

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV091225\
 Data File : VV039054.D
 Acq On : 12 Sep 2025 12:12
 Operator : SY/MD
 Sample : Q2899-02
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 6 Sample Multiplier: 1

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

Quant Time: Sep 13 00:45:16 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM091125WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Sep 12 01:49:00 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 09/16/2025
 Supervised By :Semsettin Yesilyurt 09/16/2025

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

Internal Standards						
1) 1,4-Difluorobenzene	5.532	114	827603	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.776	117	830250	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.172	152	354554	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.291	65	341596	44.932	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	89.860%		
7) Chloroethane-d5	1.545	69	286023	47.562	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	95.120%		
11) 1,1-Dichloroethene-d2	2.072	65	150738	45.969	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	91.940%		
21) 2-Butanone-d5	3.789	46	295550	99.064	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	99.060%		
24) Chloroform-d	4.252	84	598462	47.732	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	95.460%		
26) 1,2-Dichloroethane-d4	4.941	65	365780	49.540	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	99.080%		
32) Benzene-d6	4.960	84	1166151	48.450	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	96.900%		
36) 1,2-Dichloropropane-d6	5.986	67	375862	47.727	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	95.460%		
41) Toluene-d8	7.236	98	986569	43.906	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	87.820%		
43) trans-1,3-Dichloroprop...	7.548	79	166398	44.708	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	89.420%		
47) 2-Hexanone-d5	8.014	63	199408	88.948	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	88.950%		
56) 1,1,2,2-Tetrachloroeth...	10.140	84	546871	48.764	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	97.520%		
66) 1,2-Dichlorobenzene-d4	11.548	152	347715	52.217	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	104.440%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.121	85	14878	2.366	ug/L	95
3) Chloromethane	1.230	50	17530	2.486	ug/L	91
5) Vinyl chloride	1.298	62	21047	2.595	ug/L #	78
6) Bromomethane	1.497	94	11108	2.459	ug/L	96
8) Chloroethane	1.561	64	13052	2.531	ug/L	97
9) Trichlorofluoromethane	1.725	101	27757	2.427	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.079	101	19825	2.765	ug/L	91
12) 1,1-Dichloroethene	2.079	96	20587m	3.233	ug/L	
13) Acetone	2.124	43	19114	3.480	ug/L	93
14) Carbon disulfide	2.253	76	46619	2.237	ug/L	97
15) Methyl Acetate	2.394	43	14707	2.059	ug/L	92
16) Methylene chloride	2.462	84	18392	2.624	ug/L	100
17) trans-1,2-Dichloroethene	2.709	96	14621	2.307	ug/L	99
18) Methyl tert-butyl Ether	2.712	73	39051	2.150	ug/L	96
19) 1,1-Dichloroethane	3.127	63	28408	2.410	ug/L	97
20) cis-1,2-Dichloroethene	3.825	96	16104m	2.378	ug/L	
22) 2-Butanone	3.902	43	22232m	4.795	ug/L	
23) Bromochloromethane	4.172	128	8701	2.349	ug/L	96
25) Chloroform	4.281	83	40268	3.200	ug/L	96

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.059	62	20226	2.207	ug/L	99
29) Cyclohexane	4.584	56	18413	1.785	ug/L	98
30) 1,1,1-Trichloroethane	4.523	97	24994	2.233	ug/L	95
31) Carbon tetrachloride	4.741	117	20997	2.109	ug/L	87
33) Benzene	5.014	78	59576	2.302	ug/L	100
34) Trichloroethene	5.847	95	16399	2.338	ug/L	96
35) Methylcyclohexane	6.043	83	22303	1.987	ug/L	95
37) 1,2-Dichloropropane	6.098	63	13958	2.015	ug/L #	90
38) Bromodichloromethane	6.439	83	22521	2.310	ug/L #	93
39) cis-1,3-Dichloropropene	6.966	75	22844	2.069	ug/L	96
40) 4-Methyl-2-pentanone	7.162	43	29213	3.324	ug/L	97
42) Toluene	7.320	91	61979	2.173	ug/L	99
44) trans-1,3-Dichloropropene	7.587	75	21062	1.978	ug/L #	80
45) 1,1,2-Trichloroethane	7.773	97	17158	2.340	ug/L	97
46) Tetrachloroethene	7.905	164	12085	2.221	ug/L	92
48) 2-Hexanone	8.079	43	29550	4.820	ug/L #	91
49) Dibromochloromethane	8.172	129	18258	2.356	ug/L	93
50) 1,2-Dibromoethane	8.281	107	17179	2.243	ug/L	98
51) Chlorobenzene	8.809	112	43475	2.347	ug/L	97
52) Ethylbenzene	8.944	91	57160	1.905	ug/L	98
53) m,p-Xylene	9.072	106	20300	1.768	ug/L	88
54) o-Xylene	9.474	106	20159	1.896	ug/L	91
55) Styrene	9.500	104	31083	1.655	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.165	83	32115	2.716	ug/L #	94
59) Bromoform	9.661	173	12480	2.612	ug/L #	95
60) Isopropylbenzene	9.860	105	47455	1.945	ug/L	96
61) 1,2,3-Trichloropropane	10.201	75	21965	2.948	ug/L	99
62) 1,3,5-Trimethylbenzene	10.468	105	35377	1.854	ug/L	98
63) 1,2,4-Trimethylbenzene	10.844	105	35781	1.892	ug/L	99
64) 1,3-Dichlorobenzene	11.114	146	26107	2.247	ug/L	99
65) 1,4-Dichlorobenzene	11.201	146	31400	2.525	ug/L	96
67) 1,2-Dichlorobenzene	11.567	146	32357	2.785	ug/L	96
68) 1,2-Dibromo-3-chloropr...	12.358	75	5761	2.754	ug/L #	88
69) 1,3,5-Trichlorobenzene	12.577	180	18024	2.403	ug/L	99
70) 1,2,4-trichlorobenzene	13.194	180	13856	2.125	ug/L	98
71) Naphthalene	13.435	128	37554	1.723	ug/L	99
72) 1,2,3-Trichlorobenzene	13.670	180	14209	2.099	ug/L	97

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

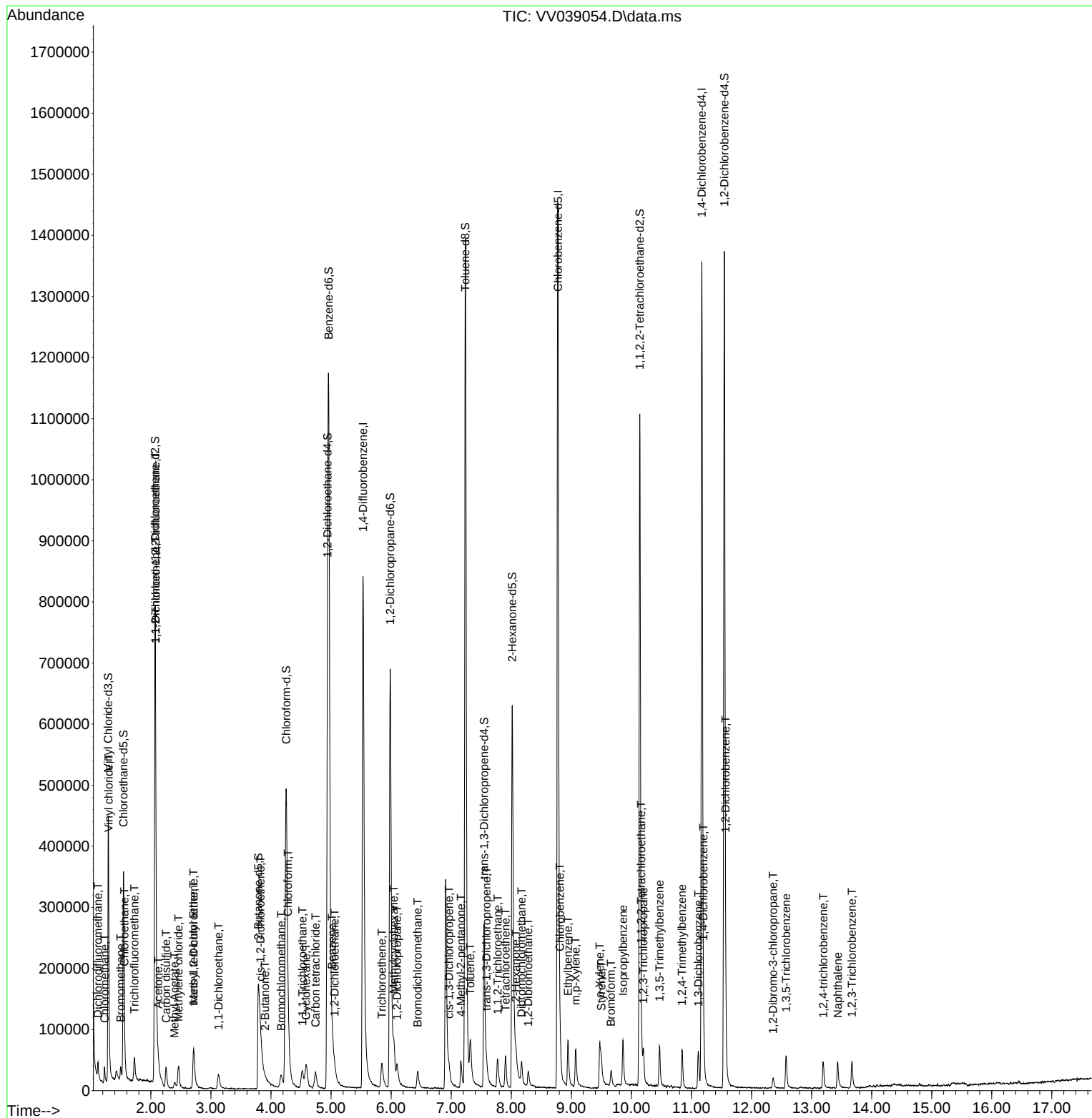
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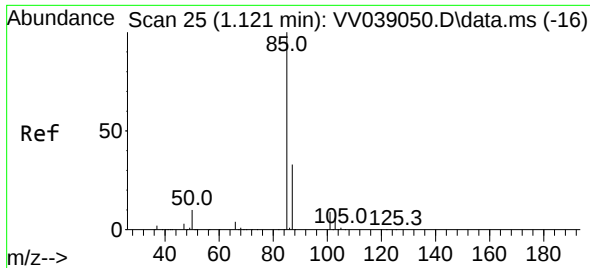
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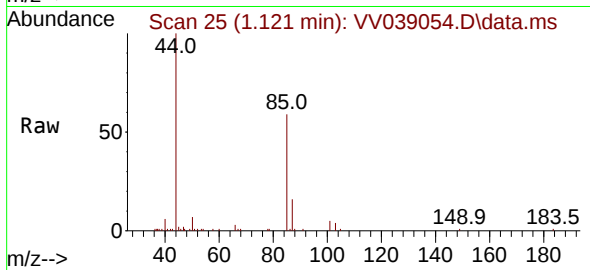
Reviewed By :Mahesh Dadoda 09/16/2025
 Supervised By :Semsettin Yesilyurt 09/16/2025





#2
Dichlorodifluoromethane
Concen: 2.366 ug/L
RT: 1.121 min Scan# 25
Delta R.T. 0.000 min
Lab File: VV039054.D
Acq: 12 Sep 2025 12:12

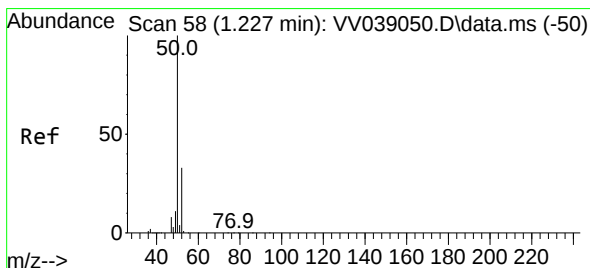
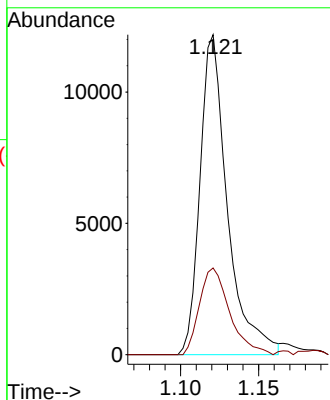
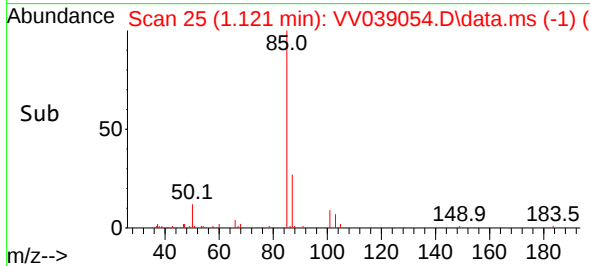
Instrument : MSVOA_V
ClientSampleId :
MDL-WATER-QT3-2025-06



Tgt Ion: 85 Resp: 14878
Ion Ratio Lower Upper
85 100
87 29.8 25.8 38.8

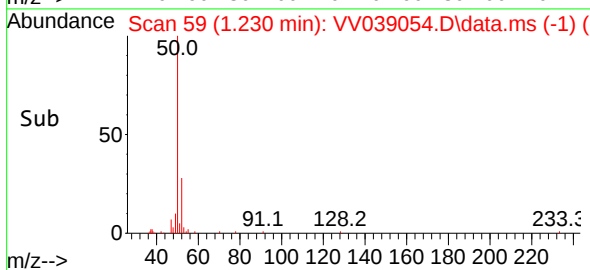
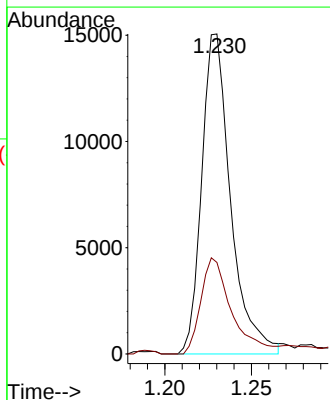
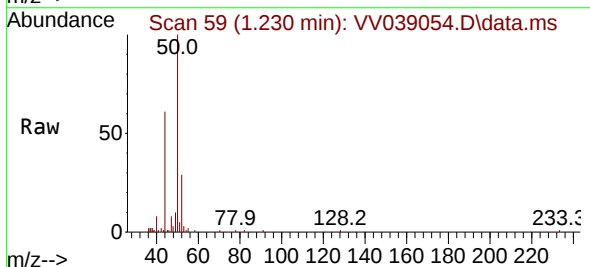
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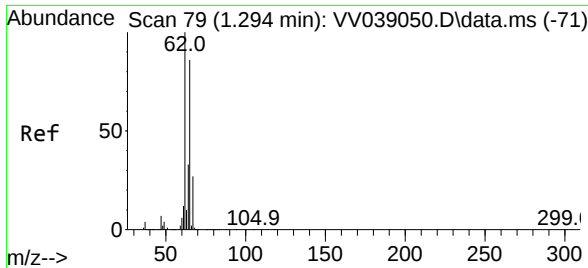
Reviewed By :Mahesh Dadoda 09/16/2025
Supervised By :Semsettin Yesilyurt 09/16/2025



#3
Chloromethane
Concen: 2.486 ug/L
RT: 1.230 min Scan# 59
Delta R.T. 0.003 min
Lab File: VV039054.D
Acq: 12 Sep 2025 12:12

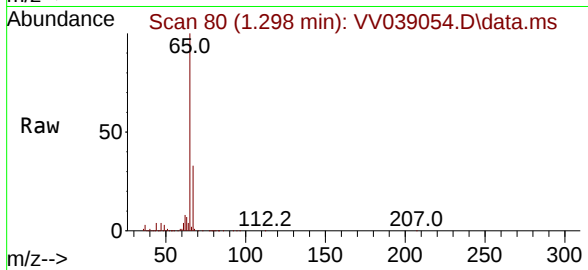
Tgt Ion: 50 Resp: 17530
Ion Ratio Lower Upper
50 100
52 28.6 23.6 43.8





#5
 Vinyl chloride
 Concen: 2.595 ug/L
 RT: 1.298 min Scan# 80
 Delta R.T. 0.003 min
 Lab File: VV039054.D
 Acq: 12 Sep 2025 12:12

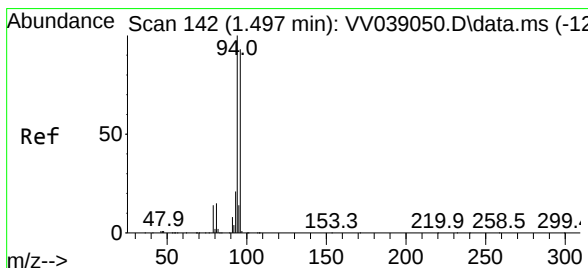
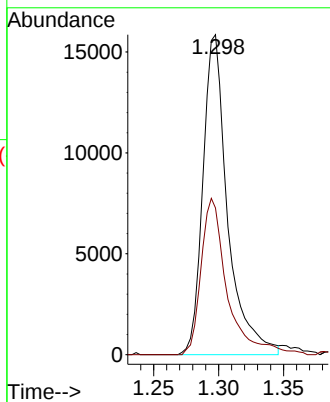
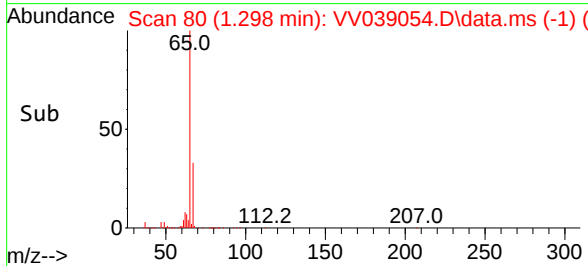
Instrument :
 MSVOA_V
 ClientSampleId :
 MDL-WATER-QT3-2025-06



Tgt Ion: 62 Resp: 2104
 Ion Ratio Lower Upper
 62 100
 64 45.9 23.4 43.4

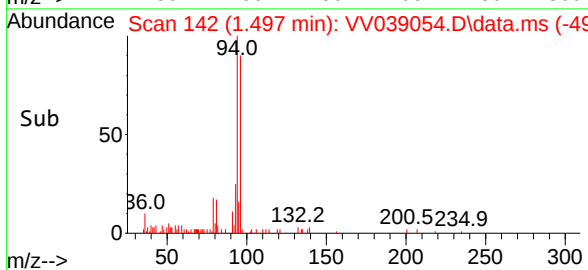
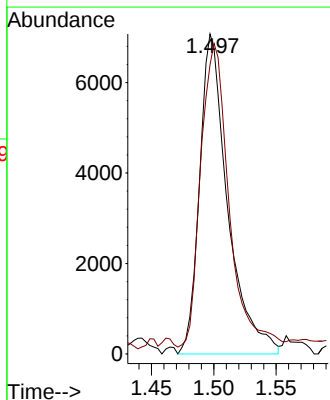
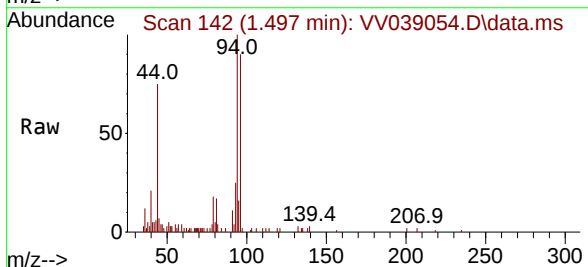
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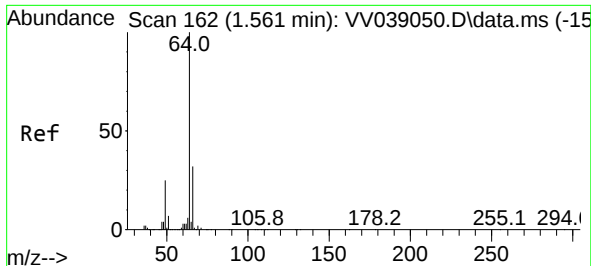
Reviewed By :Mahesh Dadoda 09/16/2025
 Supervised By :Semsettin Yesilyurt 09/16/2025



#6
 Bromomethane
 Concen: 2.459 ug/L
 RT: 1.497 min Scan# 142
 Delta R.T. 0.000 min
 Lab File: VV039054.D
 Acq: 12 Sep 2025 12:12

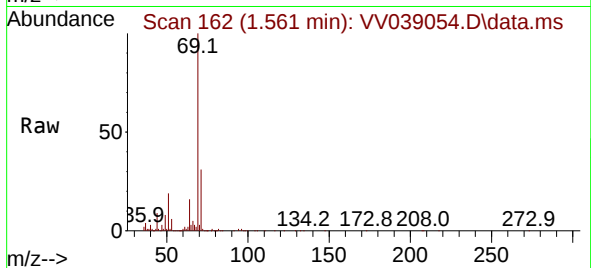
Tgt Ion: 94 Resp: 11108
 Ion Ratio Lower Upper
 94 100
 96 90.4 66.3 123.1





#8
Chloroethane
Concen: 2.531 ug/L
RT: 1.561 min Scan# 162
Delta R.T. 0.003 min
Lab File: VV039054.D
Acq: 12 Sep 2025 12:12

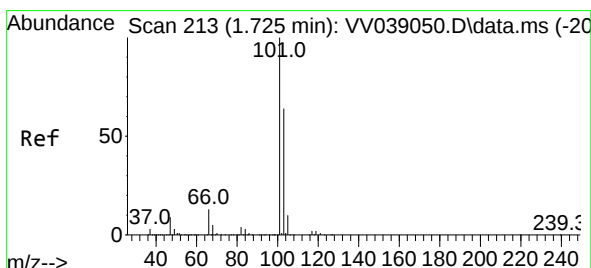
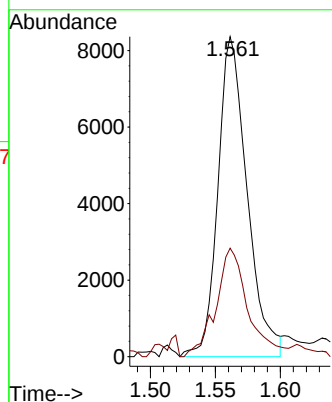
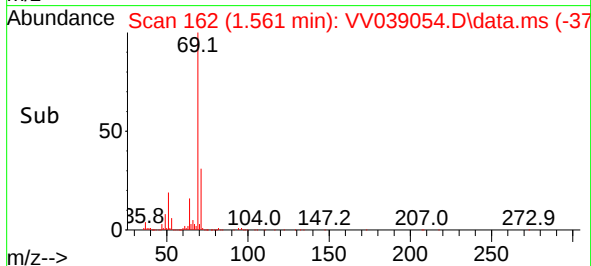
Instrument :
MSVOA_V
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MDL-WATER-QT3-2025-06



Tgt Ion: 64 Resp: 13052
Ion Ratio Lower Upper
64 100
66 33.9 22.4 41.6

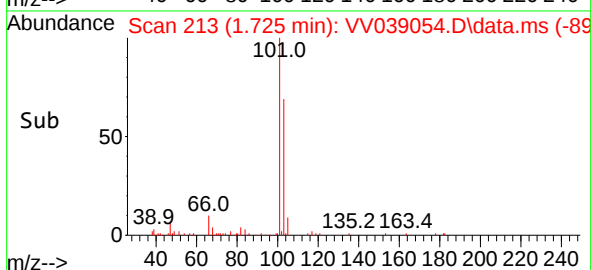
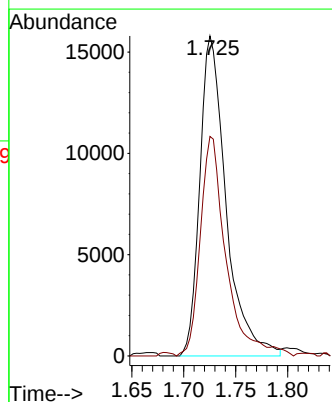
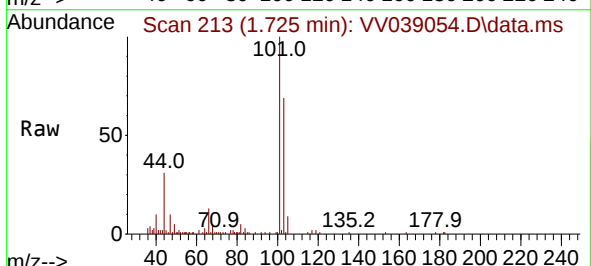
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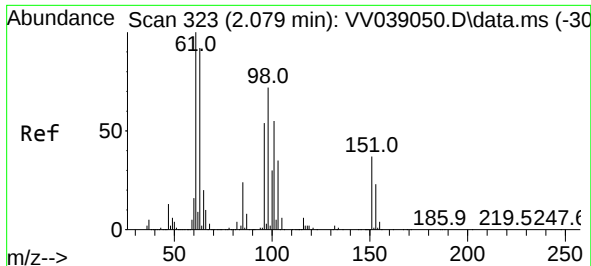
Reviewed By :Mahesh Dadoda 09/16/2025
Supervised By :Semsettin Yesilyurt 09/16/2025



#9
Trichlorofluoromethane
Concen: 2.427 ug/L
RT: 1.725 min Scan# 213
Delta R.T. 0.000 min
Lab File: VV039054.D
Acq: 12 Sep 2025 12:12

Tgt Ion:101 Resp: 27757
Ion Ratio Lower Upper
101 100
103 65.9 52.1 78.1





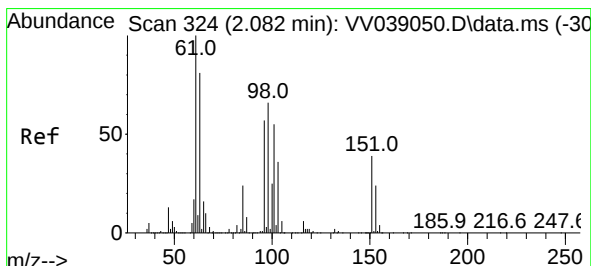
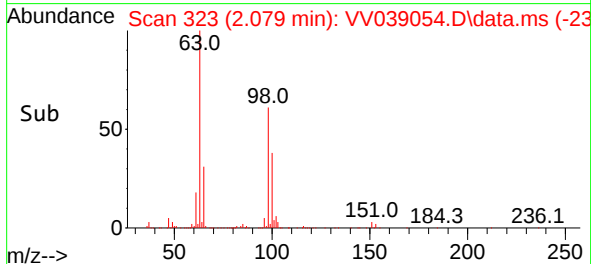
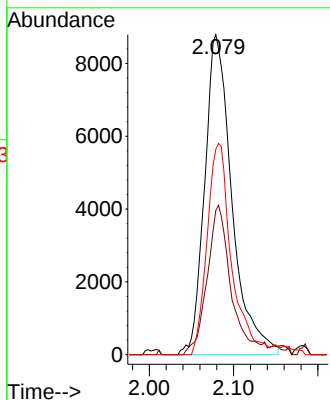
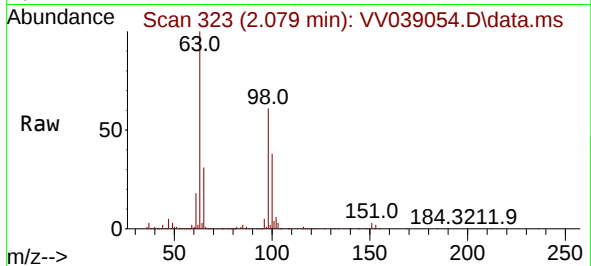
#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 2.765 ug/L
RT: 2.079 min Scan# 31
Delta R.T. 0.000 min
Lab File: VV039054.D
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Tgt Ion:101 Resp: 1982
Ion Ratio Lower Upper
101 100
85 40.4 34.7 52.1
151 58.9 54.6 81.8

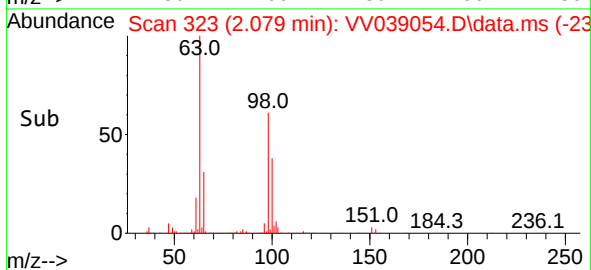
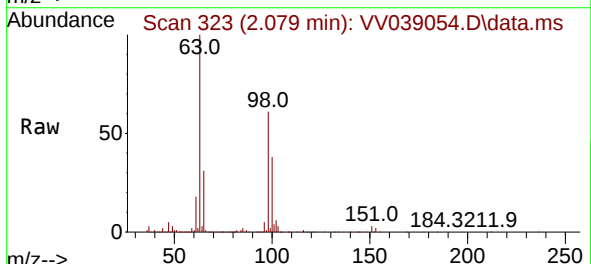
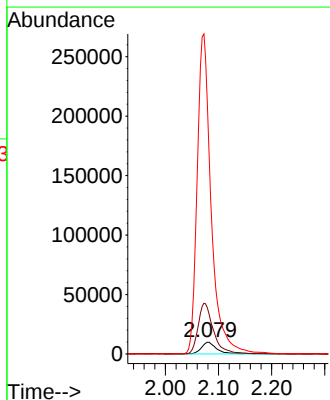
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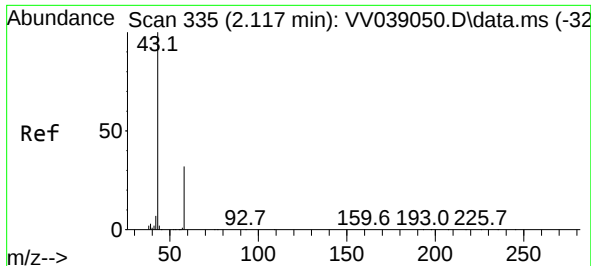
Reviewed By :Mahesh Dadoda 09/16/2025
Supervised By :Semsettin Yesilyurt 09/16/2025



#12
1,1-Dichloroethene
Concen: 3.233 ug/L m
RT: 2.079 min Scan# 323
Delta R.T. 0.000 min
Lab File: VV039054.D
Acq: 12 Sep 2025 12:12

Tgt Ion: 96 Resp: 20587
Ion Ratio Lower Upper
96 100
61 393.6 123.3 229.1#
63 2134.0 116.6 216.6#





#13

Acetone

Concen: 3.480 ug/L

RT: 2.124 min Scan# 311

Delta R.T. 0.010 min

Lab File: VV039054.D

Acq: 12 Sep 2025 12:12

Instrument :

MSVOA_V

ClientSampleId :

MDL-WATER-QT3-2025-06

Tgt Ion: 43 Resp: 19114

Ion Ratio Lower Upper

43 100

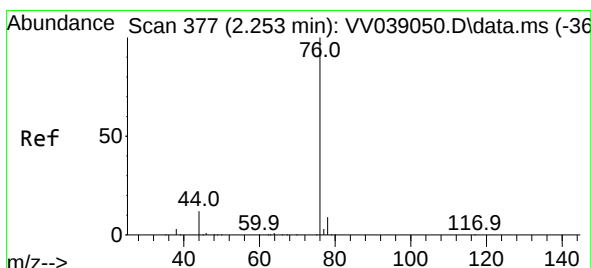
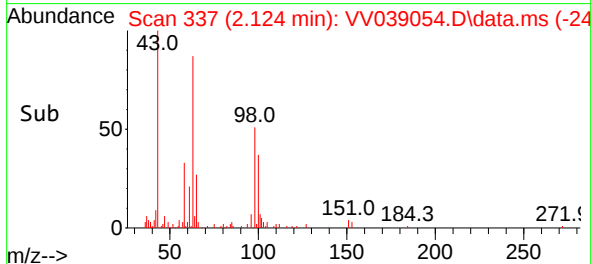
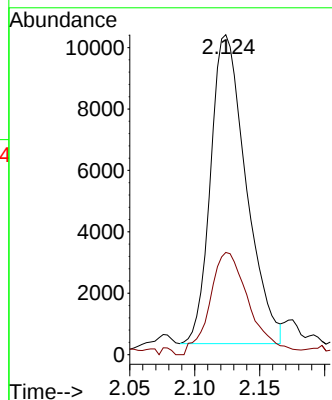
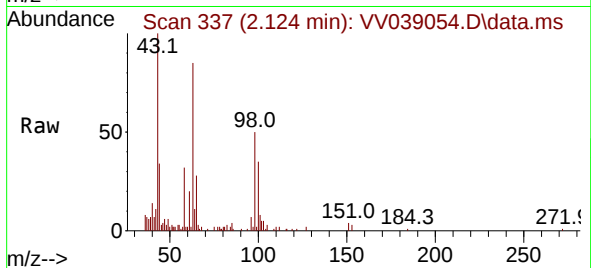
58 37.0 0.0 65.8

Manual Integrations

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#14

Carbon disulfide

Concen: 2.237 ug/L

RT: 2.253 min Scan# 377

Delta R.T. 0.003 min

Lab File: VV039054.D

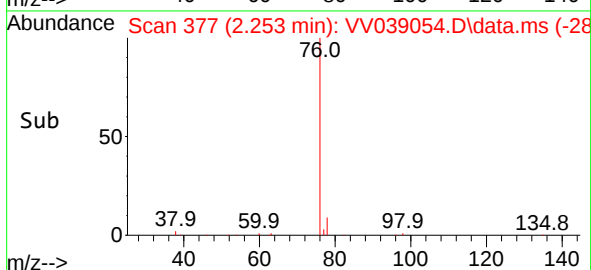
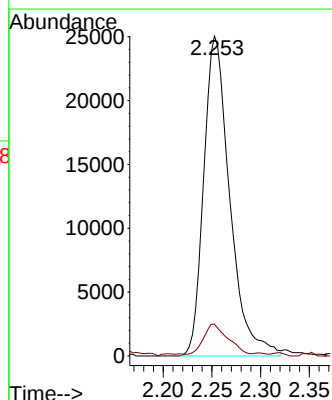
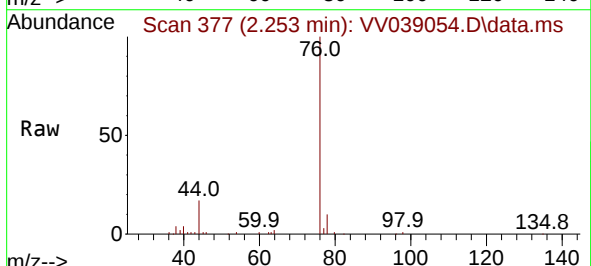
Acq: 12 Sep 2025 12:12

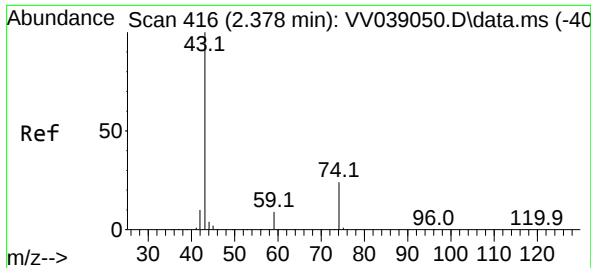
Tgt Ion: 76 Resp: 46619

Ion Ratio Lower Upper

76 100

78 9.9 7.0 10.6





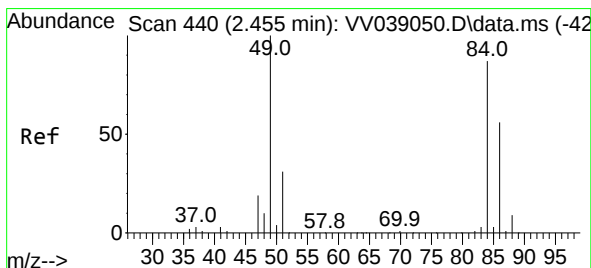
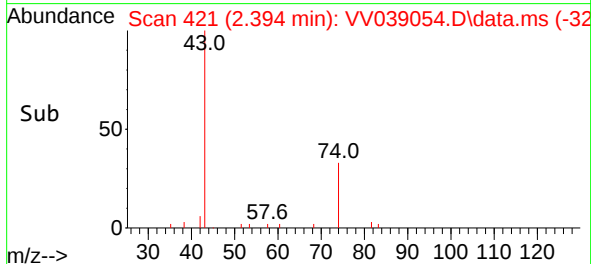
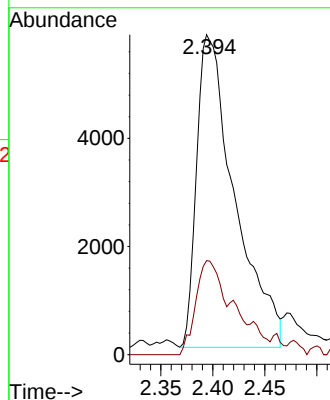
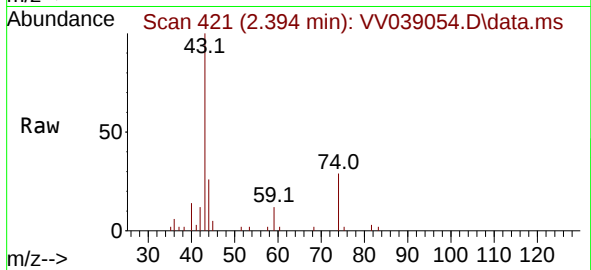
#15
Methyl Acetate
Concen: 2.059 ug/L
RT: 2.394 min Scan# 416
Delta R.T. 0.016 min
Lab File: VV039054.D
Acq: 12 Sep 2025 12:12

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

Tgt Ion: 43 Resp: 1470
Ion Ratio Lower Upper
43 100
74 20.3 19.6 29.4

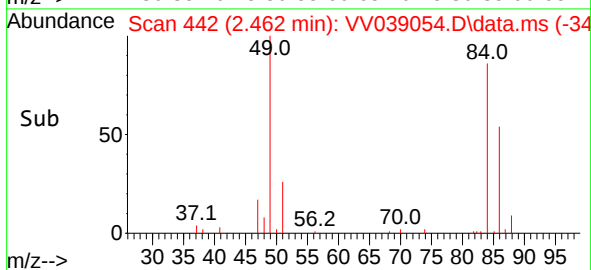
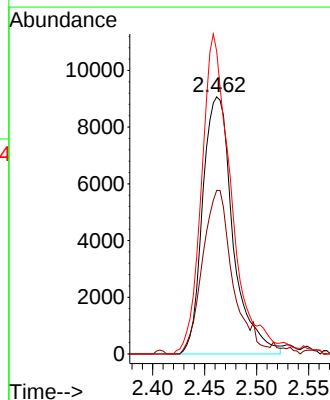
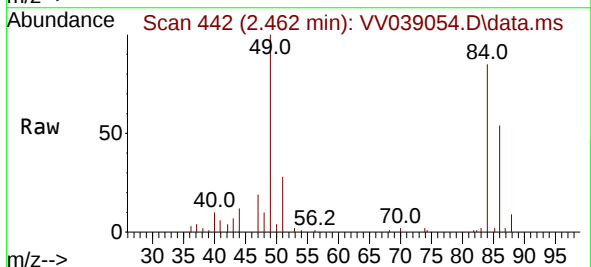
Manual Integrations
APPROVED

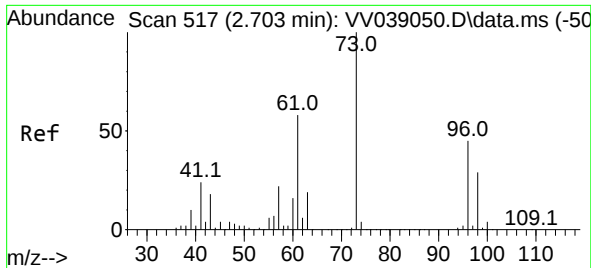
Reviewed By :Mahesh Dadoda 09/16/2025
Supervised By :Semsettin Yesilyurt 09/16/2025



#16
Methylene chloride
Concen: 2.624 ug/L
RT: 2.462 min Scan# 442
Delta R.T. 0.007 min
Lab File: VV039054.D
Acq: 12 Sep 2025 12:12

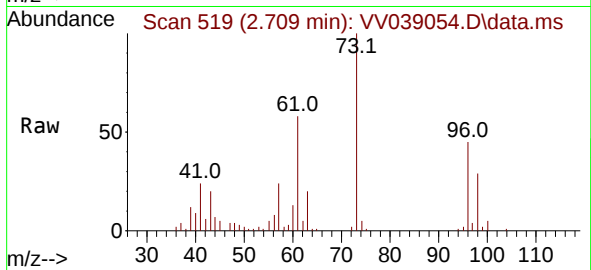
Tgt Ion: 84 Resp: 18392
Ion Ratio Lower Upper
84 100
86 63.6 44.7 83.1
49 117.7 82.0 152.4





#17
trans-1,2-Dichloroethene
Concen: 2.307 ug/L
RT: 2.709 min Scan# 517
Delta R.T. 0.010 min
Lab File: VV039054.D
Acq: 12 Sep 2025 12:12

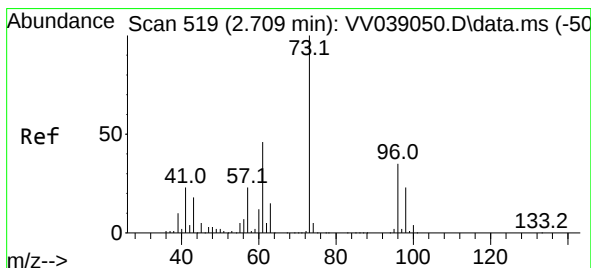
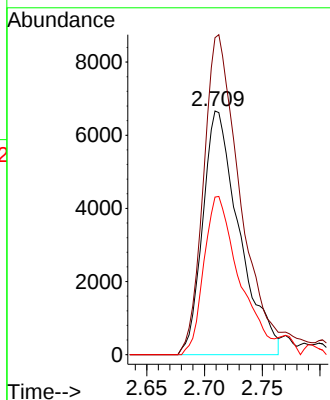
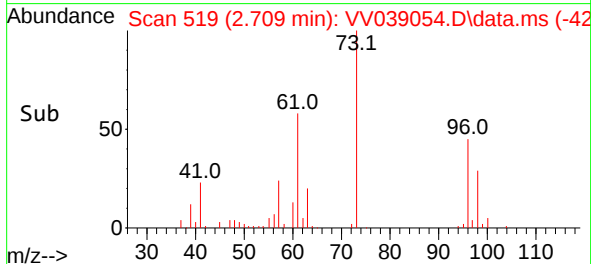
Instrument : MSVOA_V
ClientSampleId :
MDL-WATER-QT3-2025-06



Tgt Ion: 96 Resp: 1462
Ion Ratio Lower Upper
96 100
61 130.0 91.3 169.5
98 64.6 44.7 83.1

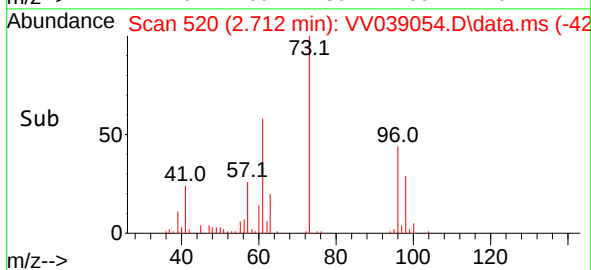
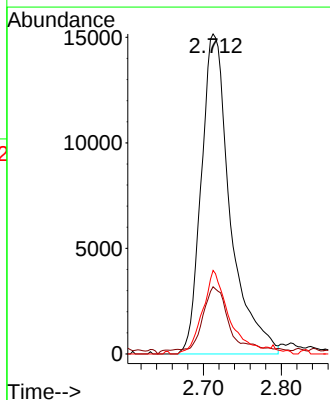
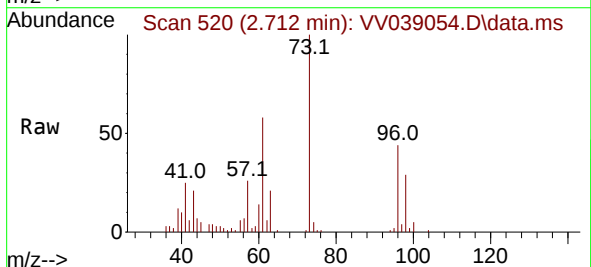
Manual Integrations
APPROVED

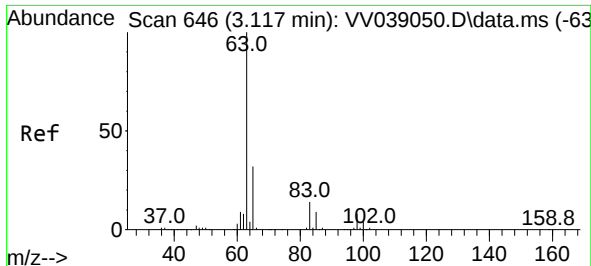
Reviewed By :Mahesh Dadoda 09/16/2025
Supervised By :Semsettin Yesilyurt 09/16/2025



#18
Methyl tert-butyl Ether
Concen: 2.150 ug/L
RT: 2.712 min Scan# 520
Delta R.T. 0.007 min
Lab File: VV039054.D
Acq: 12 Sep 2025 12:12

Tgt Ion: 73 Resp: 39051
Ion Ratio Lower Upper
73 100
43 15.4 14.2 21.4
57 23.5 17.5 26.3





#19

1,1-Dichloroethane

Concen: 2.410 ug/L

RT: 3.127 min Scan# 646

Delta R.T. 0.013 min

Lab File: VV039054.D

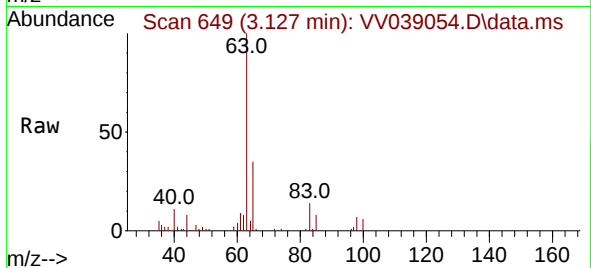
Acq: 12 Sep 2025 12:12

Instrument :

MSVOA_V

ClientSampleId :

MDL-WATER-QT3-2025-06

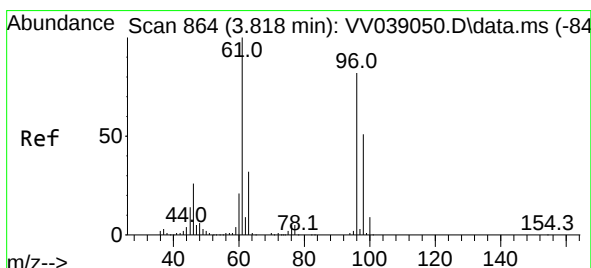
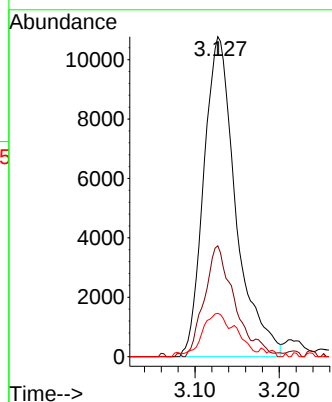
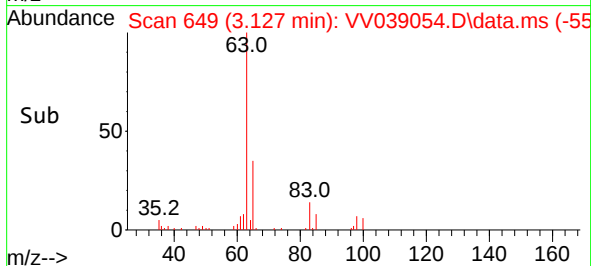


Tgt Ion:	63	Resp:	2840
Ion Ratio	Lower	Upper	
63	100		
65	34.7	22.4	41.6
83	13.6	9.6	17.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 09/16/2025
Supervised By :Semsettin Yesilyurt 09/16/2025



#20

cis-1,2-Dichloroethene

Concen: 2.378 ug/L m

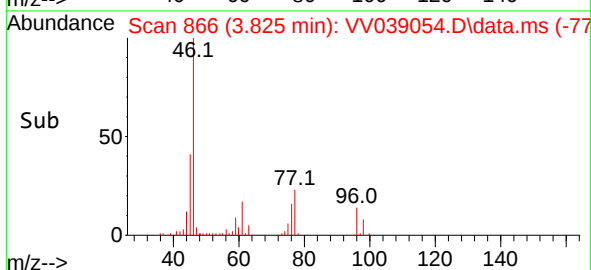
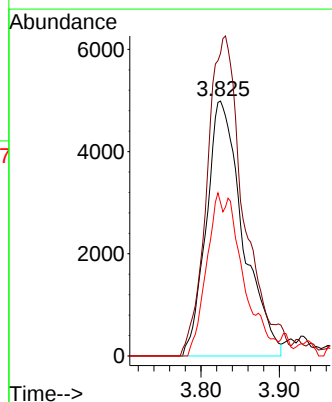
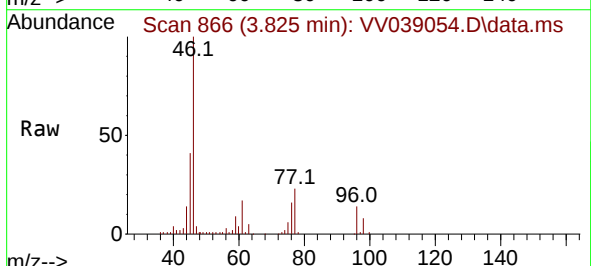
RT: 3.825 min Scan# 866

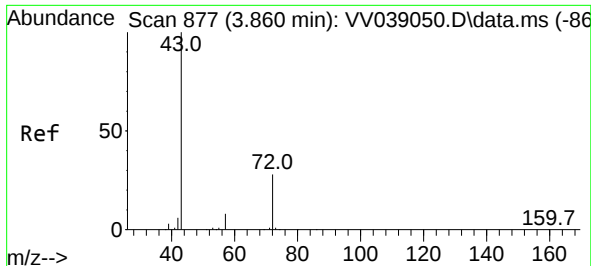
Delta R.T. 0.010 min

Lab File: VV039054.D

Acq: 12 Sep 2025 12:12

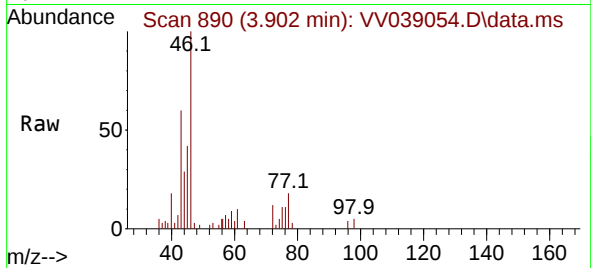
Tgt Ion:	96	Resp:	16104
Ion Ratio	Lower	Upper	
96	100		
61	118.7	83.8	155.6
98	60.1	43.5	80.9





#22
2-Butanone
Concen: 4.795 ug/L m
RT: 3.902 min Scan# 890
Delta R.T. 0.045 min
Lab File: VV039054.D
Acq: 12 Sep 2025 12:12

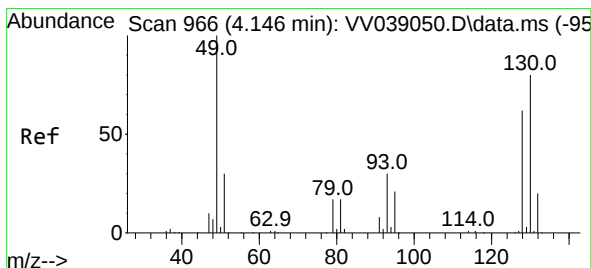
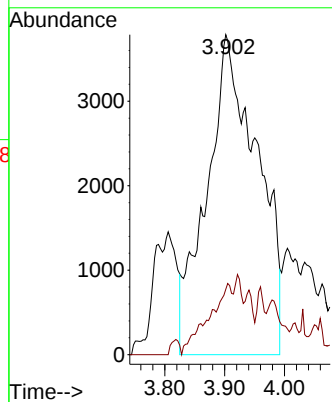
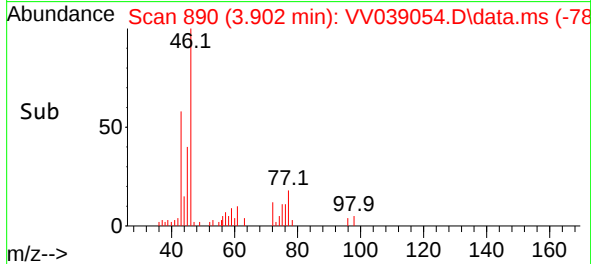
Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT3-2025-06



Tgt Ion: 43 Resp: 2223
Ion Ratio Lower Upper
43 100
72 5.6 13.2 39.5

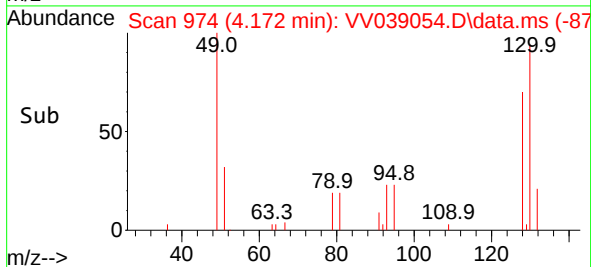
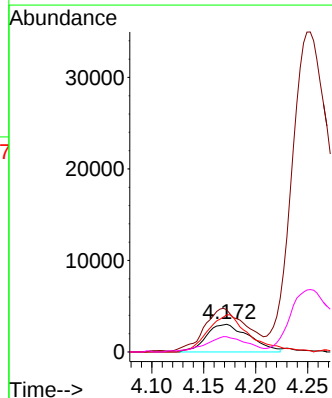
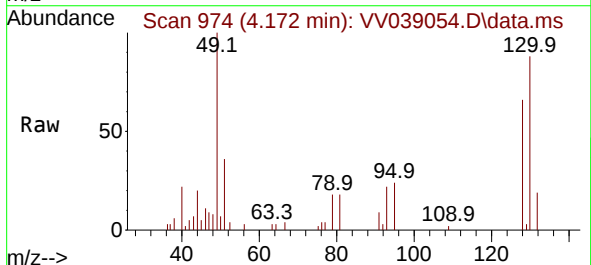
Manual Integrations
APPROVED

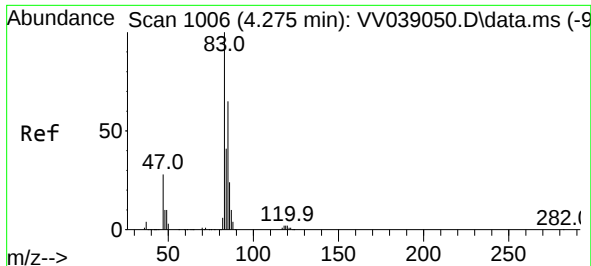
Reviewed By :Mahesh Dadoda 09/16/2025
Supervised By :Semsettin Yesilyurt 09/16/2025



#23
Bromochloromethane
Concen: 2.349 ug/L
RT: 4.172 min Scan# 974
Delta R.T. 0.026 min
Lab File: VV039054.D
Acq: 12 Sep 2025 12:12

Tgt Ion:128 Resp: 8701
Ion Ratio Lower Upper
128 100
49 151.7 108.4 201.4
130 133.9 89.1 165.5
51 54.6 40.2 60.2





#25

Chloroform

Concen: 3.200 ug/L

RT: 4.281 min Scan# 1006

Delta R.T. 0.010 min

Lab File: VV039054.D

Acq: 12 Sep 2025 12:12

Instrument :

MSVOA_V

ClientSampleId :

MDL-WATER-QT3-2025-06

Tgt Ion: 83 Resp: 40268

Ion Ratio Lower Upper

83 100

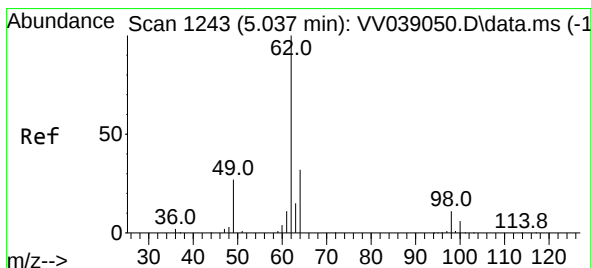
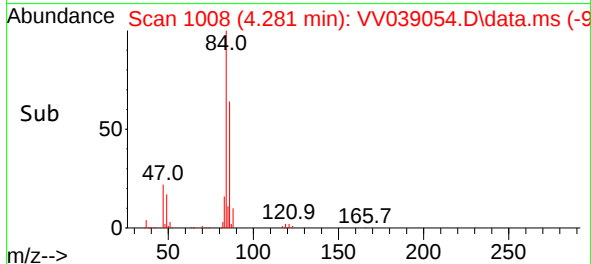
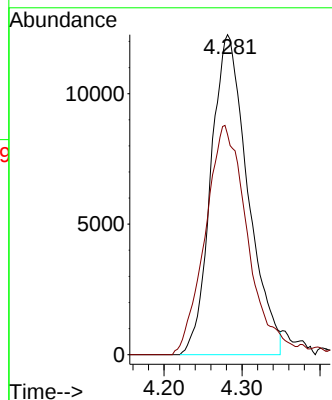
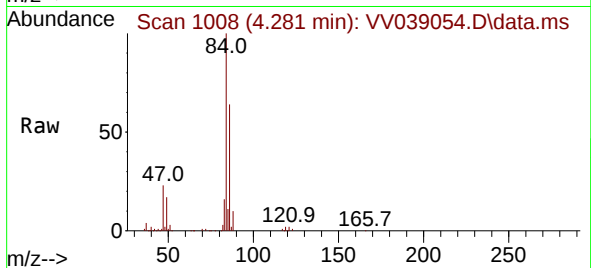
85 68.8 46.1 85.5

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 09/16/2025

Supervised By :Semsettin Yesilyurt 09/16/2025



#27

1,2-Dichloroethane

Concen: 2.207 ug/L

RT: 5.059 min Scan# 1250

Delta R.T. 0.026 min

Lab File: VV039054.D

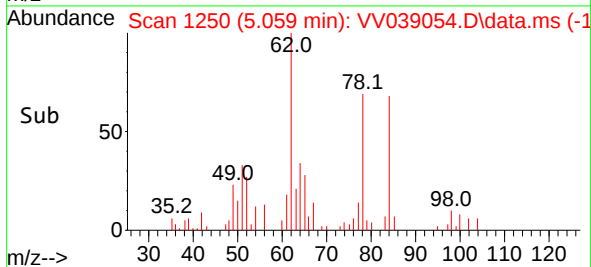
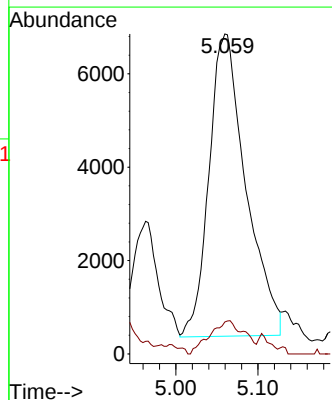
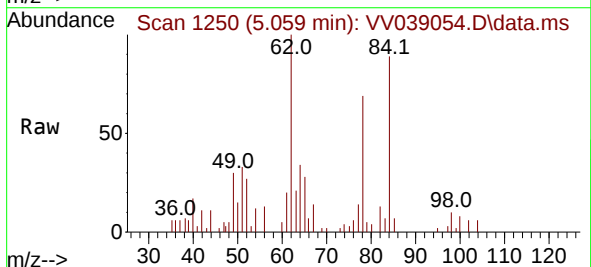
Acq: 12 Sep 2025 12:12

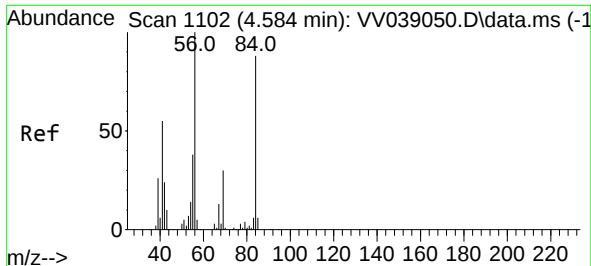
Tgt Ion: 62 Resp: 20226

Ion Ratio Lower Upper

62 100

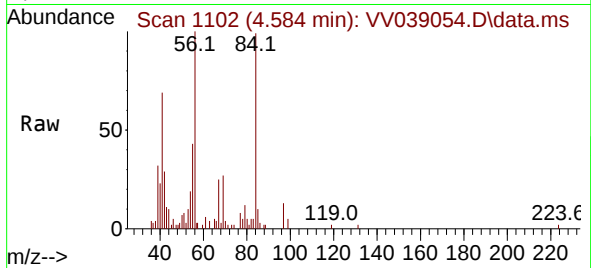
98 10.0 8.2 12.4





#29
Cyclohexane
Concen: 1.785 ug/L
RT: 4.584 min Scan# 1102
Delta R.T. 0.003 min
Lab File: VV039054.D
Acq: 12 Sep 2025 12:12

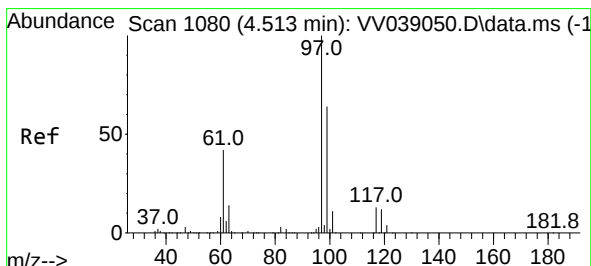
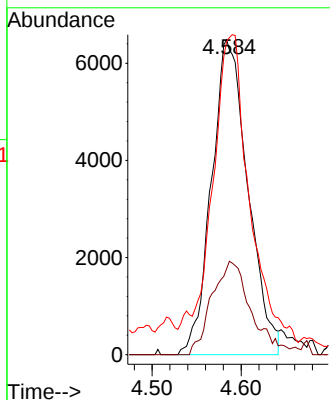
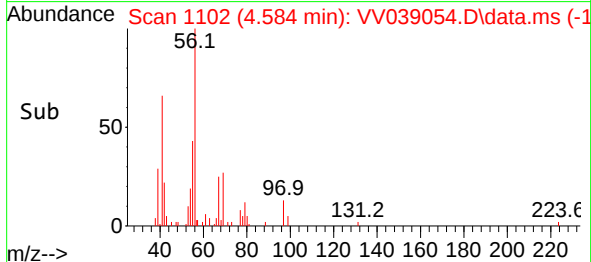
Instrument : MSVOA_V
ClientSampleId : MDL-WATER-QT3-2025-06



Tgt Ion: 56 Resp: 1841
Ion Ratio Lower Upper
56 100
69 28.8 25.1 37.7
84 89.8 73.0 109.4

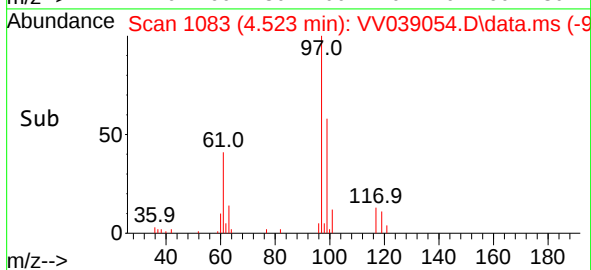
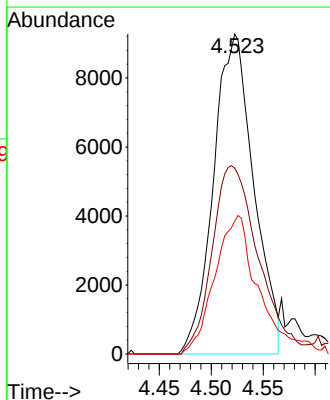
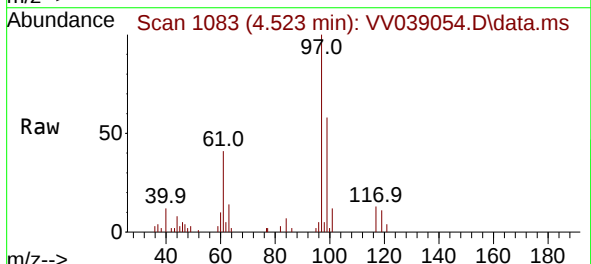
Manual Integrations
APPROVED

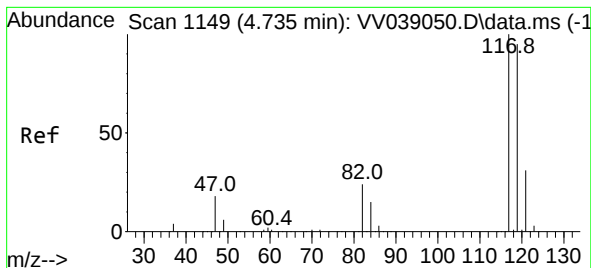
Reviewed By :Mahesh Dadoda 09/16/2025
Supervised By :Semsettin Yesilyurt 09/16/2025



#30
1,1,1-Trichloroethane
Concen: 2.233 ug/L
RT: 4.523 min Scan# 1083
Delta R.T. 0.013 min
Lab File: VV039054.D
Acq: 12 Sep 2025 12:12

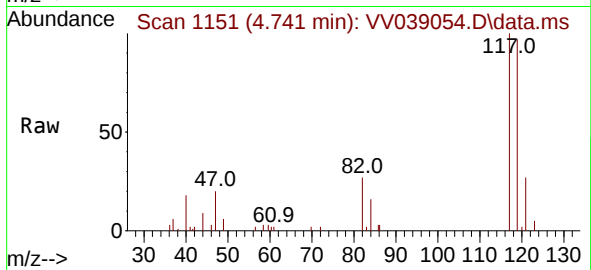
Tgt Ion: 97 Resp: 24994
Ion Ratio Lower Upper
97 100
99 67.2 51.1 76.7
61 46.3 33.7 50.5





#31
Carbon tetrachloride
Concen: 2.109 ug/L
RT: 4.741 min Scan# 1149
Delta R.T. 0.010 min
Lab File: VV039054.D
Acq: 12 Sep 2025 12:12

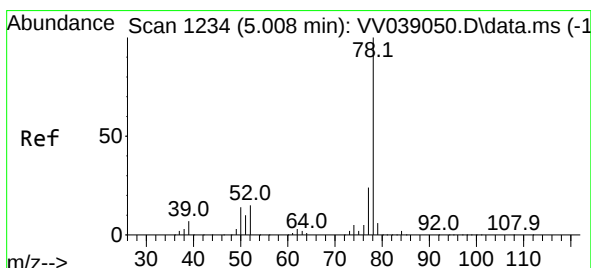
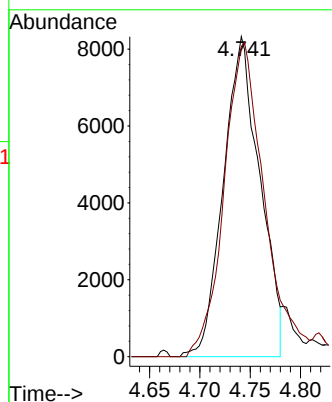
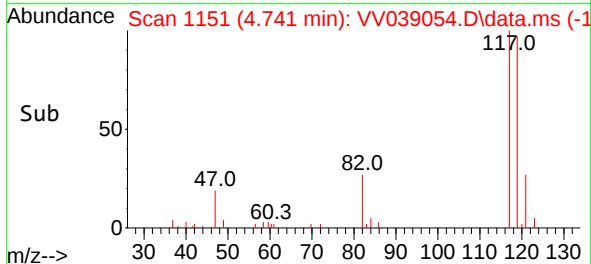
Instrument : MSVOA_V
ClientSampleId :
MDL-WATER-QT3-2025-06



Tgt Ion:117 Resp: 2099
Ion Ratio Lower Upper
117 100
119 108.0 76.2 114.4

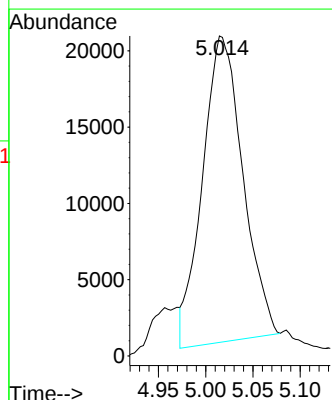
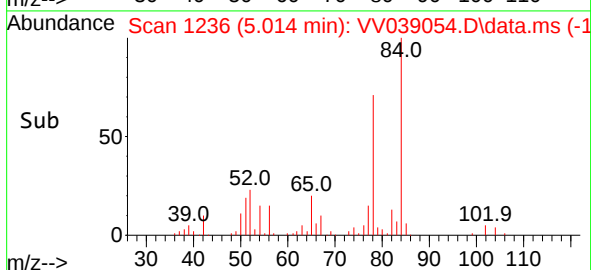
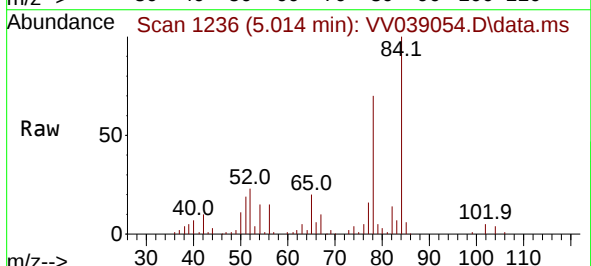
Manual Integrations
APPROVED

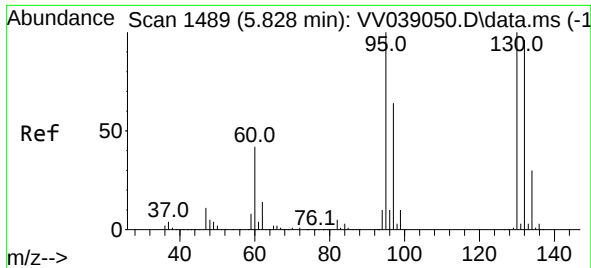
Reviewed By :Mahesh Dadoda 09/16/2025
Supervised By :Semsettin Yesilyurt 09/16/2025



#33
Benzene
Concen: 2.302 ug/L
RT: 5.014 min Scan# 1236
Delta R.T. 0.010 min
Lab File: VV039054.D
Acq: 12 Sep 2025 12:12

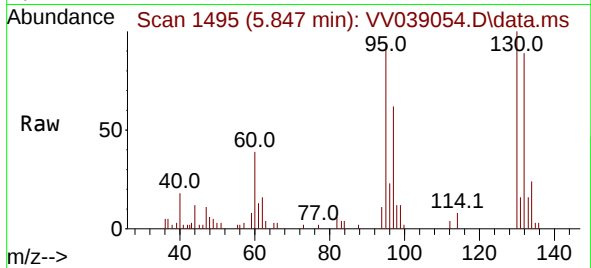
Tgt Ion: 78 Resp: 59576





#34
Trichloroethene
Concen: 2.338 ug/L
RT: 5.847 min Scan# 1489
Delta R.T. 0.023 min
Lab File: VV039054.D
Acq: 12 Sep 2025 12:12

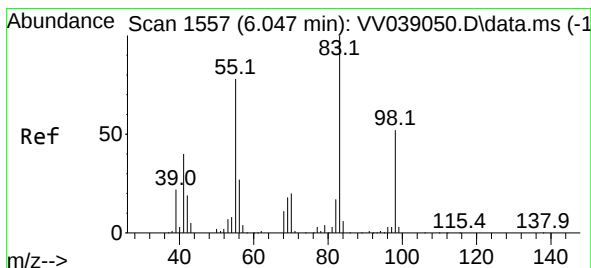
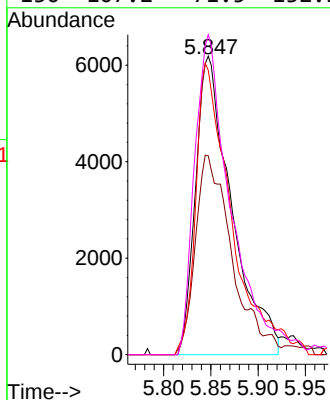
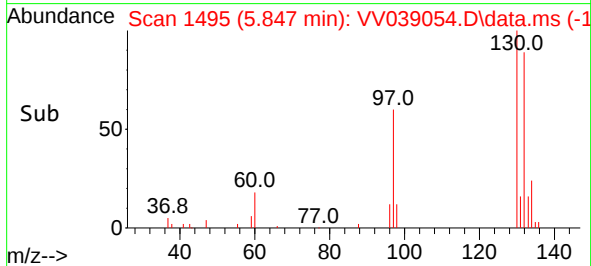
Instrument : MSVOA_V
ClientSampleId :
MDL-WATER-QT3-2025-06



Tgt Ion: 95 Resp: 1639
Ion Ratio Lower Upper
95 100
97 66.6 45.4 84.2
132 95.2 69.9 129.7
130 107.2 71.5 132.9

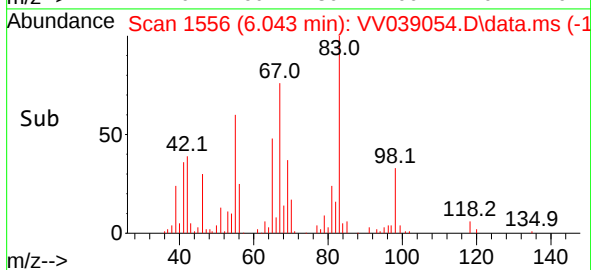
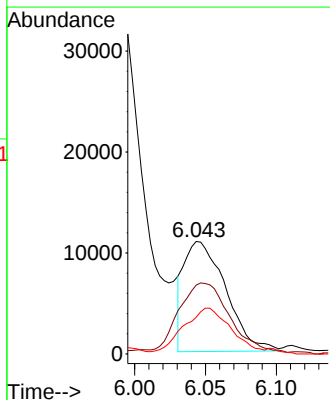
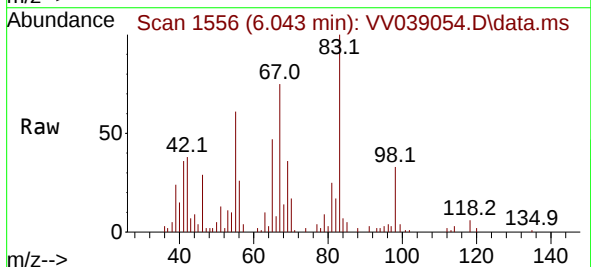
Manual Integrations
APPROVED

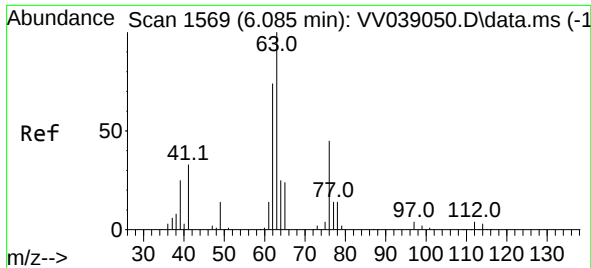
Reviewed By :Mahesh Dadoda 09/16/2025
Supervised By :Semsettin Yesilyurt 09/16/2025



#35
Methylcyclohexane
Concen: 1.987 ug/L
RT: 6.043 min Scan# 1556
Delta R.T. 0.000 min
Lab File: VV039054.D
Acq: 12 Sep 2025 12:12

Tgt Ion: 83 Resp: 22303
Ion Ratio Lower Upper
83 100
55 79.6 59.0 88.6
98 47.8 37.7 56.5





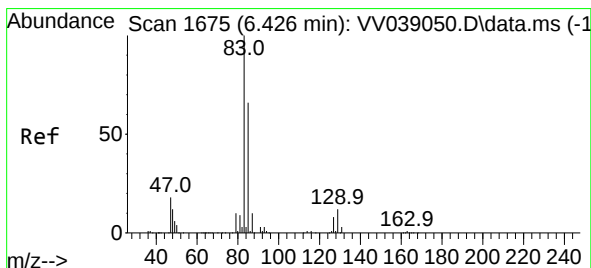
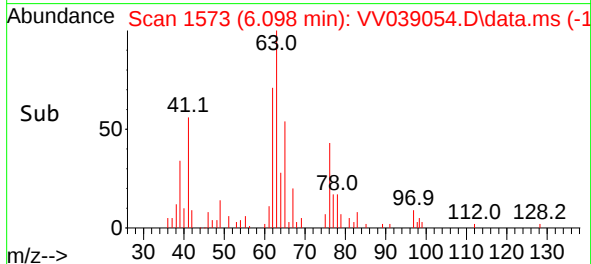
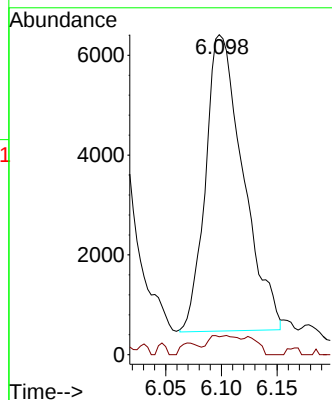
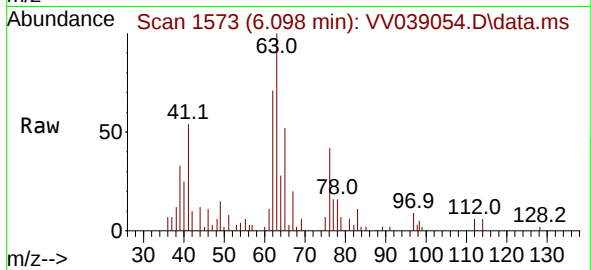
#37
1,2-Dichloropropane
Concen: 2.015 ug/L
RT: 6.098 min Scan# 1569
Delta R.T. 0.013 min
Lab File: VV039054.D
Acq: 12 Sep 2025 12:12

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

Tgt Ion: 63 Resp: 13958
Ion Ratio Lower Upper
63 100
112 1.1 3.6 5.4

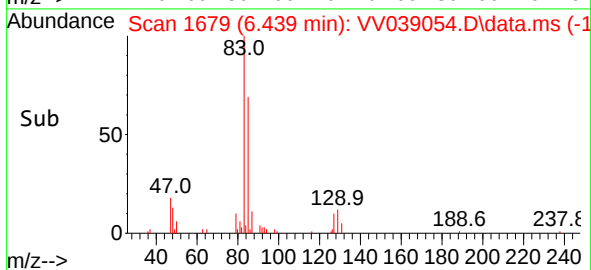
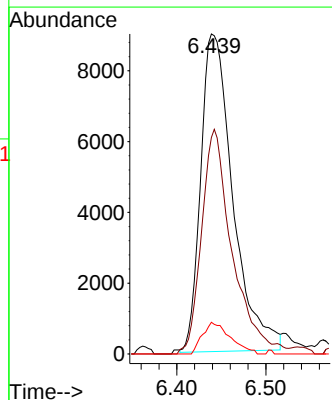
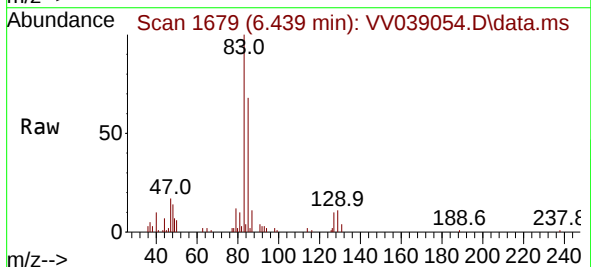
Manual Integrations
APPROVED

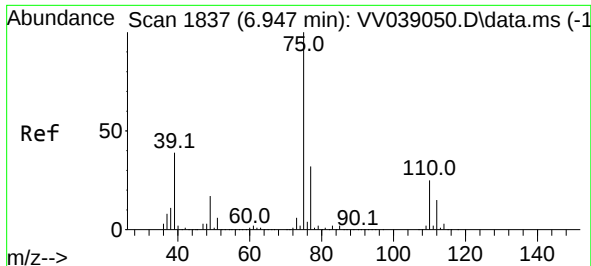
Reviewed By :Mahesh Dadoda 09/16/2025
Supervised By :Semsettin Yesilyurt 09/16/2025



#38
Bromodichloromethane
Concen: 2.310 ug/L
RT: 6.439 min Scan# 1679
Delta R.T. 0.016 min
Lab File: VV039054.D
Acq: 12 Sep 2025 12:12

Tgt Ion: 83 Resp: 22521
Ion Ratio Lower Upper
83 100
85 67.7 43.5 80.7
127 9.9 6.4 9.6





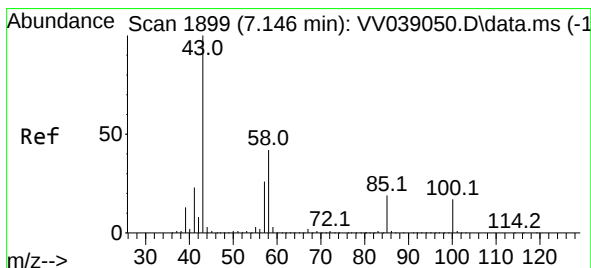
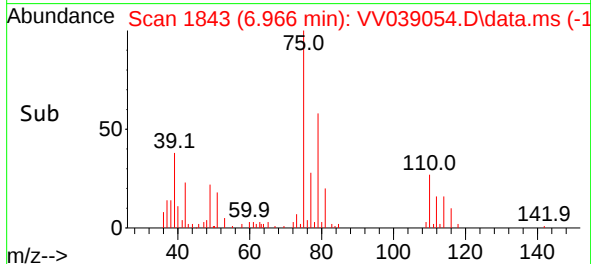
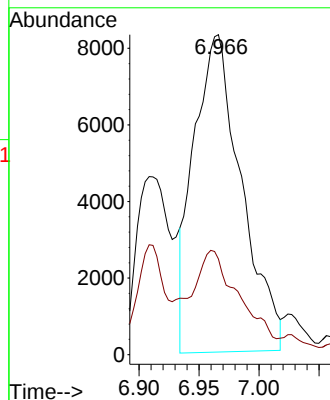
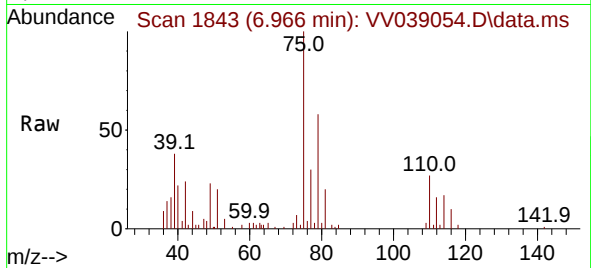
#39
cis-1,3-Dichloropropene
Concen: 2.069 ug/L
RT: 6.966 min Scan# 11
Delta R.T. 0.023 min
Lab File: VV039054.D
Acq: 12 Sep 2025 12:12

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

Tgt Ion: 75 Resp: 2284
Ion Ratio Lower Upper
75 100
77 29.9 22.5 41.7

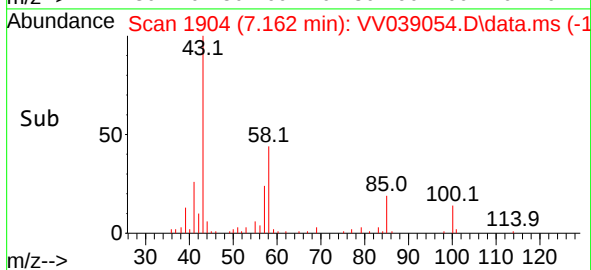
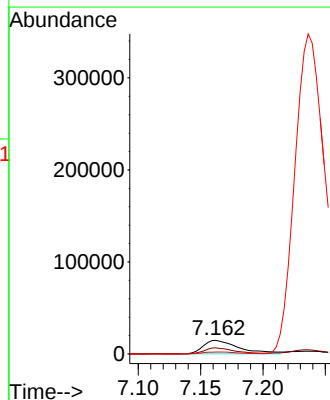
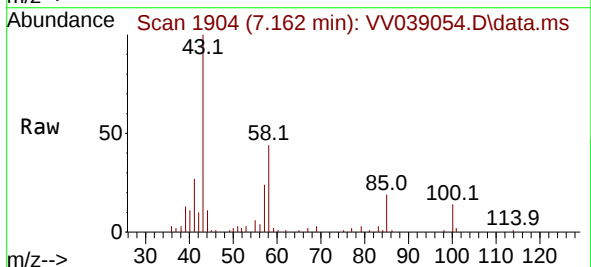
Manual Integrations
APPROVED

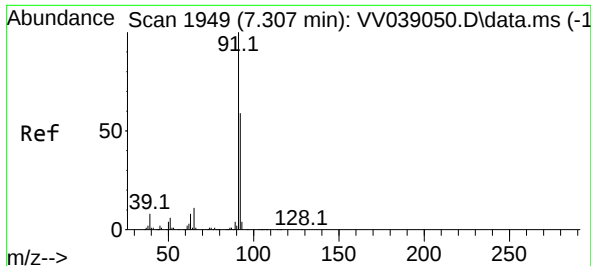
Reviewed By :Mahesh Dadoda 09/16/2025
Supervised By :Semsettin Yesilyurt 09/16/2025



#40
4-Methyl-2-pentanone
Concen: 3.324 ug/L
RT: 7.162 min Scan# 1904
Delta R.T. 0.019 min
Lab File: VV039054.D
Acq: 12 Sep 2025 12:12

Tgt Ion: 43 Resp: 29213
Ion Ratio Lower Upper
43 100
58 39.0 32.6 48.8
100 14.9 12.7 19.1





#42

Toluene

Concen: 2.173 ug/L

RT: 7.320 min Scan# 1949

Delta R.T. 0.016 min

Lab File: VV039054.D

Acq: 12 Sep 2025 12:12

Instrument :

MSVOA_V

ClientSampleId :

MDL-WATER-QT3-2025-06

Tgt Ion: 91 Resp: 61979

Ion Ratio Lower Upper

91 100

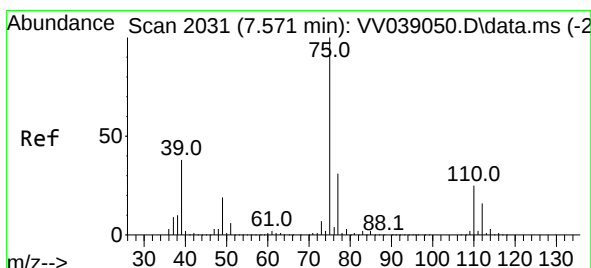
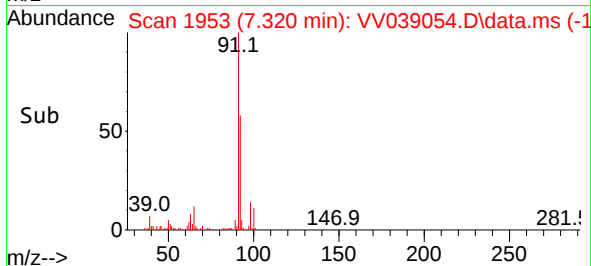
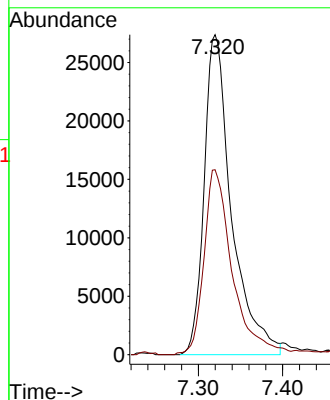
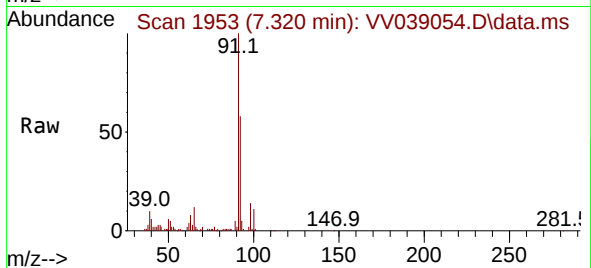
92 57.8 40.9 75.9

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 09/16/2025

Supervised By :Semsettin Yesilyurt 09/16/2025



#44

trans-1,3-Dichloropropene

Concen: 1.978 ug/L

RT: 7.587 min Scan# 2036

Delta R.T. 0.016 min

Lab File: VV039054.D

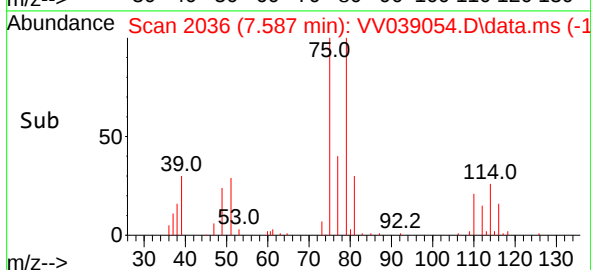
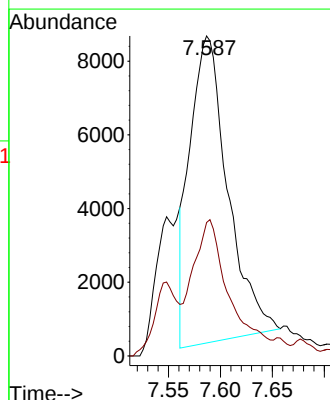
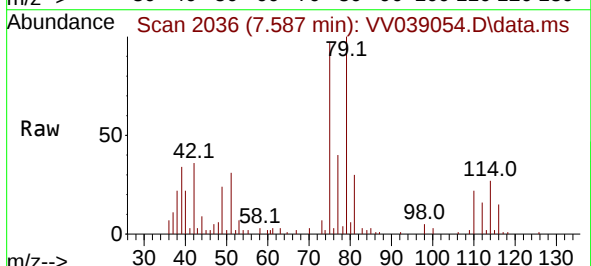
Acq: 12 Sep 2025 12:12

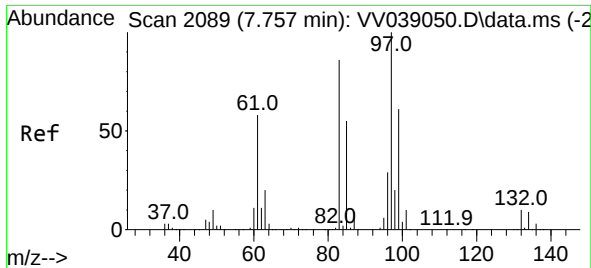
Tgt Ion: 75 Resp: 21062

Ion Ratio Lower Upper

75 100

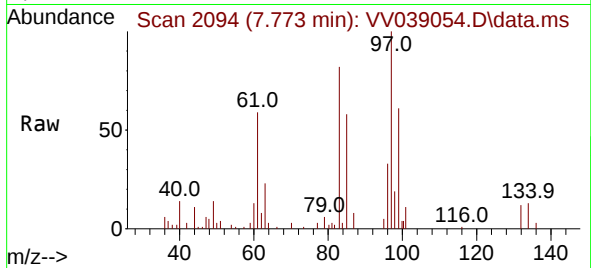
77 41.7 21.6 40.2#





#45
1,1,2-Trichloroethane
Concen: 2.340 ug/L
RT: 7.773 min Scan# 2089
Delta R.T. 0.016 min
Lab File: VV039054.D
Acq: 12 Sep 2025 12:12

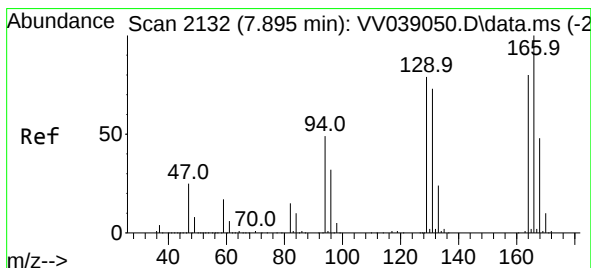
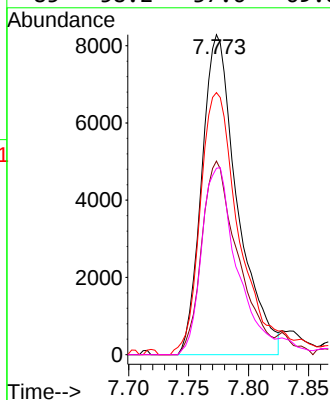
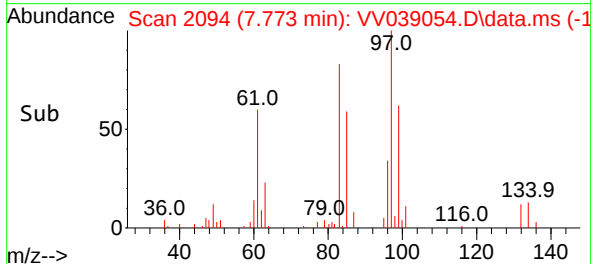
Instrument : MSVOA_V
ClientSampleId :
MDL-WATER-QT3-2025-06



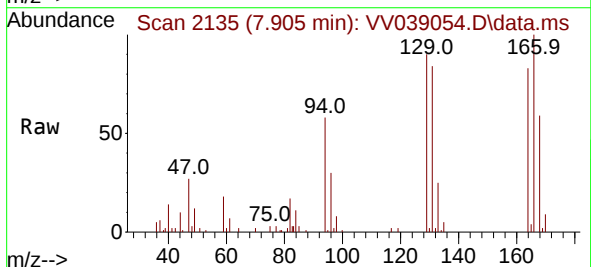
Tgt Ion:	97	Resp:	1715
Ion Ratio	100	Lower	Upper
97	100		
99	60.5	42.3	78.5
83	81.9	59.4	110.2
85	58.2	37.6	69.8

Manual Integrations
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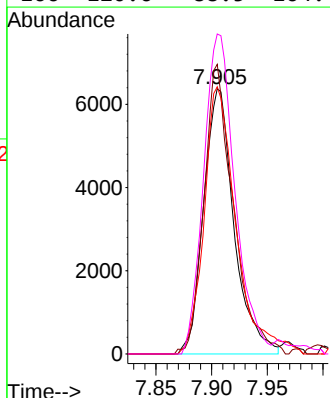
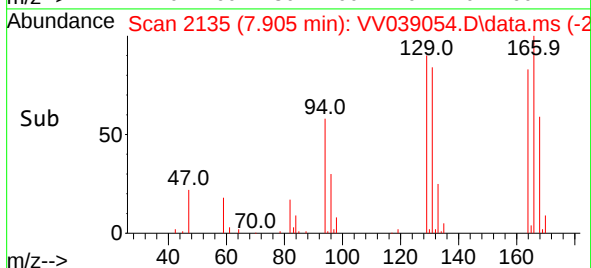
Reviewed By :Mahesh Dadoda 09/16/2025
Supervised By :Semsettin Yesilyurt 09/16/2025

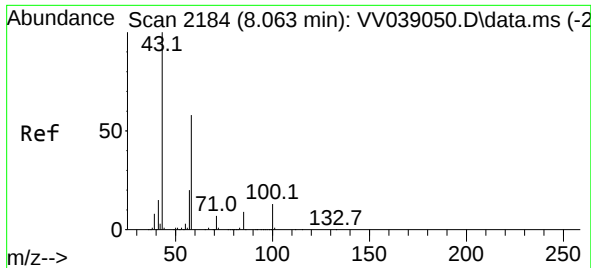


#46
Tetrachloroethene
Concen: 2.221 ug/L
RT: 7.905 min Scan# 2135
Delta R.T. 0.010 min
Lab File: VV039054.D
Acq: 12 Sep 2025 12:12



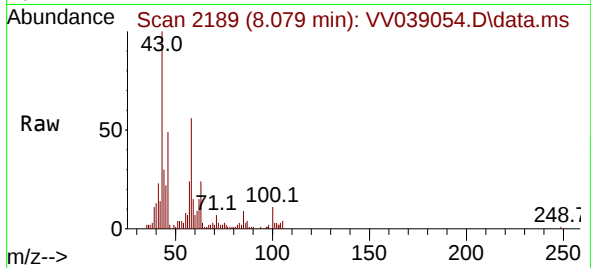
Tgt Ion:	164	Resp:	12085
Ion Ratio	100	Lower	Upper
164	100		
129	109.2	67.0	124.4
131	100.8	65.6	121.8
166	120.6	88.5	164.4





#48
2-Hexanone
Concen: 4.820 ug/L
RT: 8.079 min Scan# 2184
Delta R.T. 0.019 min
Lab File: VV039054.D
Acq: 12 Sep 2025 12:12

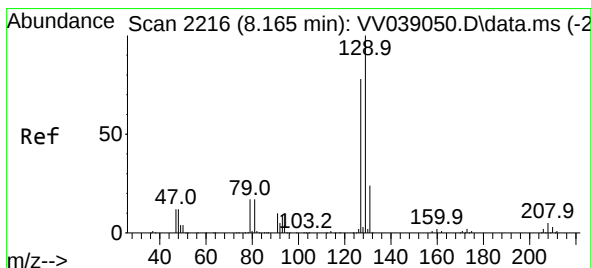
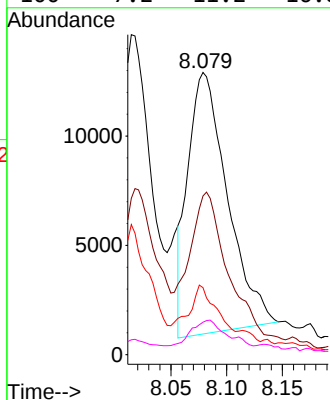
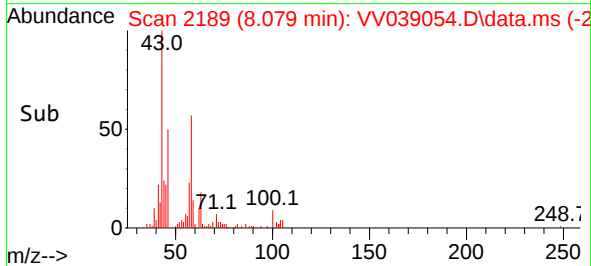
Instrument : MSVOA_V
ClientSampleId :
MDL-WATER-QT3-2025-06



Tgt Ion: 43 Resp: 29550
Ion Ratio Lower Upper
43 100
58 60.2 46.3 69.5
57 10.4 15.8 23.6
100 7.2 11.2 16.8#

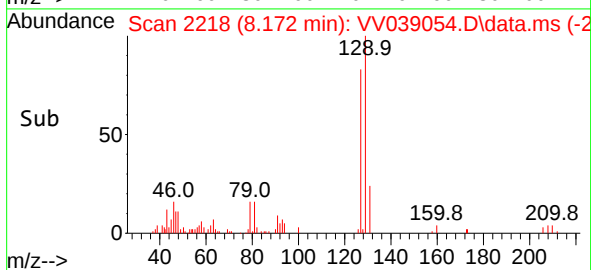
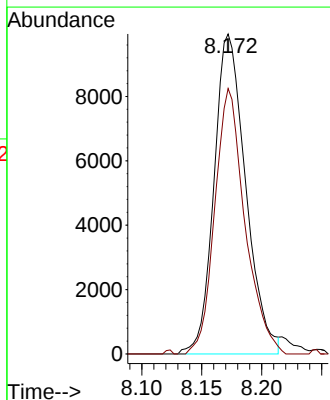
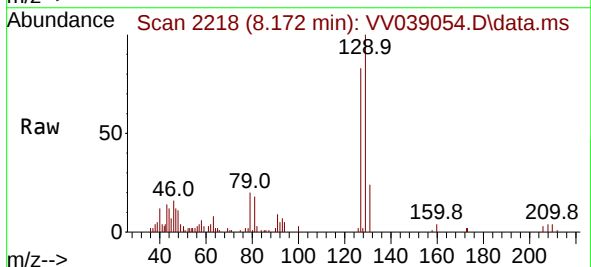
Manual Integrations
APPROVED

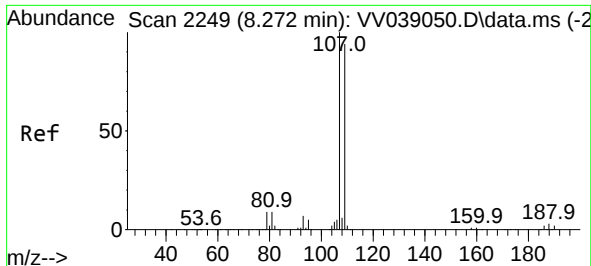
Reviewed By :Mahesh Dadoda 09/16/2025
Supervised By :Semsettin Yesilyurt 09/16/2025



#49
Dibromochloromethane
Concen: 2.356 ug/L
RT: 8.172 min Scan# 2218
Delta R.T. 0.007 min
Lab File: VV039054.D
Acq: 12 Sep 2025 12:12

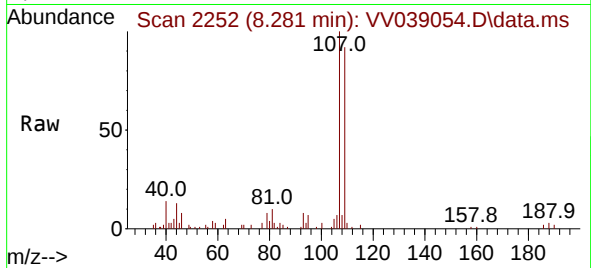
Tgt Ion:129 Resp: 18258
Ion Ratio Lower Upper
129 100
127 82.9 53.8 100.0





#50
1,2-Dibromoethane
Concen: 2.243 ug/L
RT: 8.281 min Scan# 2179
Delta R.T. 0.013 min
Lab File: VV039054.D
Acq: 12 Sep 2025 12:12

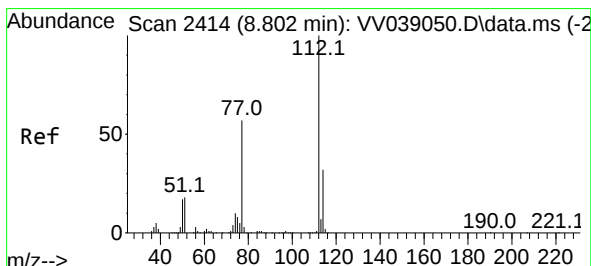
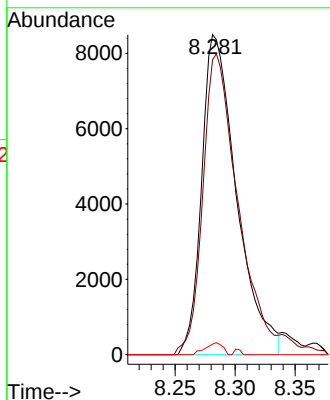
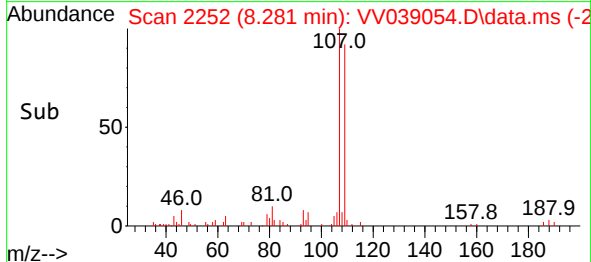
Instrument : MSVOA_V
ClientSampleId :
MDL-WATER-QT3-2025-06



Tgt Ion:107 Resp: 17179
Ion Ratio Lower Upper
107 100
109 92.2 66.1 122.8
188 3.3 2.6 4.0

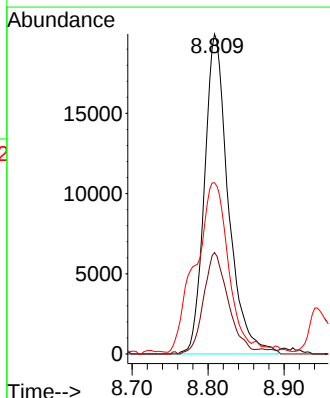
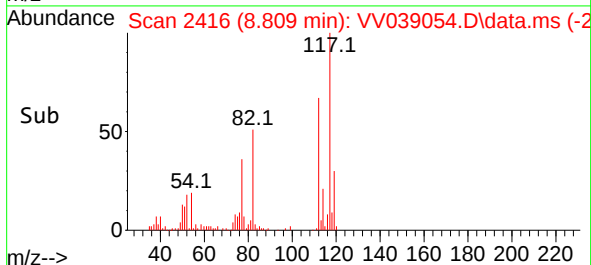
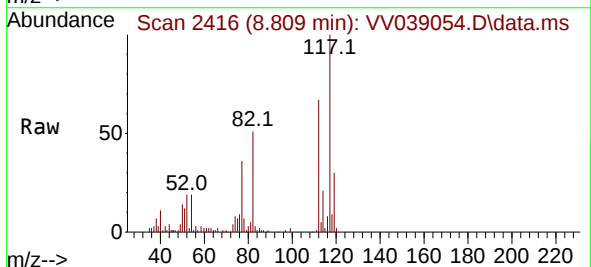
Manual Integrations
APPROVED

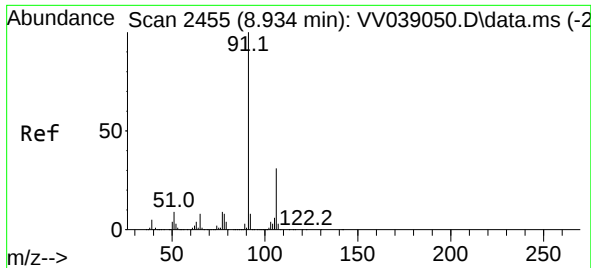
Reviewed By :Mahesh Dadoda 09/16/2025
Supervised By :Semsettin Yesilyurt 09/16/2025



#51
Chlorobenzene
Concen: 2.347 ug/L
RT: 8.809 min Scan# 2416
Delta R.T. 0.007 min
Lab File: VV039054.D
Acq: 12 Sep 2025 12:12

Tgt Ion:112 Resp: 43475
Ion Ratio Lower Upper
112 100
114 31.7 22.3 41.3
77 53.5 45.5 68.3





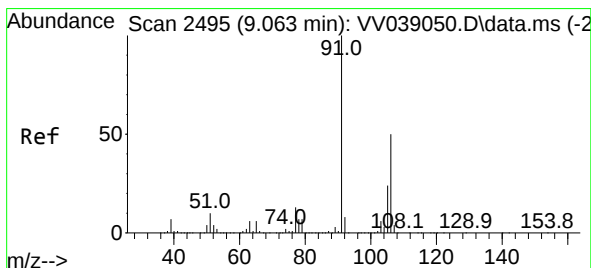
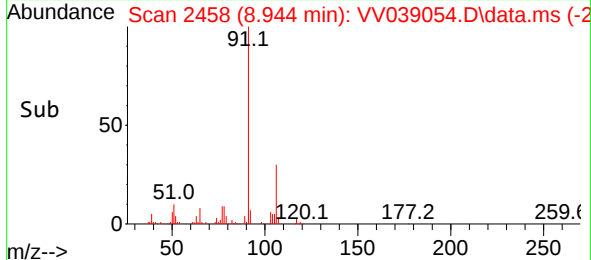
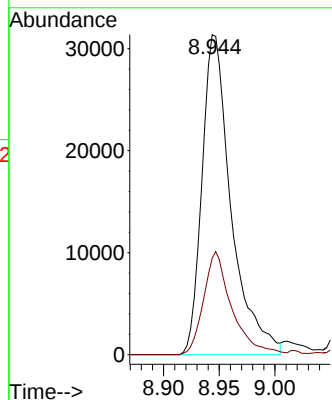
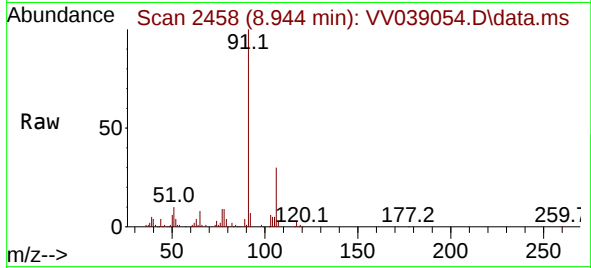
#52
Ethylbenzene
Concen: 1.905 ug/L
RT: 8.944 min Scan# 2455
Delta R.T. 0.010 min
Lab File: VV039054.D
Acq: 12 Sep 2025 12:12

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

Tgt Ion: 91 Resp: 57160
Ion Ratio Lower Upper
91 100
106 30.2 21.7 40.3

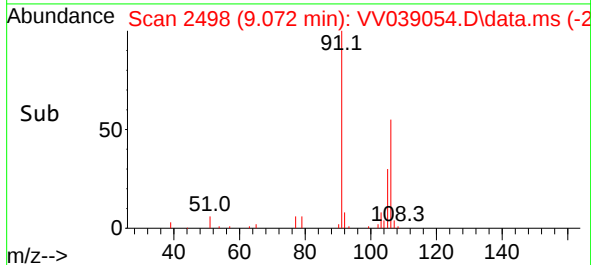
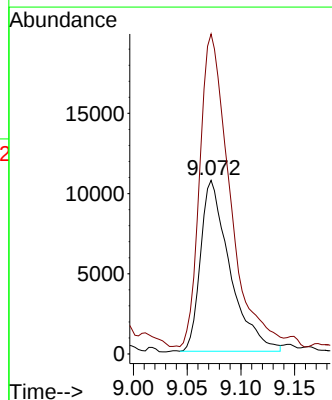
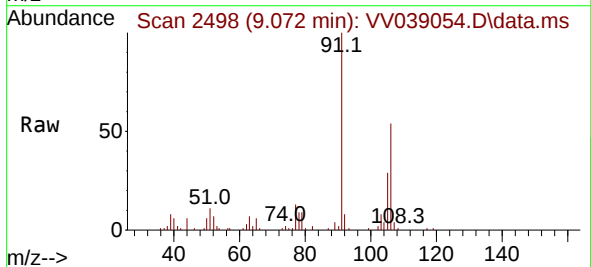
Manual Integrations
APPROVED

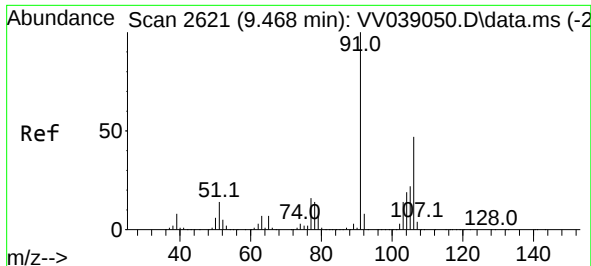
Reviewed By :Mahesh Dadoda 09/16/2025
Supervised By :Semsettin Yesilyurt 09/16/2025



#53
m,p-Xylene
Concen: 1.768 ug/L
RT: 9.072 min Scan# 2498
Delta R.T. 0.013 min
Lab File: VV039054.D
Acq: 12 Sep 2025 12:12

Tgt Ion:106 Resp: 20300
Ion Ratio Lower Upper
106 100
91 184.3 142.0 263.8





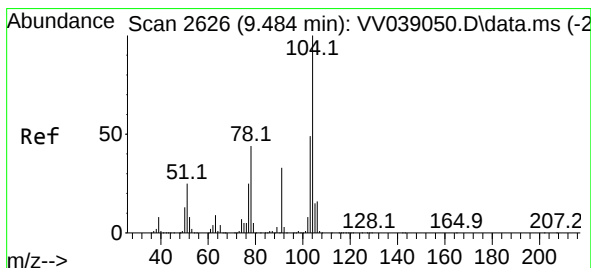
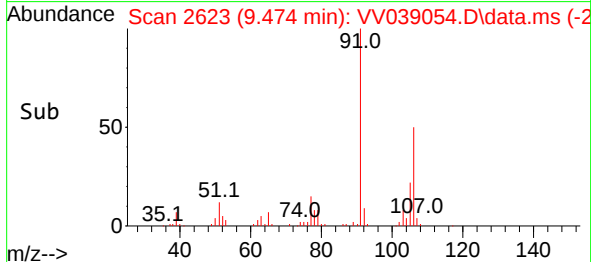
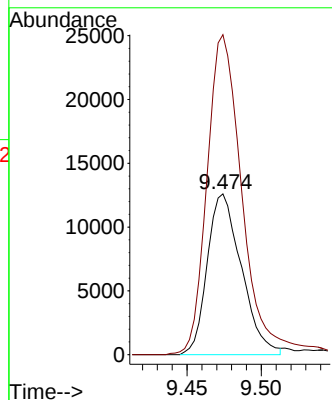
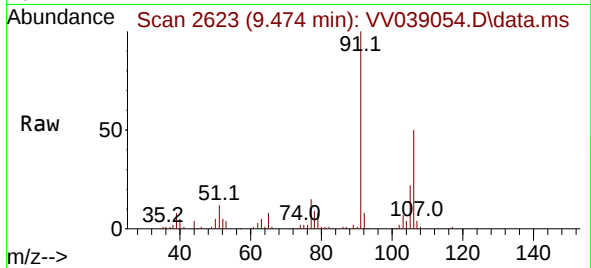
#54
o-Xylene
Concen: 1.896 ug/L
RT: 9.474 min Scan# 2621
Delta R.T. 0.010 min
Lab File: VV039054.D
Acq: 12 Sep 2025 12:12

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

Tgt Ion:106 Resp: 2015
Ion Ratio Lower Upper
106 100
91 198.9 149.1 276.9

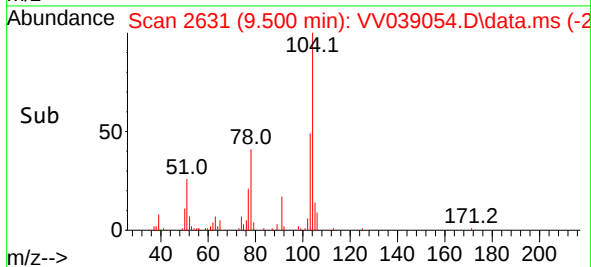
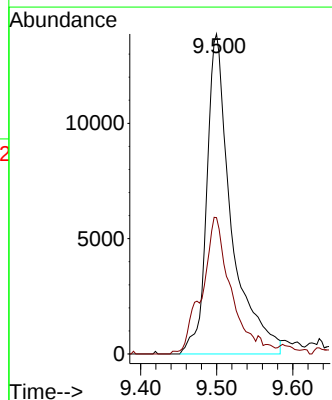
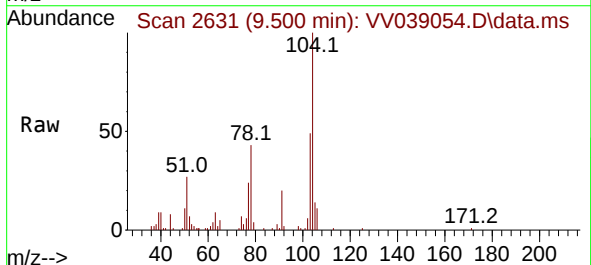
Manual Integrations
APPROVED

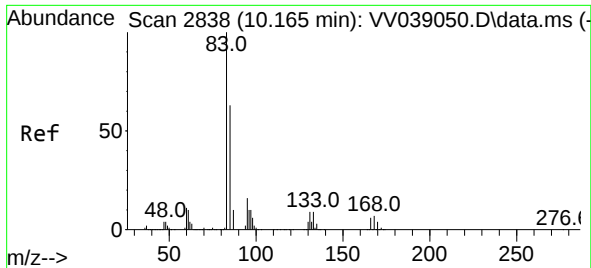
Reviewed By :Mahesh Dadoda 09/16/2025
Supervised By :Semsettin Yesilyurt 09/16/2025



#55
Styrene
Concen: 1.655 ug/L
RT: 9.500 min Scan# 2631
Delta R.T. 0.016 min
Lab File: VV039054.D
Acq: 12 Sep 2025 12:12

Tgt Ion:104 Resp: 31083
Ion Ratio Lower Upper
104 100
78 42.6 30.3 56.3





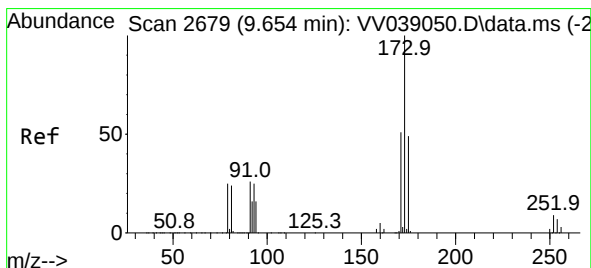
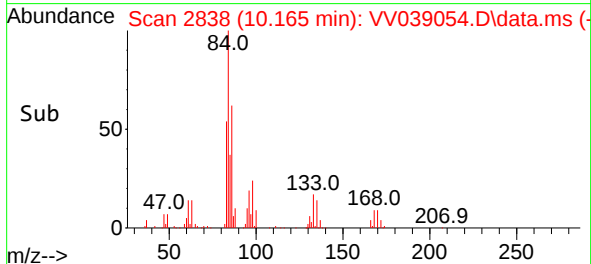
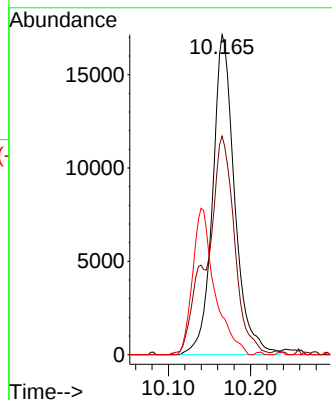
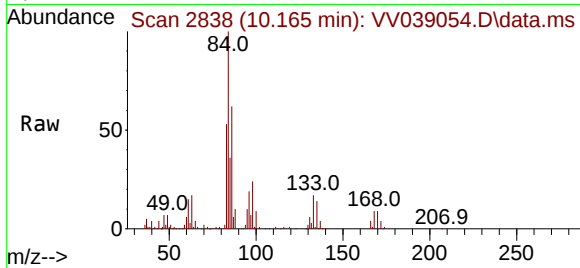
#57
1,1,2,2-Tetrachloroethane
Concen: 2.716 ug/L
RT: 10.165 min Scan# 2838
Delta R.T. 0.003 min
Lab File: VV039054.D
Acq: 12 Sep 2025 12:12

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

Tgt Ion: 83 Resp: 3211
Ion Ratio Lower Upper
83 100
85 68.3 44.8 83.2
131 12.0 7.6 11.4

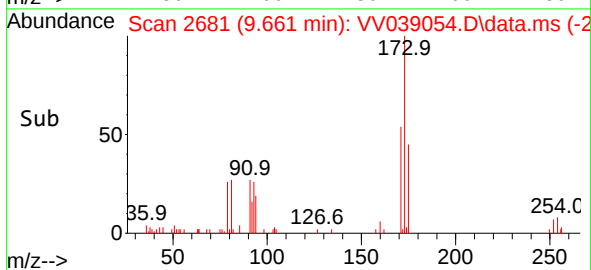
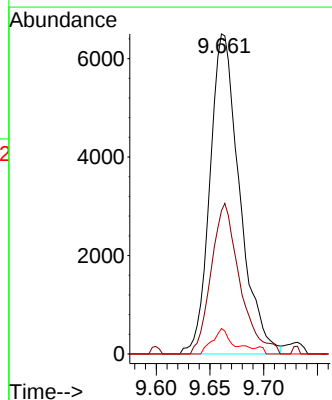
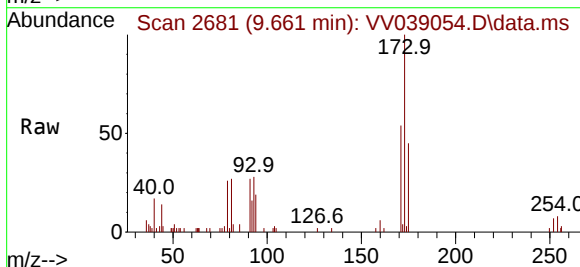
Manual Integrations
APPROVED

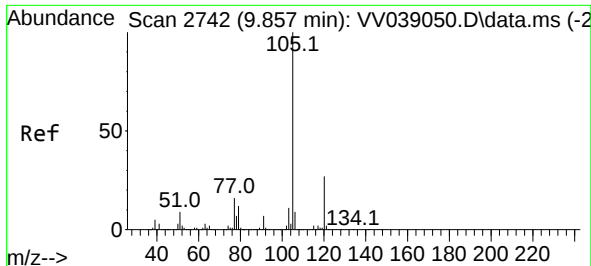
Reviewed By :Mahesh Dadoda 09/16/2025
Supervised By :Semsettin Yesilyurt 09/16/2025



#59
Bromoform
Concen: 2.612 ug/L
RT: 9.661 min Scan# 2681
Delta R.T. 0.010 min
Lab File: VV039054.D
Acq: 12 Sep 2025 12:12

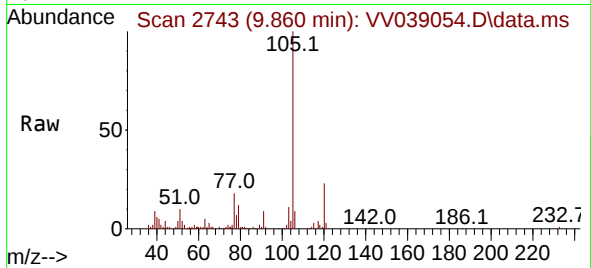
Tgt Ion:173 Resp: 12480
Ion Ratio Lower Upper
173 100
175 45.2 38.9 58.3
254 4.5 5.9 8.9





#60
Isopropylbenzene
Concen: 1.945 ug/L
RT: 9.860 min Scan# 21
Delta R.T. 0.003 min
Lab File: VV039054.D
Acq: 12 Sep 2025 12:12

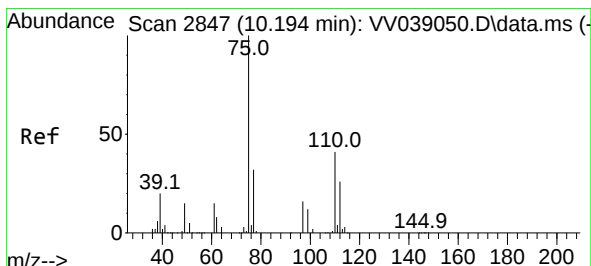
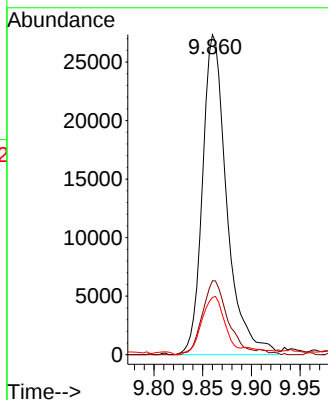
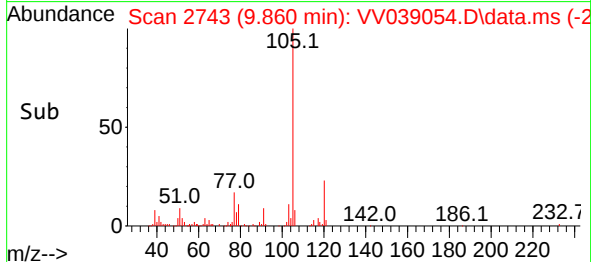
Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT3-2025-06



Tgt Ion: 105 Resp: 4745
Ion Ratio Lower Upper
105 100
120 24.1 21.0 31.4
77 17.5 12.2 18.4

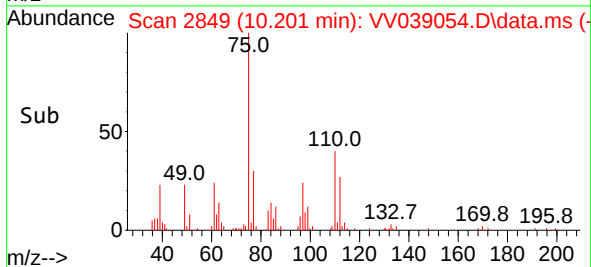
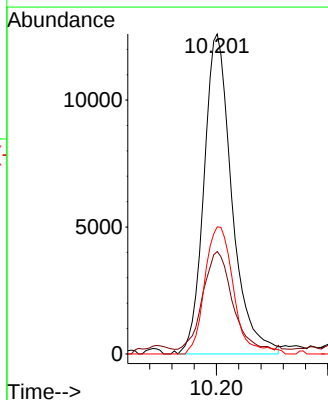
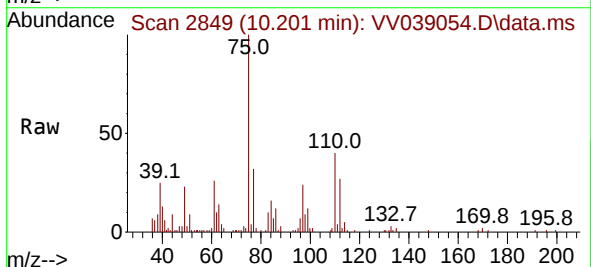
Manual Integrations
APPROVED

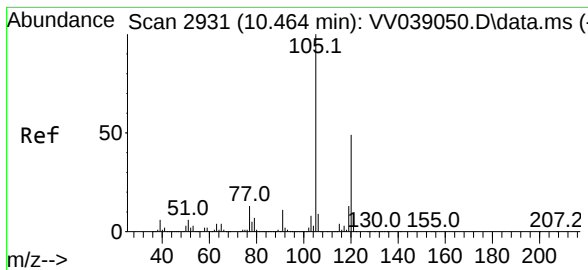
Reviewed By : Mahesh Dadoda 09/16/2025
Supervised By : Semsettin Yesilyurt 09/16/2025



#61
1,2,3-Trichloropropane
Concen: 2.948 ug/L
RT: 10.201 min Scan# 2849
Delta R.T. 0.007 min
Lab File: VV039054.D
Acq: 12 Sep 2025 12:12

Tgt Ion: 75 Resp: 21965
Ion Ratio Lower Upper
75 100
77 31.4 25.8 38.6
110 40.0 32.4 48.6





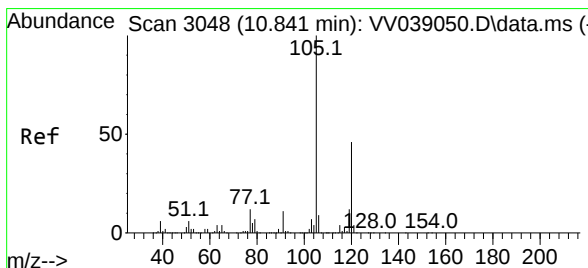
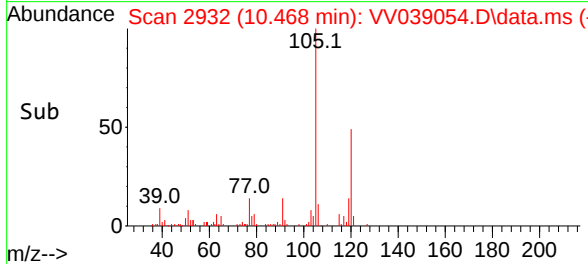
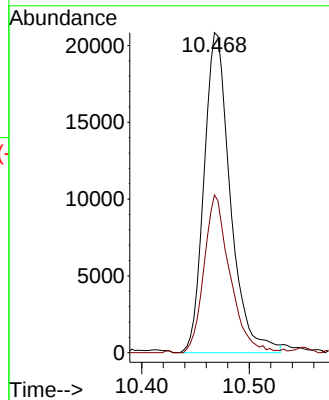
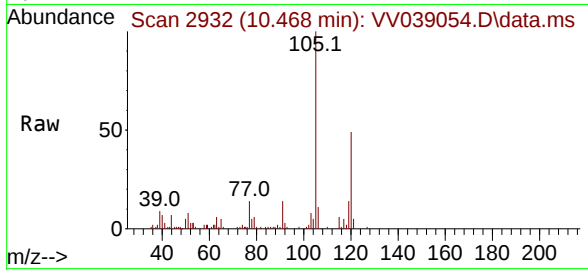
#62
 1,3,5-Trimethylbenzene
 Concen: 1.854 ug/L
 RT: 10.468 min Scan# 2931
 Delta R.T. 0.003 min
 Lab File: VV039054.D
 Acq: 12 Sep 2025 12:12

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

Tgt Ion:105 Resp: 3537
 Ion Ratio Lower Upper
 105 100
 120 47.8 39.2 58.8

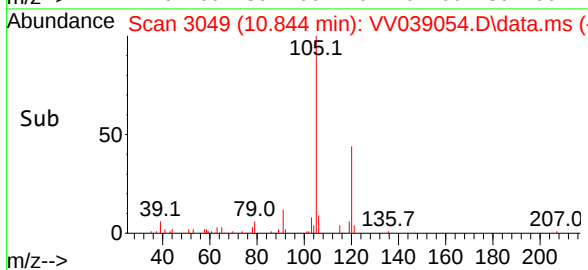
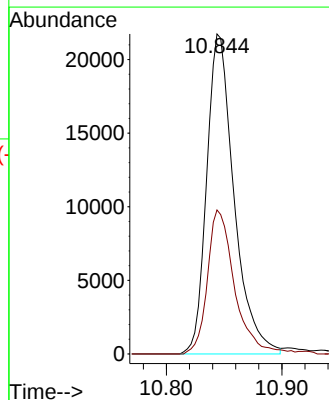
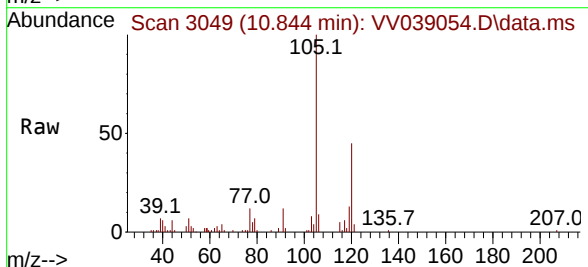
Manual Integrations
 APPROVED

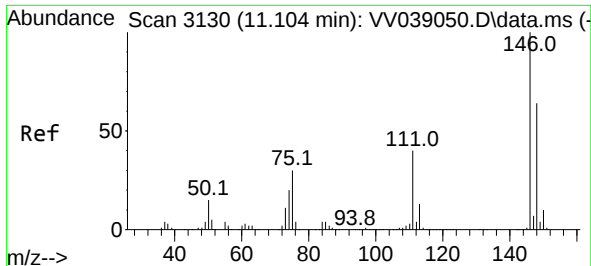
Reviewed By :Mahesh Dadoda 09/16/2025
 Supervised By :Semsettin Yesilyurt 09/16/2025



#63
 1,2,4-Trimethylbenzene
 Concen: 1.892 ug/L
 RT: 10.844 min Scan# 3049
 Delta R.T. 0.007 min
 Lab File: VV039054.D
 Acq: 12 Sep 2025 12:12

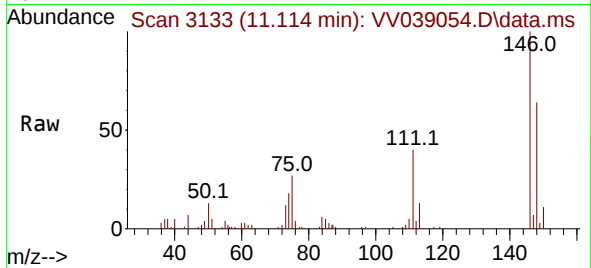
Tgt Ion:105 Resp: 35781
 Ion Ratio Lower Upper
 105 100
 120 44.4 36.1 54.1





#64
1,3-Dichlorobenzene
Concen: 2.247 ug/L
RT: 11.114 min Scan# 3133
Delta R.T. 0.010 min
Lab File: VV039054.D
Acq: 12 Sep 2025 12:12

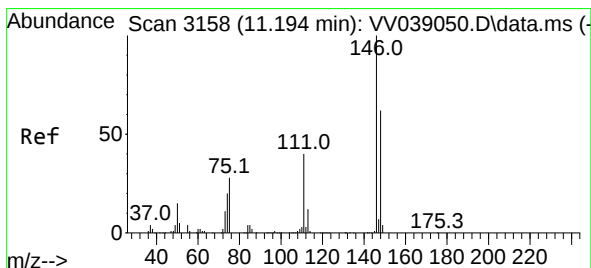
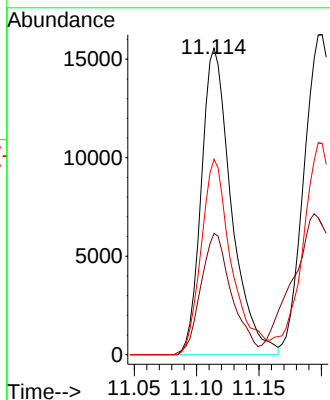
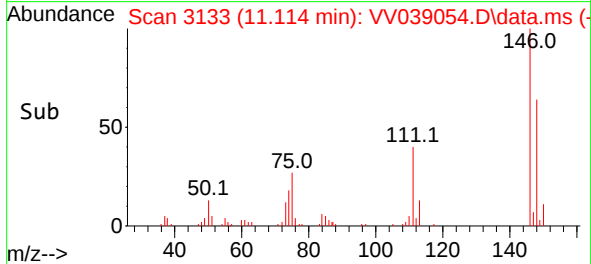
Instrument : MSVOA_V
ClientSampleId :
MDL-WATER-QT3-2025-06



Tgt Ion:146 Resp: 2610
Ion Ratio Lower Upper
146 100
111 39.6 28.3 52.5
148 63.7 44.9 83.5

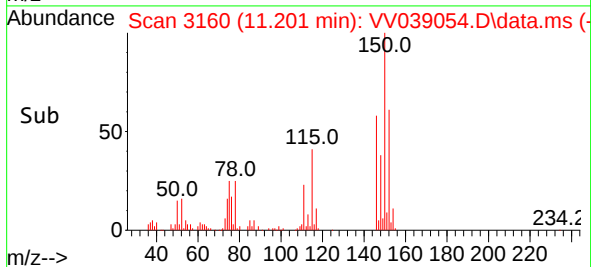
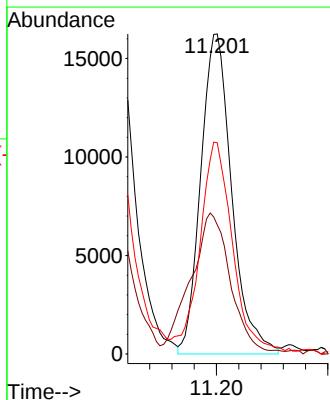
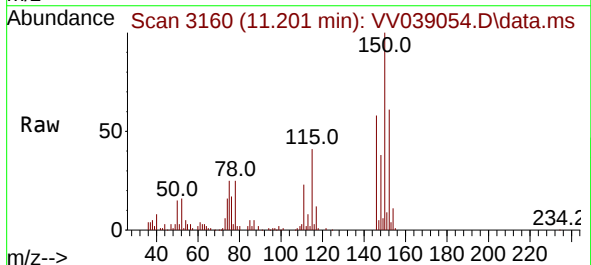
Manual Integrations
APPROVED

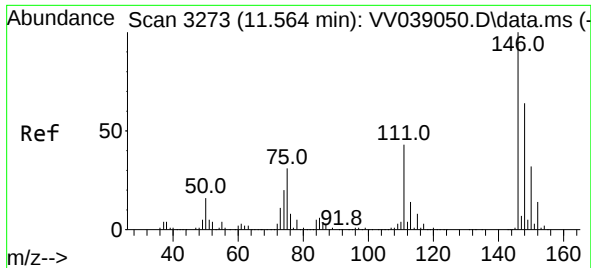
Reviewed By :Mahesh Dadoda 09/16/2025
Supervised By :Semsettin Yesilyurt 09/16/2025



#65
1,4-Dichlorobenzene
Concen: 2.525 ug/L
RT: 11.201 min Scan# 3160
Delta R.T. 0.007 min
Lab File: VV039054.D
Acq: 12 Sep 2025 12:12

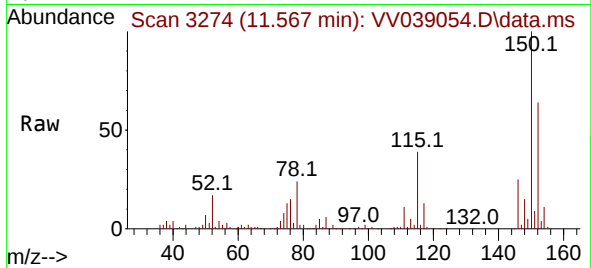
Tgt Ion:146 Resp: 31400
Ion Ratio Lower Upper
146 100
111 40.4 27.0 50.2
148 66.0 44.0 81.6





#67
1,2-Dichlorobenzene
Concen: 2.785 ug/L
RT: 11.567 min Scan# 31
Delta R.T. 0.003 min
Lab File: VV039054.D
Acq: 12 Sep 2025 12:12

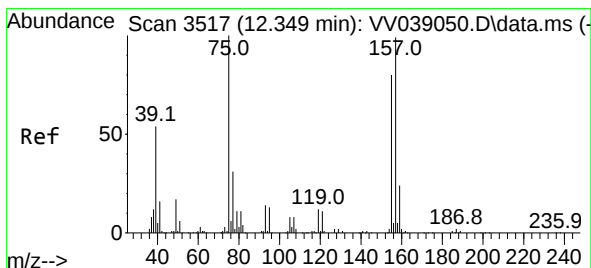
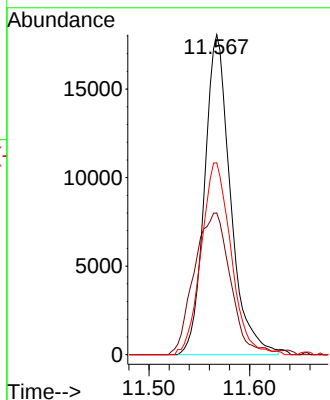
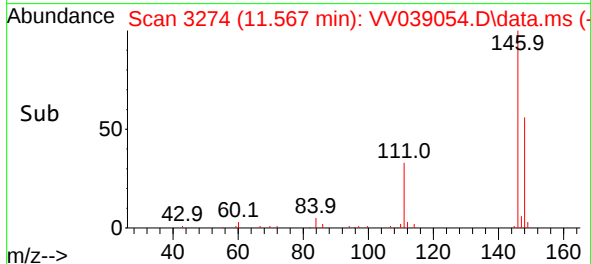
Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT3-2025-06



Tgt Ion:146 Resp: 3235
Ion Ratio Lower Upper
146 100
111 44.3 33.4 50.2
148 59.9 50.4 75.6

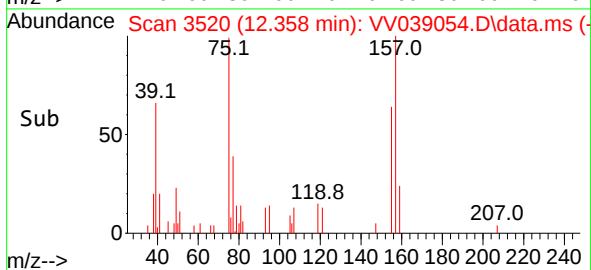
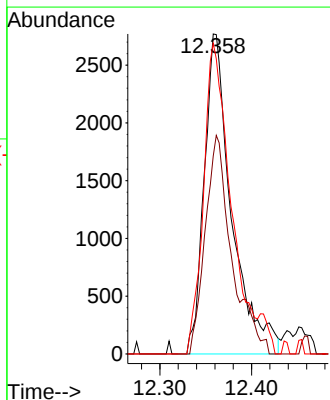
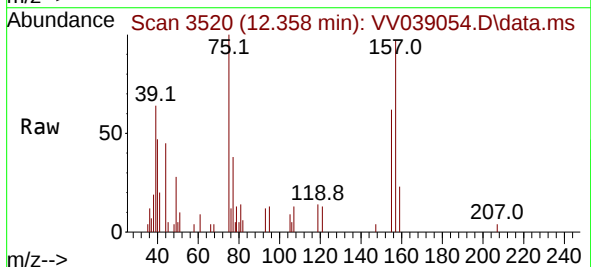
Manual Integrations
APPROVED

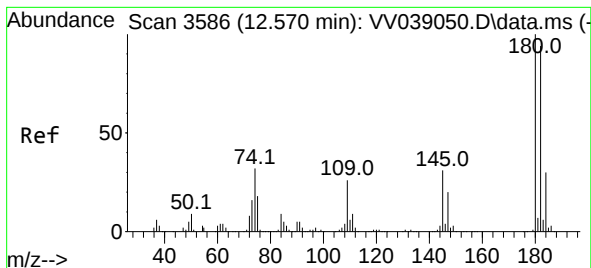
Reviewed By :Mahesh Dadoda 09/16/2025
Supervised By :Semsettin Yesilyurt 09/16/2025



#68
1,2-Dibromo-3-chloropropane
Concen: 2.754 ug/L
RT: 12.358 min Scan# 3520
Delta R.T. 0.007 min
Lab File: VV039054.D
Acq: 12 Sep 2025 12:12

Tgt Ion: 75 Resp: 5761
Ion Ratio Lower Upper
75 100
155 61.9 63.7 95.5#
157 97.0 82.2 123.2





#69

1,3,5-Trichlorobenzene

Concen: 2.403 ug/L

RT: 12.577 min Scan# 3586

Delta R.T. 0.010 min

Lab File: VV039054.D

Acq: 12 Sep 2025 12:12

Instrument :

MSVOA_V

ClientSampleId :

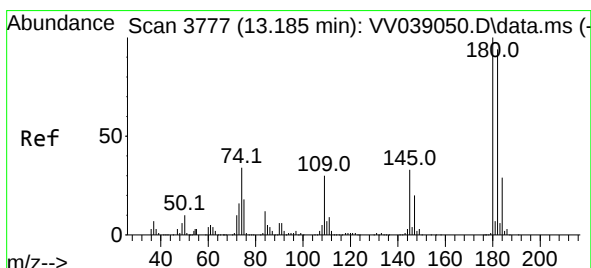
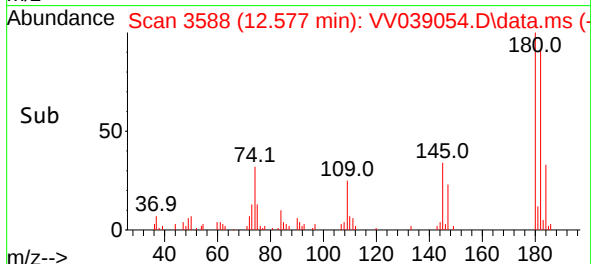
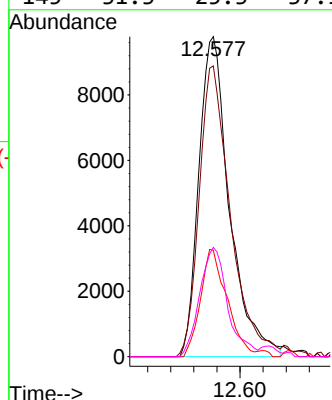
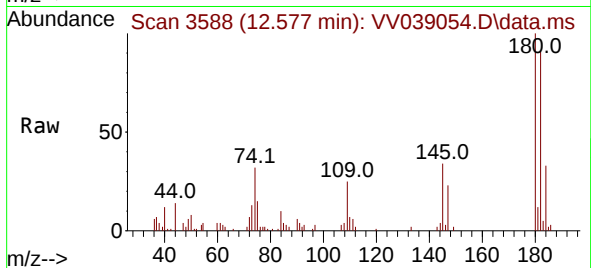
MDL-WATER-QT3-2025-06

Tgt Ion:180	Resp:	18024
Ion Ratio	Lower	Upper
180	100	
182	92.3	75.0 112.4
184	29.1	23.8 35.8
145	31.3	25.3 37.9

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 09/16/2025
Supervised By :Semsettin Yesilyurt 09/16/2025



#70

1,2,4-trichlorobenzene

Concen: 2.125 ug/L

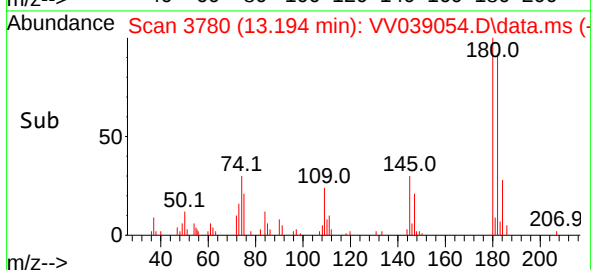
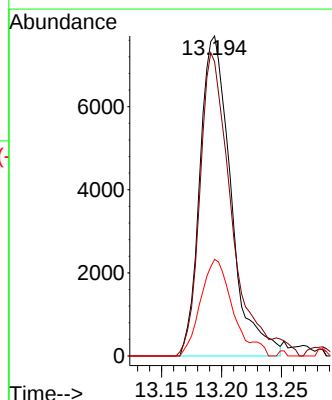
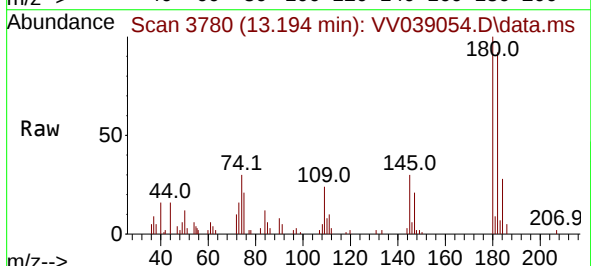
RT: 13.194 min Scan# 3780

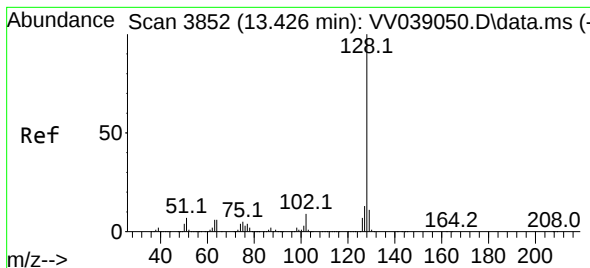
Delta R.T. 0.010 min

Lab File: VV039054.D

Acq: 12 Sep 2025 12:12

Tgt Ion:180	Resp:	13856
Ion Ratio	Lower	Upper
180	100	
182	93.3	76.0 114.0
145	29.8	25.8 38.6





#71

Naphthalene

Concen: 1.723 ug/L

RT: 13.435 min Scan# 3855

Delta R.T. 0.010 min

Lab File: VV039054.D

Acq: 12 Sep 2025 12:12

Instrument :

MSVOA_V

ClientSampleId :

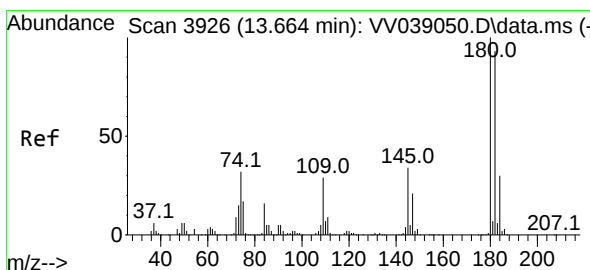
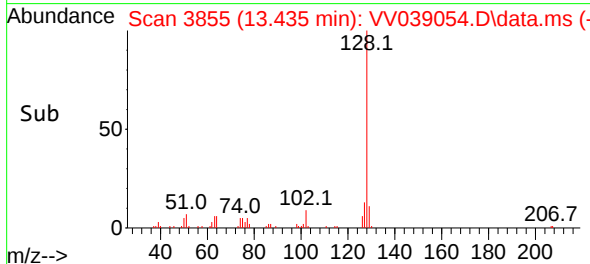
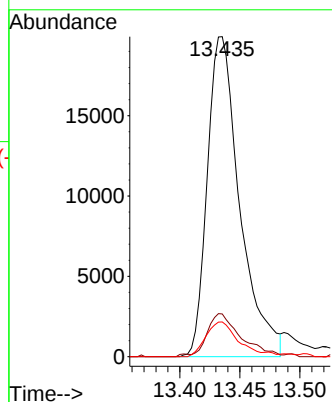
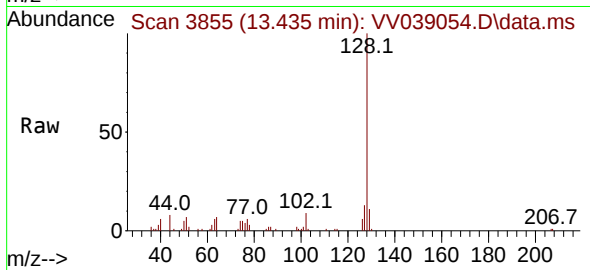
MDL-WATER-QT3-2025-06

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.3	15.5
129	10.5	8.6	12.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 09/16/2025
Supervised By :Semsettin Yesilyurt 09/16/2025



#72

1,2,3-Trichlorobenzene

Concen: 2.099 ug/L

RT: 13.670 min Scan# 3928

Delta R.T. 0.003 min

Lab File: VV039054.D

Acq: 12 Sep 2025 12:12

Tgt Ion	Ratio	Lower	Upper
180	100		
182	92.8	75.9	113.9
145	31.1	27.1	40.7

