

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU091825\
 Data File : VU063609.D
 Acq On : 18 Sep 2025 10:09
 Operator : MD/SY
 Sample : Q2899-02
 Misc : 25mL/MSVOA_U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-QT3-2025-06

Quant Time: Sep 19 06:37:57 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR091725WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Sep 19 06:13:08 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 09/22/2025
 Supervised By :Mahesh Dadoda 09/22/2025

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

Internal Standards						
1) 1,4-Difluorobenzene	6.238	114	149197	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.409	117	137238	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	65913	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.589	65	35038	4.568	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	91.400%
7) Chloroethane-d5	1.898	69	34325	4.655	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	93.200%
11) 1,1-Dichloroethene-d2	2.550	65	15948	4.358	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	87.200%
20) 2-Butanone-d5	4.621	46	98117	44.453	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	88.900%
24) Chloroform-d	5.049	84	79591	4.342	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	86.800%
26) 1,2-Dichloroethane-d4	5.692	65	44825	4.586	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.800%
32) Benzene-d6	5.714	84	150202	4.558	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.200%
36) 1,2-Dichloropropane-d6	6.679	67	52474	4.920	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	98.400%
41) Toluene-d8	7.888	98	136522	4.617	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.400%
43) trans-1,3-Dichloroprop...	8.174	79	12685	4.344	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	86.800%
46) 2-Hexanone-d5	8.624	63	71426	46.432	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	92.860%
56) 1,1,2,2-Tetrachloroeth...	10.746	84	38585	4.487	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	89.800%
66) 1,2-Dichlorobenzene-d4	12.187	152	49003	4.785	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	95.800%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.380	85	2840	0.239	ug/L #	87
3) Chloromethane	1.512	50	3317	0.252	ug/L	96
5) Vinyl chloride	1.592	62	3832	0.272	ug/L	85
6) Bromomethane	1.840	94	2533	0.305	ug/L	87
8) Chloroethane	1.920	64	1883	0.217	ug/L	90
9) Trichlorofluoromethane	2.126	101	4223	0.229	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.567	101	2800	0.269	ug/L	91
12) 1,1-Dichloroethene	2.567	96	2396	0.248	ug/L #	1
14) Carbon disulfide	2.779	76	5999	0.235	ug/L	98
16) Methylene chloride	3.033	84	4116	0.364	ug/L	93
17) Methyl tert-butyl Ether	3.354	73	5129	0.216	ug/L	96
18) trans-1,2-Dichloroethene	3.351	96	2335	0.234	ug/L	95
19) 1,1-Dichloroethane	3.859	63	4462	0.220	ug/L #	81
21) 2-Butanone	4.734	43	9373m	3.333	ug/L	
22) cis-1,2-Dichloroethene	4.660	96	2547m	0.225	ug/L	
23) Bromochloromethane	4.968	128	930	0.185	ug/L	92
25) Chloroform	5.084	83	5311	0.255	ug/L	99
27) 1,2-Dichloroethane	5.795	62	3426	0.248	ug/L #	76
30) Cyclohexane	5.370	56	4164	0.224	ug/L	91

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
31) Carbon tetrachloride	5.518	117	2387	0.194	ug/L	91
33) Benzene	5.763	78	10638	0.248	ug/L	100
35) Methylcyclohexane	6.750	83	4320	0.241	ug/L	96
37) 1,2-Dichloropropane	6.782	63	2751m	0.237	ug/L	
38) Bromodichloromethane	7.094	83	2635	0.212	ug/L #	94
39) cis-1,3-Dichloropropene	7.602	75	3092	0.235	ug/L	93
40) 4-Methyl-2-pentanone	7.788	43	14377	2.162	ug/L #	89
42) Toluene	7.965	91	11018	0.240	ug/L	97
44) trans-1,3-Dichloropropene	8.209	75	2931m	0.303	ug/L	
45) 1,1,2-Trichloroethane	8.396	97	1827	0.230	ug/L #	90
48) 2-Hexanone	8.679	43	21232m	4.552	ug/L	
49) Dibromochloromethane	8.801	129	1463	0.201	ug/L	96
50) 1,2-Dibromoethane	8.917	107	1527	0.215	ug/L #	96
51) Chlorobenzene	9.441	112	6825	0.229	ug/L	95
52) Ethylbenzene	9.566	91	11365	0.224	ug/L	100
53) m,p-Xylene	9.695	106	4355	0.229	ug/L	91
54) o-Xylene	10.097	106	3808	0.207	ug/L	95
55) Styrene	10.116	104	5857	0.194	ug/L #	79
57) 1,1,2,2-Tetrachloroethane	10.769	83	2362	0.249	ug/L #	92
59) Bromoform	10.283	173	787	0.221	ug/L #	92
60) Isopropylbenzene	10.479	105	11149	0.235	ug/L	99
61) 1,2,3-Trichloropropane	10.817	75	1581	0.242	ug/L	90
62) 1,3,5-Trimethylbenzene	11.084	105	8712	0.226	ug/L	98
63) 1,2,4-Trimethylbenzene	11.463	105	8232	0.224	ug/L	94
64) 1,3-Dichlorobenzene	11.746	146	5056	0.238	ug/L	96
65) 1,4-Dichlorobenzene	11.830	146	5739	0.268	ug/L	98
67) 1,2-Dichlorobenzene	12.203	146	4853	0.245	ug/L #	91
68) 1,2-Dibromo-3-chloropr...	12.997	75	220m	0.218	ug/L	
69) 1,3,5-Trichlorobenzene	13.219	180	4018m	0.253	ug/L	
70) 1,2,4-trichlorobenzene	13.843	180	3596	0.293	ug/L	96
71) Naphthalene	14.100	128	6584m	0.359	ug/L	
72) 1,2,3-Trichlorobenzene	14.331	180	2998	0.285	ug/L	98

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

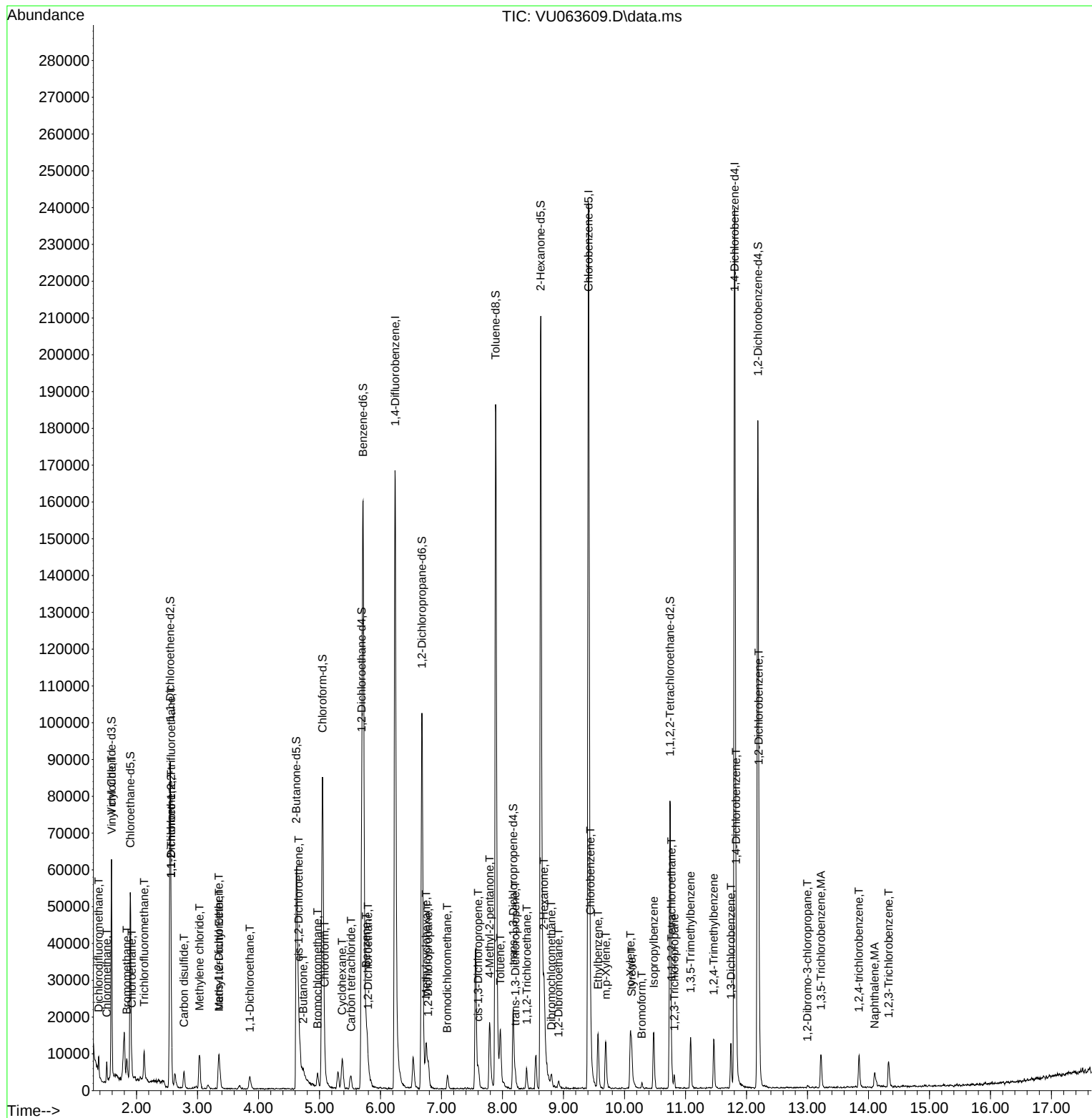
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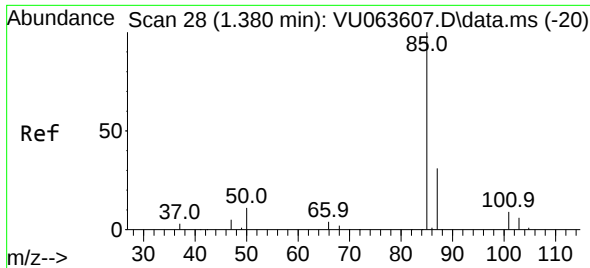
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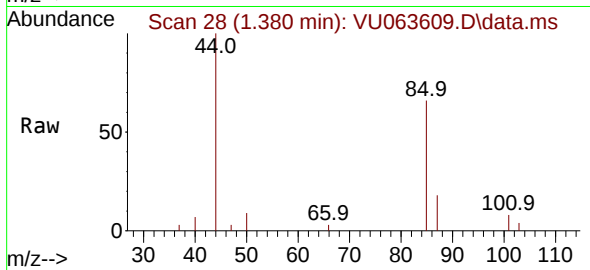
Reviewed By : Semsettin Yesilyurt 09/22/2025
Supervised By : Mahesh Dadoda 09/22/2025





#2
 Dichlorodifluoromethane
 Concen: 0.239 ug/L
 RT: 1.380 min Scan# 28
 Delta R.T. -0.000 min
 Lab File: VU063609.D
 Acq: 18 Sep 2025 10:09

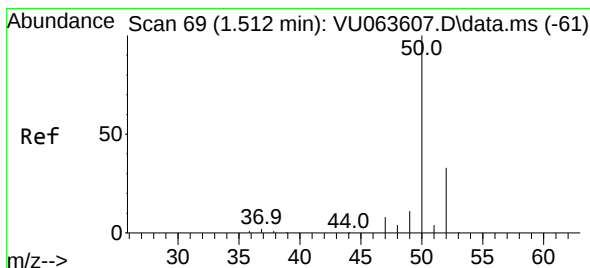
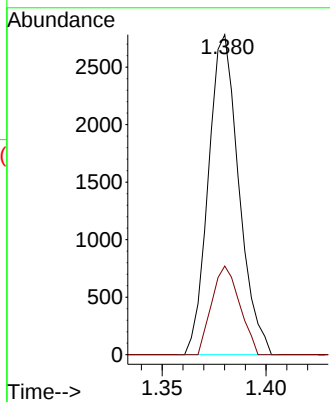
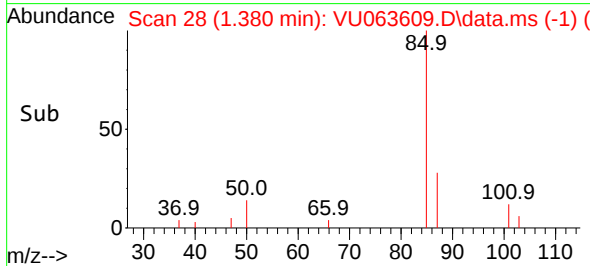
Instrument : MSVOA_U
 ClientSampleId :
 MDL-WATER-QT3-2025-06



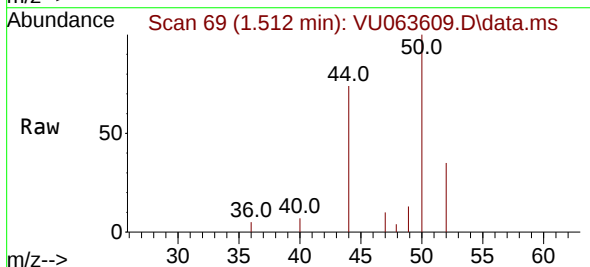
Tgt Ion: 85 Resp: 2840
 Ion Ratio Lower Upper
 85 100
 87 25.2 25.8 38.8

Manual Integrations
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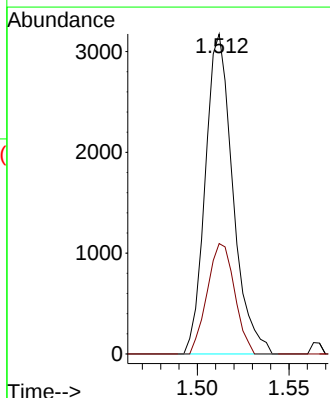
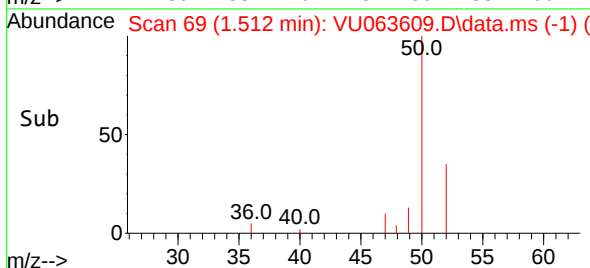
Reviewed By :Semsettin Yesilyurt 09/22/2025
 Supervised By :Mahesh Dadoda 09/22/2025

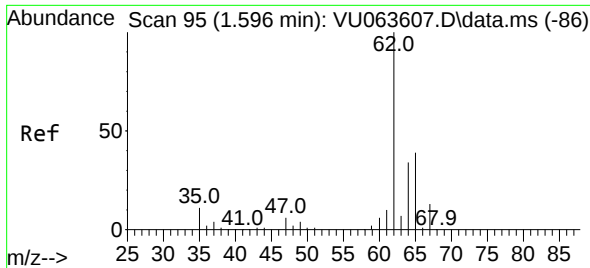


#3
 Chloromethane
 Concen: 0.252 ug/L
 RT: 1.512 min Scan# 69
 Delta R.T. -0.000 min
 Lab File: VU063609.D
 Acq: 18 Sep 2025 10:09



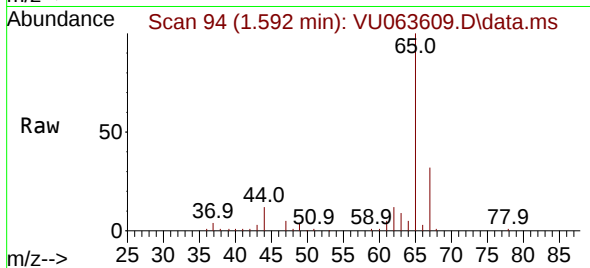
Tgt Ion: 50 Resp: 3317
 Ion Ratio Lower Upper
 50 100
 52 34.5 22.6 42.0





#5
 Vinyl chloride
 Concen: 0.272 ug/L
 RT: 1.592 min Scan# 94
 Delta R.T. -0.003 min
 Lab File: VU063609.D
 Acq: 18 Sep 2025 10:09

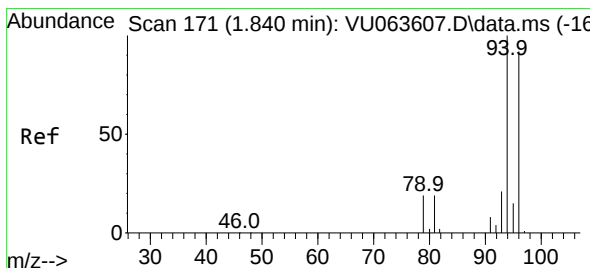
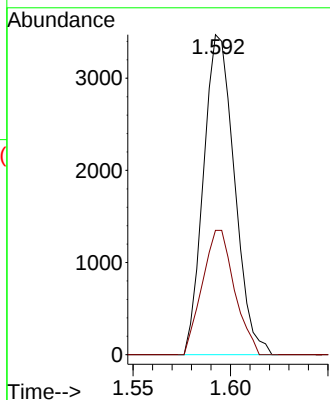
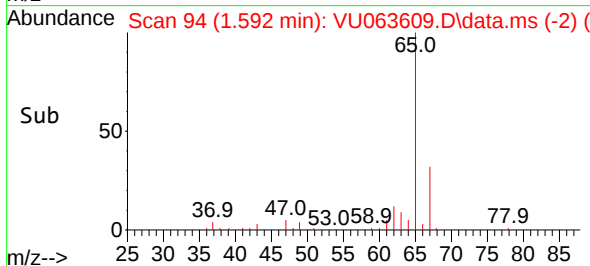
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-QT3-2025-06



Tgt Ion: 62 Resp: 3832
 Ion Ratio Lower Upper
 62 100
 64 38.9 21.5 39.9

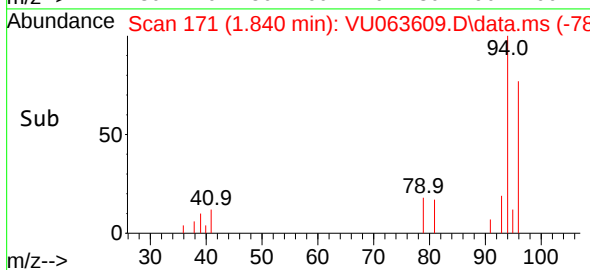
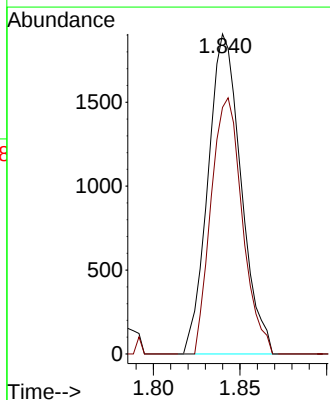
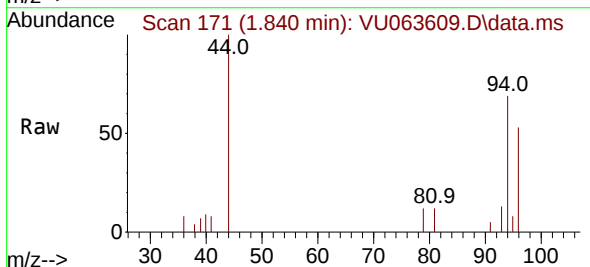
Manual Integrations
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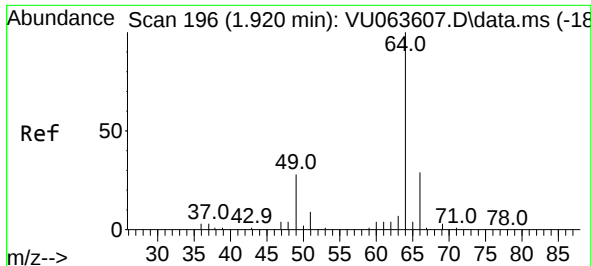
Reviewed By :Semsettin Yesilyurt 09/22/2025
 Supervised By :Mahesh Dadoda 09/22/2025



#6
 Bromomethane
 Concen: 0.305 ug/L
 RT: 1.840 min Scan# 171
 Delta R.T. -0.000 min
 Lab File: VU063609.D
 Acq: 18 Sep 2025 10:09

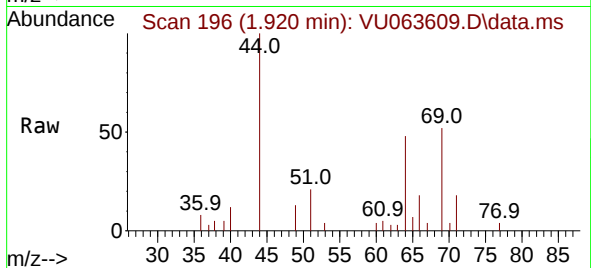
Tgt Ion: 94 Resp: 2533
 Ion Ratio Lower Upper
 94 100
 96 77.0 62.4 116.0





#8
Chloroethane
Concen: 0.217 ug/L
RT: 1.920 min Scan# 196
Delta R.T. -0.000 min
Lab File: VU063609.D
Acq: 18 Sep 2025 10:09

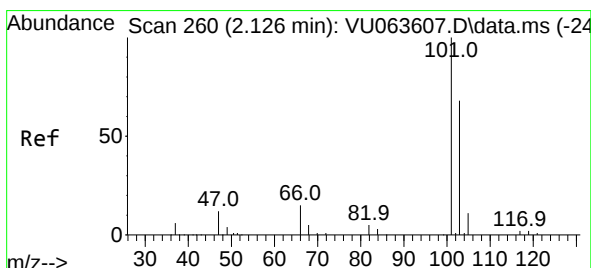
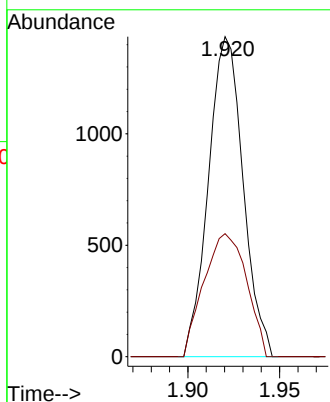
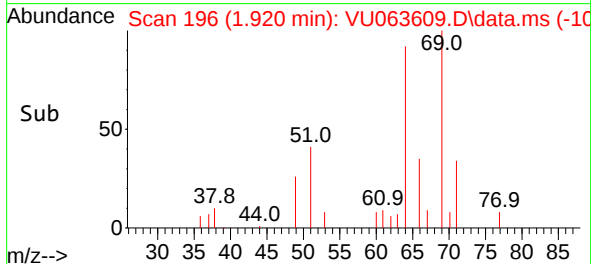
Instrument : MSVOA_U
ClientSampleId :
MDL-WATER-QT3-2025-06



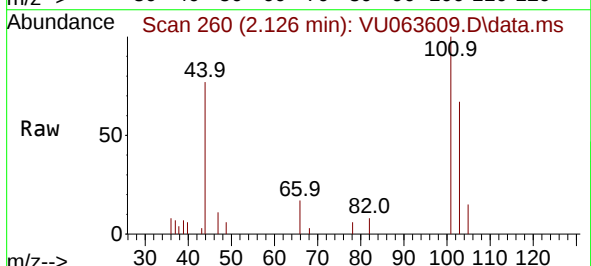
Tgt Ion: 64 Resp: 188
Ion Ratio Lower Upper
64 100
66 38.4 23.0 42.8

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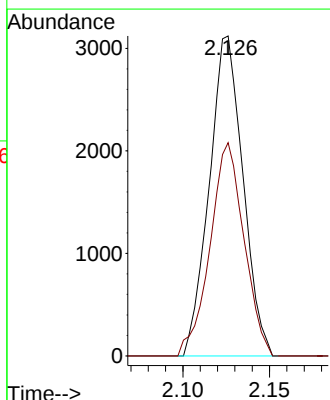
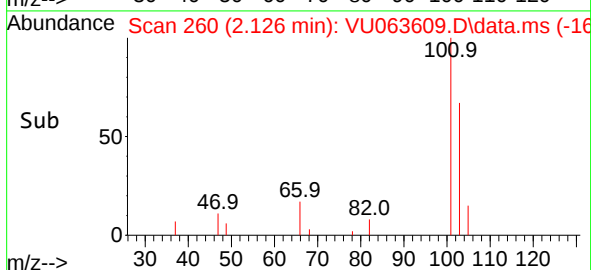
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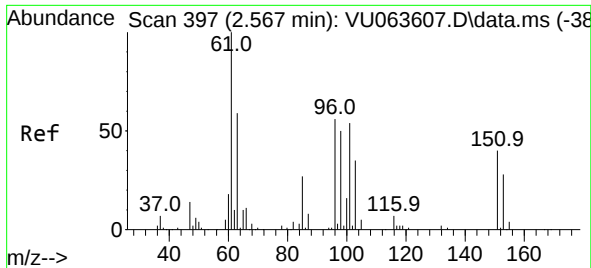


#9
Trichlorofluoromethane
Concen: 0.229 ug/L
RT: 2.126 min Scan# 260
Delta R.T. -0.000 min
Lab File: VU063609.D
Acq: 18 Sep 2025 10:09



Tgt Ion:101 Resp: 4223
Ion Ratio Lower Upper
101 100
103 67.0 52.8 79.2





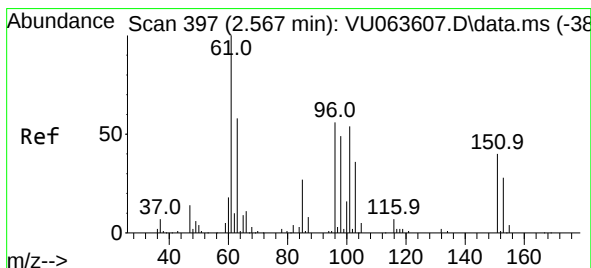
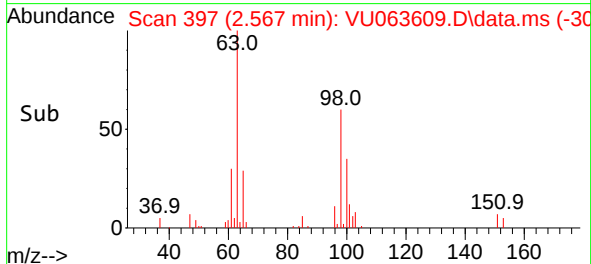
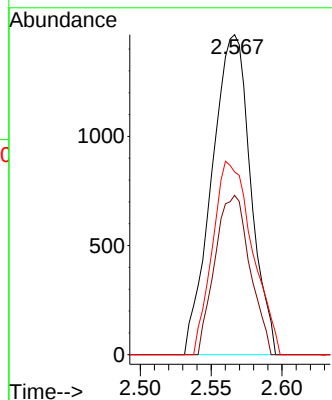
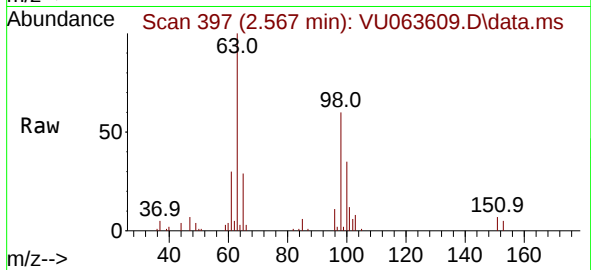
#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.269 ug/L
RT: 2.567 min Scan# 397
Delta R.T. -0.000 min
Lab File: VU063609.D
Acq: 18 Sep 2025 10:09

Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT3-2025-06

Tgt Ion: 101 Resp: 2800
Ion Ratio Lower Upper
101 100
85 44.9 36.4 54.6
151 61.8 59.2 88.8

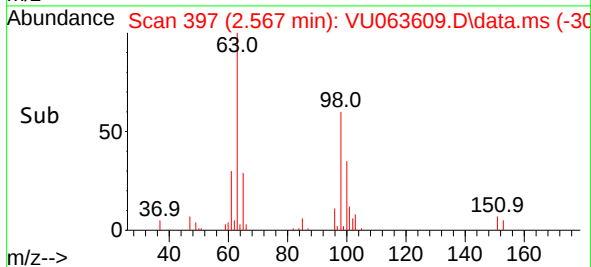
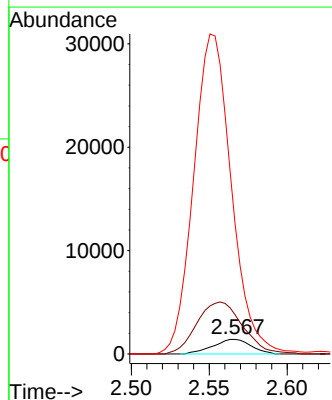
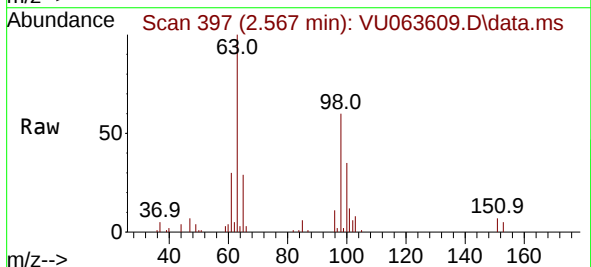
Manual Integrations
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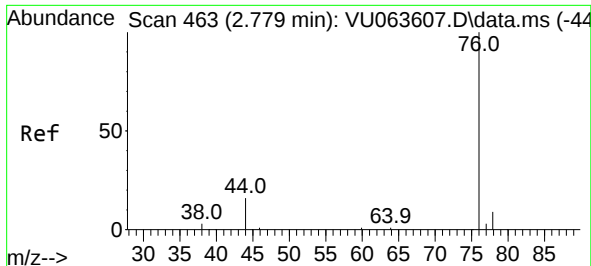
Reviewed By :Semsettin Yesilyurt 09/22/2025
Supervised By :Mahesh Dadoda 09/22/2025



#12
1,1-Dichloroethene
Concen: 0.248 ug/L
RT: 2.567 min Scan# 397
Delta R.T. -0.000 min
Lab File: VU063609.D
Acq: 18 Sep 2025 10:09

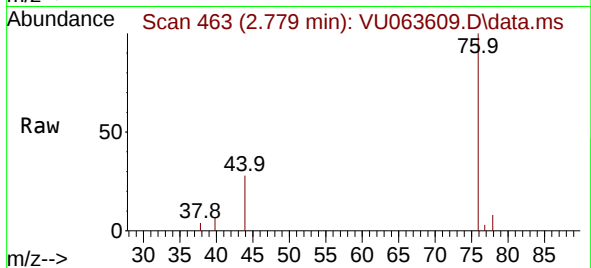
Tgt Ion: 96 Resp: 2396
Ion Ratio Lower Upper
96 100
61 269.5 132.4 245.8#
63 892.4 89.0 165.4#





#14
Carbon disulfide
Concen: 0.235 ug/L
RT: 2.779 min Scan# 409
Delta R.T. -0.000 min
Lab File: VU063609.D
Acq: 18 Sep 2025 10:09

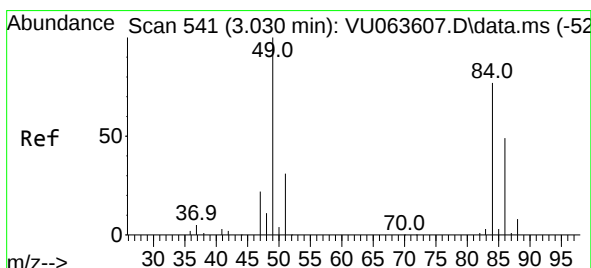
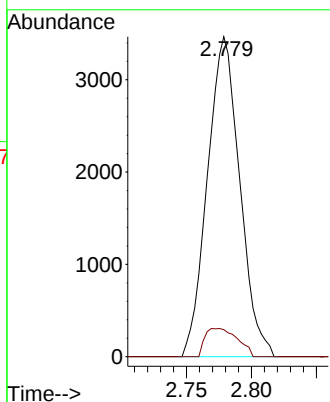
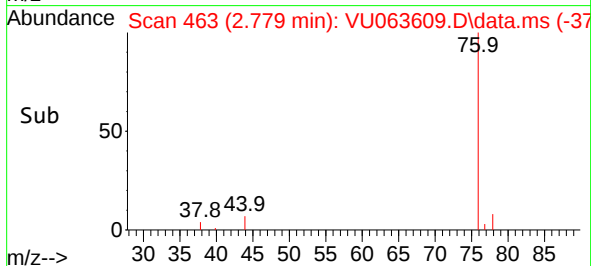
Instrument :
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ClientSampleId :
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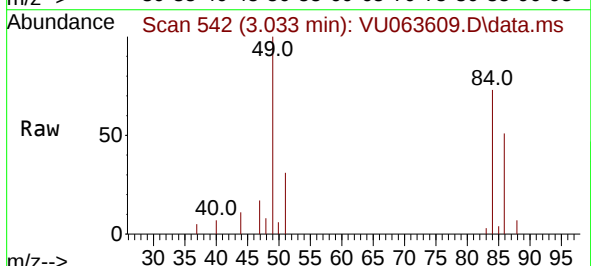
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Ion Ratio Lower Upper
76 100
78 8.5 7.4 11.0

Manual Integrations
APPROVED

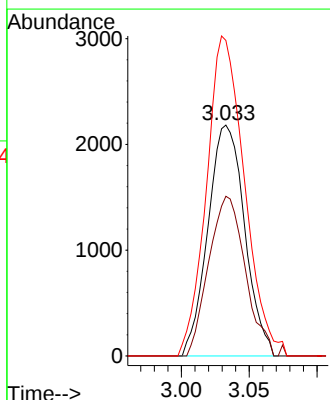
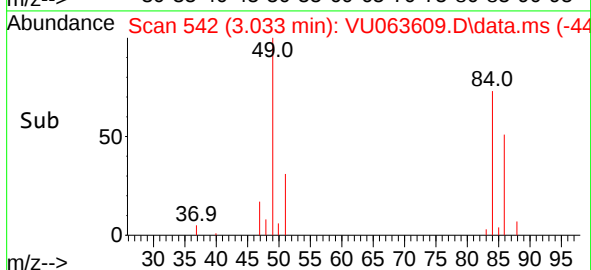
Reviewed By :Semsettin Yesilyurt 09/22/2025
Supervised By :Mahesh Dadoda 09/22/2025

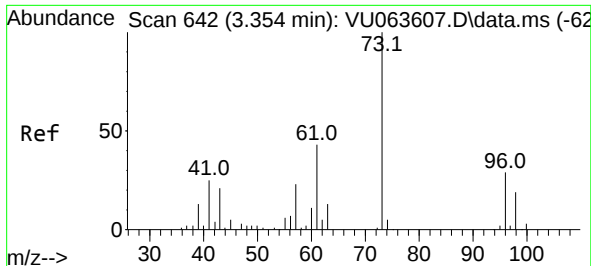


#16
Methylene chloride
Concen: 0.364 ug/L
RT: 3.033 min Scan# 542
Delta R.T. 0.003 min
Lab File: VU063609.D
Acq: 18 Sep 2025 10:09



Tgt Ion: 84 Resp: 4116
Ion Ratio Lower Upper
84 100
86 69.2 43.1 80.1
49 136.7 90.6 168.2





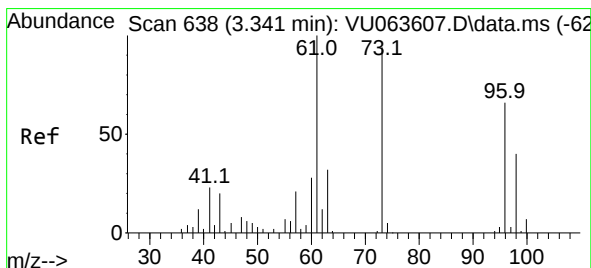
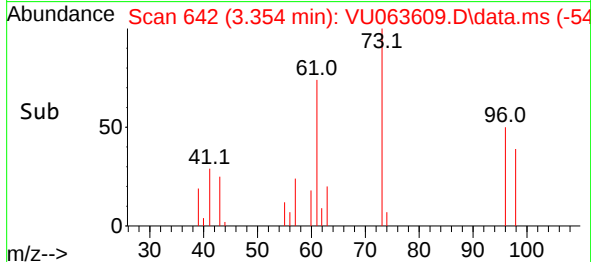
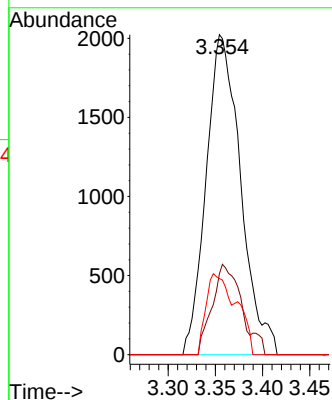
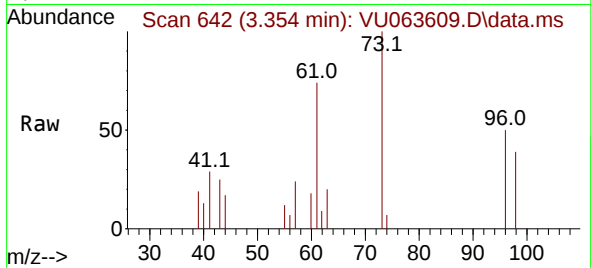
#17
Methyl tert-butyl Ether
Concen: 0.216 ug/L
RT: 3.354 min Scan# 642
Delta R.T. -0.000 min
Lab File: VU063609.D
Acq: 18 Sep 2025 10:09

Instrument : MSVOA_U
ClientSampleId : MDL-WATER-QT3-2025-06

Tgt Ion: 73 Resp: 5129
Ion Ratio Lower Upper
73 100
43 24.2 17.0 25.4
57 22.1 18.2 27.2

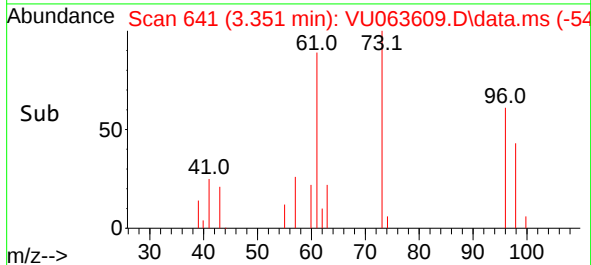
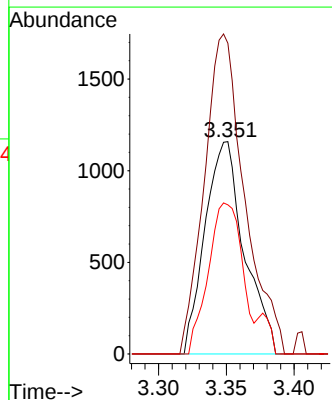
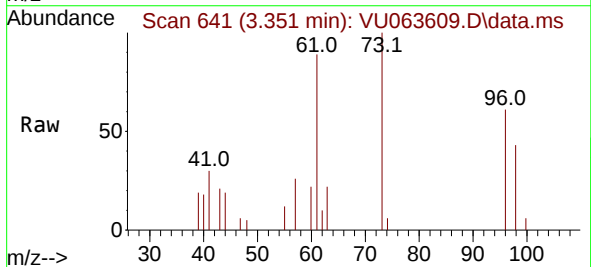
Manual Integrations
APPROVED

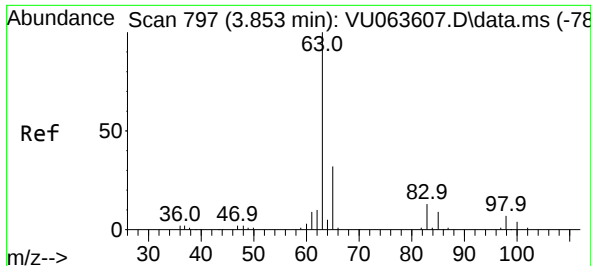
Reviewed By :Semsettin Yesilyurt 09/22/2025
Supervised By :Mahesh Dadoda 09/22/2025



#18
trans-1,2-Dichloroethene
Concen: 0.234 ug/L
RT: 3.351 min Scan# 641
Delta R.T. 0.010 min
Lab File: VU063609.D
Acq: 18 Sep 2025 10:09

Tgt Ion: 96 Resp: 2335
Ion Ratio Lower Upper
96 100
61 146.2 104.9 194.7
98 70.2 44.3 82.3





#19

1,1-Dichloroethane

Concen: 0.220 ug/L

RT: 3.859 min Scan# 797

Delta R.T. 0.006 min

Lab File: VU063609.D

Acq: 18 Sep 2025 10:09

Instrument :

MSVOA_U

ClientSampleId :

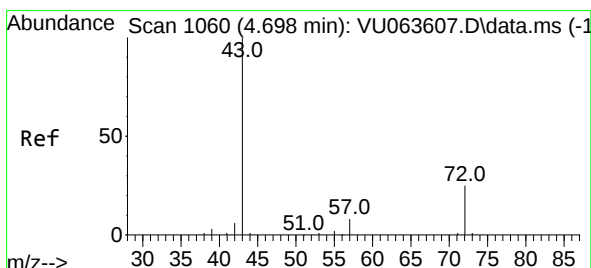
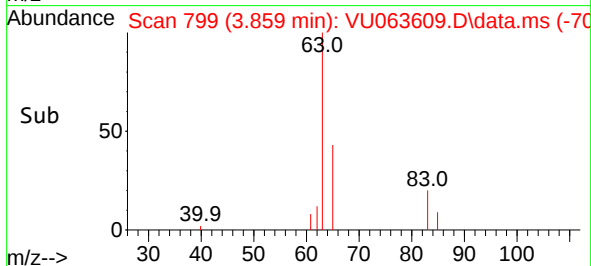
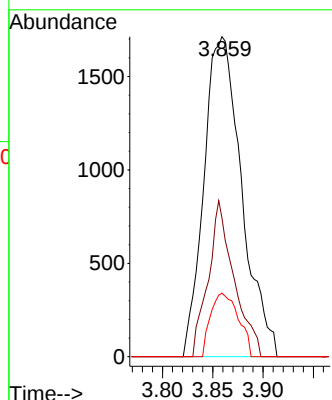
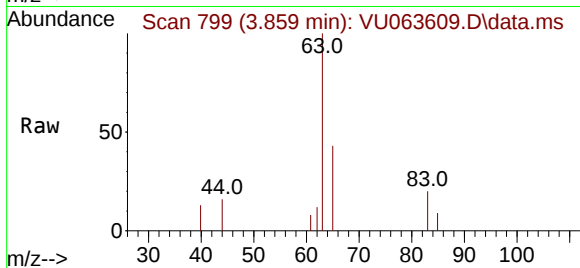
MDL-WATER-QT3-2025-06

Tgt Ion:	63	Resp:	4462
Ion Ratio	Lower	Upper	
63	100		
65	43.4	22.1	41.1
83	19.8	9.7	17.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 09/22/2025
Supervised By :Mahesh Dadoda 09/22/2025



#21

2-Butanone

Concen: 3.333 ug/L m

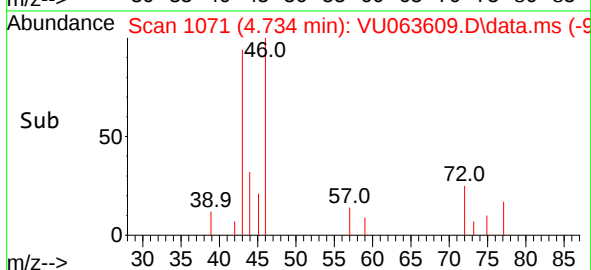
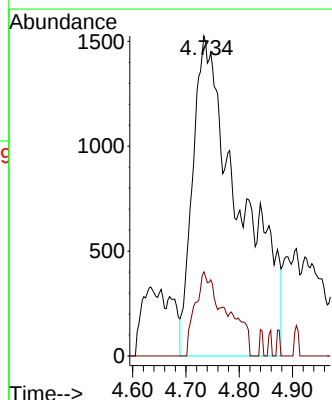
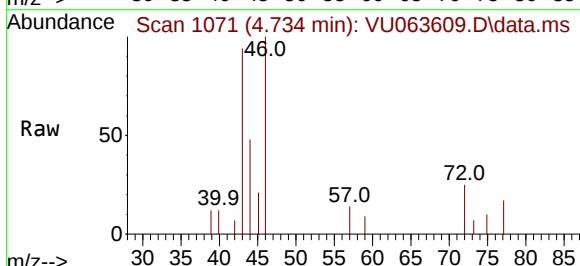
RT: 4.734 min Scan# 1071

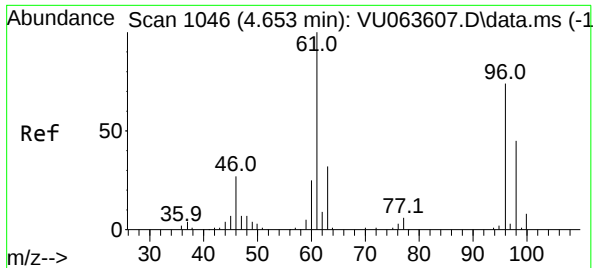
Delta R.T. 0.035 min

Lab File: VU063609.D

Acq: 18 Sep 2025 10:09

Tgt Ion:	43	Resp:	9373
Ion Ratio	Lower	Upper	
43	100		
72	11.0	11.9	35.7





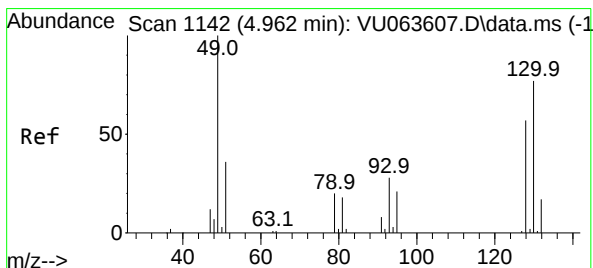
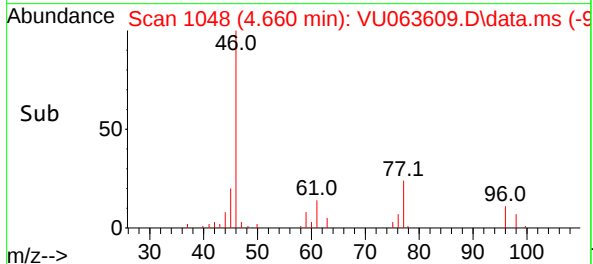
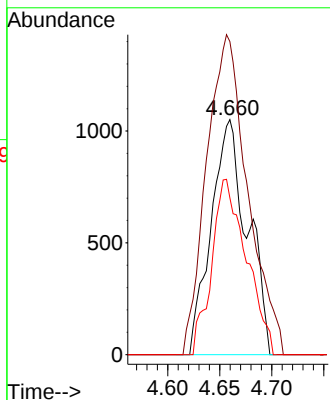
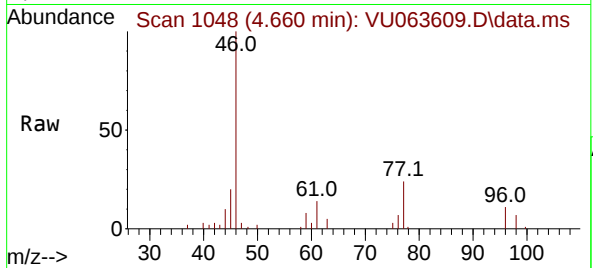
#22
 cis-1,2-Dichloroethene
 Concen: 0.225 ug/L m
 RT: 4.660 min Scan# 1046
 Delta R.T. 0.006 min
 Lab File: VU063609.D
 Acq: 18 Sep 2025 10:09

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-WATER-QT3-2025-06

Tgt Ion: 96	Resp: 254
Ion Ratio	Lower Upper
96 100	
61 133.2	95.8 177.8
98 66.7	43.5 80.9

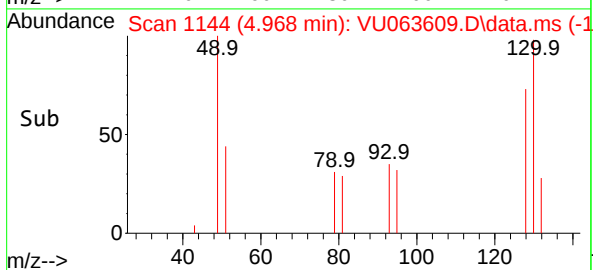
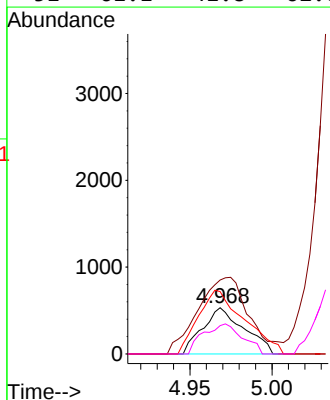
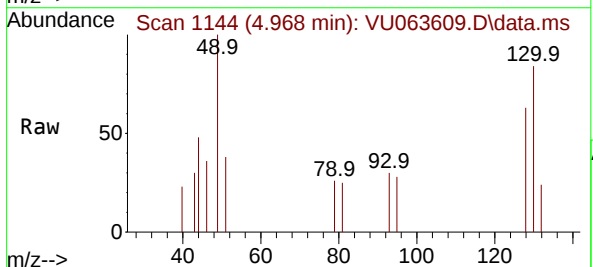
Manual Integrations
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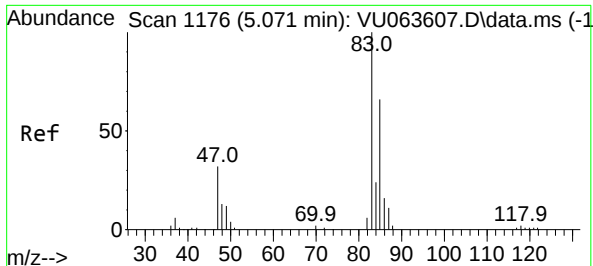
Reviewed By :Semsettin Yesilyurt 09/22/2025
 Supervised By :Mahesh Dadoda 09/22/2025



#23
 Bromochloromethane
 Concen: 0.185 ug/L
 RT: 4.968 min Scan# 1144
 Delta R.T. 0.006 min
 Lab File: VU063609.D
 Acq: 18 Sep 2025 10:09

Tgt Ion:128	Resp: 930
Ion Ratio	Lower Upper
128 100	
49 160.0	118.4 219.8
130 135.2	87.6 162.6
51 61.1	41.8 62.6





#25

Chloroform

Concen: 0.255 ug/L

RT: 5.084 min Scan# 1176

Delta R.T. 0.013 min

Lab File: VU063609.D

Acq: 18 Sep 2025 10:09

Instrument :

MSVOA_U

ClientSampleId :

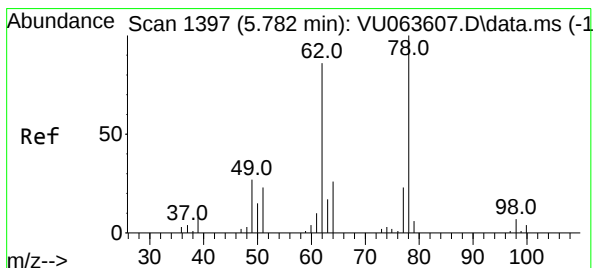
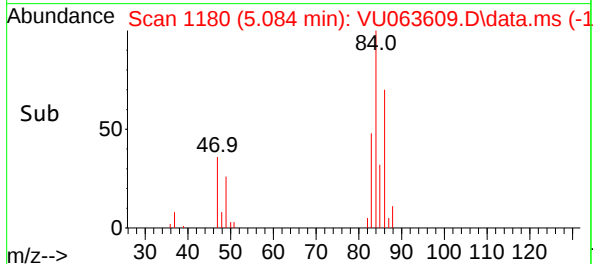
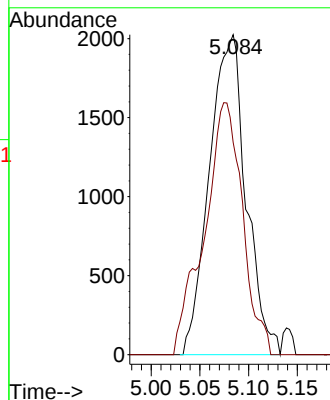
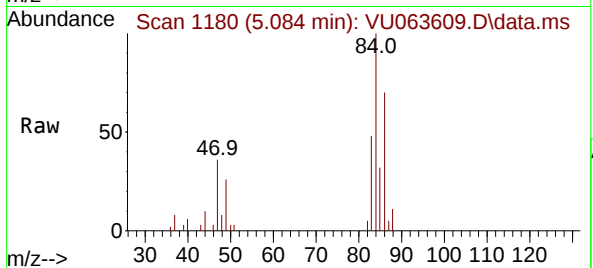
MDL-WATER-QT3-2025-06

Tgt Ion: 83 Resp: 531
 Ion Ratio Lower Upper
 83 100
 85 66.4 46.1 85.5

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 09/22/2025
 Supervised By :Mahesh Dadoda 09/22/2025



#27

1,2-Dichloroethane

Concen: 0.248 ug/L

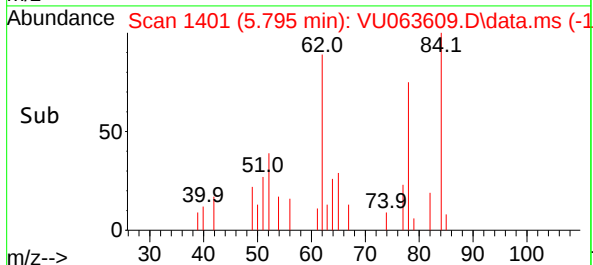
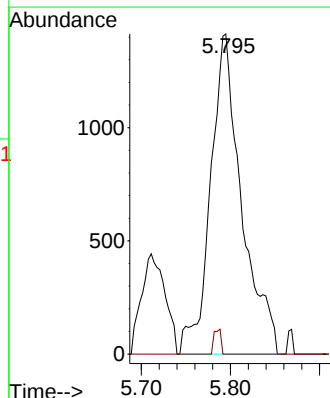
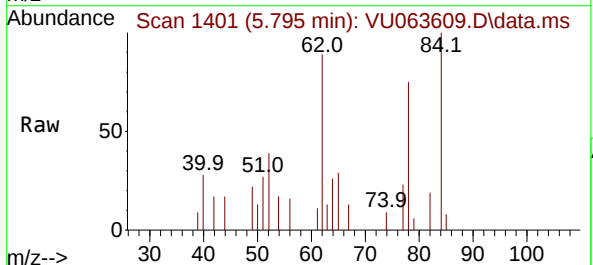
RT: 5.795 min Scan# 1401

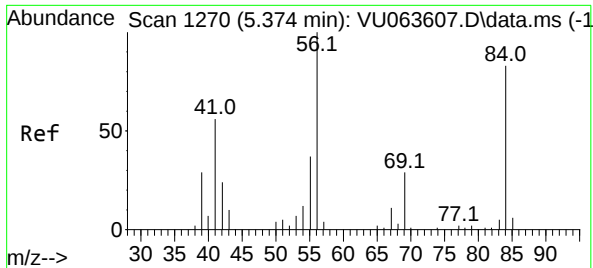
Delta R.T. 0.013 min

Lab File: VU063609.D

Acq: 18 Sep 2025 10:09

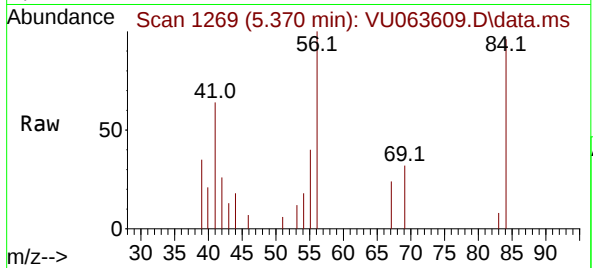
Tgt Ion: 62 Resp: 3426
 Ion Ratio Lower Upper
 62 100
 98 0.0 7.0 10.4#





#30
Cyclohexane
Concen: 0.224 ug/L
RT: 5.370 min Scan# 1269
Delta R.T. -0.003 min
Lab File: VU063609.D
Acq: 18 Sep 2025 10:09

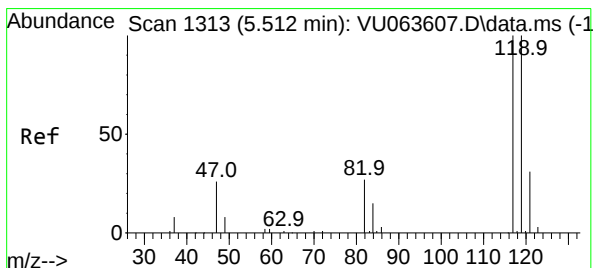
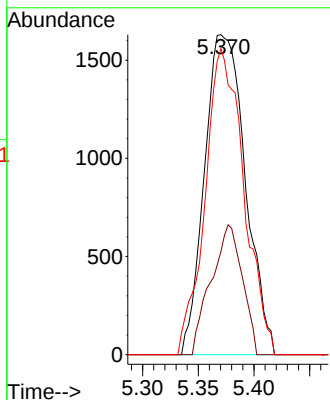
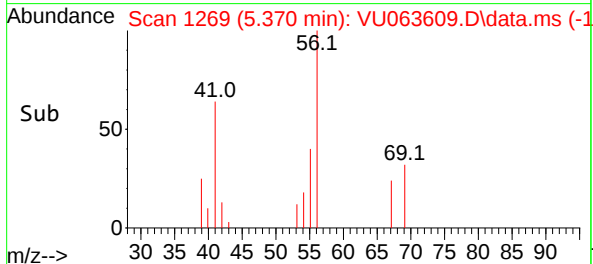
Instrument : MSVOA_U
ClientSampleId : MDL-WATER-QT3-2025-06



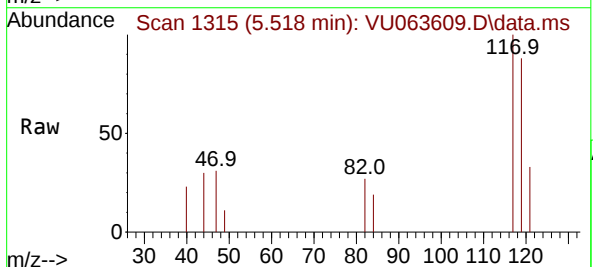
Tgt Ion: 56 Resp: 4164
Ion Ratio Lower Upper
56 100
69 30.9 23.2 34.8
84 90.5 65.0 97.4

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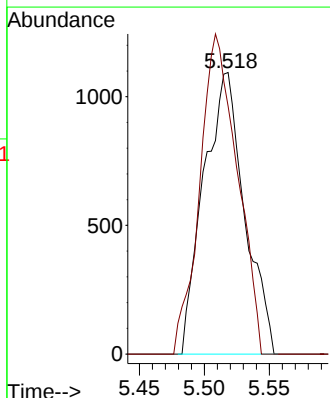
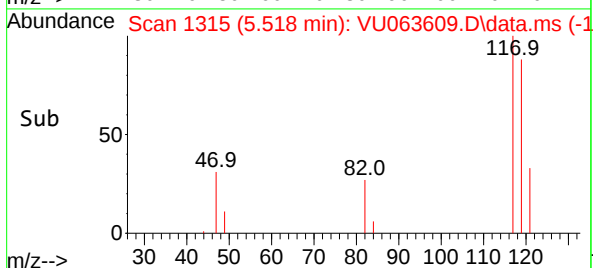
Reviewed By :Semsettin Yesilyurt 09/22/2025
Supervised By :Mahesh Dadoda 09/22/2025

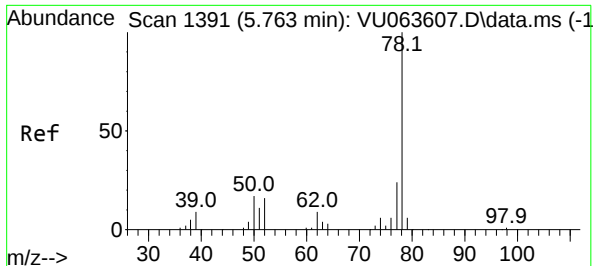


#31
Carbon tetrachloride
Concen: 0.194 ug/L
RT: 5.518 min Scan# 1315
Delta R.T. 0.006 min
Lab File: VU063609.D
Acq: 18 Sep 2025 10:09



Tgt Ion:117 Resp: 2387
Ion Ratio Lower Upper
117 100
119 104.4 76.8 115.2





#33

Benzene

Concen: 0.248 ug/L

RT: 5.763 min Scan# 1391

Delta R.T. -0.000 min

Lab File: VU063609.D

Acq: 18 Sep 2025 10:09

Instrument :

MSVOA_U

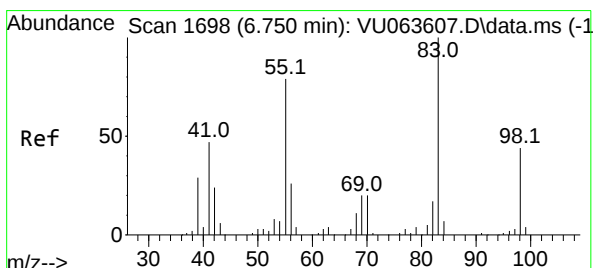
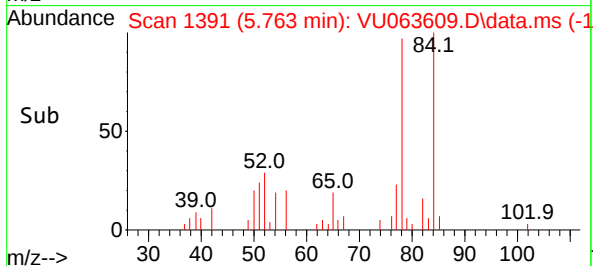
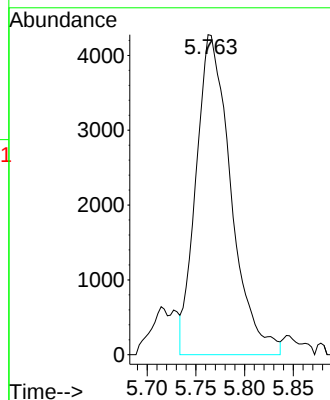
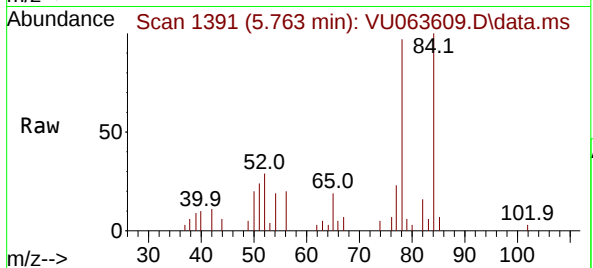
ClientSampleId :

MDL-WATER-QT3-2025-06

Tgt Ion: 78 Resp: 10638

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 09/22/2025
Supervised By :Mahesh Dadoda 09/22/2025



#35

Methylcyclohexane

Concen: 0.241 ug/L

RT: 6.750 min Scan# 1698

Delta R.T. -0.000 min

Lab File: VU063609.D

Acq: 18 Sep 2025 10:09

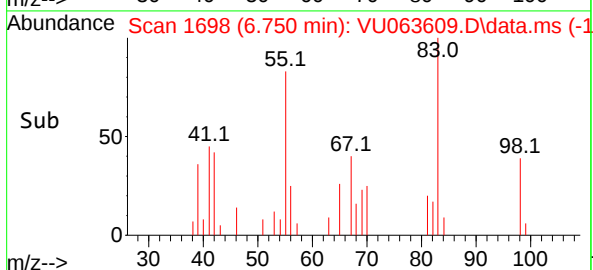
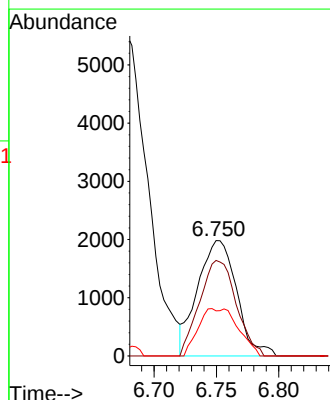
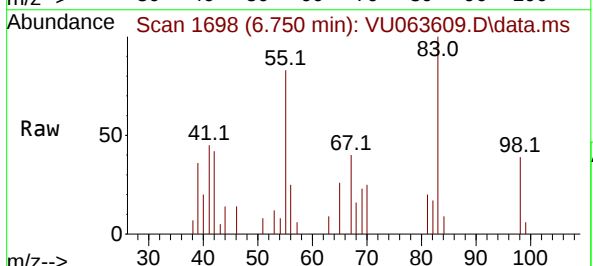
Tgt Ion: 83 Resp: 4320

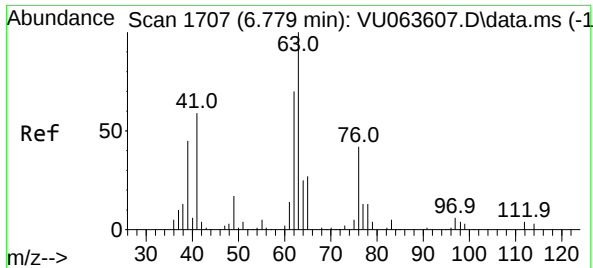
Ion Ratio Lower Upper

83 100

55 77.6 63.9 95.9

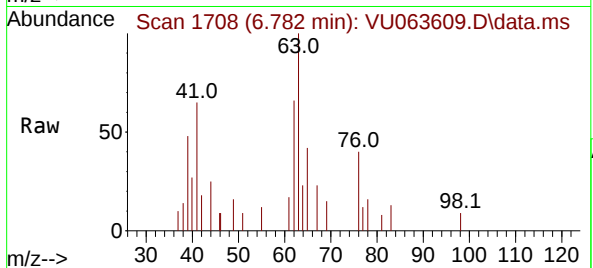
98 41.8 36.2 54.2





#37
1,2-Dichloropropane
Concen: 0.237 ug/L m
RT: 6.782 min Scan# 1708
Delta R.T. 0.003 min
Lab File: VU063609.D
Acq: 18 Sep 2025 10:09

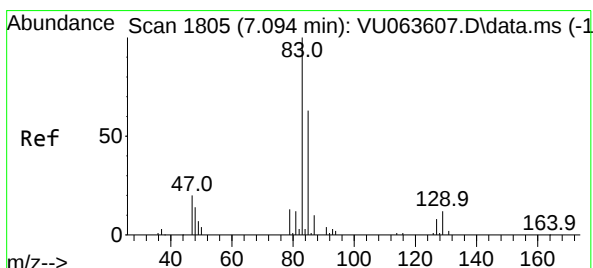
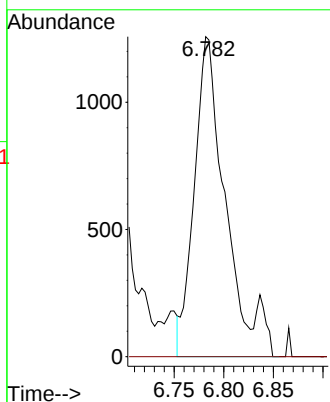
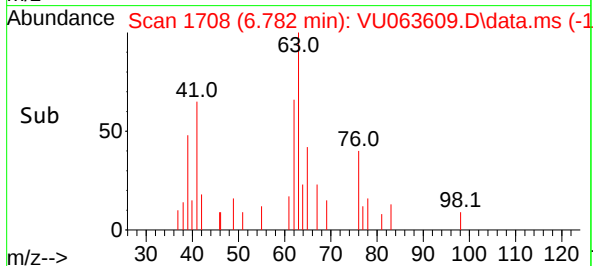
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT3-2025-06



Tgt Ion: 63 Resp: 275
Ion Ratio Lower Upper
63 100
112 0.0 2.8 4.2

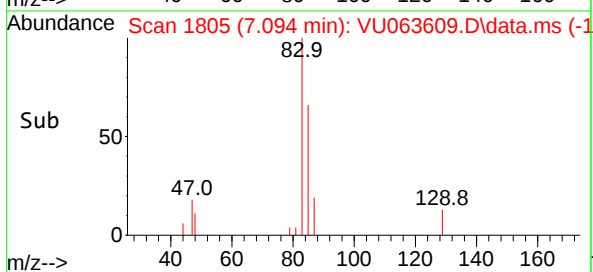
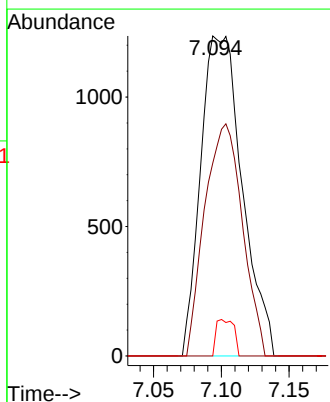
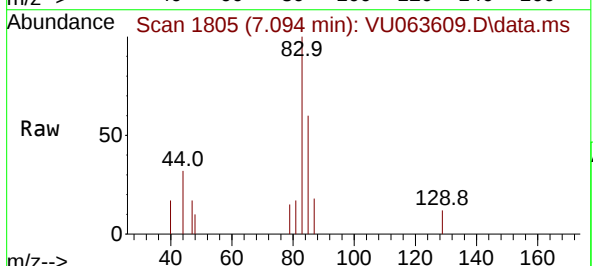
Manual Integrations
APPROVED

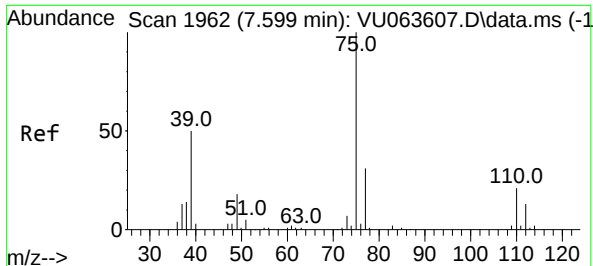
Reviewed By :Semsettin Yesilyurt 09/22/2025
Supervised By :Mahesh Dadoda 09/22/2025



#38
Bromodichloromethane
Concen: 0.212 ug/L
RT: 7.094 min Scan# 1805
Delta R.T. -0.000 min
Lab File: VU063609.D
Acq: 18 Sep 2025 10:09

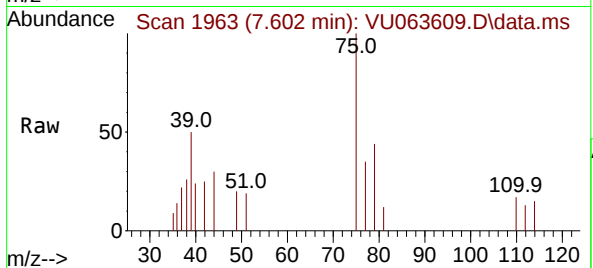
Tgt Ion: 83 Resp: 2635
Ion Ratio Lower Upper
83 100
85 60.3 44.4 82.4
127 0.0 6.2 9.2





#39
cis-1,3-Dichloropropene
Concen: 0.235 ug/L
RT: 7.602 min Scan# 1962
Delta R.T. 0.003 min
Lab File: VU063609.D
Acq: 18 Sep 2025 10:09

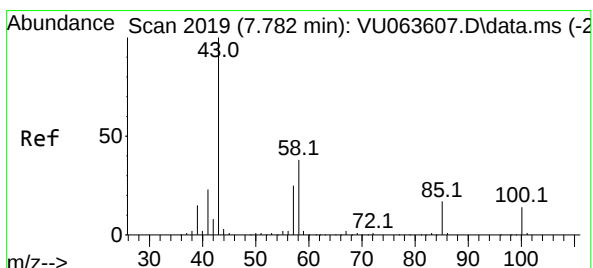
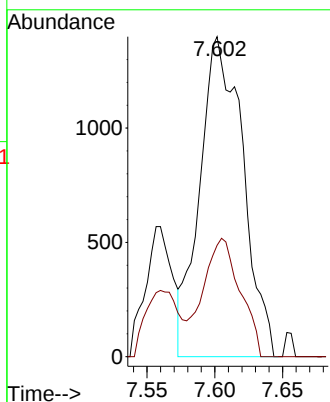
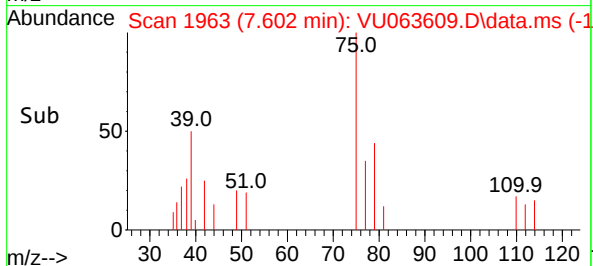
Instrument : MSVOA_U
ClientSampleId : MDL-WATER-QT3-2025-06



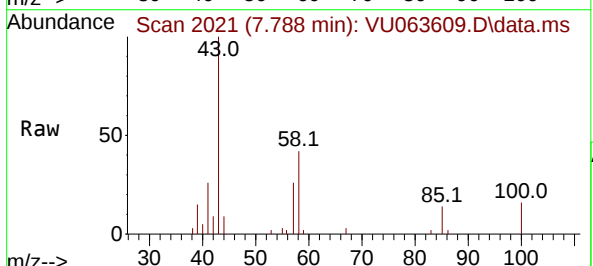
Tgt Ion: 75 Resp: 3092
Ion Ratio Lower Upper
75 100
77 34.8 21.6 40.0

Manual Integrations
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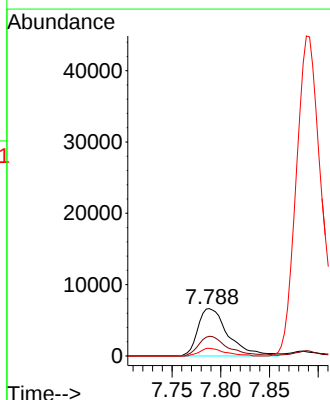
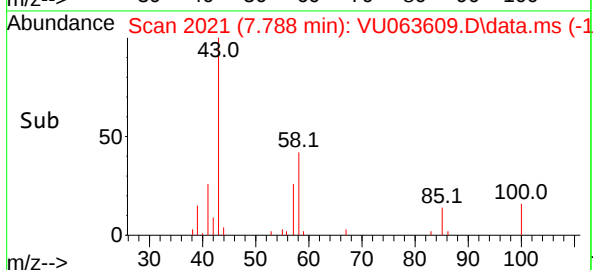
Reviewed By :Semsettin Yesilyurt 09/22/2025
Supervised By :Mahesh Dadoda 09/22/2025

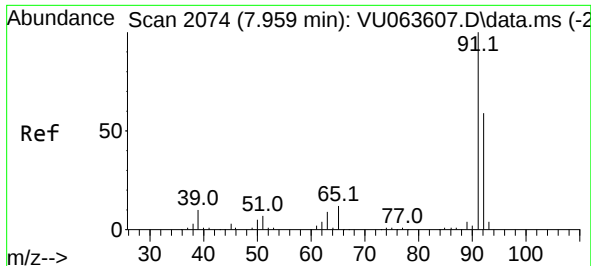


#40
4-Methyl-2-pentanone
Concen: 2.162 ug/L
RT: 7.788 min Scan# 2021
Delta R.T. 0.006 min
Lab File: VU063609.D
Acq: 18 Sep 2025 10:09



Tgt Ion: 43 Resp: 14377
Ion Ratio Lower Upper
43 100
58 38.9 29.6 44.4
100 0.0 10.6 16.0#





#42

Toluene

Concen: 0.240 ug/L

RT: 7.965 min Scan# 2074

Delta R.T. 0.006 min

Lab File: VU063609.D

Acq: 18 Sep 2025 10:09

Instrument :

MSVOA_U

ClientSampleId :

MDL-WATER-QT3-2025-06

Tgt Ion: 91 Resp: 11018

Ion Ratio Lower Upper

91 100

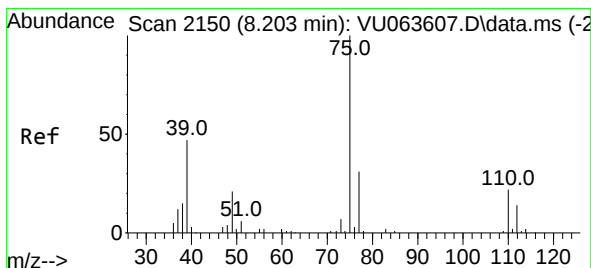
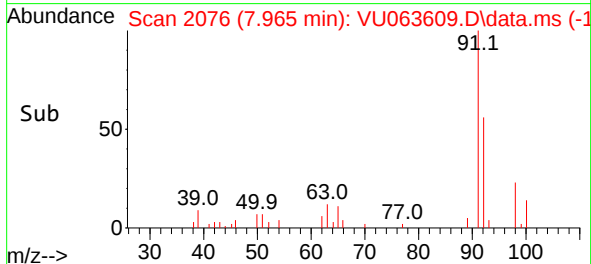
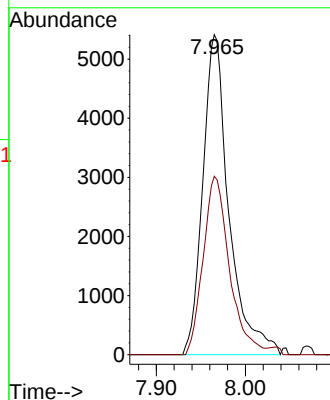
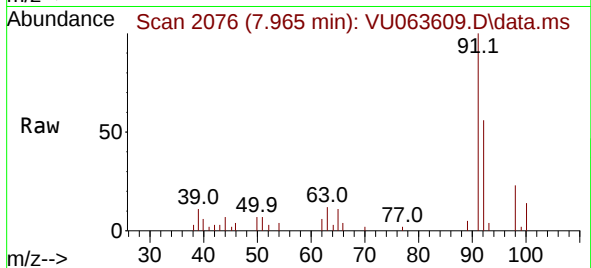
92 55.8 40.7 75.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 09/22/2025

Supervised By :Mahesh Dadoda 09/22/2025



#44

trans-1,3-Dichloropropene

Concen: 0.303 ug/L m

RT: 8.209 min Scan# 2152

Delta R.T. 0.006 min

Lab File: VU063609.D

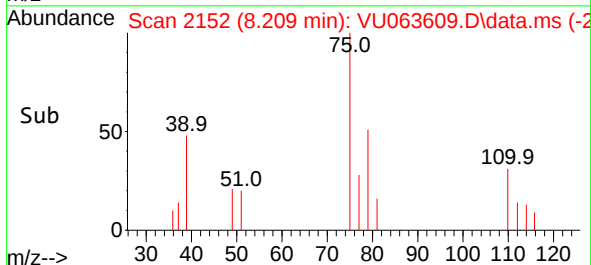
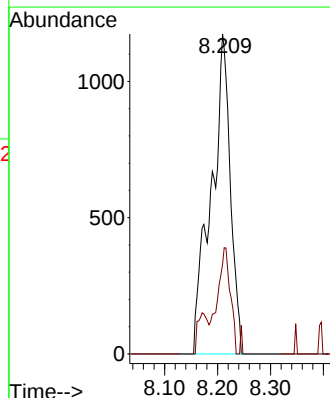
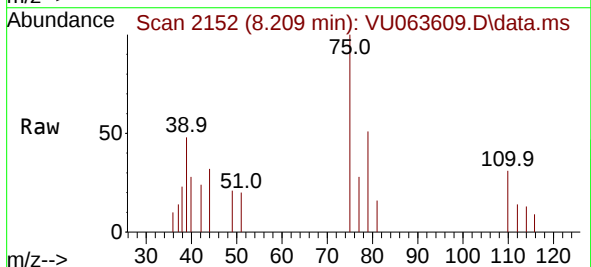
Acq: 18 Sep 2025 10:09

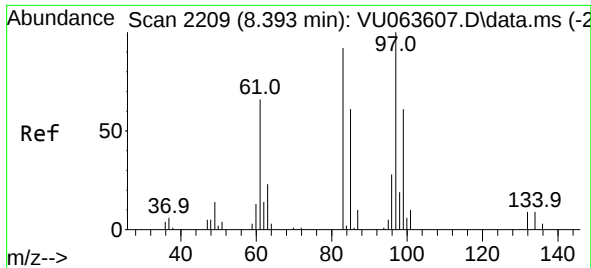
Tgt Ion: 75 Resp: 2931

Ion Ratio Lower Upper

75 100

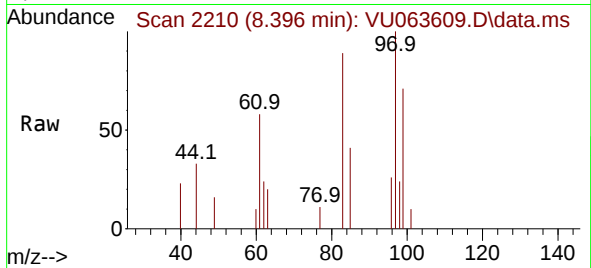
77 28.1 23.7 44.1





#45
1,1,2-Trichloroethane
Concen: 0.230 ug/L
RT: 8.396 min Scan# 2110
Delta R.T. 0.003 min
Lab File: VU063609.D
Acq: 18 Sep 2025 10:09

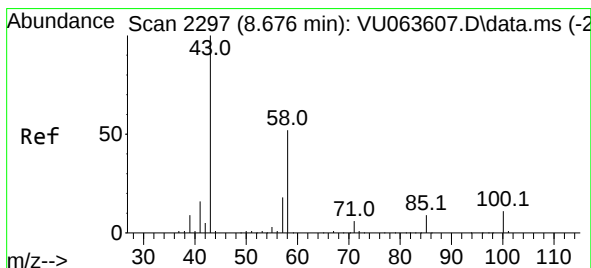
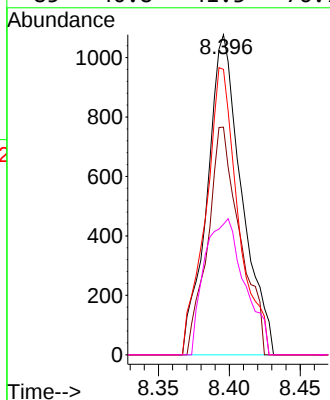
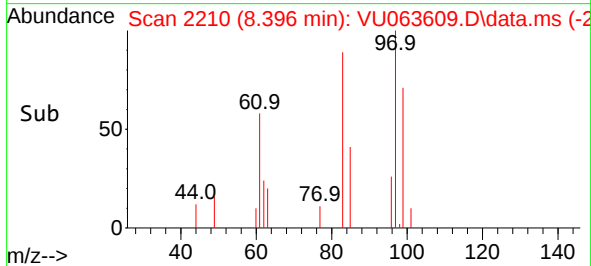
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT3-2025-06



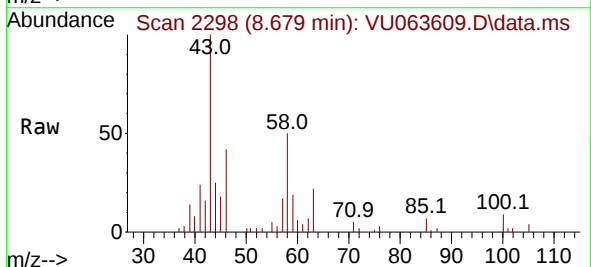
Tgt Ion: 97 Resp: 182
Ion Ratio Lower Upper
97 100
99 71.1 44.0 81.6
83 89.1 63.1 117.3
85 40.8 41.3 76.7#

Manual Integrations
APPROVED

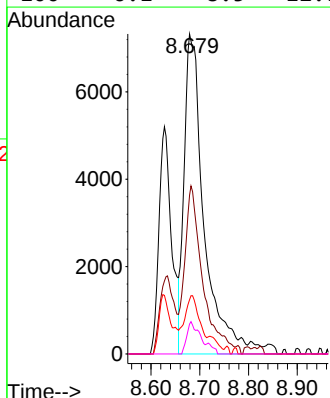
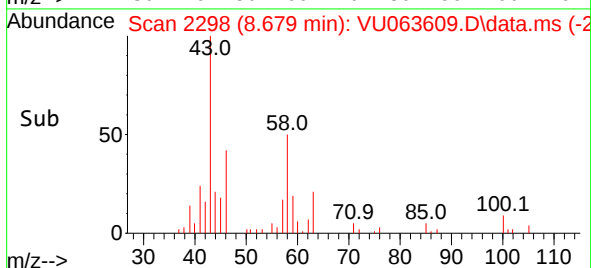
Reviewed By :Semsettin Yesilyurt 09/22/2025
Supervised By :Mahesh Dadoda 09/22/2025

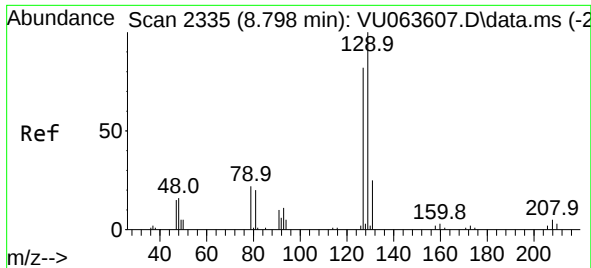


#48
2-Hexanone
Concen: 4.552 ug/L m
RT: 8.679 min Scan# 2298
Delta R.T. 0.003 min
Lab File: VU063609.D
Acq: 18 Sep 2025 10:09



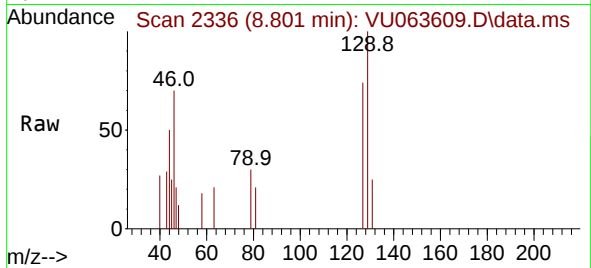
Tgt Ion: 43 Resp: 21232
Ion Ratio Lower Upper
43 100
58 42.8 42.2 63.2
57 9.5 15.0 22.4#
100 6.1 8.5 12.7#





#49
Dibromochloromethane
Concen: 0.201 ug/L
RT: 8.801 min Scan# 2135
Delta R.T. 0.003 min
Lab File: VU063609.D
Acq: 18 Sep 2025 10:09

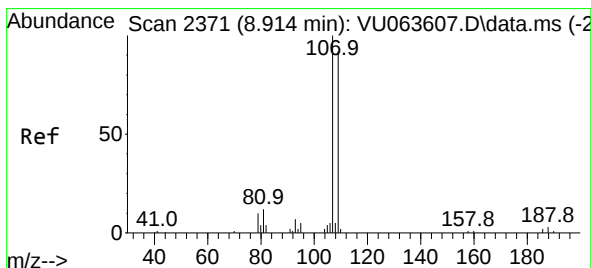
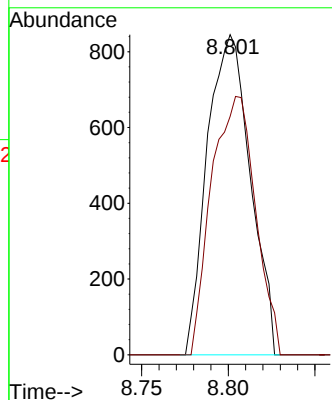
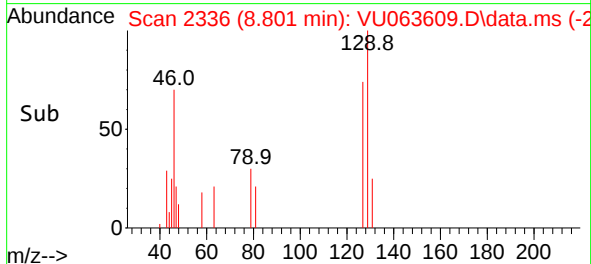
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT3-2025-06



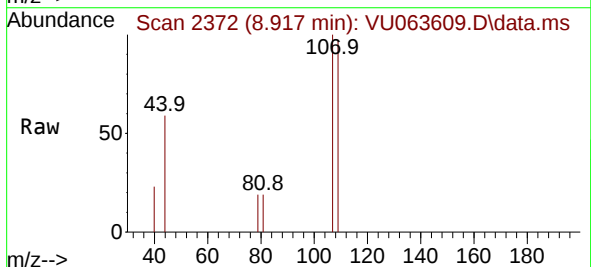
Tgt Ion:129 Resp: 146
Ion Ratio Lower Upper
129 100
127 74.4 54.3 100.8

Manual Integrations
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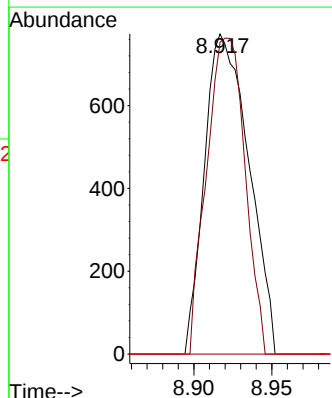
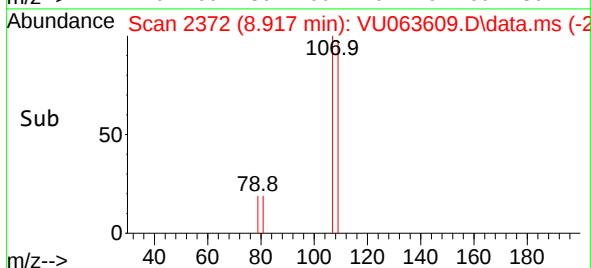
Reviewed By :Semsettin Yesilyurt 09/22/2025
Supervised By :Mahesh Dadoda 09/22/2025

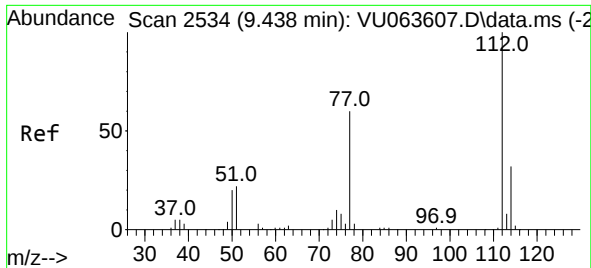


#50
1,2-Dibromoethane
Concen: 0.215 ug/L
RT: 8.917 min Scan# 2372
Delta R.T. 0.003 min
Lab File: VU063609.D
Acq: 18 Sep 2025 10:09



Tgt Ion:107 Resp: 1527
Ion Ratio Lower Upper
107 100
109 97.4 65.4 121.4
188 0.0 2.8 4.2#





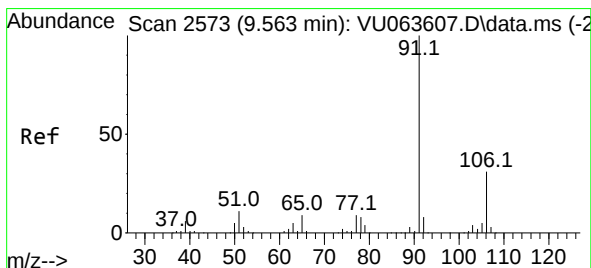
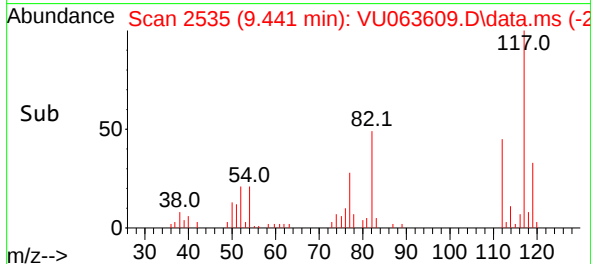
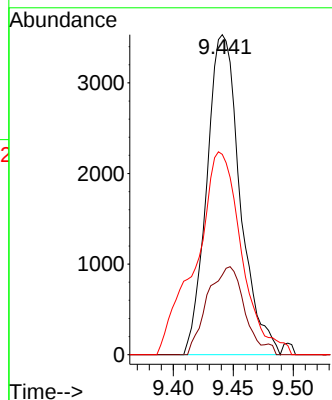
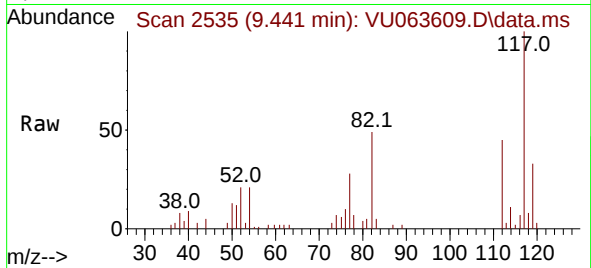
#51
Chlorobenzene
Concen: 0.229 ug/L
RT: 9.441 min Scan# 2535
Delta R.T. 0.003 min
Lab File: VU063609.D
Acq: 18 Sep 2025 10:09

Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT3-2025-06

Tgt Ion:112 Resp: 682
Ion Ratio Lower Upper
112 100
114 24.9 22.0 41.0
77 62.6 48.9 73.3

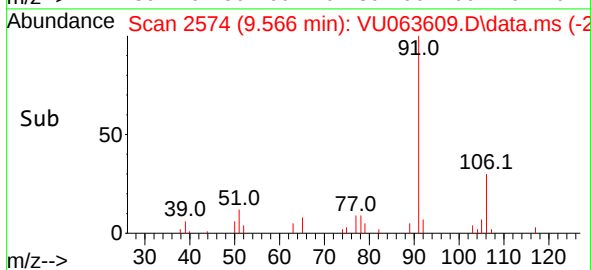
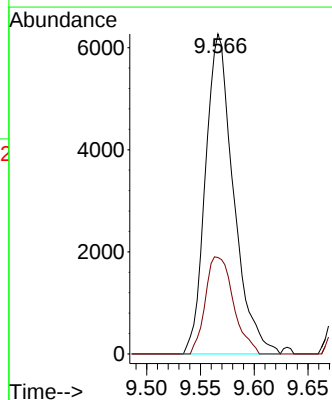
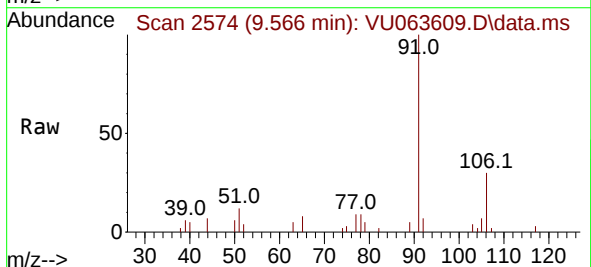
Manual Integrations
APPROVED

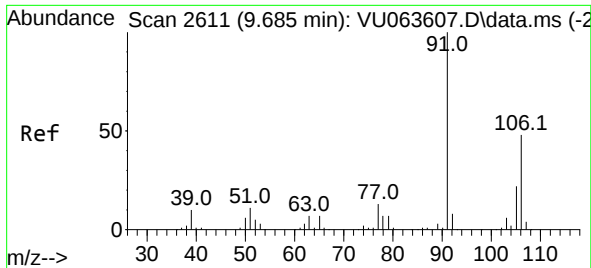
Reviewed By :Semsettin Yesilyurt 09/22/2025
Supervised By :Mahesh Dadoda 09/22/2025



#52
Ethylbenzene
Concen: 0.224 ug/L
RT: 9.566 min Scan# 2574
Delta R.T. 0.003 min
Lab File: VU063609.D
Acq: 18 Sep 2025 10:09

Tgt Ion: 91 Resp: 11365
Ion Ratio Lower Upper
91 100
106 30.1 21.2 39.4





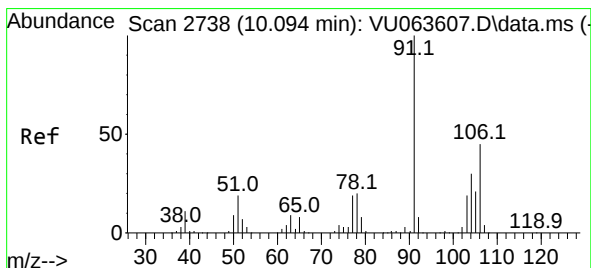
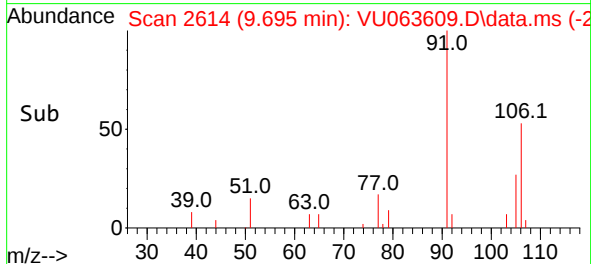
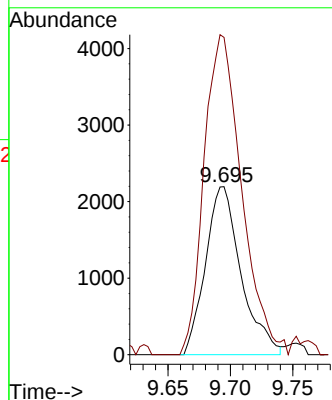
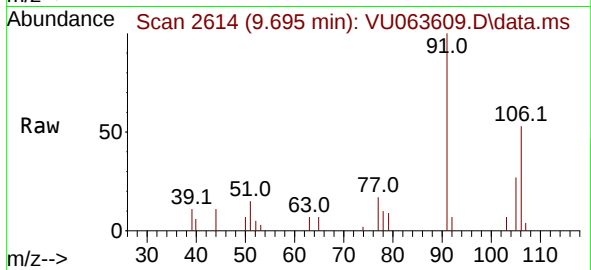
#53
m,p-Xylene
Concen: 0.229 ug/L
RT: 9.695 min Scan# 2614
Delta R.T. 0.010 min
Lab File: VU063609.D
Acq: 18 Sep 2025 10:09

Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT3-2025-06

Tgt Ion:106 Resp: 435
Ion Ratio Lower Upper
106 100
91 188.9 141.5 262.7

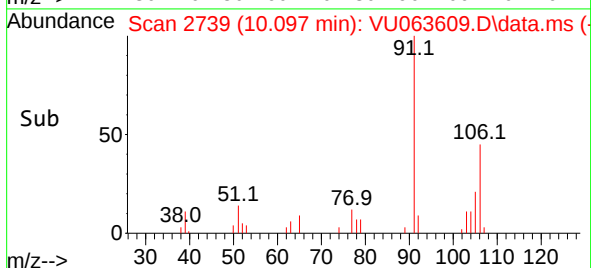
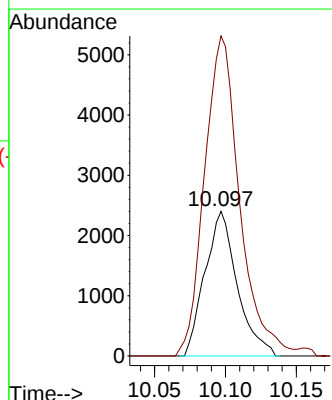
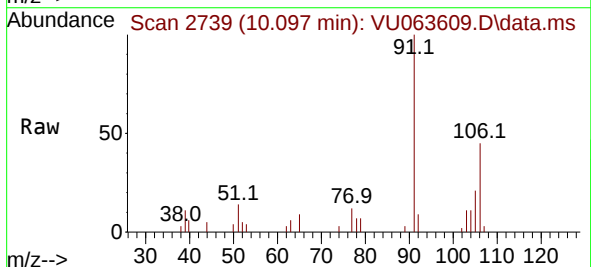
Manual Integrations
APPROVED

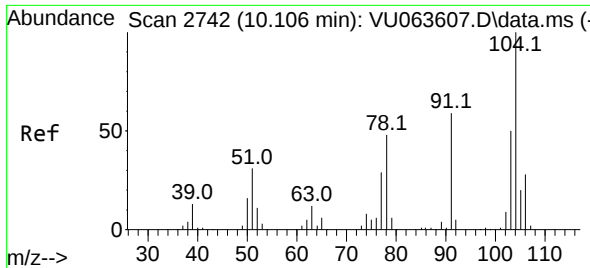
Reviewed By :Semsettin Yesilyurt 09/22/2025
Supervised By :Mahesh Dadoda 09/22/2025



#54
o-Xylene
Concen: 0.207 ug/L
RT: 10.097 min Scan# 2739
Delta R.T. 0.003 min
Lab File: VU063609.D
Acq: 18 Sep 2025 10:09

Tgt Ion:106 Resp: 3808
Ion Ratio Lower Upper
106 100
91 221.2 149.4 277.4





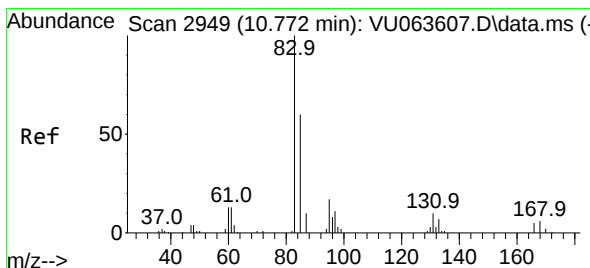
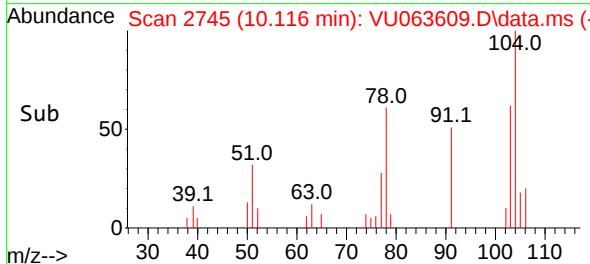
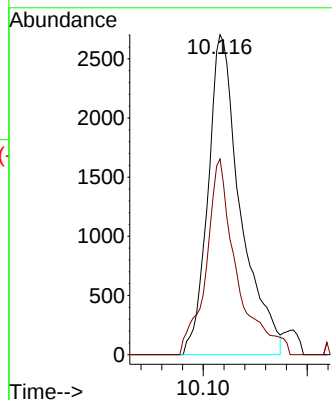
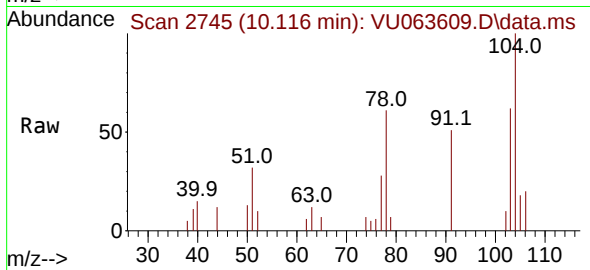
#55
Styrene
Concen: 0.194 ug/L
RT: 10.116 min Scan# 21
Delta R.T. 0.010 min
Lab File: VU063609.D
Acq: 18 Sep 2025 10:09

Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT3-2025-06

Tgt Ion:104 Resp: 585
Ion Ratio Lower Upper
104 100
78 61.1 32.8 61.0

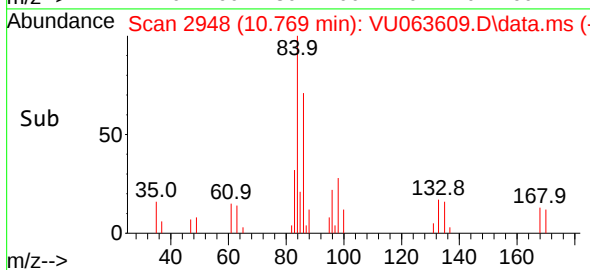
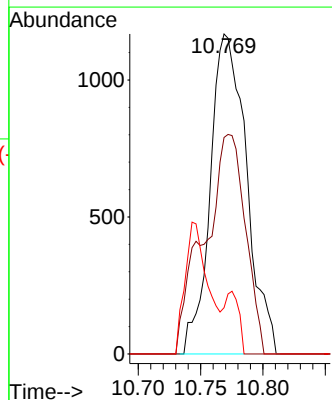
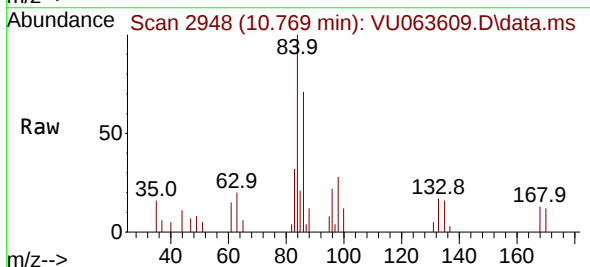
Manual Integrations
APPROVED

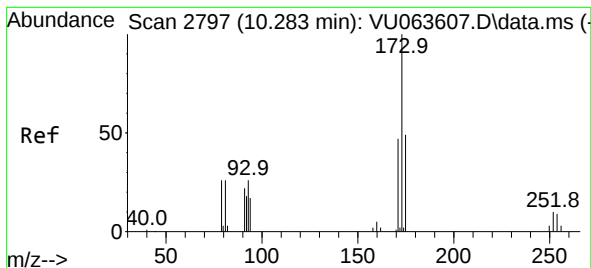
Reviewed By :Semsettin Yesilyurt 09/22/2025
Supervised By :Mahesh Dadoda 09/22/2025



#57
1,1,2,2-Tetrachloroethane
Concen: 0.249 ug/L
RT: 10.769 min Scan# 2948
Delta R.T. -0.003 min
Lab File: VU063609.D
Acq: 18 Sep 2025 10:09

Tgt Ion: 83 Resp: 2362
Ion Ratio Lower Upper
83 100
85 67.6 43.5 80.7
131 14.5 7.3 10.9





#59

Bromoform

Concen: 0.221 ug/L

RT: 10.283 min Scan# 21

Delta R.T. -0.000 min

Lab File: VU063609.D

Acq: 18 Sep 2025 10:09

Instrument :

MSVOA_U

ClientSampleId :

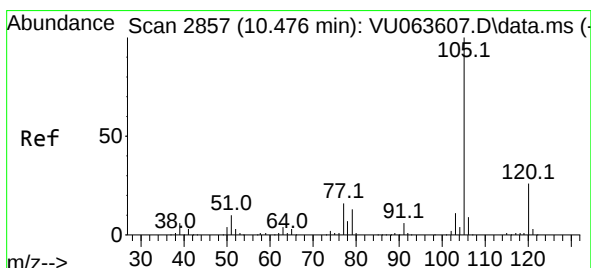
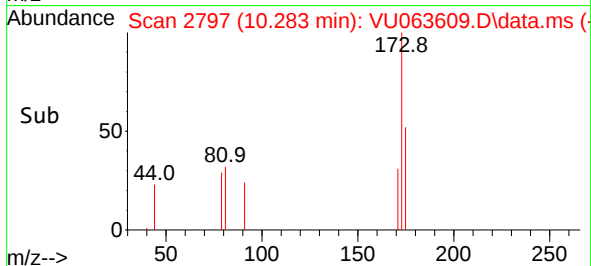
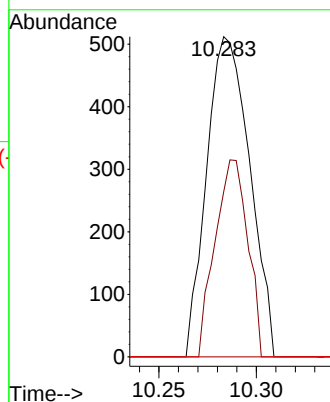
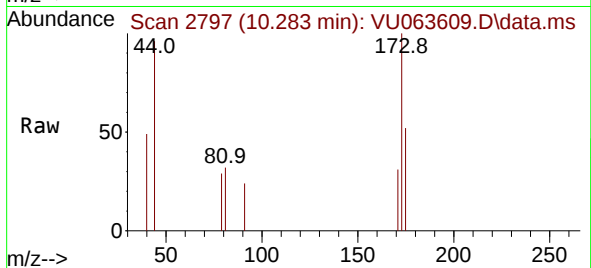
MDL-WATER-QT3-2025-06

Tgt Ion:173	Resp:	78
Ion Ratio	Lower	Upper
173	100	
175	46.6	40.3 60.5
254	0.0	6.4 9.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 09/22/2025
Supervised By :Mahesh Dadoda 09/22/2025



#60

Isopropylbenzene

Concen: 0.235 ug/L

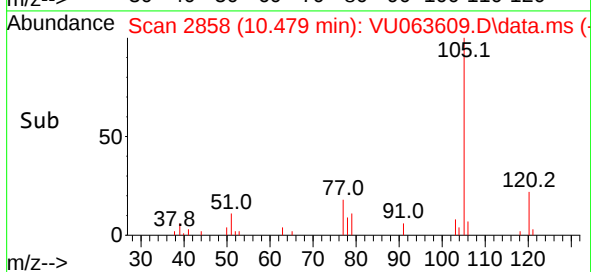
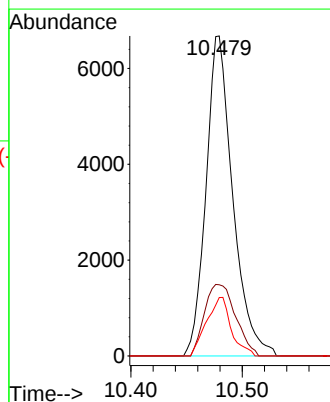
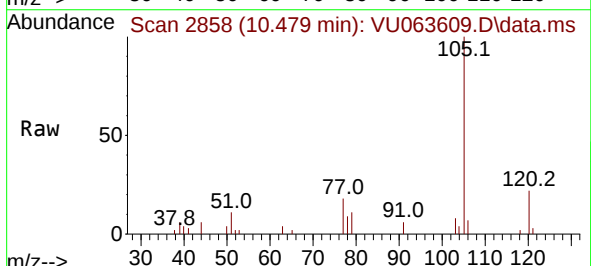
RT: 10.479 min Scan# 2858

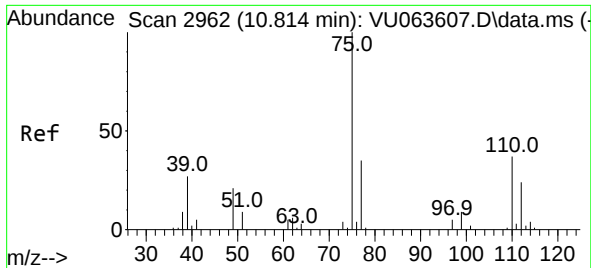
Delta R.T. 0.003 min

Lab File: VU063609.D

Acq: 18 Sep 2025 10:09

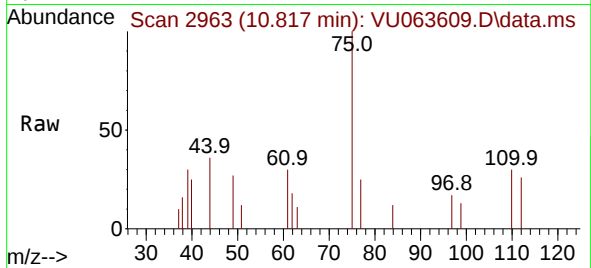
Tgt Ion:105	Resp:	11149
Ion Ratio	Lower	Upper
105	100	
120	26.0	20.9 31.3
77	16.9	13.2 19.8





#61
1,2,3-Trichloropropane
Concen: 0.242 ug/L
RT: 10.817 min Scan# 2963
Delta R.T. 0.003 min
Lab File: VU063609.D
Acq: 18 Sep 2025 10:09

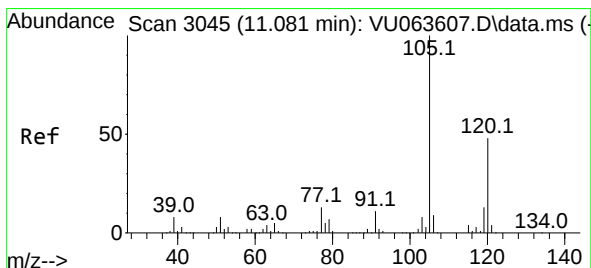
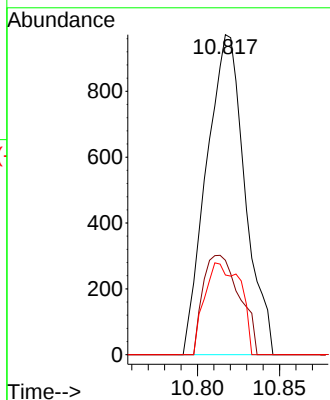
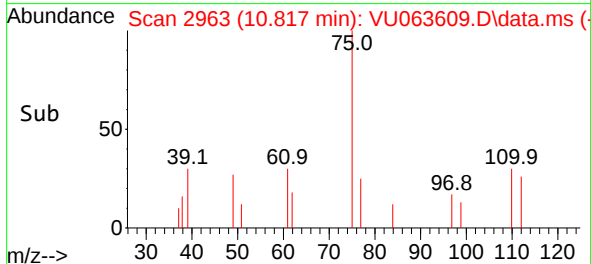
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT3-2025-06



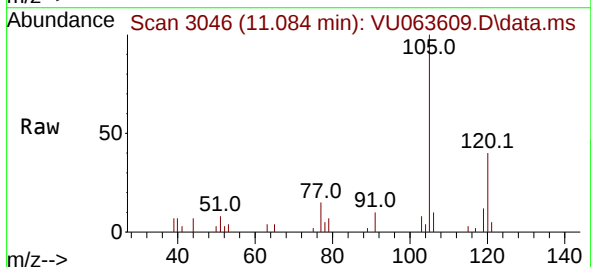
Tgt Ion: 75 Resp: 158
Ion Ratio Lower Upper
75 100
110 29.5 28.3 42.5
77 26.6 25.2 37.8

Manual Integrations
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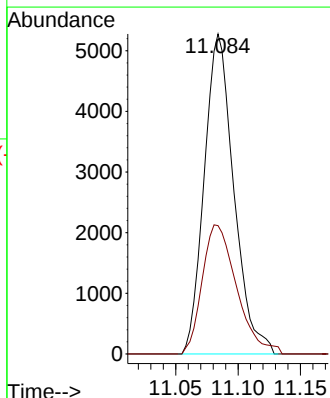
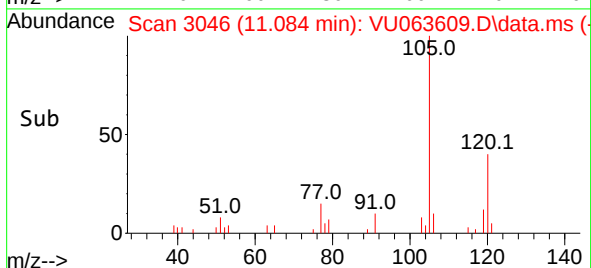
Reviewed By :Semsettin Yesilyurt 09/22/2025
Supervised By :Mahesh Dadoda 09/22/2025

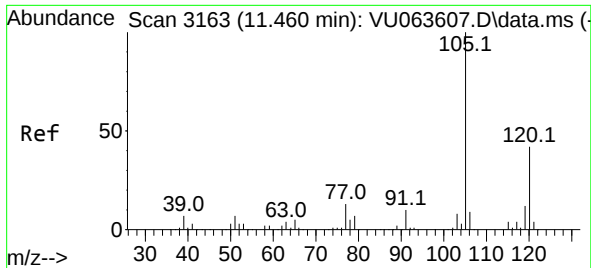


#62
1,3,5-Trimethylbenzene
Concen: 0.226 ug/L
RT: 11.084 min Scan# 3046
Delta R.T. 0.003 min
Lab File: VU063609.D
Acq: 18 Sep 2025 10:09



Tgt Ion:105 Resp: 8712
Ion Ratio Lower Upper
105 100
120 47.0 38.4 57.6





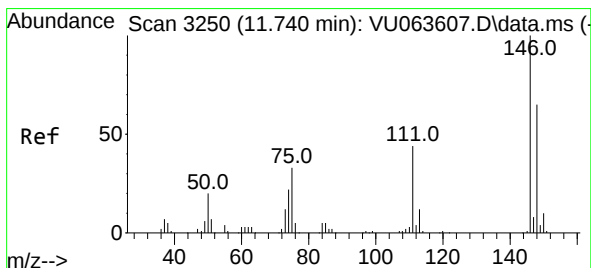
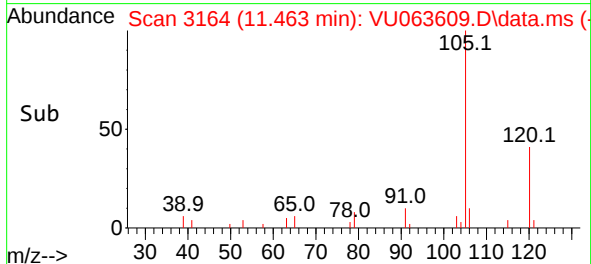
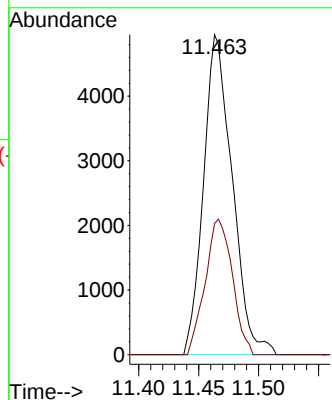
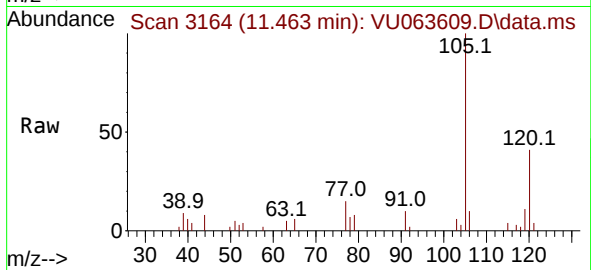
#63
1,2,4-Trimethylbenzene
Concen: 0.224 ug/L
RT: 11.463 min Scan# 3163
Delta R.T. 0.003 min
Lab File: VU063609.D
Acq: 18 Sep 2025 10:09

Instrument : MSVOA_U
ClientSampleId :
MDL-WATER-QT3-2025-06

Tgt Ion:105 Resp: 823
Ion Ratio Lower Upper
105 100
120 40.1 35.3 52.9

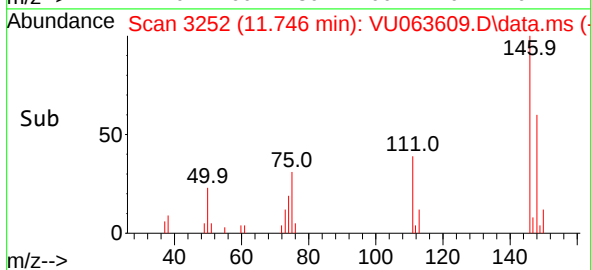
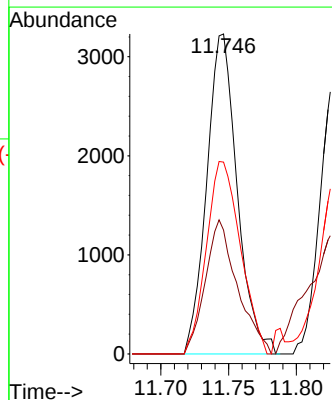
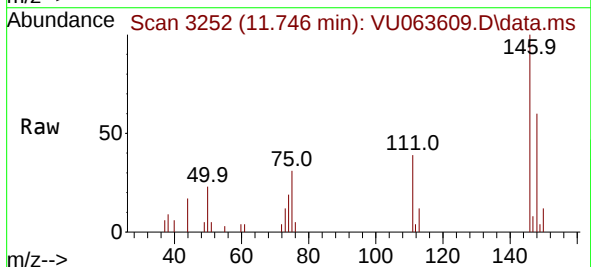
Manual Integrations
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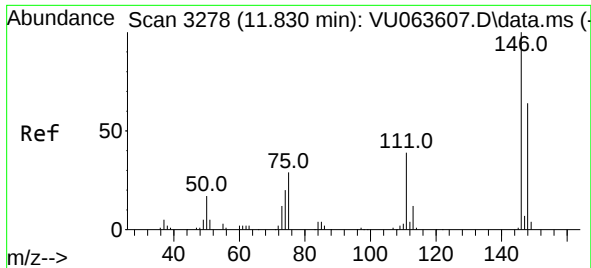
Reviewed By :Semsettin Yesilyurt 09/22/2025
Supervised By :Mahesh Dadoda 09/22/2025



#64
1,3-Dichlorobenzene
Concen: 0.238 ug/L
RT: 11.746 min Scan# 3252
Delta R.T. 0.006 min
Lab File: VU063609.D
Acq: 18 Sep 2025 10:09

Tgt Ion:146 Resp: 5056
Ion Ratio Lower Upper
146 100
111 38.7 29.0 53.8
148 59.9 44.3 82.3





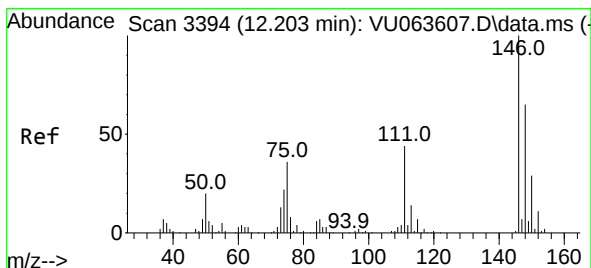
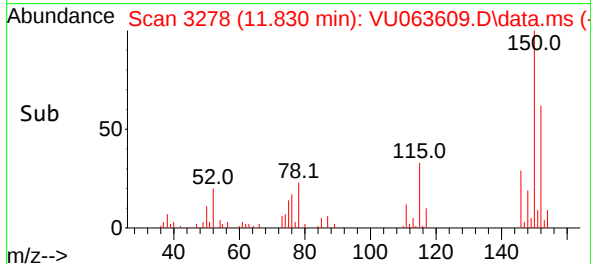
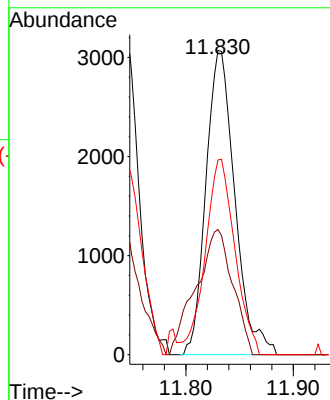
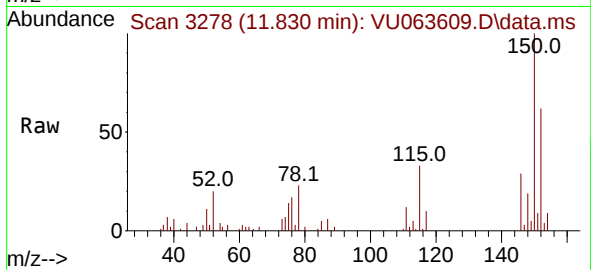
#65
1,4-Dichlorobenzene
Concen: 0.268 ug/L
RT: 11.830 min Scan# 3278
Delta R.T. -0.000 min
Lab File: VU063609.D
Acq: 18 Sep 2025 10:09

Instrument : MSVOA_U
ClientSampleId : MDL-WATER-QT3-2025-06

Tgt Ion:146 Resp: 5739
Ion Ratio Lower Upper
146 100
111 41.1 27.2 50.4
148 64.0 44.0 81.6

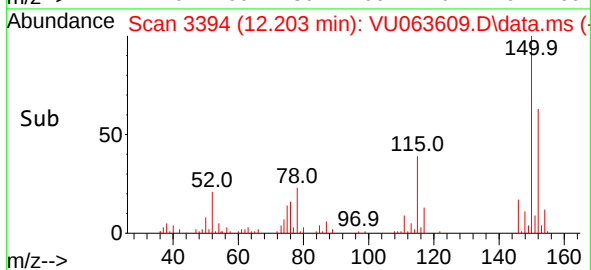
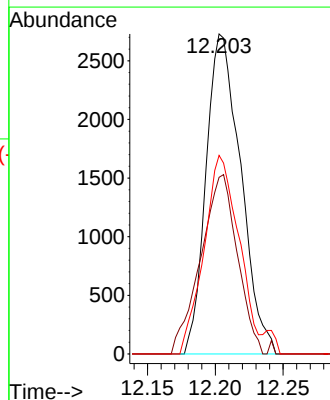
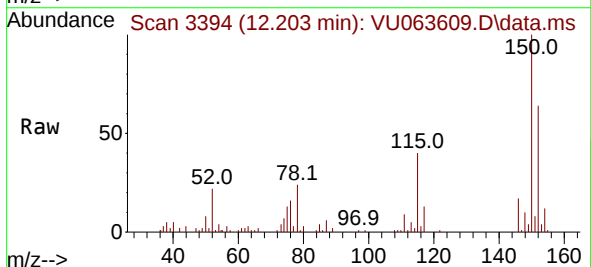
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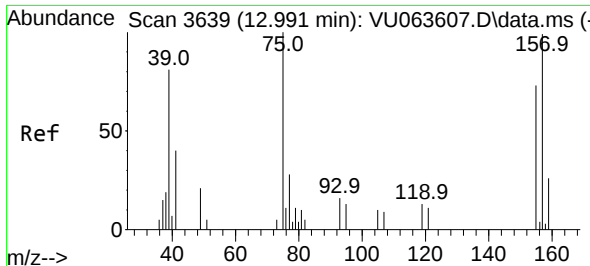
Reviewed By :Semsettin Yesilyurt 09/22/2025
Supervised By :Mahesh Dadoda 09/22/2025



#67
1,2-Dichlorobenzene
Concen: 0.245 ug/L
RT: 12.203 min Scan# 3394
Delta R.T. -0.000 min
Lab File: VU063609.D
Acq: 18 Sep 2025 10:09

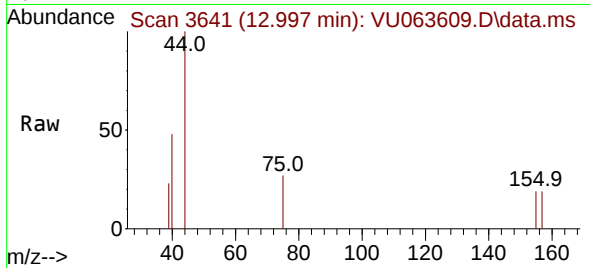
Tgt Ion:146 Resp: 4853
Ion Ratio Lower Upper
146 100
111 55.2 35.5 53.3#
148 62.1 52.1 78.1





#68
1,2-Dibromo-3-chloropropane
Concen: 0.218 ug/L m
RT: 12.997 min Scan# 3641
Delta R.T. 0.006 min
Lab File: VU063609.D
Acq: 18 Sep 2025 10:09

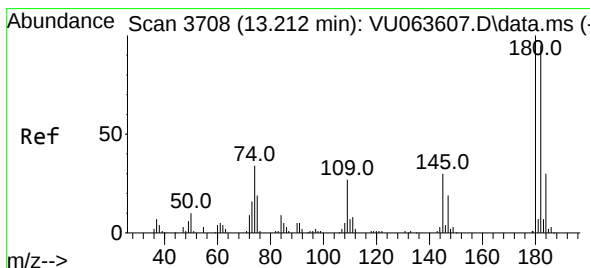
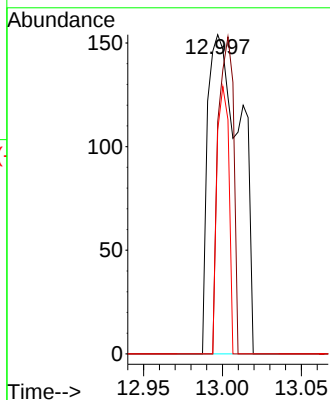
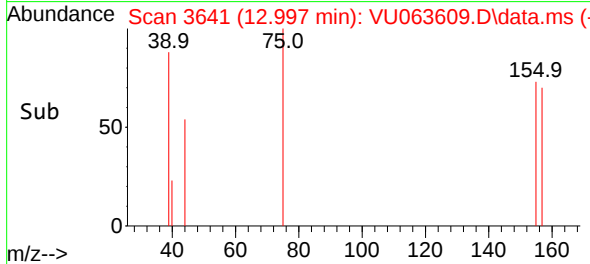
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT3-2025-06



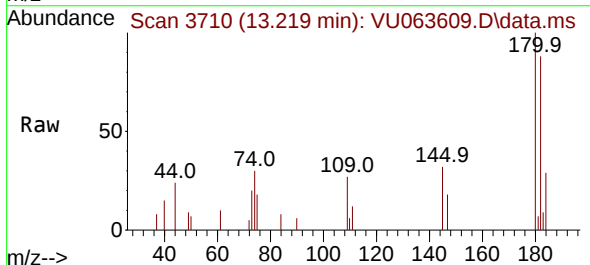
Tgt Ion: 75 Resp: 220
Ion Ratio Lower Upper
75 100
155 72.7 58.4 87.6
157 70.1 77.8 116.8

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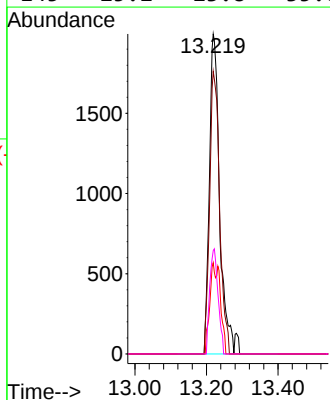
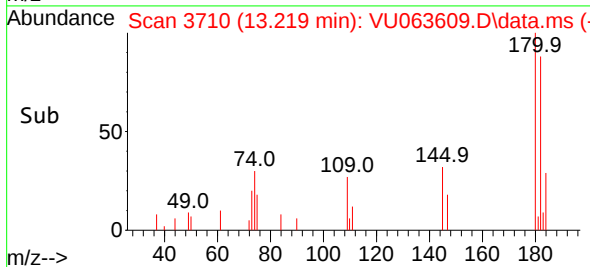
Reviewed By :Semsettin Yesilyurt 09/22/2025
Supervised By :Mahesh Dadoda 09/22/2025

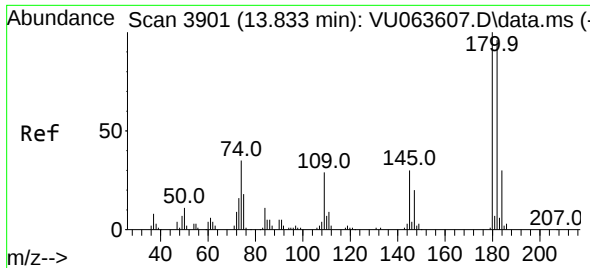


#69
1,3,5-Trichlorobenzene
Concen: 0.253 ug/L m
RT: 13.219 min Scan# 3710
Delta R.T. 0.006 min
Lab File: VU063609.D
Acq: 18 Sep 2025 10:09



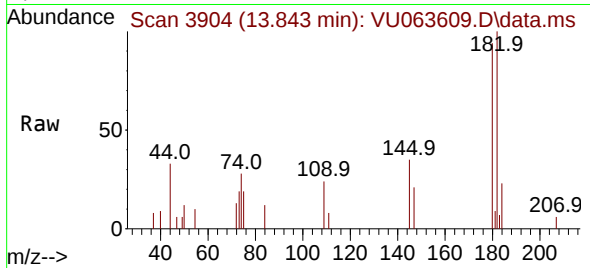
Tgt Ion:180 Resp: 4018
Ion Ratio Lower Upper
180 100
182 83.2 74.6 111.8
184 22.5 23.4 35.2#
145 25.2 23.8 35.6





#70
1,2,4-trichlorobenzene
Concen: 0.293 ug/L
RT: 13.843 min Scan# 3904
Delta R.T. 0.010 min
Lab File: VU063609.D
Acq: 18 Sep 2025 10:09

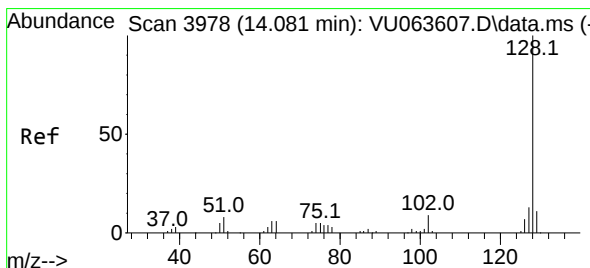
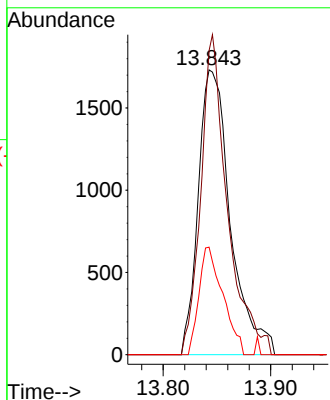
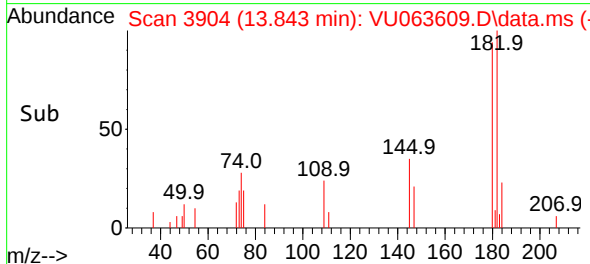
Instrument :
MSVOA_U
ClientSampleId :
MDL-WATER-QT3-2025-06



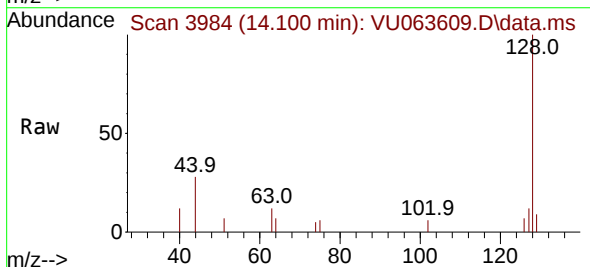
Tgt Ion:180 Resp: 3590
Ion Ratio Lower Upper
180 100
182 92.9 76.6 114.8
145 28.1 25.0 37.4

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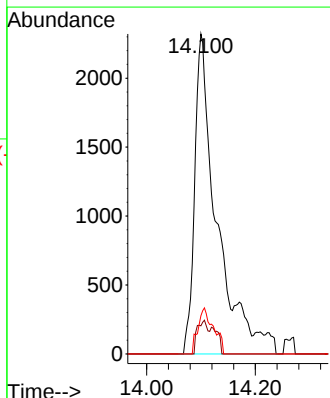
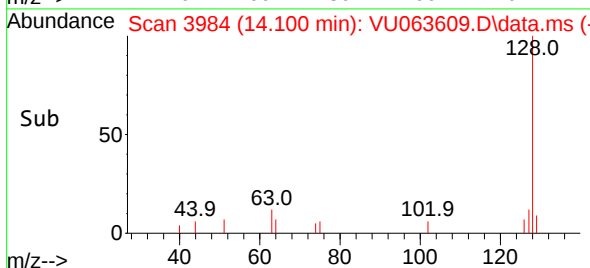
Reviewed By :Semsettin Yesilyurt 09/22/2025
Supervised By :Mahesh Dadoda 09/22/2025

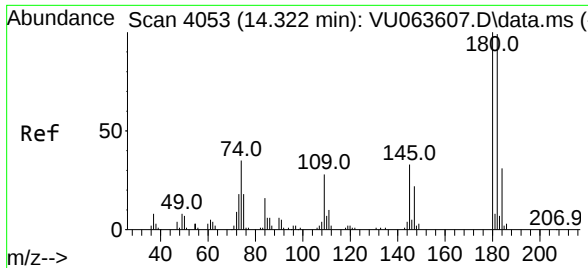


#71
Naphthalene
Concen: 0.359 ug/L m
RT: 14.100 min Scan# 3984
Delta R.T. 0.019 min
Lab File: VU063609.D
Acq: 18 Sep 2025 10:09



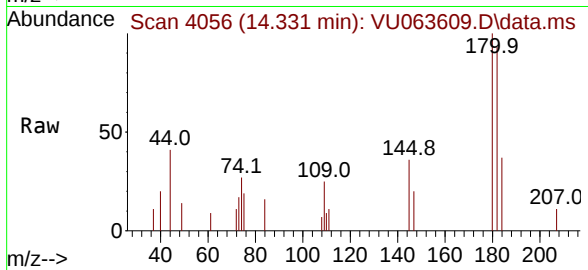
Tgt Ion:128 Resp: 6584
Ion Ratio Lower Upper
128 100
129 5.2 8.8 13.2#
127 10.1 11.0 16.4#





#72
 1,2,3-Trichlorobenzene
 Concen: 0.285 ug/L
 RT: 14.331 min Scan# 4056
 Delta R.T. 0.010 min
 Lab File: VU063609.D
 Acq: 18 Sep 2025 10:09

Instrument : MSVOA_U
 ClientSampleId :
 MDL-WATER-QT3-2025-06



Tgt Ion	Ratio	Lower	Upper
180	100		
182	98.7	78.2	117.2
145	30.3	26.0	39.0

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 09/22/2025
 Supervised By :Mahesh Dadoda 09/22/2025

