

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV061025\
 Data File : VV038778.D
 Acq On : 10 Jun 2025 13:26
 Operator : SY/MD
 Sample : Q2117-01
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 5 Sample Multiplier: 1

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

Quant Time: Jun 10 14:46:36 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM060925WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Jun 10 14:44:52 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 06/16/2025
 Supervised By : Mahesh Dadoda 06/16/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	5.532	114	548063	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.776	117	571653	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.175	152	258207	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.288	65	207486	45.523	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	91.040%		
7) Chloroethane-d5	1.542	69	196561	47.113	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	94.220%		
11) 1,1-Dichloroethene-d2	2.069	65	104046	46.380	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	92.760%		
21) 2-Butanone-d5	3.783	46	338828	95.321	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	95.320%		
24) Chloroform-d	4.253	84	456405m	47.003	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	94.000%		
26) 1,2-Dichloroethane-d4	4.941	65	282147	49.772	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	99.540%		
32) Benzene-d6	4.960	84	869186	48.190	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	96.380%		
36) 1,2-Dichloropropane-d6	5.986	67	299867	50.058	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	100.120%		
41) Toluene-d8	7.236	98	746008	46.840	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	93.680%		
43) trans-1,3-Dichloroprop...	7.548	79	120600	46.164	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	92.320%		
47) 2-Hexanone-d5	8.014	63	240151	96.628	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	96.630%		
56) 1,1,2,2-Tetrachloroeth...	10.140	84	408006	45.903	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	91.800%		
66) 1,2-Dichlorobenzene-d4	11.548	152	258402	51.565	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	103.140%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.118	85	14718	2.286	ug/L	99
3) Chloromethane	1.227	50	14410	2.214	ug/L	90
5) Vinyl chloride	1.294	62	16372	2.434	ug/L	85
6) Bromomethane	1.497	94	8737	2.615	ug/L	99
8) Chloroethane	1.558	64	10010	2.478	ug/L	94
9) Trichlorofluoromethane	1.725	101	19998	2.253	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.076	101	14756	2.809	ug/L	88
12) 1,1-Dichloroethene	2.079	96	14228m	3.004	ug/L	
13) Acetone	2.121	43	13952	5.821	ug/L	100
14) Carbon disulfide	2.253	76	33820	2.336	ug/L	95
15) Methyl Acetate	2.394	43	13896m	2.183	ug/L	
17) trans-1,2-Dichloroethene	2.712	96	10524	2.210	ug/L	95
18) Methyl tert-butyl Ether	2.706	73	28023	1.954	ug/L	96
19) 1,1-Dichloroethane	3.127	63	21753	2.198	ug/L	97
20) cis-1,2-Dichloroethene	3.825	96	11110	2.172	ug/L	91
22) 2-Butanone	3.918	43	23669m	6.291	ug/L	
23) Bromochloromethane	4.175	128	7374m	2.701	ug/L	
27) 1,2-Dichloroethane	5.053	62	18264m	2.481	ug/L	
29) Cyclohexane	4.590	56	15041	1.840	ug/L	89

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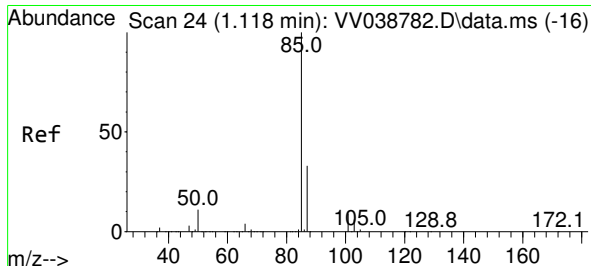
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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM060925WMA.M
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
30) 1,1,1-Trichloroethane	4.513	97	19243m	2.288	ug/L	
31) Carbon tetrachloride	4.741	117	15946	2.185	ug/L	97
33) Benzene	5.018	78	47982	2.386	ug/L	100
34) Trichloroethene	5.847	95	12412	2.329	ug/L	93
35) Methylcyclohexane	6.047	83	21063m	2.520	ug/L	
37) 1,2-Dichloropropane	6.105	63	10342	1.785	ug/L #	88
38) Bromodichloromethane	6.442	83	15357	2.043	ug/L	90
39) cis-1,3-Dichloropropene	6.966	75	19136m	2.299	ug/L	
40) 4-Methyl-2-pentanone	7.159	43	25988m	3.281	ug/L	
42) Toluene	7.320	91	44717	2.154	ug/L	94
44) trans-1,3-Dichloropropene	7.590	75	17763m	2.211	ug/L	
45) 1,1,2-Trichloroethane	7.777	97	11842	2.085	ug/L	95
46) Tetrachloroethene	7.902	164	8760	2.235	ug/L	95
48) 2-Hexanone	8.079	43	28576	4.873	ug/L #	75
49) Dibromochloromethane	8.175	129	12946	2.244	ug/L	98
50) 1,2-Dibromoethane	8.285	107	13271	2.274	ug/L	91
51) Chlorobenzene	8.809	112	30804	2.199	ug/L	92
52) Ethylbenzene	8.947	91	41272	1.846	ug/L	99
53) m,p-Xylene	9.072	106	14201	1.730	ug/L	94
54) o-Xylene	9.474	106	13726	1.728	ug/L	98
55) Styrene	9.500	104	21714	1.570	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.169	83	22661	2.418	ug/L	93
59) Bromoform	9.664	173	7877	2.186	ug/L #	87
60) Isopropylbenzene	9.860	105	34488	1.875	ug/L	96
61) 1,2,3-Trichloropropane	10.201	75	15148	2.400	ug/L	96
62) 1,3,5-Trimethylbenzene	10.468	105	26416	1.846	ug/L	98
63) 1,2,4-Trimethylbenzene	10.847	105	23890	1.690	ug/L	98
64) 1,3-Dichlorobenzene	11.114	146	19304	2.197	ug/L	99
65) 1,4-Dichlorobenzene	11.201	146	21925	2.318	ug/L	97
67) 1,2-Dichlorobenzene	11.567	146	23579	2.656	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.365	75	4597	2.549	ug/L	94
69) 1,3,5-Trichlorobenzene	12.574	180	13286	2.287	ug/L	99
70) 1,2,4-trichlorobenzene	13.194	180	10511	2.116	ug/L	99
71) Naphthalene	13.435	128	29587	1.677	ug/L	97
72) 1,2,3-Trichlorobenzene	13.673	180	10157	1.960	ug/L	97

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



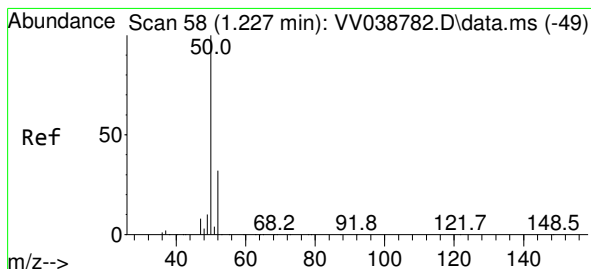
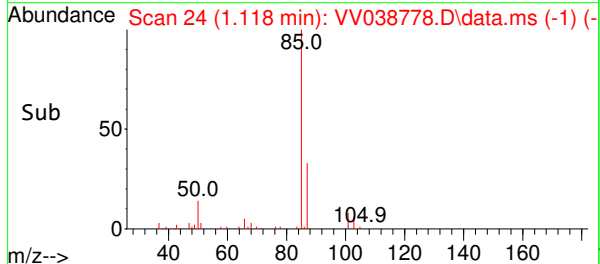
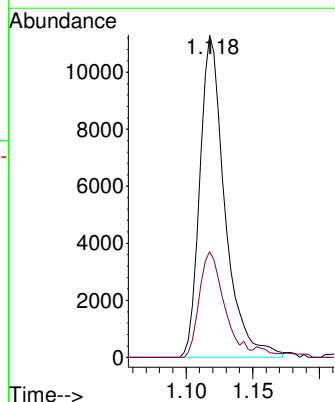
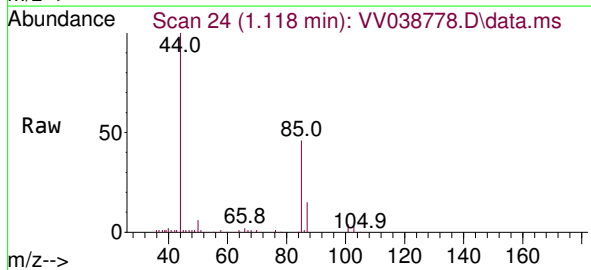
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Dichlorodifluoromethane
Concen: 2.286 ug/L
RT: 1.118 min Scan# 2
Delta R.T. 0.000 min
Lab File: VV038778.D
Acq: 10 Jun 2025 13:26

Instrument : MSVOA_V
ClientSampleId : VV038778.D
MDL-WATER-QT2-2025-03

Tgt Ion: 85 Resp: 1471
Ion Ratio Lower Upper
85 100
87 32.8 25.8 38.6

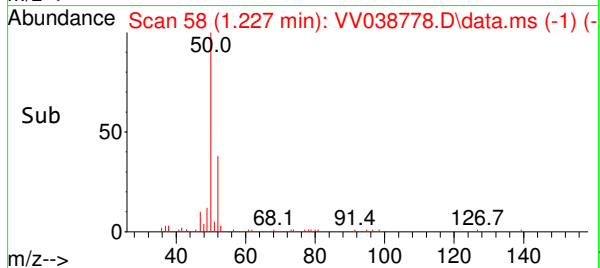
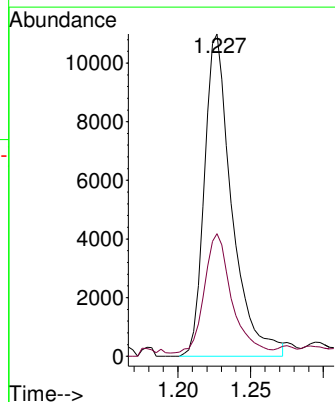
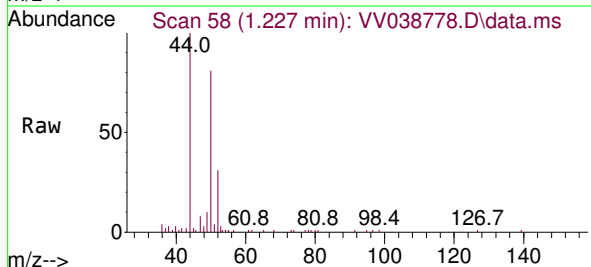
Manual Integrations
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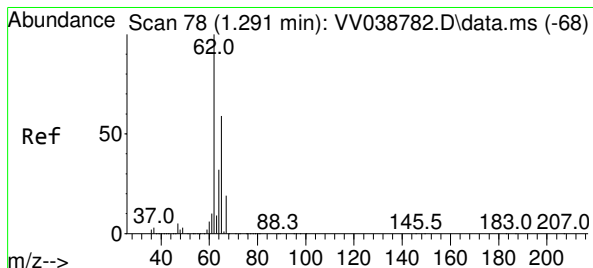
Reviewed By :John Carlone 06/16/2025
Supervised By :Mahesh Dadoda 06/16/2025



#3
Chloromethane
Concen: 2.214 ug/L
RT: 1.227 min Scan# 58
Delta R.T. 0.000 min
Lab File: VV038778.D
Acq: 10 Jun 2025 13:26

Tgt Ion: 50 Resp: 14410
Ion Ratio Lower Upper
50 100
52 38.1 22.7 42.3





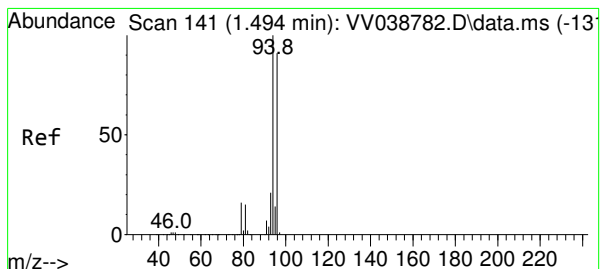
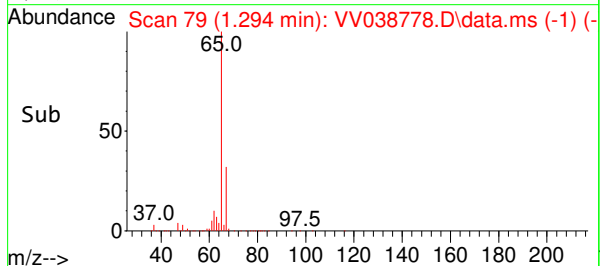
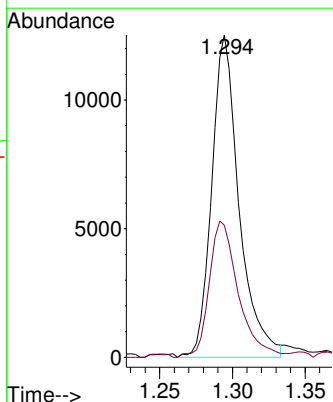
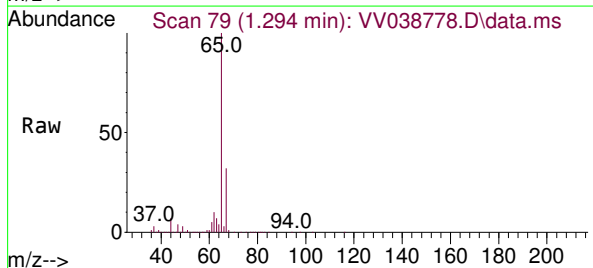
#5
 Vinyl chloride
 Concen: 2.434 ug/L
 RT: 1.294 min Scan# 7
 Delta R.T. 0.000 min
 Lab File: VV038778.D
 Acq: 10 Jun 2025 13:26

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

Tgt Ion: 62 Resp: 1637
 Ion Ratio Lower Upper
 62 100
 64 41.1 22.8 42.4

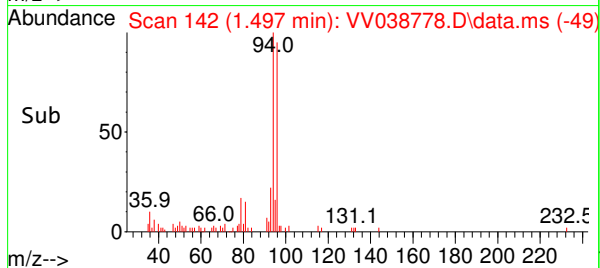
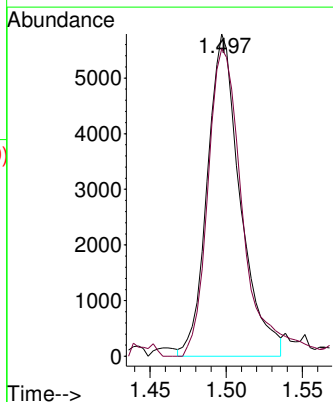
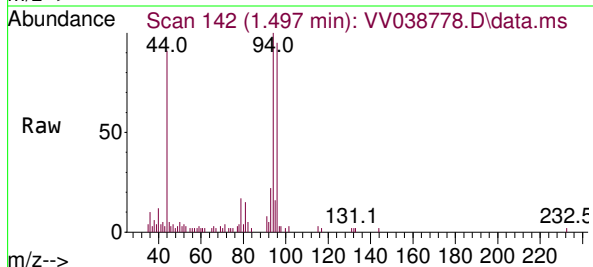
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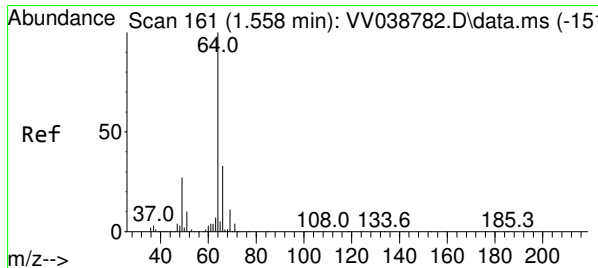
Reviewed By :John Carlone 06/16/2025
 Supervised By :Mahesh Dadoda 06/16/2025



#6
 Bromomethane
 Concen: 2.615 ug/L
 RT: 1.497 min Scan# 142
 Delta R.T. 0.000 min
 Lab File: VV038778.D
 Acq: 10 Jun 2025 13:26

Tgt Ion: 94 Resp: 8737
 Ion Ratio Lower Upper
 94 100
 96 95.3 66.1 122.8





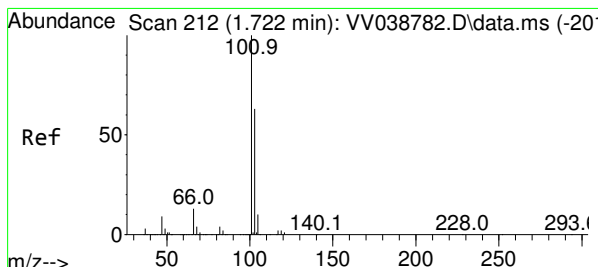
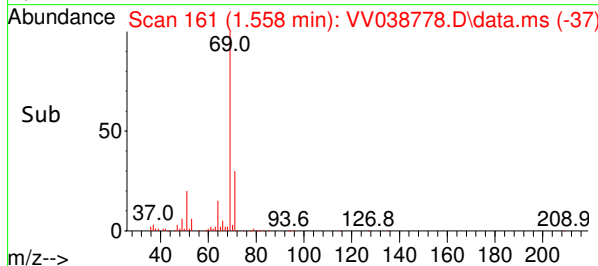
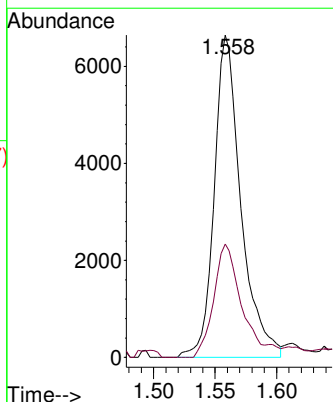
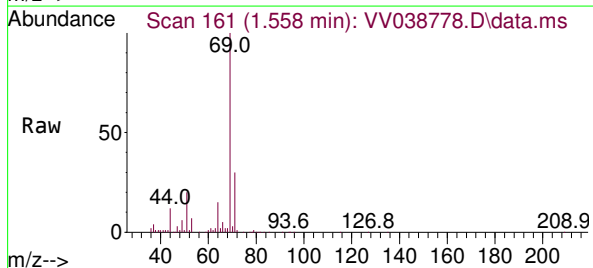
#8
Chloroethane
Concen: 2.478 ug/L
RT: 1.558 min Scan# 1
Delta R.T. 0.000 min
Lab File: VV038778.D
Acq: 10 Jun 2025 13:26

Instrument : MSVOA_V
ClientSampleId : VV038778.D
MDL-WATER-QT2-2025-03

Tgt Ion: 64 Resp: 1001
Ion Ratio Lower Upper
64 100
66 35.1 22.3 41.5

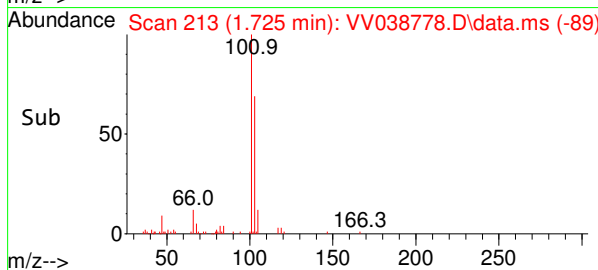
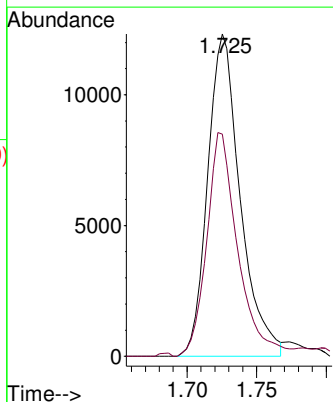
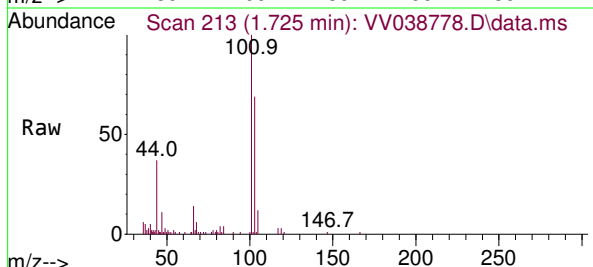
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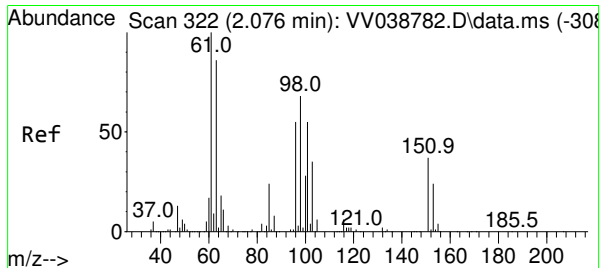
Reviewed By :John Carlone 06/16/2025
Supervised By :Mahesh Dadoda 06/16/2025



#9
Trichlorofluoromethane
Concen: 2.253 ug/L
RT: 1.725 min Scan# 213
Delta R.T. 0.000 min
Lab File: VV038778.D
Acq: 10 Jun 2025 13:26

Tgt Ion:101 Resp: 19998
Ion Ratio Lower Upper
101 100
103 66.3 51.7 77.5





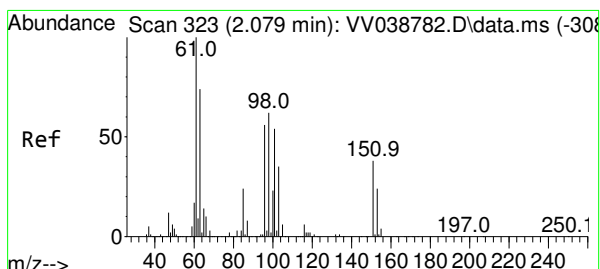
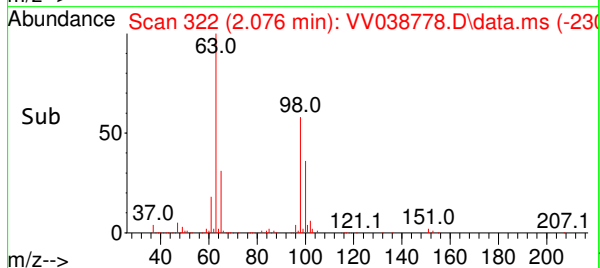
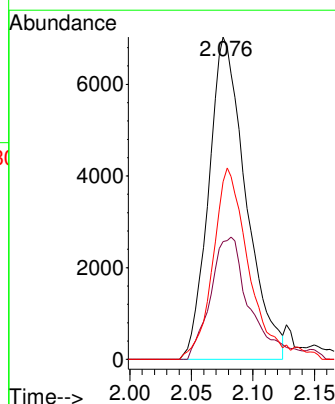
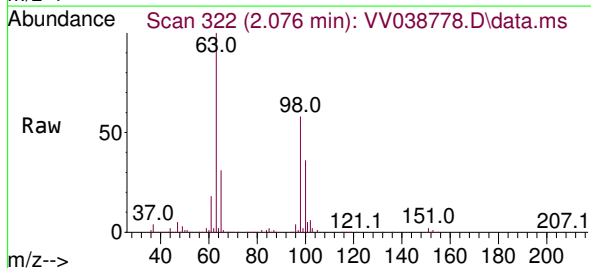
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1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 2.809 ug/L
RT: 2.076 min Scan# 322
Delta R.T. -0.003 min
Lab File: VV038778.D
Acq: 10 Jun 2025 13:26

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

Tgt Ion: 101 Resp: 1475
Ion Ratio Lower Upper
101 100
85 40.2 34.7 52.1
151 56.2 55.3 82.9

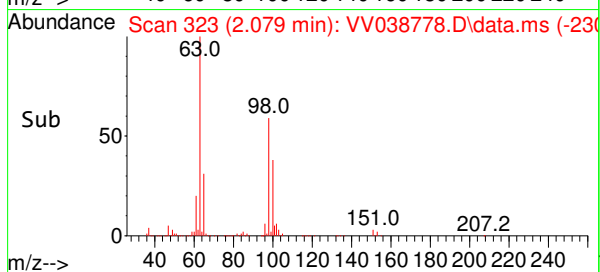
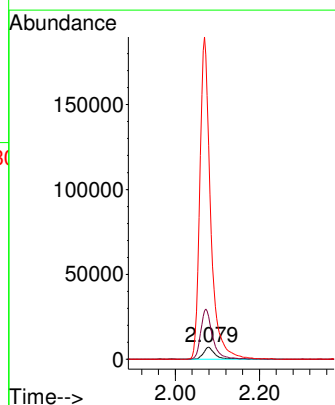
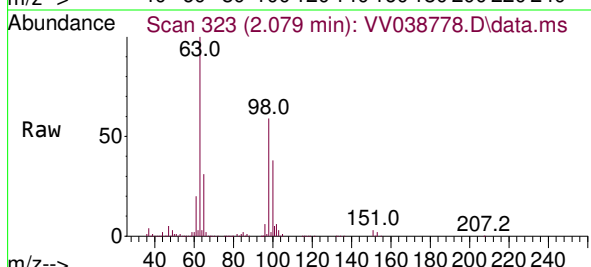
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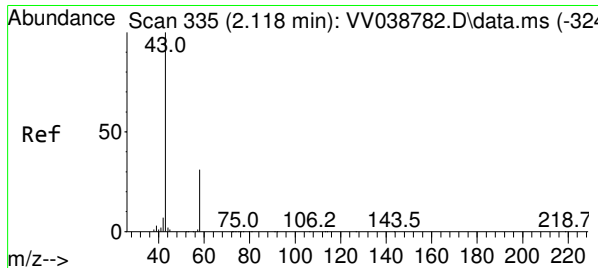
Reviewed By : John Carlone 06/16/2025
Supervised By : Mahesh Dadoda 06/16/2025



#12
1,1-Dichloroethene
Concen: 3.004 ug/L m
RT: 2.079 min Scan# 323
Delta R.T. 0.000 min
Lab File: VV038778.D
Acq: 10 Jun 2025 13:26

Tgt Ion: 96 Resp: 14228
Ion Ratio Lower Upper
96 100
61 349.6 120.9 224.5#
63 1747.5 110.9 205.9#





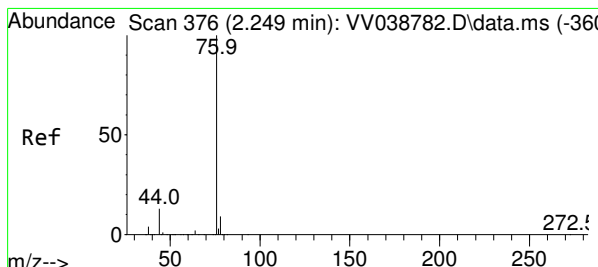
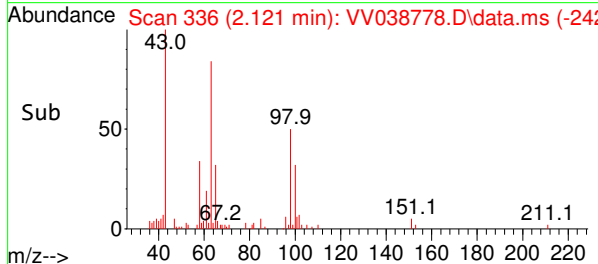
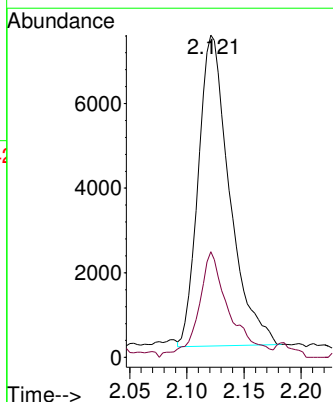
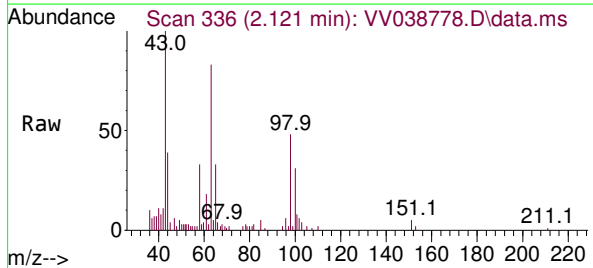
#13
Acetone
Concen: 5.821 ug/L
RT: 2.121 min Scan# 335
Delta R.T. 0.003 min
Lab File: VV038778.D
Acq: 10 Jun 2025 13:26

Instrument : MSVOA_V
ClientSampleId : VV038778.D
MDL-WATER-QT2-2025-03

Tgt Ion: 43 Resp: 1395
Ion Ratio Lower Upper
43 100
58 33.4 0.0 67.2

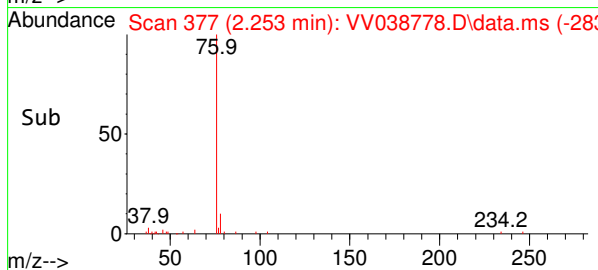
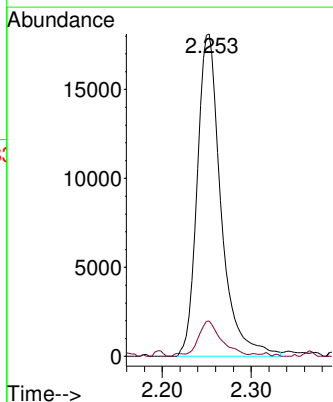
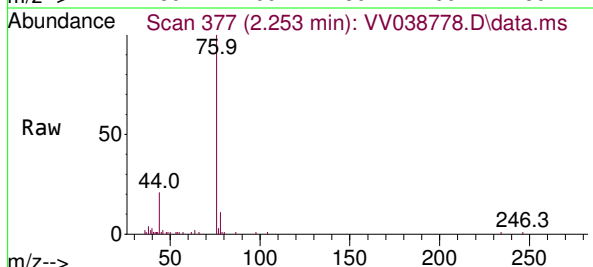
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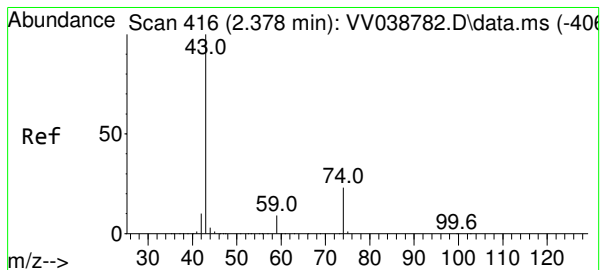
Reviewed By :John Carlone 06/16/2025
Supervised By :Mahesh Dadoda 06/16/2025



#14
Carbon disulfide
Concen: 2.336 ug/L
RT: 2.253 min Scan# 377
Delta R.T. 0.003 min
Lab File: VV038778.D
Acq: 10 Jun 2025 13:26

Tgt Ion: 76 Resp: 33820
Ion Ratio Lower Upper
76 100
78 11.0 7.4 11.0





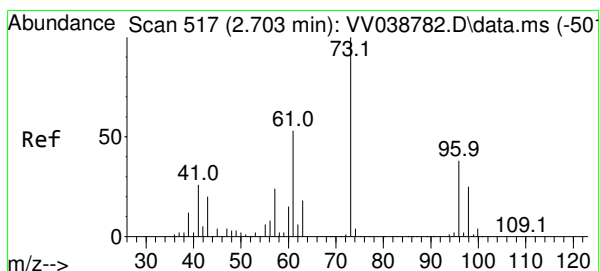
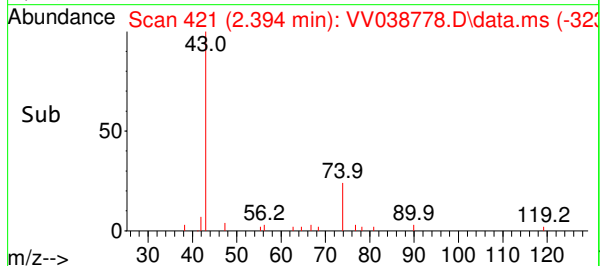
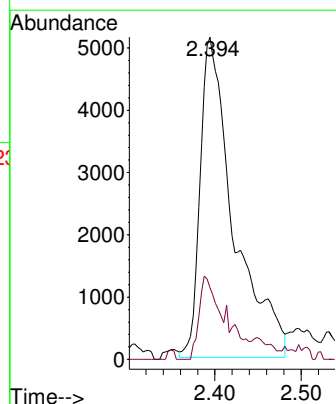
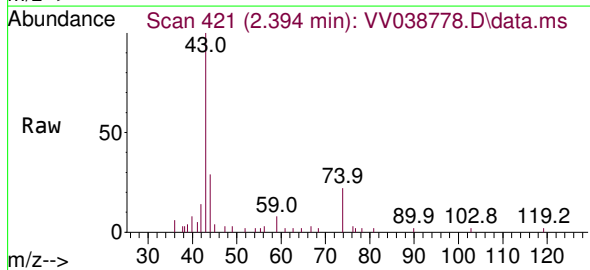
#15
Methyl Acetate
Concen: 2.183 ug/L m
RT: 2.394 min Scan# 416
Delta R.T. 0.016 min
Lab File: VV038778.D
Acq: 10 Jun 2025 13:26

Instrument : MSVOA_V
ClientSampleId : VV038778.D
MDL-WATER-QT2-2025-03

Tgt Ion: 43 Resp: 1389
Ion Ratio Lower Upper
43 100
74 14.1 20.6 31.6

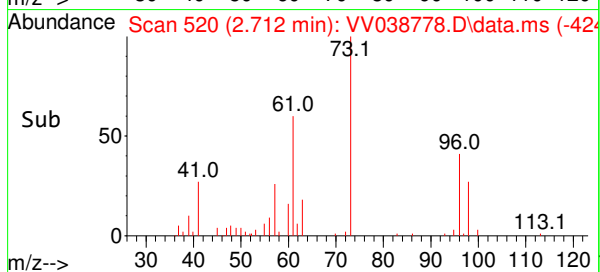
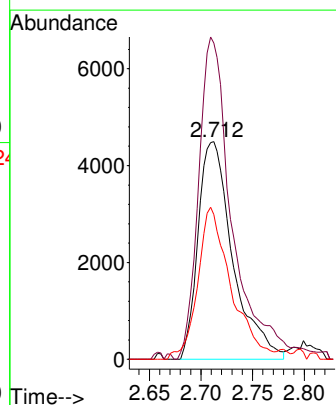
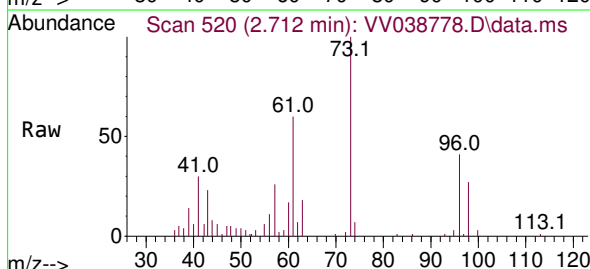
Manual Integrations
APPROVED

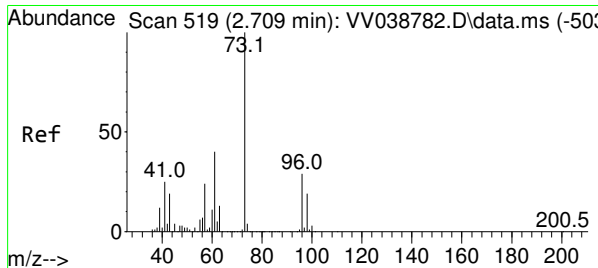
Reviewed By :John Carlone 06/16/2025
Supervised By :Mahesh Dadoda 06/16/2025



#17
trans-1,2-Dichloroethene
Concen: 2.210 ug/L
RT: 2.712 min Scan# 520
Delta R.T. 0.010 min
Lab File: VV038778.D
Acq: 10 Jun 2025 13:26

Tgt Ion: 96 Resp: 10524
Ion Ratio Lower Upper
96 100
61 145.3 95.7 177.7
98 66.5 46.4 86.2





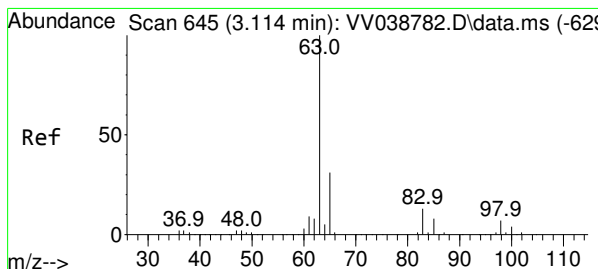
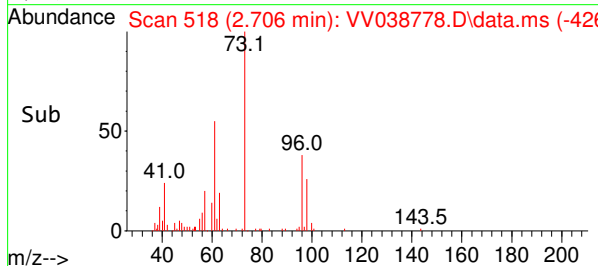
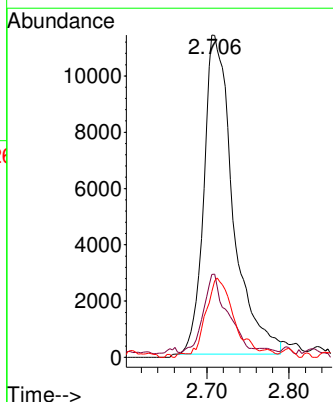
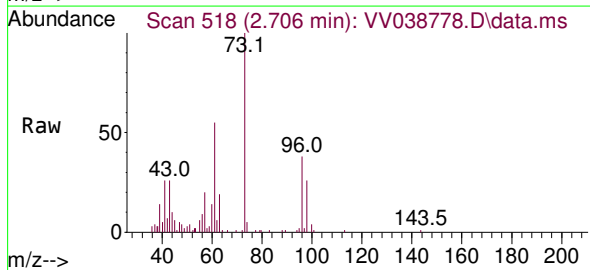
#18
Methyl tert-butyl Ether
Concen: 1.954 ug/L
RT: 2.706 min Scan# 519
Delta R.T. -0.003 min
Lab File: VV038778.D
Acq: 10 Jun 2025 13:26

Instrument : MSVOA_V
ClientSampleId : VV038778.D
MDL-WATER-QT2-2025-03

Tgt Ion: 73 Resp: 2802
Ion Ratio Lower Upper
73 100
43 20.3 14.7 22.1
57 20.1 17.7 26.5

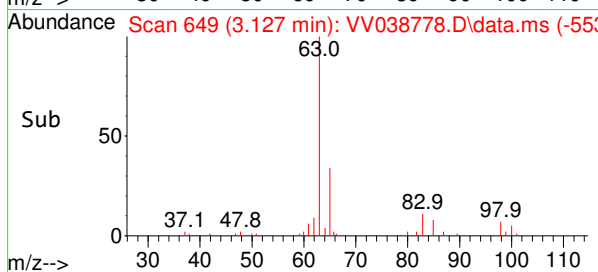
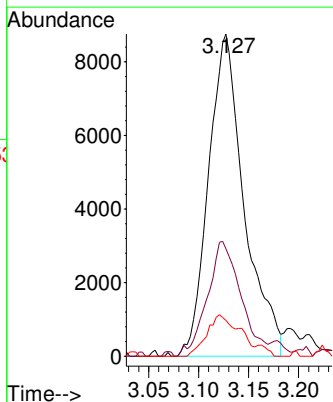
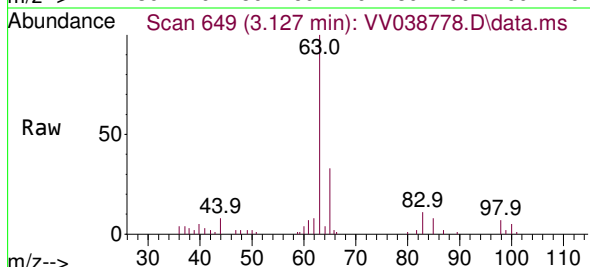
Manual Integrations
APPROVED

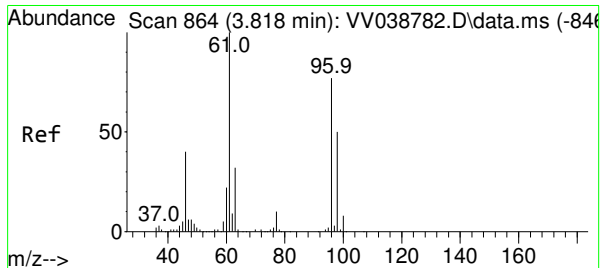
Reviewed By :John Carlone 06/16/2025
Supervised By :Mahesh Dadoda 06/16/2025



#19
1,1-Dichloroethane
Concen: 2.198 ug/L
RT: 3.127 min Scan# 649
Delta R.T. 0.010 min
Lab File: VV038778.D
Acq: 10 Jun 2025 13:26

Tgt Ion: 63 Resp: 21753
Ion Ratio Lower Upper
63 100
65 33.4 22.6 42.0
83 11.1 9.8 18.2





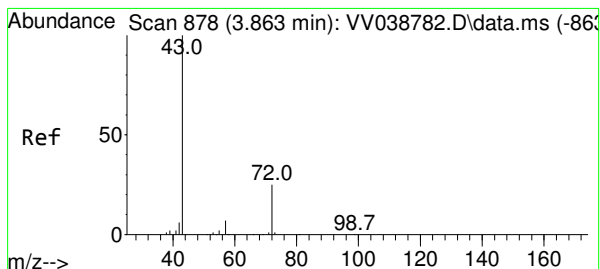
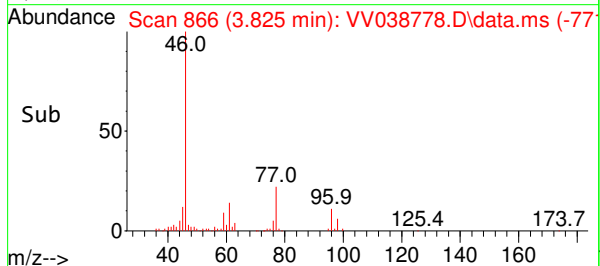
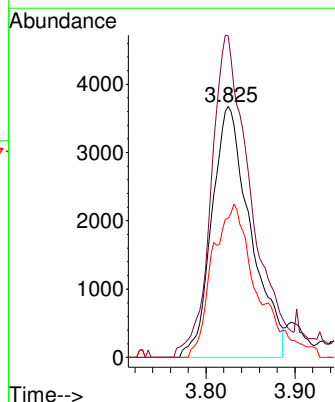
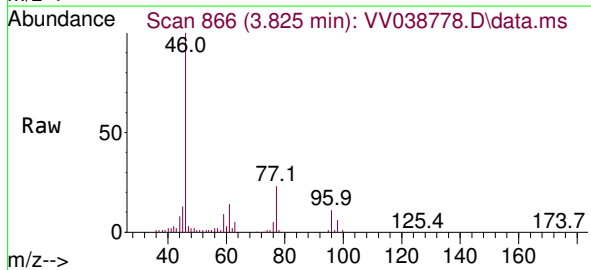
#20
cis-1,2-Dichloroethene
Concen: 2.172 ug/L
RT: 3.825 min Scan# 864
Delta R.T. 0.007 min
Lab File: VV038778.D
Acq: 10 Jun 2025 13:26

Instrument : MSVOA_V
ClientSampleId : VV038778.D
MDL-WATER-QT2-2025-03

Tgt Ion: 96 Resp: 1111
Ion Ratio Lower Upper
96 100
61 128.1 83.5 155.1
98 55.4 44.6 82.8

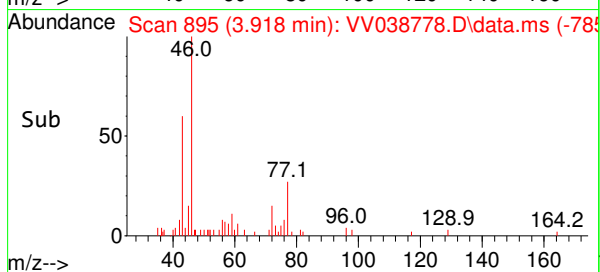
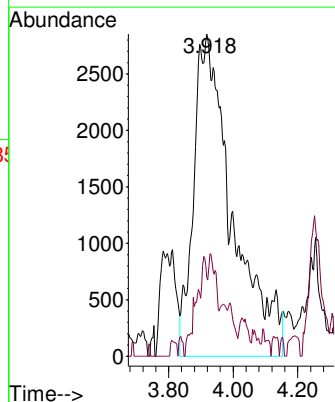
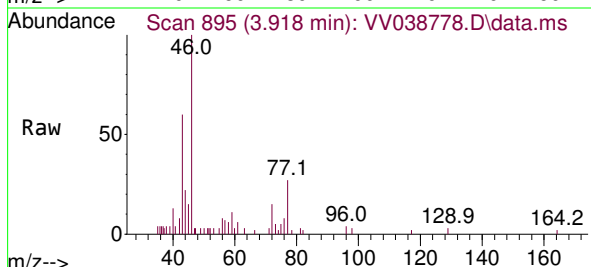
Manual Integrations
APPROVED

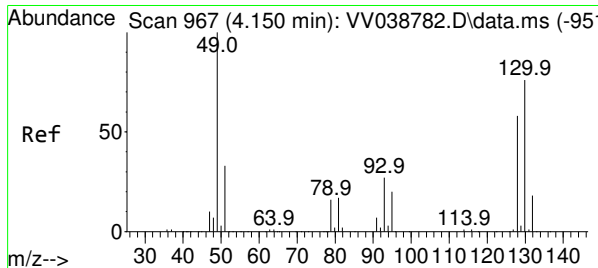
Reviewed By :John Carlone 06/16/2025
Supervised By :Mahesh Dadoda 06/16/2025



#22
2-Butanone
Concen: 6.291 ug/L m
RT: 3.918 min Scan# 895
Delta R.T. 0.055 min
Lab File: VV038778.D
Acq: 10 Jun 2025 13:26

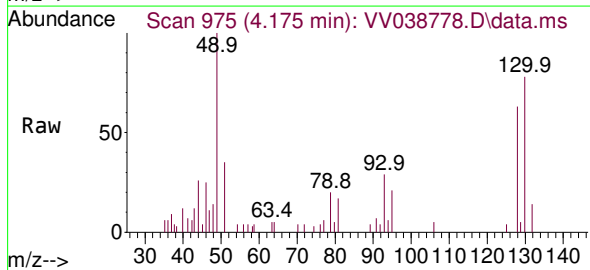
Tgt Ion: 43 Resp: 23669
Ion Ratio Lower Upper
43 100
72 0.6 12.5 37.5#





#23
 Bromochloromethane
 Concen: 2.701 ug/L m
 RT: 4.175 min Scan# 9
 Delta R.T. 0.026 min
 Lab File: VV038778.D
 Acq: 10 Jun 2025 13:26

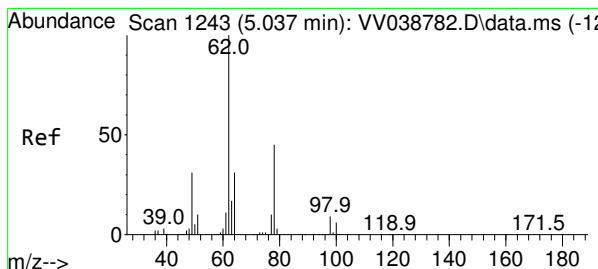
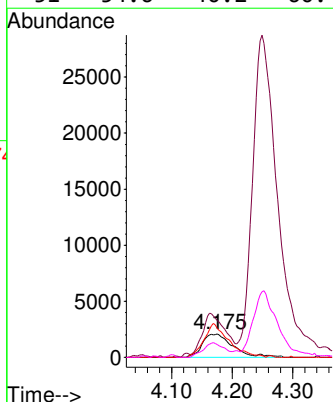
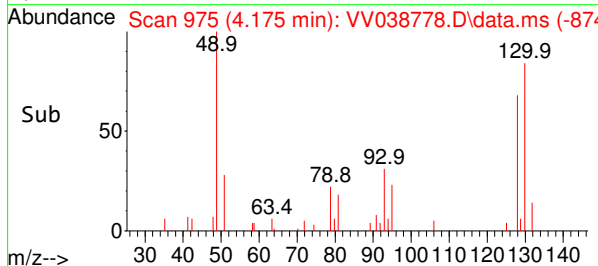
Instrument : MSVOA_V
 ClientSampleId :
 MDL-WATER-QT2-2025-03



Tgt Ion: 128 Resp: 737
 Ion Ratio Lower Upper
 128 100
 49 157.8 106.7 198.3
 130 123.7 93.2 173.2
 51 54.6 40.2 60.4

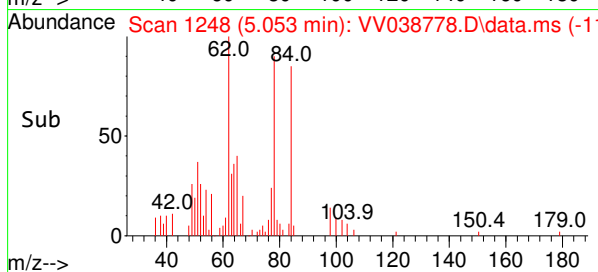
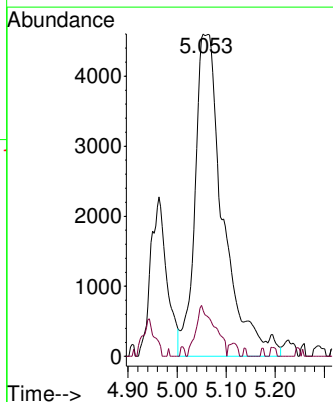
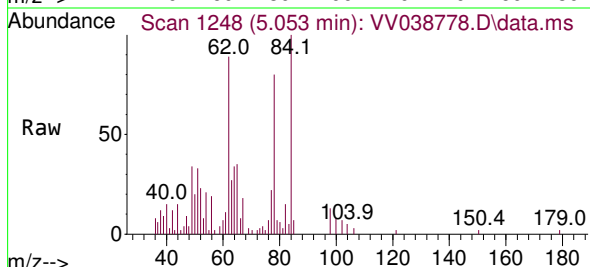
Manual Integrations
 APPROVED

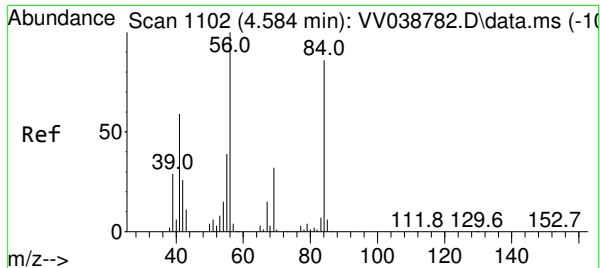
Reviewed By :John Carlone 06/16/2025
 Supervised By :Mahesh Dadoda 06/16/2025



#27
 1,2-Dichloroethane
 Concen: 2.481 ug/L m
 RT: 5.053 min Scan# 1248
 Delta R.T. 0.016 min
 Lab File: VV038778.D
 Acq: 10 Jun 2025 13:26

Tgt Ion: 62 Resp: 18264
 Ion Ratio Lower Upper
 62 100
 98 14.2 7.5 11.3#





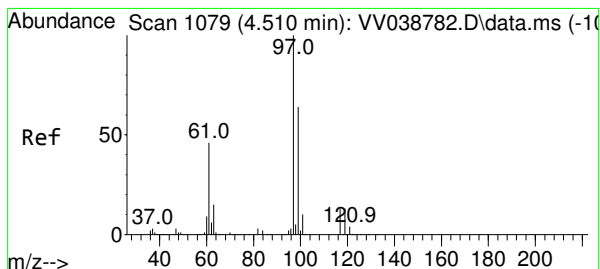
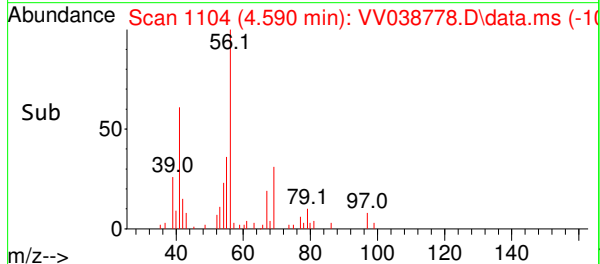
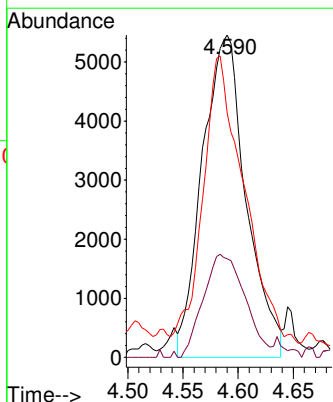
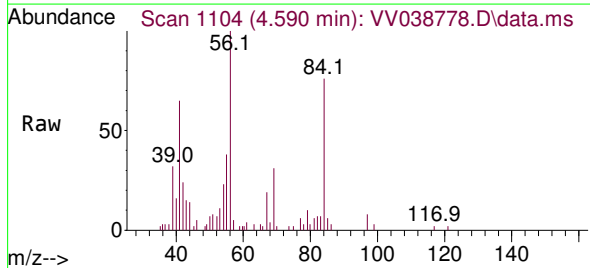
#29
Cyclohexane
Concen: 1.840 ug/L
RT: 4.590 min Scan# 1104
Delta R.T. 0.007 min
Lab File: VV038778.D
Acq: 10 Jun 2025 13:26

Instrument : MSVOA_V
ClientSampleId : VV038778.D
MDL-WATER-QT2-2025-03

Tgt Ion: 56 Resp: 1504
Ion Ratio Lower Upper
56 100
69 30.5 24.8 37.2
84 78.3 73.7 110.5

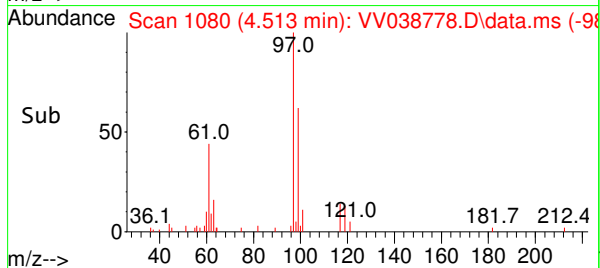
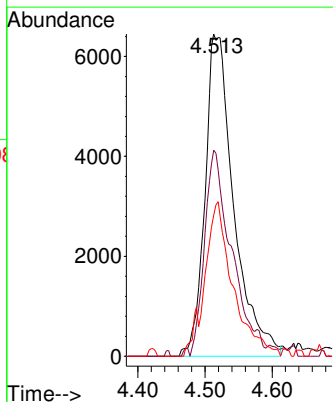
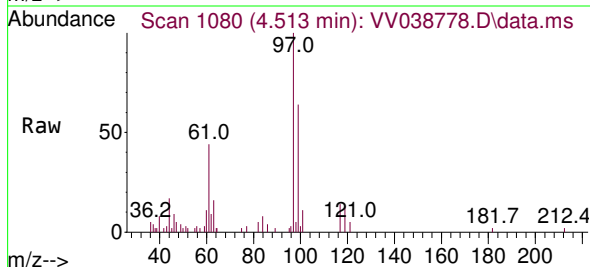
Manual Integrations
APPROVED

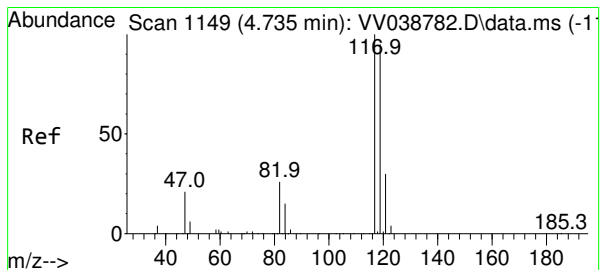
Reviewed By :John Carlone 06/16/2025
Supervised By :Mahesh Dadoda 06/16/2025



#30
1,1,1-Trichloroethane
Concen: 2.288 ug/L m
RT: 4.513 min Scan# 1080
Delta R.T. 0.003 min
Lab File: VV038778.D
Acq: 10 Jun 2025 13:26

Tgt Ion: 97 Resp: 19243
Ion Ratio Lower Upper
97 100
99 58.4 52.3 78.5
61 43.3 33.6 50.4





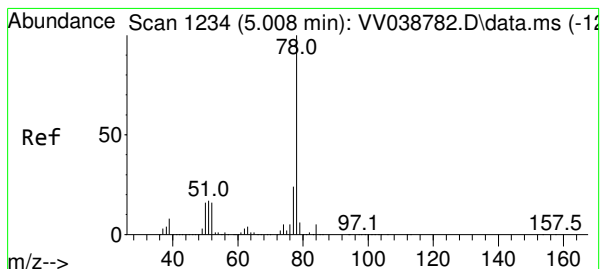
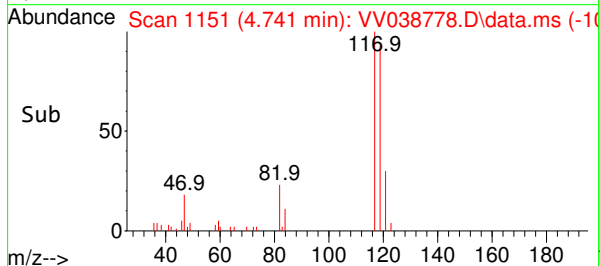
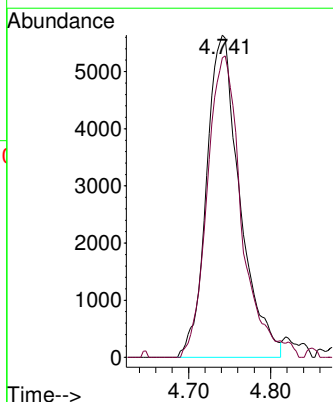
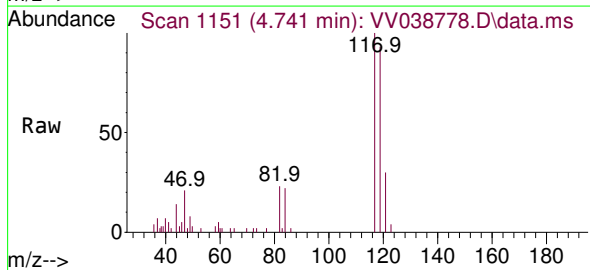
#31
Carbon tetrachloride
Concen: 2.185 ug/L
RT: 4.741 min Scan# 1151
Delta R.T. 0.007 min
Lab File: VV038778.D
Acq: 10 Jun 2025 13:26

Instrument : MSVOA_V
ClientSampleId : VV038778.D
MDL-WATER-QT2-2025-03

Tgt Ion:117 Resp: 1594
Ion Ratio Lower Upper
117 100
119 94.0 77.7 116.5

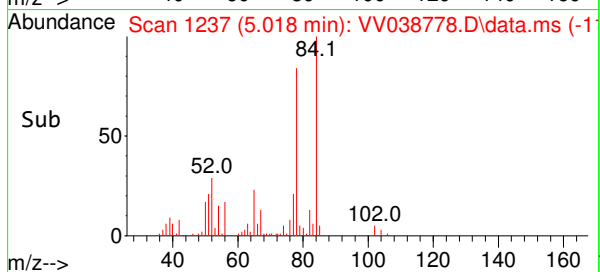
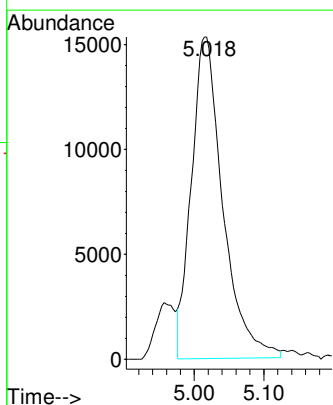
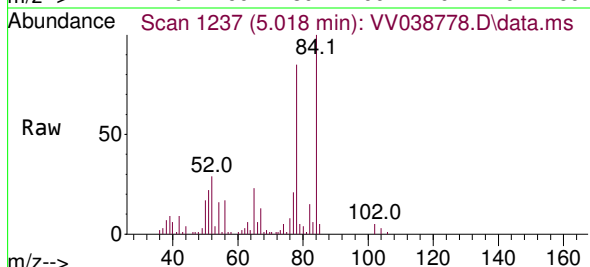
Manual Integrations
APPROVED

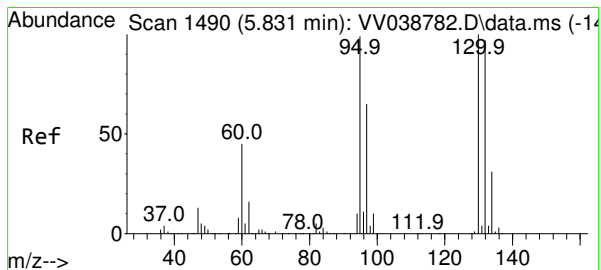
Reviewed By :John Carlone 06/16/2025
Supervised By :Mahesh Dadoda 06/16/2025



#33
Benzene
Concen: 2.386 ug/L
RT: 5.018 min Scan# 1237
Delta R.T. 0.010 min
Lab File: VV038778.D
Acq: 10 Jun 2025 13:26

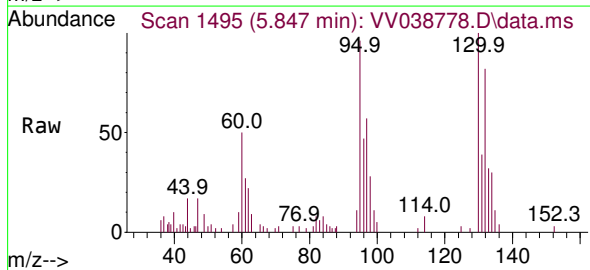
Tgt Ion: 78 Resp: 47982





#34
Trichloroethene
Concen: 2.329 ug/L
RT: 5.847 min Scan# 1
Delta R.T. 0.019 min
Lab File: VV038778.D
Acq: 10 Jun 2025 13:26

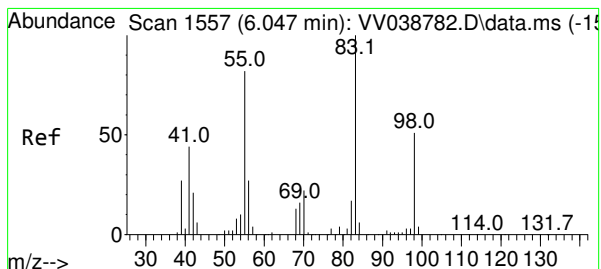
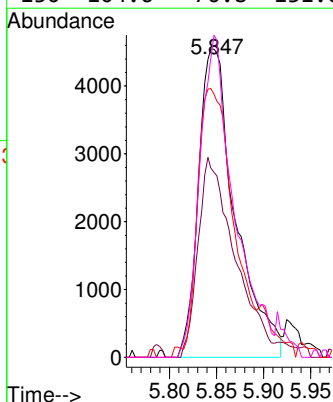
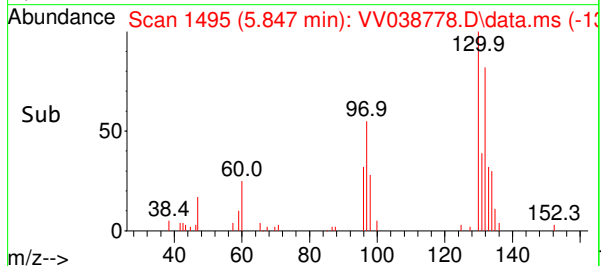
Instrument : MSVOA_V
ClientSampleId : VV038778.D
MDL-WATER-QT2-2025-03



Tgt Ion: 95 Resp: 1241
Ion Ratio Lower Upper
95 100
97 60.1 45.6 84.8
132 85.3 67.6 125.6
130 104.6 70.8 131.6

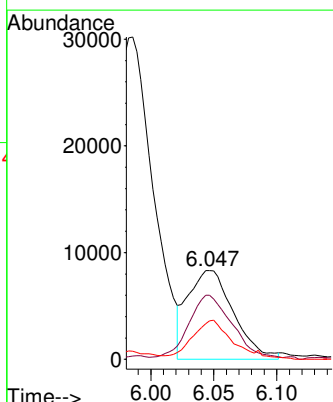
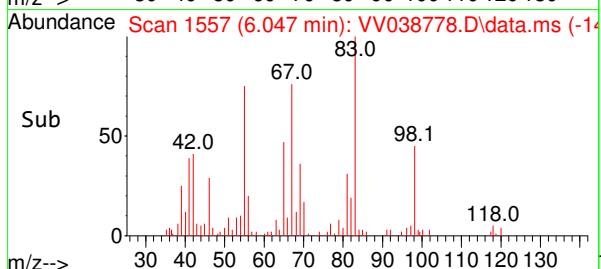
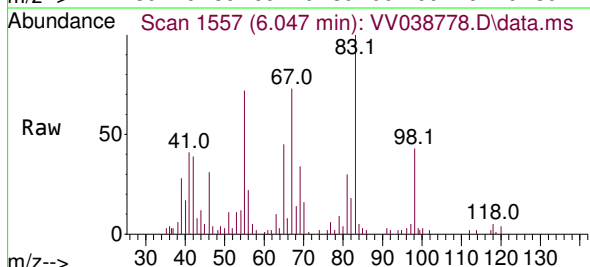
Manual Integrations
APPROVED

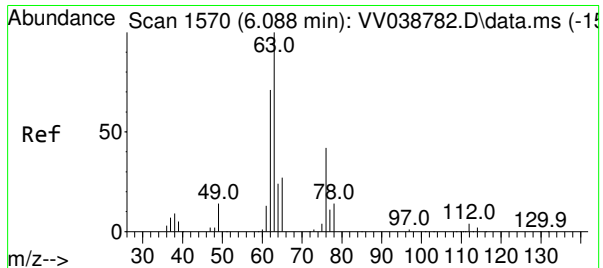
Reviewed By :John Carlone 06/16/2025
Supervised By :Mahesh Dadoda 06/16/2025



#35
Methylcyclohexane
Concen: 2.520 ug/L m
RT: 6.047 min Scan# 1557
Delta R.T. 0.000 min
Lab File: VV038778.D
Acq: 10 Jun 2025 13:26

Tgt Ion: 83 Resp: 21063
Ion Ratio Lower Upper
83 100
55 1.7 59.0 88.6#
98 2.6 39.5 59.3#





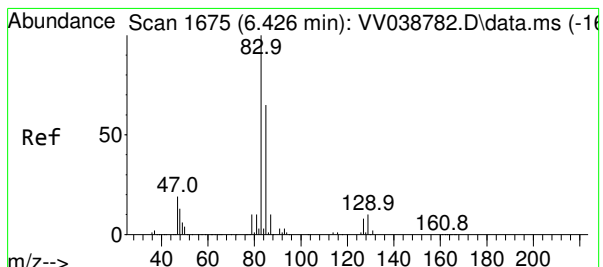
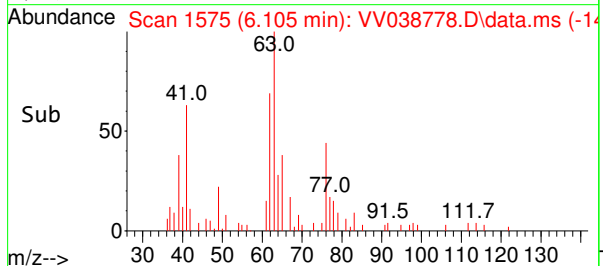
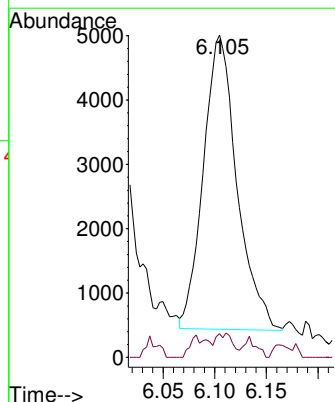
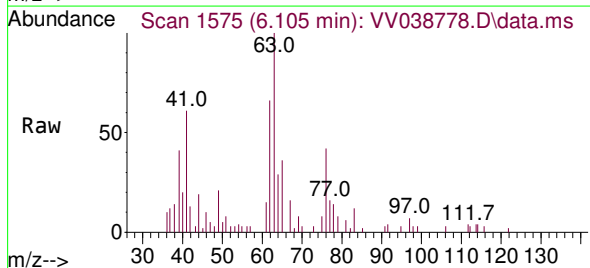
#37
1,2-Dichloropropane
Concen: 1.785 ug/L
RT: 6.105 min Scan# 1
Delta R.T. 0.019 min
Lab File: VV038778.D
Acq: 10 Jun 2025 13:26

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

Tgt Ion: 63 Resp: 1034
Ion Ratio Lower Upper
63 100
112 0.8 3.8 5.6

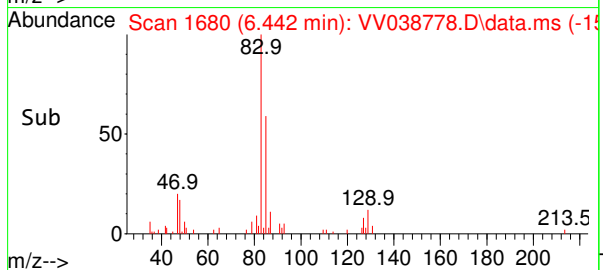
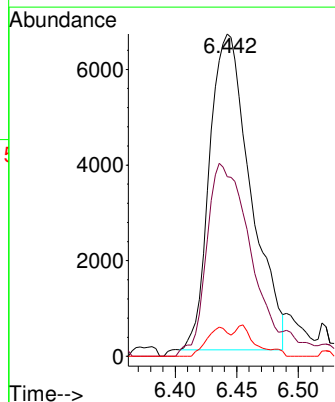
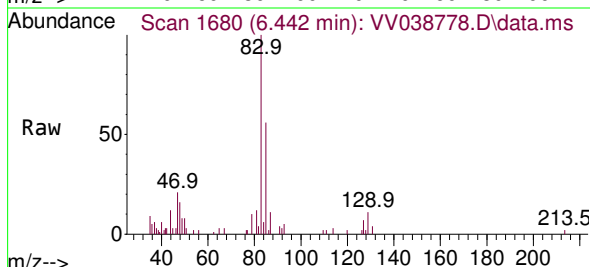
Manual Integrations
APPROVED

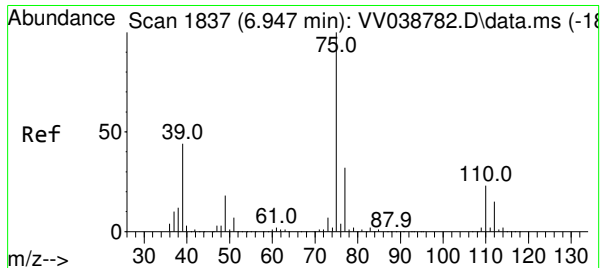
Reviewed By :John Carlone 06/16/2025
Supervised By :Mahesh Dadoda 06/16/2025



#38
Bromodichloromethane
Concen: 2.043 ug/L
RT: 6.442 min Scan# 1680
Delta R.T. 0.016 min
Lab File: VV038778.D
Acq: 10 Jun 2025 13:26

Tgt Ion: 83 Resp: 15357
Ion Ratio Lower Upper
83 100
85 55.7 44.9 83.5
127 7.3 6.8 10.2





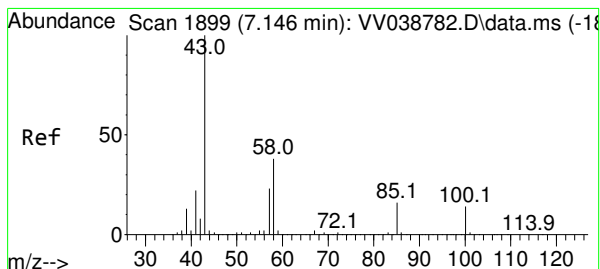
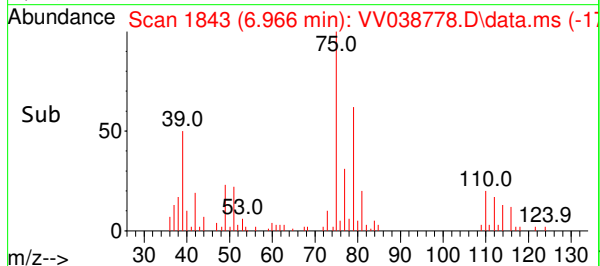
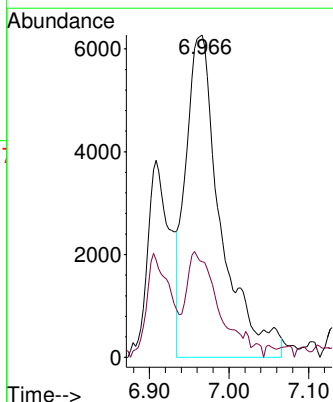
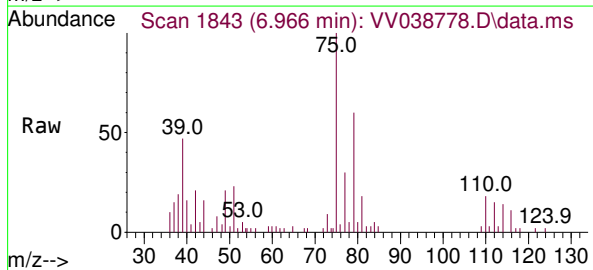
#39
 cis-1,3-Dichloropropene
 Concen: 2.299 ug/L m
 RT: 6.966 min Scan# 1
 Delta R.T. 0.019 min
 Lab File: VV038778.D
 Acq: 10 Jun 2025 13:26

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

Tgt Ion: 75 Resp: 1913
 Ion Ratio Lower Upper
 75 100
 77 29.7 21.9 40.7

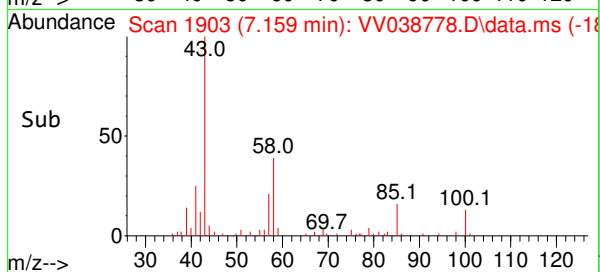
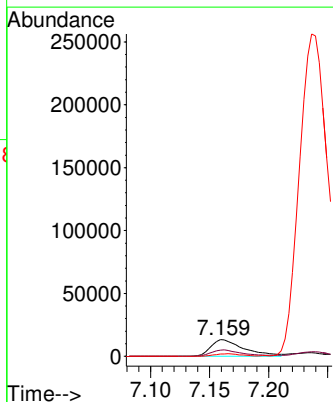
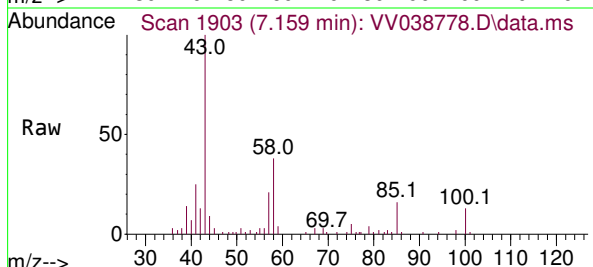
Manual Integrations
 APPROVED

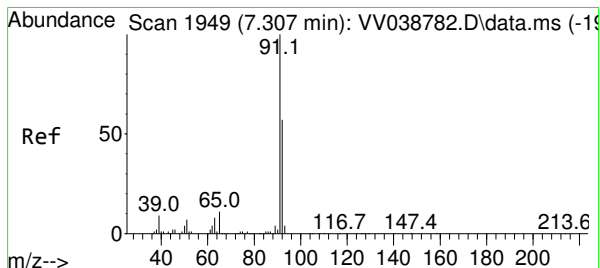
Reviewed By :John Carlone 06/16/2025
 Supervised By :Mahesh Dadoda 06/16/2025



#40
 4-Methyl-2-pentanone
 Concen: 3.281 ug/L m
 RT: 7.159 min Scan# 1903
 Delta R.T. 0.013 min
 Lab File: VV038778.D
 Acq: 10 Jun 2025 13:26

Tgt Ion: 43 Resp: 25988
 Ion Ratio Lower Upper
 43 100
 58 0.5 32.7 49.1#
 100 0.0 13.7 20.5#





#42

Toluene

Concen: 2.154 ug/L

RT: 7.320 min Scan# 1

Delta R.T. 0.013 min

Lab File: VV038778.D

Acq: 10 Jun 2025 13:26

Instrument :

MSVOA_V

ClientSampleId :

MDL-WATER-QT2-2025-03

Tgt Ion: 91 Resp: 4471

Ion Ratio Lower Upper

91 100

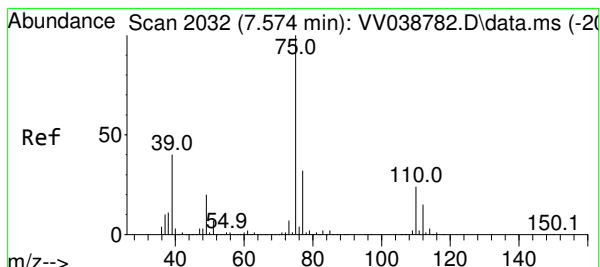
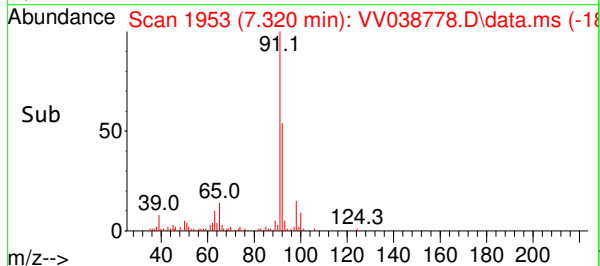
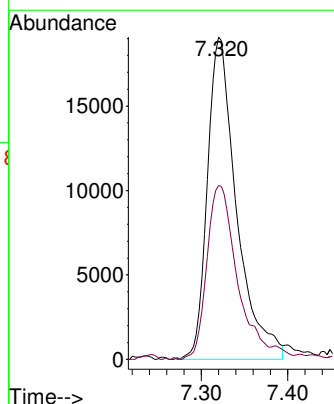
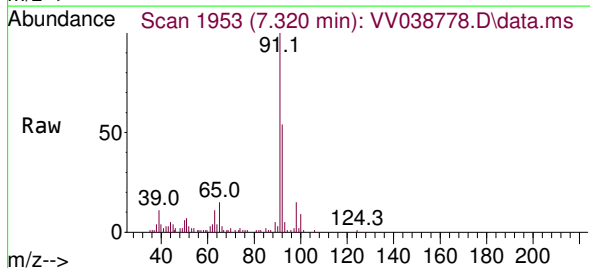
92 53.9 41.2 76.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 06/16/2025

Supervised By :Mahesh Dadoda 06/16/2025



#44

trans-1,3-Dichloropropene

Concen: 2.211 ug/L m

RT: 7.590 min Scan# 2037

Delta R.T. 0.019 min

Lab File: VV038778.D

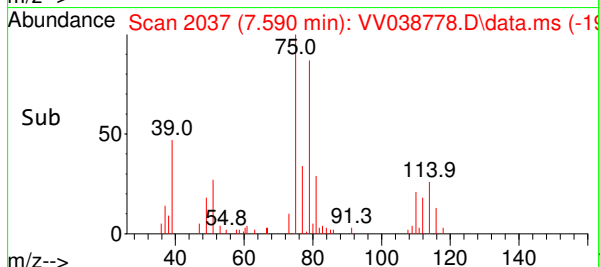
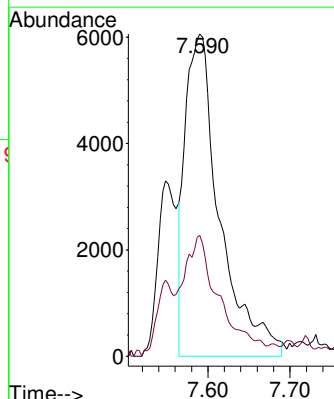
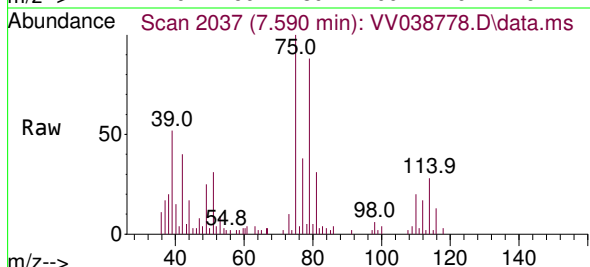
Acq: 10 Jun 2025 13:26

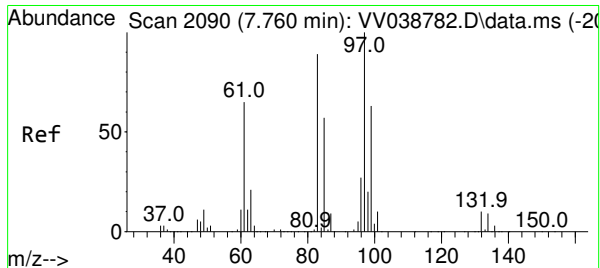
Tgt Ion: 75 Resp: 17763

Ion Ratio Lower Upper

75 100

77 37.6 22.7 42.1





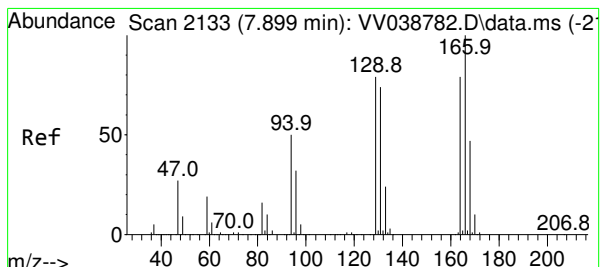
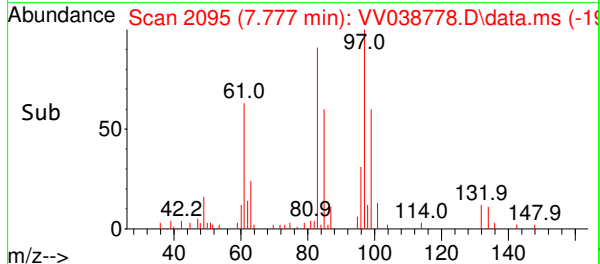
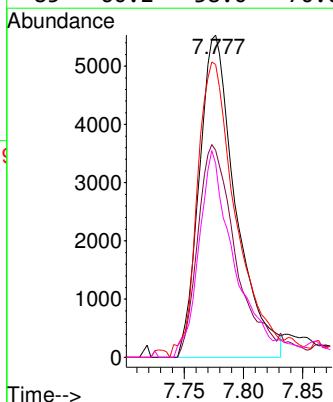
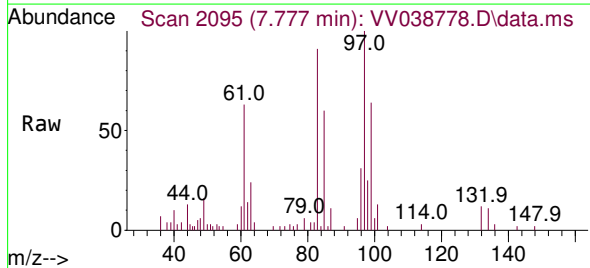
#45
1,1,2-Trichloroethane
Concen: 2.085 ug/L
RT: 7.777 min Scan# 2133
Delta R.T. 0.016 min
Lab File: VV038778.D
Acq: 10 Jun 2025 13:26

Instrument : MSVOA_V
ClientSampleId : VV038778.D
MDL-WATER-QT2-2025-03

Tgt Ion:	97	Resp:	1184
Ion	Ratio	Lower	Upper
97	100		
99	64.2	43.6	81.0
83	90.8	60.5	112.5
85	60.2	38.0	70.6

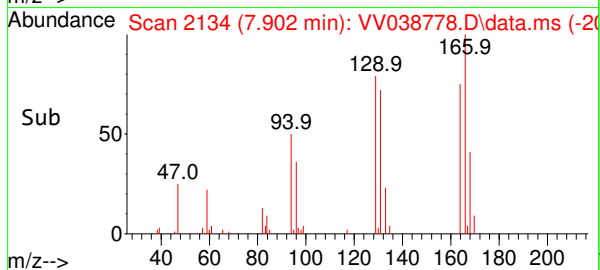
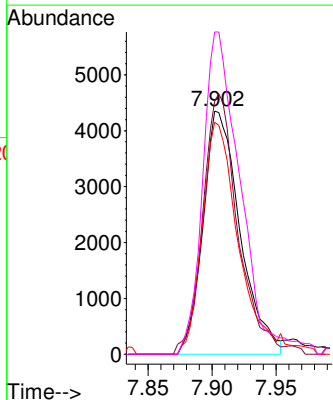
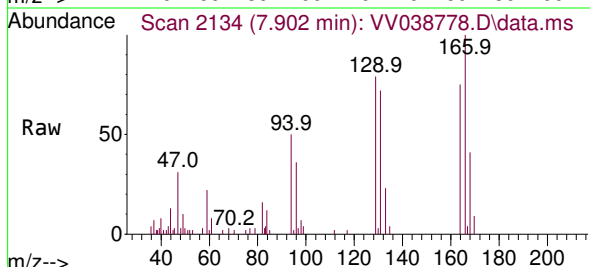
Manual Integrations
APPROVED

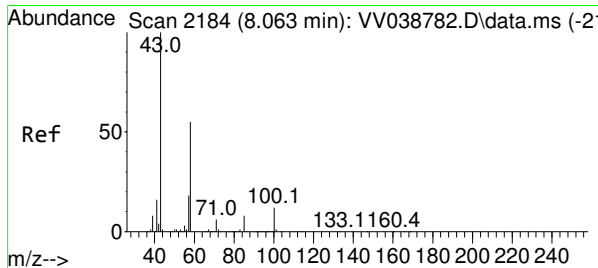
Reviewed By :John Carlone 06/16/2025
Supervised By :Mahesh Dadoda 06/16/2025



#46
Tetrachloroethene
Concen: 2.235 ug/L
RT: 7.902 min Scan# 2134
Delta R.T. 0.007 min
Lab File: VV038778.D
Acq: 10 Jun 2025 13:26

Tgt Ion:	164	Resp:	8760
Ion	Ratio	Lower	Upper
164	100		
129	104.0	69.2	128.4
131	95.3	63.1	117.3
166	132.5	89.7	166.5





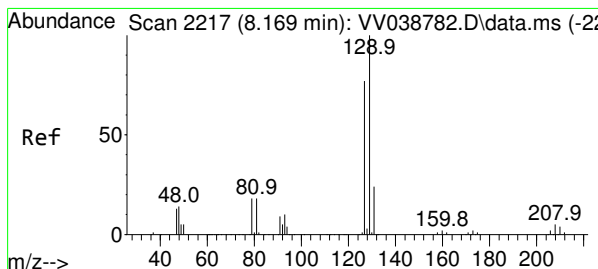
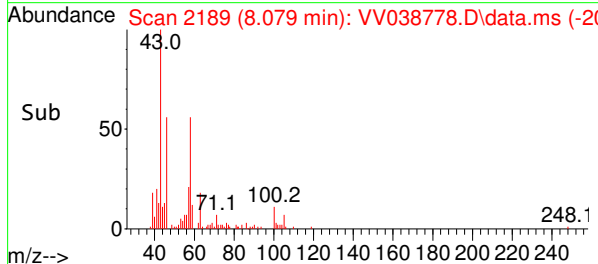
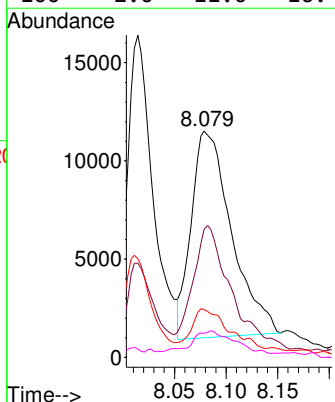
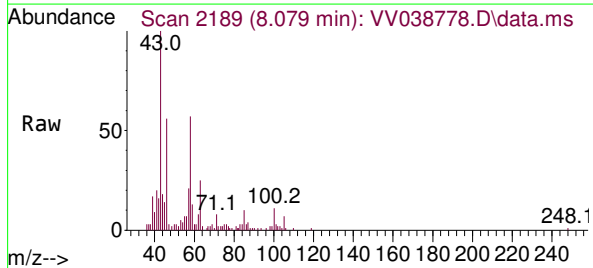
#48
2-Hexanone
Concen: 4.873 ug/L
RT: 8.079 min Scan# 2184
Delta R.T. 0.016 min
Lab File: VV038778.D
Acq: 10 Jun 2025 13:26

Instrument : MSVOA_V
ClientSampleId : VV038778.D
MDL-WATER-QT2-2025-03

Tgt Ion	Ratio	Lower	Upper
43	100		
58	39.8	48.0	72.0
57	11.1	15.5	23.3
100	2.0	11.0	16.4

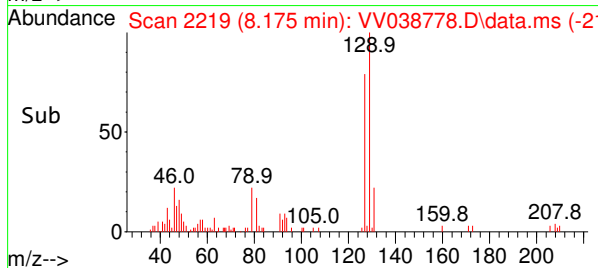
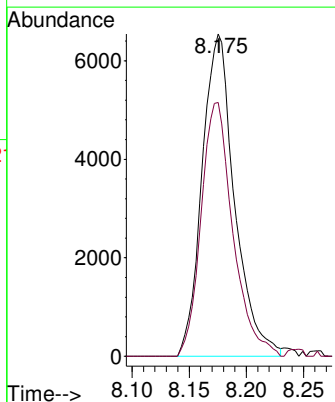
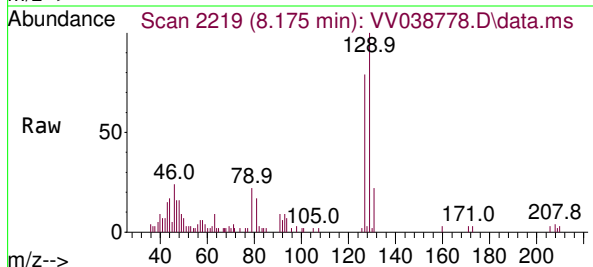
Manual Integrations
APPROVED

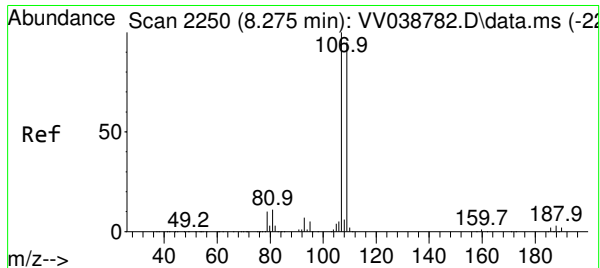
Reviewed By :John Carlone 06/16/2025
Supervised By :Mahesh Dadoda 06/16/2025



#49
Dibromochloromethane
Concen: 2.244 ug/L
RT: 8.175 min Scan# 2219
Delta R.T. 0.010 min
Lab File: VV038778.D
Acq: 10 Jun 2025 13:26

Tgt Ion	Ratio	Lower	Upper
129	100		
127	78.7	53.8	100.0





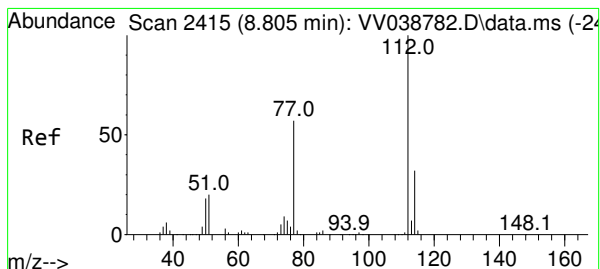
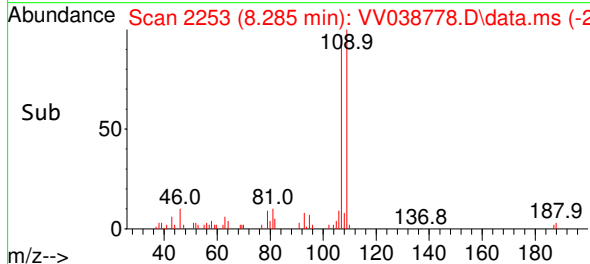
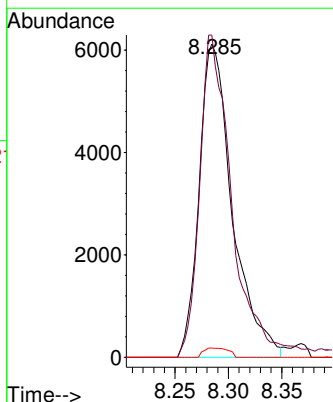
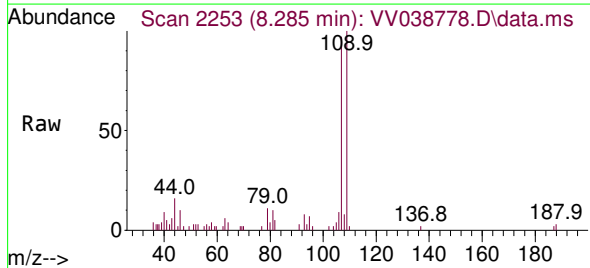
#50
1,2-Dibromoethane
Concen: 2.274 ug/L
RT: 8.285 min Scan# 2127
Delta R.T. 0.013 min
Lab File: VV038778.D
Acq: 10 Jun 2025 13:26

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

Tgt Ion	Ratio	Lower	Upper
107	100		
109	102.9	66.1	122.7
188	3.0	2.6	3.8

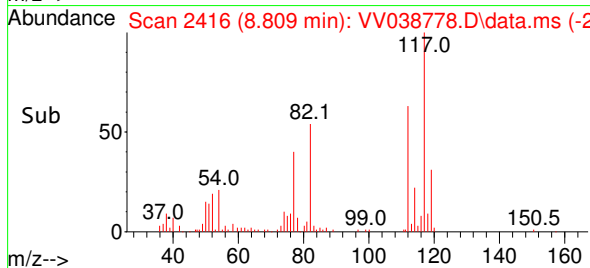
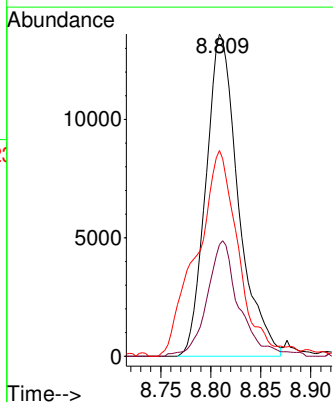
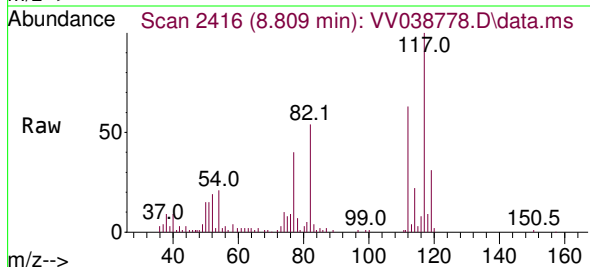
Manual Integrations
APPROVED

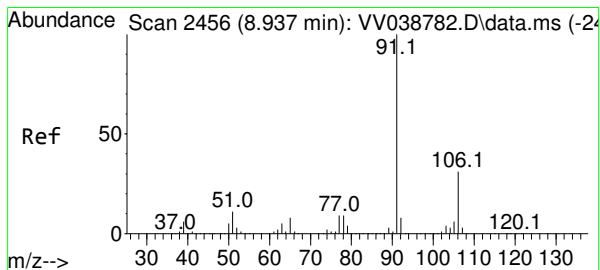
Reviewed By :John Carlone 06/16/2025
Supervised By :Mahesh Dadoda 06/16/2025



#51
Chlorobenzene
Concen: 2.199 ug/L
RT: 8.809 min Scan# 2416
Delta R.T. 0.003 min
Lab File: VV038778.D
Acq: 10 Jun 2025 13:26

Tgt Ion	Ratio	Lower	Upper
112	100		
114	34.7	21.9	40.7
77	63.8	45.4	68.0





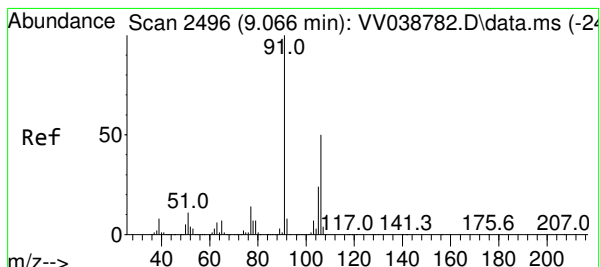
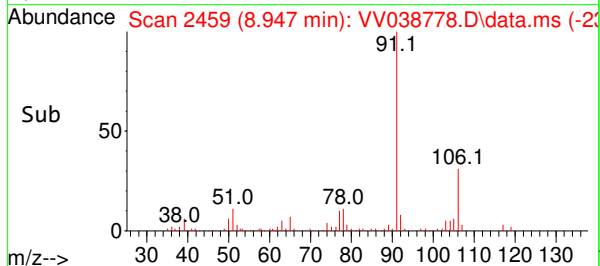
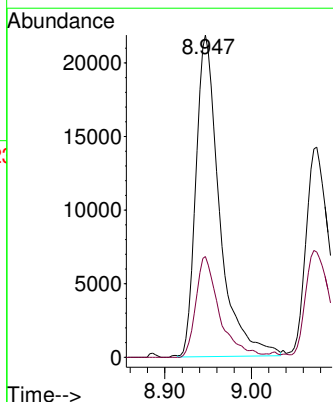
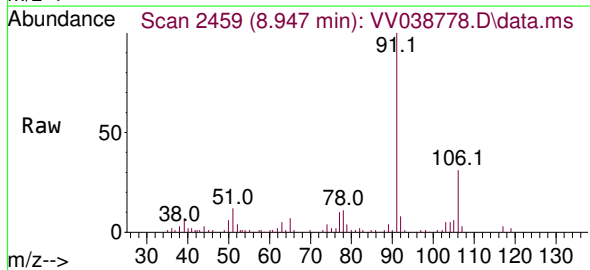
#52
Ethylbenzene
Concen: 1.846 ug/L
RT: 8.947 min Scan# 2459
Delta R.T. 0.010 min
Lab File: VV038778.D
Acq: 10 Jun 2025 13:26

Instrument : MSVOA_V
ClientSampleId : VV038778.D
MDL-WATER-QT2-2025-03

Tgt Ion: 91 Resp: 4127
Ion Ratio Lower Upper
91 100
106 31.3 21.6 40.6

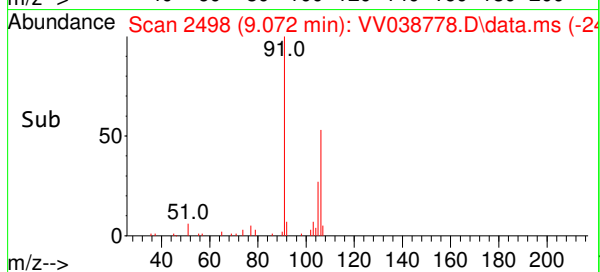
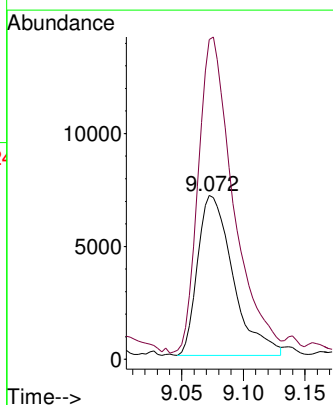
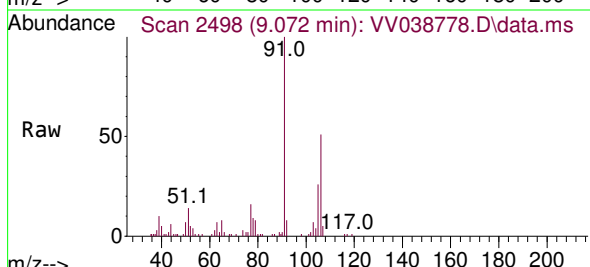
Manual Integrations
APPROVED

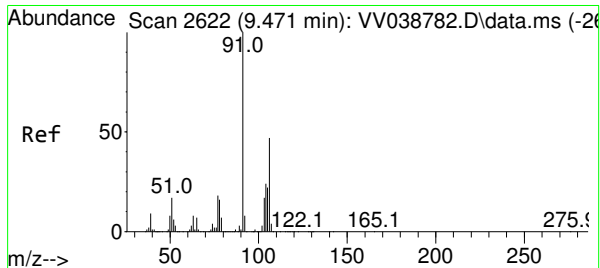
Reviewed By :John Carlone 06/16/2025
Supervised By :Mahesh Dadoda 06/16/2025



#53
m,p-Xylene
Concen: 1.730 ug/L
RT: 9.072 min Scan# 2498
Delta R.T. 0.010 min
Lab File: VV038778.D
Acq: 10 Jun 2025 13:26

Tgt Ion:106 Resp: 14201
Ion Ratio Lower Upper
106 100
91 194.9 142.6 264.8





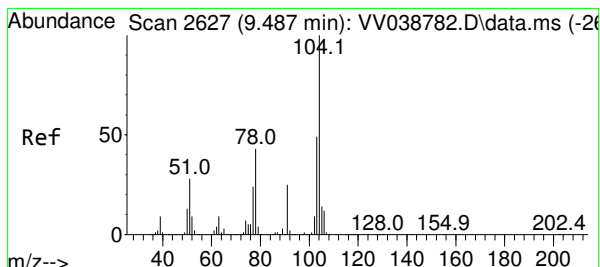
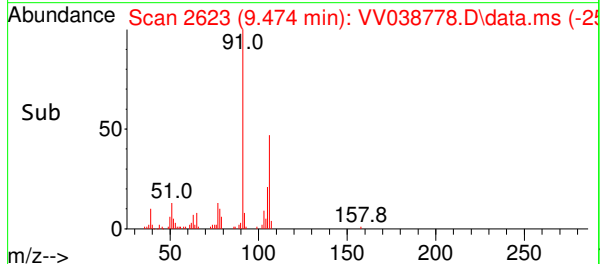
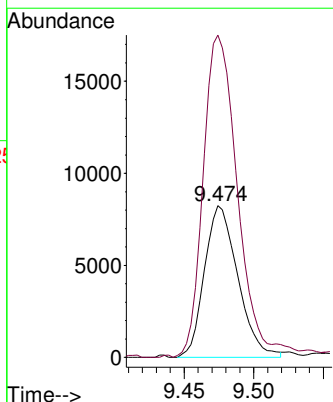
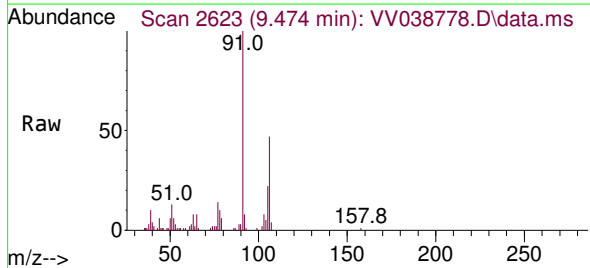
#54
o-Xylene
Concen: 1.728 ug/L
RT: 9.474 min Scan# 2622
Delta R.T. 0.007 min
Lab File: VV038778.D
Acq: 10 Jun 2025 13:26

Instrument : MSVOA_V
ClientSampleId : VV038778.D
MDL-WATER-QT2-2025-03

Tgt Ion:106 Resp: 1372
Ion Ratio Lower Upper
106 100
91 212.3 151.1 280.7

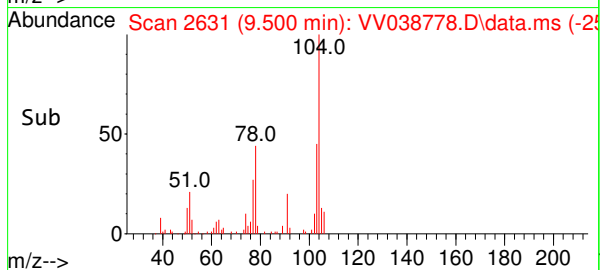
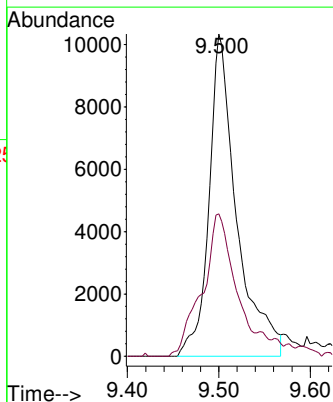
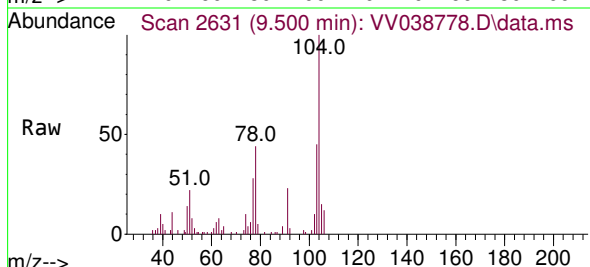
Manual Integrations
APPROVED

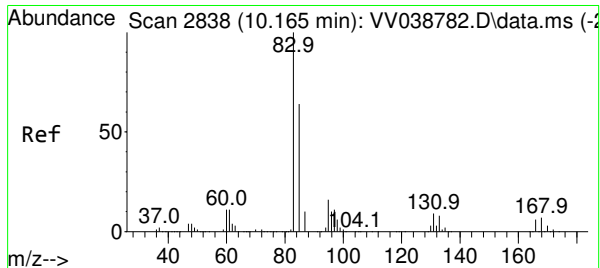
Reviewed By :John Carlone 06/16/2025
Supervised By :Mahesh Dadoda 06/16/2025



#55
Styrene
Concen: 1.570 ug/L
RT: 9.500 min Scan# 2631
Delta R.T. 0.016 min
Lab File: VV038778.D
Acq: 10 Jun 2025 13:26

Tgt Ion:104 Resp: 21714
Ion Ratio Lower Upper
104 100
78 44.2 29.7 55.1





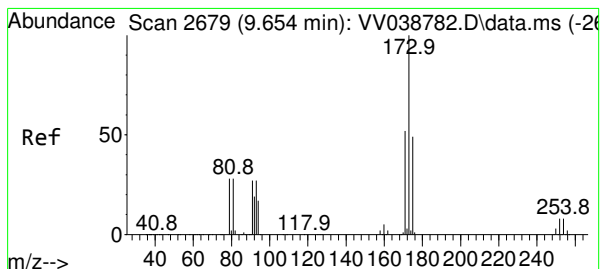
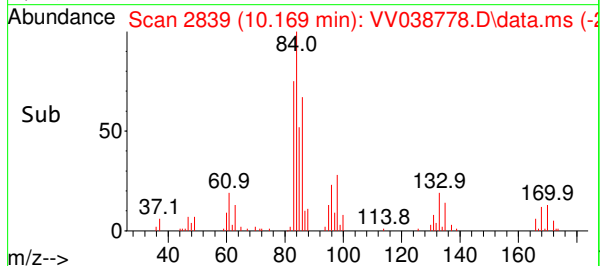
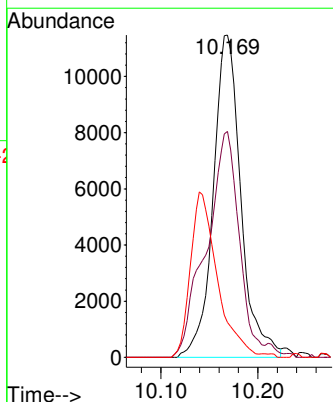
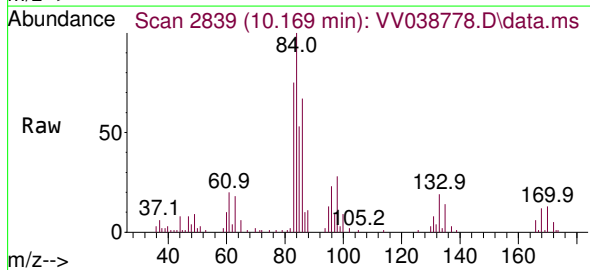
#57
1,1,2,2-Tetrachloroethane
Concen: 2.418 ug/L
RT: 10.169 min Scan# 21
Delta R.T. 0.003 min
Lab File: VV038778.D
Acq: 10 Jun 2025 13:26

Instrument : MSVOA_V
ClientSampleId : VV038778.D
MDL-WATER-QT2-2025-03

Tgt Ion: 83 Resp: 2266
Ion Ratio Lower Upper
83 100
85 70.0 44.7 82.9
131 10.8 8.0 12.0

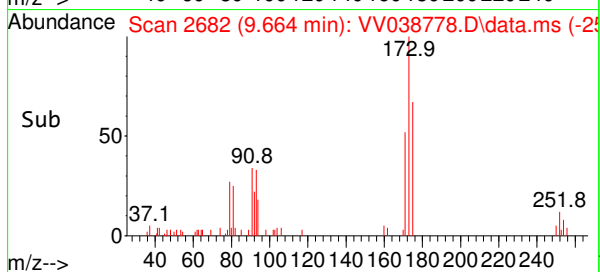
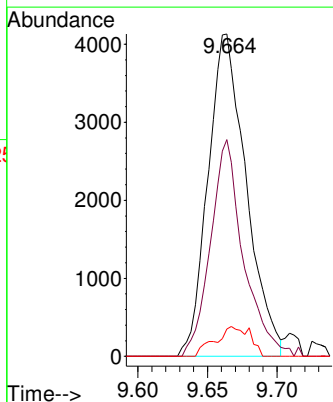
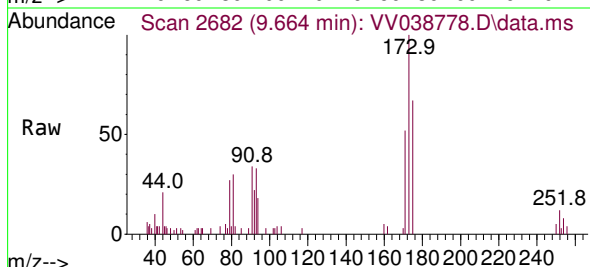
Manual Integrations
APPROVED

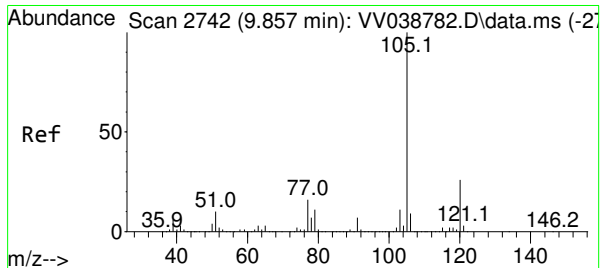
Reviewed By :John Carlone 06/16/2025
Supervised By :Mahesh Dadoda 06/16/2025



#59
Bromoform
Concen: 2.186 ug/L
RT: 9.664 min Scan# 2682
Delta R.T. 0.010 min
Lab File: VV038778.D
Acq: 10 Jun 2025 13:26

Tgt Ion:173 Resp: 7877
Ion Ratio Lower Upper
173 100
175 57.5 38.8 58.2
254 4.7 6.9 10.3#





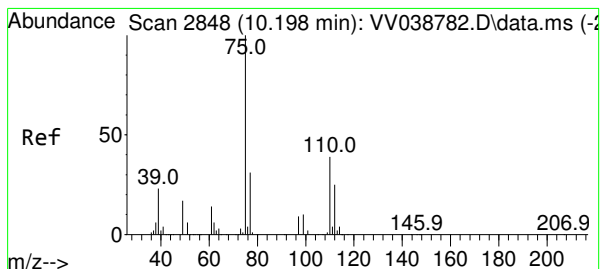
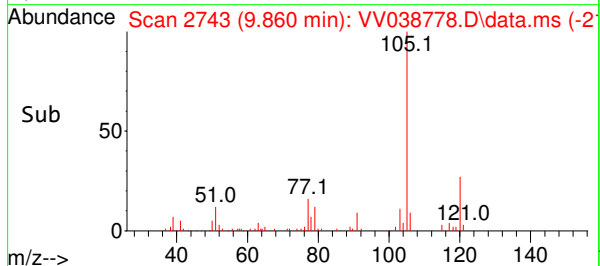
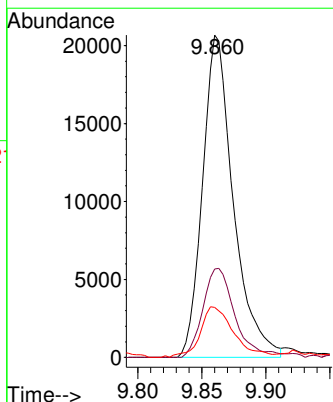
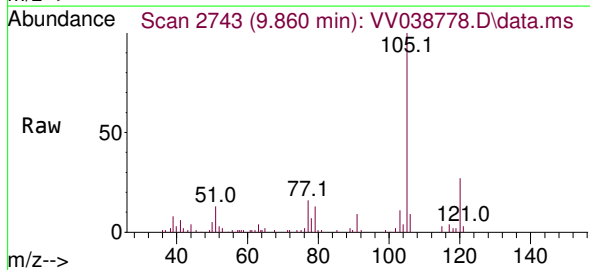
#60
Isopropylbenzene
Concen: 1.875 ug/L
RT: 9.860 min Scan# 2743
Delta R.T. 0.003 min
Lab File: VV038778.D
Acq: 10 Jun 2025 13:26

Instrument : MSVOA_V
ClientSampleId : VV038778.D
MDL-WATER-QT2-2025-03

Tgt Ion: 105 Resp: 3448
Ion Ratio Lower Upper
105 100
120 27.9 21.0 31.4
77 17.0 12.2 18.4

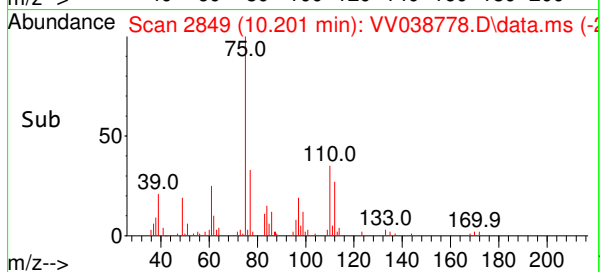
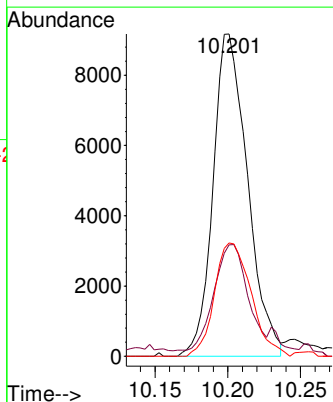
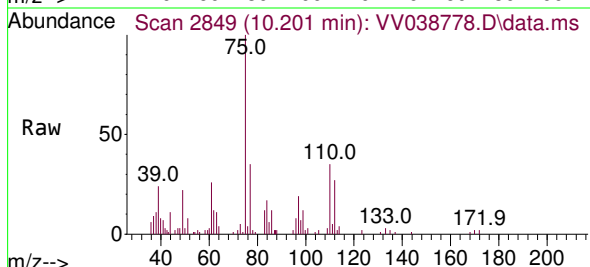
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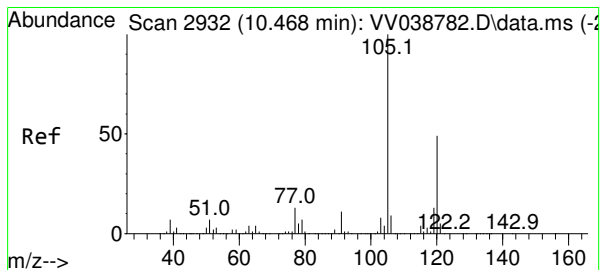
Reviewed By : John Carlone 06/16/2025
Supervised By : Mahesh Dadoda 06/16/2025



#61
1,2,3-Trichloropropane
Concen: 2.400 ug/L
RT: 10.201 min Scan# 2849
Delta R.T. 0.003 min
Lab File: VV038778.D
Acq: 10 Jun 2025 13:26

Tgt Ion: 75 Resp: 15148
Ion Ratio Lower Upper
75 100
77 33.6 25.8 38.6
110 37.3 32.2 48.4





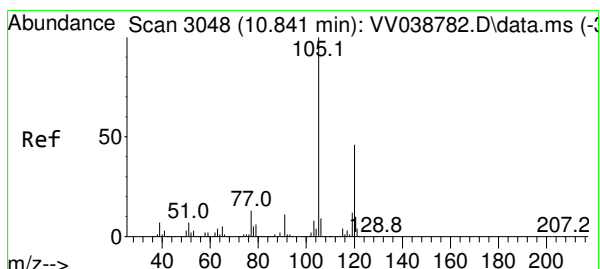
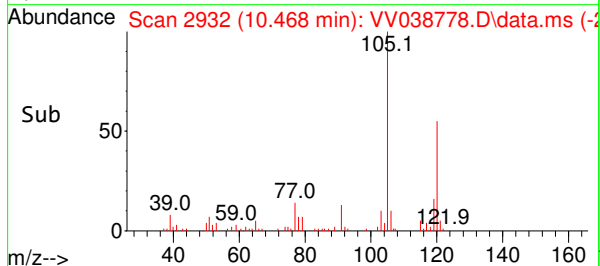
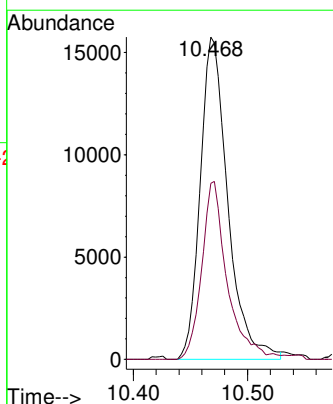
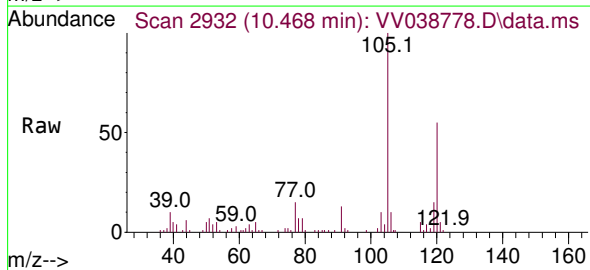
#62
 1,3,5-Trimethylbenzene
 Concen: 1.846 ug/L
 RT: 10.468 min Scan# 2932
 Delta R.T. 0.000 min
 Lab File: VV038778.D
 Acq: 10 Jun 2025 13:26

Instrument : MSVOA_V
 ClientSampleId : VV038778.D
 MDL-WATER-QT2-2025-03

Tgt Ion:105 Resp: 2641
 Ion Ratio Lower Upper
 105 100
 120 50.3 39.1 58.7

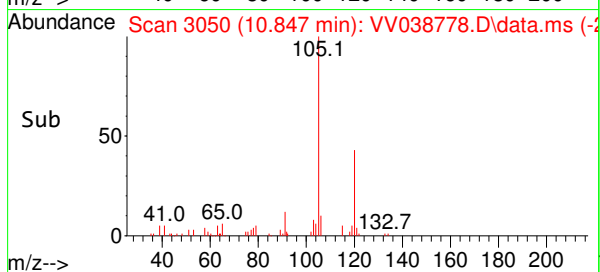
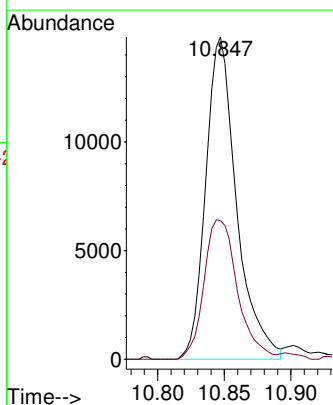
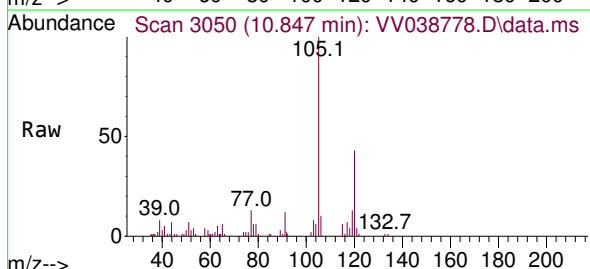
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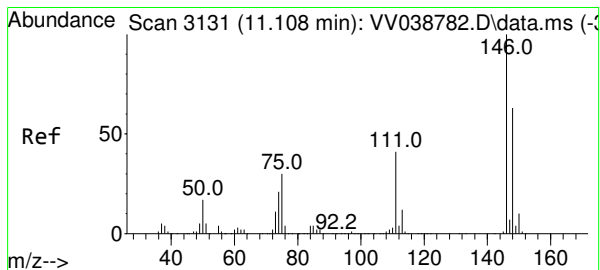
Reviewed By :John Carlone 06/16/2025
 Supervised By :Mahesh Dadoda 06/16/2025



#63
 1,2,4-Trimethylbenzene
 Concen: 1.690 ug/L
 RT: 10.847 min Scan# 3050
 Delta R.T. 0.007 min
 Lab File: VV038778.D
 Acq: 10 Jun 2025 13:26

Tgt Ion:105 Resp: 23890
 Ion Ratio Lower Upper
 105 100
 120 47.0 36.6 55.0





#64

1,3-Dichlorobenzene

Concen: 2.197 ug/L

RT: 11.114 min Scan# 3131

Delta R.T. 0.010 min

Lab File: VV038778.D

Acq: 10 Jun 2025 13:26

Instrument :

MSVOA_V

ClientSampleId :

MDL-WATER-QT2-2025-03

Tgt Ion:146 Resp: 1936

Ion Ratio Lower Upper

146 100

111 39.2 27.8 51.6

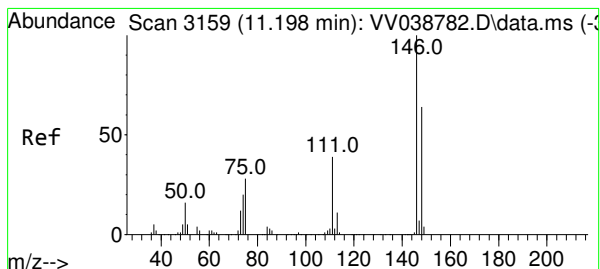
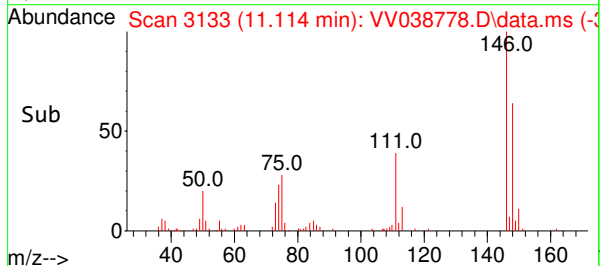
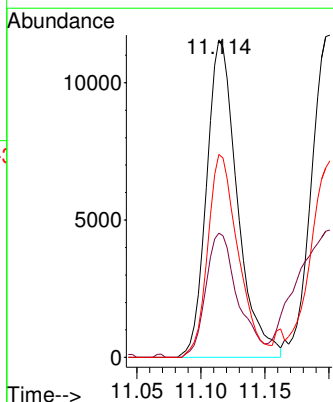
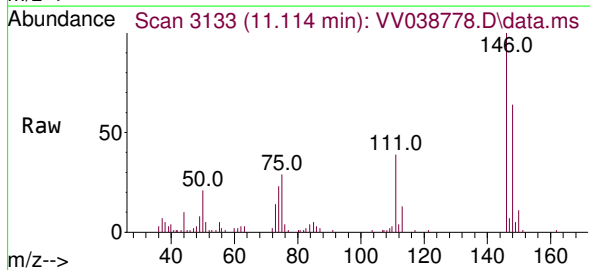
148 63.9 45.1 83.7

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Reviewed By :John Carlone 06/16/2025

Supervised By :Mahesh Dadoda 06/16/2025



#65

1,4-Dichlorobenzene

Concen: 2.318 ug/L

RT: 11.201 min Scan# 3160

Delta R.T. 0.003 min

Lab File: VV038778.D

Acq: 10 Jun 2025 13:26

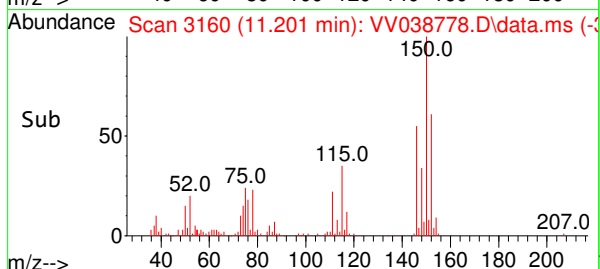
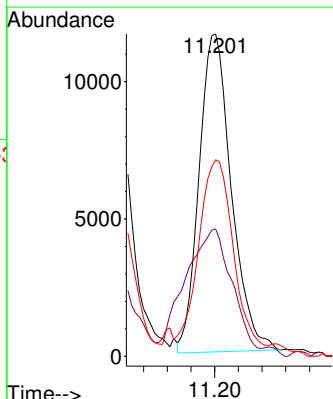
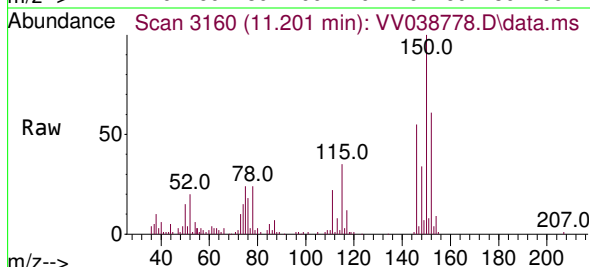
Tgt Ion:146 Resp: 21925

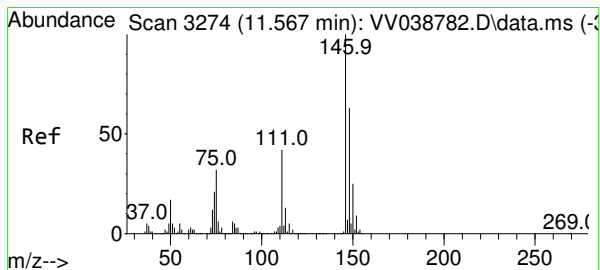
Ion Ratio Lower Upper

146 100

111 39.5 27.6 51.4

148 60.9 44.9 83.3





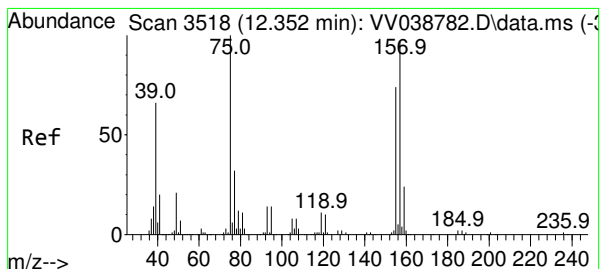
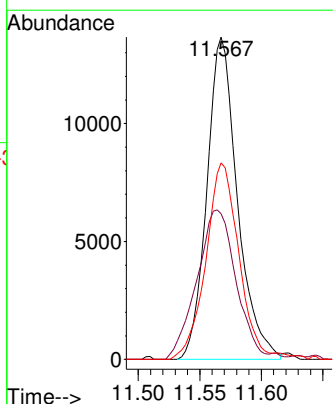
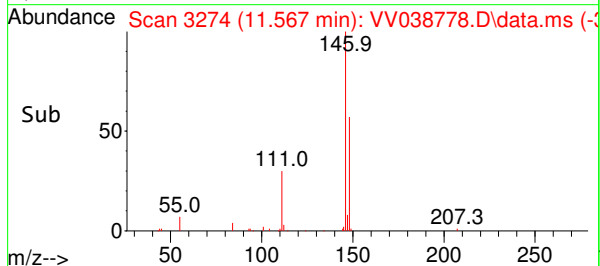
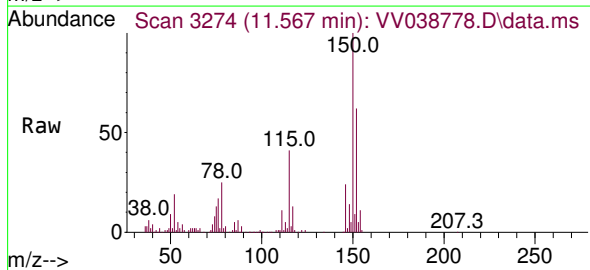
#67
 1,2-Dichlorobenzene
 Concen: 2.656 ug/L
 RT: 11.567 min Scan# 3274
 Delta R.T. 0.000 min
 Lab File: VV038778.D
 Acq: 10 Jun 2025 13:26

Instrument : MSVOA_V
 ClientSampleId : VV038778.D
 MDL-WATER-QT2-2025-03

Tgt Ion:	146	Resp:	2357
Ion Ratio	Lower	Upper	
146	100		
111	45.2	34.2	51.2
148	61.0	50.5	75.7

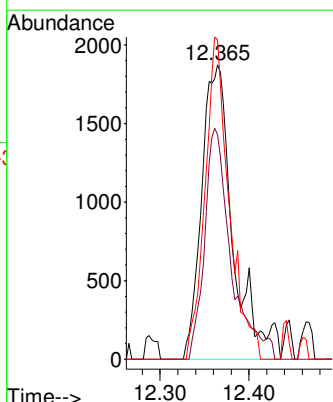
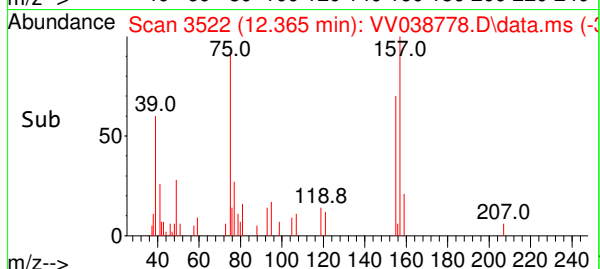
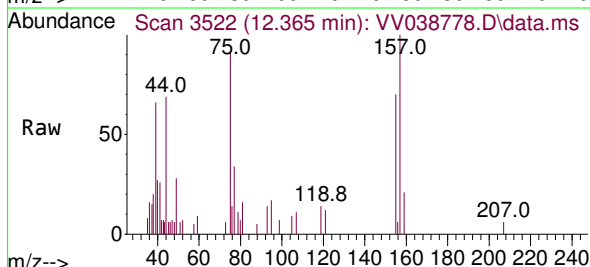
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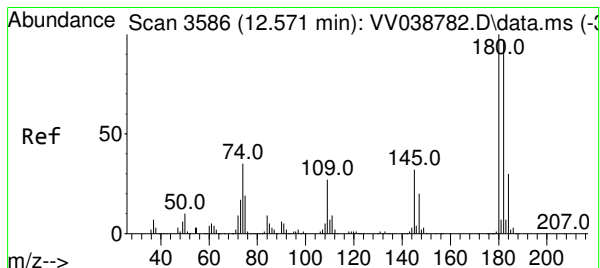
Reviewed By :John Carlone 06/16/2025
 Supervised By :Mahesh Dadoda 06/16/2025



#68
 1,2-Dibromo-3-chloropropane
 Concen: 2.549 ug/L
 RT: 12.365 min Scan# 3522
 Delta R.T. 0.013 min
 Lab File: VV038778.D
 Acq: 10 Jun 2025 13:26

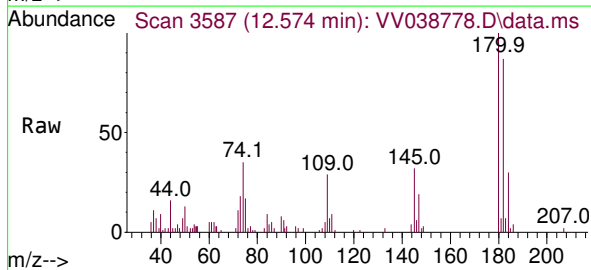
Tgt Ion:	75	Resp:	4597
Ion Ratio	Lower	Upper	
75	100		
155	76.3	66.8	100.2
157	108.5	83.4	125.2





#69
1,3,5-Trichlorobenzene
Concen: 2.287 ug/L
RT: 12.574 min Scan# 3586
Delta R.T. 0.003 min
Lab File: VV038778.D
Acq: 10 Jun 2025 13:26

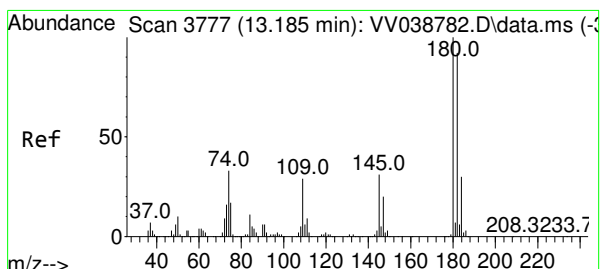
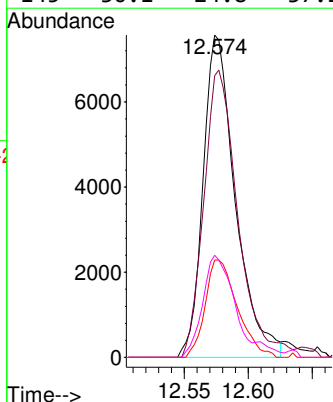
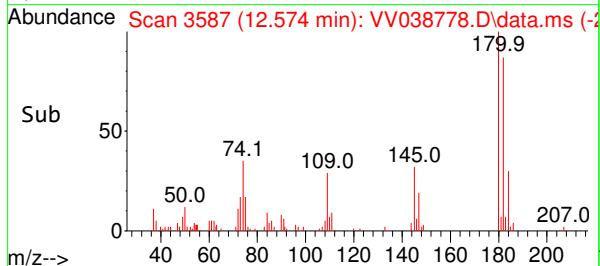
Instrument : MSVOA_V
ClientSampleId :
MDL-WATER-QT2-2025-03



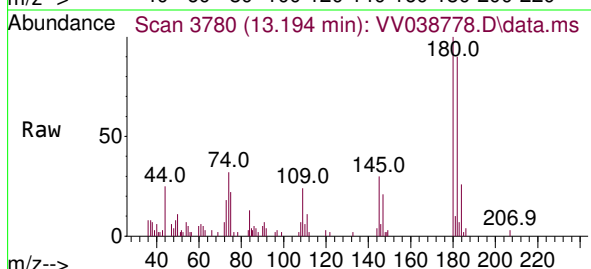
Tgt Ion:180 Resp: 1328
Ion Ratio Lower Upper
180 100
182 93.7 76.2 114.4
184 30.1 23.8 35.6
145 30.1 24.8 37.2

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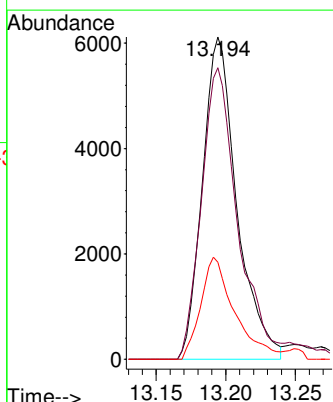
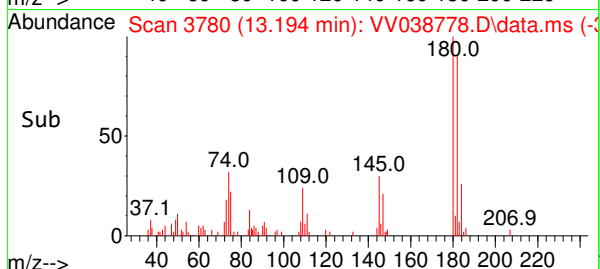
Reviewed By :John Carlone 06/16/2025
Supervised By :Mahesh Dadoda 06/16/2025

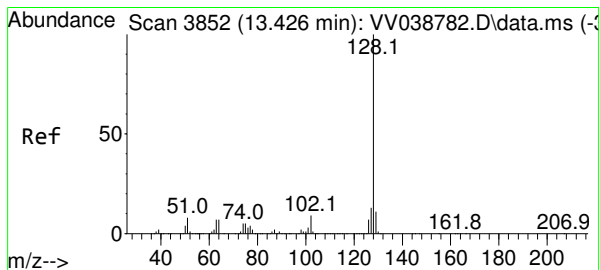


#70
1,2,4-trichlorobenzene
Concen: 2.116 ug/L
RT: 13.194 min Scan# 3780
Delta R.T. 0.007 min
Lab File: VV038778.D
Acq: 10 Jun 2025 13:26



Tgt Ion:180 Resp: 10511
Ion Ratio Lower Upper
180 100
182 94.8 76.2 114.2
145 31.3 24.7 37.1





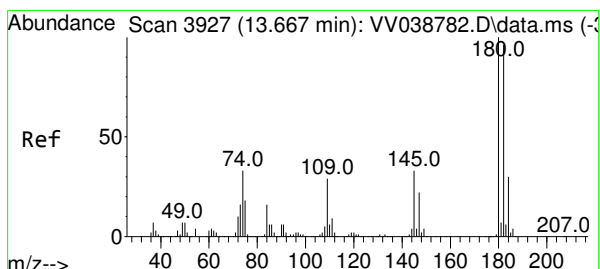
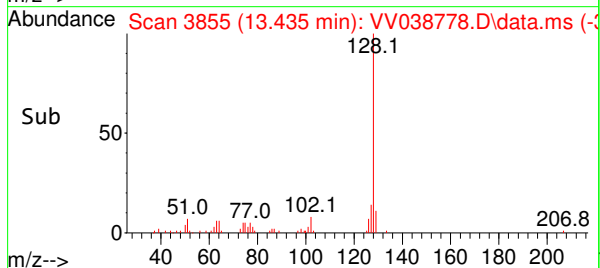
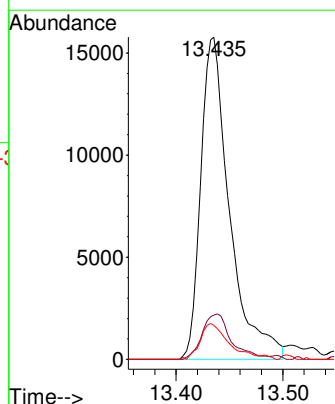
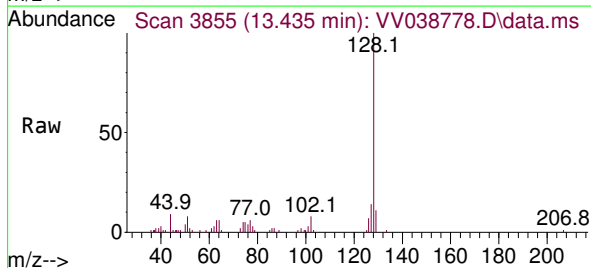
#71
Naphthalene
Concen: 1.677 ug/L
RT: 13.435 min Scan# 3855
Delta R.T. 0.010 min
Lab File: VV038778.D
Acq: 10 Jun 2025 13:26

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

Tgt Ion:	128	Resp:	2958
Ion	Ratio	Lower	Upper
128	100		
127	14.3	10.1	15.1
129	10.8	8.6	12.8

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Reviewed By :John Carlone 06/16/2025
Supervised By :Mahesh Dadoda 06/16/2025



#72
1,2,3-Trichlorobenzene
Concen: 1.960 ug/L
RT: 13.673 min Scan# 3929
Delta R.T. 0.007 min
Lab File: VV038778.D
Acq: 10 Jun 2025 13:26

Tgt Ion:	180	Resp:	10157
Ion	Ratio	Lower	Upper
180	100		
182	98.4	75.8	113.6
145	33.0	27.1	40.7

