

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU071323\
 Data File : VU054785.D
 Acq On : 13 Jul 2023 10:41
 Operator : MD/SY
 Sample : 03573-02
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 5 Sample Multiplier: 1

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

Quant Time: Jul 14 07:56:34 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR070723WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Jul 14 07:53:34 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 07/14/2023
 Supervised By : Mahesh Dadoda 07/14/2023

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

Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	232453	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	223993	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.811	152	110426	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	75712	4.316	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	86.400%
7) Chloroethane-d5	1.908	69	66518	4.532	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	90.600%
11) 1,1-Dichloroethene-d2	2.564	65	32357	4.516	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	90.400%
20) 2-Butanone-d5	4.625	46	188573	47.305	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	94.620%
24) Chloroform-d	5.059	84	149104	4.771	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.400%
26) 1,2-Dichloroethane-d4	5.698	65	78347	4.795	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.000%
32) Benzene-d6	5.724	84	285881	4.808	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.200%
36) 1,2-Dichloropropane-d6	6.689	67	93349	4.950	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	99.000%
41) Toluene-d8	7.895	98	259562	4.684	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.600%
43) trans-1,3-Dichloroprop...	8.177	79	35034	4.617	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	92.400%
46) 2-Hexanone-d5	8.631	63	137782	47.392	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	94.780%
56) 1,1,2,2-Tetrachloroeth...	10.753	84	70946	4.669	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	93.400%
66) 1,2-Dichlorobenzene-d4	12.190	152	93769	4.874	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	97.400%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.384	85	3232	0.179	ug/L	98
3) Chloromethane	1.519	50	5364	0.266	ug/L	92
5) Vinyl chloride	1.602	62	3722	0.190	ug/L #	77
6) Bromomethane	1.853	94	2926	0.246	ug/L	85
8) Chloroethane	1.930	64	2406	0.215	ug/L #	75
9) Trichlorofluoromethane	2.133	101	4674	0.183	ug/L	86
10) 1,1,2-Trichloro-1,2,2-...	2.573	101	3404	0.267	ug/L #	80
12) 1,1-Dichloroethene	2.573	96	2947	0.248	ug/L #	1
14) Carbon disulfide	2.789	76	8196	0.205	ug/L #	91
15) Methyl Acetate	2.959	43	1392	0.270	ug/L #	51
17) Methyl tert-butyl Ether	3.364	73	5318	0.190	ug/L	93
18) trans-1,2-Dichloroethene	3.355	96	2367	0.193	ug/L	96
19) 1,1-Dichloroethane	3.869	63	4763	0.201	ug/L #	93
21) 2-Butanone	4.727	43	11984m	3.820	ug/L	
22) cis-1,2-Dichloroethene	4.663	96	2587	0.194	ug/L	93
23) Bromochloromethane	4.975	128	1110	0.187	ug/L #	81
27) 1,2-Dichloroethane	5.792	62	3129	0.195	ug/L #	74
29) 1,1,1-Trichloroethane	5.309	97	3758	0.174	ug/L	88
31) Carbon tetrachloride	5.525	117	3463	0.179	ug/L	95

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33) Benzene	5.776	78	10278	0.204	ug/L	100
37) 1,2-Dichloropropane	6.785	63	2733	0.207	ug/L #	95
38) Bromodichloromethane	7.104	83	3390	0.199	ug/L #	80
39) cis-1,3-Dichloropropene	7.608	75	3692	0.187	ug/L	95
40) 4-Methyl-2-pentanone	7.792	43	13365	1.802	ug/L #	84
42) Toluene	7.965	91	10484	0.196	ug/L	96
44) trans-1,3-Dichloropropene	8.210	75	3025	0.177	ug/L	84
45) 1,1,2-Trichloroethane	8.396	97	1784	0.188	ug/L #	78
47) Tetrachloroethene	8.554	164	2610	0.228	ug/L	88
48) 2-Hexanone	8.685	43	20813	3.897	ug/L #	91
49) Dibromochloromethane	8.811	129	2019	0.183	ug/L	83
50) 1,2-Dibromoethane	8.927	107	1550	0.171	ug/L #	85
51) Chlorobenzene	9.444	112	6649	0.194	ug/L #	80
52) Ethylbenzene	9.566	91	10802	0.189	ug/L	98
53) m,p-Xylene	9.698	106	3607	0.165	ug/L	95
54) o-Xylene	10.100	106	3515	0.172	ug/L	81
55) Styrene	10.120	104	5766	0.167	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.782	83	2261	0.196	ug/L #	99
59) Bromoform	10.287	173	1240	0.192	ug/L #	92
60) Isopropylbenzene	10.486	105	9648	0.188	ug/L	98
61) 1,2,3-Trichloropropane	10.824	75	1693	0.210	ug/L #	86
62) 1,3,5-Trimethylbenzene	11.084	105	7290	0.171	ug/L	93
63) 1,2,4-Trimethylbenzene	11.467	105	7318	0.180	ug/L	97
64) 1,3-Dichlorobenzene	11.746	146	5204	0.202	ug/L	97
65) 1,4-Dichlorobenzene	11.833	146	5501	0.214	ug/L	99
67) 1,2-Dichlorobenzene	12.209	146	5178	0.218	ug/L	93
69) 1,3,5-Trichlorobenzene	13.222	180	3959	0.205	ug/L #	93

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

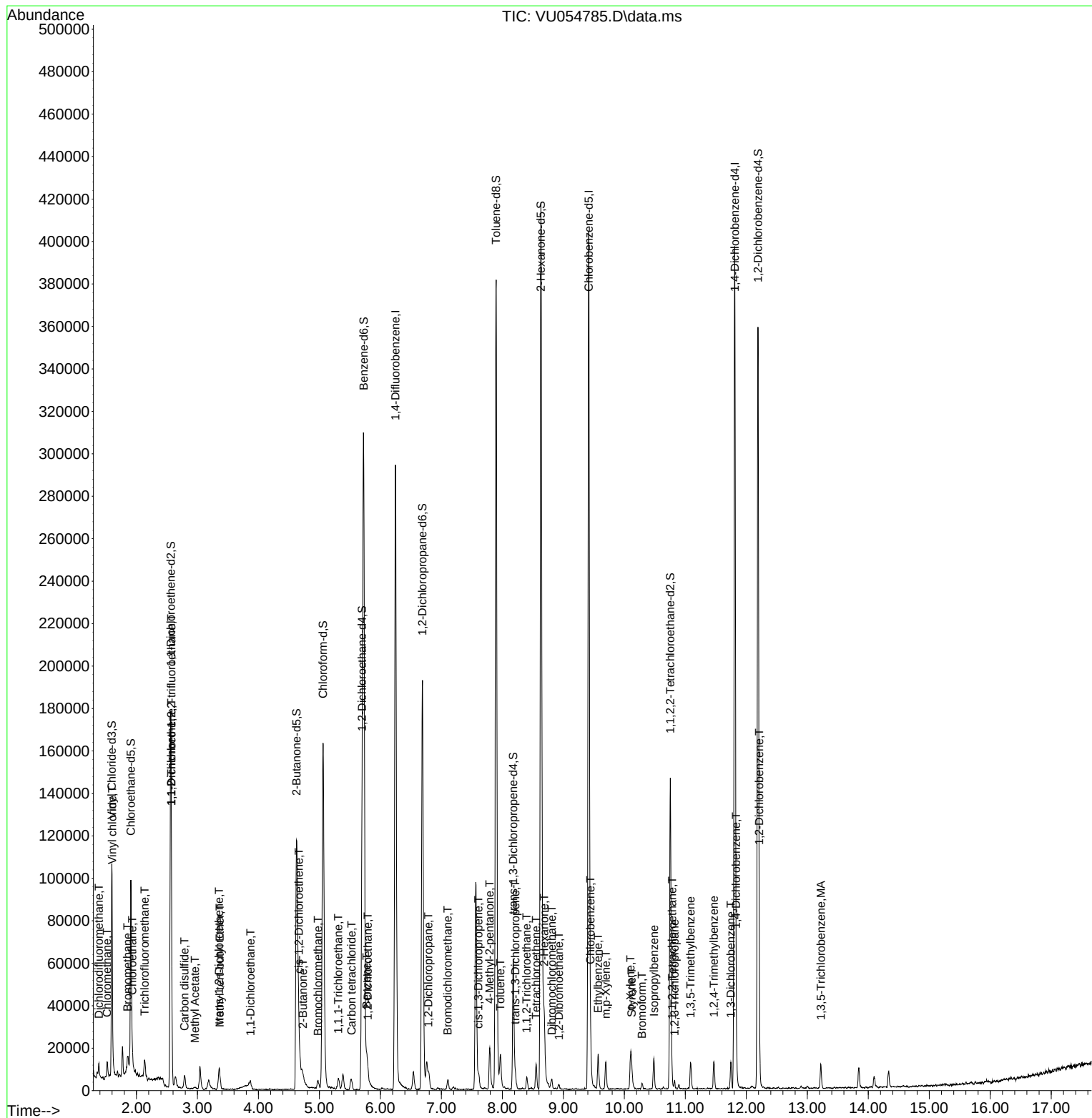
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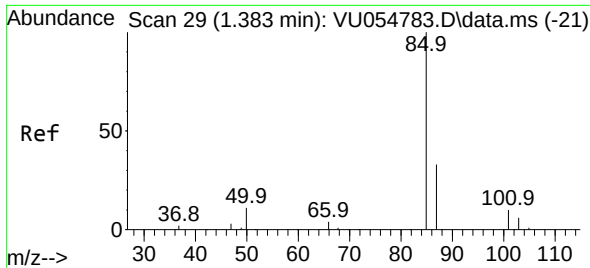
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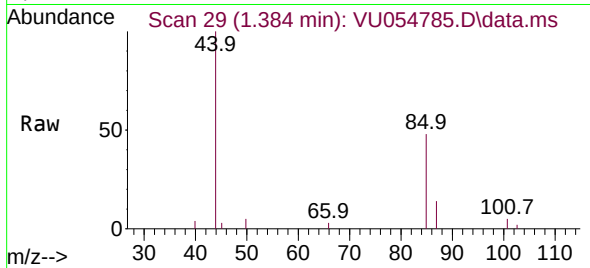
Reviewed By :John Carlone 07/14/2023
Supervised By :Mahesh Dadoda 07/14/2023





#2
Dichlorodifluoromethane
Concen: 0.179 ug/L
RT: 1.384 min Scan# 29
Delta R.T. 0.000 min
Lab File: VU054785.D
Acq: 13 Jul 2023 10:41

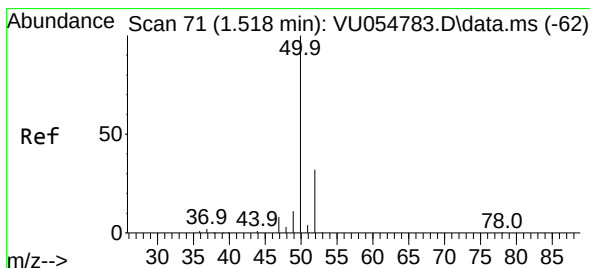
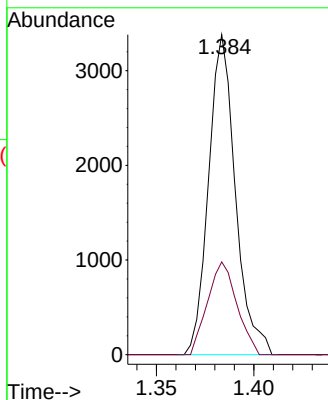
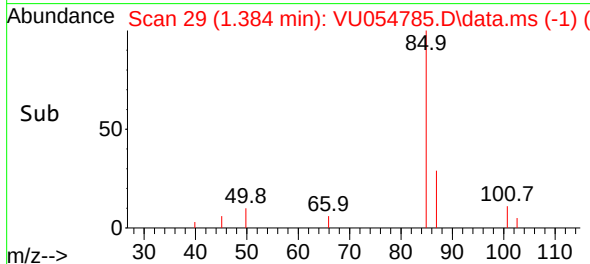
Instrument : MSVOA_U
ClientSampleId :
MDL-WATER-QT3-2023-06



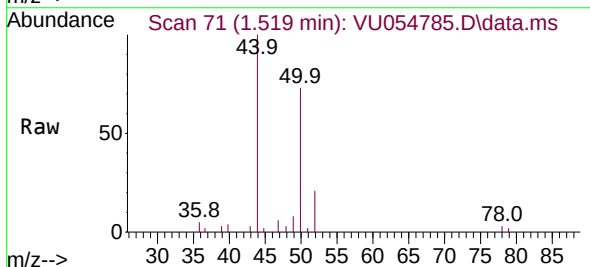
Tgt Ion: 85 Resp: 323
Ion Ratio Lower Upper
85 100
87 31.7 26.2 39.2

Manual Integrations
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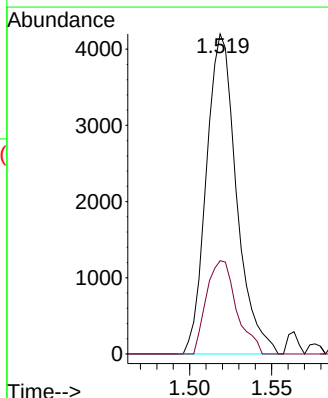
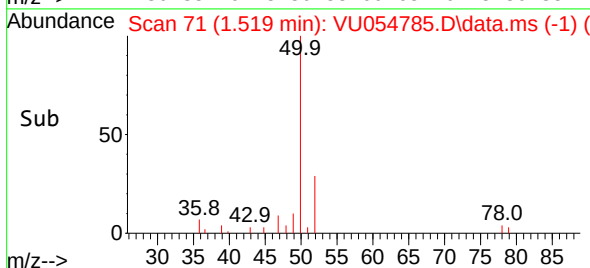
Reviewed By :John Carlone 07/14/2023
Supervised By :Mahesh Dadoda 07/14/2023

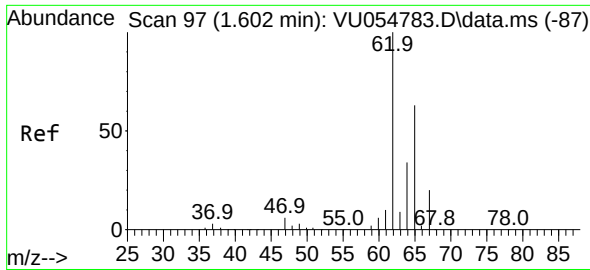


#3
Chloromethane
Concen: 0.266 ug/L
RT: 1.519 min Scan# 71
Delta R.T. 0.000 min
Lab File: VU054785.D
Acq: 13 Jul 2023 10:41



Tgt Ion: 50 Resp: 5364
Ion Ratio Lower Upper
50 100
52 29.2 23.4 43.6





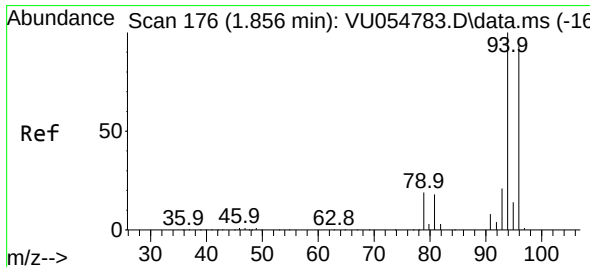
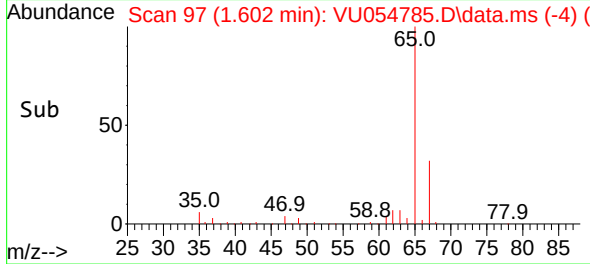
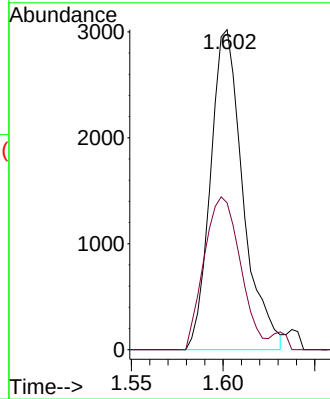
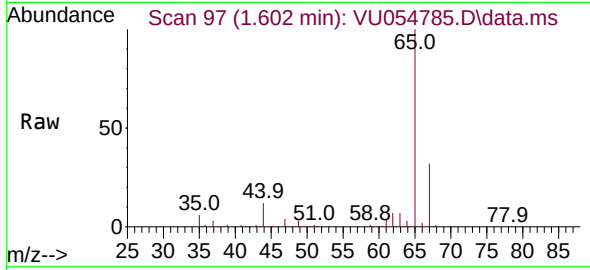
#5
 Vinyl chloride
 Concen: 0.190 ug/L
 RT: 1.602 min Scan# 91
 Delta R.T. 0.000 min
 Lab File: VU054785.D
 Acq: 13 Jul 2023 10:41

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 ClientSampleId :
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Tgt Ion: 62 Resp: 372
 Ion Ratio Lower Upper
 62 100
 64 45.9 23.2 43.0

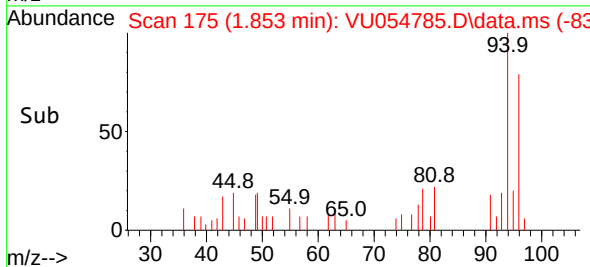
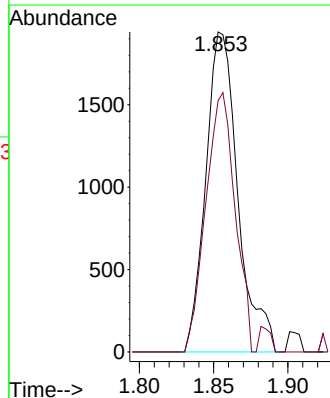
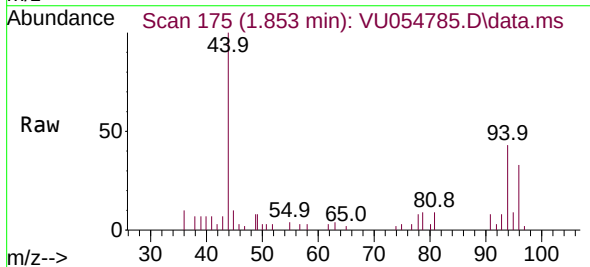
Manual Integrations
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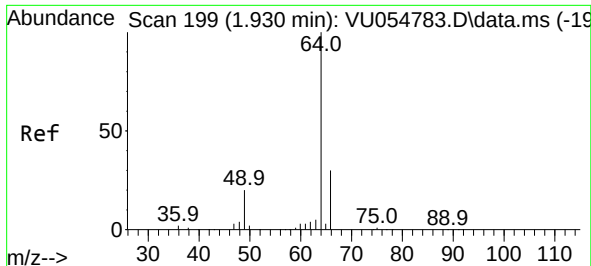
Reviewed By :John Carlone 07/14/2023
 Supervised By :Mahesh Dadoda 07/14/2023



#6
 Bromomethane
 Concen: 0.246 ug/L
 RT: 1.853 min Scan# 175
 Delta R.T. -0.003 min
 Lab File: VU054785.D
 Acq: 13 Jul 2023 10:41

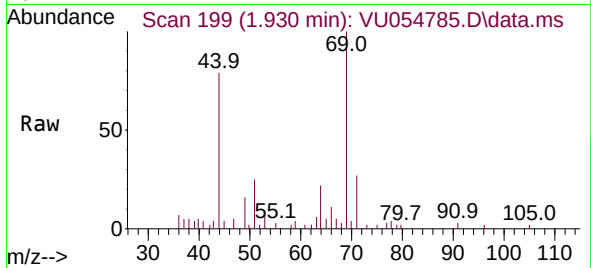
Tgt Ion: 94 Resp: 2926
 Ion Ratio Lower Upper
 94 100
 96 78.6 65.0 120.6





#8
Chloroethane
Concen: 0.215 ug/L
RT: 1.930 min Scan# 199
Delta R.T. 0.000 min
Lab File: VU054785.D
Acq: 13 Jul 2023 10:41

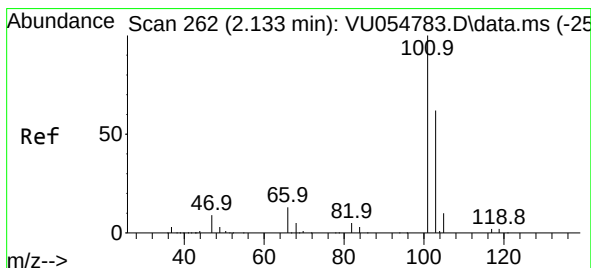
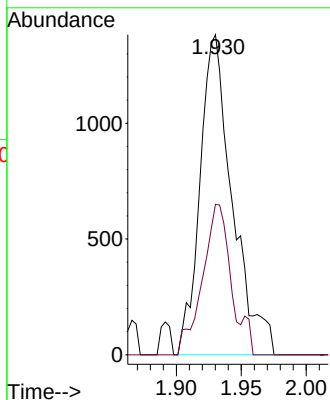
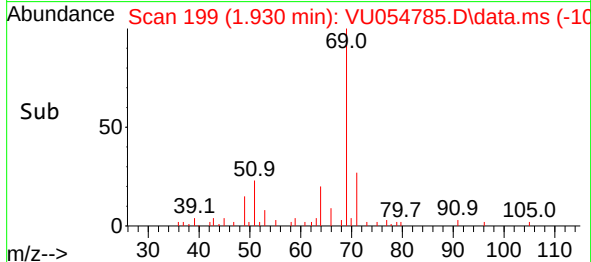
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT3-2023-06



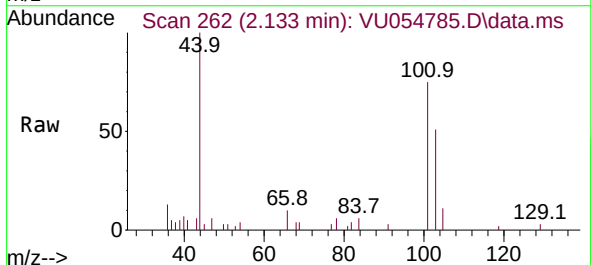
Tgt Ion: 64 Resp: 2400
Ion Ratio Lower Upper
64 100
66 47.0 23.0 42.8

Manual Integrations
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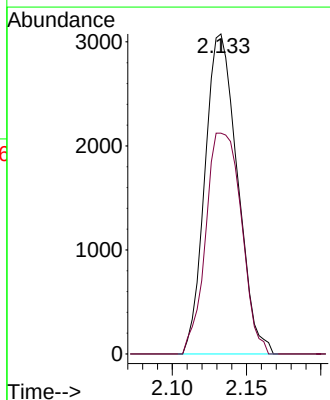
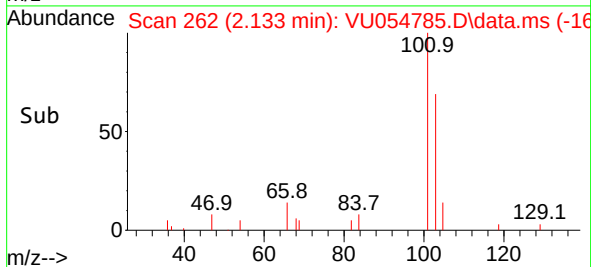
Reviewed By :John Carlone 07/14/2023
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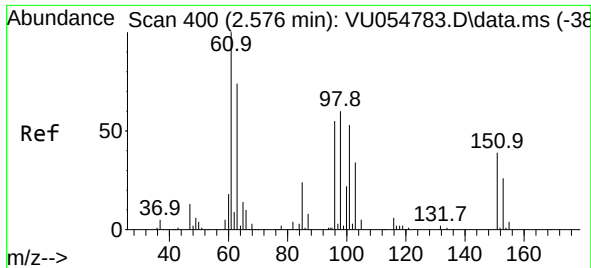


#9
Trichlorofluoromethane
Concen: 0.183 ug/L
RT: 2.133 min Scan# 262
Delta R.T. 0.000 min
Lab File: VU054785.D
Acq: 13 Jul 2023 10:41



Tgt Ion:101 Resp: 4674
Ion Ratio Lower Upper
101 100
103 75.8 51.8 77.8





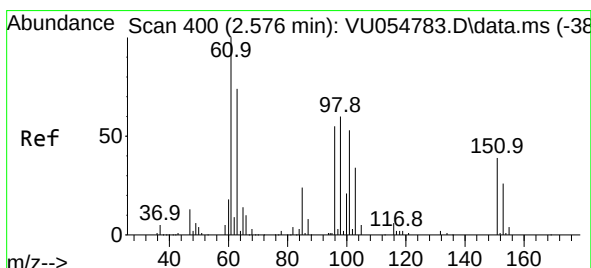
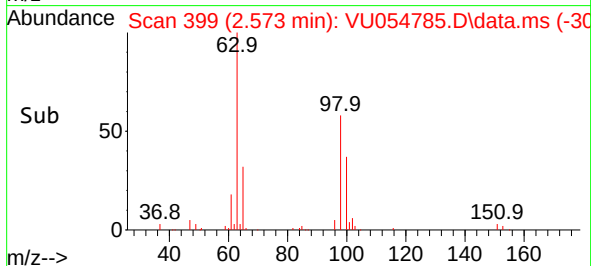
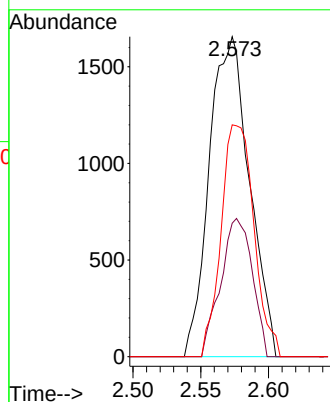
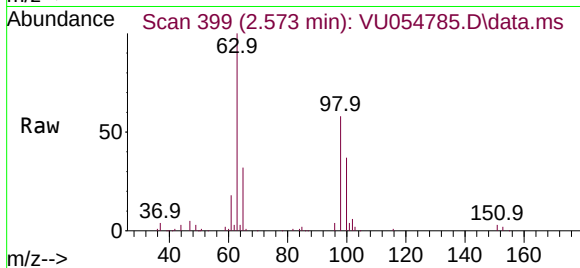
#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.267 ug/L
RT: 2.573 min Scan# 399
Delta R.T. -0.003 min
Lab File: VU054785.D
Acq: 13 Jul 2023 10:41

Instrument :
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ClientSampleId :
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Tgt Ion:101 Resp: 3404
Ion Ratio Lower Upper
101 100
85 34.1 34.5 51.7
151 59.5 63.5 95.3

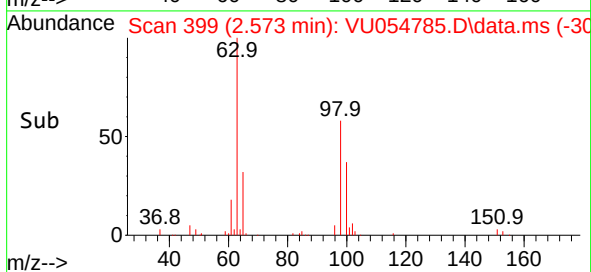
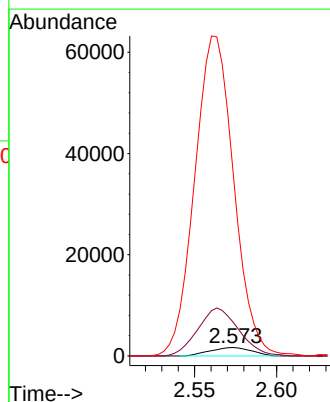
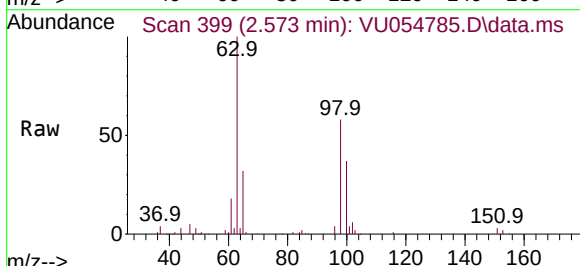
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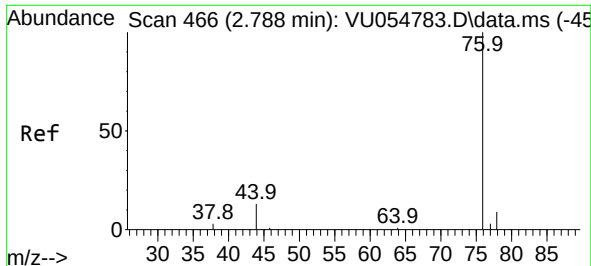
Reviewed By :John Carlone 07/14/2023
Supervised By :Mahesh Dadoda 07/14/2023



#12
1,1-Dichloroethene
Concen: 0.248 ug/L
RT: 2.573 min Scan# 399
Delta R.T. -0.003 min
Lab File: VU054785.D
Acq: 13 Jul 2023 10:41

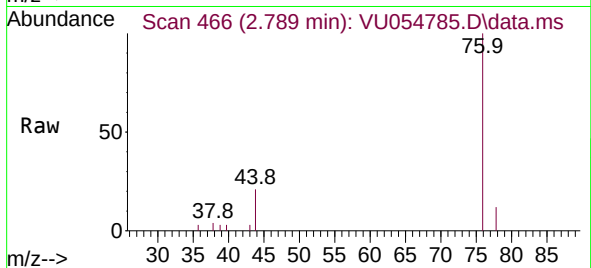
Tgt Ion: 96 Resp: 2947
Ion Ratio Lower Upper
96 100
61 405.3 131.8 244.8#
63 2223.3 109.8 204.0#





#14
Carbon disulfide
Concen: 0.205 ug/L
RT: 2.789 min Scan# 466
Delta R.T. 0.000 min
Lab File: VU054785.D
Acq: 13 Jul 2023 10:41

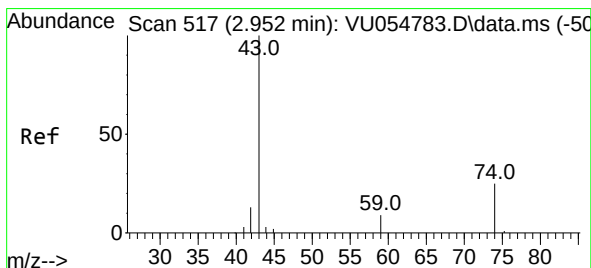
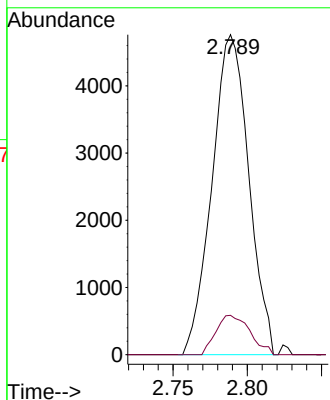
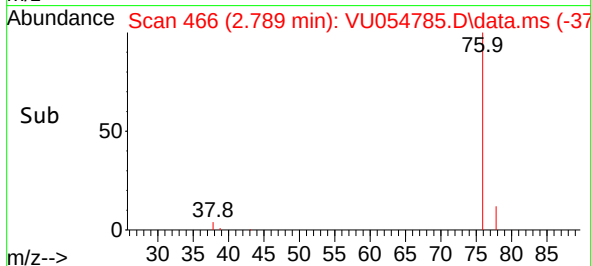
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Tgt Ion: 76 Resp: 8190
Ion Ratio Lower Upper
76 100
78 12.3 7.1 10.7

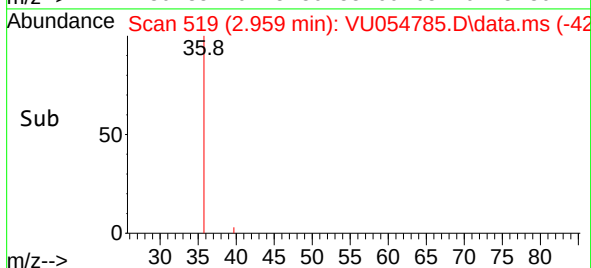
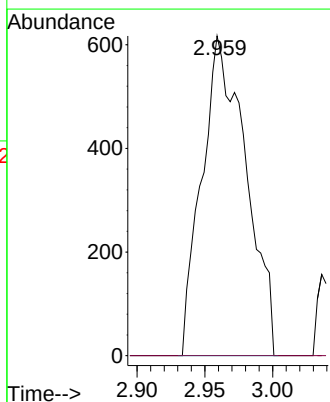
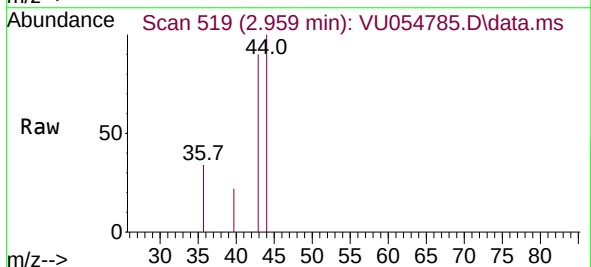
Manual Integrations
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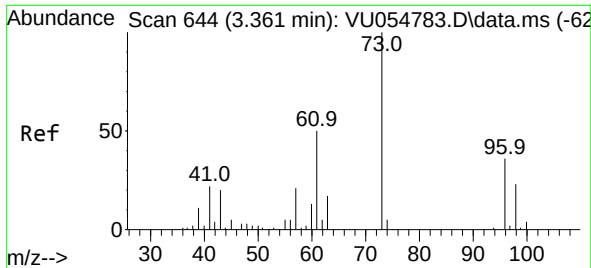
Reviewed By :John Carlone 07/14/2023
Supervised By :Mahesh Dadoda 07/14/2023



#15
Methyl Acetate
Concen: 0.270 ug/L
RT: 2.959 min Scan# 519
Delta R.T. 0.007 min
Lab File: VU054785.D
Acq: 13 Jul 2023 10:41

Tgt Ion: 43 Resp: 1392
Ion Ratio Lower Upper
43 100
74 0.0 19.2 28.8





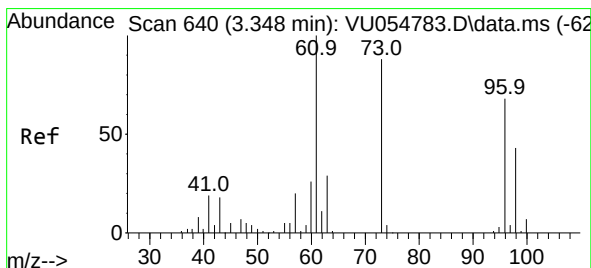
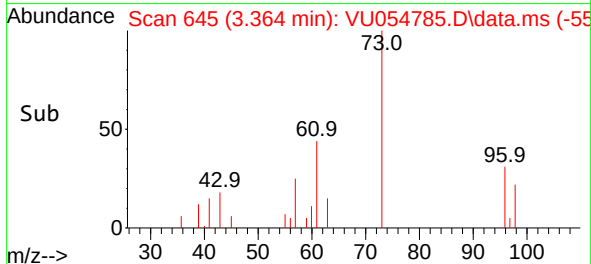
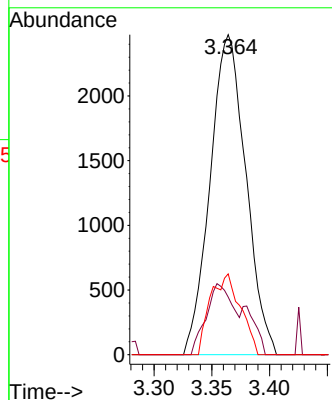
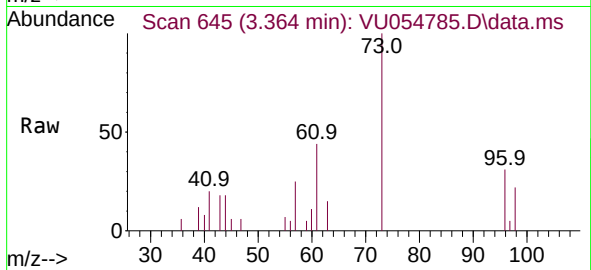
#17
Methyl tert-butyl Ether
Concen: 0.190 ug/L
RT: 3.364 min Scan# 641
Delta R.T. 0.003 min
Lab File: VU054785.D
Acq: 13 Jul 2023 10:41

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

Tgt Ion: 73 Resp: 5318
Ion Ratio Lower Upper
73 100
43 16.9 16.9 25.3
57 21.4 18.9 28.3

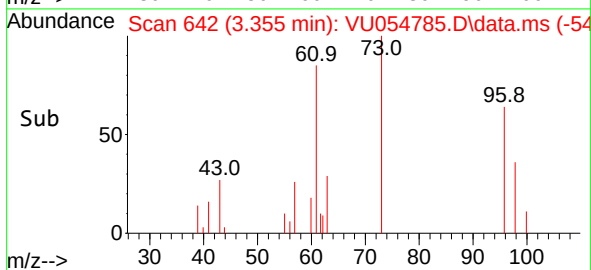
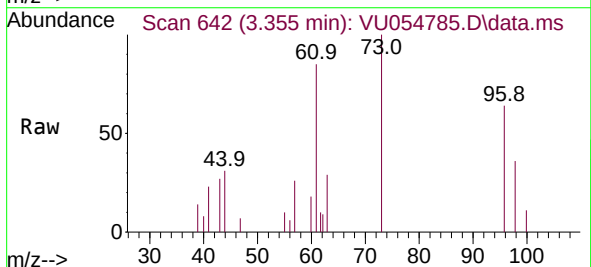
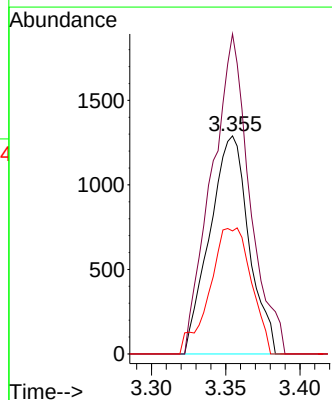
Manual Integrations
APPROVED

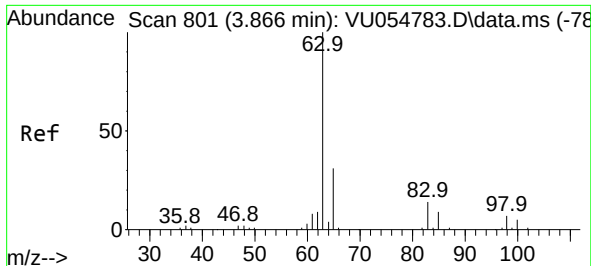
Reviewed By :John Carlone 07/14/2023
Supervised By :Mahesh Dadoda 07/14/2023



#18
trans-1,2-Dichloroethene
Concen: 0.193 ug/L
RT: 3.355 min Scan# 642
Delta R.T. 0.007 min
Lab File: VU054785.D
Acq: 13 Jul 2023 10:41

Tgt Ion: 96 Resp: 2367
Ion Ratio Lower Upper
96 100
61 146.7 101.6 188.6
98 56.4 45.6 84.6





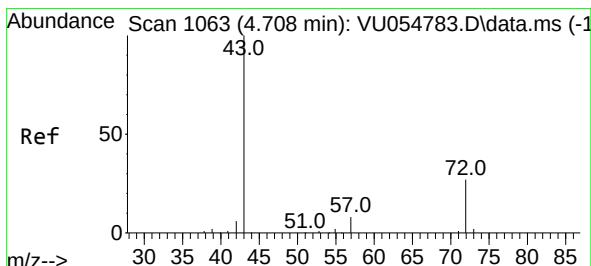
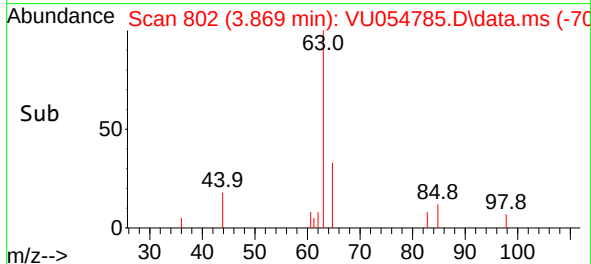
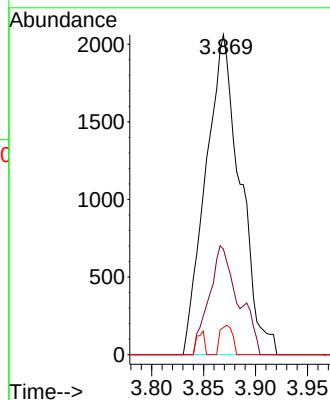
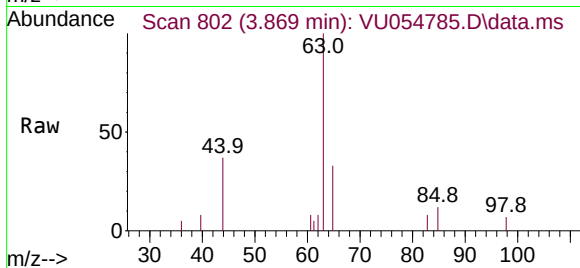
#19
1,1-Dichloroethane
Concen: 0.201 ug/L
RT: 3.869 min Scan# 801
Delta R.T. 0.003 min
Lab File: VU054785.D
Acq: 13 Jul 2023 10:41

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

Tgt Ion: 63 Resp: 476
Ion Ratio Lower Upper
63 100
65 33.0 24.2 45.0
83 8.5 10.4 19.2

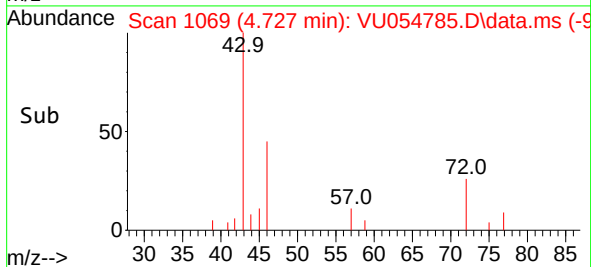
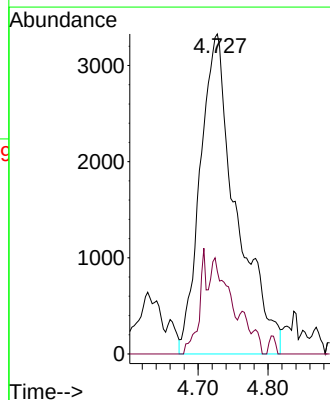
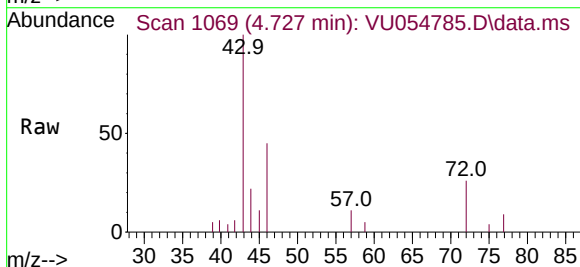
Manual Integrations
APPROVED

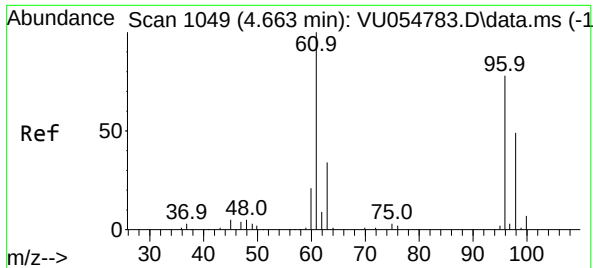
Reviewed By :John Carlone 07/14/2023
Supervised By :Mahesh Dadoda 07/14/2023



#21
2-Butanone
Concen: 3.820 ug/L m
RT: 4.727 min Scan# 1069
Delta R.T. 0.019 min
Lab File: VU054785.D
Acq: 13 Jul 2023 10:41

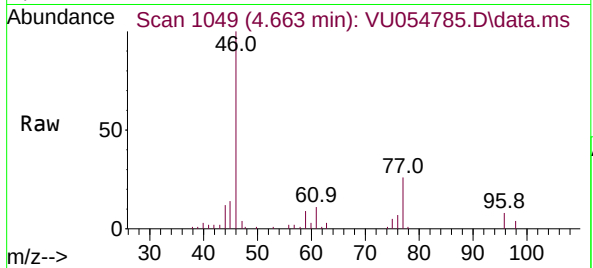
Tgt Ion: 43 Resp: 11984
Ion Ratio Lower Upper
43 100
72 12.0 14.4 43.4#





#22
 cis-1,2-Dichloroethene
 Concen: 0.194 ug/L
 RT: 4.663 min Scan# 1049
 Delta R.T. 0.000 min
 Lab File: VU054785.D
 Acq: 13 Jul 2023 10:41

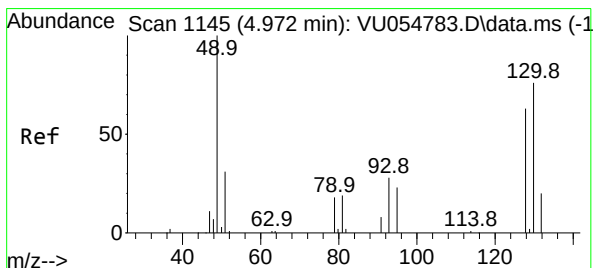
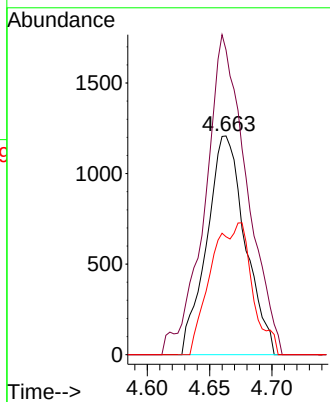
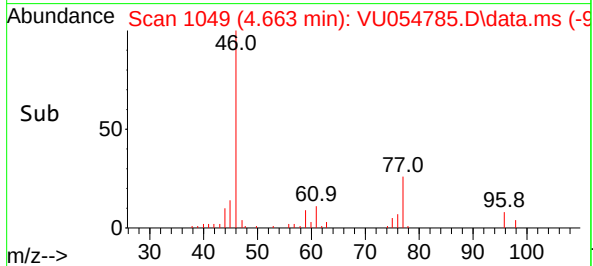
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-QT3-2023-06



Tgt Ion: 96 Resp: 258
 Ion Ratio Lower Upper
 96 100
 61 139.2 93.0 172.8
 98 53.9 44.0 81.8

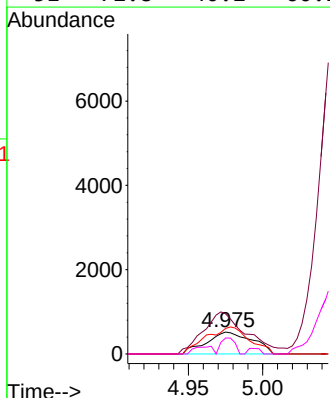
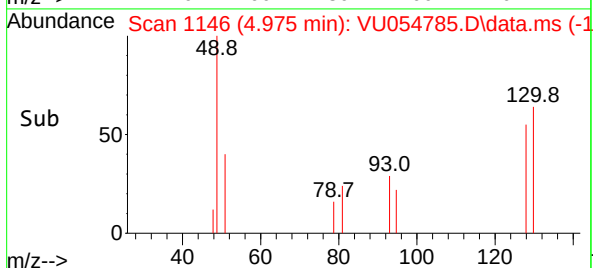
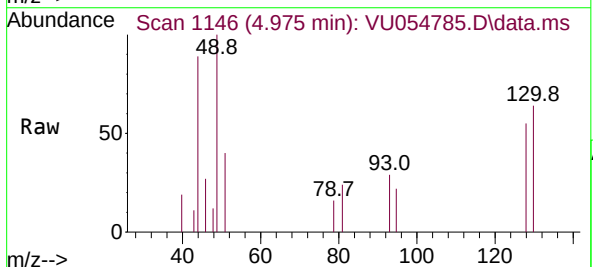
Manual Integrations
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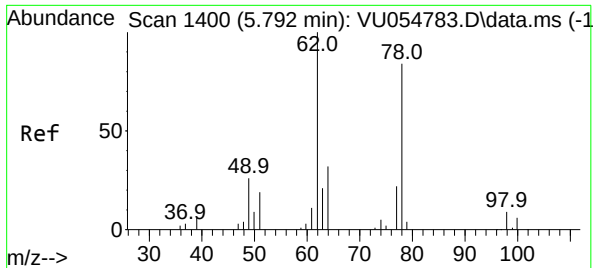
Reviewed By :John Carlone 07/14/2023
 Supervised By :Mahesh Dadoda 07/14/2023



#23
 Bromochloromethane
 Concen: 0.187 ug/L
 RT: 4.975 min Scan# 1146
 Delta R.T. 0.003 min
 Lab File: VU054785.D
 Acq: 13 Jul 2023 10:41

Tgt Ion:128 Resp: 1110
 Ion Ratio Lower Upper
 128 100
 49 182.9 113.5 210.7
 130 117.3 98.0 182.0
 51 72.8 40.2 60.2#





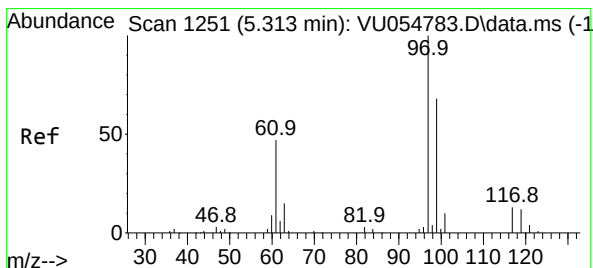
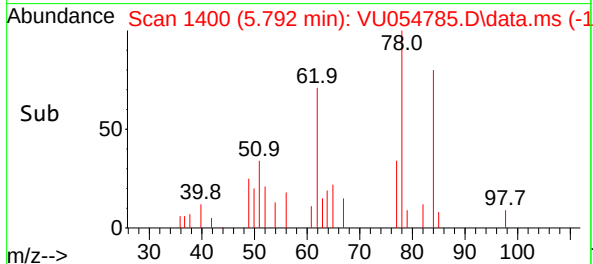
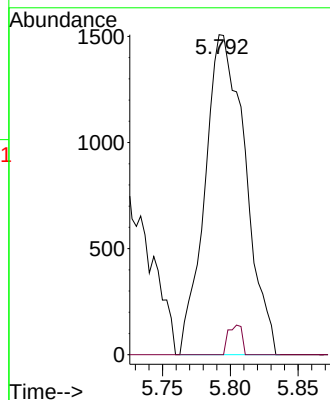
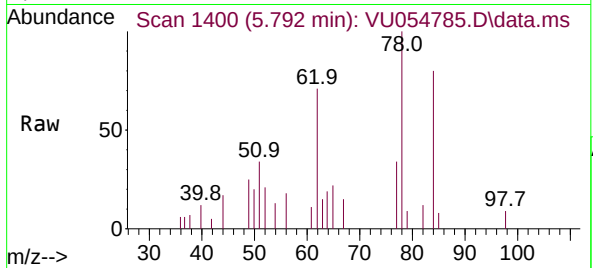
#27
1,2-Dichloroethane
Concen: 0.195 ug/L
RT: 5.792 min Scan# 1400
Delta R.T. 0.000 min
Lab File: VU054785.D
Acq: 13 Jul 2023 10:41

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

Tgt Ion: 62 Resp: 3129
Ion Ratio Lower Upper
62 100
98 0.0 7.7 11.5

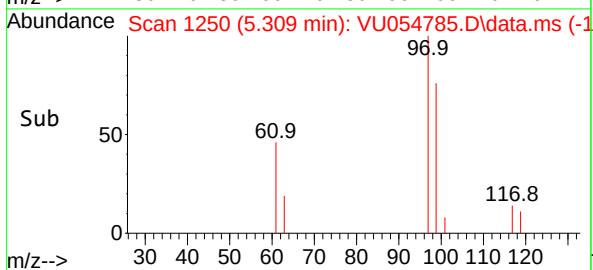
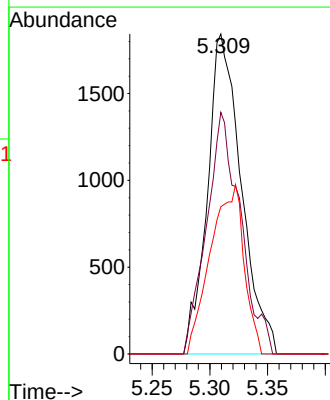
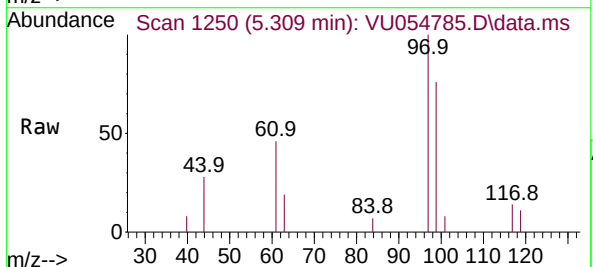
Manual Integrations
APPROVED

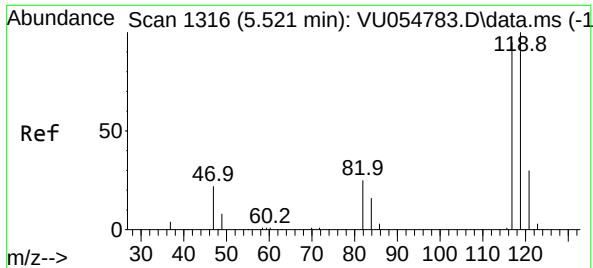
Reviewed By :John Carlone 07/14/2023
Supervised By :Mahesh Dadoda 07/14/2023



#29
1,1,1-Trichloroethane
Concen: 0.174 ug/L
RT: 5.309 min Scan# 1250
Delta R.T. -0.003 min
Lab File: VU054785.D
Acq: 13 Jul 2023 10:41

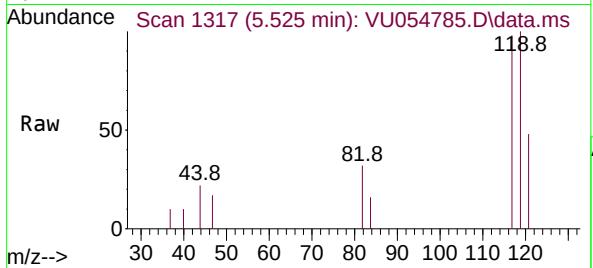
Tgt Ion: 97 Resp: 3758
Ion Ratio Lower Upper
97 100
99 75.7 51.7 77.5
61 52.3 37.0 55.4





#31
Carbon tetrachloride
Concen: 0.179 ug/L
RT: 5.525 min Scan# 1316
Delta R.T. 0.003 min
Lab File: VU054785.D
Acq: 13 Jul 2023 10:41

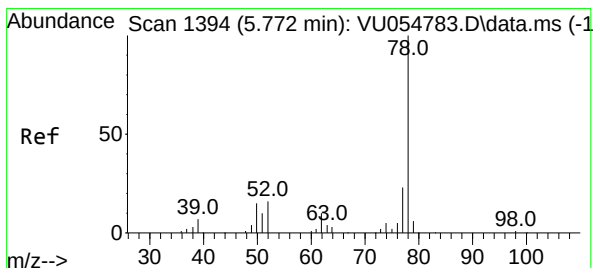
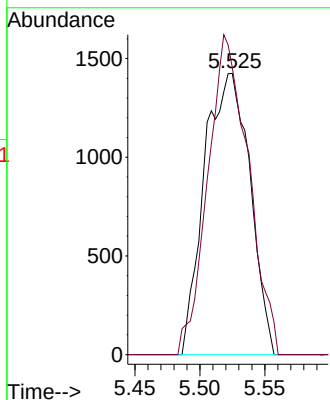
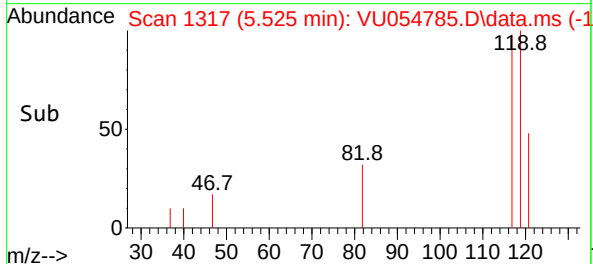
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT3-2023-06



Tgt Ion:117 Resp: 346
Ion Ratio Lower Upper
117 100
119 101.4 77.5 116.3

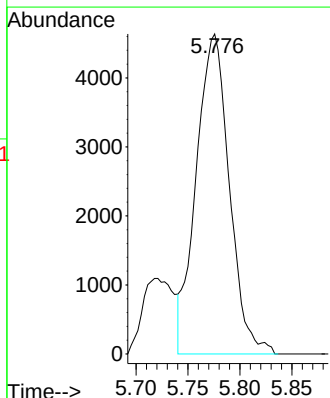
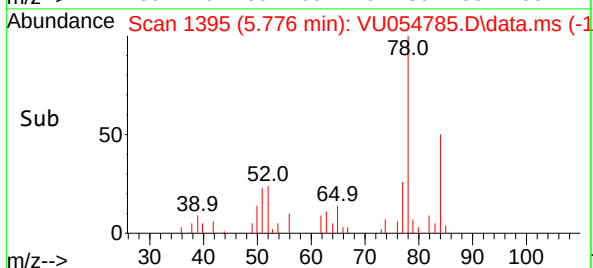
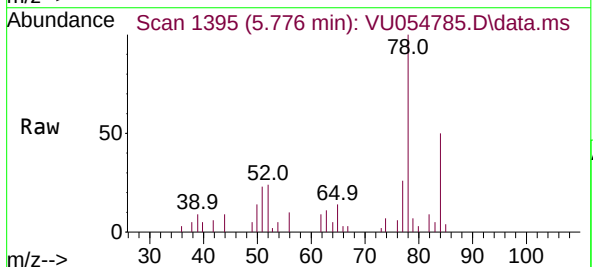
Manual Integrations
APPROVED

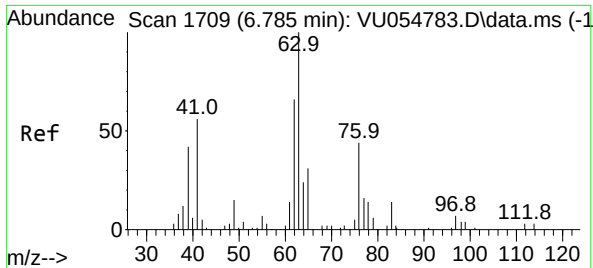
Reviewed By :John Carlone 07/14/2023
Supervised By :Mahesh Dadoda 07/14/2023



#33
Benzene
Concen: 0.204 ug/L
RT: 5.776 min Scan# 1395
Delta R.T. 0.003 min
Lab File: VU054785.D
Acq: 13 Jul 2023 10:41

Tgt Ion: 78 Resp: 10278





#37

1,2-Dichloropropane

Concen: 0.207 ug/L

RT: 6.785 min Scan# 1709

Delta R.T. 0.000 min

Lab File: VU054785.D

Acq: 13 Jul 2023 10:41

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-QT3-2023-06

Tgt Ion: 63 Resp: 273

Ion Ratio Lower Upper

63 100

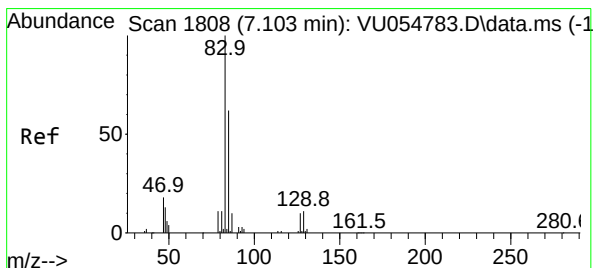
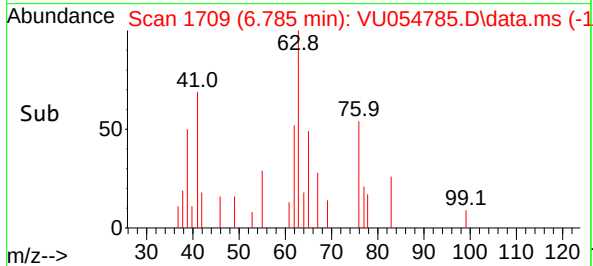
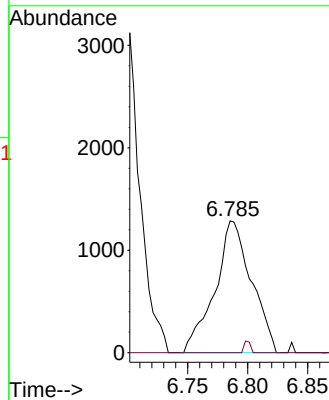
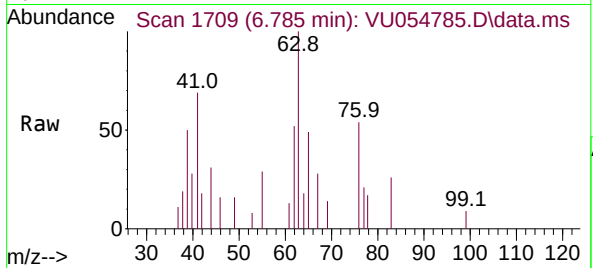
112 1.5 2.6 4.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/14/2023

Supervised By :Mahesh Dadoda 07/14/2023



#38

Bromodichloromethane

Concen: 0.199 ug/L

RT: 7.104 min Scan# 1808

Delta R.T. 0.000 min

Lab File: VU054785.D

Acq: 13 Jul 2023 10:41

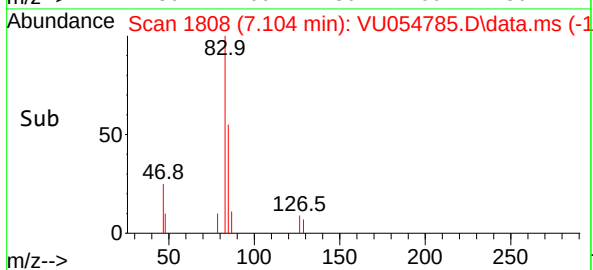
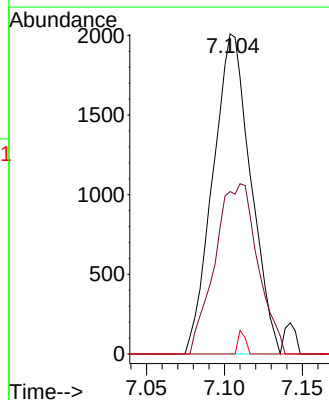
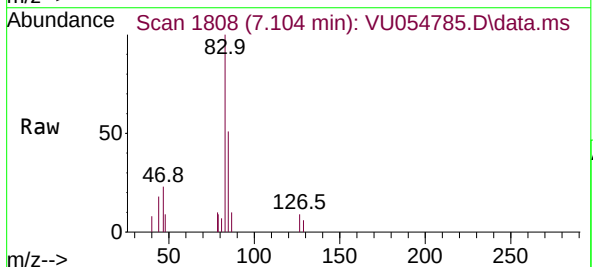
Tgt Ion: 83 Resp: 3390

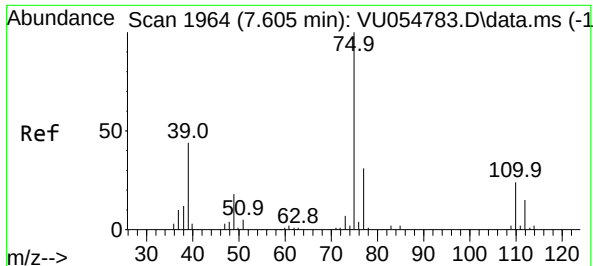
Ion Ratio Lower Upper

83 100

85 50.8 46.7 86.7

127 0.0 6.8 10.2





#39

cis-1,3-Dichloropropene

Concen: 0.187 ug/L

RT: 7.608 min Scan# 1964

Delta R.T. 0.003 min

Lab File: VU054785.D

Acq: 13 Jul 2023 10:41

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-QT3-2023-06

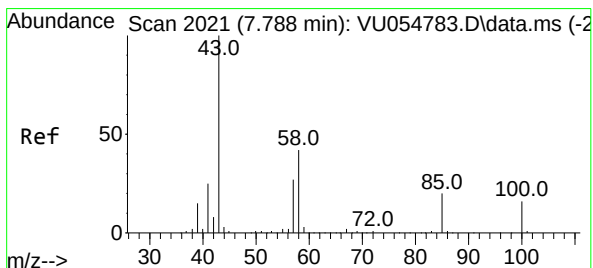
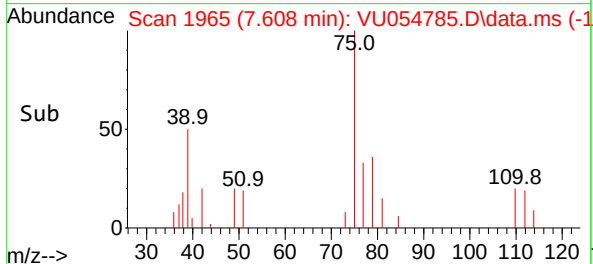
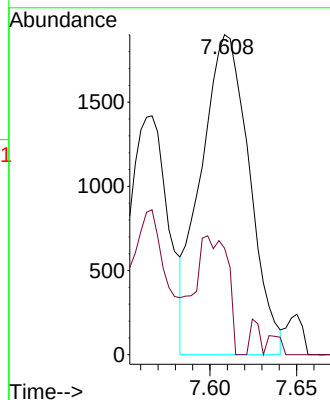
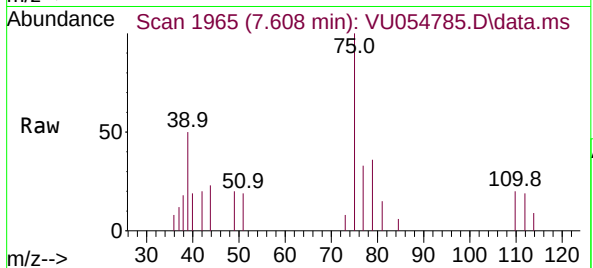
Tgt Ion: 75 Resp: 3692
 Ion Ratio Lower Upper
 75 100
 77 33.3 21.3 39.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/14/2023

Supervised By :Mahesh Dadoda 07/14/2023



#40

4-Methyl-2-pentanone

Concen: 1.802 ug/L

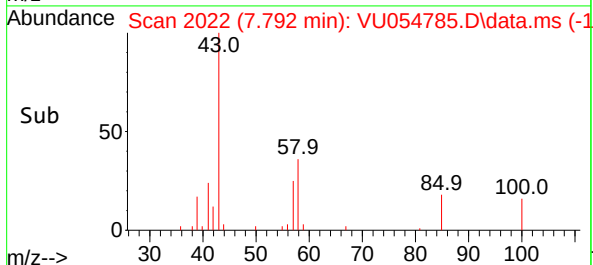
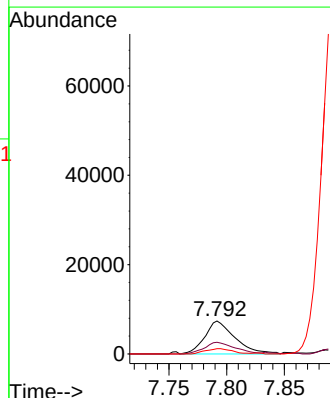
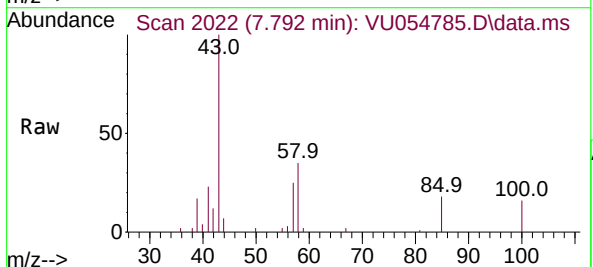
RT: 7.792 min Scan# 2022

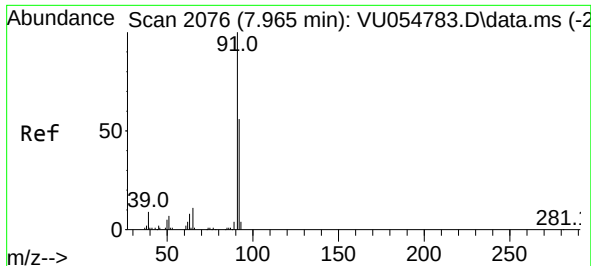
Delta R.T. 0.003 min

Lab File: VU054785.D

Acq: 13 Jul 2023 10:41

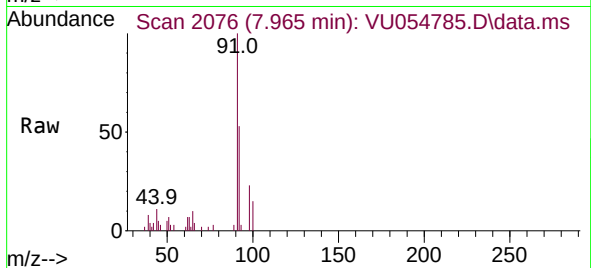
Tgt Ion: 43 Resp: 13365
 Ion Ratio Lower Upper
 43 100
 58 36.2 32.6 48.8
 100 0.0 12.5 18.7#





#42
Toluene
Concen: 0.196 ug/L
RT: 7.965 min Scan# 2076
Delta R.T. 0.000 min
Lab File: VU054785.D
Acq: 13 Jul 2023 10:41

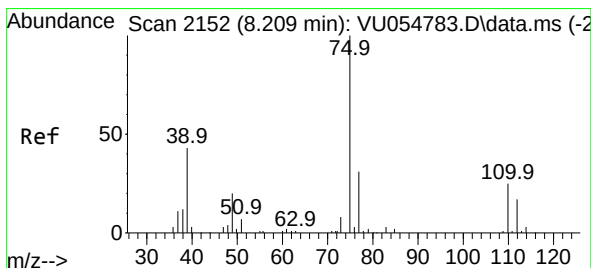
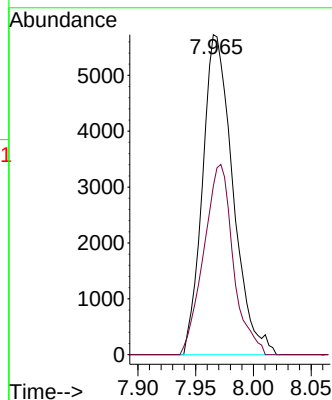
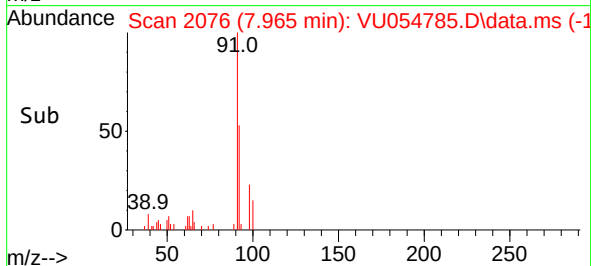
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT3-2023-06



Tgt Ion: 91 Resp: 10484
Ion Ratio Lower Upper
91 100
92 52.7 39.1 72.5

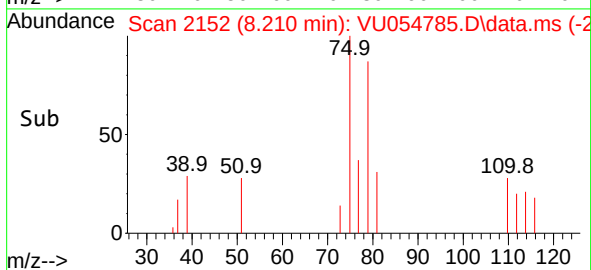
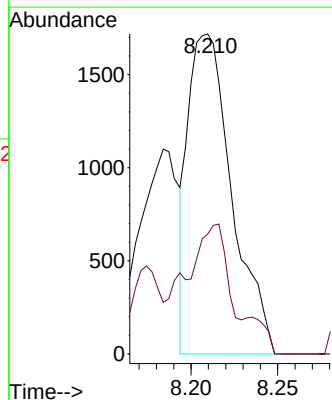
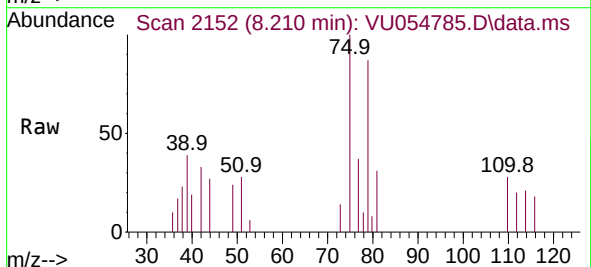
Manual Integrations
APPROVED

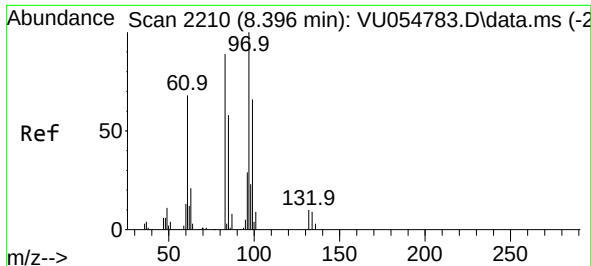
Reviewed By :John Carlone 07/14/2023
Supervised By :Mahesh Dadoda 07/14/2023



#44
trans-1,3-Dichloropropene
Concen: 0.177 ug/L
RT: 8.210 min Scan# 2152
Delta R.T. 0.000 min
Lab File: VU054785.D
Acq: 13 Jul 2023 10:41

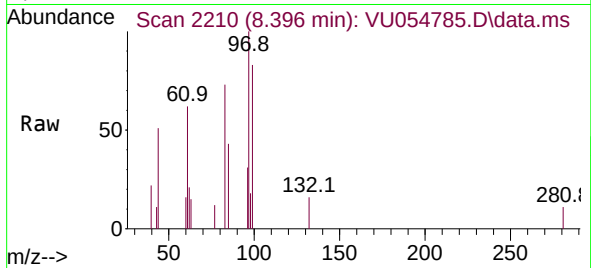
Tgt Ion: 75 Resp: 3025
Ion Ratio Lower Upper
75 100
77 37.4 20.2 37.6





#45
1,1,2-Trichloroethane
Concen: 0.188 ug/L
RT: 8.396 min Scan# 2210
Delta R.T. 0.000 min
Lab File: VU054785.D
Acq: 13 Jul 2023 10:41

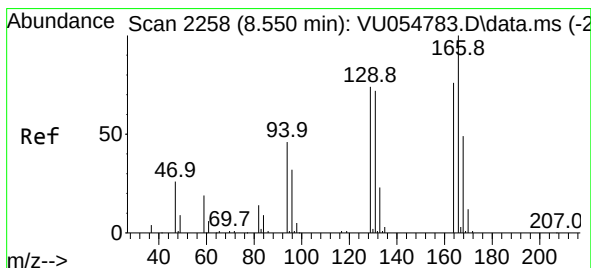
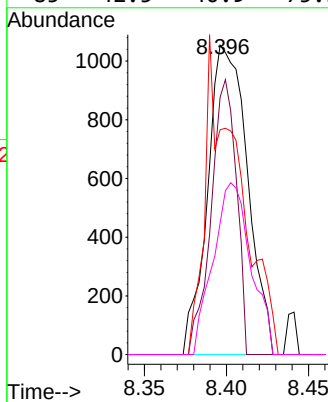
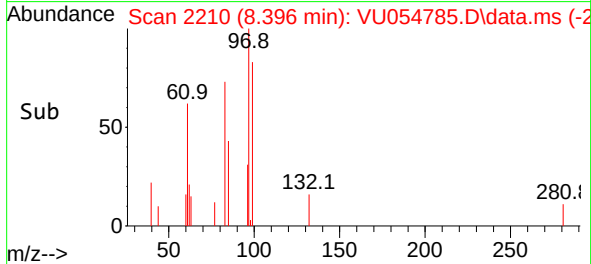
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT3-2023-06



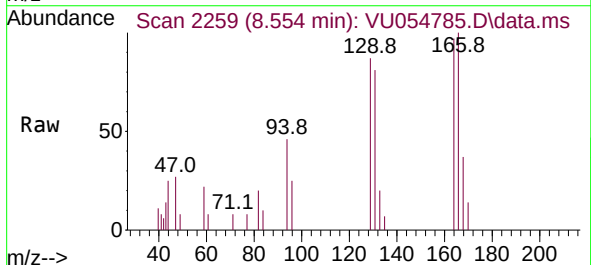
Tgt Ion: 97 Resp: 1784
Ion Ratio Lower Upper
97 100
99 83.2 44.7 83.1
83 72.7 65.2 121.0
85 42.5 40.9 75.9

Manual Integrations
APPROVED

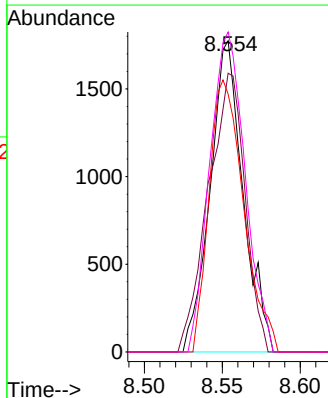
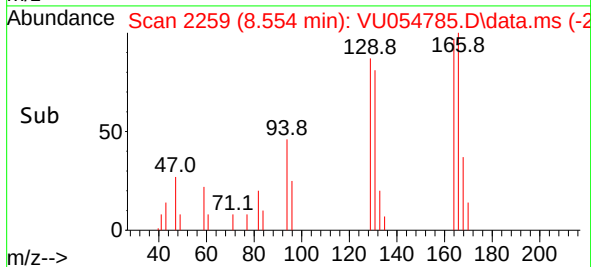
Reviewed By :John Carlone 07/14/2023
Supervised By :Mahesh Dadoda 07/14/2023

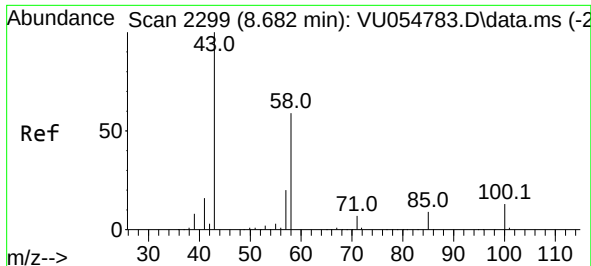


#47
Tetrachloroethene
Concen: 0.228 ug/L
RT: 8.554 min Scan# 2259
Delta R.T. 0.003 min
Lab File: VU054785.D
Acq: 13 Jul 2023 10:41



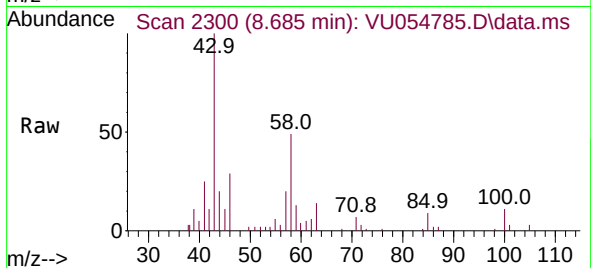
Tgt Ion:164 Resp: 2610
Ion Ratio Lower Upper
164 100
129 89.6 66.6 123.8
131 82.9 61.5 114.3
166 102.8 88.3 163.9





#48
2-Hexanone
Concen: 3.897 ug/L
RT: 8.685 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU054785.D
Acq: 13 Jul 2023 10:41

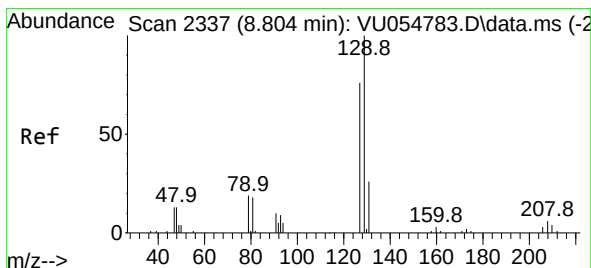
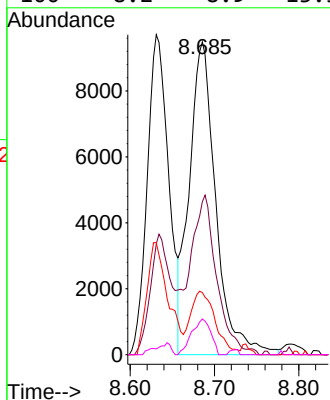
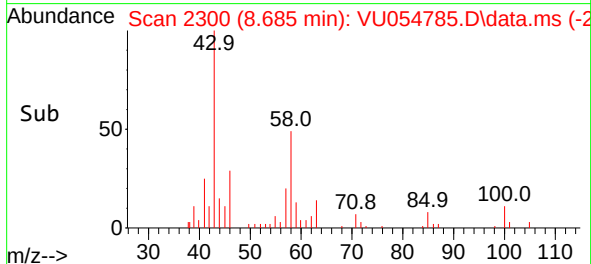
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT3-2023-06



Tgt Ion: 43 Resp: 2081
Ion Ratio Lower Upper
43 100
58 48.0 45.2 67.8
57 18.8 15.7 23.5
100 8.2 8.9 13.3#

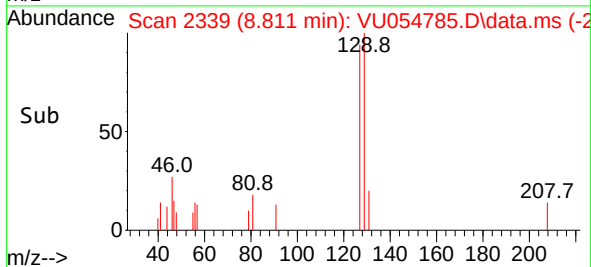
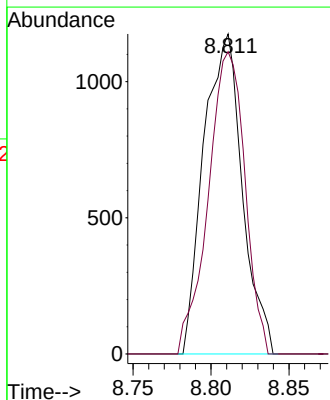
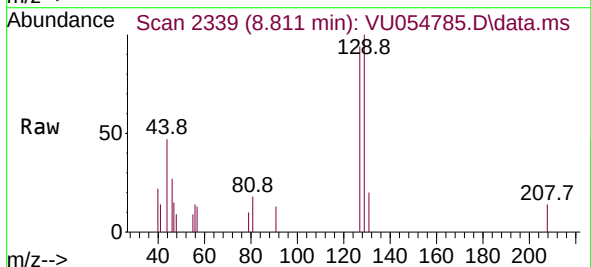
Manual Integrations
APPROVED

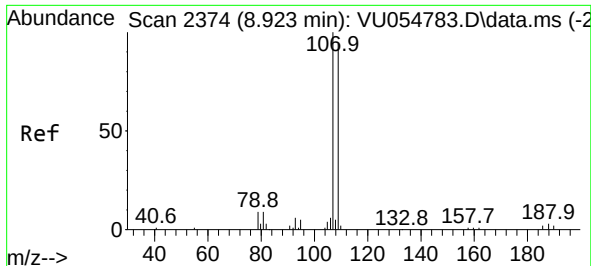
Reviewed By :John Carlone 07/14/2023
Supervised By :Mahesh Dadoda 07/14/2023



#49
Dibromochloromethane
Concen: 0.183 ug/L
RT: 8.811 min Scan# 2339
Delta R.T. 0.007 min
Lab File: VU054785.D
Acq: 13 Jul 2023 10:41

Tgt Ion:129 Resp: 2019
Ion Ratio Lower Upper
129 100
127 94.5 55.6 103.4





#50

1,2-Dibromoethane

Concen: 0.171 ug/L

RT: 8.927 min Scan# 21

Delta R.T. 0.003 min

Lab File: VU054785.D

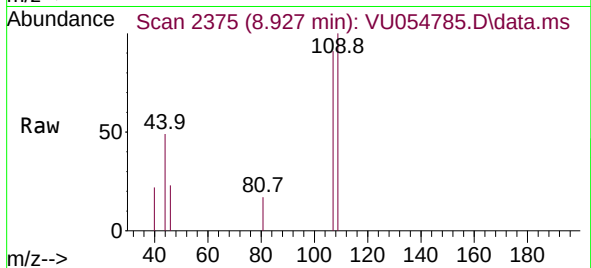
Acq: 13 Jul 2023 10:41

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-QT3-2023-06



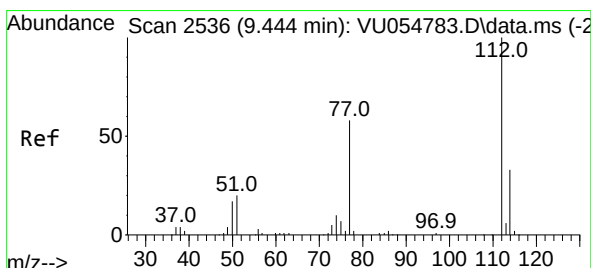
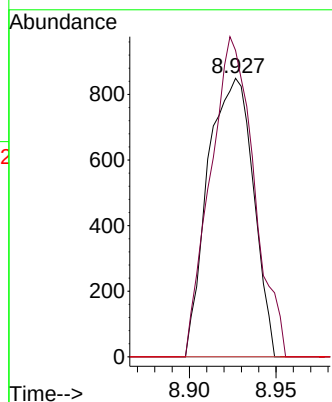
Tgt Ion:	107	Resp:	1550
Ion	Ratio	Lower	Upper
107	100		
109	110.0	66.5	123.5
188	0.0	3.3	4.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/14/2023

Supervised By :Mahesh Dadoda 07/14/2023



#51

Chlorobenzene

Concen: 0.194 ug/L

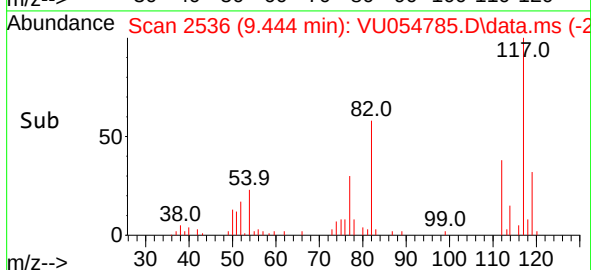
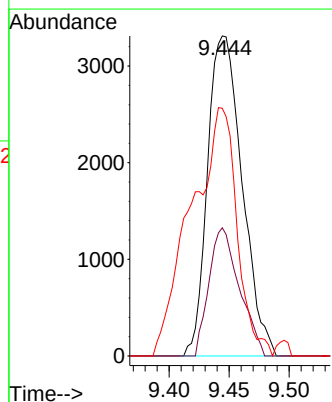
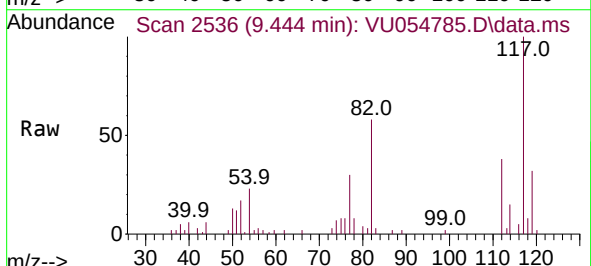
RT: 9.444 min Scan# 2536

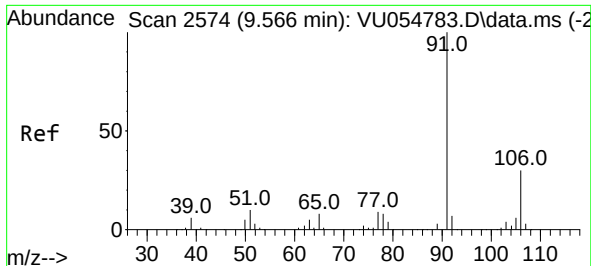
Delta R.T. 0.000 min

Lab File: VU054785.D

Acq: 13 Jul 2023 10:41

Tgt Ion:	112	Resp:	6649
Ion	Ratio	Lower	Upper
112	100		
114	40.1	22.9	42.5
77	77.4	47.3	70.9





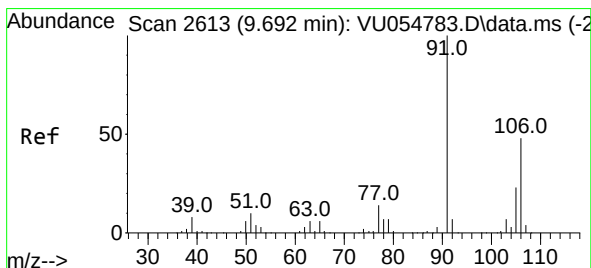
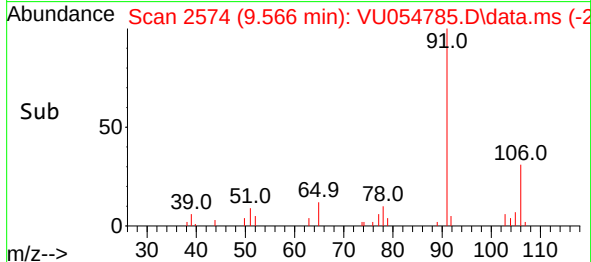
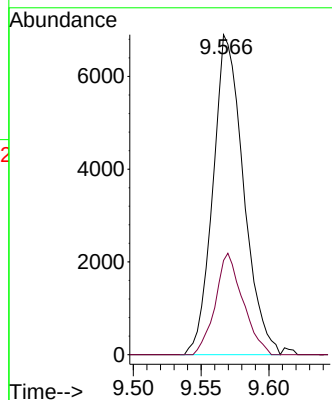
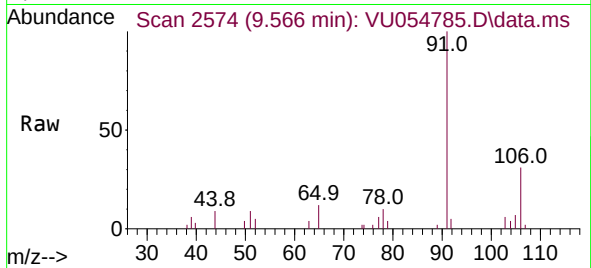
#52
Ethylbenzene
Concen: 0.189 ug/L
RT: 9.566 min Scan# 2100
Delta R.T. 0.000 min
Lab File: VU054785.D
Acq: 13 Jul 2023 10:41

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

Tgt Ion: 91 Resp: 1080
Ion Ratio Lower Upper
91 100
106 29.4 21.6 40.0

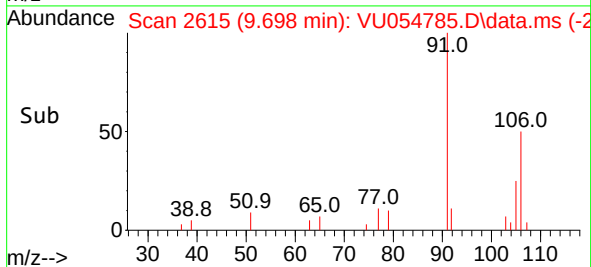
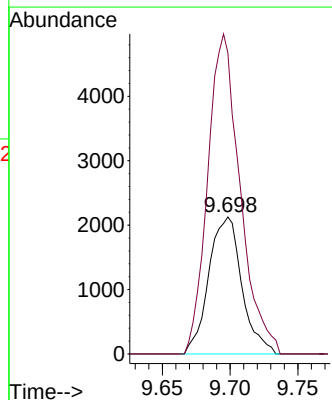
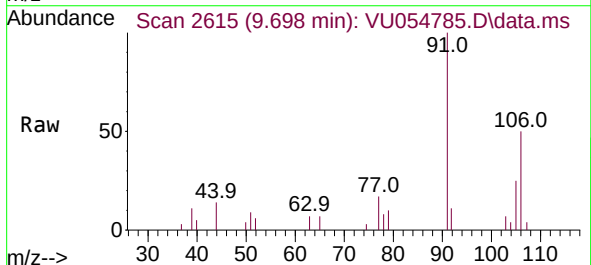
Manual Integrations
APPROVED

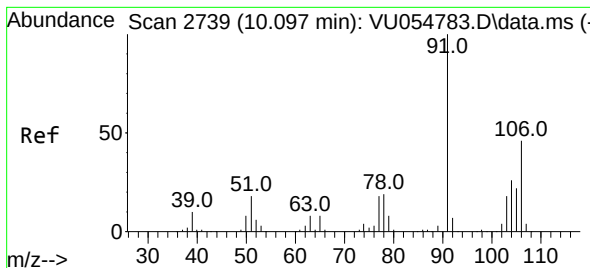
Reviewed By :John Carlone 07/14/2023
Supervised By :Mahesh Dadoda 07/14/2023



#53
m,p-Xylene
Concen: 0.165 ug/L
RT: 9.698 min Scan# 2615
Delta R.T. 0.007 min
Lab File: VU054785.D
Acq: 13 Jul 2023 10:41

Tgt Ion:106 Resp: 3607
Ion Ratio Lower Upper
106 100
91 219.9 148.8 276.4





#54

o-Xylene

Concen: 0.172 ug/L

RT: 10.100 min Scan# 2739

Delta R.T. 0.003 min

Lab File: VU054785.D

Acq: 13 Jul 2023 10:41

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-QT3-2023-06

Tgt Ion:106 Resp: 351

Ion Ratio Lower Upper

106 100

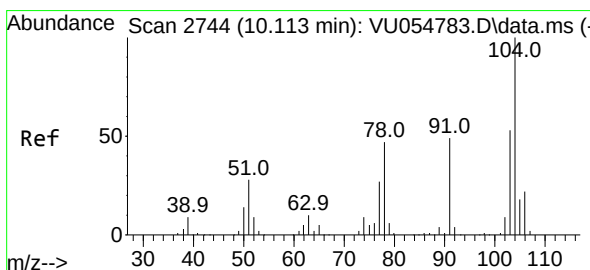
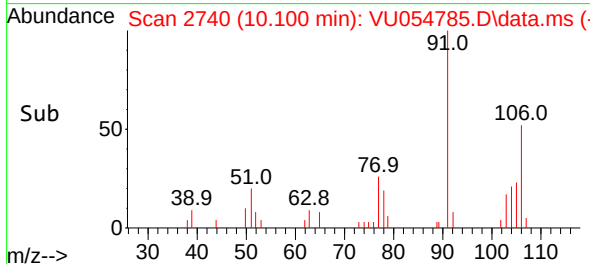
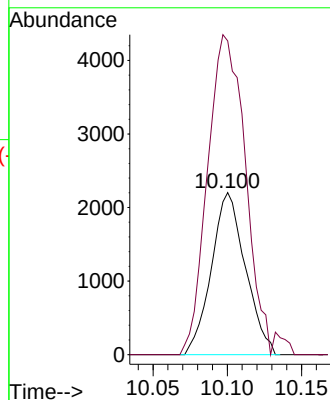
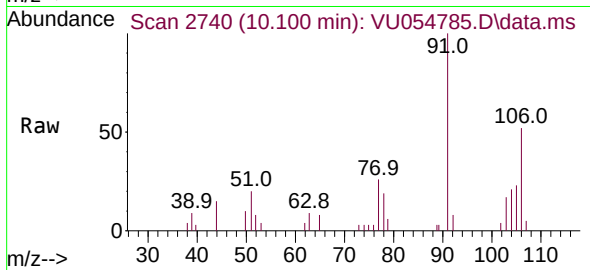
91 193.6 156.8 291.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/14/2023

Supervised By :Mahesh Dadoda 07/14/2023



#55

Styrene

Concen: 0.167 ug/L

RT: 10.120 min Scan# 2746

Delta R.T. 0.007 min

Lab File: VU054785.D

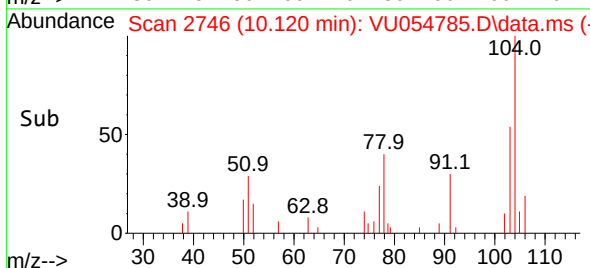
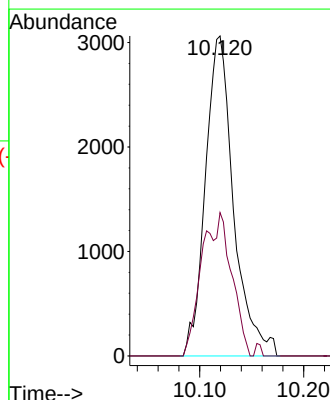
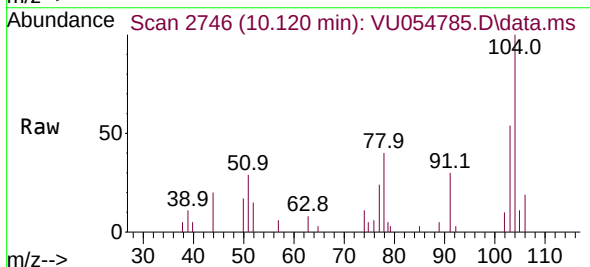
Acq: 13 Jul 2023 10:41

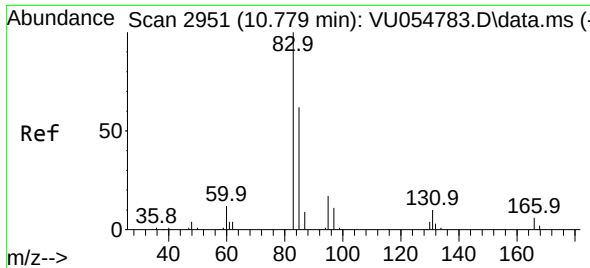
Tgt Ion:104 Resp: 5766

Ion Ratio Lower Upper

104 100

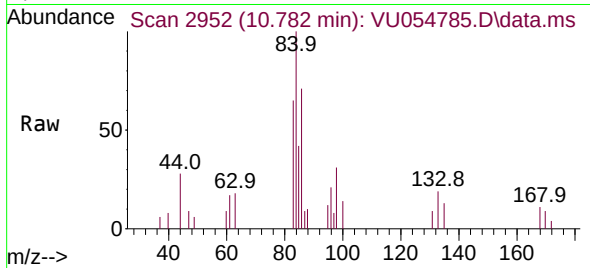
78 44.8 32.5 60.3





#57
1,1,2,2-Tetrachloroethane
Concen: 0.196 ug/L
RT: 10.782 min Scan# 2952
Delta R.T. 0.003 min
Lab File: VU054785.D
Acq: 13 Jul 2023 10:41

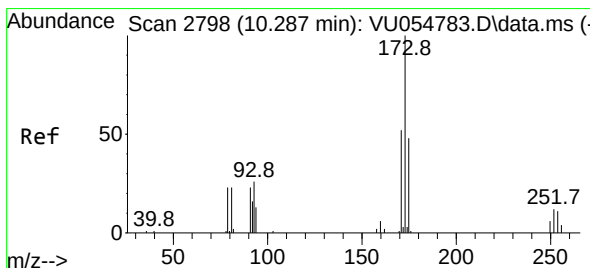
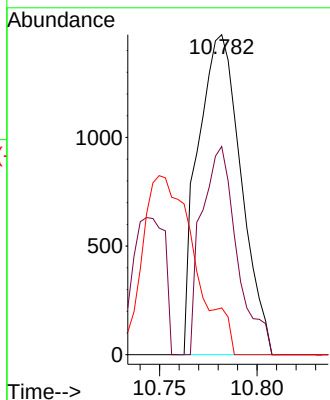
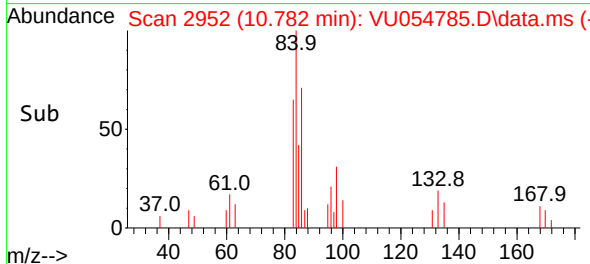
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT3-2023-06



Tgt Ion: 83 Resp: 226
Ion Ratio Lower Upper
83 100
85 65.0 45.5 84.5
131 14.6 8.6 13.0

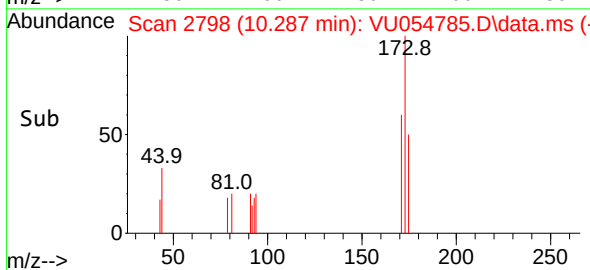
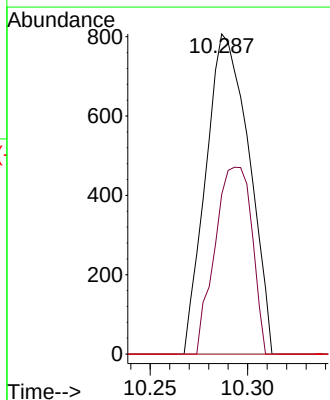
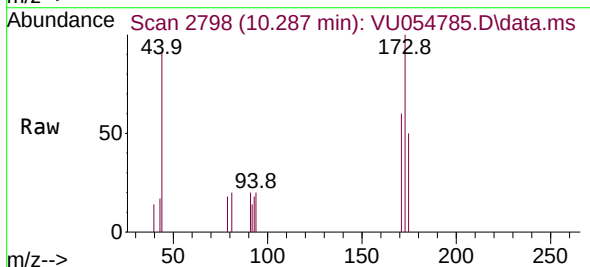
Manual Integrations
APPROVED

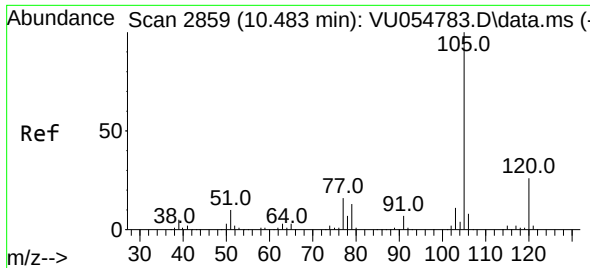
Reviewed By :John Carlone 07/14/2023
Supervised By :Mahesh Dadoda 07/14/2023



#59
Bromoform
Concen: 0.192 ug/L
RT: 10.287 min Scan# 2798
Delta R.T. 0.000 min
Lab File: VU054785.D
Acq: 13 Jul 2023 10:41

Tgt Ion:173 Resp: 1240
Ion Ratio Lower Upper
173 100
175 50.1 38.1 57.1
254 0.0 7.8 11.6





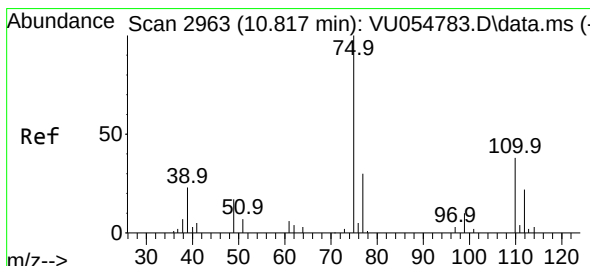
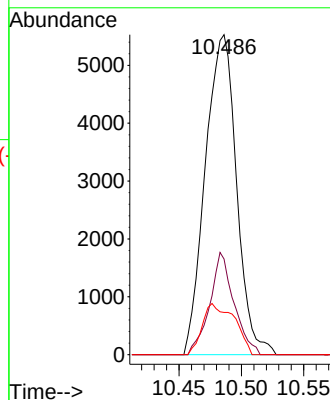
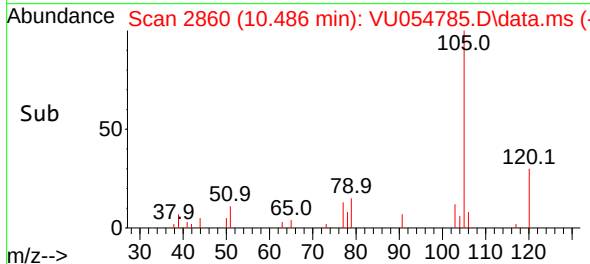
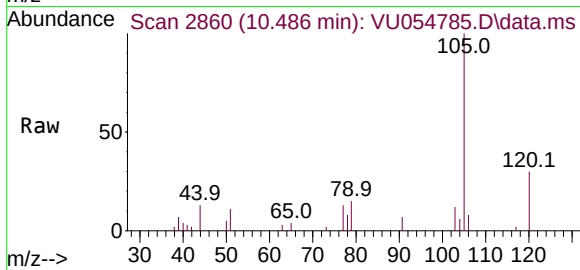
#60
Isopropylbenzene
Concen: 0.188 ug/L
RT: 10.486 min Scan# 2859
Delta R.T. 0.003 min
Lab File: VU054785.D
Acq: 13 Jul 2023 10:41

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

Tgt Ion:105 Resp: 964
Ion Ratio Lower Upper
105 100
120 24.8 20.8 31.2
77 16.4 13.2 19.8

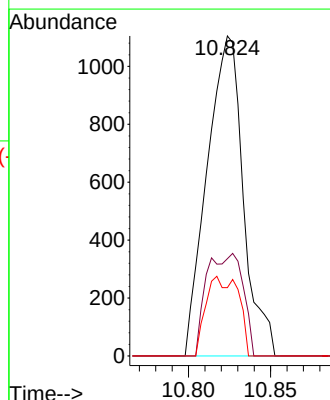
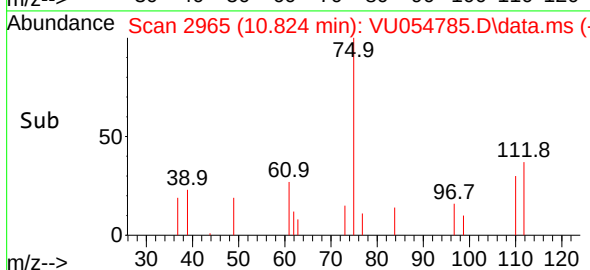
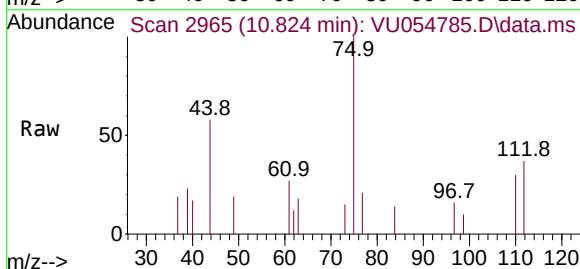
Manual Integrations
APPROVED

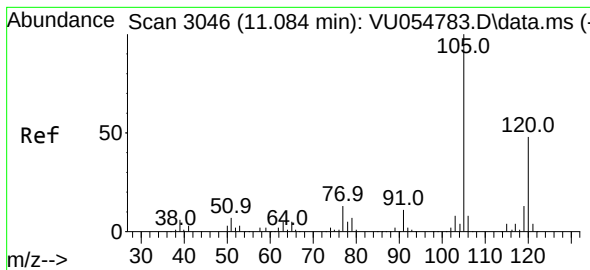
Reviewed By :John Carlone 07/14/2023
Supervised By :Mahesh Dadoda 07/14/2023



#61
1,2,3-Trichloropropane
Concen: 0.210 ug/L
RT: 10.824 min Scan# 2965
Delta R.T. 0.007 min
Lab File: VU054785.D
Acq: 13 Jul 2023 10:41

Tgt Ion: 75 Resp: 1693
Ion Ratio Lower Upper
75 100
110 32.1 29.8 44.6
77 22.2 26.6 39.8#





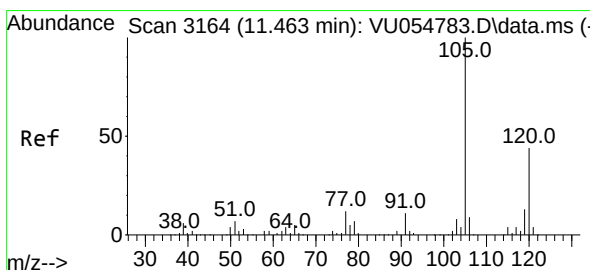
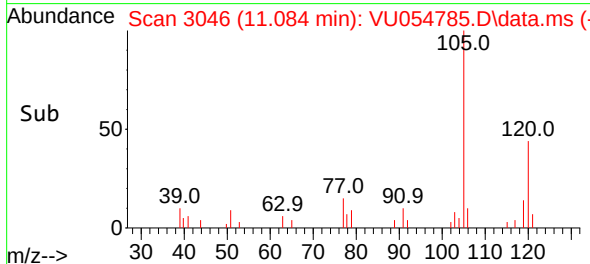
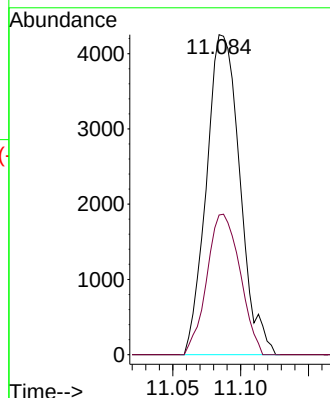
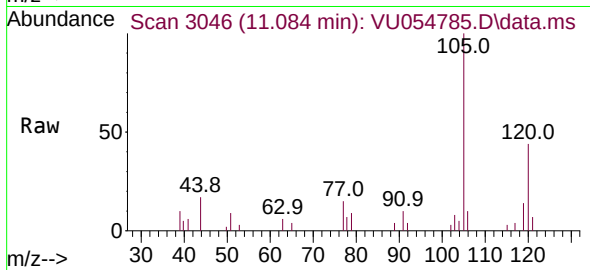
#62
1,3,5-Trimethylbenzene
Concen: 0.171 ug/L
RT: 11.084 min Scan# 3046
Delta R.T. 0.000 min
Lab File: VU054785.D
Acq: 13 Jul 2023 10:41

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

Tgt Ion:105 Resp: 7290
Ion Ratio Lower Upper
105 100
120 43.5 38.6 58.0

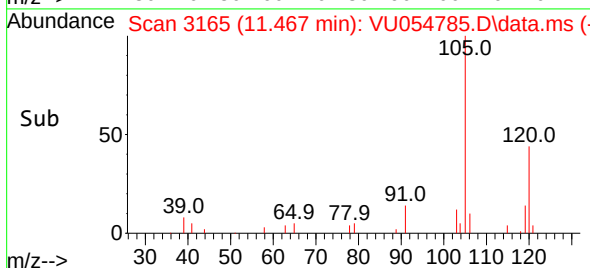
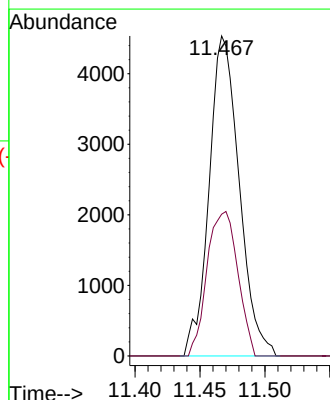
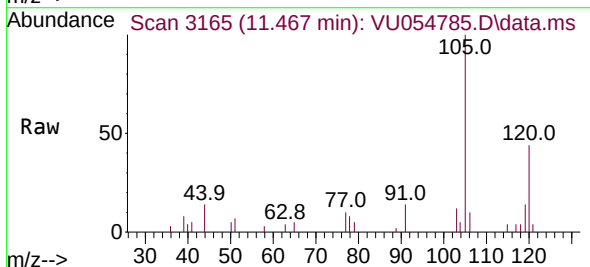
Manual Integrations
APPROVED

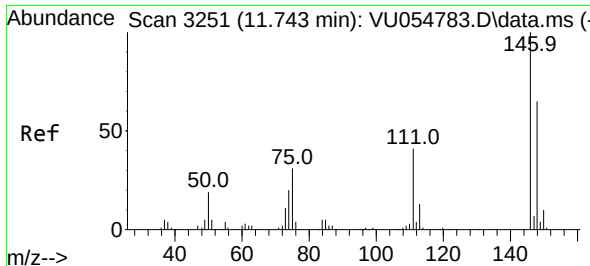
Reviewed By :John Carlone 07/14/2023
Supervised By :Mahesh Dadoda 07/14/2023



#63
1,2,4-Trimethylbenzene
Concen: 0.180 ug/L
RT: 11.467 min Scan# 3165
Delta R.T. 0.003 min
Lab File: VU054785.D
Acq: 13 Jul 2023 10:41

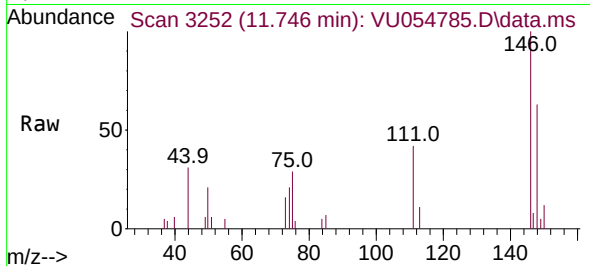
Tgt Ion:105 Resp: 7318
Ion Ratio Lower Upper
105 100
120 45.8 35.2 52.8





#64
1,3-Dichlorobenzene
Concen: 0.202 ug/L
RT: 11.746 min Scan# 31
Delta R.T. 0.003 min
Lab File: VU054785.D
Acq: 13 Jul 2023 10:41

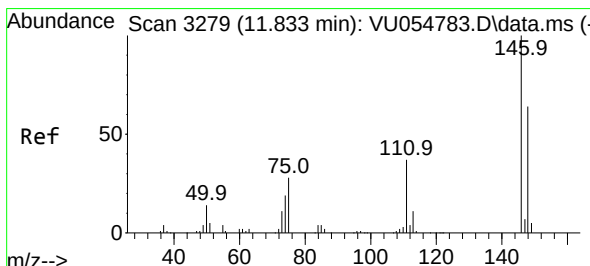
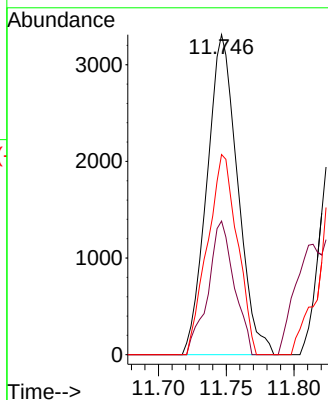
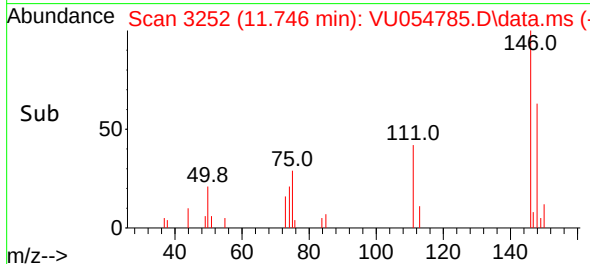
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT3-2023-06



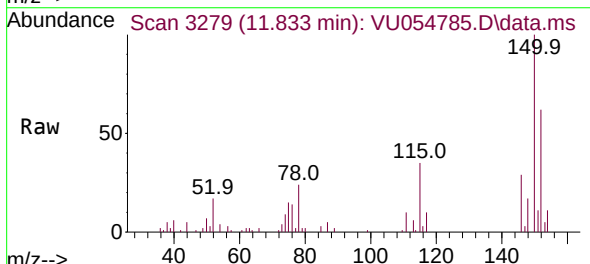
Tgt Ion:146 Resp: 5204
Ion Ratio Lower Upper
146 100
111 41.8 27.5 51.1
148 62.6 45.5 84.5

Manual Integrations
APPROVED

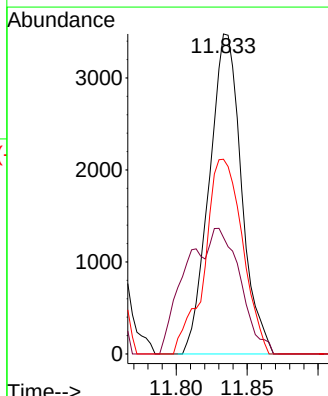
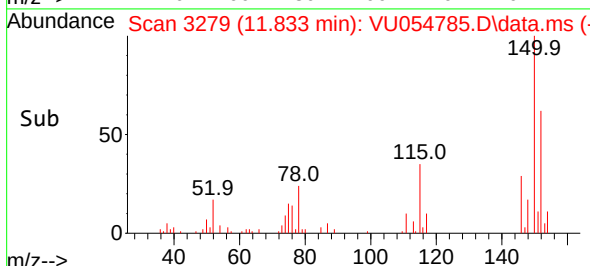
Reviewed By :John Carlone 07/14/2023
Supervised By :Mahesh Dadoda 07/14/2023

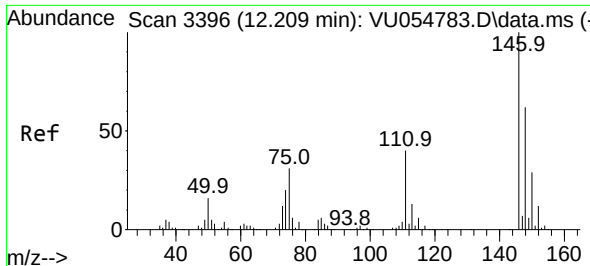


#65
1,4-Dichlorobenzene
Concen: 0.214 ug/L
RT: 11.833 min Scan# 3279
Delta R.T. 0.000 min
Lab File: VU054785.D
Acq: 13 Jul 2023 10:41



Tgt Ion:146 Resp: 5501
Ion Ratio Lower Upper
146 100
111 36.4 25.7 47.7
148 60.8 43.7 81.1





#67

1,2-Dichlorobenzene

Concen: 0.218 ug/L

RT: 12.209 min Scan# 3111

Delta R.T. 0.000 min

Lab File: VU054785.D

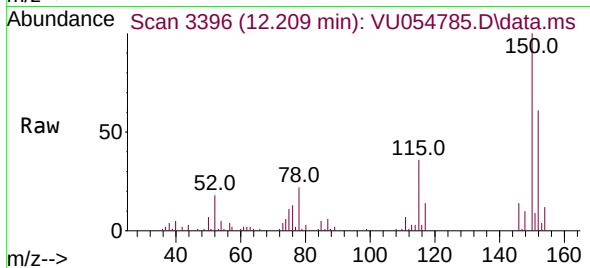
Acq: 13 Jul 2023 10:41

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-QT3-2023-06



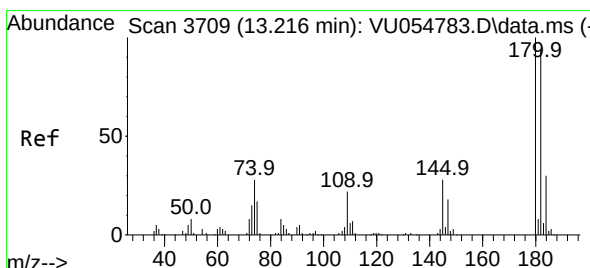
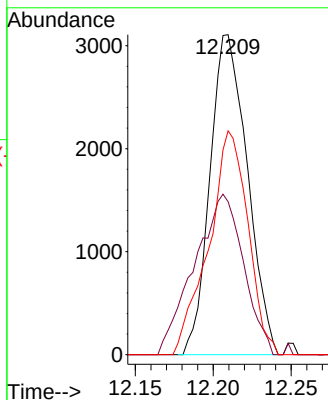
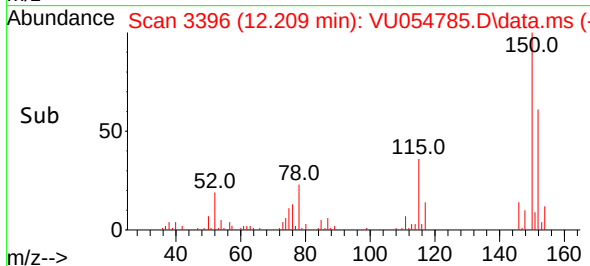
Tgt Ion:	146	Resp:	5178
Ion Ratio	Lower	Upper	
146	100		
111	47.8	32.4	48.6
148	70.0	53.2	79.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/14/2023

Supervised By :Mahesh Dadoda 07/14/2023



#69

1,3,5-Trichlorobenzene

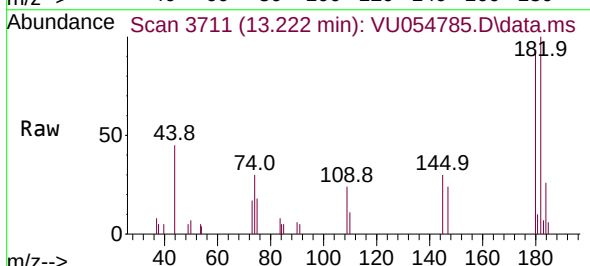
Concen: 0.205 ug/L

RT: 13.222 min Scan# 3711

Delta R.T. 0.007 min

Lab File: VU054785.D

Acq: 13 Jul 2023 10:41



Tgt Ion:	180	Resp:	3959
Ion Ratio	Lower	Upper	
180	100		
182	98.6	74.6	111.8
184	21.2	24.9	37.3#
145	28.6	23.5	35.3

