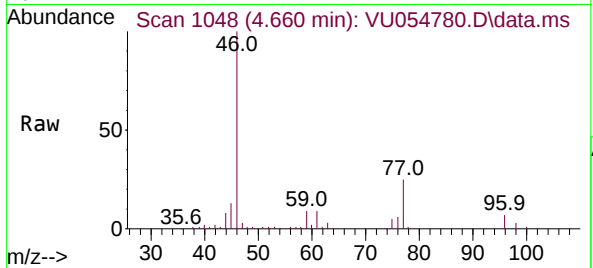
Tgt Ion: 43	Resp: 14756
Ion Ratio	Lower Upper
43 100	
72 22.0	14.4 43.4





#22
 cis-1,2-Dichloroethene
 Concen: 0.254 ug/L
 RT: 4.660 min Scan# 1048
 Delta R.T. -0.000 min
 Lab File: VU054780.D
 Acq: 12 Jul 2023 10:43

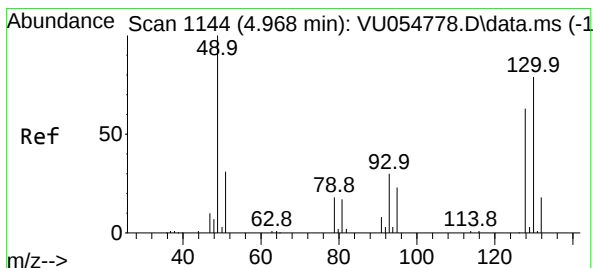
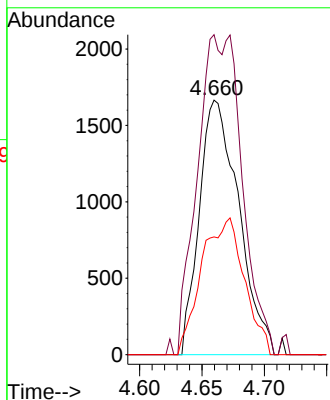
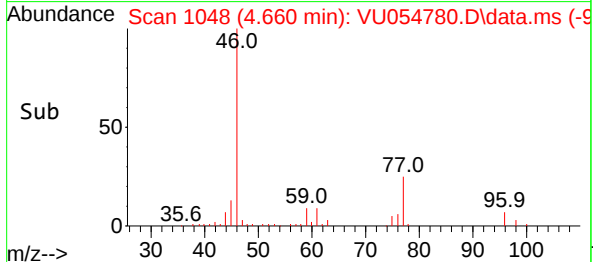
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-QT3-2023-05



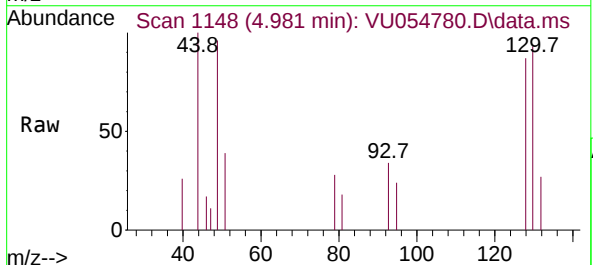
Tgt Ion: 96 Resp: 3660
 Ion Ratio Lower Upper
 96 100
 61 125.7 93.0 172.8
 98 46.2 44.0 81.8

Manual Integrations
 APPROVED

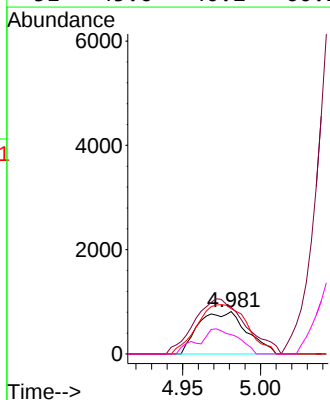
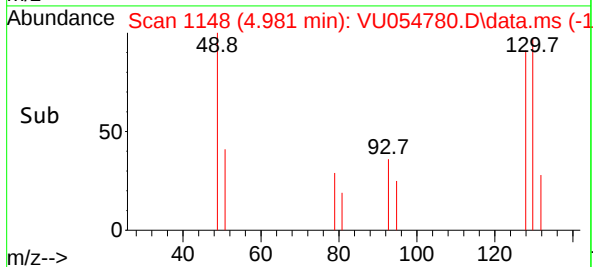
Reviewed By :John Carlone 07/13/2023
 Supervised By :Mahesh Dadoda 07/13/2023

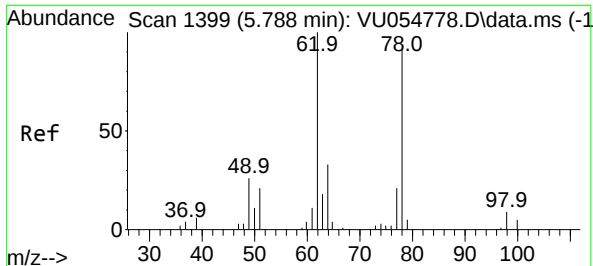


#23
 Bromochloromethane
 Concen: 0.272 ug/L m
 RT: 4.981 min Scan# 1148
 Delta R.T. 0.013 min
 Lab File: VU054780.D
 Acq: 12 Jul 2023 10:43



Tgt Ion:128 Resp: 1743
 Ion Ratio Lower Upper
 128 100
 49 110.5 113.5 210.7#
 130 107.0 98.0 182.0
 51 45.6 40.2 60.2





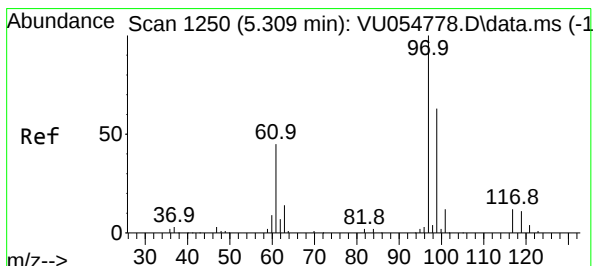
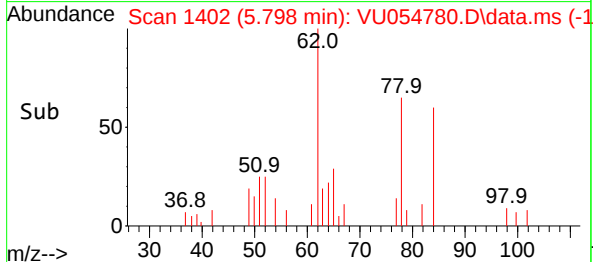
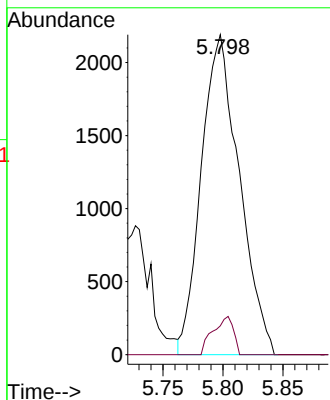
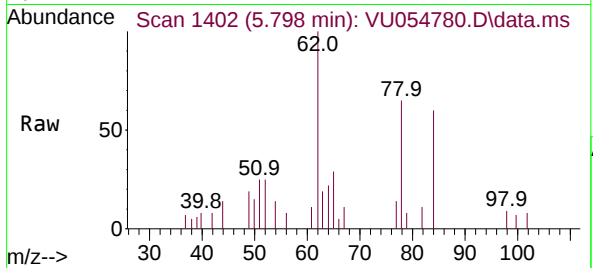
#27
 1,2-Dichloroethane
 Concen: 0.278 ug/L
 RT: 5.798 min Scan# 1402
 Delta R.T. 0.009 min
 Lab File: VU054780.D
 Acq: 12 Jul 2023 10:43

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-QT3-2023-05

Tgt Ion: 62 Resp: 4820
 Ion Ratio Lower Upper
 62 100
 98 9.0 7.7 11.5

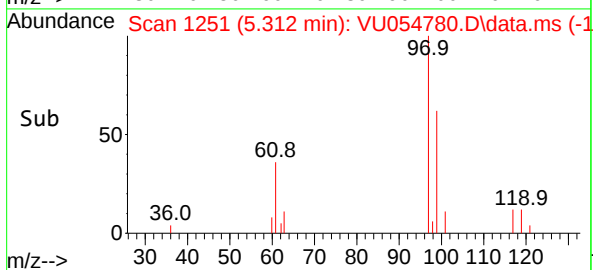
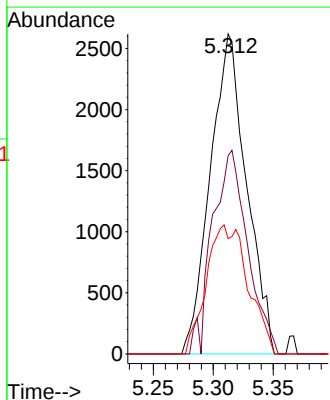
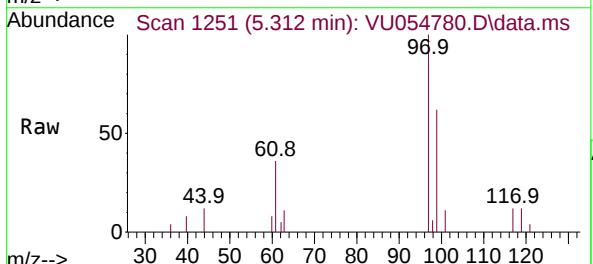
Manual Integrations
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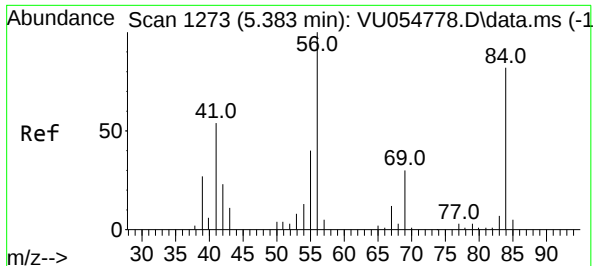
Reviewed By :John Carlone 07/13/2023
 Supervised By :Mahesh Dadoda 07/13/2023



#29
 1,1,1-Trichloroethane
 Concen: 0.234 ug/L
 RT: 5.312 min Scan# 1251
 Delta R.T. 0.003 min
 Lab File: VU054780.D
 Acq: 12 Jul 2023 10:43

Tgt Ion: 97 Resp: 5504
 Ion Ratio Lower Upper
 97 100
 99 61.9 51.7 77.5
 61 46.3 37.0 55.4





#30

Cyclohexane

Concen: 0.221 ug/L

RT: 5.383 min Scan# 1273

Delta R.T. -0.000 min

Lab File: VU054780.D

Acq: 12 Jul 2023 10:43

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-QT3-2023-05

Tgt Ion: 56 Resp: 462

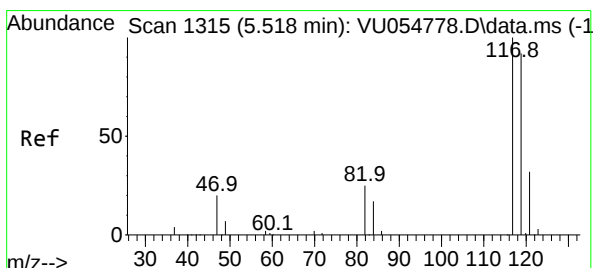
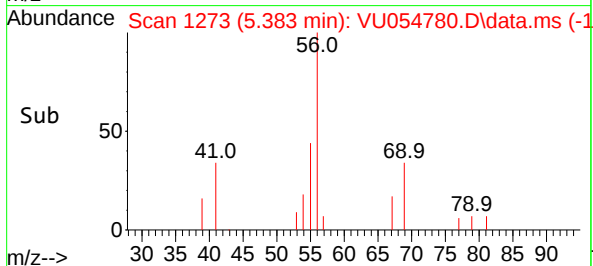
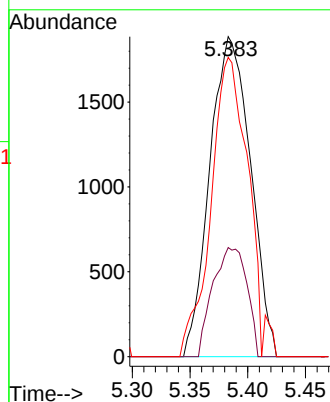
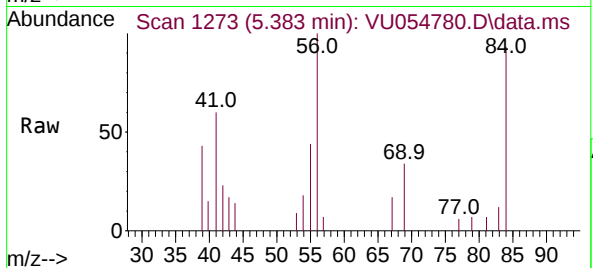
Ion	Ratio	Lower	Upper
56	100		
69	28.4	25.0	37.4
84	85.5	66.7	100.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/13/2023

Supervised By :Mahesh Dadoda 07/13/2023



#31

Carbon tetrachloride

Concen: 0.236 ug/L

RT: 5.521 min Scan# 1316

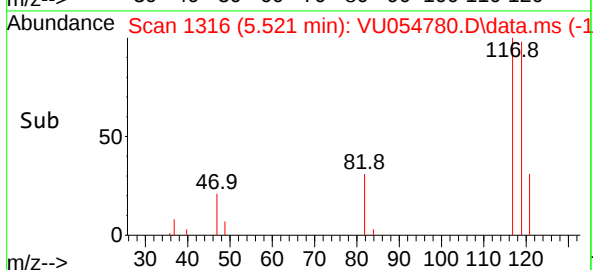
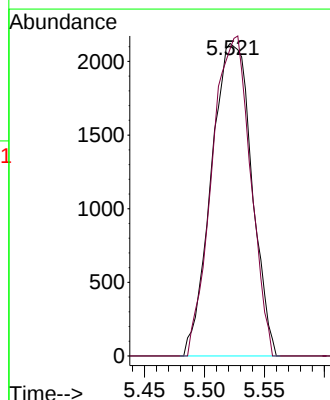
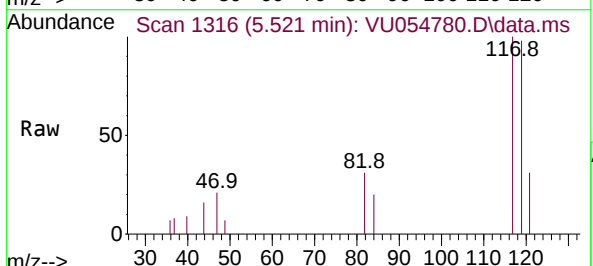
Delta R.T. 0.003 min

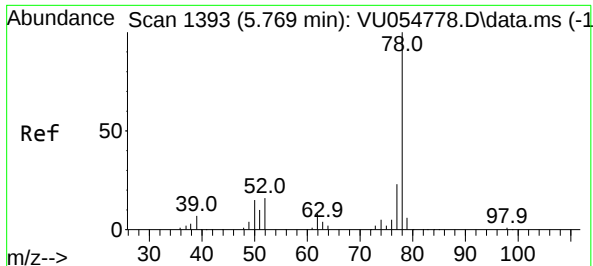
Lab File: VU054780.D

Acq: 12 Jul 2023 10:43

Tgt Ion: 117 Resp: 4976

Ion	Ratio	Lower	Upper
117	100		
119	97.1	77.5	116.3





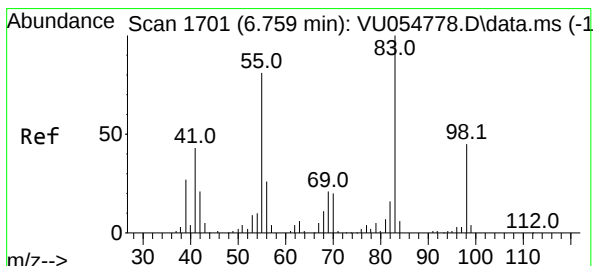
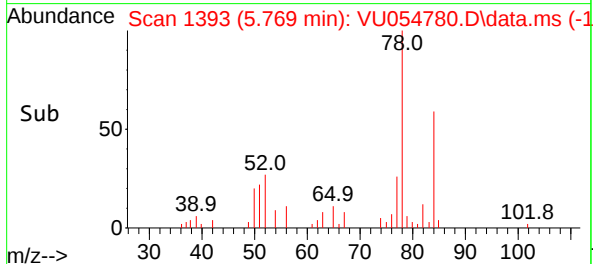
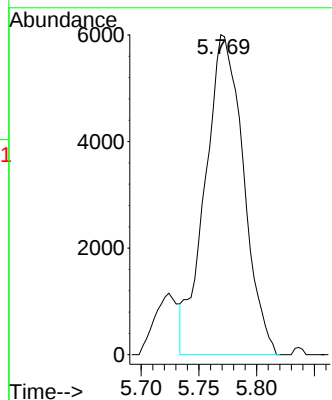
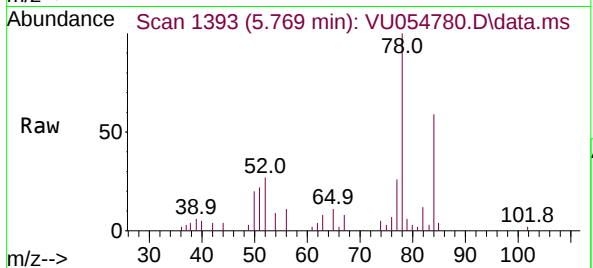
#33
Benzene
Concen: 0.252 ug/L
RT: 5.769 min Scan# 11
Delta R.T. -0.000 min
Lab File: VU054780.D
Acq: 12 Jul 2023 10:43

Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT3-2023-05

Tgt Ion: 78 Resp: 1384

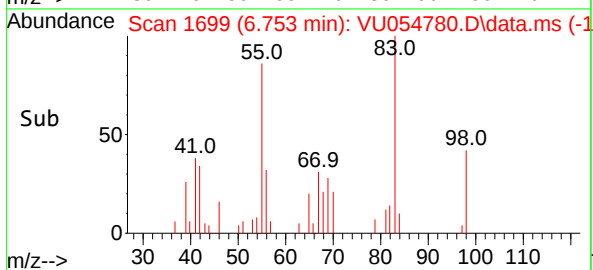
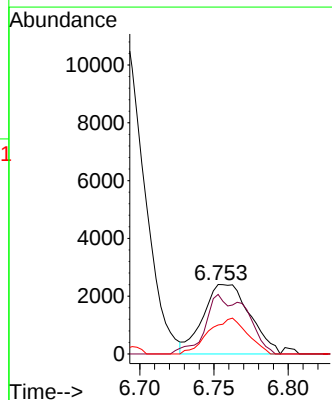
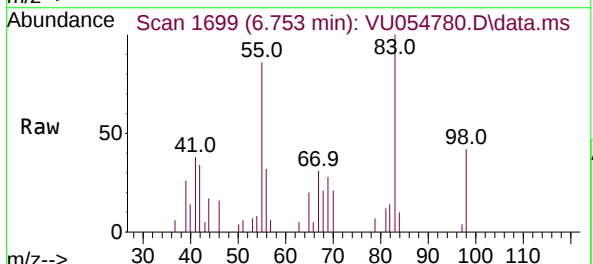
Manual Integrations
APPROVED

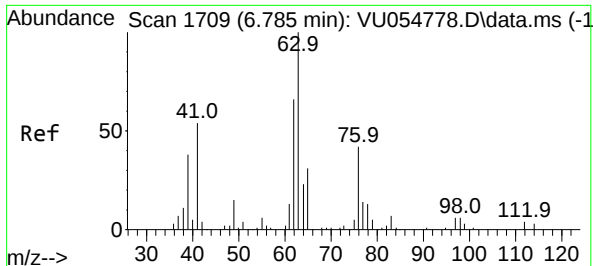
Reviewed By :John Carlone 07/13/2023
Supervised By :Mahesh Dadoda 07/13/2023



#35
Methylcyclohexane
Concen: 0.245 ug/L
RT: 6.753 min Scan# 1699
Delta R.T. -0.007 min
Lab File: VU054780.D
Acq: 12 Jul 2023 10:43

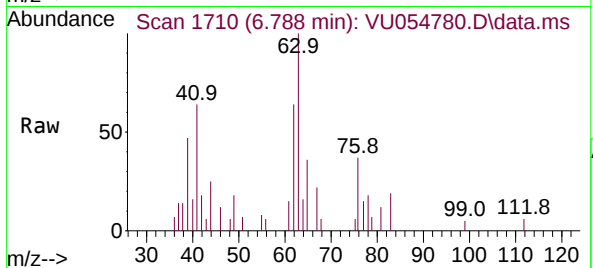
Tgt Ion: 83 Resp: 5257
Ion Ratio Lower Upper
83 100
55 40.8 65.8 98.6#
98 42.9 36.6 54.8





#37
1,2-Dichloropropane
Concen: 0.298 ug/L
RT: 6.788 min Scan# 1709
Delta R.T. 0.003 min
Lab File: VU054780.D
Acq: 12 Jul 2023 10:43

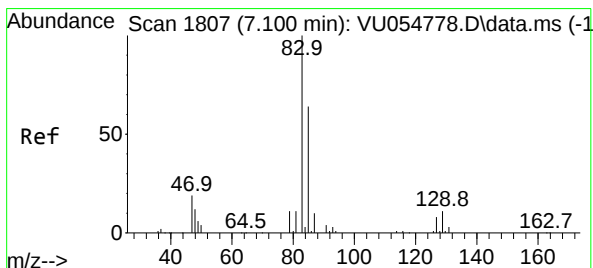
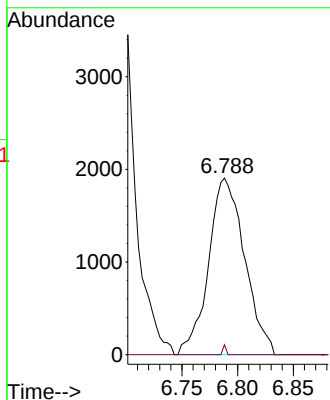
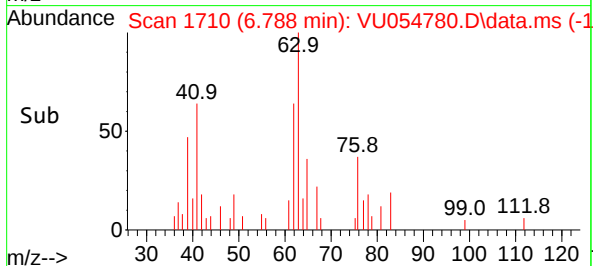
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT3-2023-05



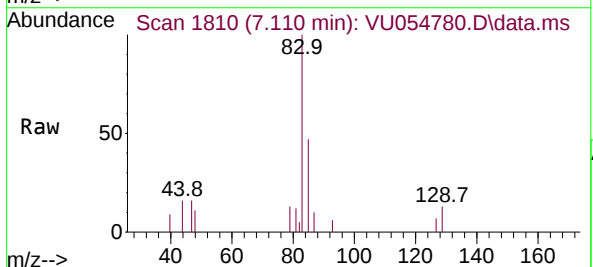
Tgt Ion: 63 Resp: 4290
Ion Ratio Lower Upper
63 100
112 0.5 2.6 4.0

Manual Integrations
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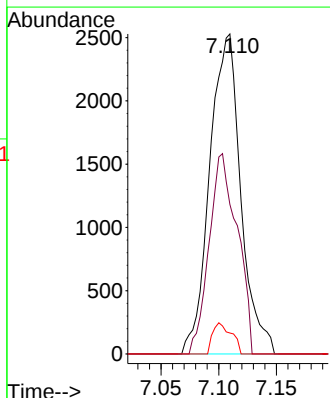
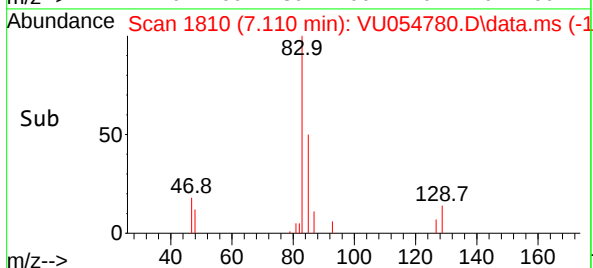
Reviewed By :John Carlone 07/13/2023
Supervised By :Mahesh Dadoda 07/13/2023

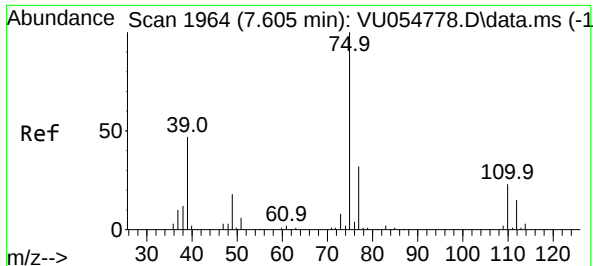


#38
Bromodichloromethane
Concen: 0.256 ug/L
RT: 7.110 min Scan# 1810
Delta R.T. 0.010 min
Lab File: VU054780.D
Acq: 12 Jul 2023 10:43



Tgt Ion: 83 Resp: 4736
Ion Ratio Lower Upper
83 100
85 46.7 46.7 86.7
127 6.5 6.8 10.2





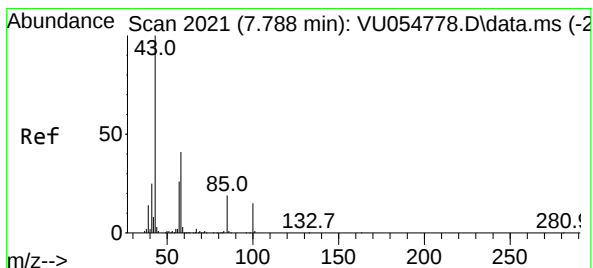
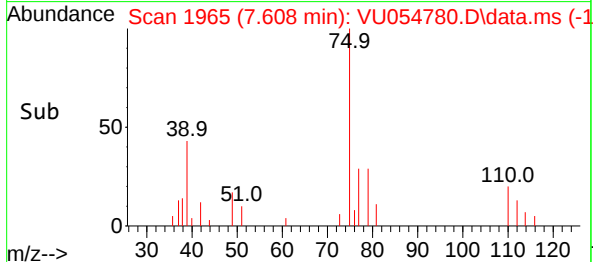
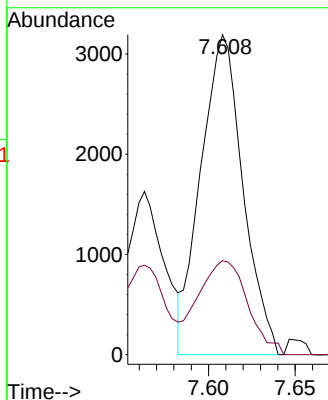
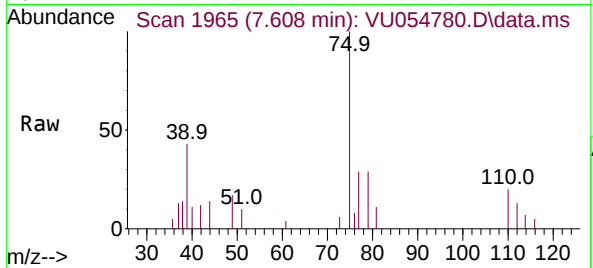
#39
cis-1,3-Dichloropropene
Concen: 0.250 ug/L
RT: 7.608 min Scan# 1965
Delta R.T. 0.003 min
Lab File: VU054780.D
Acq: 12 Jul 2023 10:43

Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT3-2023-05

Tgt Ion: 75 Resp: 5398
Ion Ratio Lower Upper
75 100
77 29.4 21.3 39.6

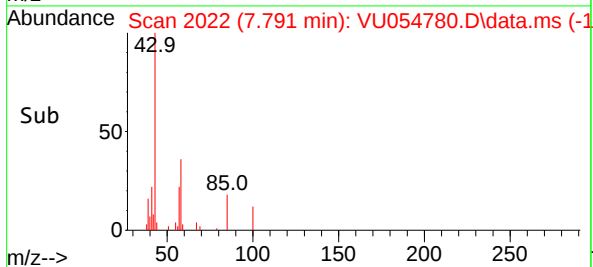
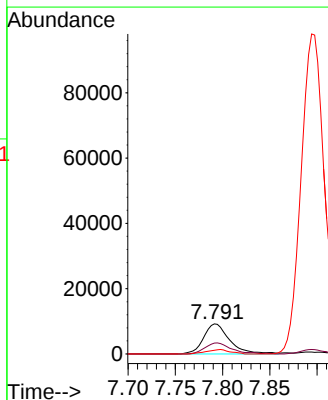
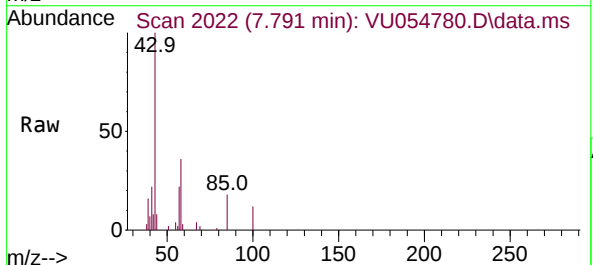
Manual Integrations
APPROVED

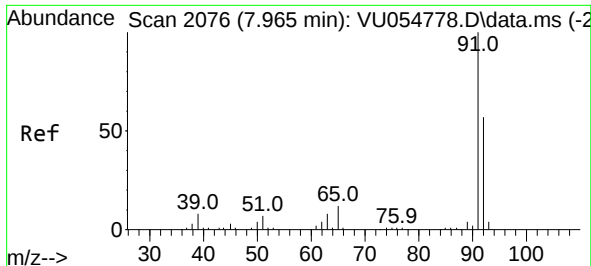
Reviewed By :John Carlone 07/13/2023
Supervised By :Mahesh Dadoda 07/13/2023



#40
4-Methyl-2-pentanone
Concen: 2.182 ug/L
RT: 7.791 min Scan# 2022
Delta R.T. 0.003 min
Lab File: VU054780.D
Acq: 12 Jul 2023 10:43

Tgt Ion: 43 Resp: 17624
Ion Ratio Lower Upper
43 100
58 37.3 32.6 48.8
100 0.0 12.5 18.7#





#42

Toluene

Concen: 0.267 ug/L

RT: 7.968 min Scan# 2076

Delta R.T. 0.003 min

Lab File: VU054780.D

Acq: 12 Jul 2023 10:43

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-QT3-2023-05

Tgt Ion: 91 Resp: 1553

Ion Ratio Lower Upper

91 100

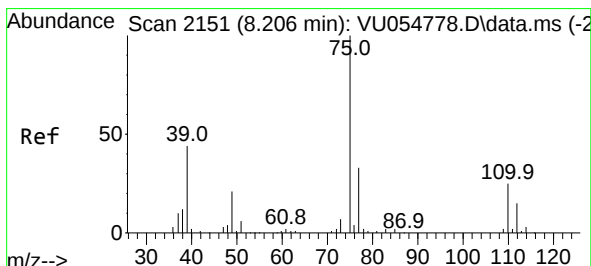
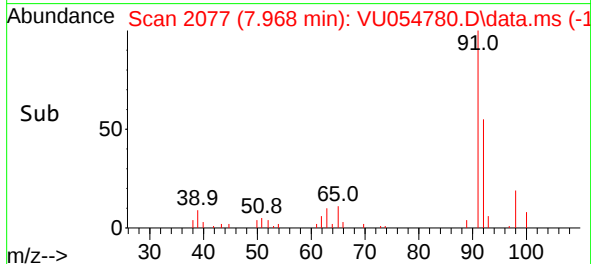
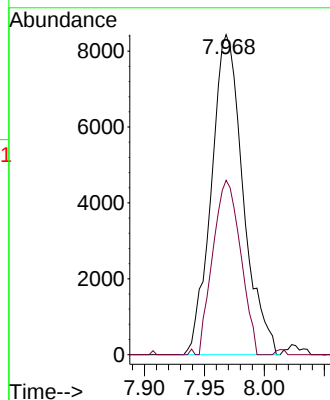
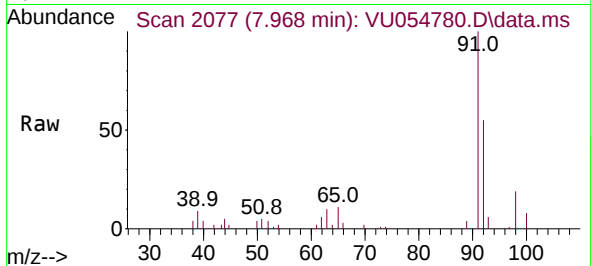
92 54.5 39.1 72.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/13/2023

Supervised By :Mahesh Dadoda 07/13/2023



#44

trans-1,3-Dichloropropene

Concen: 0.240 ug/L

RT: 8.206 min Scan# 2151

Delta R.T. -0.000 min

Lab File: VU054780.D

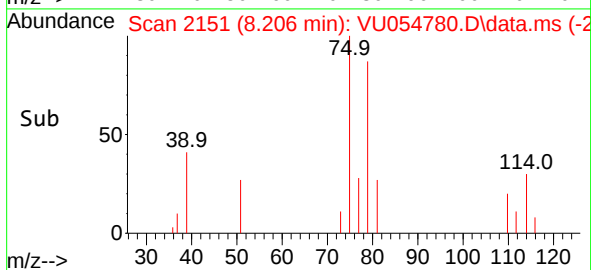
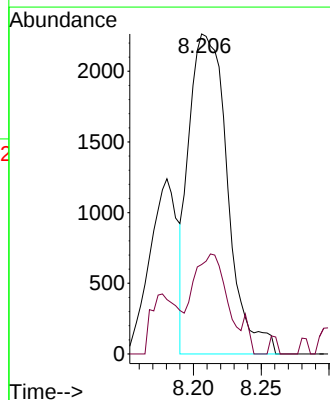
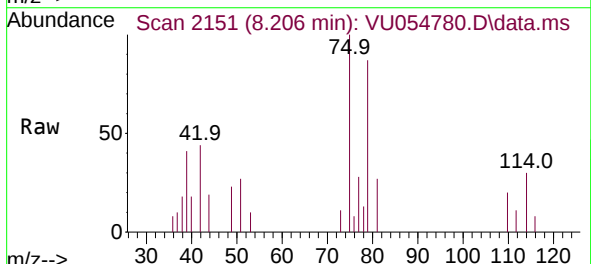
Acq: 12 Jul 2023 10:43

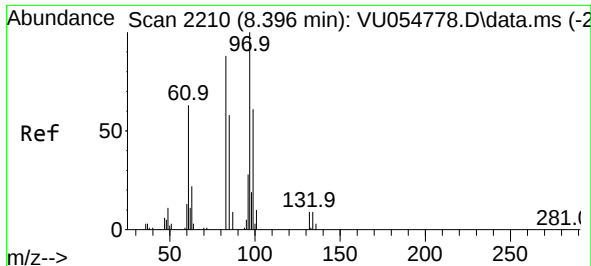
Tgt Ion: 75 Resp: 4475

Ion Ratio Lower Upper

75 100

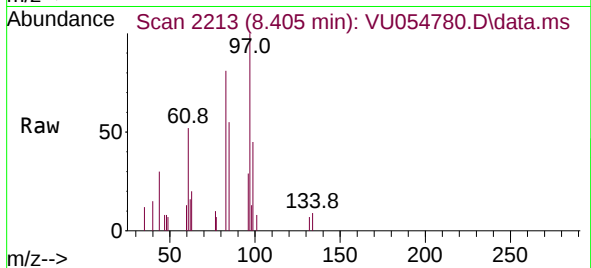
77 28.0 20.2 37.6





#45
1,1,2-Trichloroethane
Concen: 0.247 ug/L
RT: 8.405 min Scan# 21
Delta R.T. 0.010 min
Lab File: VU054780.D
Acq: 12 Jul 2023 10:43

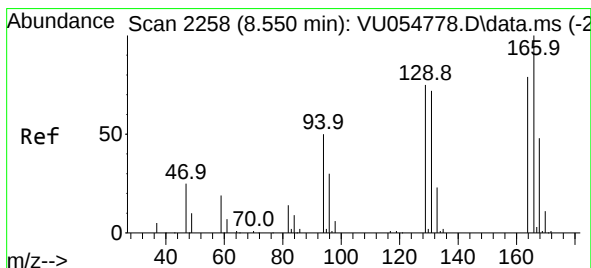
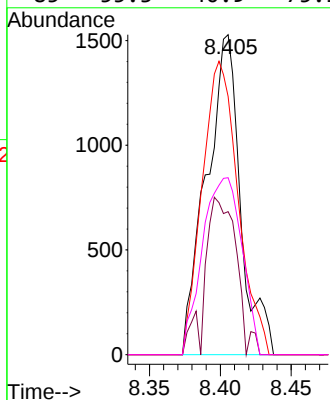
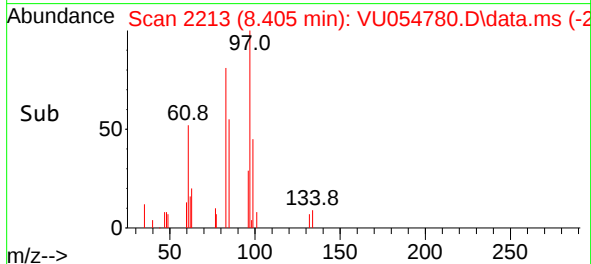
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT3-2023-05



Tgt Ion:	97	Resp:	255
Ion	Ratio	Lower	Upper
97	100		
99	44.7	44.7	83.1
83	80.7	65.2	121.0
85	55.3	40.9	75.9

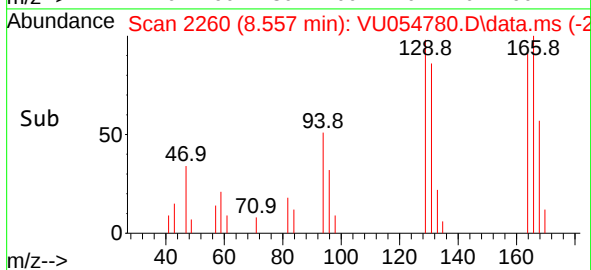
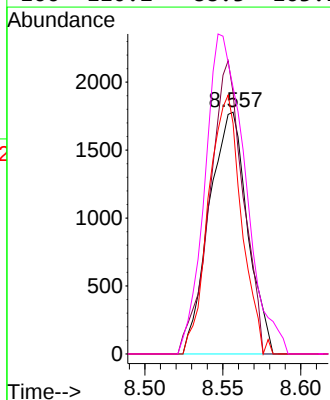
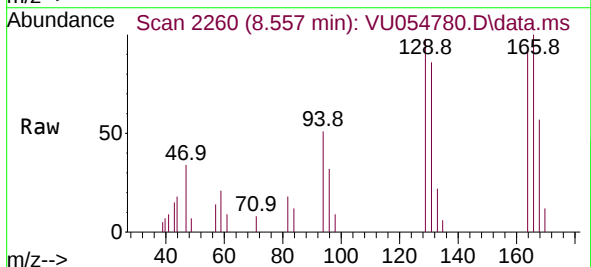
Manual Integrations
APPROVED

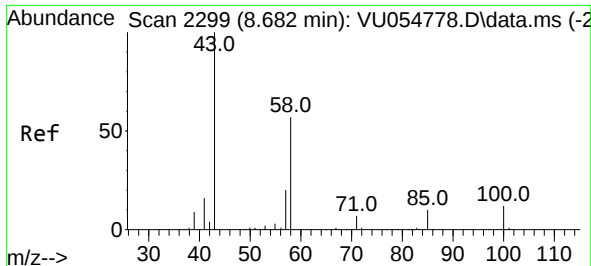
Reviewed By :John Carlone 07/13/2023
Supervised By :Mahesh Dadoda 07/13/2023



#47
Tetrachloroethene
Concen: 0.244 ug/L
RT: 8.557 min Scan# 2260
Delta R.T. 0.006 min
Lab File: VU054780.D
Acq: 12 Jul 2023 10:43

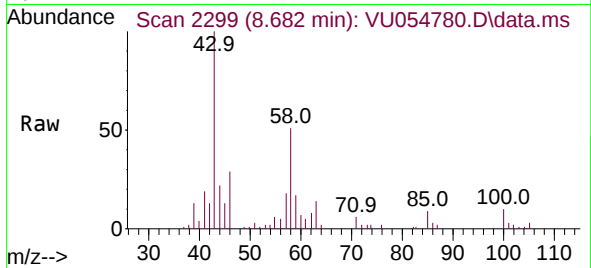
Tgt Ion:	164	Resp:	3035
Ion	Ratio	Lower	Upper
164	100		
129	108.2	66.6	123.8
131	95.3	61.5	114.3
166	110.2	88.3	163.9





#48
2-Hexanone
Concen: 3.748 ug/L
RT: 8.682 min Scan# 21790
Delta R.T. -0.000 min
Lab File: VU054780.D
Acq: 12 Jul 2023 10:43

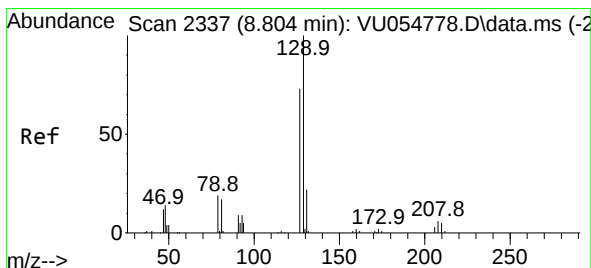
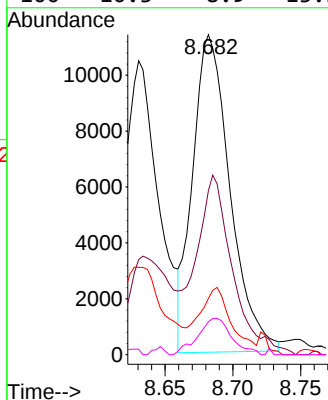
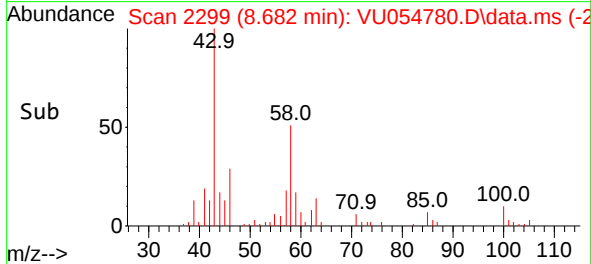
Instrument : MSVOA_U
ClientSampleId : MDL-WATER-QT3-2023-05



Tgt Ion: 43 Resp: 21790
Ion Ratio Lower Upper
43 100
58 53.8 45.2 67.8
57 18.3 15.7 23.5
100 10.3 8.9 13.3

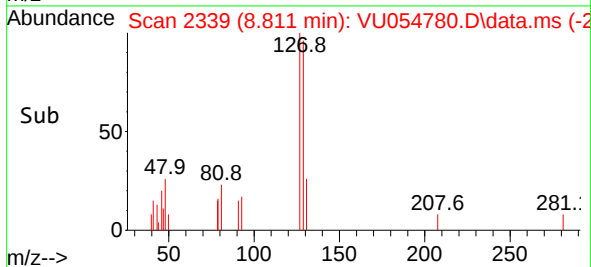
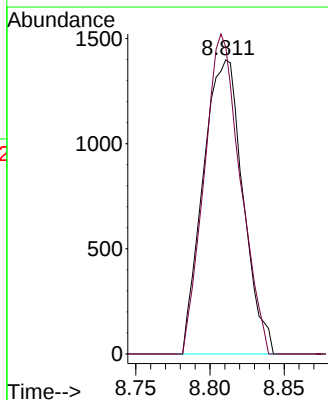
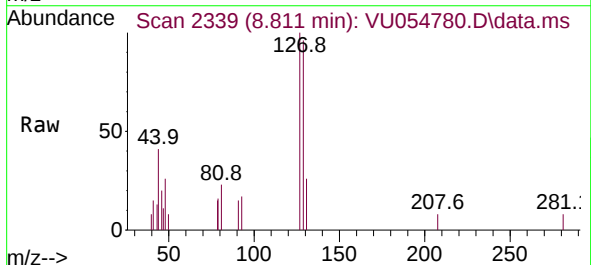
Manual Integrations
APPROVED

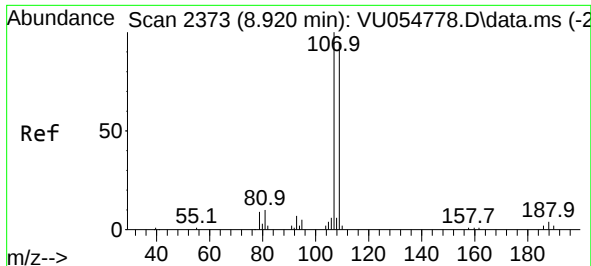
Reviewed By :John Carlone 07/13/2023
Supervised By :Mahesh Dadoda 07/13/2023



#49
Dibromochloromethane
Concen: 0.218 ug/L
RT: 8.811 min Scan# 2339
Delta R.T. 0.006 min
Lab File: VU054780.D
Acq: 12 Jul 2023 10:43

Tgt Ion:129 Resp: 2616
Ion Ratio Lower Upper
129 100
127 104.4 55.6 103.4#





#50

1,2-Dibromoethane

Concen: 0.252 ug/L

RT: 8.923 min Scan# 21

Delta R.T. 0.003 min

Lab File: VU054780.D

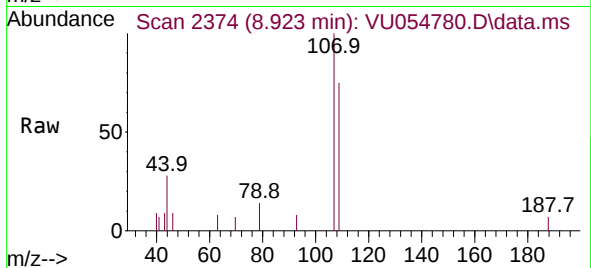
Acq: 12 Jul 2023 10:43

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-QT3-2023-05



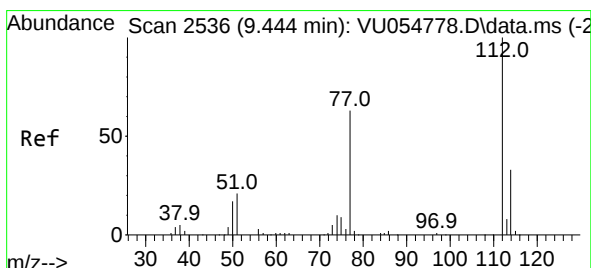
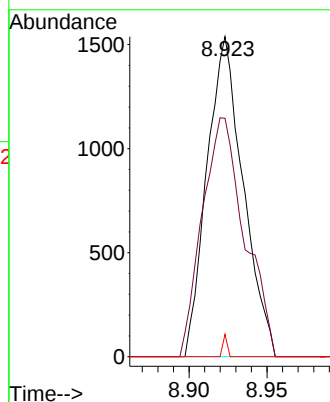
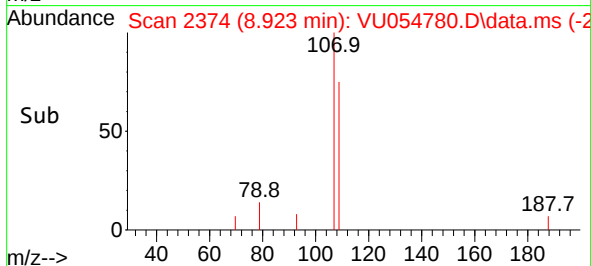
Tgt Ion:	107	Resp:	248
Ion	Ratio	Lower	Upper
107	100		
109	74.5	66.5	123.5
188	7.0	3.3	4.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/13/2023

Supervised By :Mahesh Dadoda 07/13/2023



#51

Chlorobenzene

Concen: 0.255 ug/L

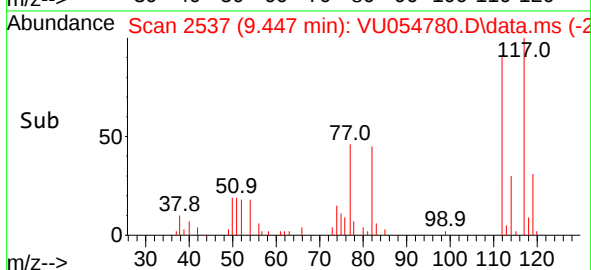
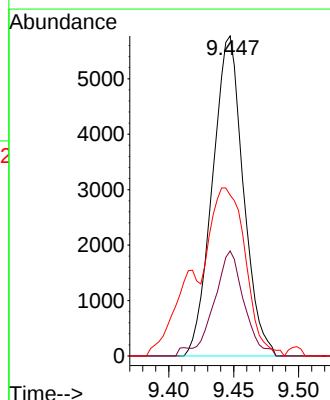
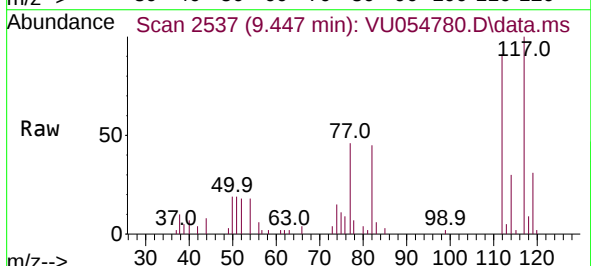
RT: 9.447 min Scan# 2537

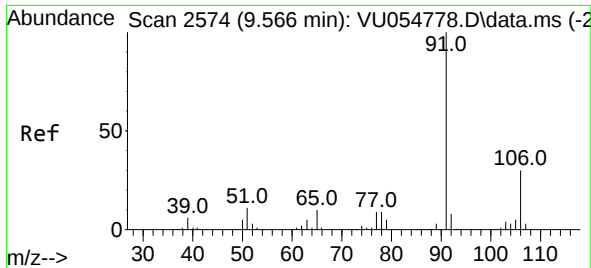
Delta R.T. 0.003 min

Lab File: VU054780.D

Acq: 12 Jul 2023 10:43

Tgt Ion:	112	Resp:	9519
Ion	Ratio	Lower	Upper
112	100		
114	32.8	22.9	42.5
77	58.0	47.3	70.9





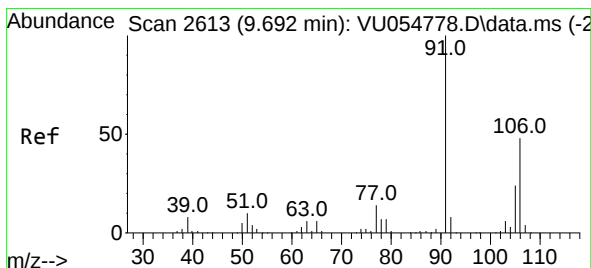
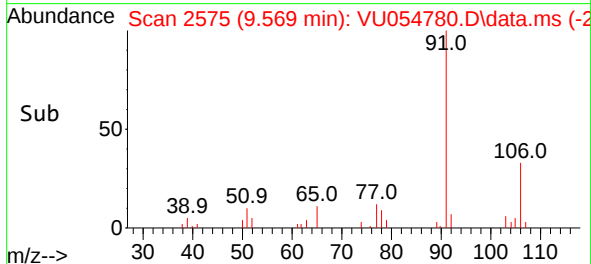
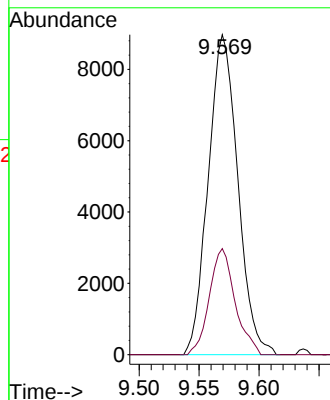
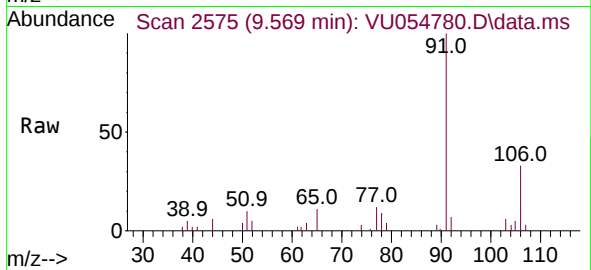
#52
Ethylbenzene
Concen: 0.247 ug/L
RT: 9.569 min Scan# 21539
Delta R.T. 0.003 min
Lab File: VU054780.D
Acq: 12 Jul 2023 10:43

Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT3-2023-05

Tgt Ion: 91 Resp: 1539
Ion Ratio Lower Upper
91 100
106 33.1 21.6 40.0

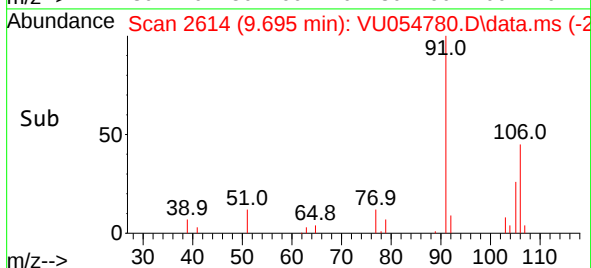
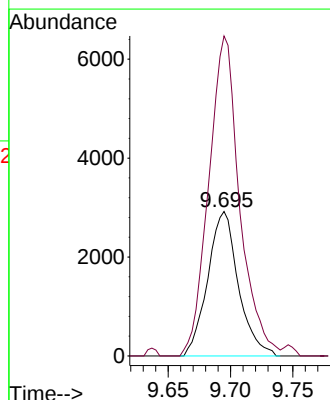
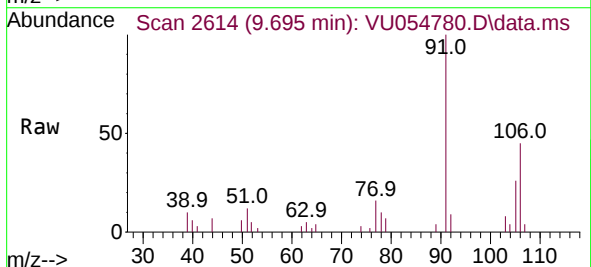
Manual Integrations
APPROVED

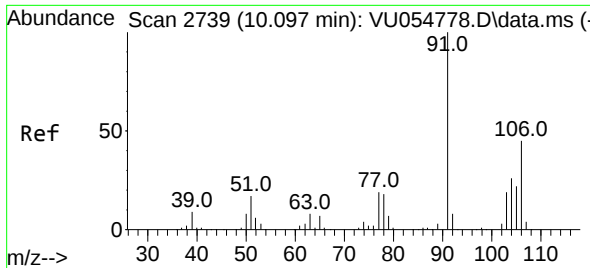
Reviewed By :John Carlone 07/13/2023
Supervised By :Mahesh Dadoda 07/13/2023



#53
m,p-Xylene
Concen: 0.210 ug/L
RT: 9.695 min Scan# 2614
Delta R.T. 0.003 min
Lab File: VU054780.D
Acq: 12 Jul 2023 10:43

Tgt Ion:106 Resp: 4999
Ion Ratio Lower Upper
106 100
91 221.4 148.8 276.4





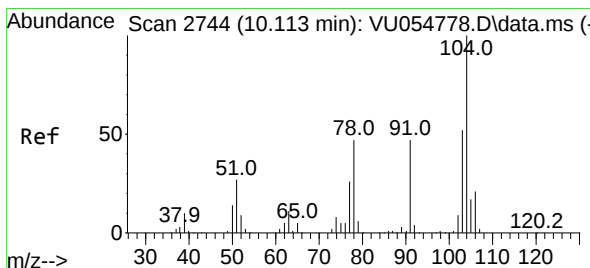
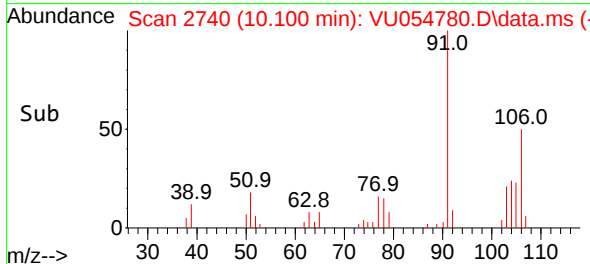
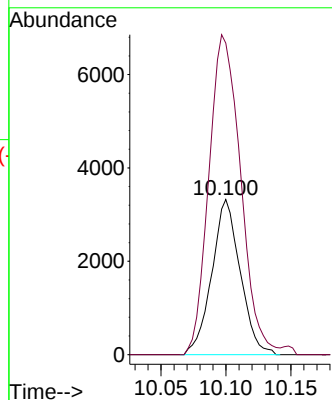
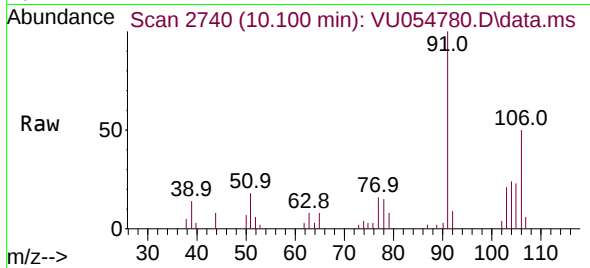
#54
o-Xylene
Concen: 0.227 ug/L
RT: 10.100 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU054780.D
Acq: 12 Jul 2023 10:43

Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT3-2023-05

Tgt Ion:106 Resp: 5054
Ion Ratio Lower Upper
106 100
91 200.7 156.8 291.2

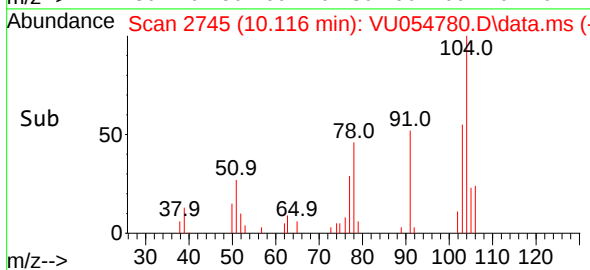
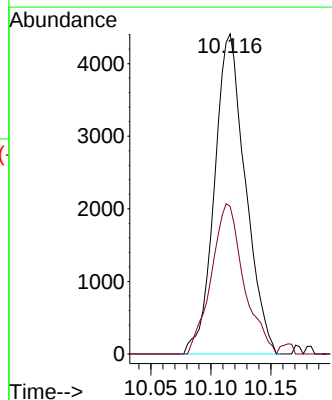
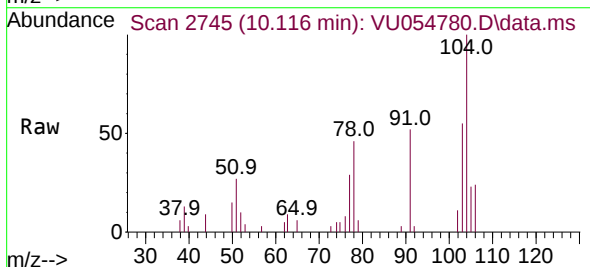
Manual Integrations
APPROVED

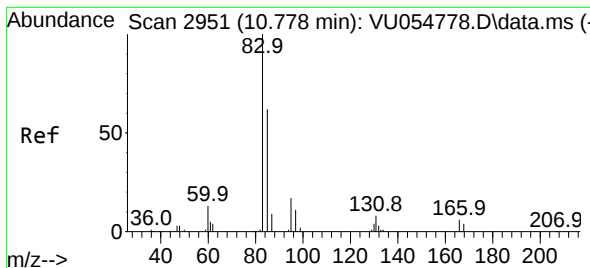
Reviewed By :John Carlone 07/13/2023
Supervised By :Mahesh Dadoda 07/13/2023



#55
Styrene
Concen: 0.210 ug/L
RT: 10.116 min Scan# 2745
Delta R.T. 0.003 min
Lab File: VU054780.D
Acq: 12 Jul 2023 10:43

Tgt Ion:104 Resp: 7897
Ion Ratio Lower Upper
104 100
78 46.2 32.5 60.3





#57

1,1,2,2-Tetrachloroethane

Concen: 0.240 ug/L

RT: 10.782 min Scan# 2951

Delta R.T. 0.003 min

Lab File: VU054780.D

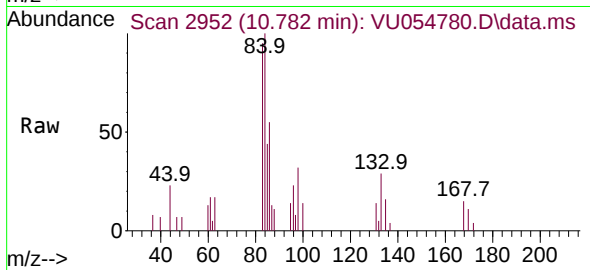
Acq: 12 Jul 2023 10:43

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-QT3-2023-05



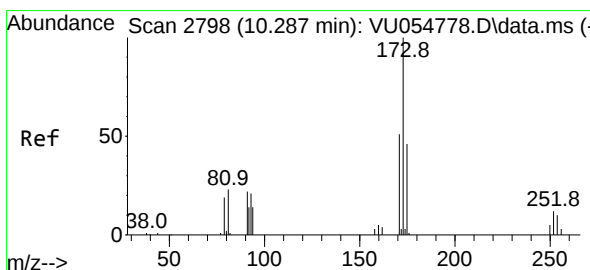
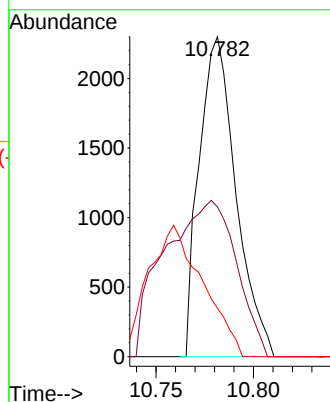
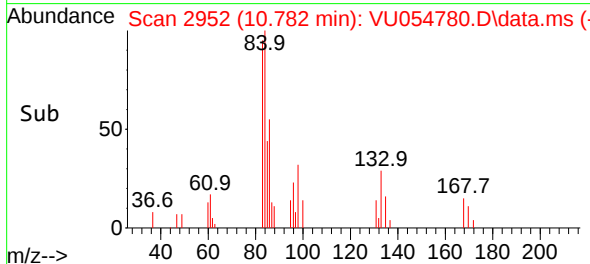
Tgt Ion:	83	Resp:	3019
Ion Ratio	Lower	Upper	
83	100		
85	46.8	45.5	84.5
131	15.2	8.6	13.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/13/2023

Supervised By :Mahesh Dadoda 07/13/2023



#59

Bromoform

Concen: 0.290 ug/L

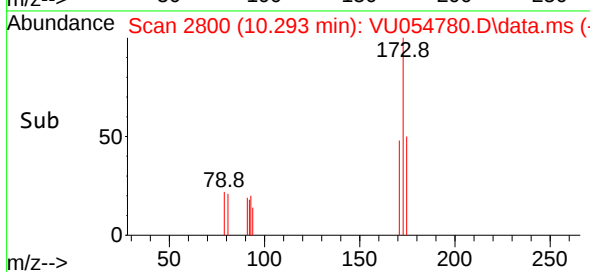
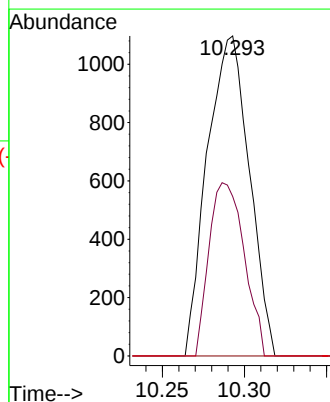
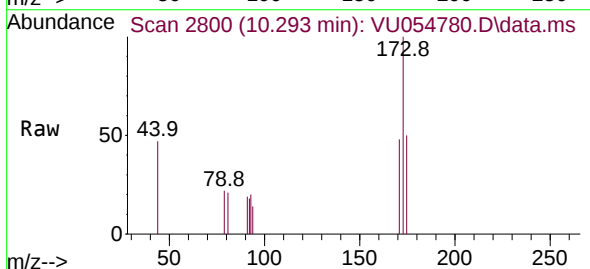
RT: 10.293 min Scan# 2800

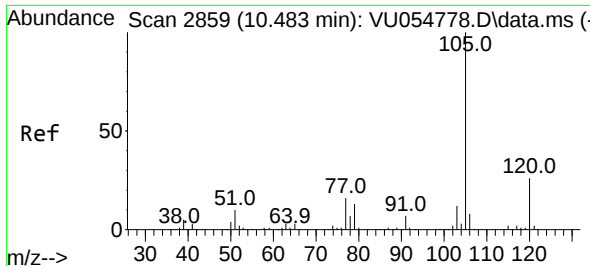
Delta R.T. 0.006 min

Lab File: VU054780.D

Acq: 12 Jul 2023 10:43

Tgt Ion:	173	Resp:	1951
Ion Ratio	Lower	Upper	
173	100		
175	45.4	38.1	57.1
254	0.0	7.8	11.6





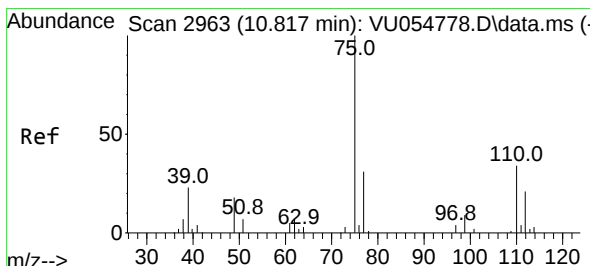
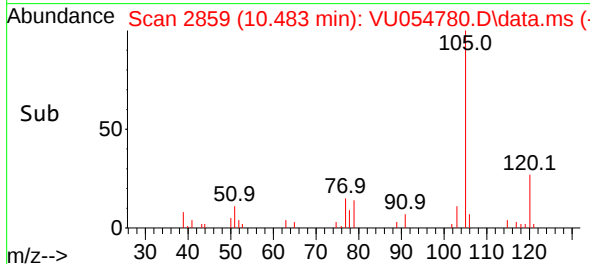
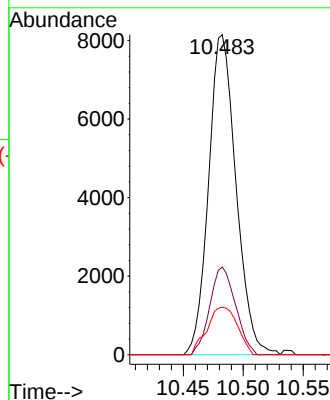
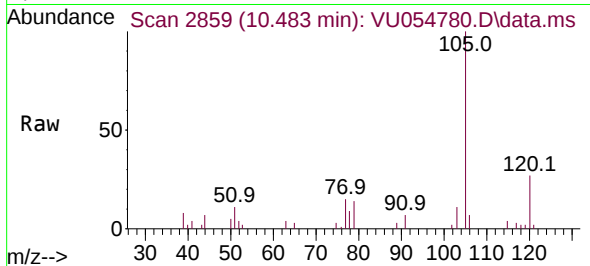
#60
Isopropylbenzene
Concen: 0.243 ug/L
RT: 10.483 min Scan# 2859
Delta R.T. -0.000 min
Lab File: VU054780.D
Acq: 12 Jul 2023 10:43

Instrument : MSVOA_U
ClientSampleId :
MDL-WATER-QT3-2023-05

Tgt Ion:105 Resp: 1295
Ion Ratio Lower Upper
105 100
120 25.7 20.8 31.2
77 16.4 13.2 19.8

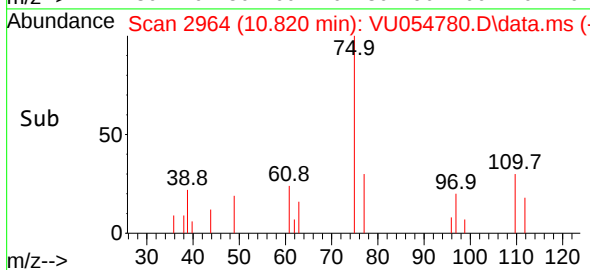
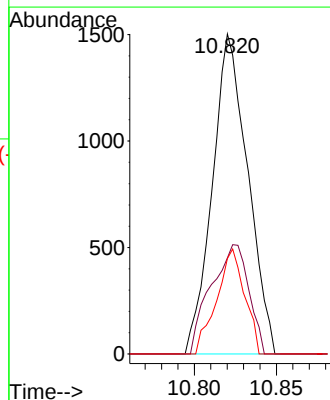
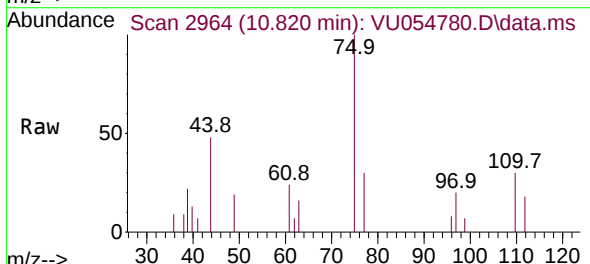
Manual Integrations
APPROVED

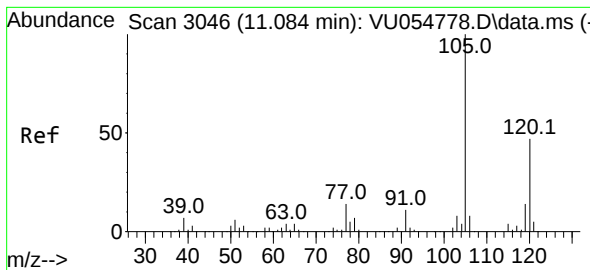
Reviewed By :John Carlone 07/13/2023
Supervised By :Mahesh Dadoda 07/13/2023



#61
1,2,3-Trichloropropane
Concen: 0.269 ug/L
RT: 10.820 min Scan# 2964
Delta R.T. 0.003 min
Lab File: VU054780.D
Acq: 12 Jul 2023 10:43

Tgt Ion: 75 Resp: 2249
Ion Ratio Lower Upper
75 100
110 36.5 29.8 44.6
77 26.0 26.6 39.8#





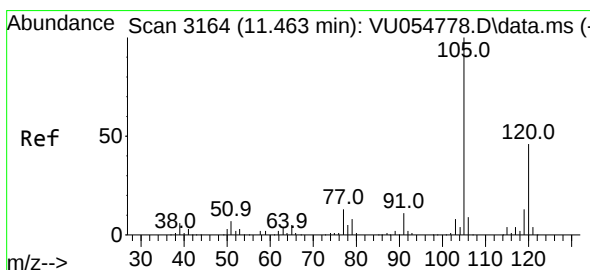
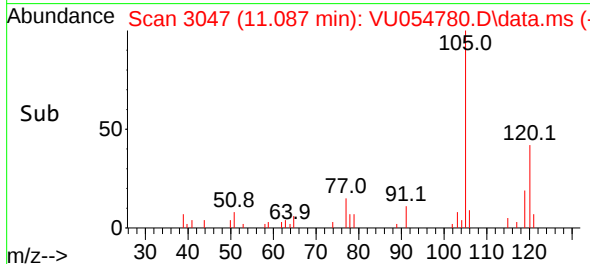
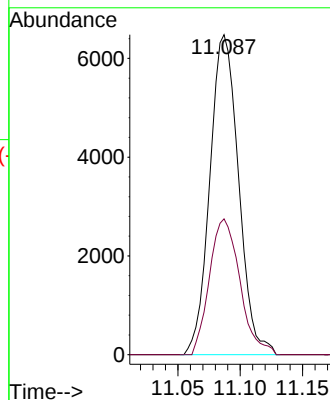
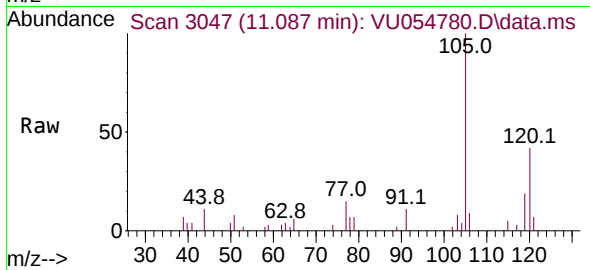
#62
1,3,5-Trimethylbenzene
Concen: 0.236 ug/L
RT: 11.087 min Scan# 3046
Delta R.T. 0.003 min
Lab File: VU054780.D
Acq: 12 Jul 2023 10:43

Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT3-2023-05

Tgt Ion:105 Resp: 10410
Ion Ratio Lower Upper
105 100
120 45.0 38.6 58.0

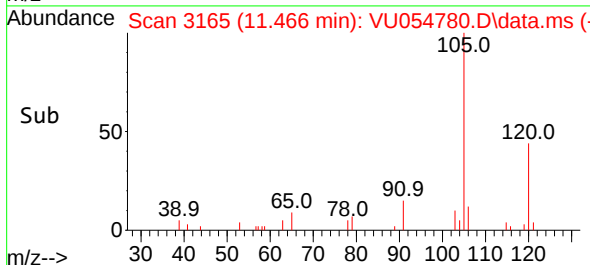
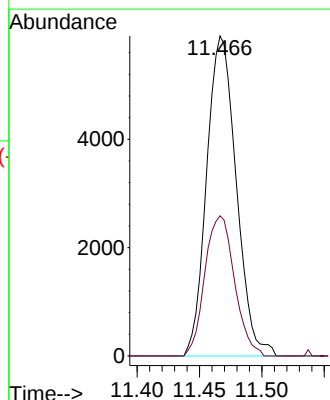
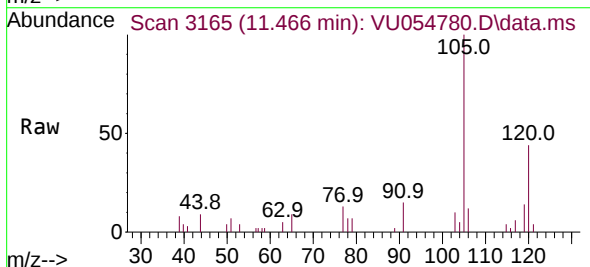
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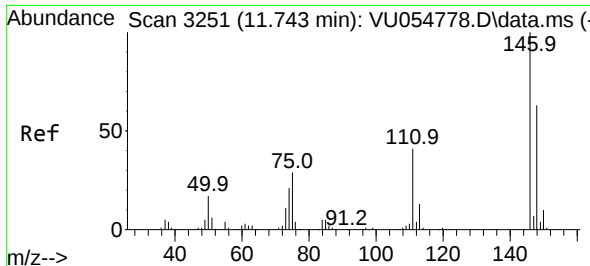
Reviewed By :John Carlone 07/13/2023
Supervised By :Mahesh Dadoda 07/13/2023



#63
1,2,4-Trimethylbenzene
Concen: 0.231 ug/L
RT: 11.466 min Scan# 3165
Delta R.T. 0.003 min
Lab File: VU054780.D
Acq: 12 Jul 2023 10:43

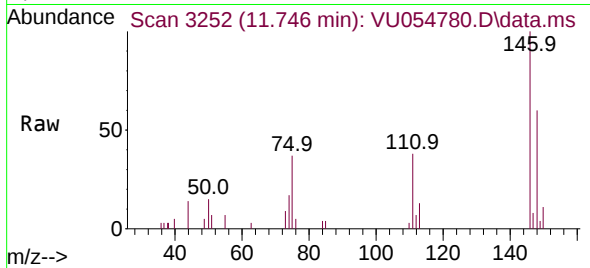
Tgt Ion:105 Resp: 9752
Ion Ratio Lower Upper
105 100
120 43.9 35.2 52.8





#64
1,3-Dichlorobenzene
Concen: 0.287 ug/L
RT: 11.746 min Scan# 31
Delta R.T. 0.003 min
Lab File: VU054780.D
Acq: 12 Jul 2023 10:43

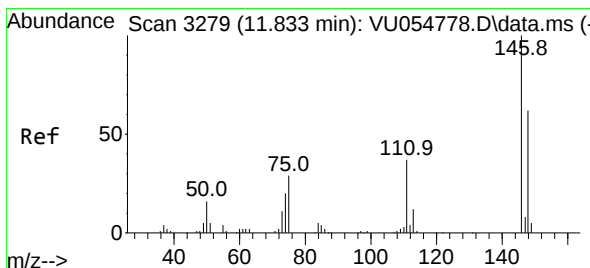
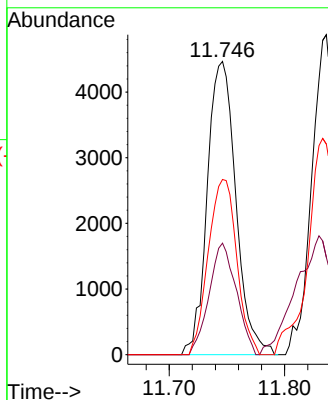
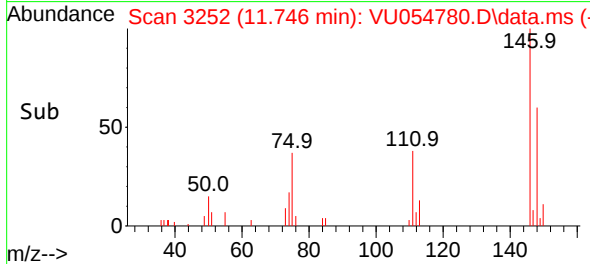
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT3-2023-05



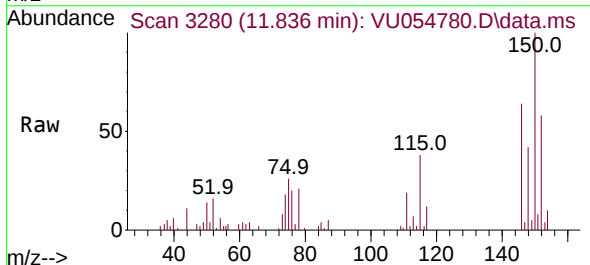
Tgt Ion:146 Resp: 768
Ion Ratio Lower Upper
146 100
111 38.0 27.5 51.1
148 59.7 45.5 84.5

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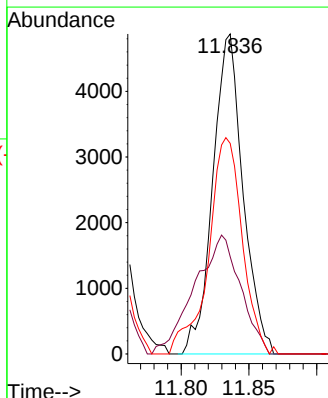
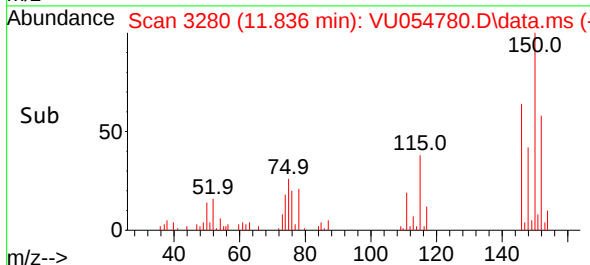
Reviewed By :John Carlone 07/13/2023
Supervised By :Mahesh Dadoda 07/13/2023

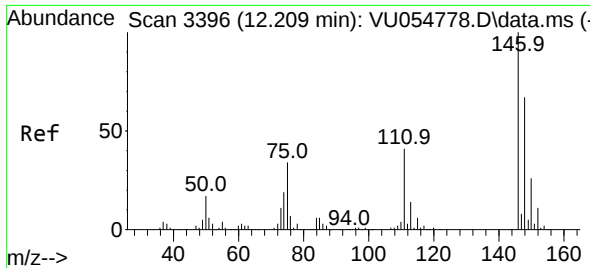


#65
1,4-Dichlorobenzene
Concen: 0.283 ug/L
RT: 11.836 min Scan# 3280
Delta R.T. 0.003 min
Lab File: VU054780.D
Acq: 12 Jul 2023 10:43



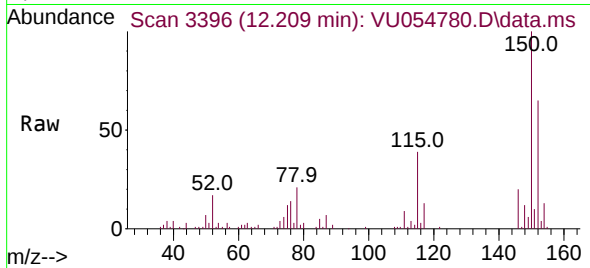
Tgt Ion:146 Resp: 7560
Ion Ratio Lower Upper
146 100
111 30.4 25.7 47.7
148 65.8 43.7 81.1





#67
1,2-Dichlorobenzene
Concen: 0.304 ug/L
RT: 12.209 min Scan# 31
Delta R.T. -0.000 min
Lab File: VU054780.D
Acq: 12 Jul 2023 10:43

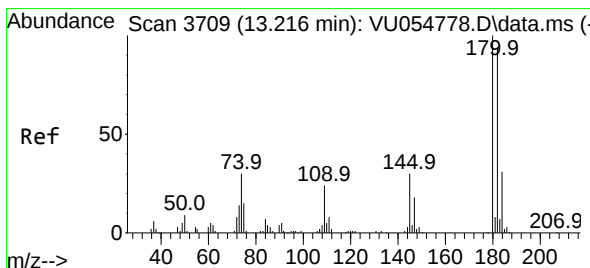
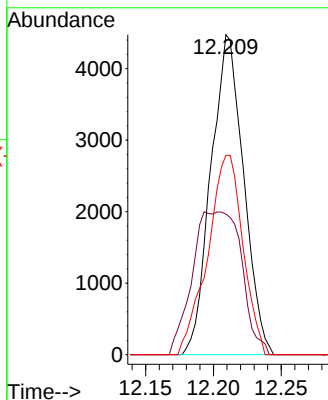
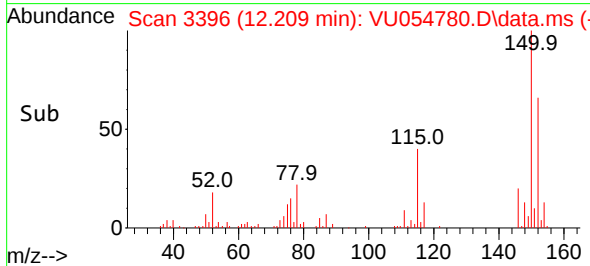
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT3-2023-05



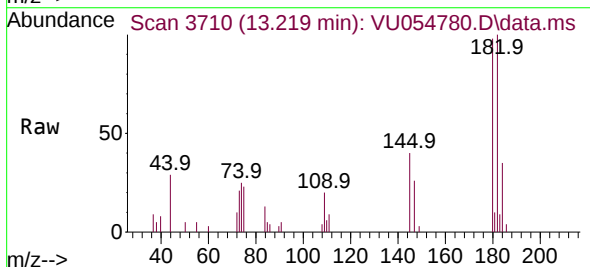
Tgt Ion:146 Resp: 749
Ion Ratio Lower Upper
146 100
111 44.0 32.4 48.6
148 62.3 53.2 79.8

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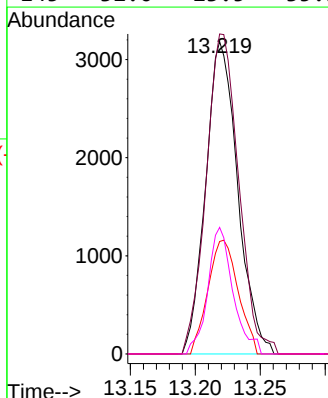
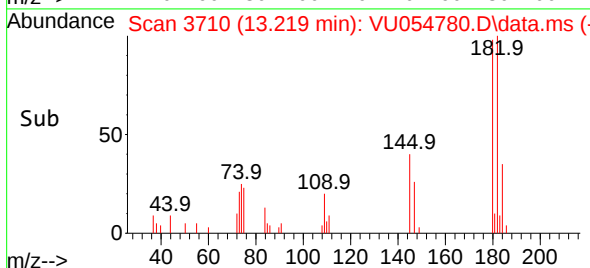
Reviewed By :John Carlone 07/13/2023
Supervised By :Mahesh Dadoda 07/13/2023

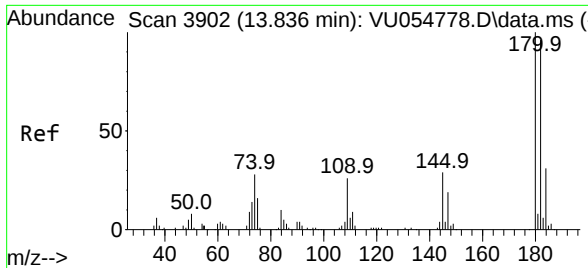


#69
1,3,5-Trichlorobenzene
Concen: 0.272 ug/L
RT: 13.219 min Scan# 3710
Delta R.T. 0.003 min
Lab File: VU054780.D
Acq: 12 Jul 2023 10:43



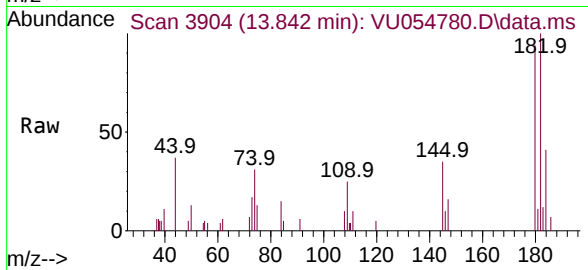
Tgt Ion:180 Resp: 5456
Ion Ratio Lower Upper
180 100
182 104.1 74.6 111.8
184 34.3 24.9 37.3
145 32.0 23.5 35.3





#70
 1,2,4-trichlorobenzene
 Concen: 0.292 ug/L
 RT: 13.842 min Scan# 3904
 Delta R.T. 0.006 min
 Lab File: VU054780.D
 Acq: 12 Jul 2023 10:43

Instrument : MSVOA_U
 ClientSampleId :
 MDL-WATER-QT3-2023-05



Tgt Ion:180 Resp: 4709

Ion	Ratio	Lower	Upper
180	100		
182	95.5	76.5	114.7
145	29.3	23.4	35.2

Manual Integrations
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Reviewed By :John Carlone 07/13/2023
 Supervised By :Mahesh Dadoda 07/13/2023

