

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU061125\
 Data File : VU063386.D
 Acq On : 11 Jun 2025 16:24
 Operator : MD/SY
 Sample : Q2117-01
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-QT2-2025-03

Quant Time: Jun 12 08:31:51 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM061125WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Jun 11 13:45:27 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 06/12/2025
 Supervised By : Mahesh Dadoda 06/12/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	6.238	114	140589	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.409	117	145945	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.804	152	67112	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.592	65	52952	49.892	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	99.780%		
7) Chloroethane-d5	1.901	69	51549	49.912	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	99.820%		
11) 1,1-Dichloroethene-d2	2.554	63	73275	36.336	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	72.680%		
21) 2-Butanone-d5	4.615	46	102690	111.503	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	111.500%		
24) Chloroform-d	5.052	84	109664	48.609	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	97.220%		
26) 1,2-Dichloroethane-d4	5.692	65	71656	51.862	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	103.720%		
32) Benzene-d6	5.718	84	221632	50.210	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	100.420%		
36) 1,2-Dichloropropane-d6	6.679	67	77563	51.808	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	103.620%		
41) Toluene-d8	7.891	98	182590	47.143	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	94.280%		
43) trans-1,3-Dichloroprop...	8.174	79	29207	48.479	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	96.960%		
47) 2-Hexanone-d5	8.624	63	56332	101.345	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	101.340%		
56) 1,1,2,2-Tetrachloroeth...	10.746	84	113209	49.511	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	99.020%		
66) 1,2-Dichlorobenzene-d4	12.187	152	65751	53.547	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	107.100%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.380	85	3152	2.334	ug/L	99
3) Chloromethane	1.522	50	3719	2.437	ug/L	98
5) Vinyl chloride	1.596	62	4152	2.474	ug/L #	72
6) Bromomethane	1.846	94	2304	2.440	ug/L	84
8) Chloroethane	1.924	64	2752	2.621	ug/L	84
9) Trichlorofluoromethane	2.126	101	4693	2.375	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.563	101	3360	2.853	ug/L #	76
12) 1,1-Dichloroethene	2.567	96	3064	2.924	ug/L #	1
13) Acetone	2.621	43	3783	5.421	ug/L	98
14) Carbon disulfide	2.779	76	9553	2.761	ug/L	97
15) Methyl Acetate	2.949	43	3457	2.388	ug/L #	100
17) trans-1,2-Dichloroethene	3.348	96	2948	2.617	ug/L	87
18) Methyl tert-butyl Ether	3.358	73	7296	2.159	ug/L #	88
19) 1,1-Dichloroethane	3.856	63	5141	2.180	ug/L	97
20) cis-1,2-Dichloroethene	4.660	96	2876	2.246	ug/L	96
22) 2-Butanone	4.730	43	6347m	6.149	ug/L	
23) Bromochloromethane	4.972	128	1486	2.172	ug/L #	91
25) Chloroform	5.074	83	6186	2.630	ug/L	100
27) 1,2-Dichloroethane	5.795	62	4346	2.355	ug/L	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
29) Cyclohexane	5.374	56	3697	1.909	ug/L	90
30) 1,1,1-Trichloroethane	5.306	97	4325	2.347	ug/L	94
31) Carbon tetrachloride	5.515	117	3460	2.233	ug/L	98
33) Benzene	5.769	78	11703	2.307	ug/L	100
34) Trichloroethene	6.537	95	3388	2.599	ug/L	91
35) Methylcyclohexane	6.753	83	3918	2.032	ug/L	96
37) 1,2-Dichloropropane	6.785	63	3673	2.441	ug/L #	89
38) Bromodichloromethane	7.097	83	4027	2.270	ug/L	94
39) cis-1,3-Dichloropropene	7.602	75	4444	2.179	ug/L	97
40) 4-Methyl-2-pentanone	7.788	43	7995	4.284	ug/L #	96
42) Toluene	7.965	91	11981	2.261	ug/L	100
44) trans-1,3-Dichloropropene	8.206	75	4879	2.556	ug/L	88
45) 1,1,2-Trichloroethane	8.399	97	2999	2.178	ug/L	96
46) Tetrachloroethene	8.547	164	2244	2.329	ug/L	95
48) 2-Hexanone	8.682	43	14527	9.982	ug/L #	90
49) Dibromochloromethane	8.804	129	2907	2.225	ug/L	96
50) 1,2-Dibromoethane	8.920	107	3028	2.152	ug/L #	81
51) Chlorobenzene	9.441	112	8101	2.358	ug/L	94
52) Ethylbenzene	9.566	91	10870	1.959	ug/L	91
53) m,p-Xylene	9.688	106	3766	1.835	ug/L	89
54) o-Xylene	10.097	106	3563	1.821	ug/L	92
55) Styrene	10.116	104	5643	1.679	ug/L	95
57) 1,1,2,2-Tetrachloroethane	10.772	83	6217	2.526	ug/L #	94
59) Bromoform	10.283	173	2052	2.305	ug/L #	95
60) 1,2,3-Trichloropropane	10.817	75	4358	2.700	ug/L	96
61) Isopropylbenzene	10.479	105	8624	1.946	ug/L	98
62) 1,3,5-Trimethylbenzene	11.084	105	6317	1.844	ug/L	97
63) 1,2,4-Trimethylbenzene	11.467	105	5738	1.763	ug/L	96
64) 1,3-Dichlorobenzene	11.746	146	5674	2.579	ug/L	89
65) 1,4-Dichlorobenzene	11.830	146	5541	2.450	ug/L	94
67) 1,2-Dichlorobenzene	12.206	146	5180	2.332	ug/L #	88
68) 1,2-Dibromo-3-chloropr...	13.000	75	926m	2.134	ug/L	
69) 1,3,5-Trichlorobenzene	13.219	180	3358	2.254	ug/L	93
70) 1,2,4-trichlorobenzene	13.849	180	2694	2.329	ug/L	99
71) Naphthalene	14.097	128	6354	2.037	ug/L #	86
72) 1,2,3-Trichlorobenzene	14.331	180	2189	1.912	ug/L #	88

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

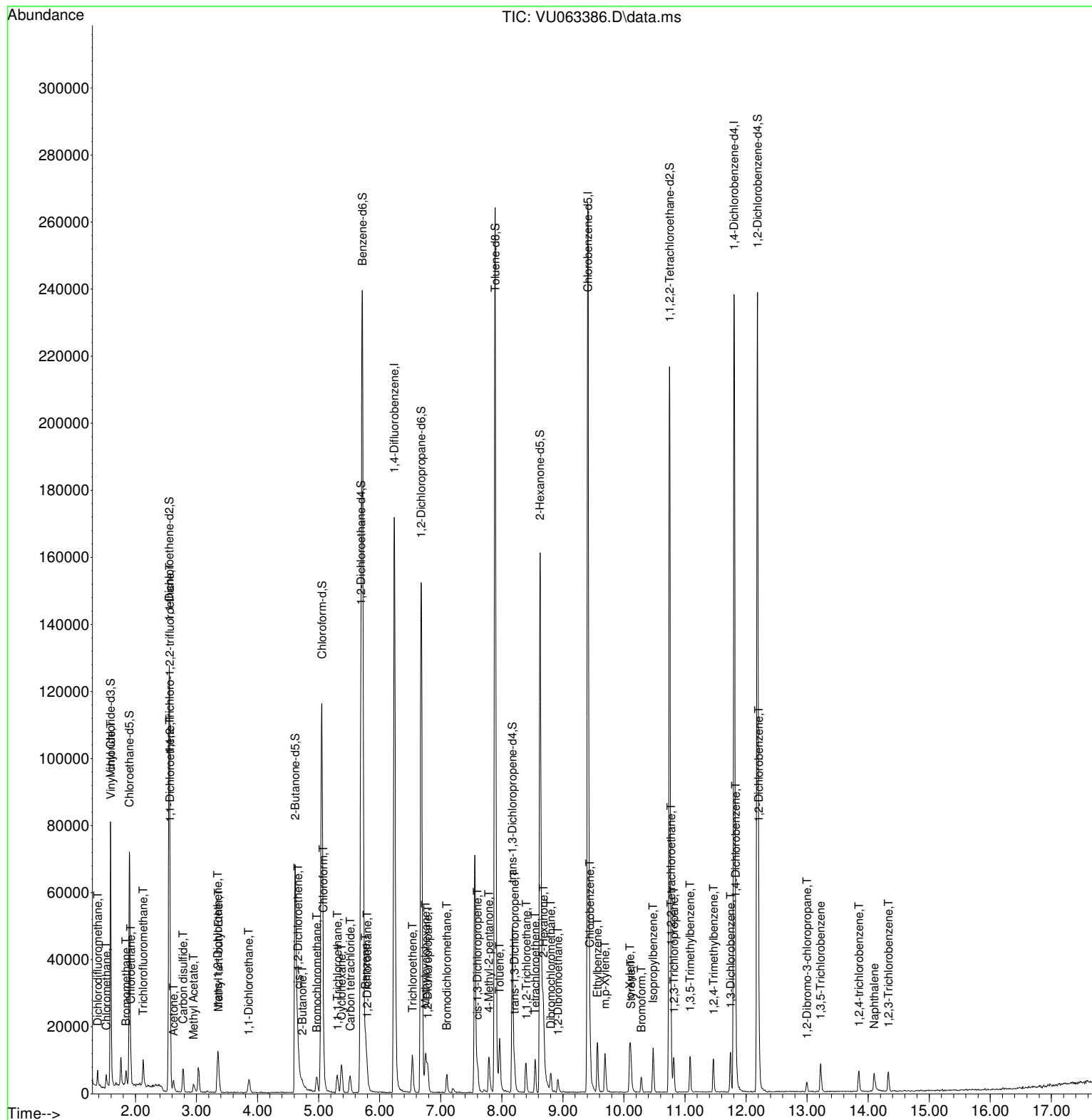
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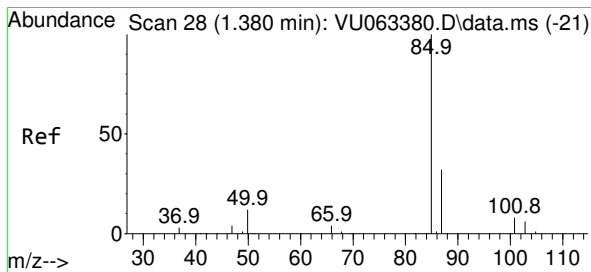
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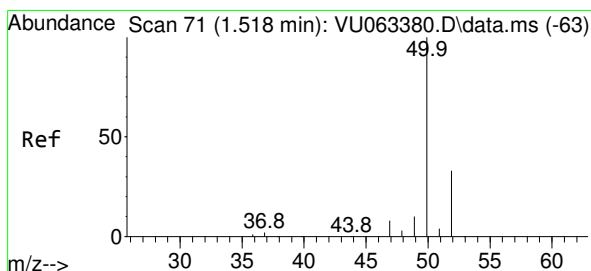
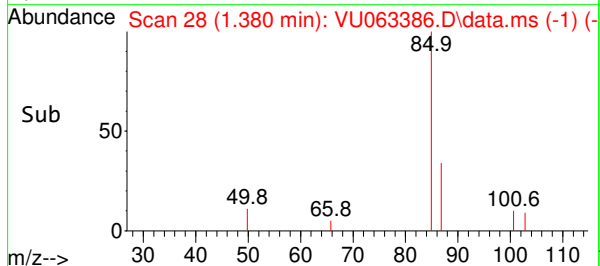
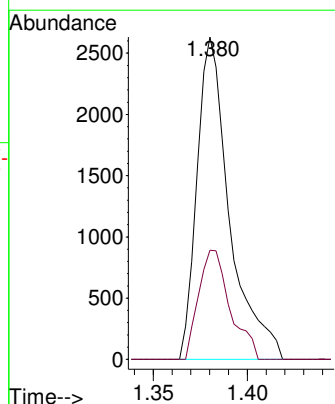
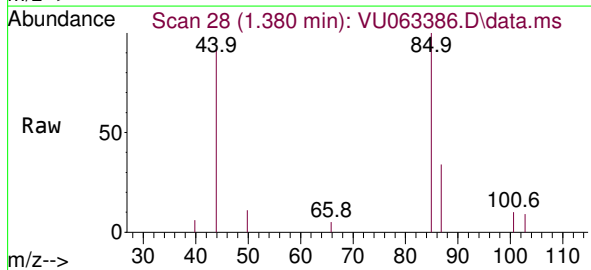
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Dichlorodifluoromethane
Concen: 2.334 ug/L
RT: 1.380 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU063386.D
Acq: 11 Jun 2025 16:24

Instrument : MSVOA_U
ClientSampleId :
MDL-WATER-QT2-2025-03

Tgt Ion: 85 Resp: 315
Ion Ratio Lower Upper
85 100
87 32.9 25.8 38.6

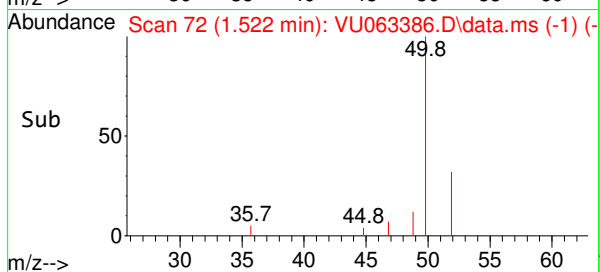
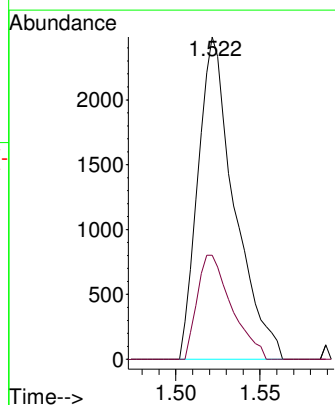
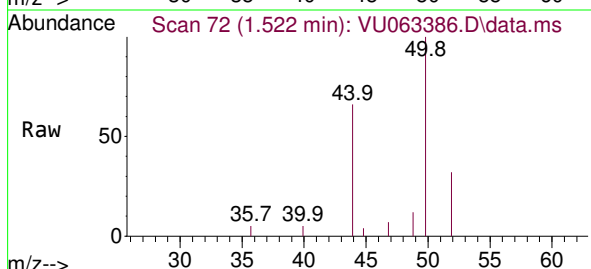
Manual Integrations
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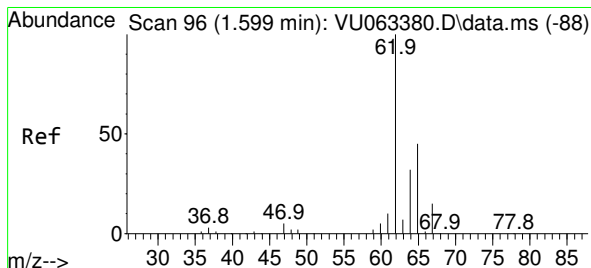
Reviewed By :John Carlone 06/12/2025
Supervised By :Mahesh Dadoda 06/12/2025



#3
Chloromethane
Concen: 2.437 ug/L
RT: 1.522 min Scan# 72
Delta R.T. 0.003 min
Lab File: VU063386.D
Acq: 11 Jun 2025 16:24

Tgt Ion: 50 Resp: 3719
Ion Ratio Lower Upper
50 100
52 32.2 23.2 43.0





#5

Vinyl chloride

Concen: 2.474 ug/L

RT: 1.596 min Scan# 9

Delta R.T. -0.003 min

Lab File: VU063386.D

Acq: 11 Jun 2025 16:24

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-QT2-2025-03

Tgt Ion: 62 Resp: 415

Ion Ratio Lower Upper

62 100

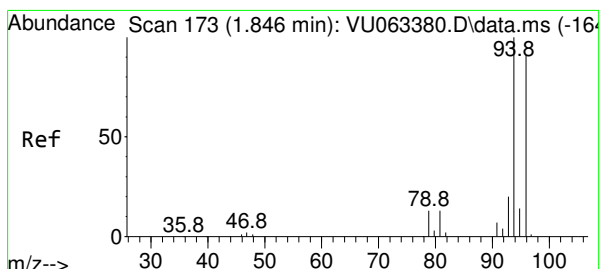
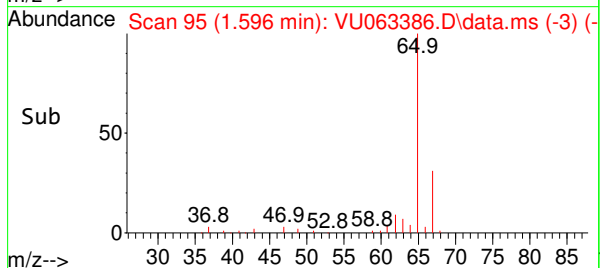
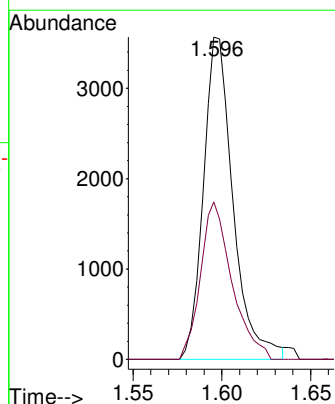
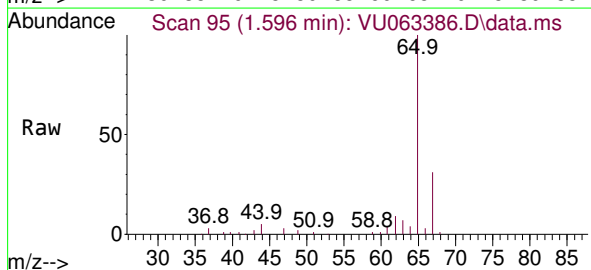
64 48.9 23.2 43.2

Manual Integrations

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#6

Bromomethane

Concen: 2.440 ug/L

RT: 1.846 min Scan# 173

Delta R.T. 0.000 min

Lab File: VU063386.D

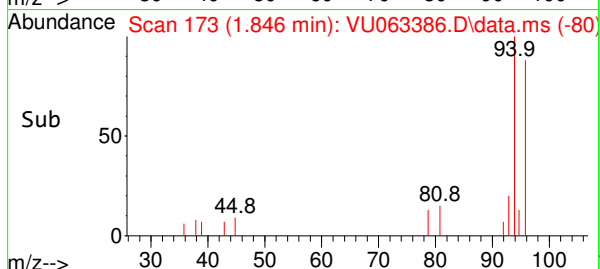
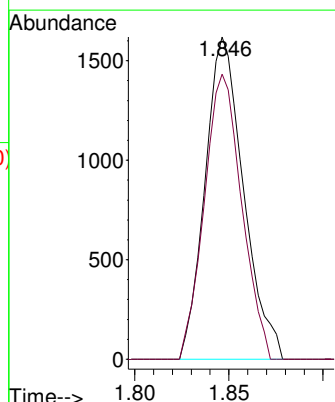
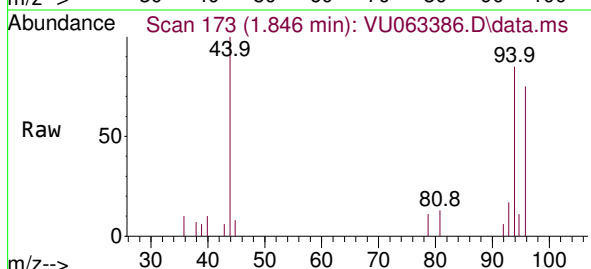
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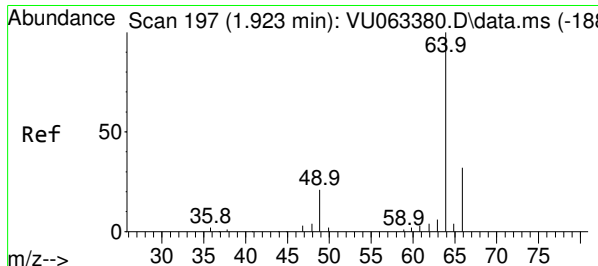
Tgt Ion: 94 Resp: 2304

Ion Ratio Lower Upper

94 100

96 78.1 65.2 121.2





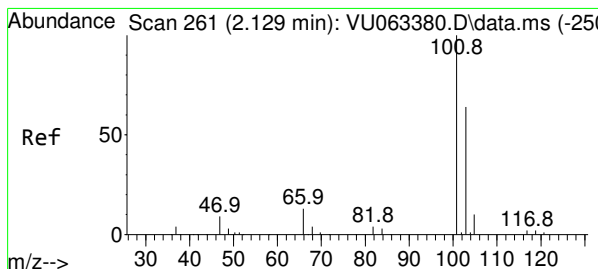
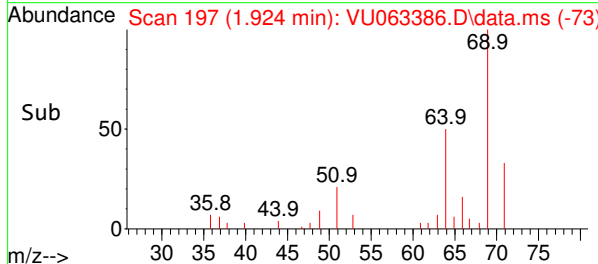
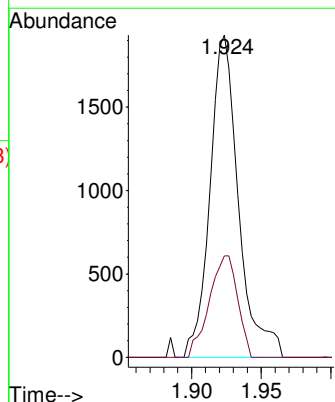
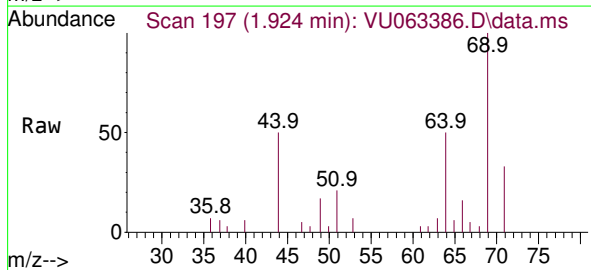
#8
Chloroethane
Concen: 2.621 ug/L
RT: 1.924 min Scan# 1
Delta R.T. 0.000 min
Lab File: VU063386.D
Acq: 11 Jun 2025 16:24

Instrument : MSVOA_U
ClientSampleId :
MDL-WATER-QT2-2025-03

Tgt Ion: 64 Resp: 275
Ion Ratio Lower Upper
64 100
66 40.5 22.0 41.0

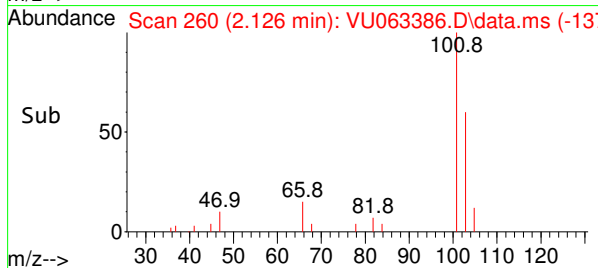
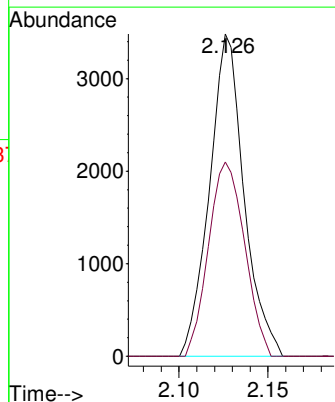
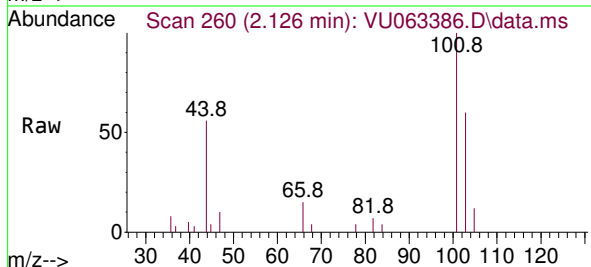
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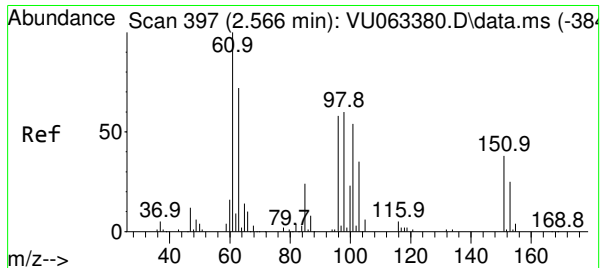
Reviewed By :John Carlone 06/12/2025
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#9
Trichlorofluoromethane
Concen: 2.375 ug/L
RT: 2.126 min Scan# 260
Delta R.T. -0.003 min
Lab File: VU063386.D
Acq: 11 Jun 2025 16:24

Tgt Ion:101 Resp: 4693
Ion Ratio Lower Upper
101 100
103 63.0 51.2 76.8





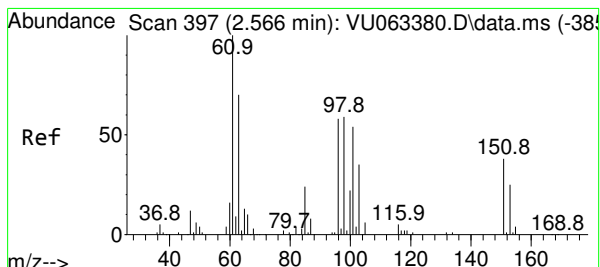
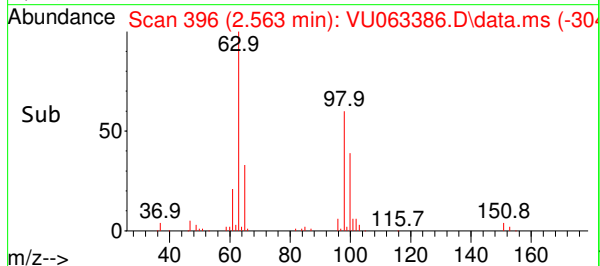
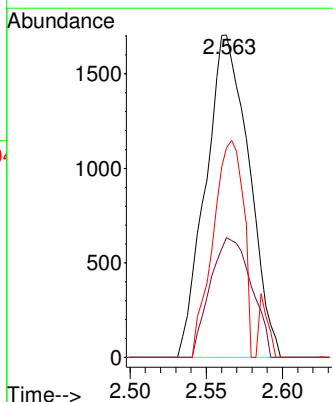
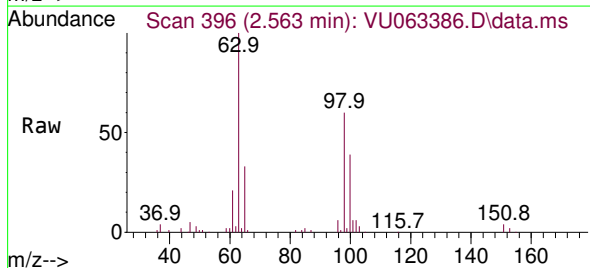
#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 2.853 ug/L
 RT: 2.563 min Scan# 396
 Delta R.T. -0.003 min
 Lab File: VU063386.D
 Acq: 11 Jun 2025 16:24

Instrument : MSVOA_U
 ClientSampleId :
 MDL-WATER-QT2-2025-03

Tgt Ion: 101 Resp: 336
 Ion Ratio Lower Upper
 101 100
 85 35.4 36.5 54.7
 151 47.4 57.4 86.6

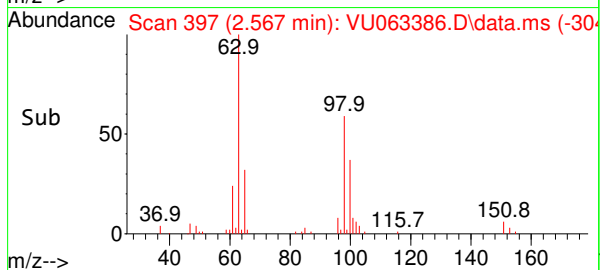
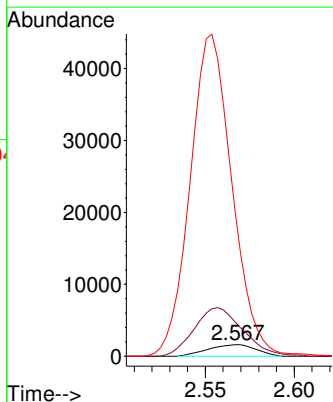
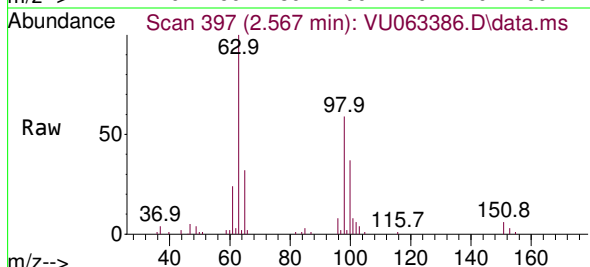
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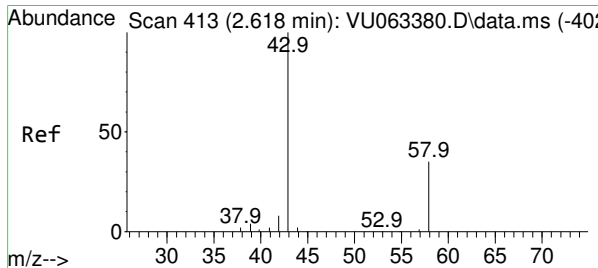
Reviewed By : John Carlone 06/12/2025
 Supervised By : Mahesh Dadoda 06/12/2025



#12
 1,1-Dichloroethene
 Concen: 2.924 ug/L
 RT: 2.567 min Scan# 397
 Delta R.T. 0.000 min
 Lab File: VU063386.D
 Acq: 11 Jun 2025 16:24

Tgt Ion: 96 Resp: 3064
 Ion Ratio Lower Upper
 96 100
 61 295.2 121.9 226.5#
 63 1254.7 93.2 173.0#





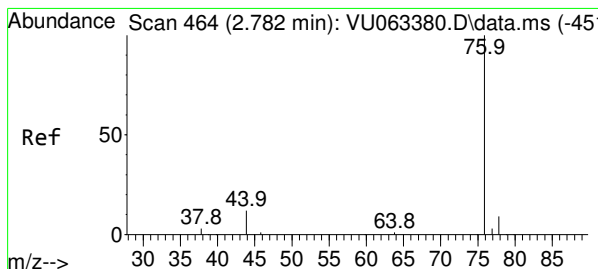
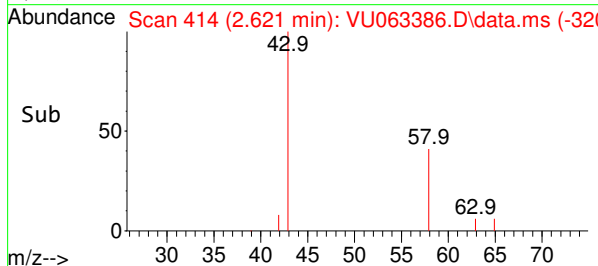
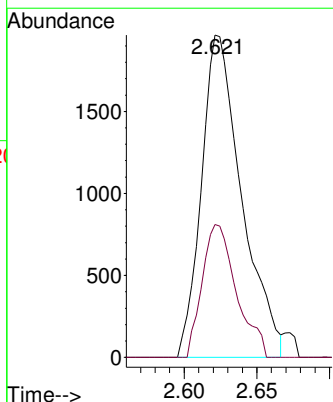
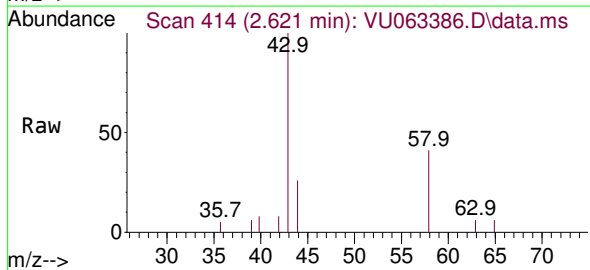
#13
Acetone
Concen: 5.421 ug/L
RT: 2.621 min Scan# 413
Delta R.T. 0.003 min
Lab File: VU063386.D
Acq: 11 Jun 2025 16:24

Instrument : MSVOA_U
ClientSampleId : MDL-WATER-QT2-2025-03

Tgt Ion: 43 Resp: 378
Ion Ratio Lower Upper
43 100
58 35.1 0.0 68.4

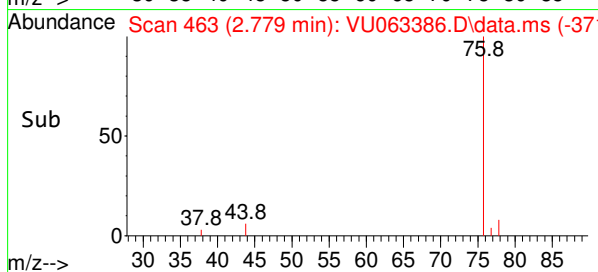
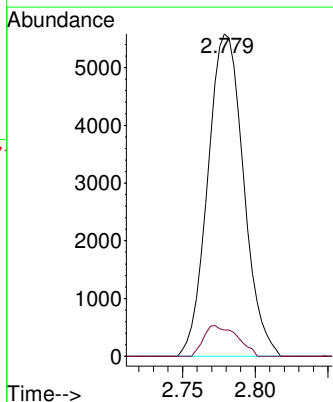
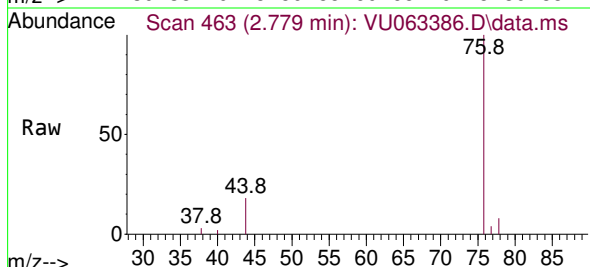
Manual Integrations
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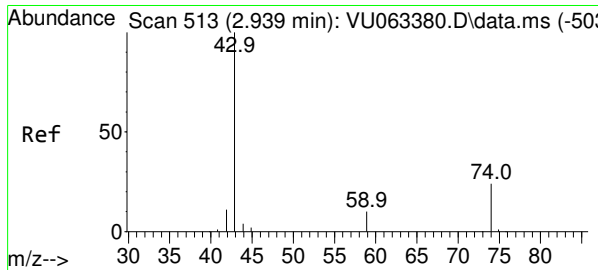
Reviewed By :John Carlone 06/12/2025
Supervised By :Mahesh Dadoda 06/12/2025



#14
Carbon disulfide
Concen: 2.761 ug/L
RT: 2.779 min Scan# 463
Delta R.T. -0.003 min
Lab File: VU063386.D
Acq: 11 Jun 2025 16:24

Tgt Ion: 76 Resp: 9553
Ion Ratio Lower Upper
76 100
78 8.1 7.4 11.2





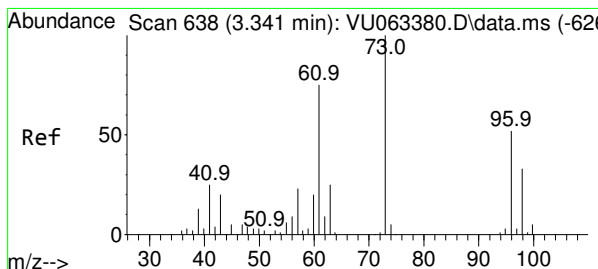
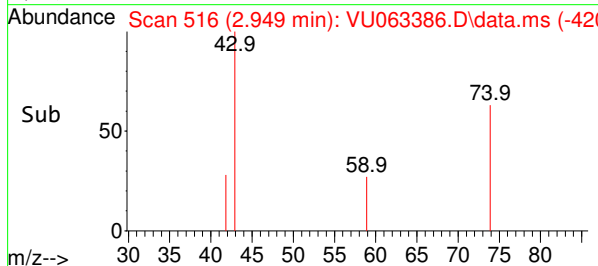
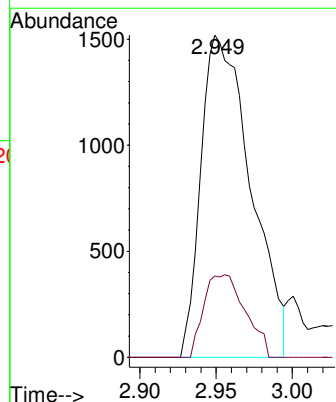
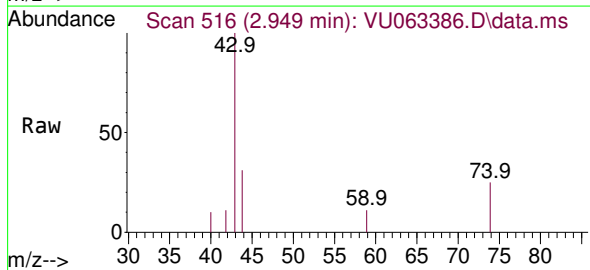
#15
Methyl Acetate
Concen: 2.388 ug/L
RT: 2.949 min Scan# 513
Delta R.T. 0.010 min
Lab File: VU063386.D
Acq: 11 Jun 2025 16:24

Instrument : MSVOA_U
ClientSampleId : VU063386.D
MDL-WATER-QT2-2025-03

Tgt Ion: 43 Resp: 345
Ion Ratio Lower Upper
43 100
74 21.3 0.0 0.0

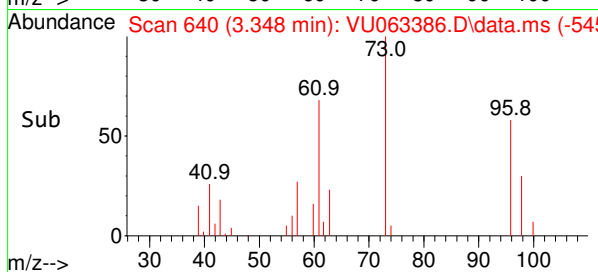
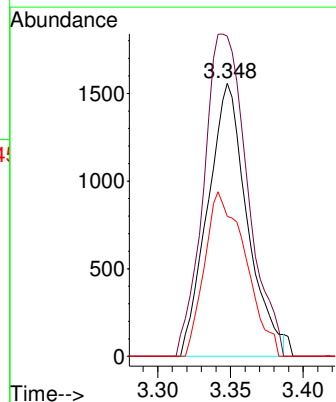
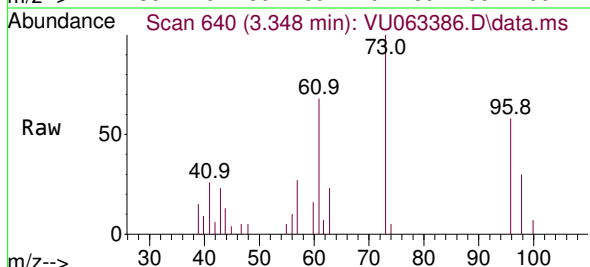
Manual Integrations
APPROVED

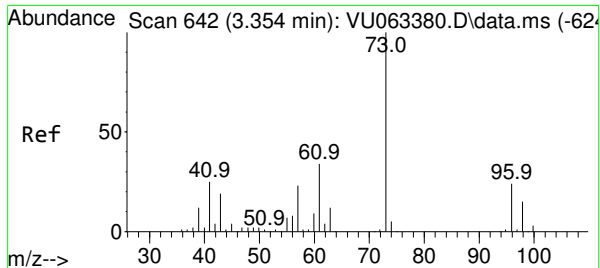
Reviewed By :John Carlone 06/12/2025
Supervised By :Mahesh Dadoda 06/12/2025



#17
trans-1,2-Dichloroethene
Concen: 2.617 ug/L
RT: 3.348 min Scan# 640
Delta R.T. 0.006 min
Lab File: VU063386.D
Acq: 11 Jun 2025 16:24

Tgt Ion: 96 Resp: 2948
Ion Ratio Lower Upper
96 100
61 128.8 100.1 185.9
98 51.3 44.2 82.0





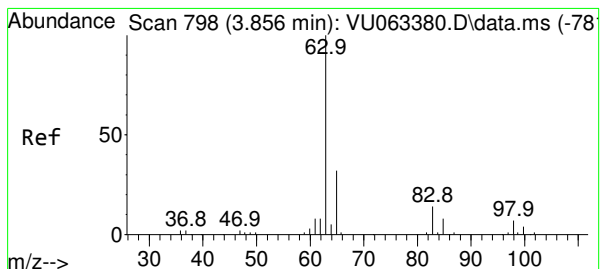
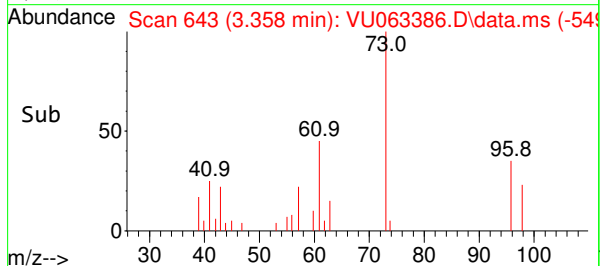
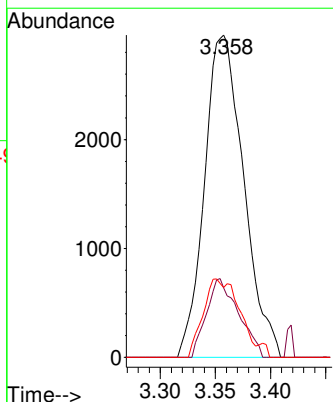
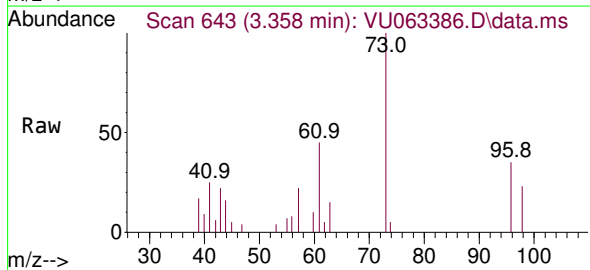
#18
Methyl tert-butyl Ether
Concen: 2.159 ug/L
RT: 3.358 min Scan# 642
Delta R.T. 0.003 min
Lab File: VU063386.D
Acq: 11 Jun 2025 16:24

Instrument : MSVOA_U
ClientSampleId :
MDL-WATER-QT2-2025-03

Tgt Ion: 73 Resp: 729
Ion Ratio Lower Upper
73 100
43 20.1 15.4 23.2
57 12.9 18.3 27.5

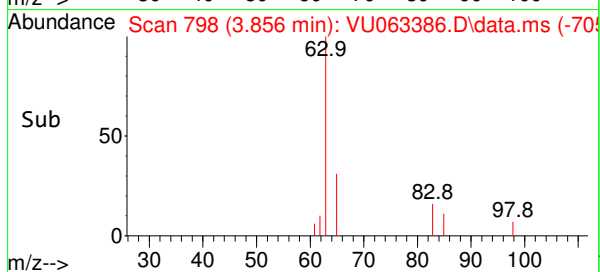
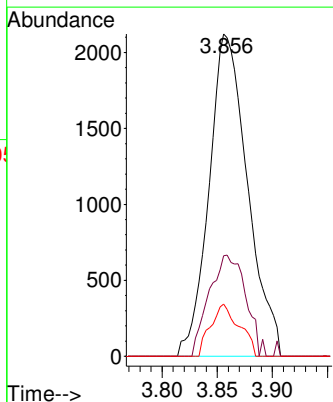
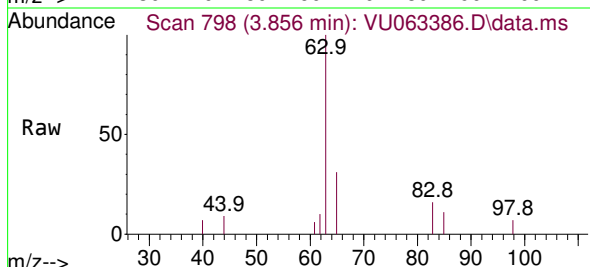
Manual Integrations
APPROVED

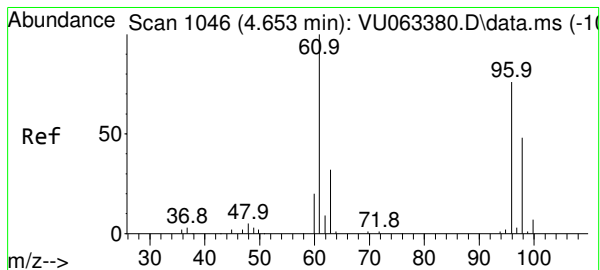
Reviewed By :John Carlone 06/12/2025
Supervised By :Mahesh Dadoda 06/12/2025



#19
1,1-Dichloroethane
Concen: 2.180 ug/L
RT: 3.856 min Scan# 798
Delta R.T. 0.000 min
Lab File: VU063386.D
Acq: 11 Jun 2025 16:24

Tgt Ion: 63 Resp: 5141
Ion Ratio Lower Upper
63 100
65 31.1 21.9 40.7
83 16.2 9.0 16.6





#20
cis-1,2-Dichloroethene
Concen: 2.246 ug/L
RT: 4.660 min Scan# 1046
Delta R.T. 0.006 min
Lab File: VU063386.D
Acq: 11 Jun 2025 16:24

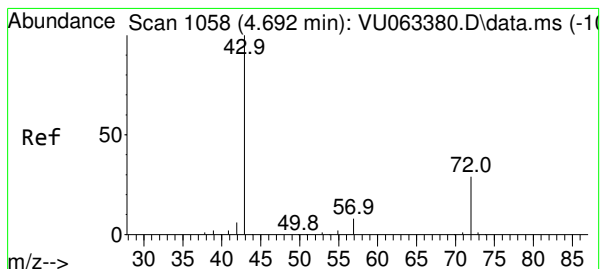
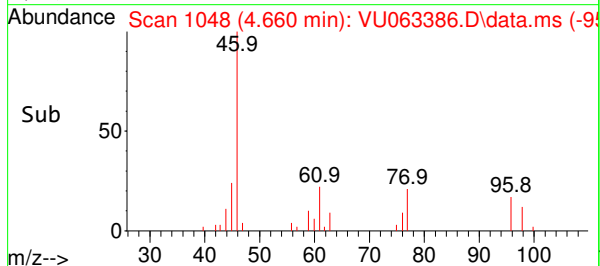
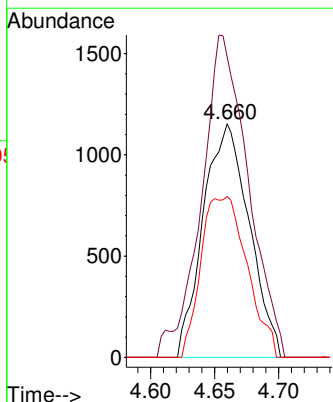
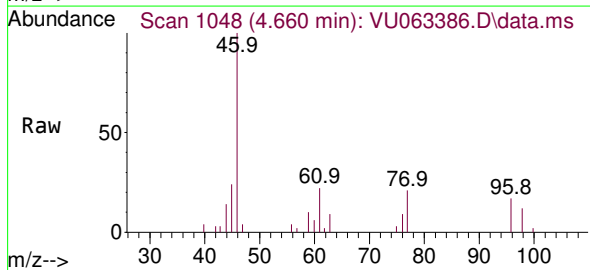
Instrument : MSVOA_U
ClientSampleId : VU063386.D
MDL-WATER-QT2-2025-03

Tgt Ion: 96 Resp: 287

Ion	Ratio	Lower	Upper
96	100		
61	128.7	91.6	170.0
98	69.0	44.0	81.8

Manual Integrations
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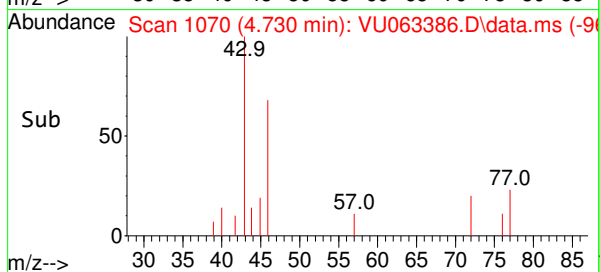
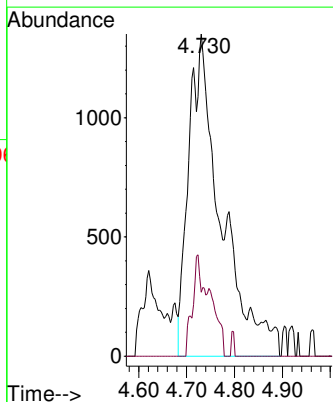
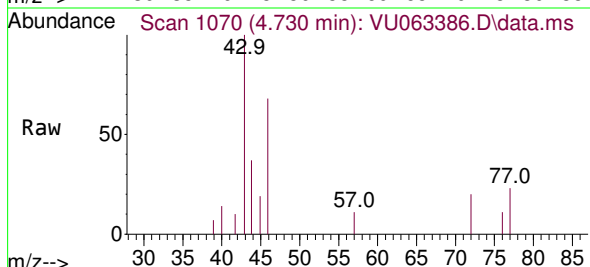
Reviewed By :John Carlone 06/12/2025
Supervised By :Mahesh Dadoda 06/12/2025

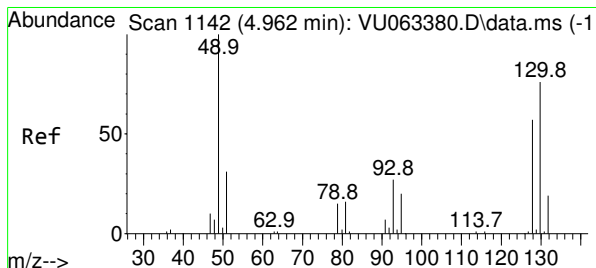


#22
2-Butanone
Concen: 6.149 ug/L m
RT: 4.730 min Scan# 1070
Delta R.T. 0.039 min
Lab File: VU063386.D
Acq: 11 Jun 2025 16:24

Tgt Ion: 43 Resp: 6347

Ion	Ratio	Lower	Upper
43	100		
72	0.0	15.4	46.4#





#23

Bromochloromethane

Concen: 2.172 ug/L

RT: 4.972 min Scan# 1145

Delta R.T. 0.010 min

Lab File: VU063386.D

Acq: 11 Jun 2025 16:24

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-QT2-2025-03

Tgt Ion:128 Resp: 148

Ion Ratio Lower Upper

128 100

49 168.6 118.2 219.6

130 149.5 89.2 165.8

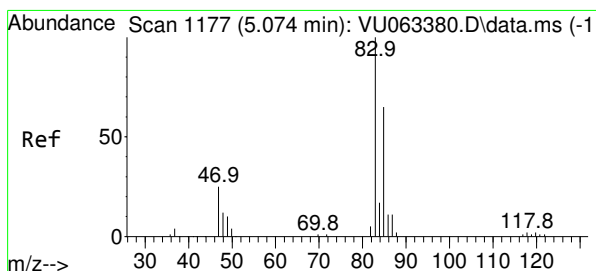
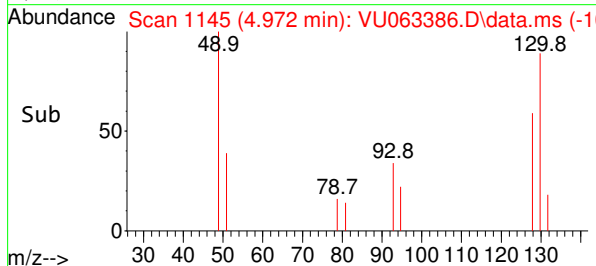
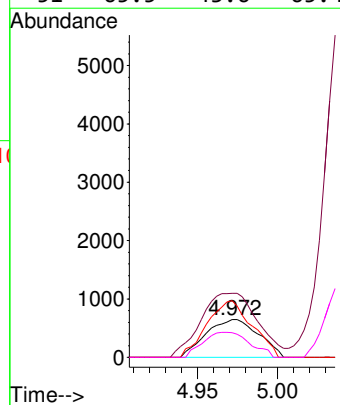
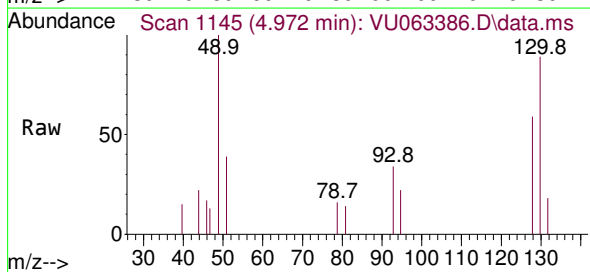
51 65.5 43.6 65.4#

Manual Integrations

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Reviewed By :John Carlone 06/12/2025

Supervised By :Mahesh Dadoda 06/12/2025



#25

Chloroform

Concen: 2.630 ug/L

RT: 5.074 min Scan# 1177

Delta R.T. 0.000 min

Lab File: VU063386.D

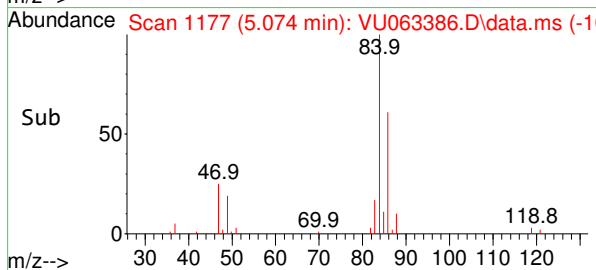
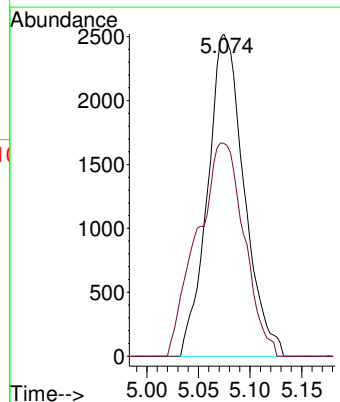
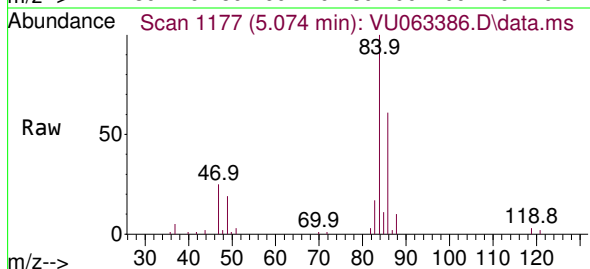
Acq: 11 Jun 2025 16:24

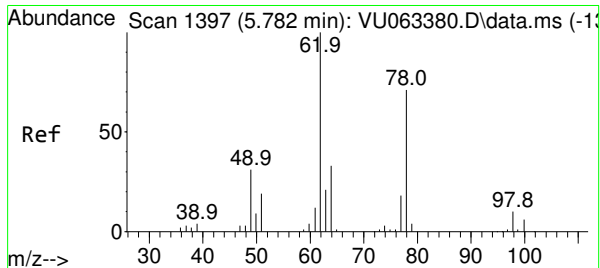
Tgt Ion: 83 Resp: 6186

Ion Ratio Lower Upper

83 100

85 66.0 45.9 85.3





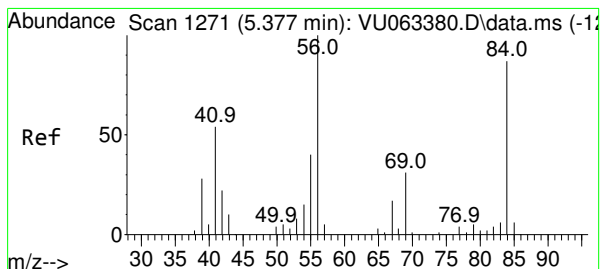
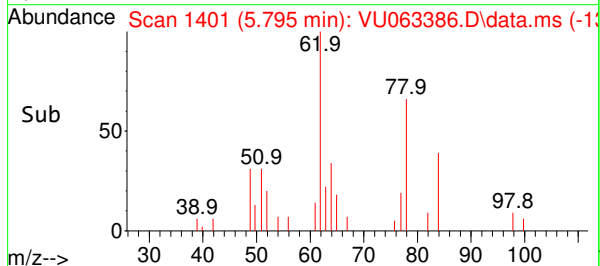
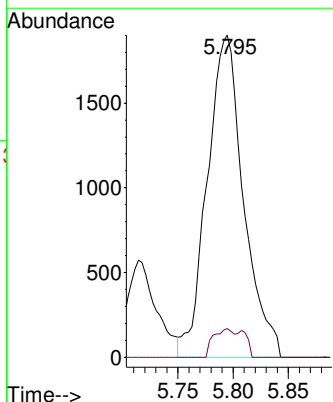
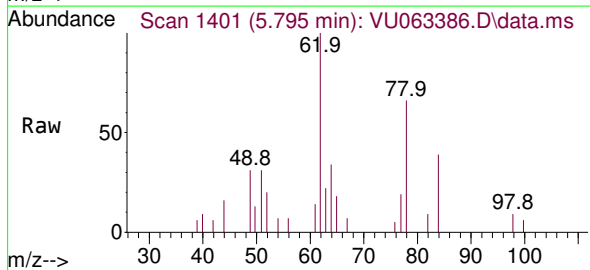
#27
1,2-Dichloroethane
Concen: 2.355 ug/L
RT: 5.795 min Scan# 1
Delta R.T. 0.013 min
Lab File: VU063386.D
Acq: 11 Jun 2025 16:24

Instrument : MSVOA_U
ClientSampleId : MDL-WATER-QT2-2025-03

Tgt Ion: 62 Resp: 434
Ion Ratio Lower Upper
62 100
98 9.0 7.5 11.3

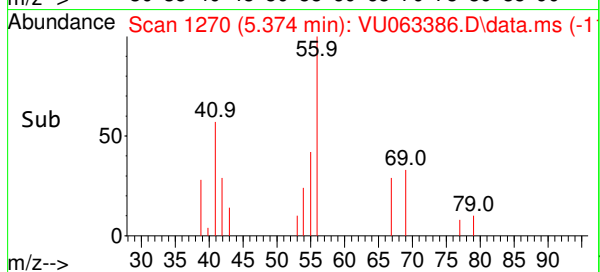
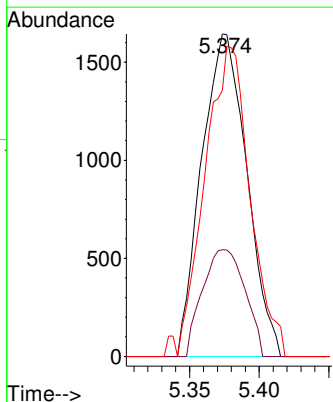
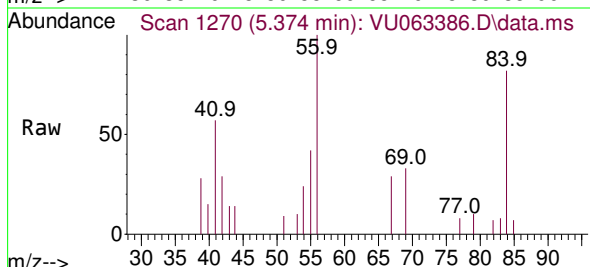
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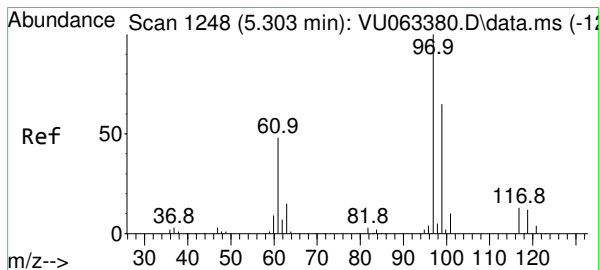
Reviewed By :John Carlone 06/12/2025
Supervised By :Mahesh Dadoda 06/12/2025



#29
Cyclohexane
Concen: 1.909 ug/L
RT: 5.374 min Scan# 1270
Delta R.T. -0.003 min
Lab File: VU063386.D
Acq: 11 Jun 2025 16:24

Tgt Ion: 56 Resp: 3697
Ion Ratio Lower Upper
56 100
69 31.2 24.2 36.4
84 95.7 67.2 100.8





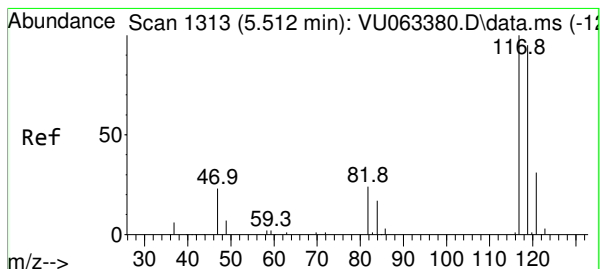
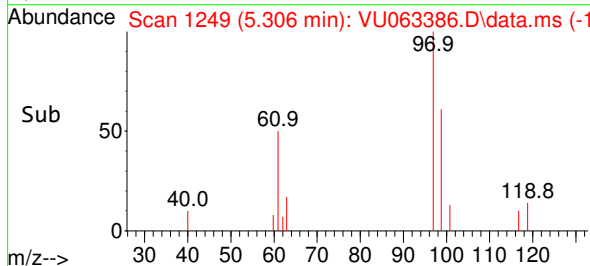
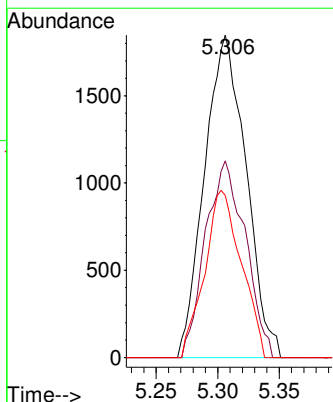
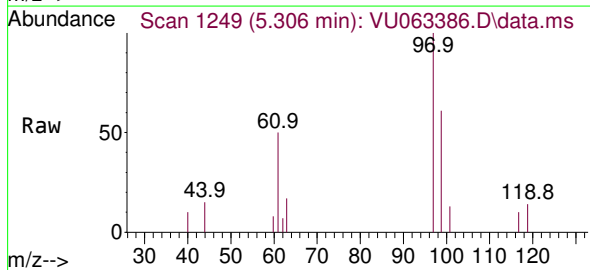
#30
1,1,1-Trichloroethane
Concen: 2.347 ug/L
RT: 5.306 min Scan# 1249
Delta R.T. 0.003 min
Lab File: VU063386.D
Acq: 11 Jun 2025 16:24

Instrument : MSVOA_U
ClientSampleId :
MDL-WATER-QT2-2025-03

Tgt Ion:	97	Resp:	432
Ion	Ratio	Lower	Upper
97	100		
99	58.5	52.1	78.1
61	45.9	38.6	57.8

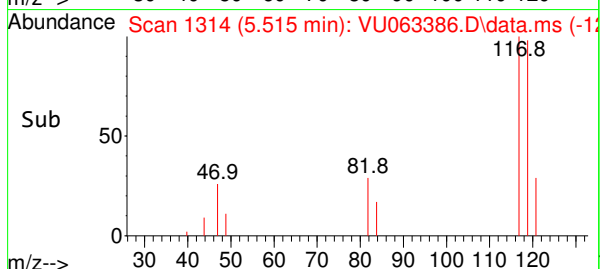
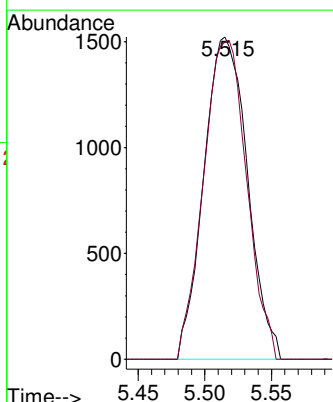
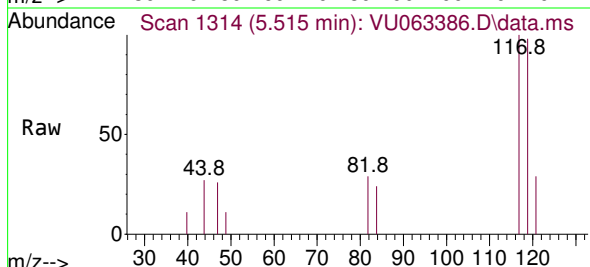
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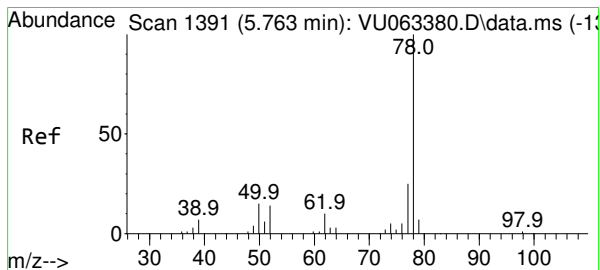
Reviewed By :John Carlone 06/12/2025
Supervised By :Mahesh Dadoda 06/12/2025



#31
Carbon tetrachloride
Concen: 2.233 ug/L
RT: 5.515 min Scan# 1314
Delta R.T. 0.003 min
Lab File: VU063386.D
Acq: 11 Jun 2025 16:24

Tgt Ion:	117	Resp:	3460
Ion	Ratio	Lower	Upper
117	100		
119	97.8	76.3	114.5





#33

Benzene

Concen: 2.307 ug/L

RT: 5.769 min Scan# 1

Delta R.T. 0.006 min

Lab File: VU063386.D

Acq: 11 Jun 2025 16:24

Instrument :

MSVOA_U

ClientSampleId :

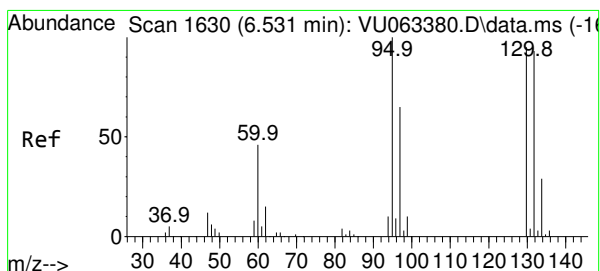
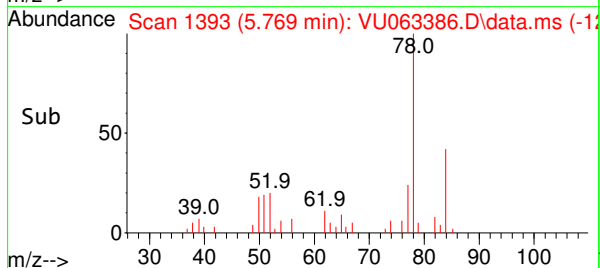
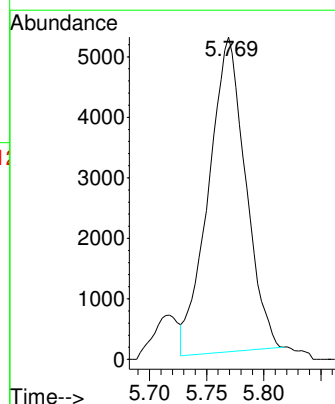
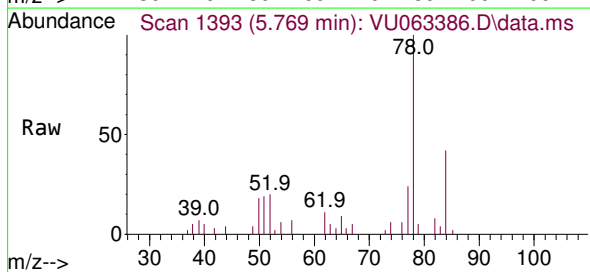
MDL-WATER-QT2-2025-03

Tgt Ion: 78 Resp: 1176

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Reviewed By :John Carlone 06/12/2025

Supervised By :Mahesh Dadoda 06/12/2025



#34

Trichloroethene

Concen: 2.599 ug/L

RT: 6.537 min Scan# 1632

Delta R.T. 0.006 min

Lab File: VU063386.D

Acq: 11 Jun 2025 16:24

Tgt Ion: 95 Resp: 3388

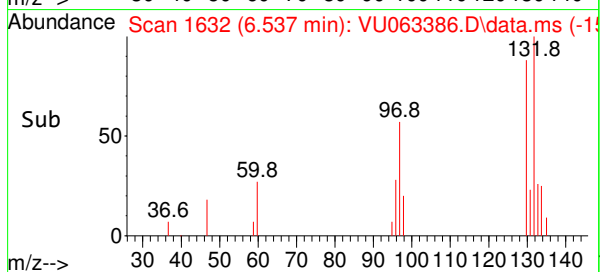
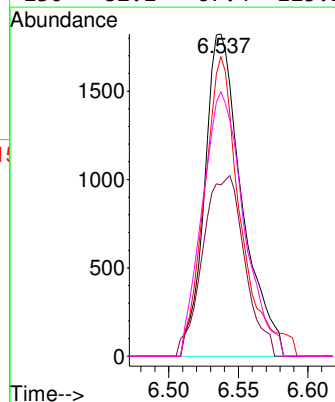
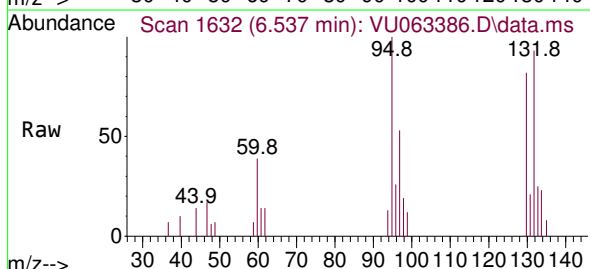
Ion Ratio Lower Upper

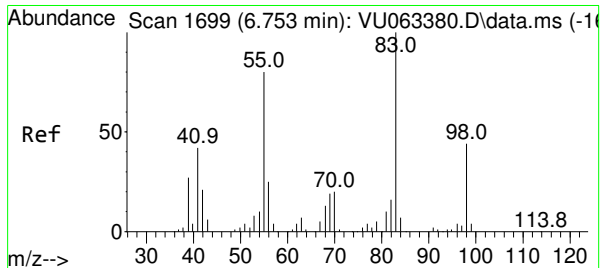
95 100

97 53.1 44.6 82.8

132 93.0 65.3 121.3

130 82.1 67.4 125.2





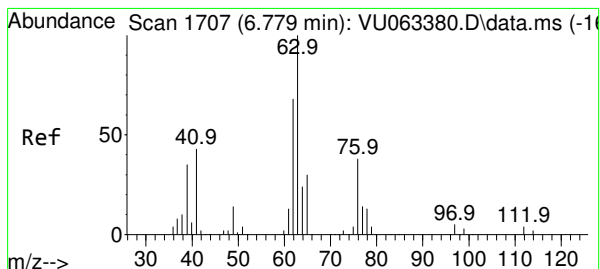
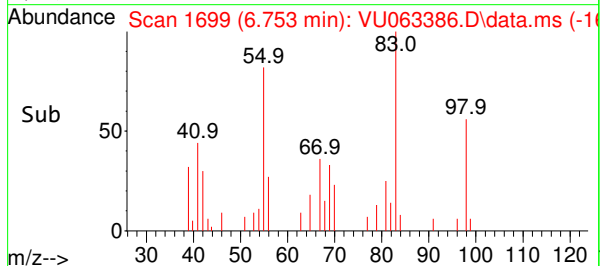
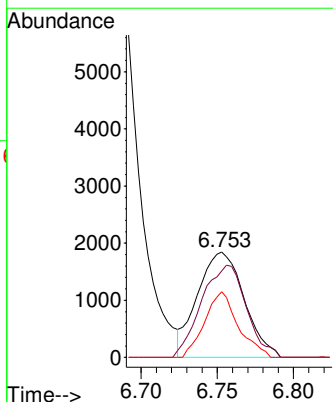
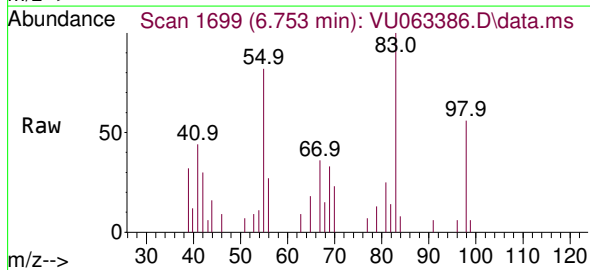
#35
Methylcyclohexane
Concen: 2.032 ug/L
RT: 6.753 min Scan# 1
Delta R.T. 0.000 min
Lab File: VU063386.D
Acq: 11 Jun 2025 16:24

Instrument : MSVOA_U
ClientSampleId : MDL-WATER-QT2-2025-03

Tgt Ion	Ratio	Lower	Upper
83	100		
55	84.0	63.4	95.2
98	44.8	35.2	52.8

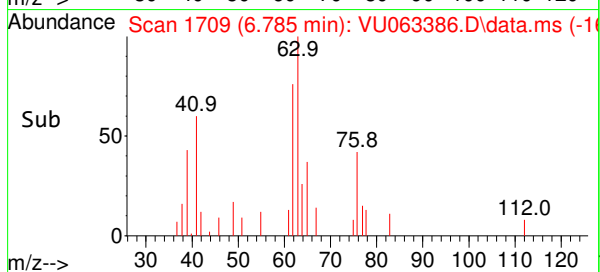
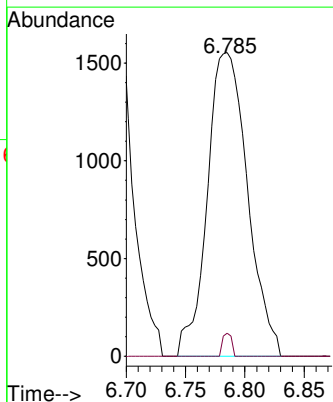
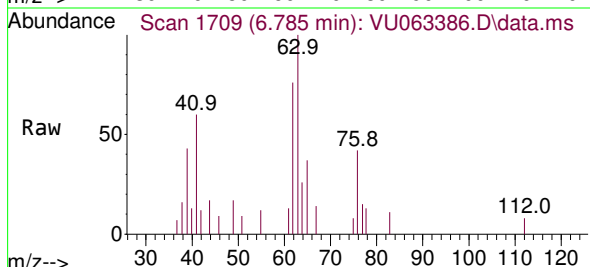
Manual Integrations
APPROVED

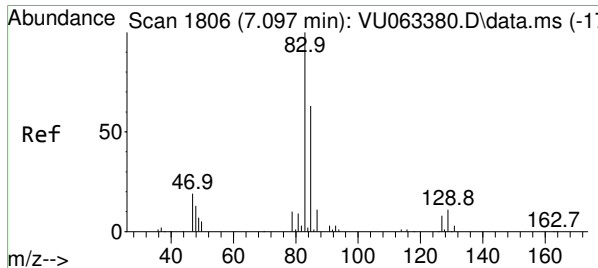
Reviewed By :John Carlone 06/12/2025
Supervised By :Mahesh Dadoda 06/12/2025



#37
1,2-Dichloropropane
Concen: 2.441 ug/L
RT: 6.785 min Scan# 1709
Delta R.T. 0.006 min
Lab File: VU063386.D
Acq: 11 Jun 2025 16:24

Tgt Ion	Ratio	Lower	Upper
63	100		
112	0.0	2.9	4.3#





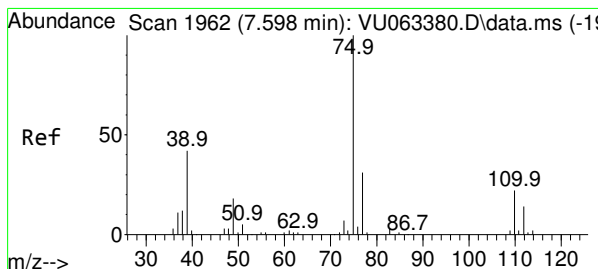
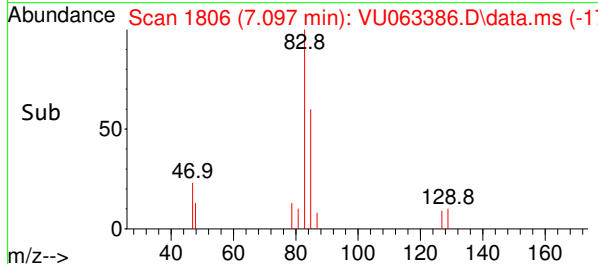
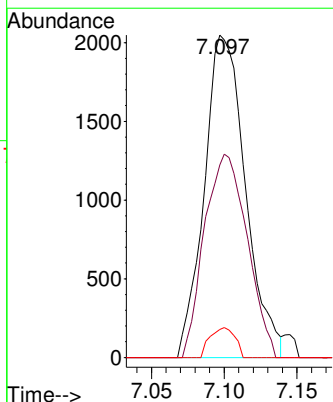
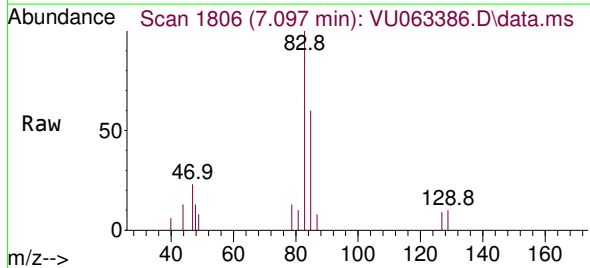
#38
Bromodichloromethane
Concen: 2.270 ug/L
RT: 7.097 min Scan# 1
Delta R.T. 0.000 min
Lab File: VU063386.D
Acq: 11 Jun 2025 16:24

Instrument : MSVOA_U
ClientSampleId : MDL-WATER-QT2-2025-03

Tgt Ion: 83 Resp: 402
Ion Ratio Lower Upper
83 100
85 59.7 45.3 84.1
127 8.7 6.0 9.6

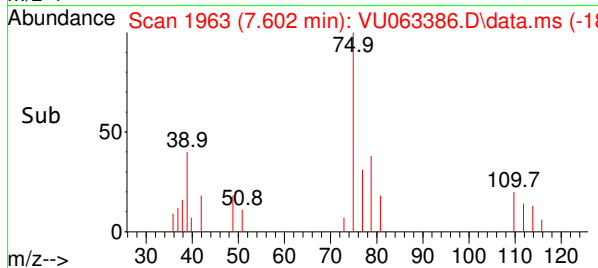
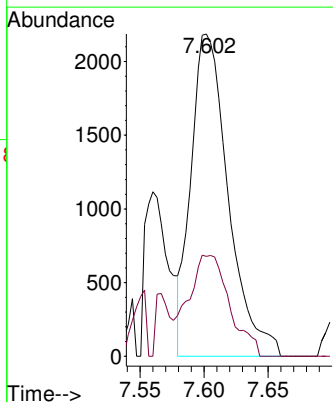
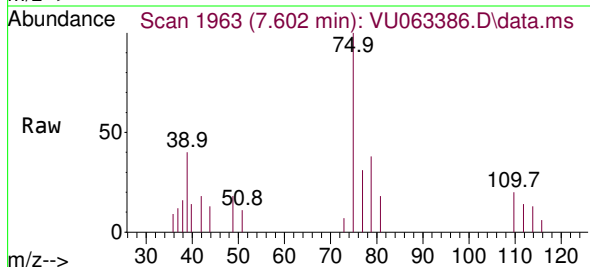
Manual Integrations
APPROVED

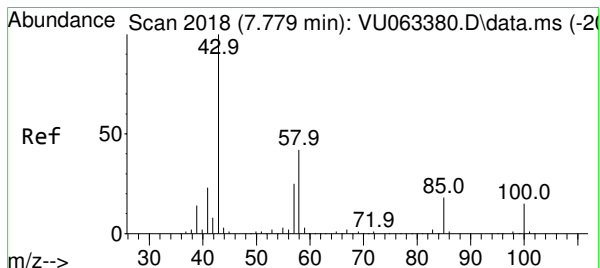
Reviewed By :John Carlone 06/12/2025
Supervised By :Mahesh Dadoda 06/12/2025



#39
cis-1,3-Dichloropropene
Concen: 2.179 ug/L
RT: 7.602 min Scan# 1963
Delta R.T. 0.003 min
Lab File: VU063386.D
Acq: 11 Jun 2025 16:24

Tgt Ion: 75 Resp: 4444
Ion Ratio Lower Upper
75 100
77 31.0 22.7 42.3





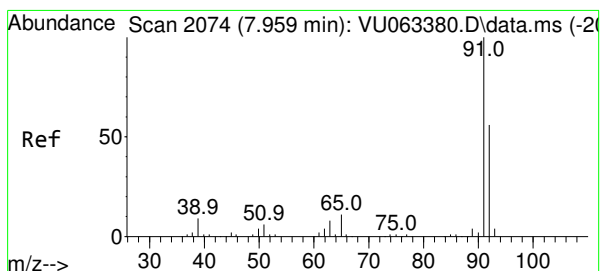
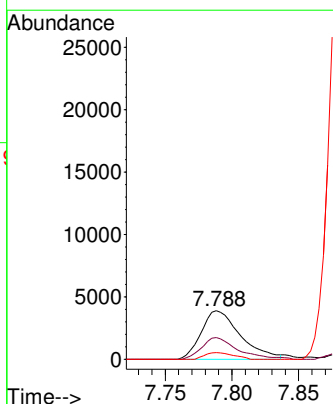
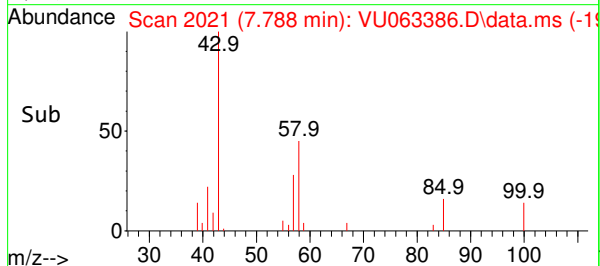
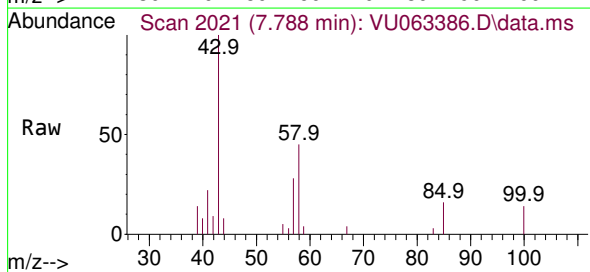
#40
4-Methyl-2-pentanone
Concen: 4.284 ug/L
RT: 7.788 min Scan# 21
Delta R.T. 0.010 min
Lab File: VU063386.D
Acq: 11 Jun 2025 16:24

Instrument : MSVOA_U
ClientSampleId :
MDL-WATER-QT2-2025-03

Tgt Ion: 43 Resp: 799
Ion Ratio Lower Upper
43 100
58 40.0 33.0 49.6
100 10.3 11.9 17.9

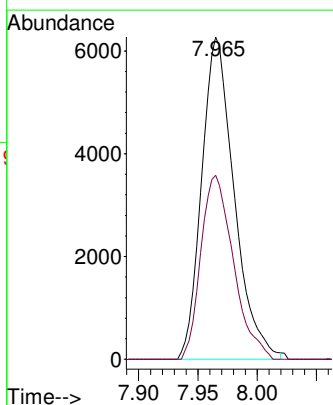
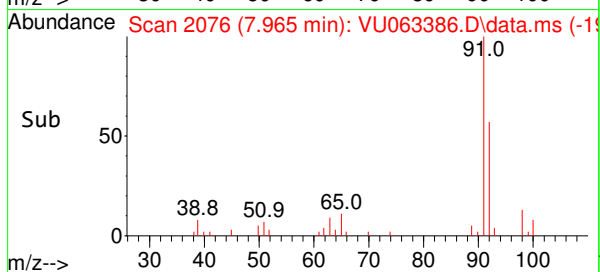
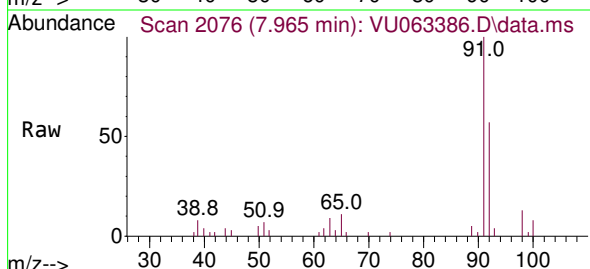
Manual Integrations
APPROVED

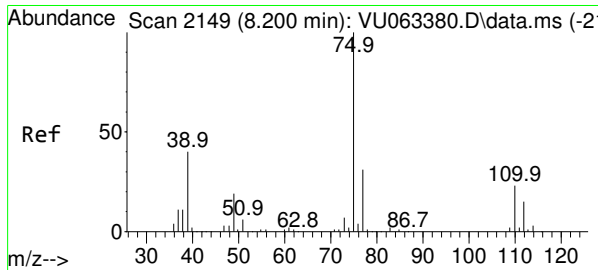
Reviewed By :John Carlone 06/12/2025
Supervised By :Mahesh Dadoda 06/12/2025



#42
Toluene
Concen: 2.261 ug/L
RT: 7.965 min Scan# 2076
Delta R.T. 0.006 min
Lab File: VU063386.D
Acq: 11 Jun 2025 16:24

Tgt Ion: 91 Resp: 11981
Ion Ratio Lower Upper
91 100
92 57.1 39.9 74.1





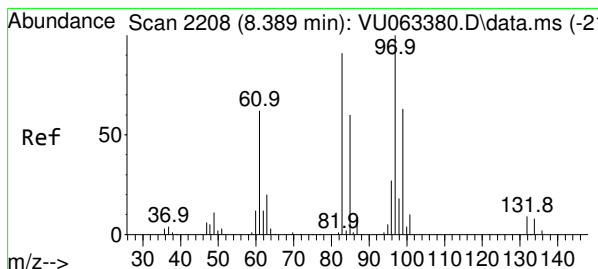
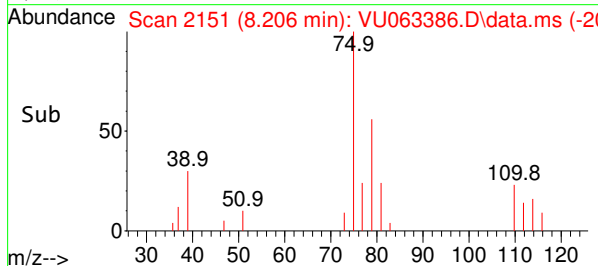
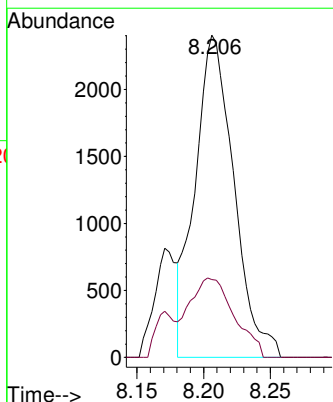
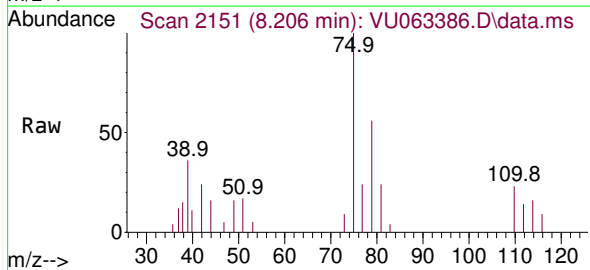
#44
trans-1,3-Dichloropropene
Concen: 2.556 ug/L
RT: 8.206 min Scan# 2149
Delta R.T. 0.007 min
Lab File: VU063386.D
Acq: 11 Jun 2025 16:24

Instrument : MSVOA_U
ClientSampleId : VU063386.D
MDL-WATER-QT2-2025-03

Tgt Ion: 75 Resp: 487
Ion Ratio Lower Upper
75 100
77 24.1 21.7 40.3

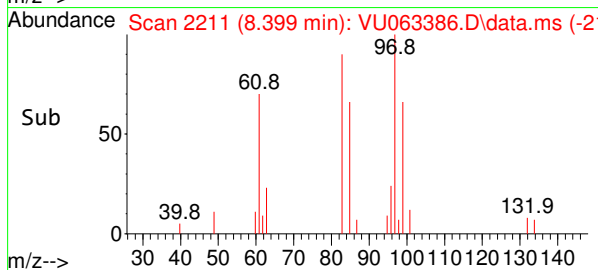
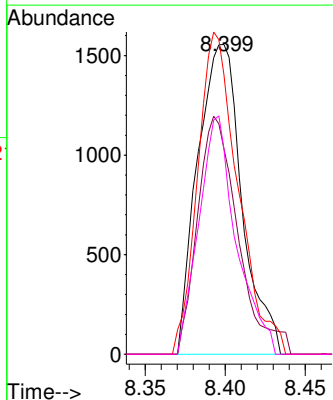
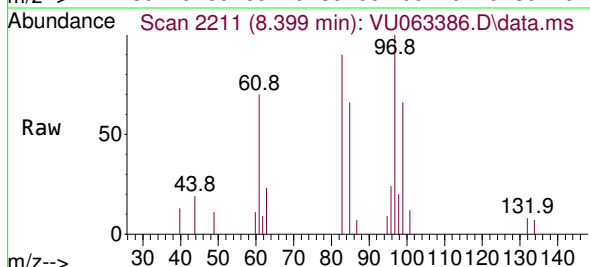
Manual Integrations
APPROVED

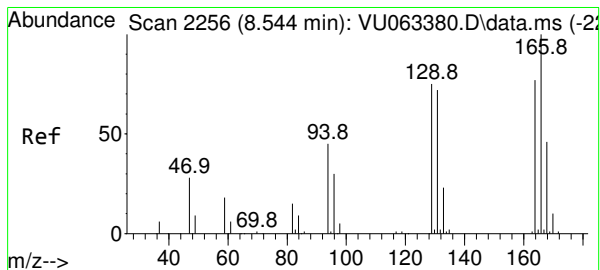
Reviewed By :John Carlone 06/12/2025
Supervised By :Mahesh Dadoda 06/12/2025



#45
1,1,2-Trichloroethane
Concen: 2.178 ug/L
RT: 8.399 min Scan# 2211
Delta R.T. 0.010 min
Lab File: VU063386.D
Acq: 11 Jun 2025 16:24

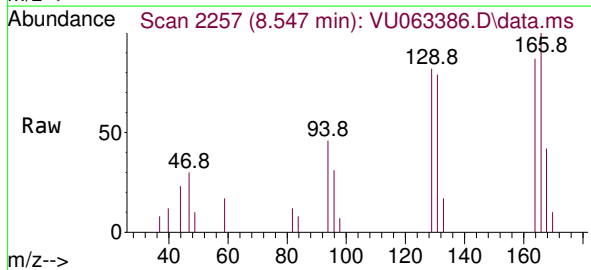
Tgt Ion: 97 Resp: 2999
Ion Ratio Lower Upper
97 100
99 66.3 44.4 82.4
83 90.2 63.3 117.5
85 66.2 40.5 75.1





#46
Tetrachloroethene
Concen: 2.329 ug/L
RT: 8.547 min Scan# 2256
Delta R.T. 0.003 min
Lab File: VU063386.D
Acq: 11 Jun 2025 16:24

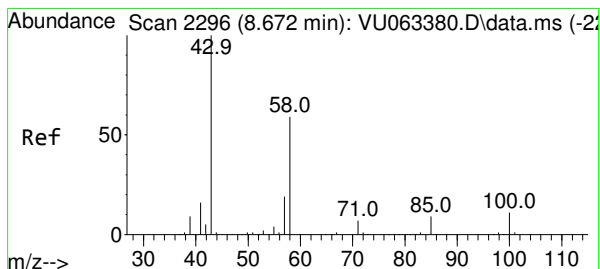
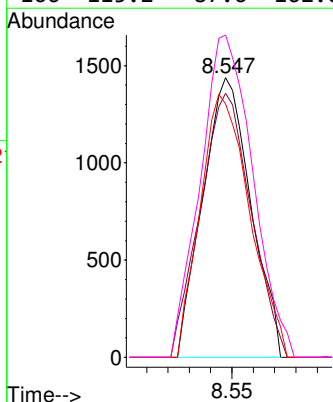
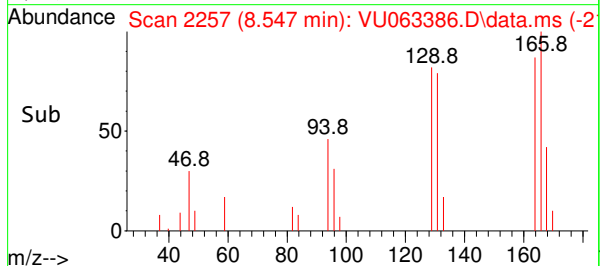
Instrument : MSVOA_U
ClientSampleId : MDL-WATER-QT2-2025-03



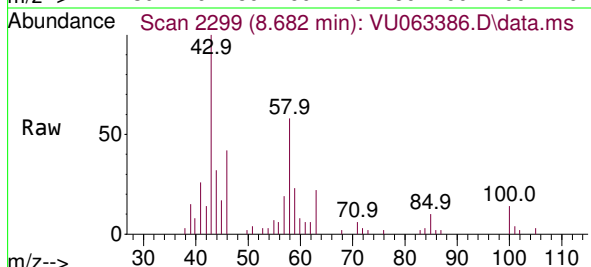
Tgt Ion: 164 Resp: 224
Ion Ratio Lower Upper
164 100
129 94.4 67.8 125.8
131 90.6 64.3 119.5
166 115.2 87.6 162.6

Manual Integrations
APPROVED

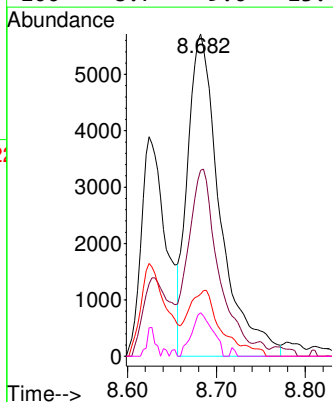
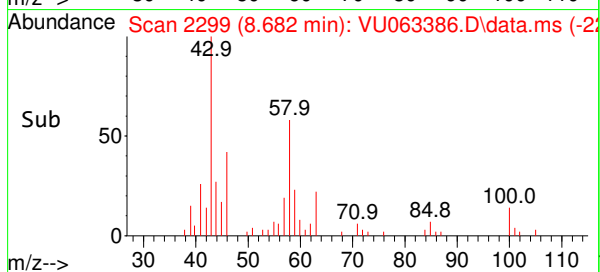
Reviewed By :John Carlone 06/12/2025
Supervised By :Mahesh Dadoda 06/12/2025

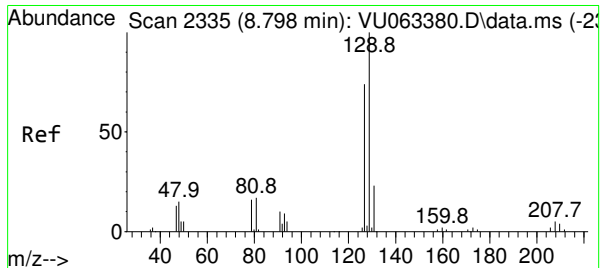


#48
2-Hexanone
Concen: 9.982 ug/L
RT: 8.682 min Scan# 2299
Delta R.T. 0.010 min
Lab File: VU063386.D
Acq: 11 Jun 2025 16:24



Tgt Ion: 43 Resp: 14527
Ion Ratio Lower Upper
43 100
58 49.7 46.6 69.8
57 15.5 15.8 23.6#
100 8.7 9.0 13.4#





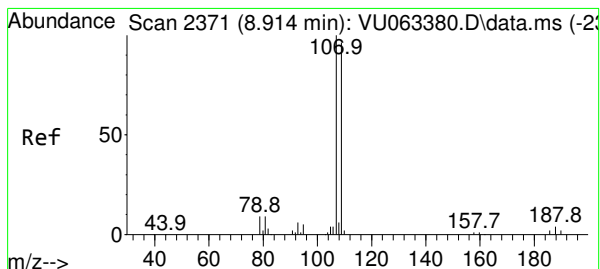
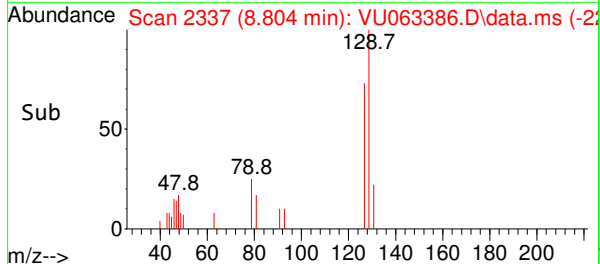
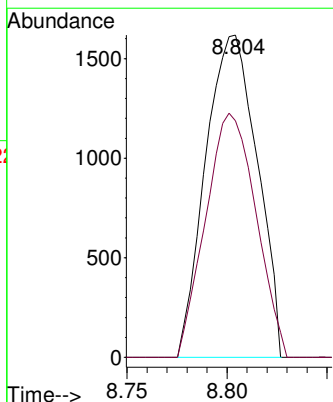
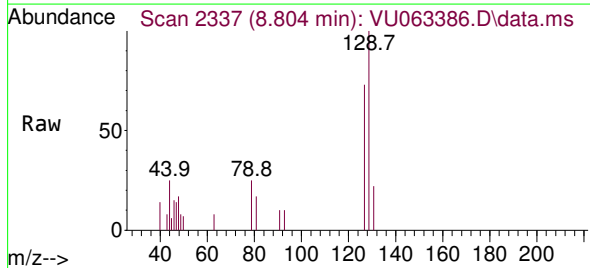
#49
Dibromochloromethane
Concen: 2.225 ug/L
RT: 8.804 min Scan# 2337
Delta R.T. 0.006 min
Lab File: VU063386.D
Acq: 11 Jun 2025 16:24

Instrument : MSVOA_U
ClientSampleId : MDL-WATER-QT2-2025-03

Tgt Ion:129 Resp: 296
Ion Ratio Lower Upper
129 100
127 73.4 54.0 100.4

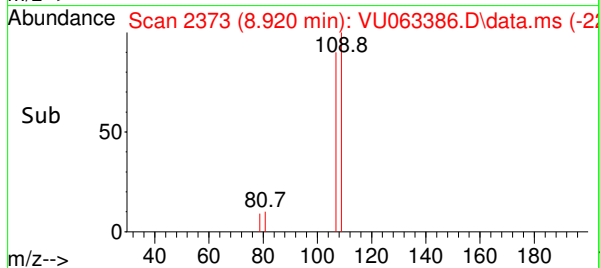
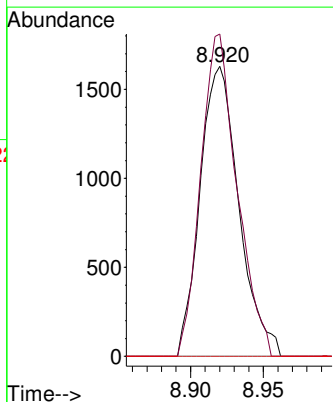
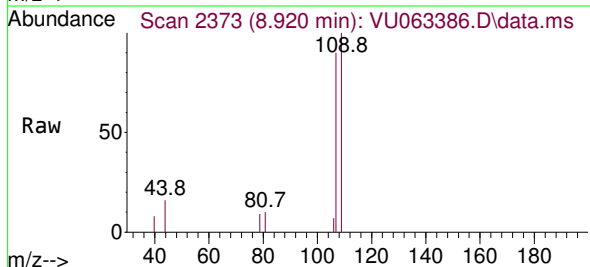
Manual Integrations
APPROVED

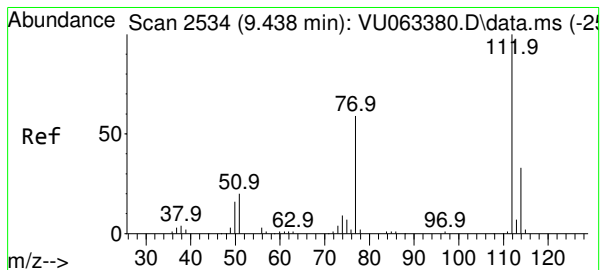
Reviewed By :John Carlone 06/12/2025
Supervised By :Mahesh Dadoda 06/12/2025



#50
1,2-Dibromoethane
Concen: 2.152 ug/L
RT: 8.920 min Scan# 2373
Delta R.T. 0.006 min
Lab File: VU063386.D
Acq: 11 Jun 2025 16:24

Tgt Ion:107 Resp: 3028
Ion Ratio Lower Upper
107 100
109 111.2 65.2 121.0
188 0.0 2.5 3.7#





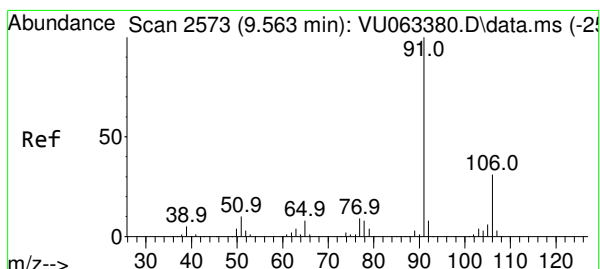
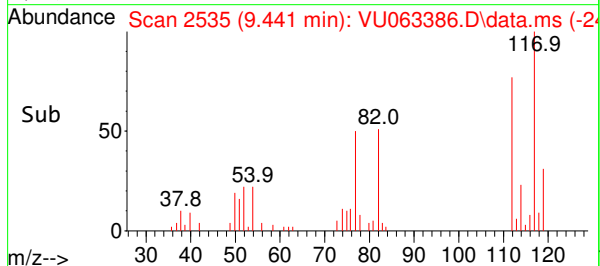
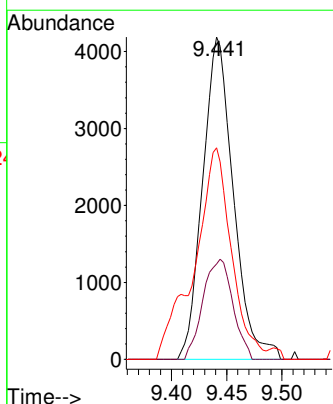
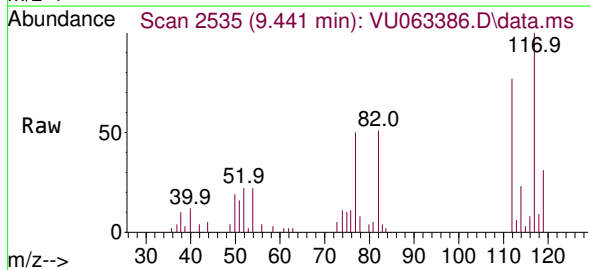
#51
Chlorobenzene
Concen: 2.358 ug/L
RT: 9.441 min Scan# 2535
Delta R.T. 0.003 min
Lab File: VU063386.D
Acq: 11 Jun 2025 16:24

Instrument : MSVOA_U
ClientSampleId :
MDL-WATER-QT2-2025-03

Tgt Ion	Ratio	Lower	Upper
112	100		
114	29.6	22.3	41.5
77	65.7	48.7	73.1

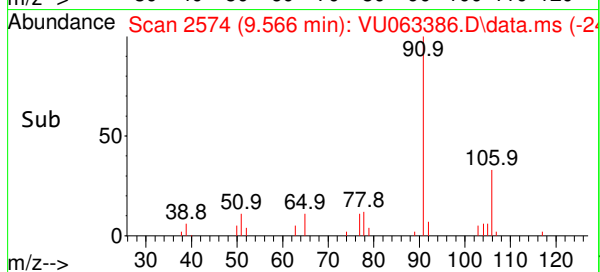
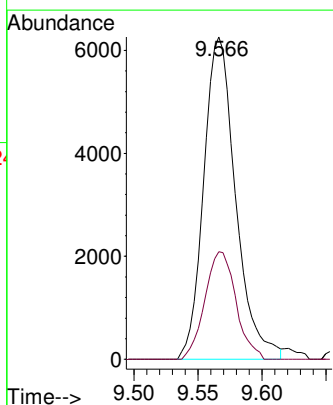
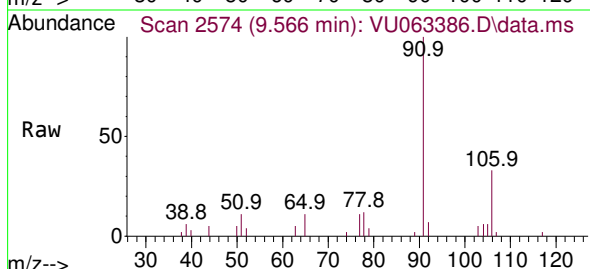
Manual Integrations
APPROVED

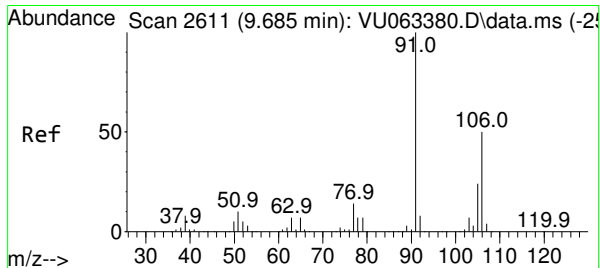
Reviewed By :John Carlone 06/12/2025
Supervised By :Mahesh Dadoda 06/12/2025



#52
Ethylbenzene
Concen: 1.959 ug/L
RT: 9.566 min Scan# 2574
Delta R.T. 0.003 min
Lab File: VU063386.D
Acq: 11 Jun 2025 16:24

Tgt Ion	Ratio	Lower	Upper
91	100		
106	35.6	21.5	39.9





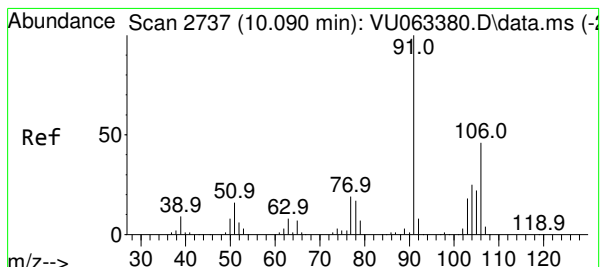
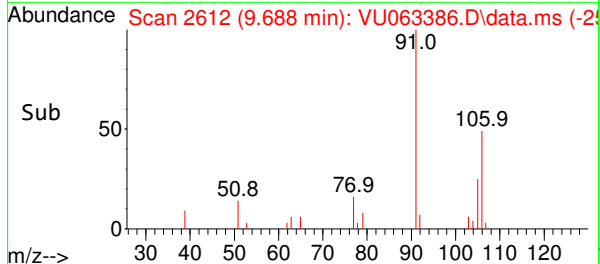
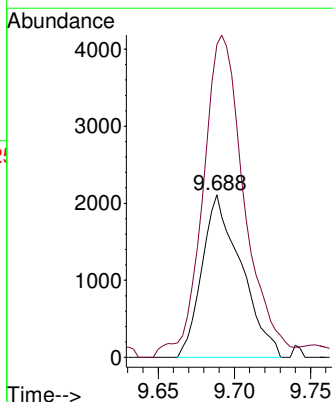
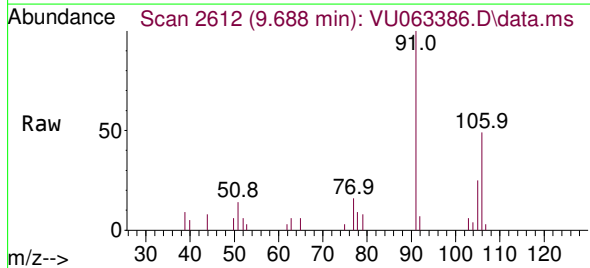
#53
m,p-Xylene
Concen: 1.835 ug/L
RT: 9.688 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU063386.D
Acq: 11 Jun 2025 16:24

Instrument : MSVOA_U
ClientSampleId :
MDL-WATER-QT2-2025-03

Tgt Ion:106 Resp: 376
Ion Ratio Lower Upper
106 100
91 192.6 147.3 273.6

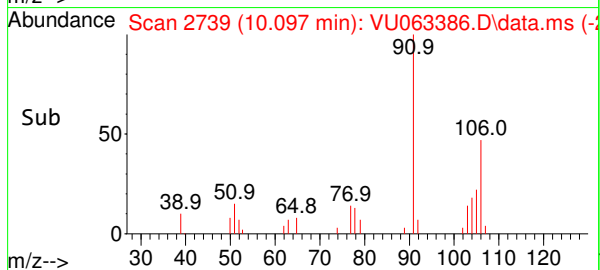
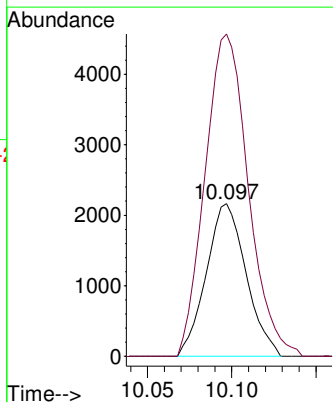
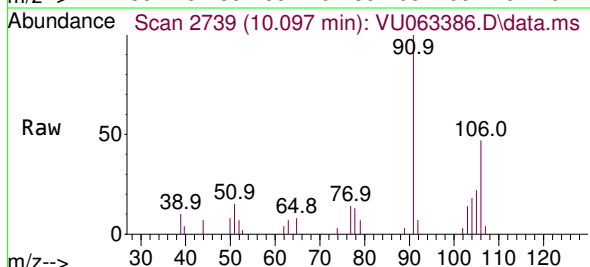
Manual Integrations
APPROVED

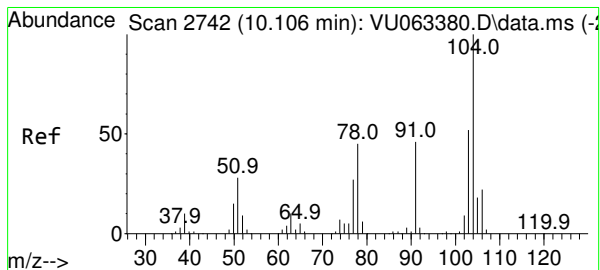
Reviewed By :John Carlone 06/12/2025
Supervised By :Mahesh Dadoda 06/12/2025



#54
o-Xylene
Concen: 1.821 ug/L
RT: 10.097 min Scan# 2739
Delta R.T. 0.007 min
Lab File: VU063386.D
Acq: 11 Jun 2025 16:24

Tgt Ion:106 Resp: 3563
Ion Ratio Lower Upper
106 100
91 211.2 156.7 291.1





#55

Styrene

Concen: 1.679 ug/L

RT: 10.116 min Scan# 2

Delta R.T. 0.010 min

Lab File: VU063386.D

Acq: 11 Jun 2025 16:24

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-QT2-2025-03

Tgt Ion: 104 Resp: 564

Ion Ratio Lower Upper

104 100

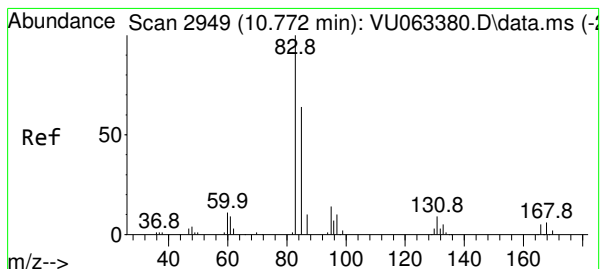
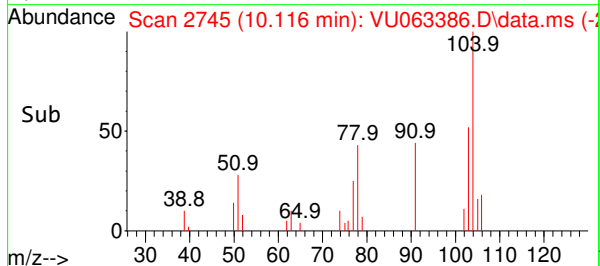
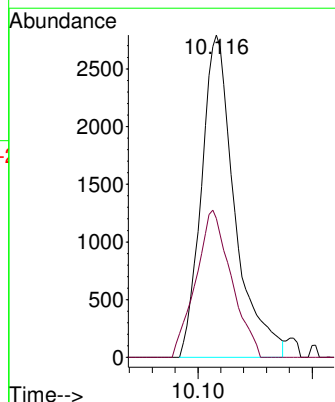
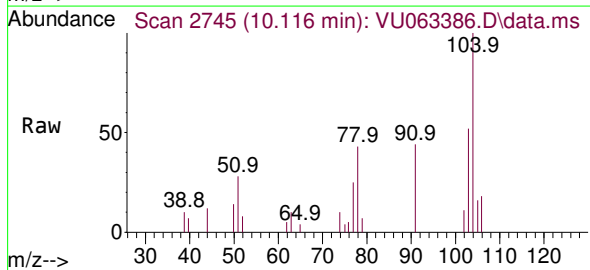
78 43.1 32.4 60.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 06/12/2025

Supervised By :Mahesh Dadoda 06/12/2025



#57

1,1,2,2-Tetrachloroethane

Concen: 2.526 ug/L

RT: 10.772 min Scan# 2949

Delta R.T. 0.000 min

Lab File: VU063386.D

Acq: 11 Jun 2025 16:24

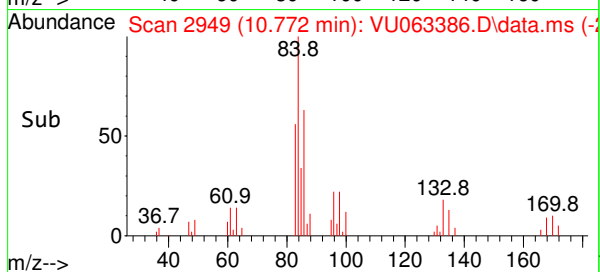
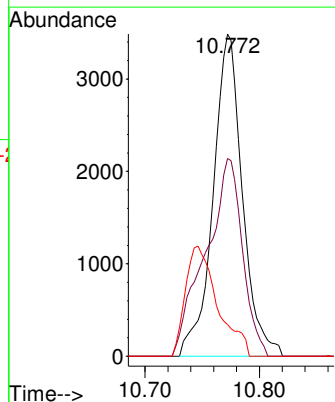
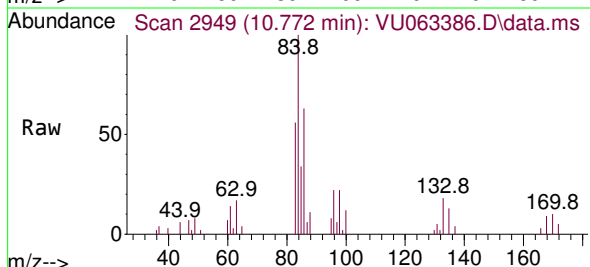
Tgt Ion: 83 Resp: 6217

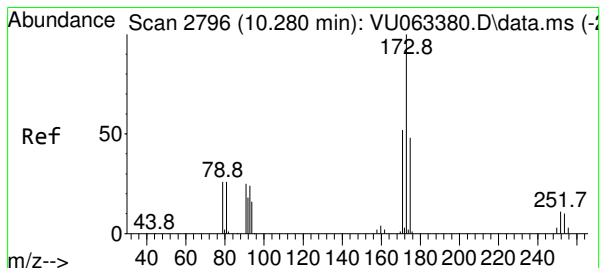
Ion Ratio Lower Upper

83 100

85 61.3 45.6 84.8

131 13.6 7.1 10.7#





#59

Bromoform

Concen: 2.305 ug/L

RT: 10.283 min Scan# 2

Delta R.T. 0.003 min

Lab File: VU063386.D

Acq: 11 Jun 2025 16:24

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-QT2-2025-03

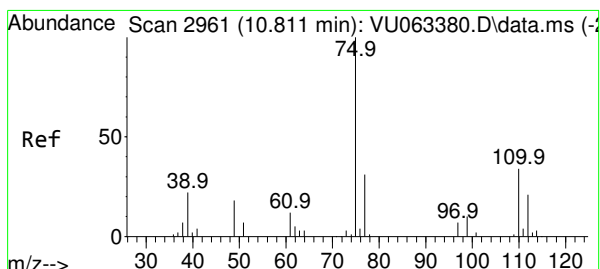
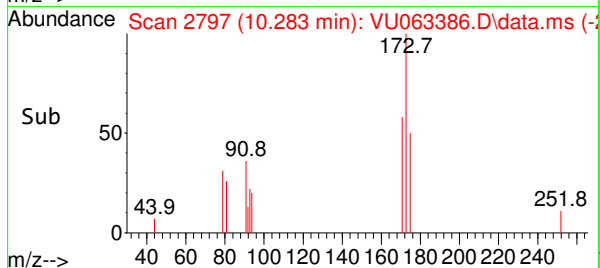
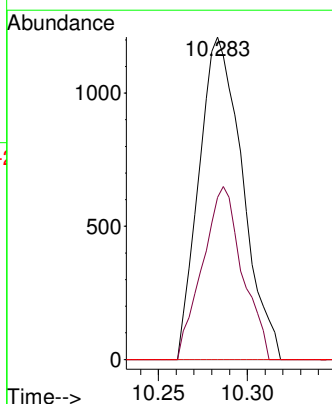
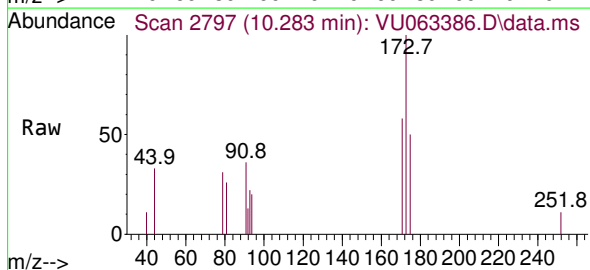
Tgt Ion:	173	Resp:	205
Ion	Ratio	Lower	Upper
173	100		
175	49.1	38.6	57.8
254	0.0	7.8	11.6

Manual Integrations

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Reviewed By :John Carlone 06/12/2025

Supervised By :Mahesh Dadoda 06/12/2025



#60

1,2,3-Trichloropropane

Concen: 2.700 ug/L

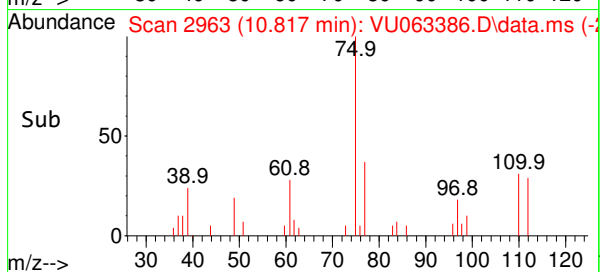
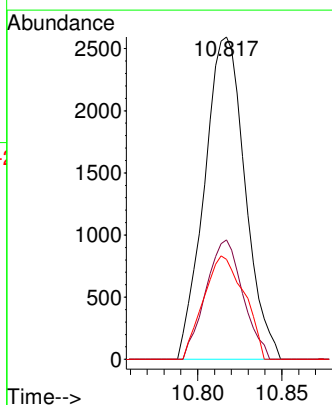
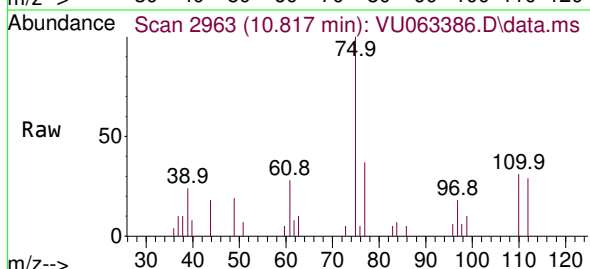
RT: 10.817 min Scan# 2963

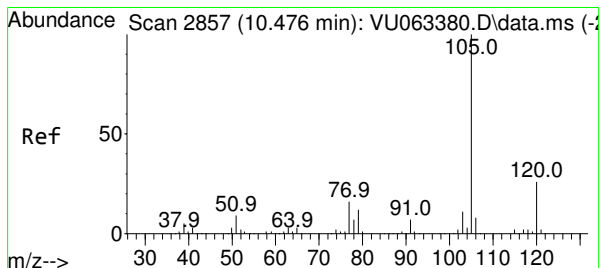
Delta R.T. 0.006 min

Lab File: VU063386.D

Acq: 11 Jun 2025 16:24

Tgt Ion:	75	Resp:	4358
Ion	Ratio	Lower	Upper
75	100		
77	33.8	25.9	38.9
110	32.1	27.8	41.8





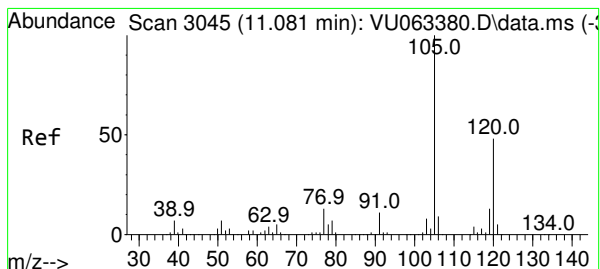
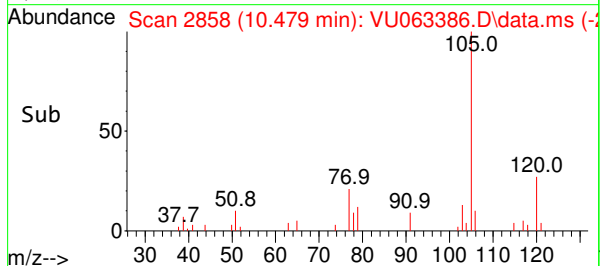
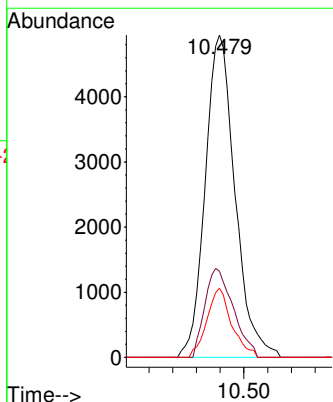
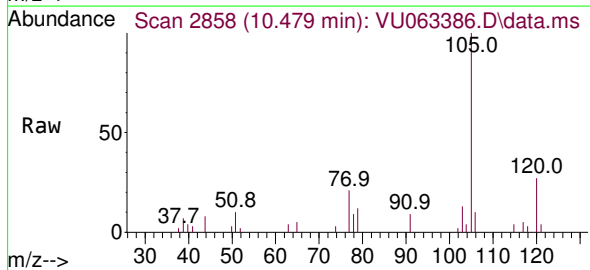
#61
Isopropylbenzene
Concen: 1.946 ug/L
RT: 10.479 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU063386.D
Acq: 11 Jun 2025 16:24

Instrument : MSVOA_U
ClientSampleId :
MDL-WATER-QT2-2025-03

Tgt Ion:105 Resp: 862
Ion Ratio Lower Upper
105 100
120 26.3 20.6 31.6
77 17.9 13.0 19.4

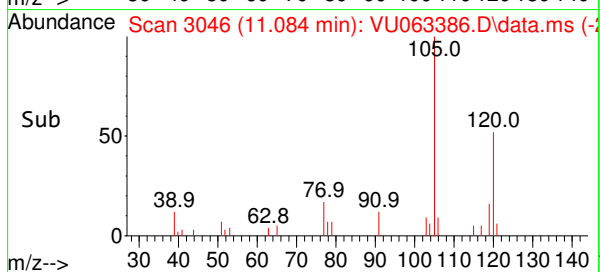
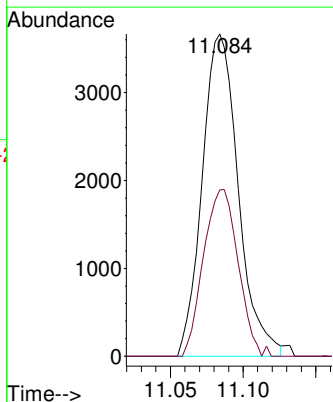
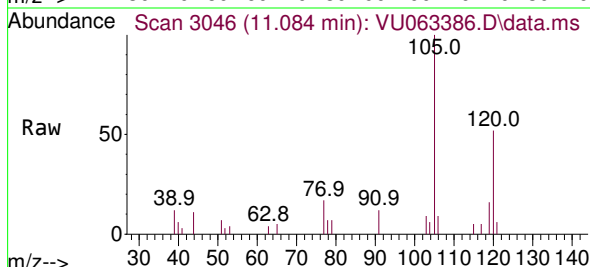
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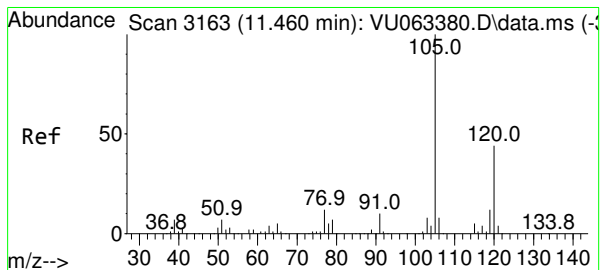
Reviewed By :John Carlone 06/12/2025
Supervised By :Mahesh Dadoda 06/12/2025



#62
1,3,5-Trimethylbenzene
Concen: 1.844 ug/L
RT: 11.084 min Scan# 3046
Delta R.T. 0.003 min
Lab File: VU063386.D
Acq: 11 Jun 2025 16:24

Tgt Ion:105 Resp: 6317
Ion Ratio Lower Upper
105 100
120 49.3 37.9 56.9





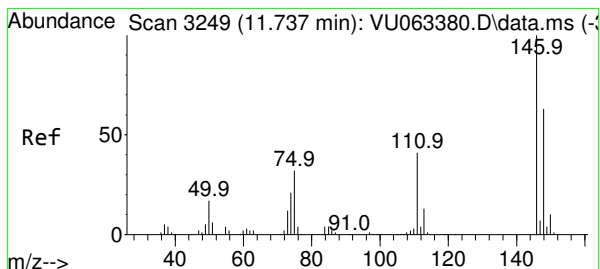
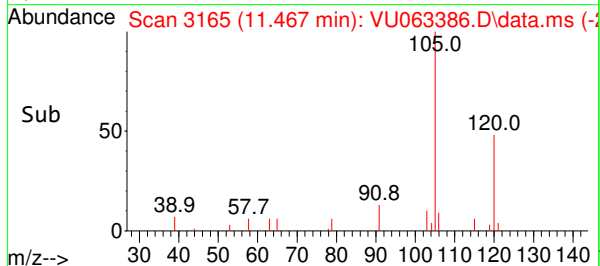
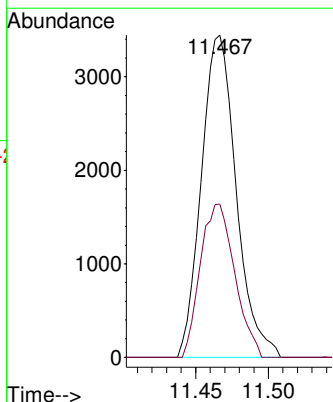
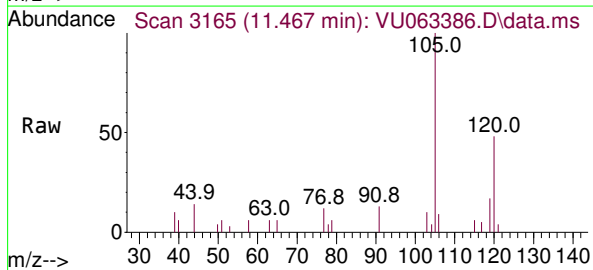
#63
1,2,4-Trimethylbenzene
Concen: 1.763 ug/L
RT: 11.467 min Scan# 3165
Delta R.T. 0.007 min
Lab File: VU063386.D
Acq: 11 Jun 2025 16:24

Instrument : MSVOA_U
ClientSampleId :
MDL-WATER-QT2-2025-03

Tgt Ion:105 Resp: 573
Ion Ratio Lower Upper
105 100
120 46.9 35.4 53.2

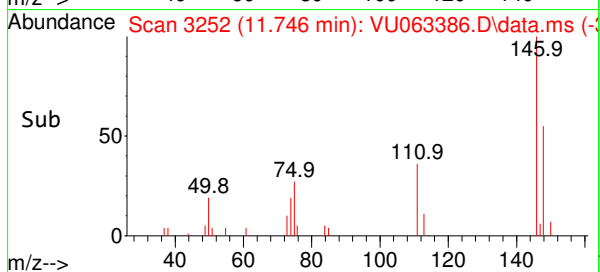
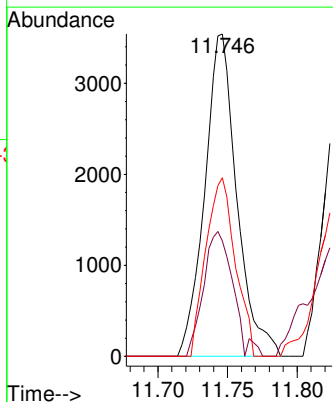
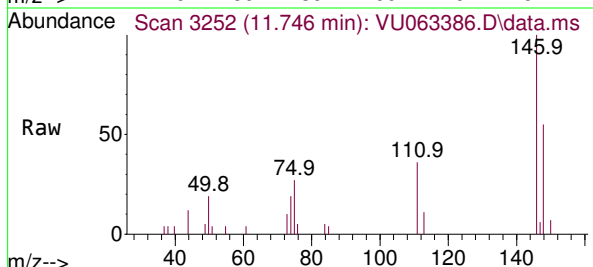
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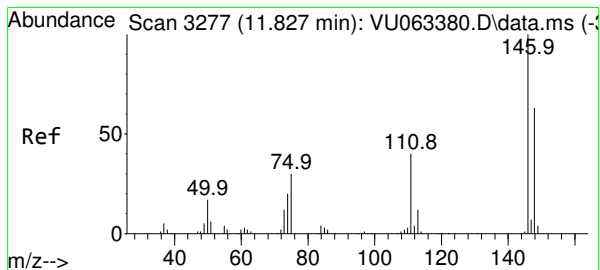
Reviewed By :John Carlone 06/12/2025
Supervised By :Mahesh Dadoda 06/12/2025



#64
1,3-Dichlorobenzene
Concen: 2.579 ug/L
RT: 11.746 min Scan# 3252
Delta R.T. 0.010 min
Lab File: VU063386.D
Acq: 11 Jun 2025 16:24

Tgt Ion:146 Resp: 5674
Ion Ratio Lower Upper
146 100
111 35.8 29.2 54.2
148 55.4 45.8 85.2





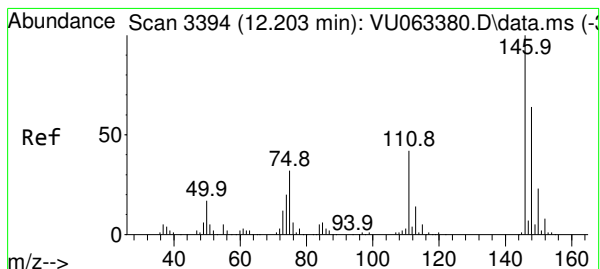
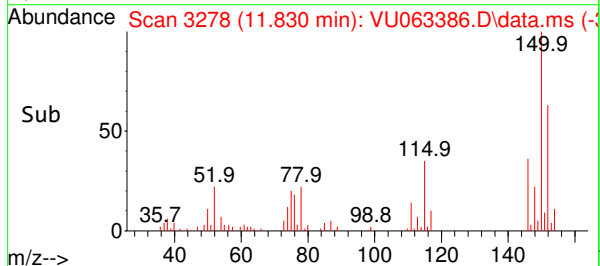
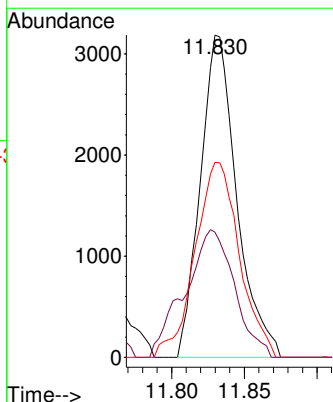
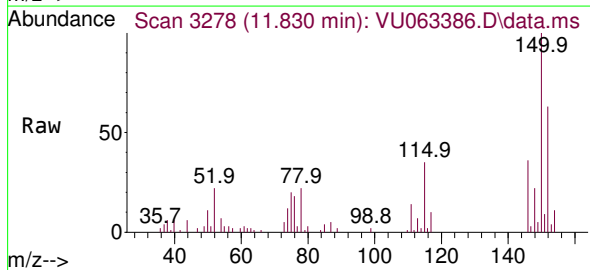
#65
 1,4-Dichlorobenzene
 Concen: 2.450 ug/L
 RT: 11.830 min Scan# 3278
 Delta R.T. 0.003 min
 Lab File: VU063386.D
 Acq: 11 Jun 2025 16:24

Instrument : MSVOA_U
 ClientSampleId :
 MDL-WATER-QT2-2025-03

Tgt Ion:	146	Resp:	554
Ion	Ratio	Lower	Upper
146	100		
111	39.5	27.5	51.1
148	56.1	44.7	82.9

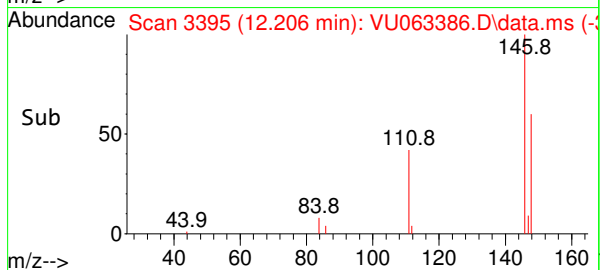
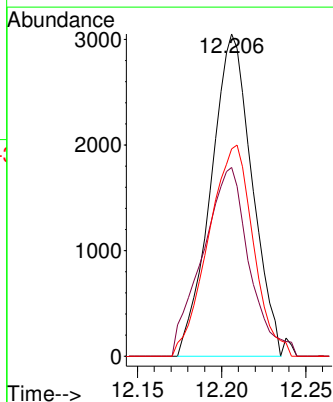
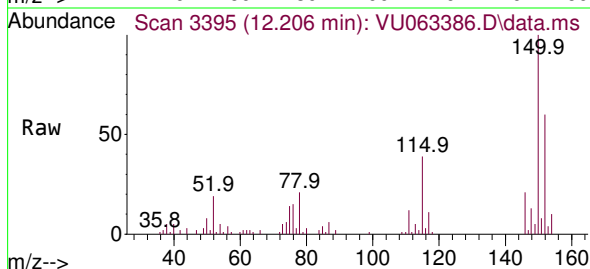
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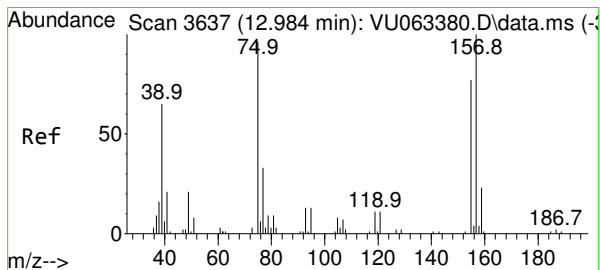
Reviewed By :John Carlone 06/12/2025
 Supervised By :Mahesh Dadoda 06/12/2025



#67
 1,2-Dichlorobenzene
 Concen: 2.332 ug/L
 RT: 12.206 min Scan# 3395
 Delta R.T. 0.003 min
 Lab File: VU063386.D
 Acq: 11 Jun 2025 16:24

Tgt Ion:	146	Resp:	5180
Ion	Ratio	Lower	Upper
146	100		
111	62.5	34.7	52.1#
148	64.3	51.3	76.9





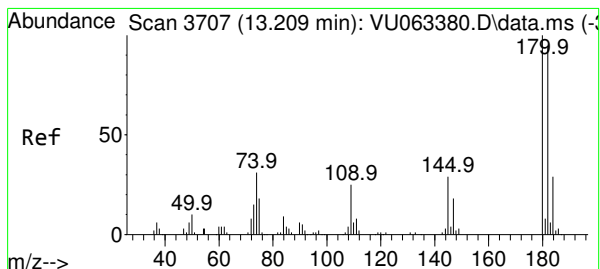
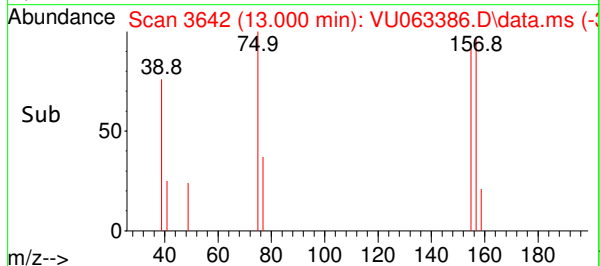
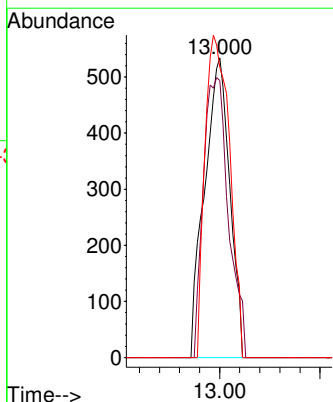
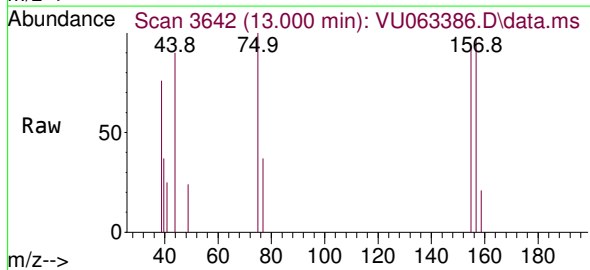
#68
1,2-Dibromo-3-chloropropane
Concen: 2.134 ug/L m
RT: 13.000 min Scan# 3
Delta R.T. 0.016 min
Lab File: VU063386.D
Acq: 11 Jun 2025 16:24

Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT2-2025-03

Tgt Ion: 75 Resp: 92
Ion Ratio Lower Upper
75 100
155 92.5 68.4 102.6
157 96.8 84.2 126.4

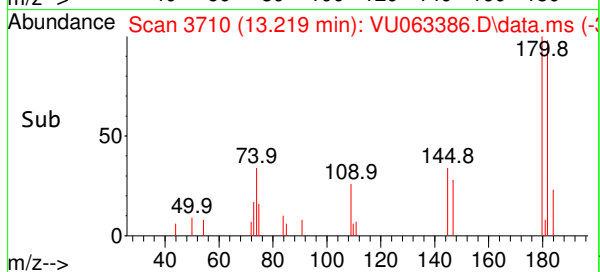
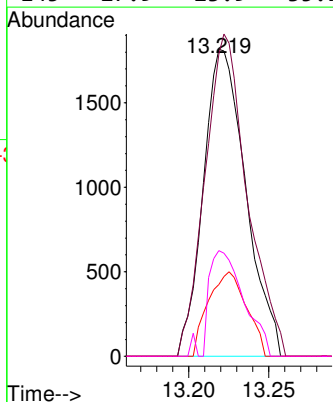
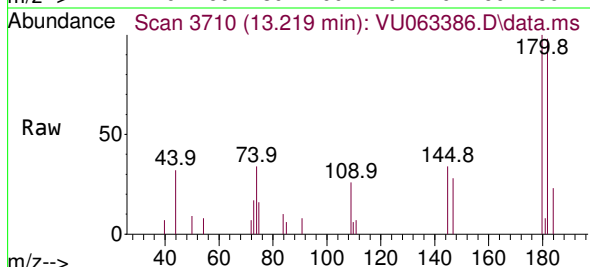
Manual Integrations
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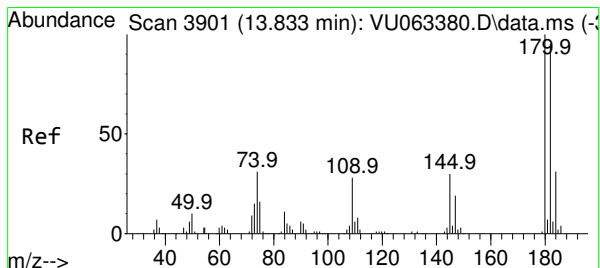
Reviewed By :John Carlone 06/12/2025
Supervised By :Mahesh Dadoda 06/12/2025



#69
1,3,5-Trichlorobenzene
Concen: 2.254 ug/L
RT: 13.219 min Scan# 3710
Delta R.T. 0.010 min
Lab File: VU063386.D
Acq: 11 Jun 2025 16:24

Tgt Ion:180 Resp: 3358
Ion Ratio Lower Upper
180 100
182 104.1 77.2 115.8
184 24.8 24.3 36.5
145 27.9 23.9 35.9





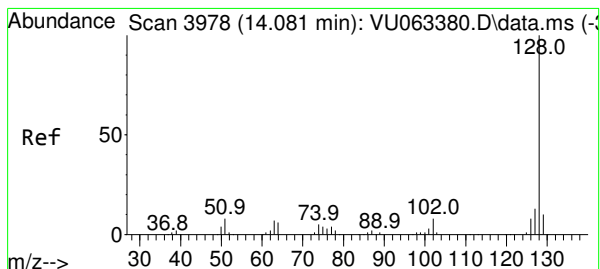
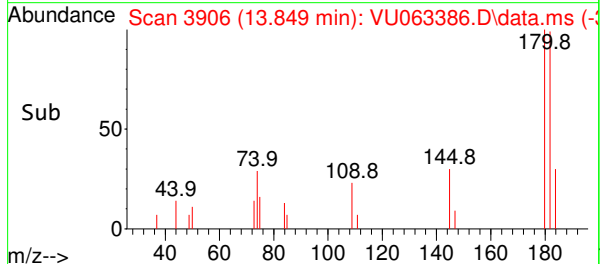
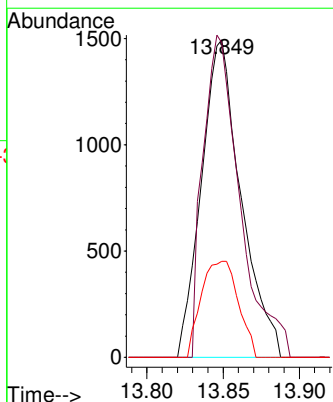
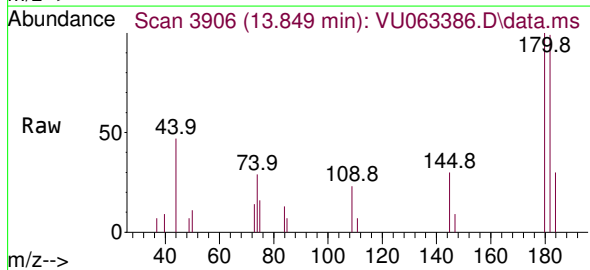
#70
1,2,4-trichlorobenzene
Concen: 2.329 ug/L
RT: 13.849 min Scan# 3906
Delta R.T. 0.016 min
Lab File: VU063386.D
Acq: 11 Jun 2025 16:24

Instrument : MSVOA_U
ClientSampleId :
MDL-WATER-QT2-2025-03

Tgt Ion:180 Resp: 269
Ion Ratio Lower Upper
180 100
182 94.9 75.8 113.8
145 28.3 24.0 36.0

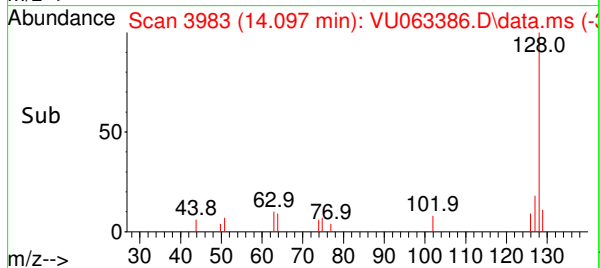
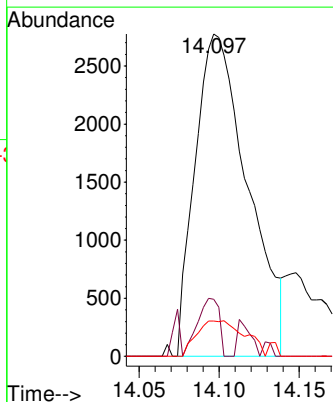
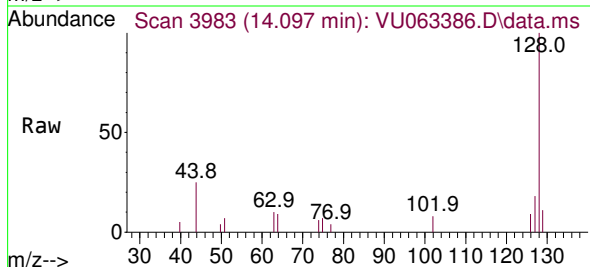
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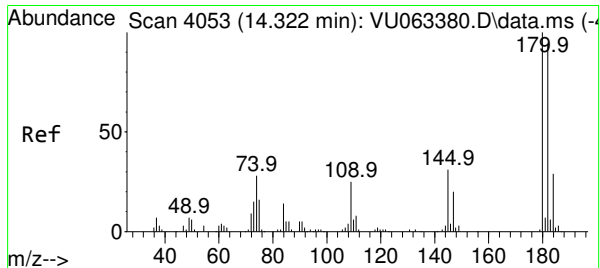
Reviewed By :John Carlone 06/12/2025
Supervised By :Mahesh Dadoda 06/12/2025



#71
Naphthalene
Concen: 2.037 ug/L
RT: 14.097 min Scan# 3983
Delta R.T. 0.016 min
Lab File: VU063386.D
Acq: 11 Jun 2025 16:24

Tgt Ion:128 Resp: 6354
Ion Ratio Lower Upper
128 100
127 7.4 10.2 15.4#
129 5.0 8.6 12.8#





#72
 1,2,3-Trichlorobenzene
 Concen: 1.912 ug/L
 RT: 14.331 min Scan# 4
 Delta R.T. 0.010 min
 Lab File: VU063386.D
 Acq: 11 Jun 2025 16:24

Instrument : MSVOA_U
 ClientSampleId :
 MDL-WATER-QT2-2025-03

Tgt Ion:180 Resp: 218
 Ion Ratio Lower Upper
 180 100
 182 102.0 77.3 115.9
 145 15.4 25.7 38.5

Manual Integrations
 APPROVED

Reviewed By :John Carlone 06/12/2025
 Supervised By :Mahesh Dadoda 06/12/2025

