

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VW111325\
 Data File : VW039381.D
 Acq On : 13 Nov 2025 14:33
 Operator : SY/MD
 Sample : Q3530-09
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL-WATER-03-QT4-2025

Quant Time: Nov 14 05:50:19 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V111125W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 14 05:49:16 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 11/14/2025
 Supervised By : Mahesh Dadoda 11/14/2025

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

Internal Standards						
1) Pentafluorobenzene	4.600	168	708199	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	5.532	114	1087999	50.000	ug/l	0.00
63) Chlorobenzene-d5	8.773	117	1038161	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.172	152	548631	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.941	65	472241	54.051	ug/l	0.00
Spiked Amount 50.000	Range 81 - 118		Recovery = 108.100%			
35) Dibromofluoromethane	4.503	113	409984	49.130	ug/l	0.00
Spiked Amount 50.000	Range 80 - 119		Recovery = 98.260%			
50) Toluene-d8	7.236	98	1172185	42.508	ug/l	0.00
Spiked Amount 50.000	Range 89 - 112		Recovery = 85.020%#			
62) 4-Bromofluorobenzene	10.001	95	426113	40.214	ug/l	0.00
Spiked Amount 50.000	Range 85 - 114		Recovery = 80.420%#			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.121	85	2662	0.630	ug/l	93
3) Chloromethane	1.230	50	2579	0.654	ug/l	92
4) Vinyl Chloride	1.298	62	3158	0.649	ug/l #	86
5) Bromomethane	1.497	94	2660	0.918	ug/l	92
6) Chloroethane	1.565	64	2325	0.647	ug/l #	68
7) Trichlorofluoromethane	1.725	101	6327	0.638	ug/l	85
8) Diethyl Ether	1.925	74	4119m	1.090	ug/l	
9) 1,1,2-Trichlorotrifluo...	2.085	101	4018	0.616	ug/l	94
10) Methyl Iodide	2.204	142	3483	0.868	ug/l #	76
11) Tert butyl alcohol	2.577	59	4700	5.022	ug/l #	85
12) 1,1-Dichloroethene	2.082	96	3375	0.655	ug/l	91
13) Acrolein	2.024	56	2142m	24.393	ug/l	
14) Allyl chloride	2.368	41	5119	0.557	ug/l #	65
15) Acrylonitrile	2.709	53	10430m	2.871	ug/l	
16) Acetone	2.124	43	21942	4.747	ug/l	92
17) Carbon Disulfide	2.253	76	6005	0.737	ug/l #	88
18) Methyl Acetate	2.404	43	5283m	0.427	ug/l	
19) Methyl tert-butyl Ether	2.716	73	11606	0.599	ug/l	91
20) Methylene Chloride	2.465	84	5357	0.751	ug/l #	81
21) trans-1,2-Dichloroethene	2.716	96	2860	0.559	ug/l #	90
22) Diisopropyl ether	3.224	45	9204	0.461	ug/l #	45
23) Vinyl Acetate	3.243	43	28947	2.054	ug/l	97
24) 1,1-Dichloroethane	3.130	63	8063	0.664	ug/l #	92
25) 2-Butanone	3.989	43	15632m	3.241	ug/l	
26) 2,2-Dichloropropane	3.815	77	7573m	0.742	ug/l	
27) cis-1,2-Dichloroethene	3.860	96	4614m	0.664	ug/l	
28) Bromochloromethane	4.185	49	3247m	0.612	ug/l	
29) Tetrahydrofuran	4.285	42	7267m	2.692	ug/l	
30) Chloroform	4.281	83	9269m	0.692	ug/l	
31) Cyclohexane	4.603	56	14829	1.952	ug/l #	17
32) 1,1,1-Trichloroethane	4.523	97	6033	0.538	ug/l #	25
36) 1,1-Dichloropropene	4.770	75	5014m	0.698	ug/l	
37) Ethyl Acetate	3.989	43	10515m	0.952	ug/l	
38) Carbon Tetrachloride	4.738	117	8649m	0.810	ug/l	
39) Methylcyclohexane	6.043	83	4348	0.568	ug/l #	78
40) Benzene	5.031	78	13117	0.522	ug/l	99

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 Quant Title : SW846 8260
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.262	41	2751m	0.698	ug/l	
42) 1,2-Dichloroethane	5.060	62	6758m	0.690	ug/l	
43) Isopropyl Acetate	5.252	43	6499m	0.442	ug/l	
44) Trichloroethene	5.860	130	4561m	0.669	ug/l	
45) 1,2-Dichloropropane	6.108	63	4262m	0.627	ug/l	
46) Dibromomethane	6.259	93	3856m	0.705	ug/l	
47) Bromodichloromethane	6.449	83	7406	0.625	ug/l #	92
48) Methyl methacrylate	6.400	41	3506m	0.512	ug/l	
49) 1,4-Dioxane	6.371	88	1886m	17.874	ug/l	
51) 4-Methyl-2-Pentanone	7.166	43	20581	2.047	ug/l #	85
52) Toluene	7.323	92	8448	0.536	ug/l	100
53) t-1,3-Dichloropropene	7.613	75	6167m	0.605	ug/l	
54) cis-1,3-Dichloropropene	6.979	75	6062m	0.560	ug/l	
55) 1,1,2-Trichloroethane	7.780	97	4829m	0.606	ug/l	
56) Ethyl methacrylate	7.767	69	5019m	0.521	ug/l	
57) 1,3-Dichloropropane	7.953	76	7204m	0.587	ug/l	
58) 2-Chloroethyl Vinyl ether	6.863	63	5417m	1.978	ug/l	
59) 2-Hexanone	8.108	43	11602m	1.614	ug/l	
60) Dibromochloromethane	8.178	129	5946	0.582	ug/l	93
61) 1,2-Dibromoethane	8.294	107	4400	0.566	ug/l	97
64) Tetrachloroethene	7.908	164	3995	0.623	ug/l	93
65) Chlorobenzene	8.809	112	11574	0.560	ug/l	90
66) 1,1,1,2-Tetrachloroethane	8.905	131	4918	0.570	ug/l #	64
67) Ethyl Benzene	8.950	91	14601	0.488	ug/l	99
68) m/p-Xylenes	9.079	106	10513	0.931	ug/l	84
69) o-Xylene	9.477	106	5145	0.482	ug/l	87
70) Styrene	9.519	104	7128m	0.373	ug/l	
71) Bromoform	9.670	173	5576	0.697	ug/l #	97
73) Isopropylbenzene	9.863	105	14198	0.530	ug/l	91
74) N-amyl acetate	9.760	43	5723m	0.545	ug/l	
75) 1,1,2,2-Tetrachloroethane	10.175	83	7505	0.643	ug/l	95
76) 1,2,3-Trichloropropane	10.207	75	6553m	0.770	ug/l	
77) Bromobenzene	10.153	156	5682	0.687	ug/l	84
78) n-propylbenzene	10.288	91	16321	0.532	ug/l	97
79) 2-Chlorotoluene	10.358	91	11351	0.578	ug/l	95
80) 1,3,5-Trimethylbenzene	10.471	105	11241	0.513	ug/l	95
81) trans-1,4-Dichloro-2-b...	9.934	75	1917m	0.603	ug/l	
82) 4-Chlorotoluene	10.484	91	9779	0.445	ug/l	93
83) tert-Butylbenzene	10.792	119	13311	0.553	ug/l	92
84) 1,2,4-Trimethylbenzene	10.850	105	10192	0.478	ug/l	89
85) sec-Butylbenzene	11.018	105	14443	0.506	ug/l	95
86) p-Isopropyltoluene	11.172	119	12780	0.519	ug/l #	75
87) 1,3-Dichlorobenzene	11.120	146	9319	0.588	ug/l	96
88) 1,4-Dichlorobenzene	11.194	146	11301m	0.654	ug/l	
89) n-Butylbenzene	11.590	91	11276	0.513	ug/l	91
90) Hexachloroethane	11.821	117	4213	0.686	ug/l	85
91) 1,2-Dichlorobenzene	11.583	146	9879	0.636	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	12.362	75	2514m	1.048	ug/l	
93) 1,2,4-Trichlorobenzene	13.201	180	5750	0.584	ug/l	90
94) Hexachlorobutadiene	13.368	225	4280	0.815	ug/l	94
95) Naphthalene	13.442	128	11770	0.446	ug/l #	94
96) 1,2,3-Trichlorobenzene	13.677	180	6059	0.596	ug/l	96

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MDL-WATER-03-QT4-2025

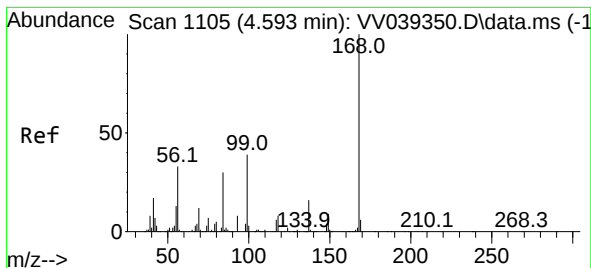
Manual Integrations
APPROVED

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Supervised By :Mahesh Dadoda 11/14/2025

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V111125W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 14 05:49:16 2025
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.600 min Scan# 1105

Delta R.T. 0.007 min

Lab File: VV039381.D

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Instrument :

MSVOA_V

ClientSampleId :

MDL-WATER-03-QT4-2025

Tgt Ion:168 Resp: 708199

Ion Ratio Lower Upper

168 100

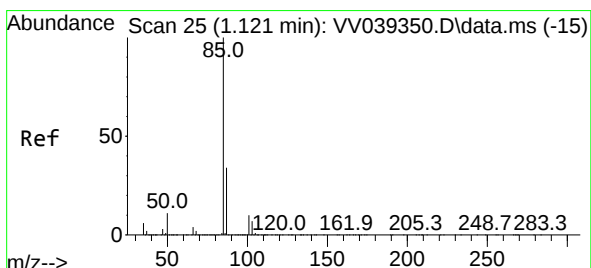
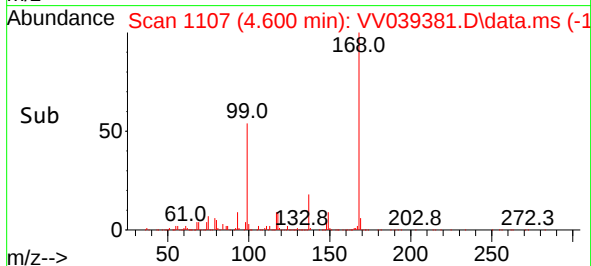
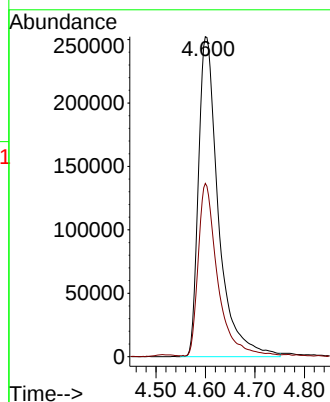
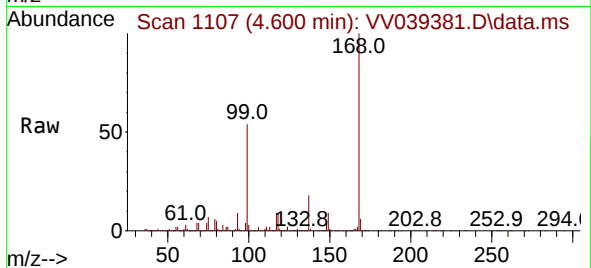
99 53.8 41.2 61.8

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#2

Dichlorodifluoromethane

Concen: 0.630 ug/l

RT: 1.121 min Scan# 25

Delta R.T. -0.000 min

Lab File: VV039381.D

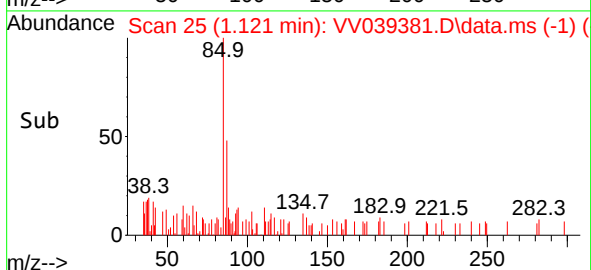
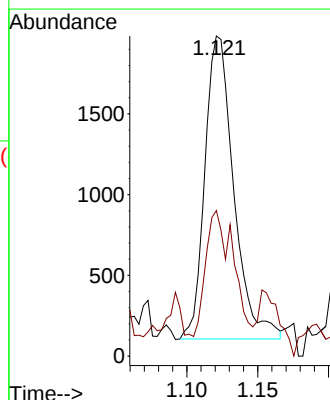
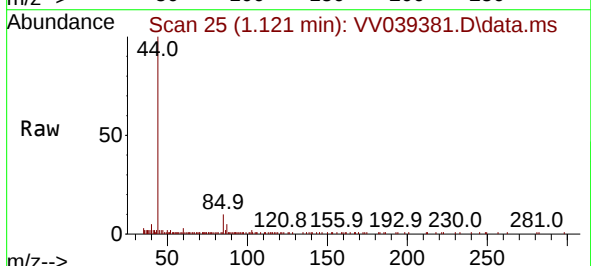
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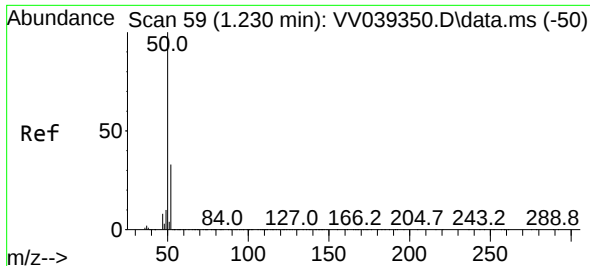
Tgt Ion: 85 Resp: 2662

Ion Ratio Lower Upper

85 100

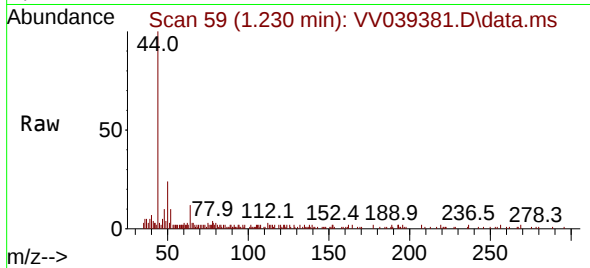
87 37.9 16.9 50.7





#3
Chloromethane
Concen: 0.654 ug/l
RT: 1.230 min Scan# 59
Delta R.T. 0.000 min
Lab File: VV039381.D
Acq: 13 Nov 2025 14:33

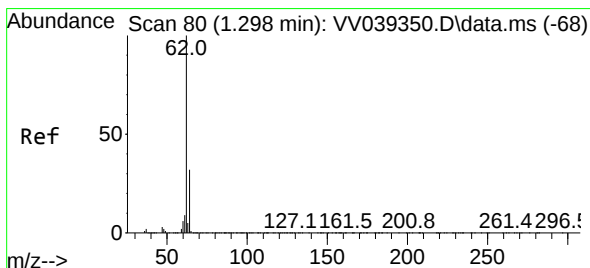
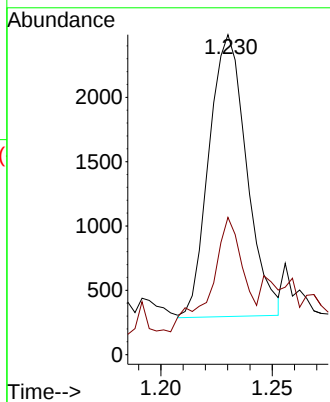
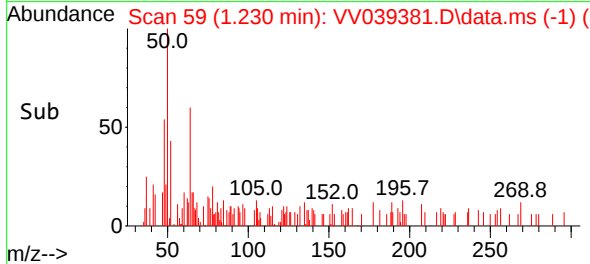
Instrument :
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ClientSampleId :
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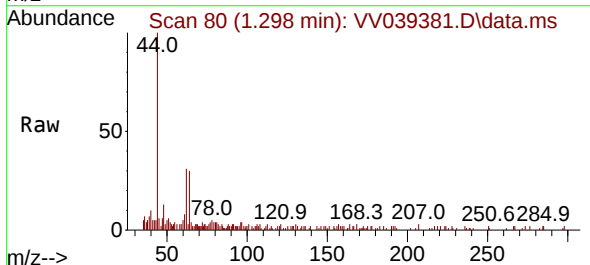
Tgt Ion: 50 Resp: 2579
Ion Ratio Lower Upper
50 100
52 37.8 26.6 39.8

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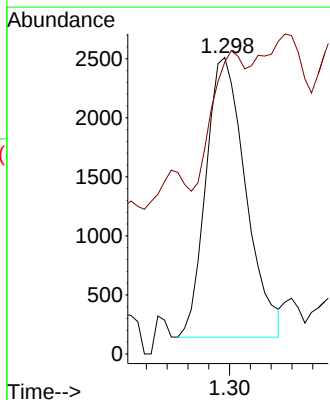
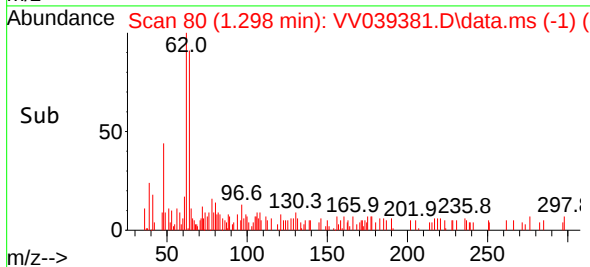
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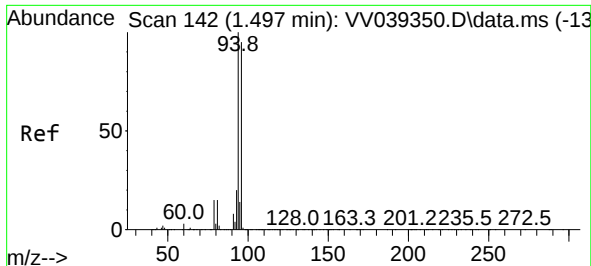


#4
Vinyl Chloride
Concen: 0.649 ug/l
RT: 1.298 min Scan# 80
Delta R.T. -0.000 min
Lab File: VV039381.D
Acq: 13 Nov 2025 14:33



Tgt Ion: 62 Resp: 3158
Ion Ratio Lower Upper
62 100
64 39.4 25.3 37.9#





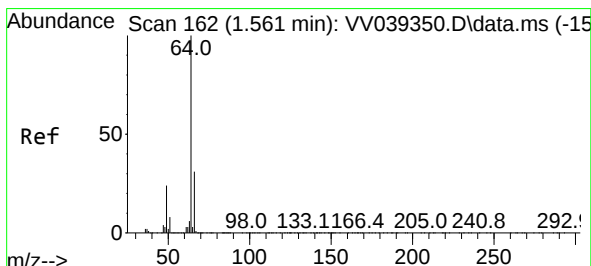
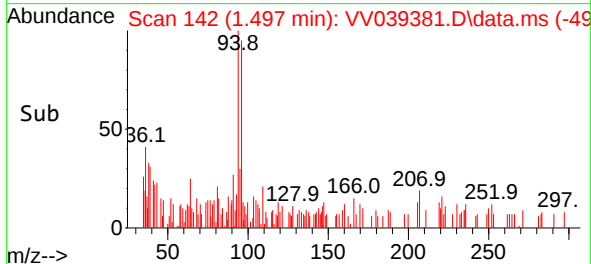
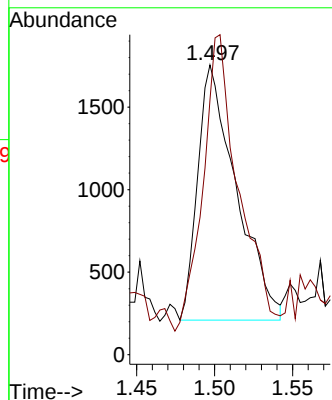
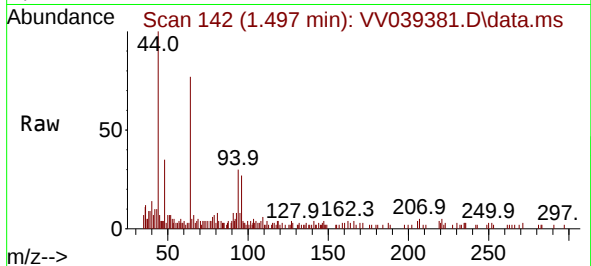
#5
Bromomethane
Concen: 0.918 ug/l
RT: 1.497 min Scan# 142
Delta R.T. 0.000 min
Lab File: VV039381.D
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Tgt Ion: 94 Resp: 2660
Ion Ratio Lower Upper
94 100
96 87.1 75.6 113.4

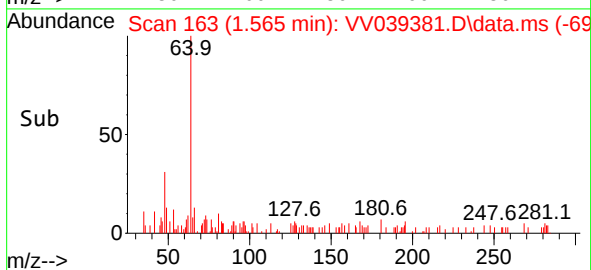
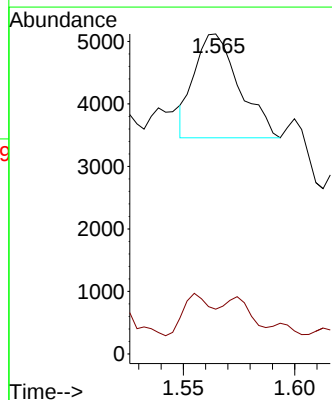
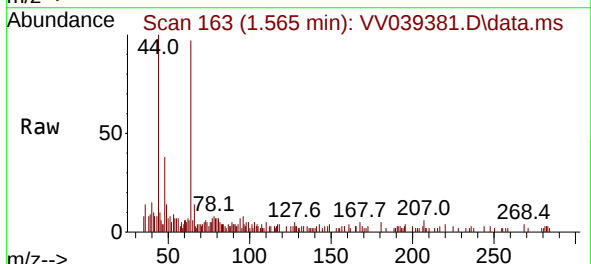
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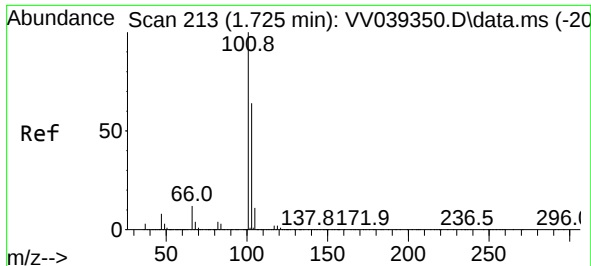
Reviewed By :John Carlone 11/14/2025
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#6
Chloroethane
Concen: 0.647 ug/l
RT: 1.565 min Scan# 163
Delta R.T. 0.004 min
Lab File: VV039381.D
Acq: 13 Nov 2025 14:33

Tgt Ion: 64 Resp: 2325
Ion Ratio Lower Upper
64 100
66 13.6 24.7 37.1#





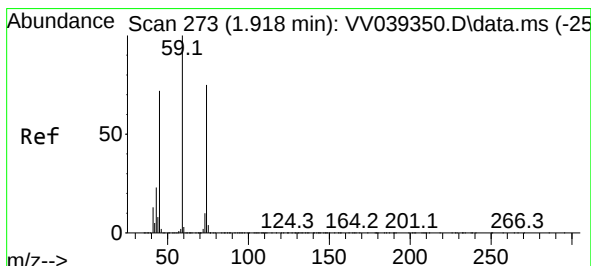
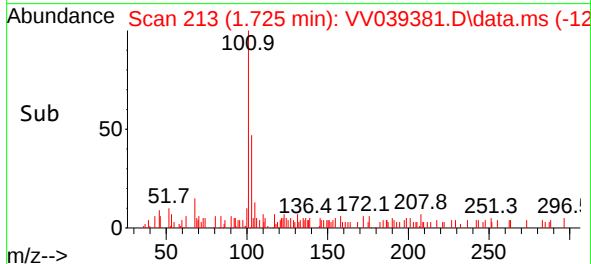
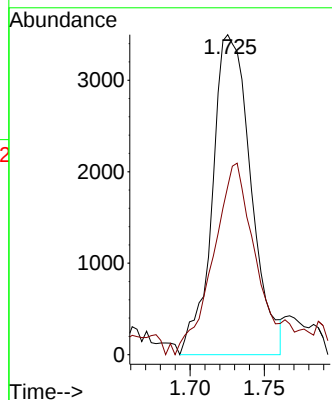
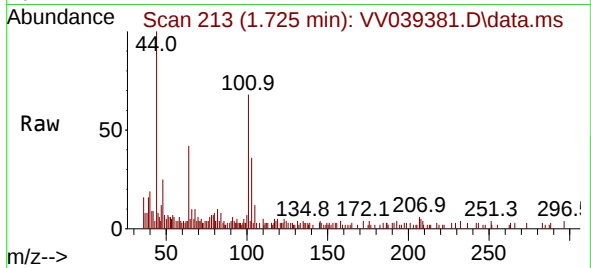
#7
Trichlorofluoromethane
Concen: 0.638 ug/l
RT: 1.725 min Scan# 213
Delta R.T. 0.000 min
Lab File: VV039381.D
Acq: 13 Nov 2025 14:33

Instrument : MSVOA_V
ClientSampleId : MDL-WATER-03-QT4-2025

Tgt Ion: 101 Resp: 632
Ion Ratio Lower Upper
101 100
103 52.0 50.9 76.3

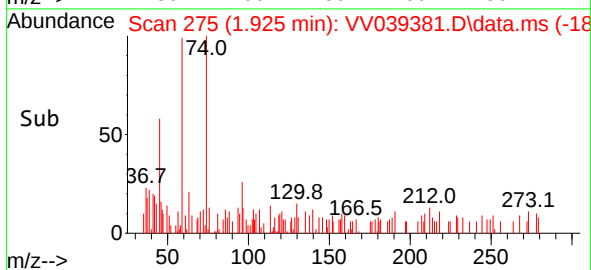
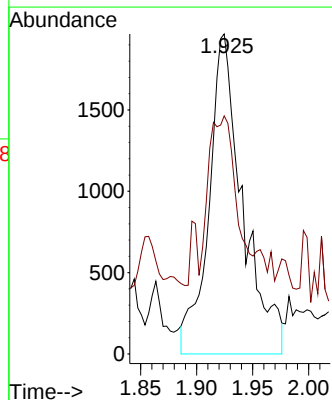
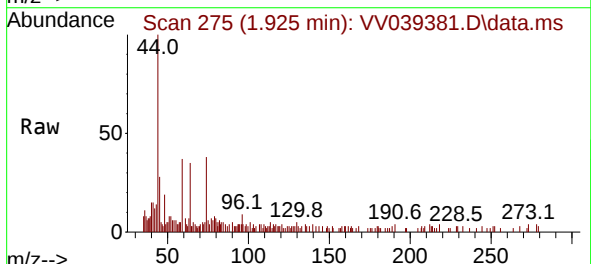
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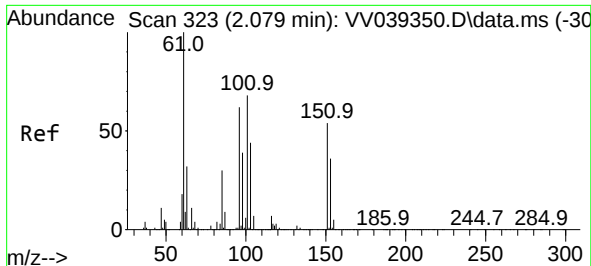
Reviewed By : John Carlone 11/14/2025
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#8
Diethyl Ether
Concen: 1.090 ug/l m
RT: 1.925 min Scan# 275
Delta R.T. 0.007 min
Lab File: VV039381.D
Acq: 13 Nov 2025 14:33

Tgt Ion: 74 Resp: 4119
Ion Ratio Lower Upper
74 100
45 6.0 50.6 151.8#





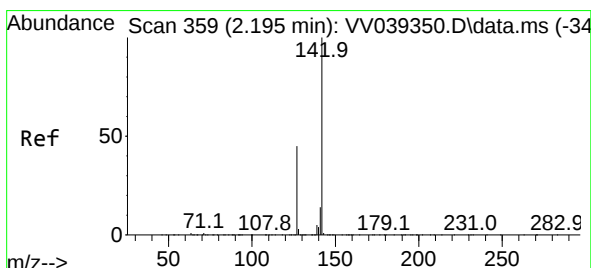
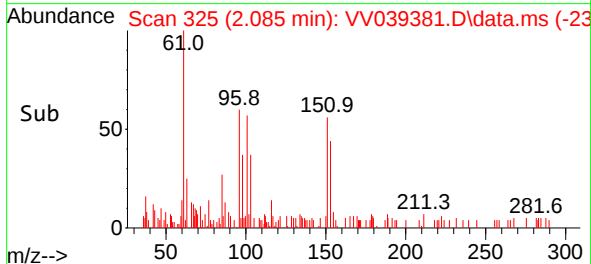
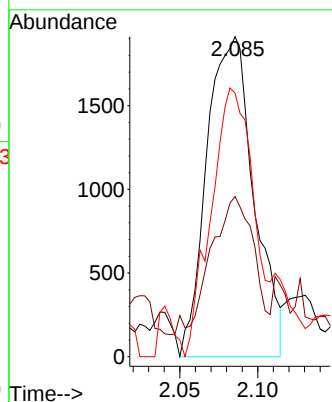
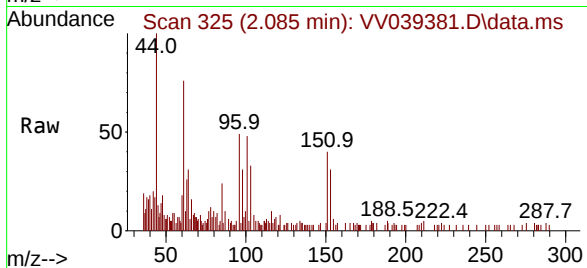
#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.616 ug/l
RT: 2.085 min Scan# 311
Delta R.T. 0.006 min
Lab File: VV039381.D
Acq: 13 Nov 2025 14:33

Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-03-QT4-2025

Tgt Ion:101 Resp: 4018
Ion Ratio Lower Upper
101 100
85 34.7 33.5 50.3
151 76.2 63.6 95.4

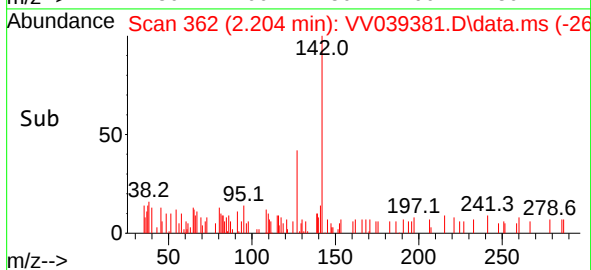
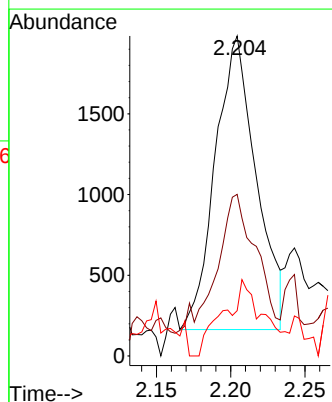
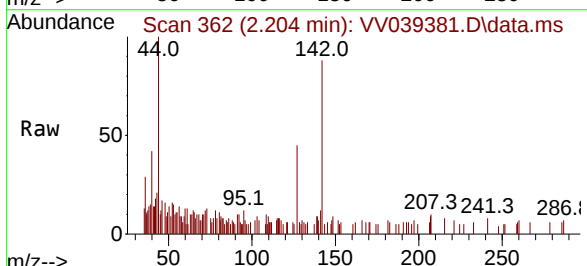
Manual Integrations
APPROVED

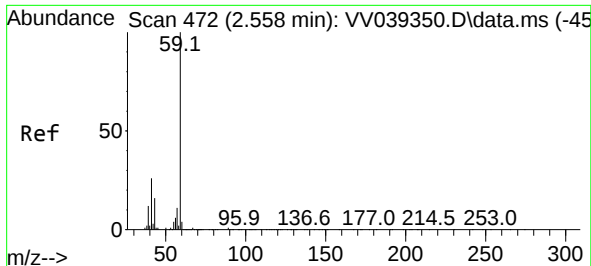
Reviewed By :John Carlone 11/14/2025
Supervised By :Mahesh Dadoda 11/14/2025



#10
Methyl Iodide
Concen: 0.868 ug/l
RT: 2.204 min Scan# 362
Delta R.T. 0.009 min
Lab File: VV039381.D
Acq: 13 Nov 2025 14:33

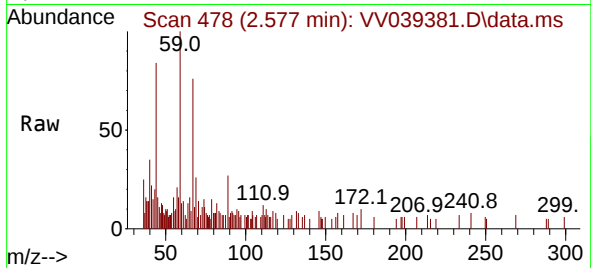
Tgt Ion:142 Resp: 3483
Ion Ratio Lower Upper
142 100
127 59.7 35.1 52.7#
141 24.6 11.9 17.9#





#11
Tert butyl alcohol
Concen: 5.022 ug/l
RT: 2.577 min Scan# 478
Delta R.T. 0.019 min
Lab File: VV039381.D
Acq: 13 Nov 2025 14:33

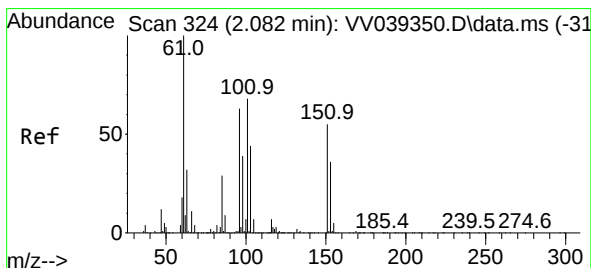
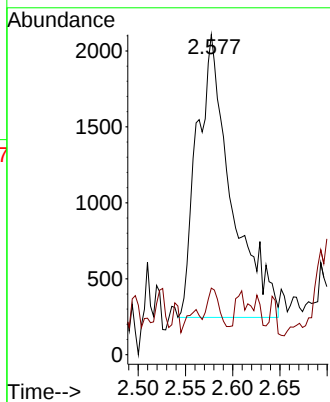
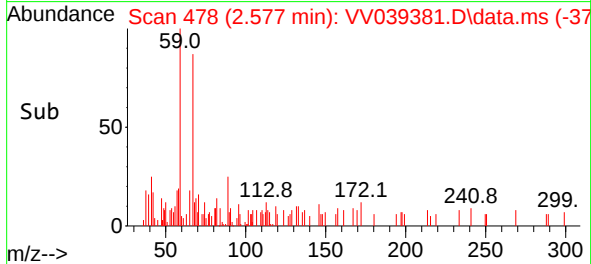
Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-03-QT4-2025



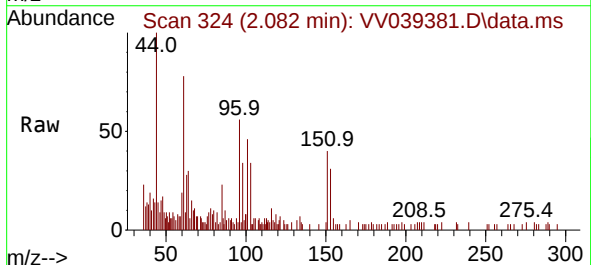
Tgt Ion: 59 Resp: 4700
Ion Ratio Lower Upper
59 100
57 4.4 8.0 12.0

Manual Integrations
APPROVED

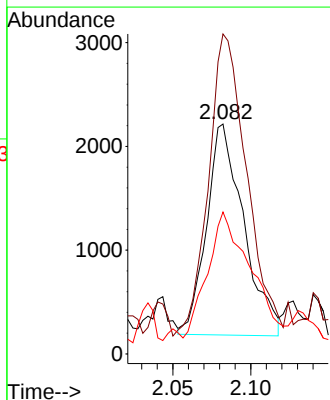
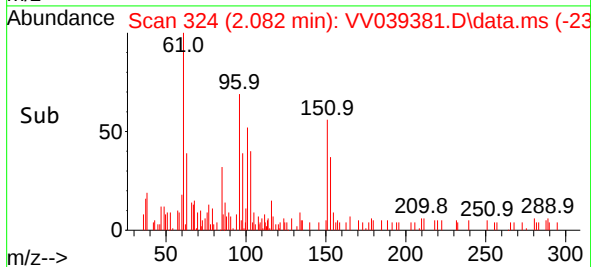
Reviewed By :John Carlone 11/14/2025
Supervised By :Mahesh Dadoda 11/14/2025

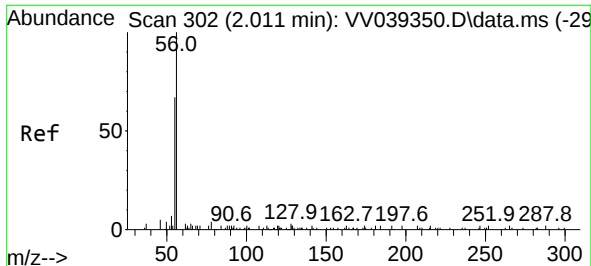


#12
1,1-Dichloroethene
Concen: 0.655 ug/l
RT: 2.082 min Scan# 324
Delta R.T. 0.000 min
Lab File: VV039381.D
Acq: 13 Nov 2025 14:33



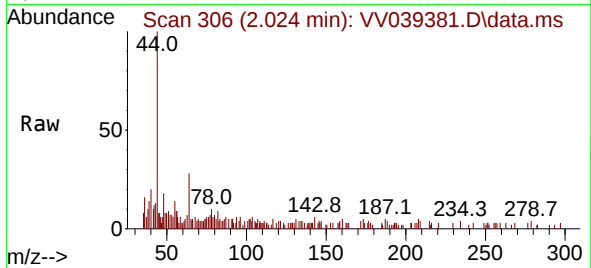
Tgt Ion: 96 Resp: 3375
Ion Ratio Lower Upper
96 100
61 144.9 127.8 191.6
98 59.0 50.2 75.2





#13
Acrolein
Concen: 24.393 ug/l m
RT: 2.024 min Scan# 306
Delta R.T. 0.013 min
Lab File: VV039381.D
Acq: 13 Nov 2025 14:33

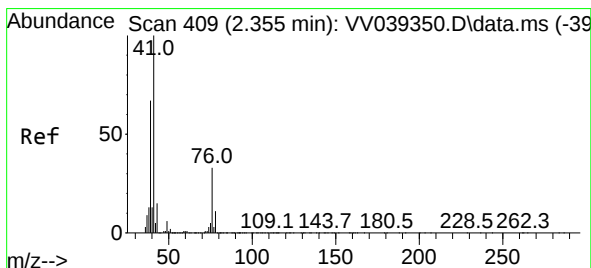
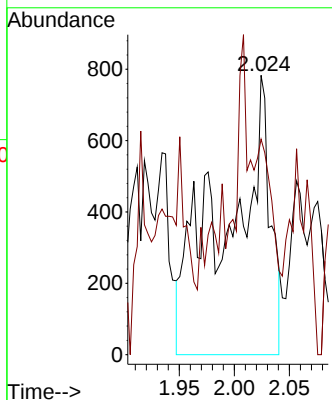
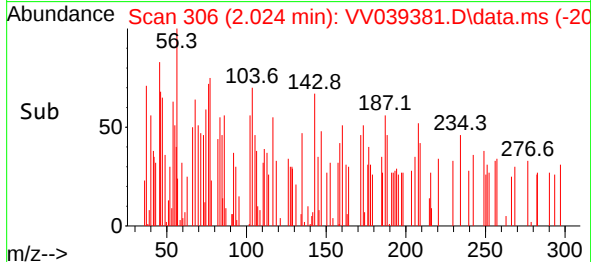
Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-03-QT4-2025



Tgt Ion: 56 Resp: 214
Ion Ratio Lower Upper
56 100
55 12.8 55.2 82.8

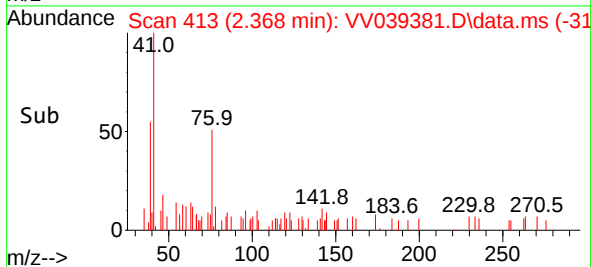
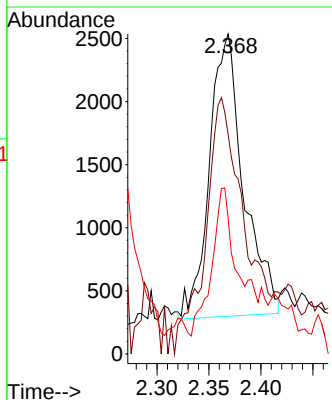
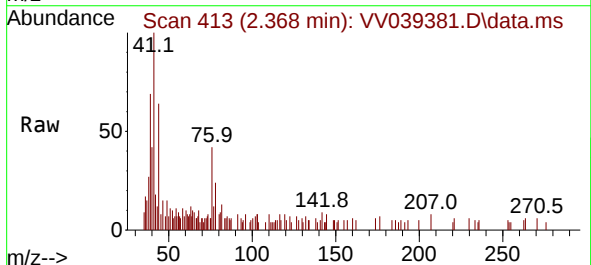
Manual Integrations
APPROVED

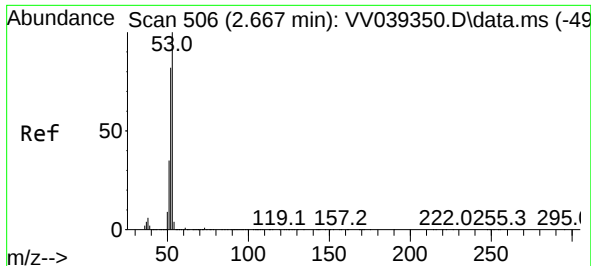
Reviewed By :John Carlone 11/14/2025
Supervised By :Mahesh Dadoda 11/14/2025



#14
Allyl chloride
Concen: 0.557 ug/l
RT: 2.368 min Scan# 413
Delta R.T. 0.013 min
Lab File: VV039381.D
Acq: 13 Nov 2025 14:33

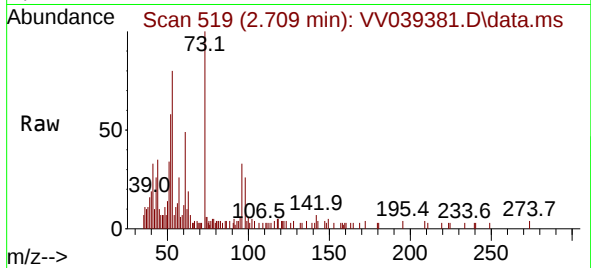
Tgt Ion: 41 Resp: 5119
Ion Ratio Lower Upper
41 100
39 104.2 50.7 76.1#
76 34.6 27.0 40.6





#15
Acrylonitrile
Concen: 2.871 ug/l m
RT: 2.709 min Scan# 519
Delta R.T. 0.042 min
Lab File: VV039381.D
Acq: 13 Nov 2025 14:33

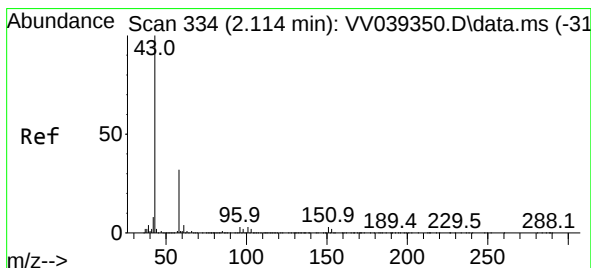
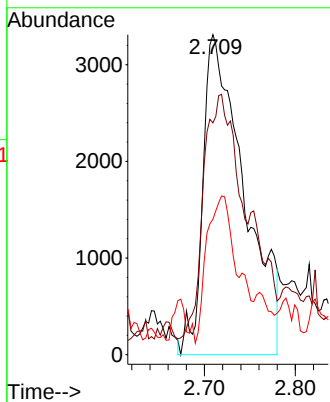
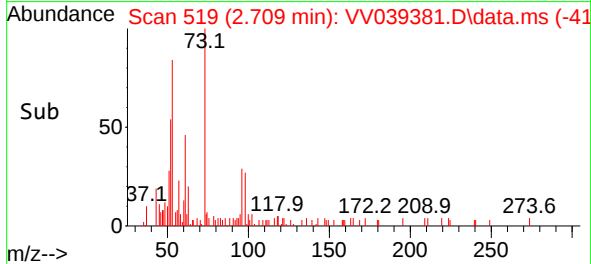
Instrument : MSVOA_V
ClientSampleId : MDL-WATER-03-QT4-2025



Tgt Ion: 53 Resp: 10430
Ion Ratio Lower Upper
53 100
52 0.0 65.2 97.8
51 0.0 28.4 42.6

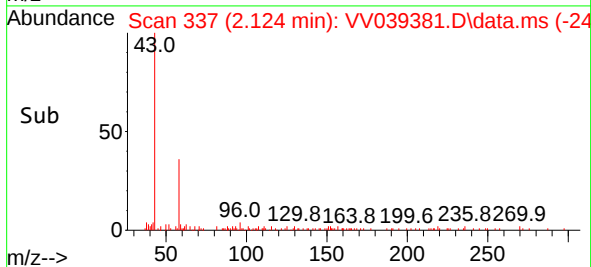
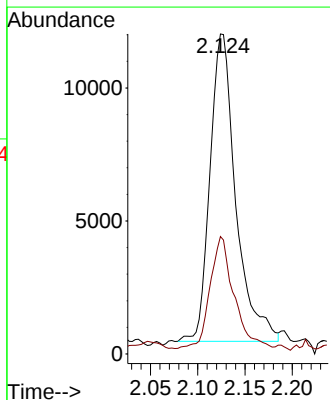
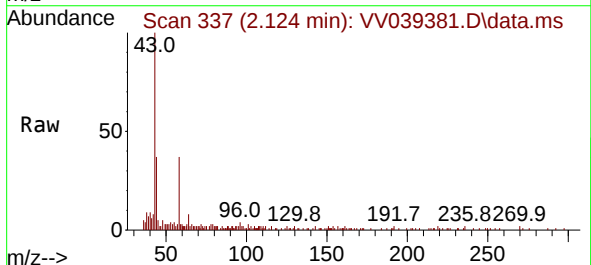
Manual Integrations
APPROVED

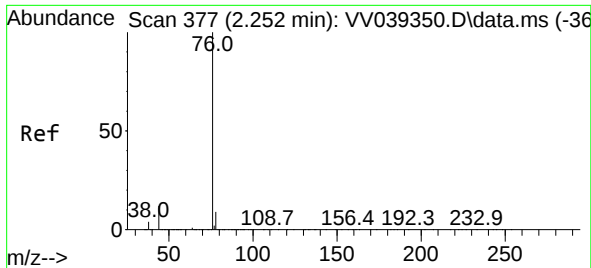
Reviewed By :John Carlone 11/14/2025
Supervised By :Mahesh Dadoda 11/14/2025



#16
Acetone
Concen: 4.747 ug/l
RT: 2.124 min Scan# 337
Delta R.T. 0.010 min
Lab File: VV039381.D
Acq: 13 Nov 2025 14:33

Tgt Ion: 43 Resp: 21942
Ion Ratio Lower Upper
43 100
58 36.4 25.5 38.3





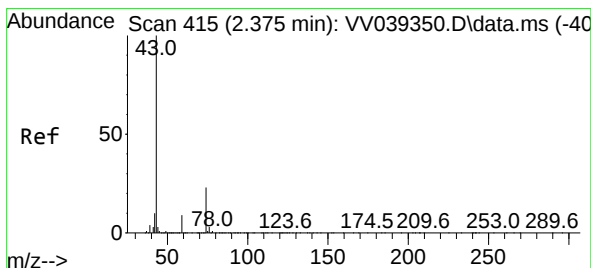
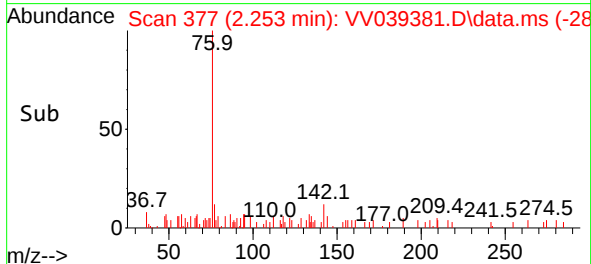
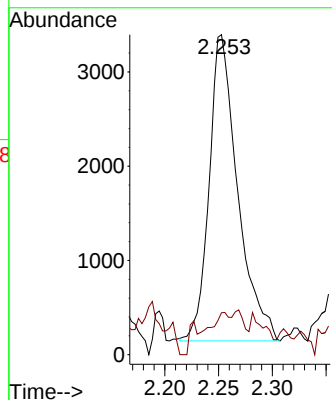
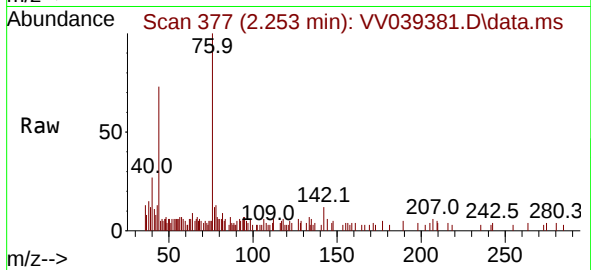
#17
Carbon Disulfide
Concen: 0.737 ug/l
RT: 2.253 min Scan# 31
Delta R.T. 0.001 min
Lab File: VV039381.D
Acq: 13 Nov 2025 14:33

Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-03-QT4-2025

Tgt Ion: 76 Resp: 600
Ion Ratio Lower Upper
76 100
78 13.7 7.4 11.0

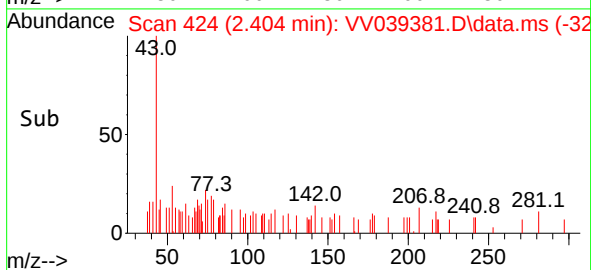
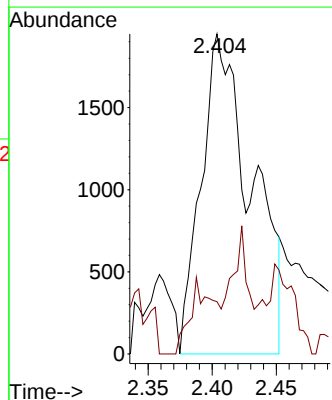
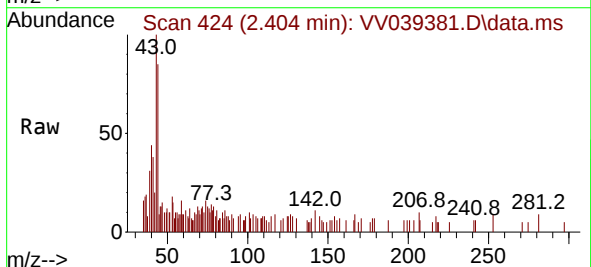
Manual Integrations
APPROVED

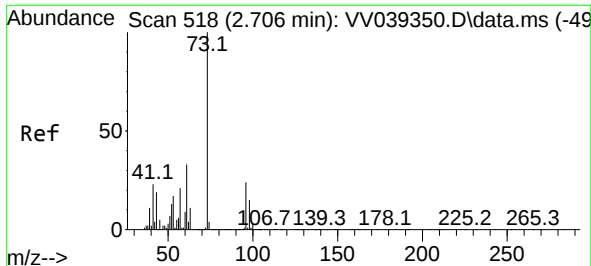
Reviewed By :John Carlone 11/14/2025
Supervised By :Mahesh Dadoda 11/14/2025



#18
Methyl Acetate
Concen: 0.427 ug/l m
RT: 2.404 min Scan# 424
Delta R.T. 0.029 min
Lab File: VV039381.D
Acq: 13 Nov 2025 14:33

Tgt Ion: 43 Resp: 5283
Ion Ratio Lower Upper
43 100
74 11.3 18.9 28.3





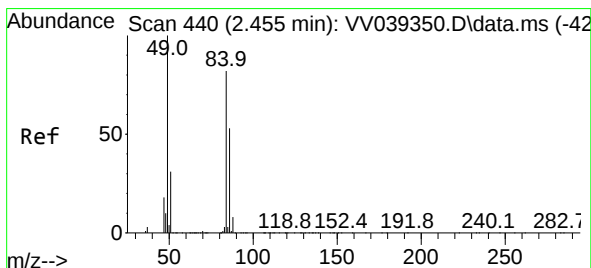
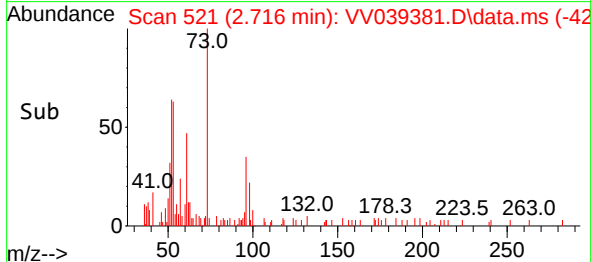
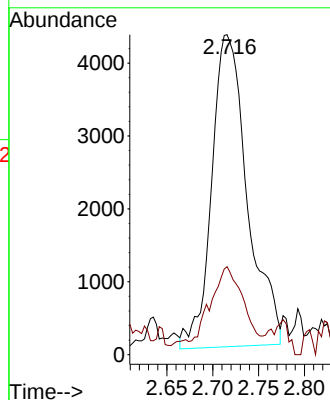
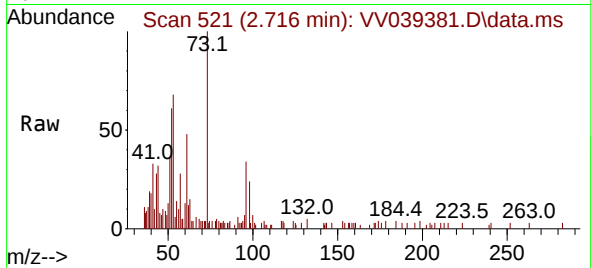
#19
Methyl tert-butyl Ether
Concen: 0.599 ug/l
RT: 2.716 min Scan# 518
Delta R.T. 0.010 min
Lab File: VV039381.D
Acq: 13 Nov 2025 14:33

Instrument : MSVOA_V
ClientSampleId : MDL-WATER-03-QT4-2025

Tgt Ion: 73 Resp: 11600
Ion Ratio Lower Upper
73 100
57 25.4 17.0 25.6

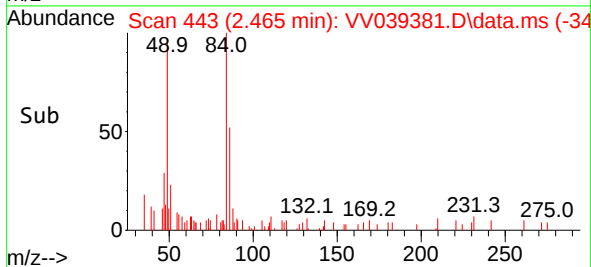
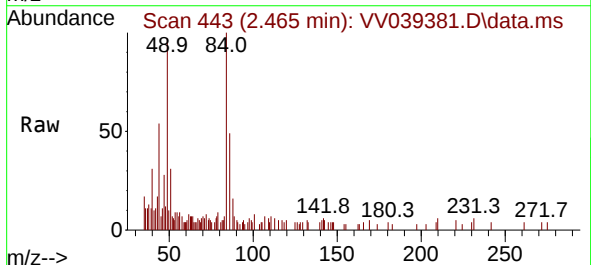
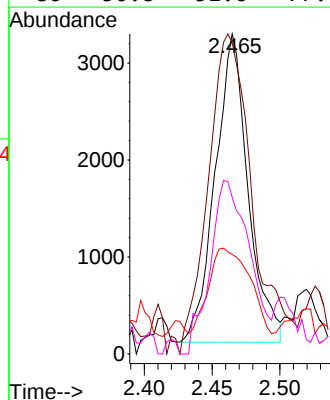
Manual Integrations
APPROVED

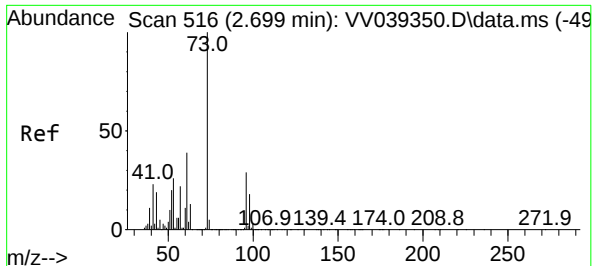
Reviewed By :John Carlone 11/14/2025
Supervised By :Mahesh Dadoda 11/14/2025



#20
Methylene Chloride
Concen: 0.751 ug/l
RT: 2.465 min Scan# 443
Delta R.T. 0.010 min
Lab File: VV039381.D
Acq: 13 Nov 2025 14:33

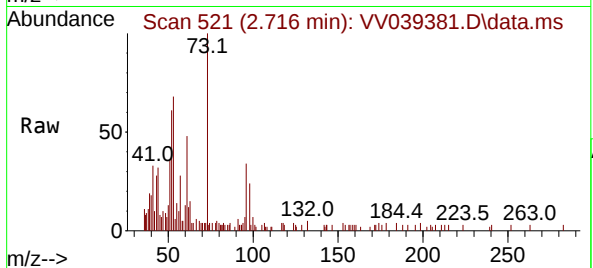
Tgt Ion: 84 Resp: 5357
Ion Ratio Lower Upper
84 100
49 101.0 97.8 146.8
51 23.4 30.2 45.4#
86 50.8 51.6 77.4#





#21
trans-1,2-Dichloroethene
Concen: 0.559 ug/l
RT: 2.716 min Scan# 516
Delta R.T. 0.017 min
Lab File: VV039381.D
Acq: 13 Nov 2025 14:33

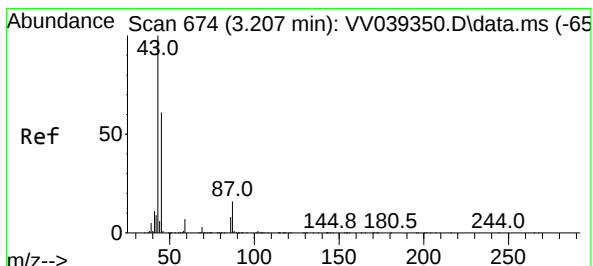
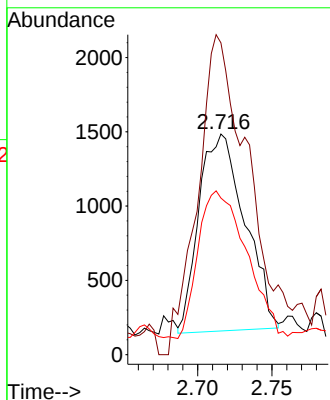
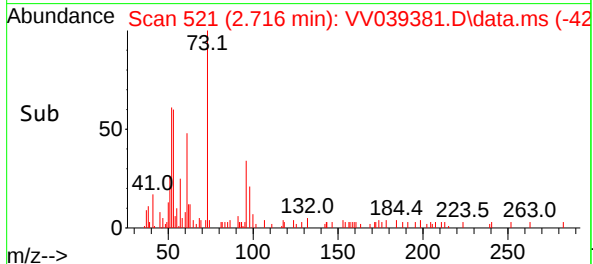
Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-03-QT4-2025



Tgt Ion: 96 Resp: 2860
Ion Ratio Lower Upper
96 100
61 140.1 108.9 163.3
98 83.2 51.7 77.5

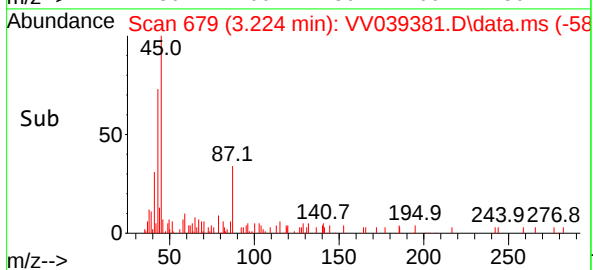
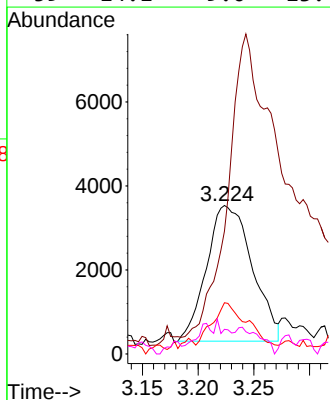
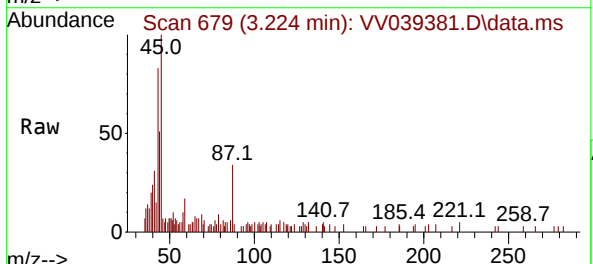
Manual Integrations
APPROVED

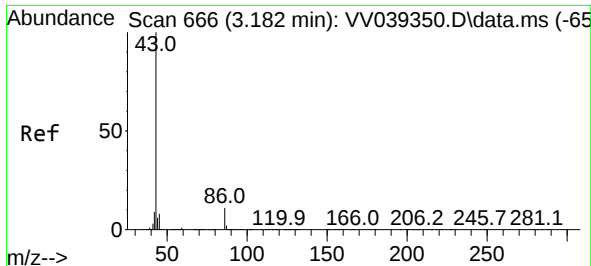
Reviewed By :John Carlone 11/14/2025
Supervised By :Mahesh Dadoda 11/14/2025



#22
Diisopropyl ether
Concen: 0.461 ug/l
RT: 3.224 min Scan# 679
Delta R.T. 0.017 min
Lab File: VV039381.D
Acq: 13 Nov 2025 14:33

Tgt Ion: 45 Resp: 9204
Ion Ratio Lower Upper
45 100
43 77.9 132.1 198.1#
87 33.8 21.8 32.6#
59 14.1 9.0 13.4#





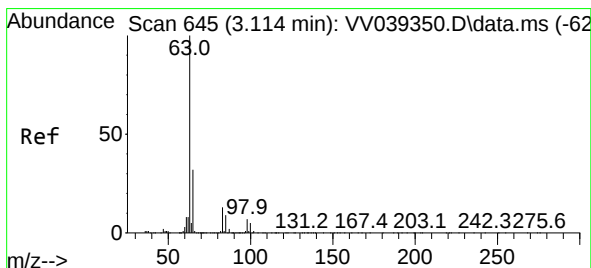
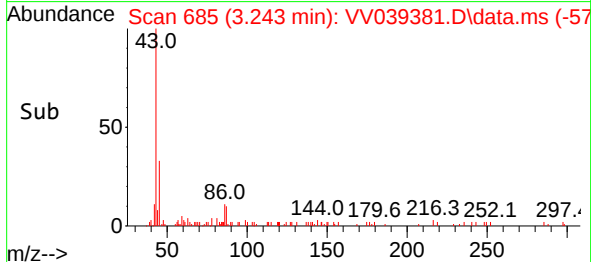
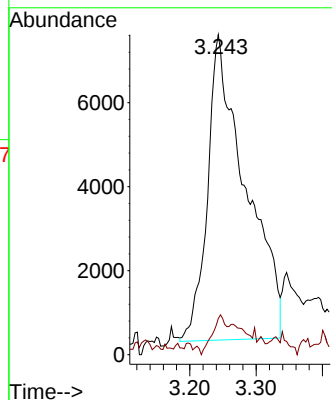
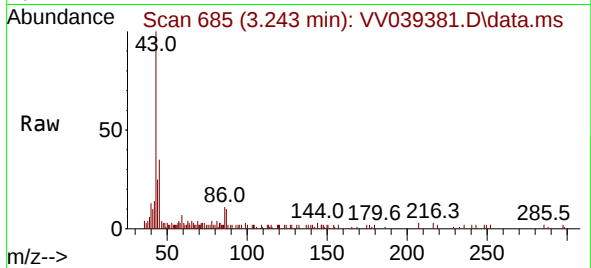
#23
 Vinyl Acetate
 Concen: 2.054 ug/l
 RT: 3.243 min Scan# 61
 Delta R.T. 0.061 min
 Lab File: VV039381.D
 Acq: 13 Nov 2025 14:33

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL-WATER-03-QT4-2025

Tgt Ion: 43 Resp: 2894
 Ion Ratio Lower Upper
 43 100
 86 9.7 8.6 12.8

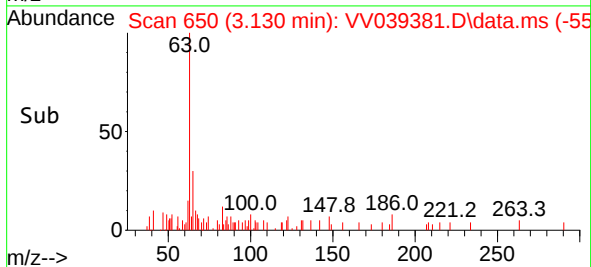
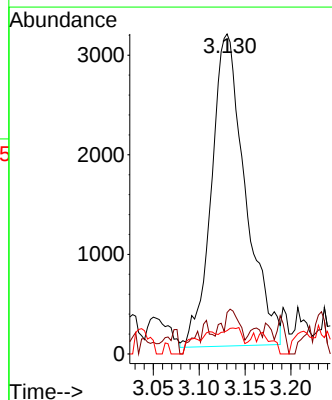
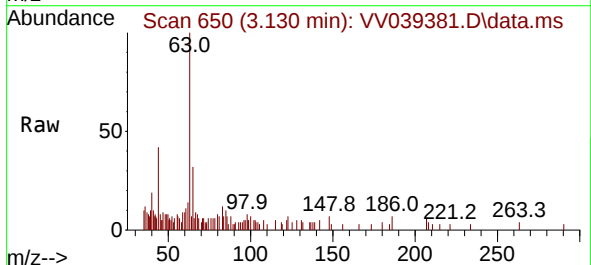
Manual Integrations
 APPROVED

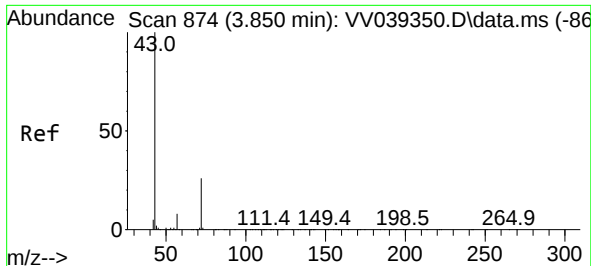
Reviewed By :John Carlone 11/14/2025
 Supervised By :Mahesh Dadoda 11/14/2025



#24
 1,1-Dichloroethane
 Concen: 0.664 ug/l
 RT: 3.130 min Scan# 650
 Delta R.T. 0.016 min
 Lab File: VV039381.D
 Acq: 13 Nov 2025 14:33

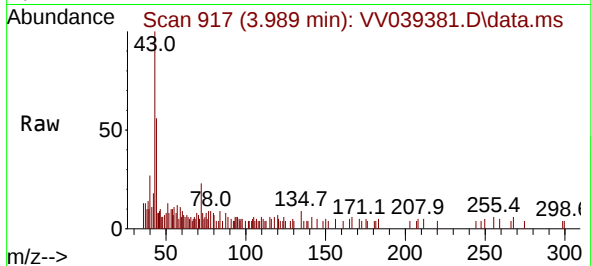
Tgt Ion: 63 Resp: 8063
 Ion Ratio Lower Upper
 63 100
 98 9.7 3.5 10.5
 100 7.6 2.3 6.9#





#25
2-Butanone
Concen: 3.241 ug/l m
RT: 3.989 min Scan# 917
Delta R.T. 0.139 min
Lab File: VV039381.D
Acq: 13 Nov 2025 14:33

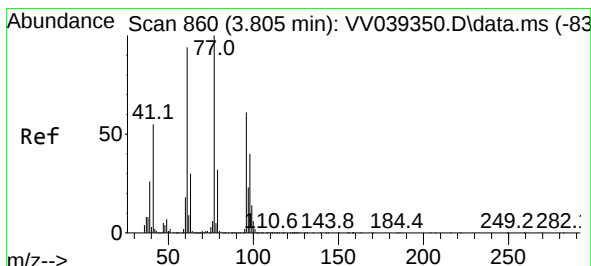
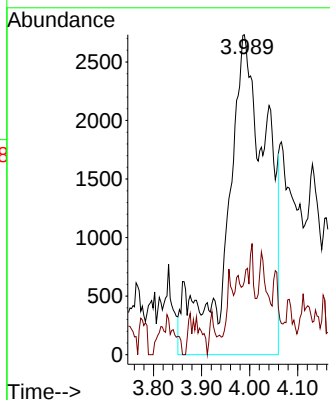
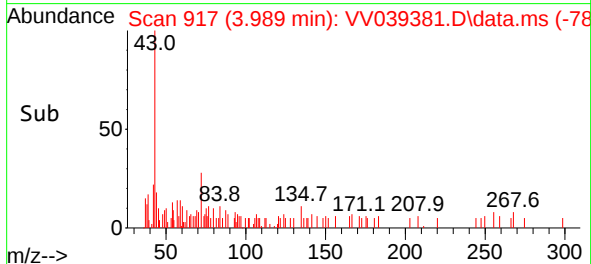
Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-03-QT4-2025



Tgt Ion: 43 Resp: 1563
Ion Ratio Lower Upper
43 100
72 22.9 20.5 30.7

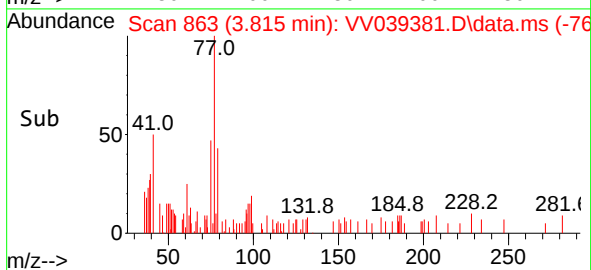
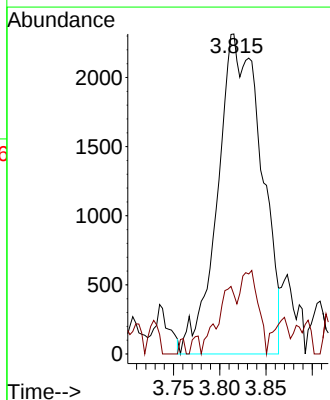
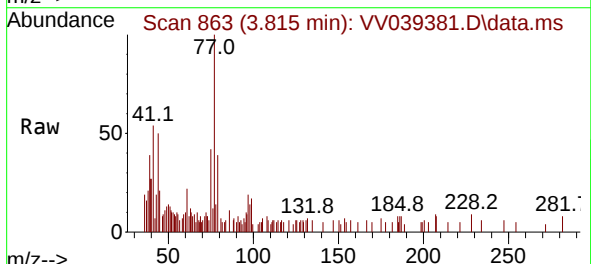
Manual Integrations
APPROVED

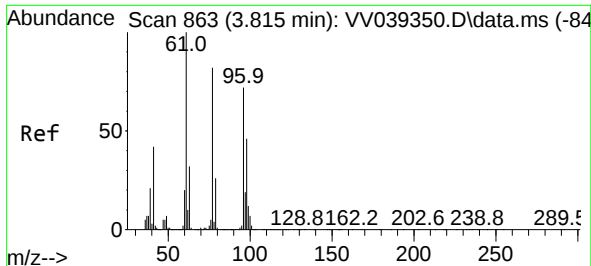
Reviewed By :John Carlone 11/14/2025
Supervised By :Mahesh Dadoda 11/14/2025



#26
2,2-Dichloropropane
Concen: 0.742 ug/l m
RT: 3.815 min Scan# 863
Delta R.T. 0.010 min
Lab File: VV039381.D
Acq: 13 Nov 2025 14:33

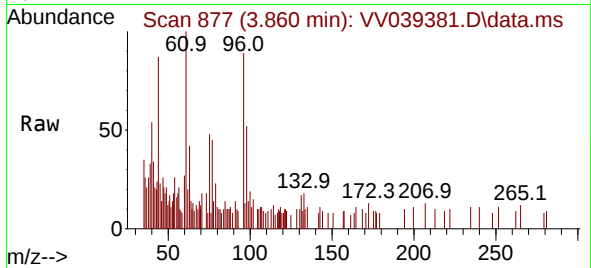
Tgt Ion: 77 Resp: 7573
Ion Ratio Lower Upper
77 100
97 9.2 11.3 33.8#





#27
 cis-1,2-Dichloroethene
 Concen: 0.664 ug/l m
 RT: 3.860 min Scan# 81
 Delta R.T. 0.045 min
 Lab File: VV039381.D
 Acq: 13 Nov 2025 14:33

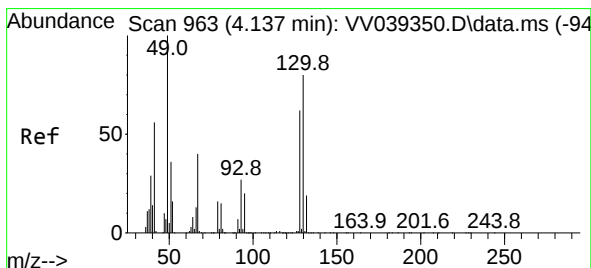
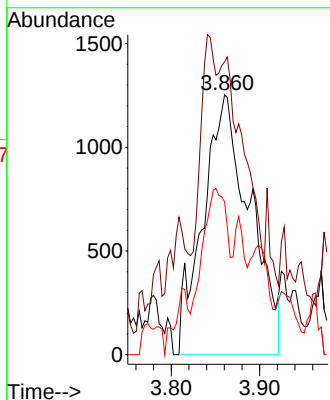
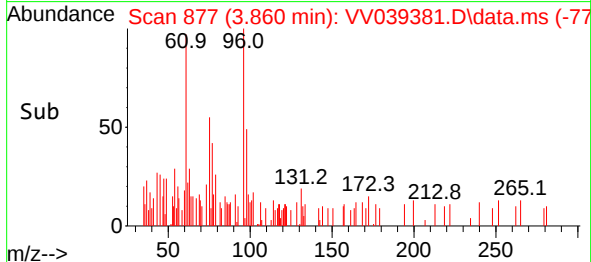
Instrument :
 MSVOA_V
 ClientSampleId :
 MDL-WATER-03-QT4-2025



Tgt Ion: 96 Resp: 4614
 Ion Ratio Lower Upper
 96 100
 61 25.7 0.0 287.8
 98 23.5 0.0 129.6

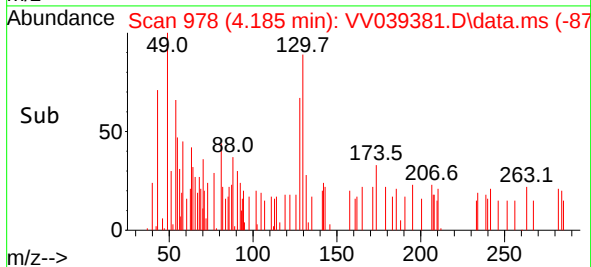
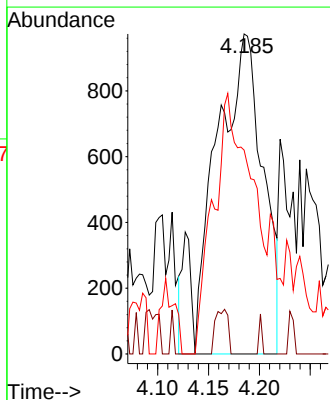
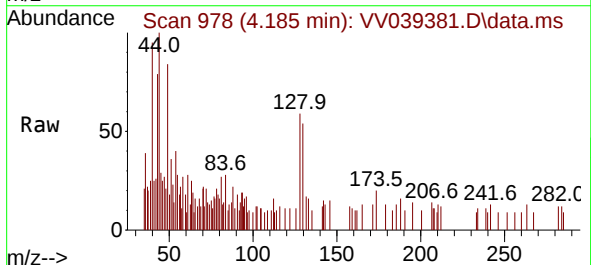
Manual Integrations
 APPROVED

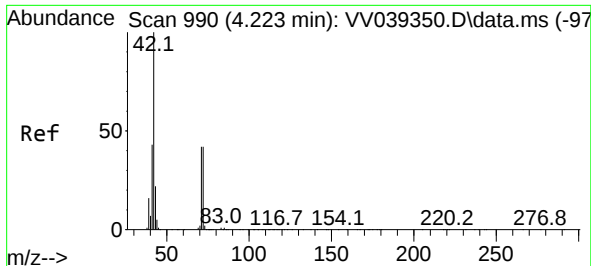
Reviewed By :John Carlone 11/14/2025
 Supervised By :Mahesh Dadoda 11/14/2025



#28
 Bromochloromethane
 Concen: 0.612 ug/l m
 RT: 4.185 min Scan# 978
 Delta R.T. 0.048 min
 Lab File: VV039381.D
 Acq: 13 Nov 2025 14:33

Tgt Ion: 49 Resp: 3247
 Ion Ratio Lower Upper
 49 100
 129 0.0 0.0 2.0
 130 0.0 67.9 101.9#





#29

Tetrahydrofuran

Concen: 2.692 ug/l m

RT: 4.285 min Scan# 1009

Delta R.T. 0.062 min

Lab File: VV039381.D

Acq: 13 Nov 2025 14:33

Instrument :

MSVOA_V

ClientSampleId :

MDL-WATER-03-QT4-2025

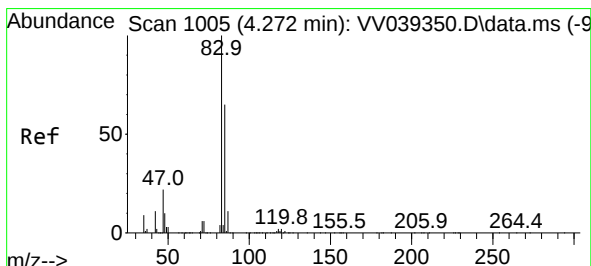
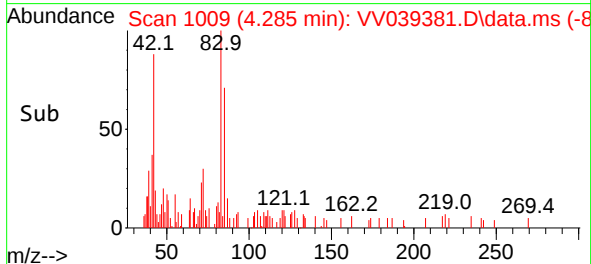
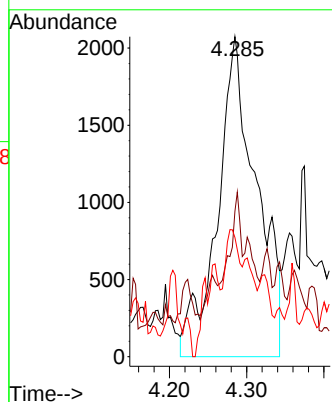
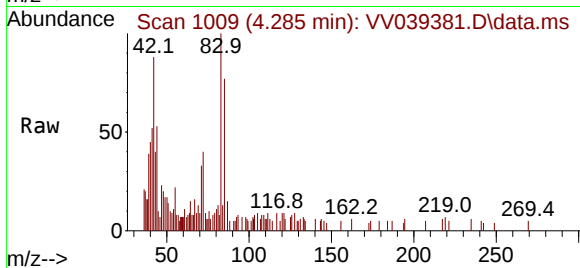
Tgt Ion:	42	Resp:	726
Ion Ratio	Lower	Upper	
42	100		
72	3.5	35.3	52.9
71	1.8	34.0	51.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/14/2025

Supervised By :Mahesh Dadoda 11/14/2025



#30

Chloroform

Concen: 0.692 ug/l m

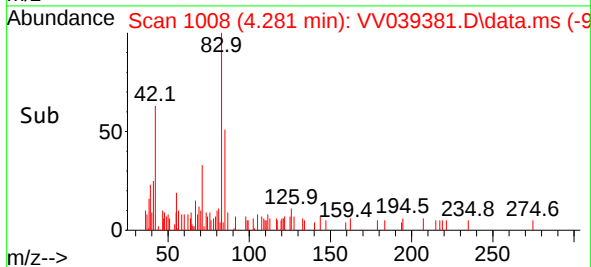
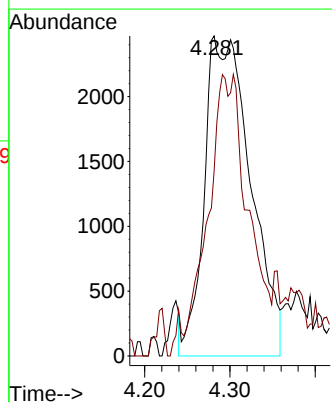
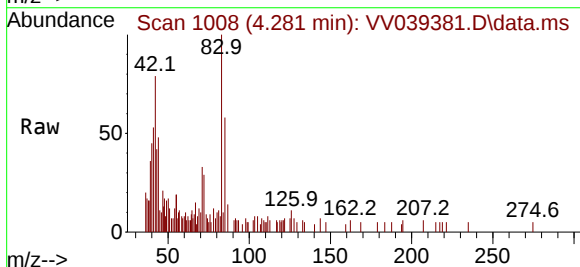
RT: 4.281 min Scan# 1008

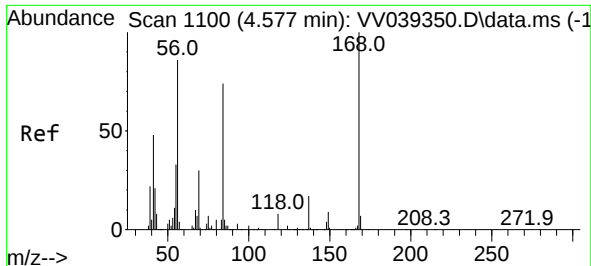
Delta R.T. 0.009 min

Lab File: VV039381.D

Acq: 13 Nov 2025 14:33

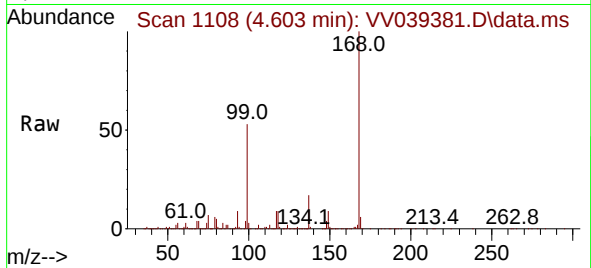
Tgt Ion:	83	Resp:	9269
Ion Ratio	Lower	Upper	
83	100		
85	57.8	51.8	77.8





#31
Cyclohexane
Concen: 1.952 ug/l
RT: 4.603 min Scan# 1108
Delta R.T. 0.026 min
Lab File: VV039381.D
Acq: 13 Nov 2025 14:33

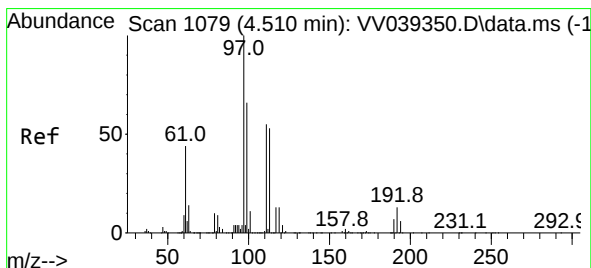
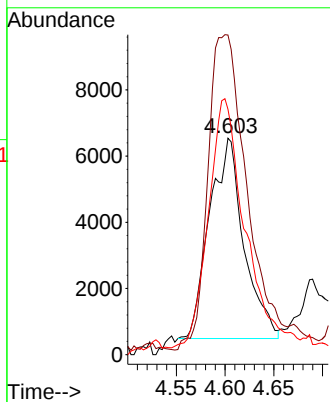
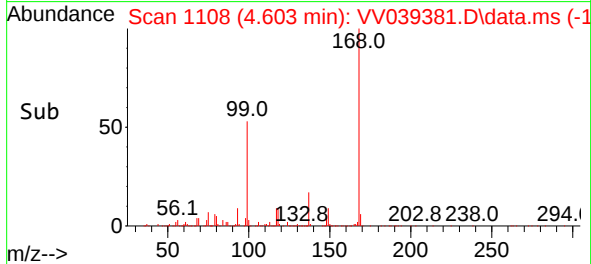
Instrument : MSVOA_V
ClientSampleId : MDL-WATER-03-QT4-2025



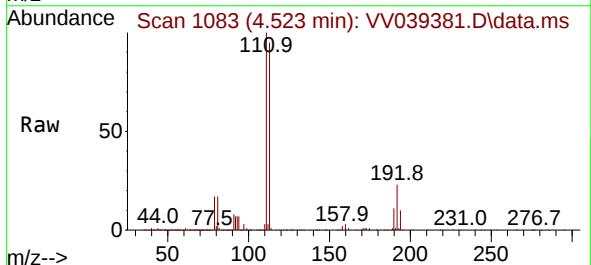
Tgt Ion: 56 Resp: 14829
Ion Ratio Lower Upper
56 100
69 153.7 27.7 41.5#
84 117.5 69.4 104.2#

Manual Integrations
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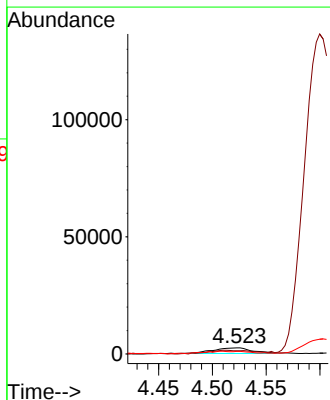
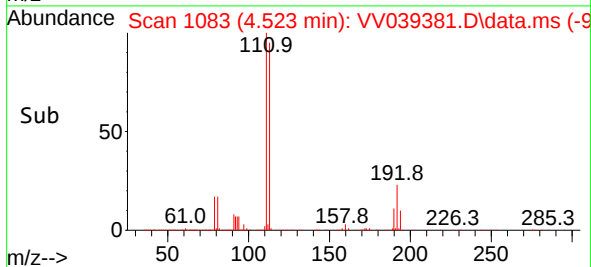
Reviewed By :John Carlone 11/14/2025
Supervised By :Mahesh Dadoda 11/14/2025

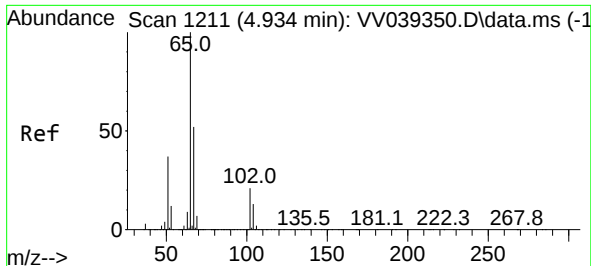


#32
1,1,1-Trichloroethane
Concen: 0.538 ug/l
RT: 4.523 min Scan# 1083
Delta R.T. 0.013 min
Lab File: VV039381.D
Acq: 13 Nov 2025 14:33



Tgt Ion: 97 Resp: 6033
Ion Ratio Lower Upper
97 100
99 0.0 49.9 74.9#
61 0.0 33.9 50.9#





#33

1,2-Dichloroethane-d4

Concen: 54.051 ug/l

RT: 4.941 min Scan# 1

Delta R.T. 0.007 min

Lab File: VV039381.D

Acq: 13 Nov 2025 14:33

Instrument :

MSVOA_V

ClientSampleId :

MDL-WATER-03-QT4-2025

Tgt Ion: 65 Resp: 47224

Ion Ratio Lower Upper

65 100

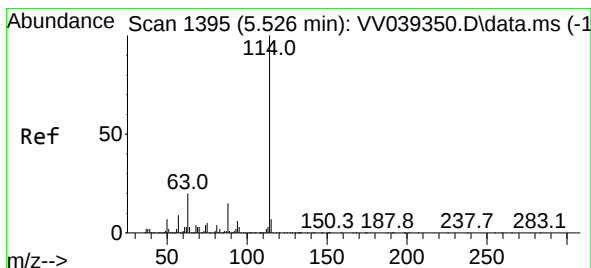
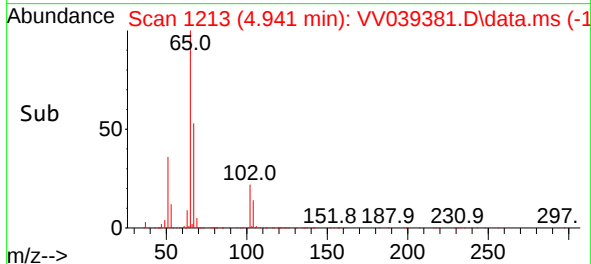
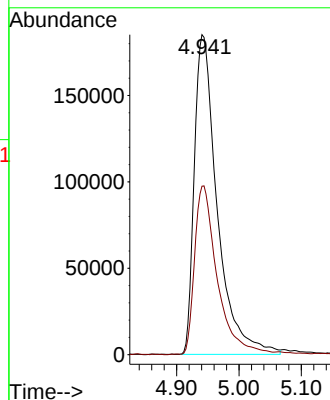
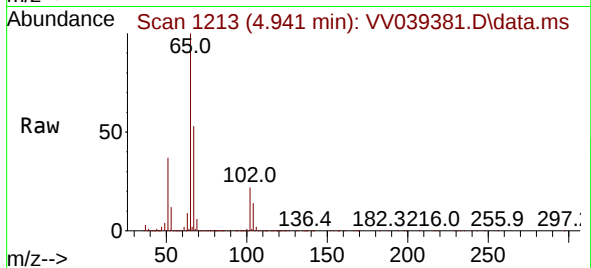
67 52.3 0.0 105.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/14/2025

Supervised By :Mahesh Dadoda 11/14/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.532 min Scan# 1397

Delta R.T. 0.006 min

Lab File: VV039381.D

Acq: 13 Nov 2025 14:33

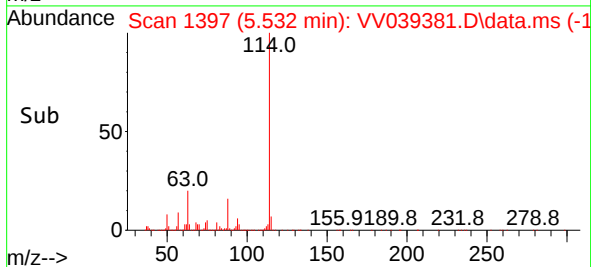
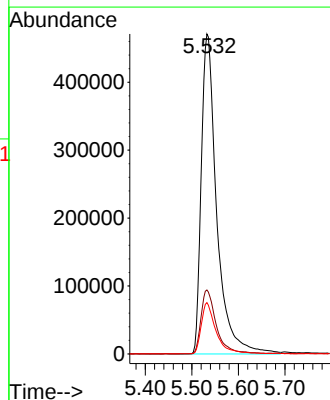
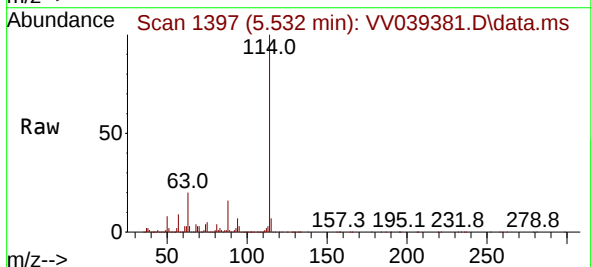
Tgt Ion:114 Resp: 1087999

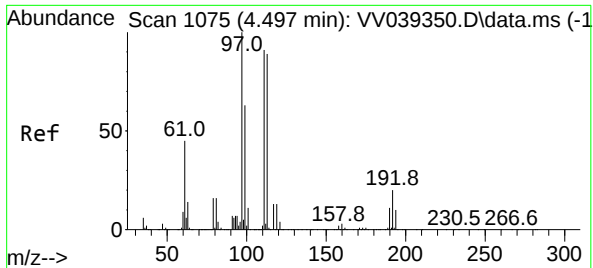
Ion Ratio Lower Upper

114 100

63 20.0 0.0 39.6

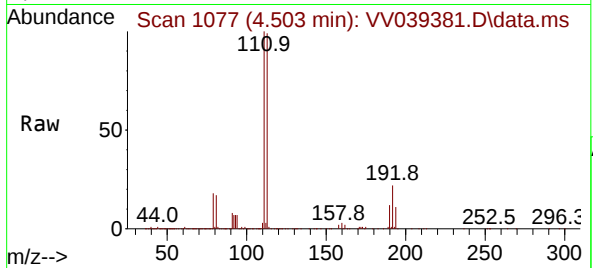
88 16.0 0.0 30.2





#35
Dibromofluoromethane
Concen: 49.130 ug/l
RT: 4.503 min Scan# 1107
Delta R.T. 0.007 min
Lab File: VV039381.D
Acq: 13 Nov 2025 14:33

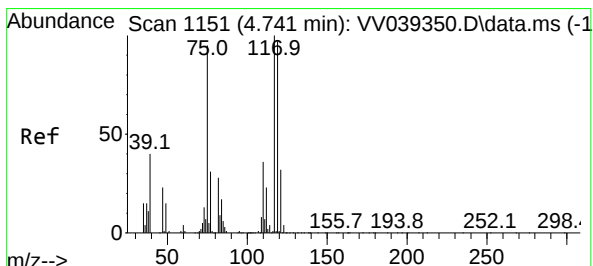
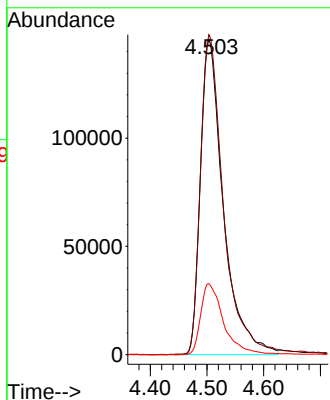
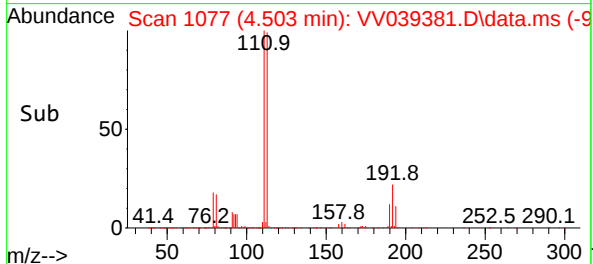
Instrument : MSVOA_V
ClientSampleId : MDL-WATER-03-QT4-2025



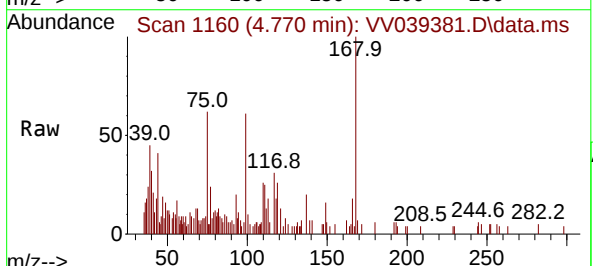
Tgt Ion: 113 Resp: 409984
Ion Ratio Lower Upper
113 100
111 101.3 82.6 124.0
192 22.3 17.8 26.8

Manual Integrations
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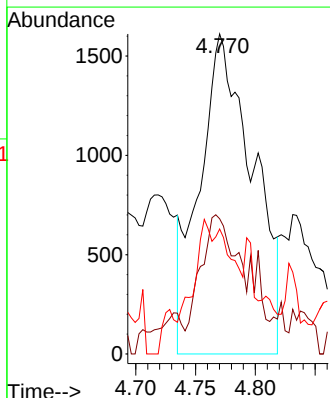
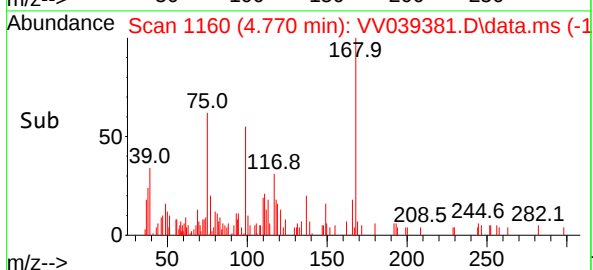
Reviewed By :John Carlone 11/14/2025
Supervised By :Mahesh Dadoda 11/14/2025

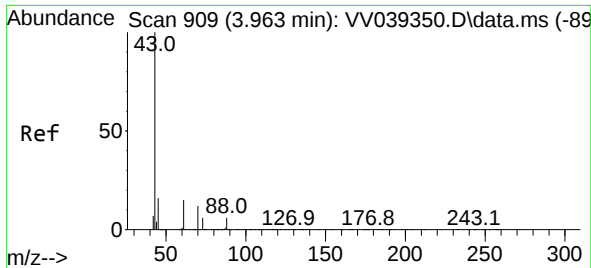


#36
1,1-Dichloropropene
Concen: 0.698 ug/l m
RT: 4.770 min Scan# 1160
Delta R.T. 0.029 min
Lab File: VV039381.D
Acq: 13 Nov 2025 14:33



Tgt Ion: 75 Resp: 5014
Ion Ratio Lower Upper
75 100
110 23.0 18.1 54.4
77 9.6 24.0 36.0#





#37

Ethyl Acetate

Concen: 0.952 ug/l m

RT: 3.989 min Scan# 917

Delta R.T. 0.026 min

Lab File: VV039381.D

Acq: 13 Nov 2025 14:33

Instrument :

MSVOA_V

ClientSampleId :

MDL-WATER-03-QT4-2025

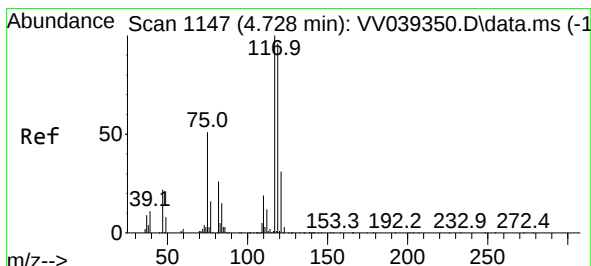
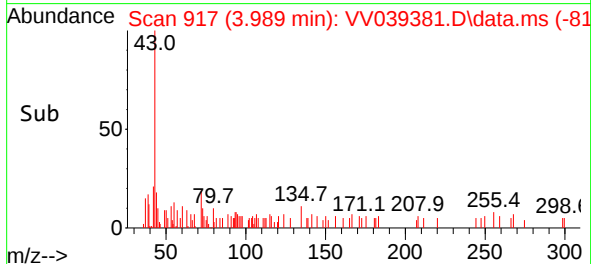
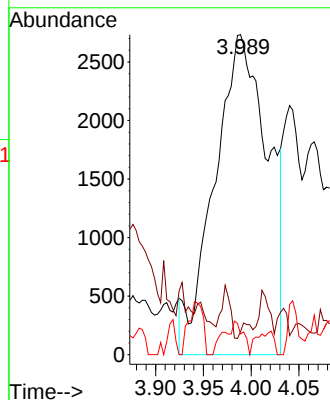
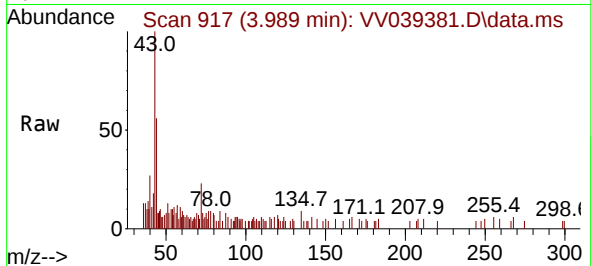
Tgt Ion: 43	Resp: 1051
Ion Ratio	Lower Upper
43	100
61	0.9 9.3 13.9
70	3.8 7.0 10.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/14/2025

Supervised By :Mahesh Dadoda 11/14/2025



#38

Carbon Tetrachloride

Concen: 0.810 ug/l m

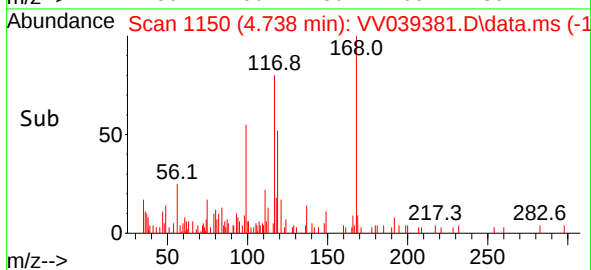
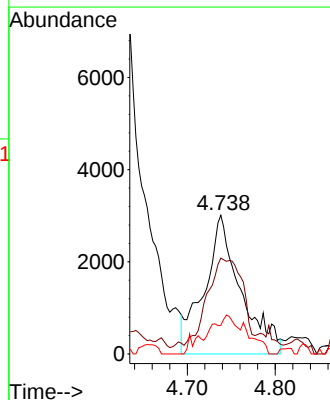
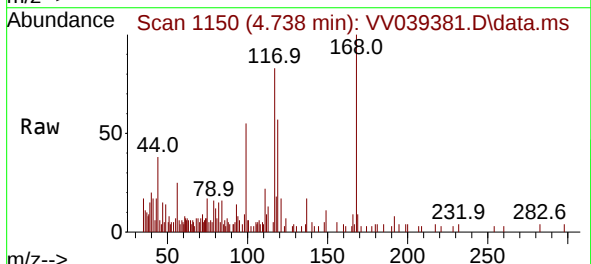
RT: 4.738 min Scan# 1150

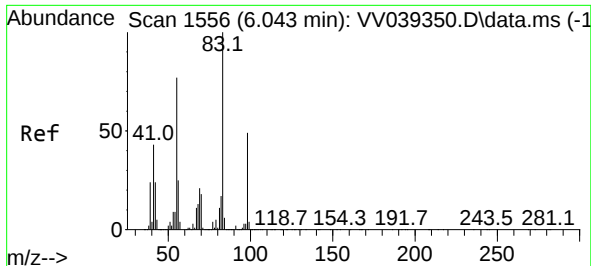
Delta R.T. 0.010 min

Lab File: VV039381.D

Acq: 13 Nov 2025 14:33

Tgt Ion: 117	Resp: 8649
Ion Ratio	Lower Upper
117	100
119	69.0 76.1 114.1#
121	20.7 25.0 37.4#





#39

Methylcyclohexane

Concen: 0.568 ug/l

RT: 6.043 min Scan# 1

Delta R.T. 0.000 min

Lab File: VV039381.D

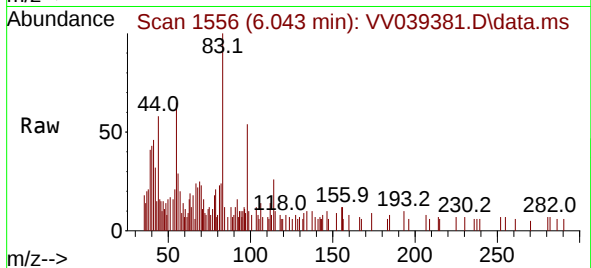
Acq: 13 Nov 2025 14:33

Instrument :

MSVOA_V

ClientSampleId :

MDL-WATER-03-QT4-2025



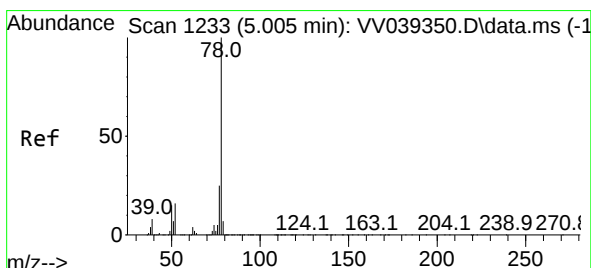
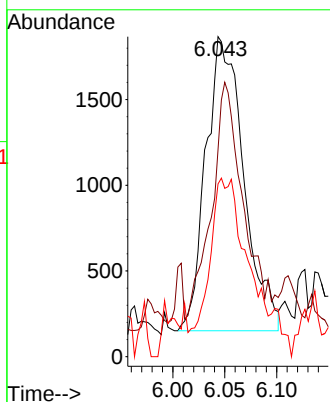
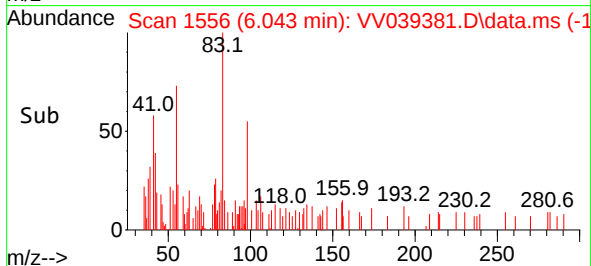
Tgt Ion:	83	Resp:	434
Ion Ratio	100	Lower	Upper
83	100		
55	50.3	61.3	91.9
98	42.7	39.0	58.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/14/2025

Supervised By :Mahesh Dadoda 11/14/2025



#40

Benzene

Concen: 0.522 ug/l

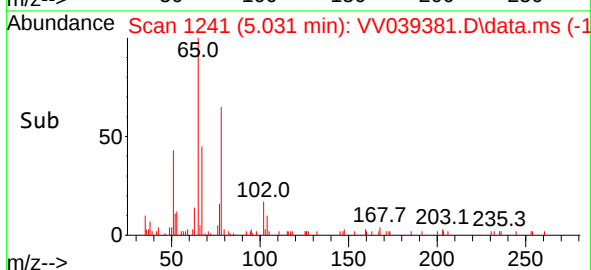
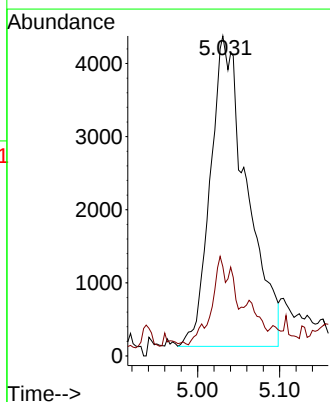
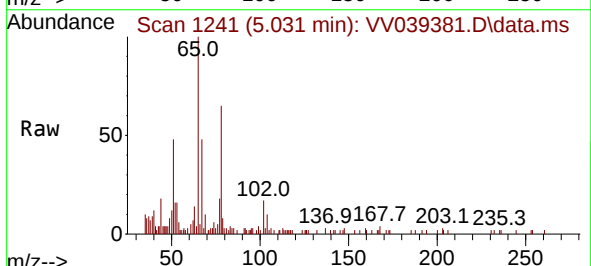
RT: 5.031 min Scan# 1241

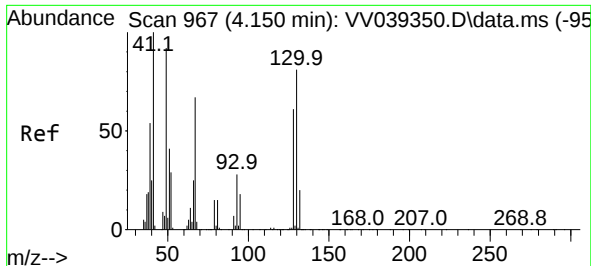
Delta R.T. 0.026 min

Lab File: VV039381.D

Acq: 13 Nov 2025 14:33

Tgt Ion:	78	Resp:	13117
Ion Ratio	100	Lower	Upper
78	100		
77	24.8	19.6	29.4





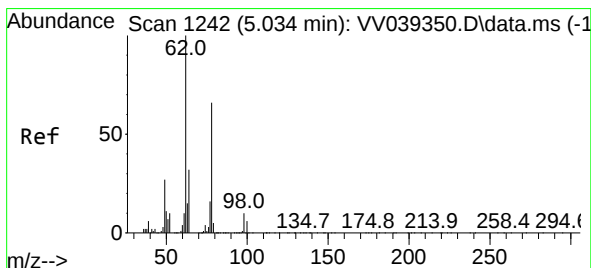
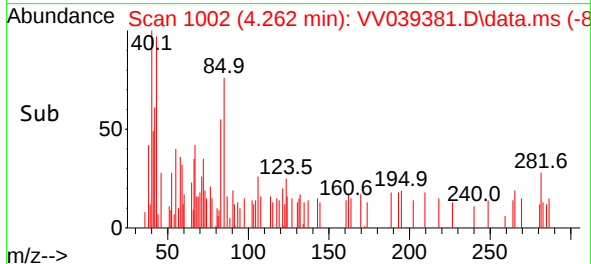
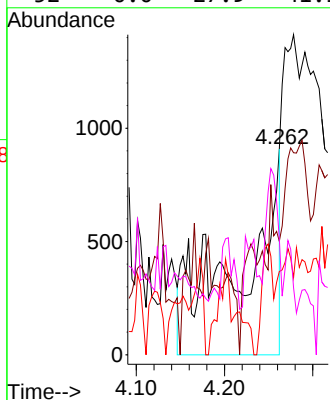
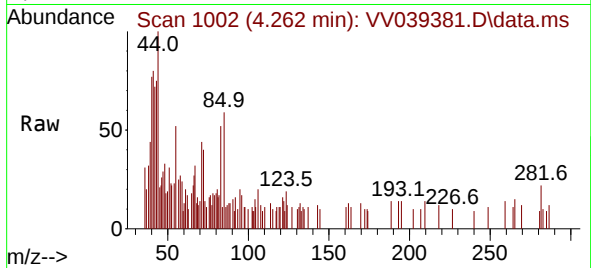
#41
Methacrylonitrile
Concen: 0.698 ug/l m
RT: 4.262 min Scan# 1002
Delta R.T. 0.113 min
Lab File: VV039381.D
Acq: 13 Nov 2025 14:33

Instrument : MSVOA_V
ClientSampleId :
MDL-WATER-03-QT4-2025

Tgt Ion: 41 Resp: 275
Ion Ratio Lower Upper
41 100
39 19.6 44.3 66.5
67 10.9 71.4 107.2
52 0.0 27.9 41.9

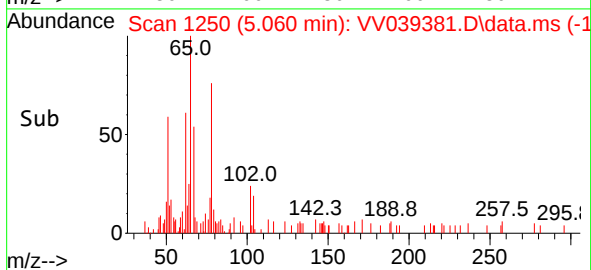
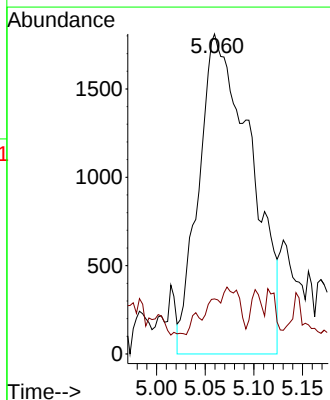
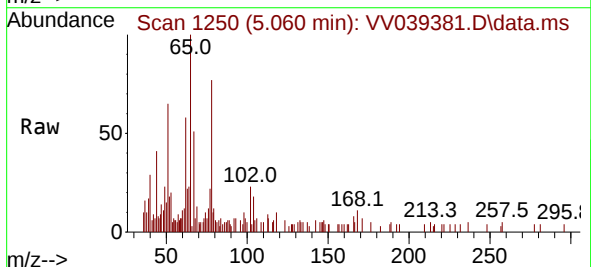
Manual Integrations
APPROVED

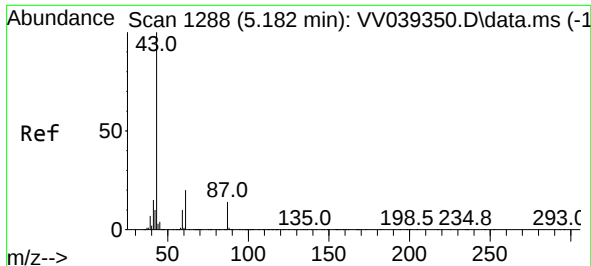
Reviewed By :John Carlone 11/14/2025
Supervised By :Mahesh Dadoda 11/14/2025



#42
1,2-Dichloroethane
Concen: 0.690 ug/l m
RT: 5.060 min Scan# 1250
Delta R.T. 0.026 min
Lab File: VV039381.D
Acq: 13 Nov 2025 14:33

Tgt Ion: 62 Resp: 6758
Ion Ratio Lower Upper
62 100
98 3.2 0.0 18.6





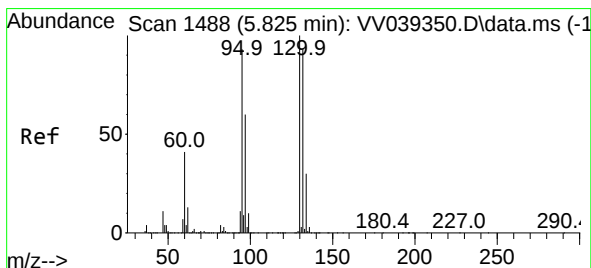
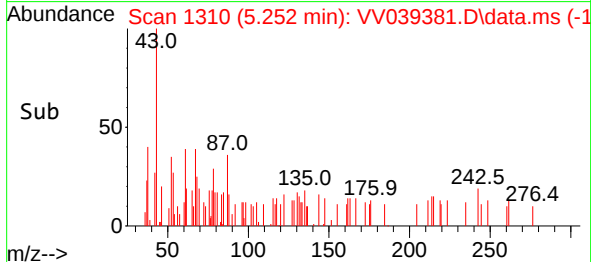
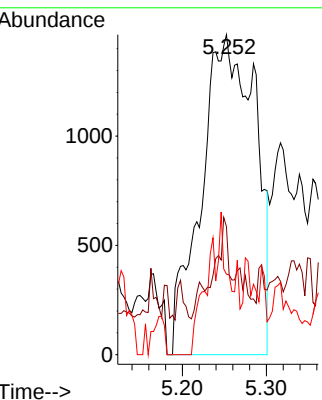
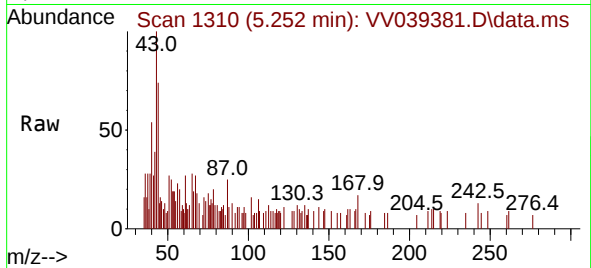
#43
Isopropyl Acetate
Concen: 0.442 ug/l m
RT: 5.252 min Scan# 11
Delta R.T. 0.071 min
Lab File: VV039381.D
Acq: 13 Nov 2025 14:33

Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-03-QT4-2025

Tgt Ion: 43 Resp: 6499
Ion Ratio Lower Upper
43 100
61 0.0 15.7 23.5
87 2.5 11.1 16.7

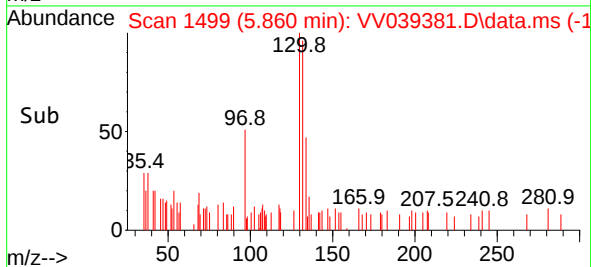
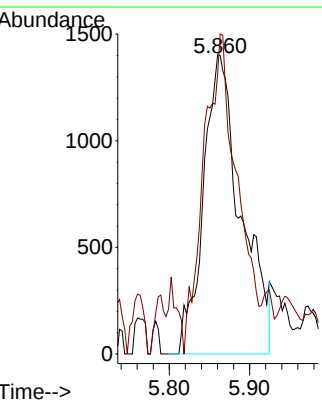
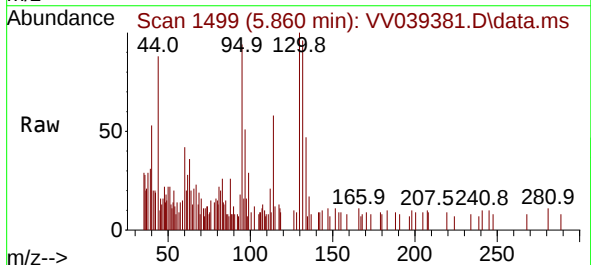
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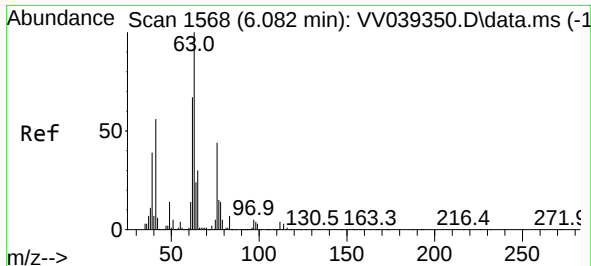
Reviewed By :John Carlone 11/14/2025
Supervised By :Mahesh Dadoda 11/14/2025



#44
Trichloroethene
Concen: 0.669 ug/l m
RT: 5.860 min Scan# 1499
Delta R.T. 0.035 min
Lab File: VV039381.D
Acq: 13 Nov 2025 14:33

Tgt Ion:130 Resp: 4561
Ion Ratio Lower Upper
130 100
95 93.7 0.0 186.8





#45

1,2-Dichloropropane

Concen: 0.627 ug/l m

RT: 6.108 min Scan# 1

Delta R.T. 0.026 min

Lab File: VV039381.D

Acq: 13 Nov 2025 14:33

Instrument :

MSVOA_V

ClientSampleId :

MDL-WATER-03-QT4-2025

Tgt Ion: 63 Resp: 426

Ion Ratio Lower Upper

63 100

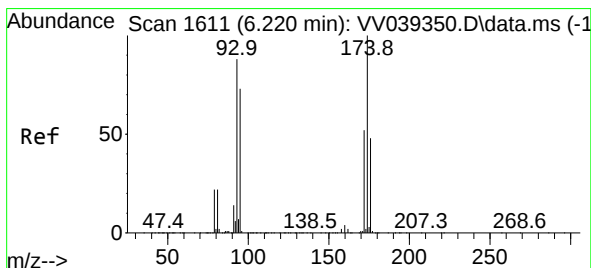
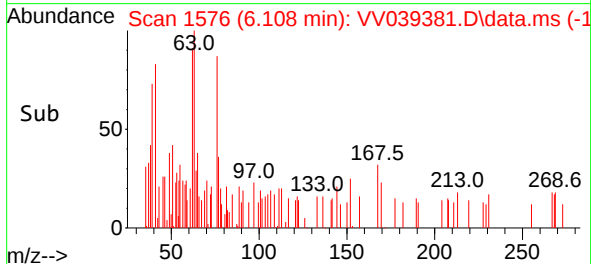
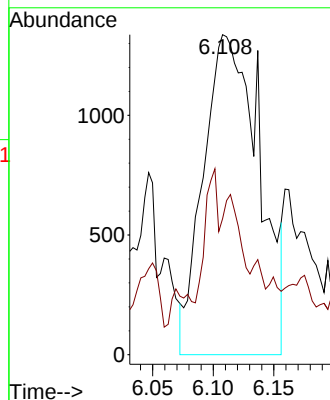
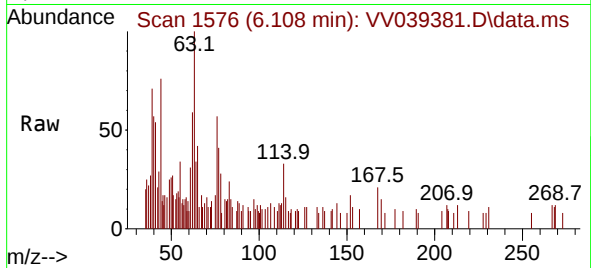
65 42.5 23.9 35.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/14/2025

Supervised By :Mahesh Dadoda 11/14/2025



#46

Dibromomethane

Concen: 0.705 ug/l m

RT: 6.259 min Scan# 1623

Delta R.T. 0.039 min

Lab File: VV039381.D

Acq: 13 Nov 2025 14:33

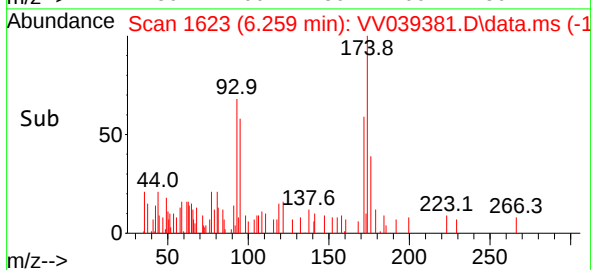
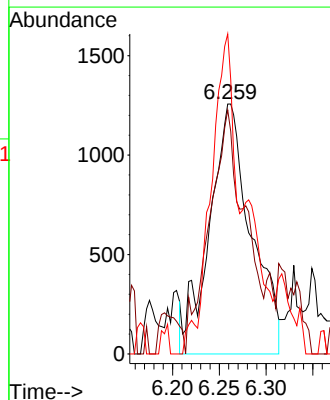
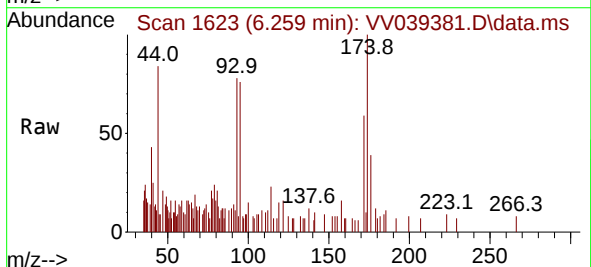
Tgt Ion: 93 Resp: 3856

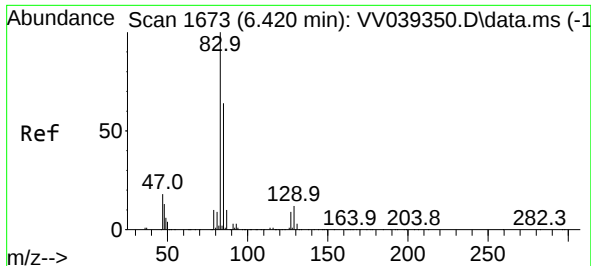
Ion Ratio Lower Upper

93 100

95 0.0 65.9 98.9#

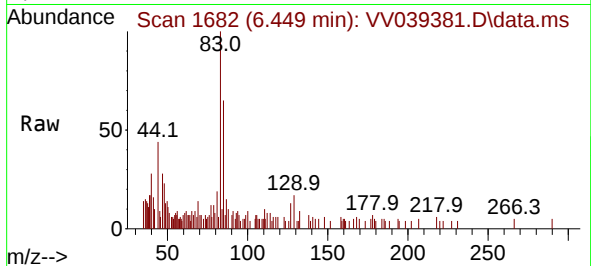
174 0.0 91.4 137.0#





#47
Bromodichloromethane
Concen: 0.625 ug/l
RT: 6.449 min Scan# 1667
Delta R.T. 0.029 min
Lab File: VV039381.D
Acq: 13 Nov 2025 14:33

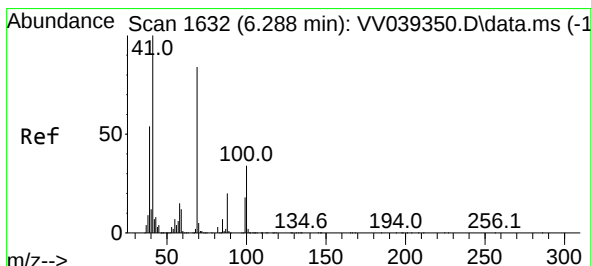
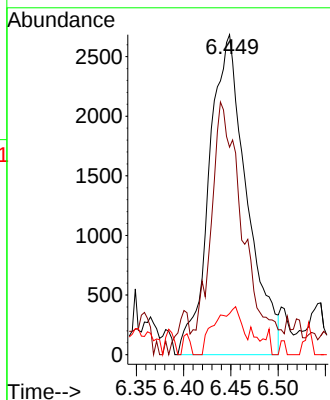
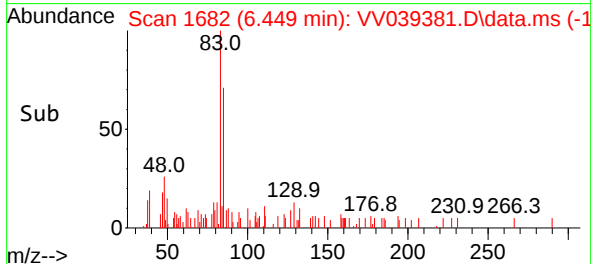
Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-03-QT4-2025



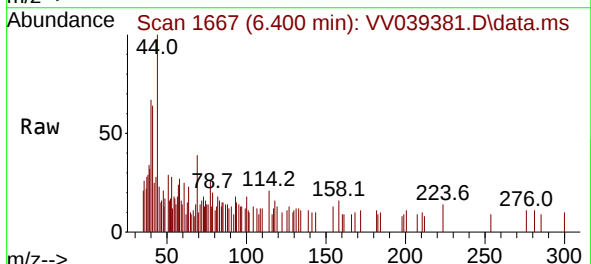
Tgt Ion: 83 Resp: 7400
Ion Ratio Lower Upper
83 100
85 58.0 51.0 76.4
127 12.9 7.3 10.9

Manual Integrations
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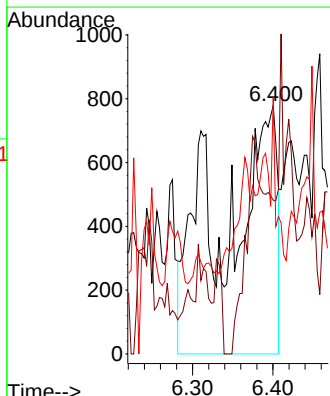
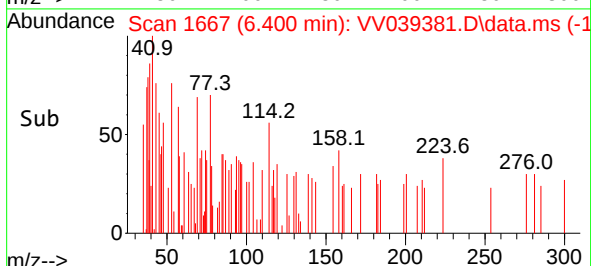
Reviewed By :John Carlone 11/14/2025
Supervised By :Mahesh Dadoda 11/14/2025

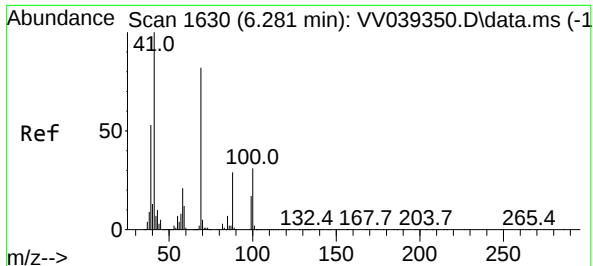


#48
Methyl methacrylate
Concen: 0.512 ug/l m
RT: 6.400 min Scan# 1667
Delta R.T. 0.113 min
Lab File: VV039381.D
Acq: 13 Nov 2025 14:33



Tgt Ion: 41 Resp: 3506
Ion Ratio Lower Upper
41 100
69 2.7 69.1 103.7#
39 1.5 42.8 64.2#





#49

1,4-Dioxane

Concen: 17.874 ug/l m

RT: 6.371 min Scan# 1

Delta R.T. 0.090 min

Lab File: VV039381.D

Acq: 13 Nov 2025 14:33

Instrument :

MSVOA_V

ClientSampleId :

MDL-WATER-03-QT4-2025

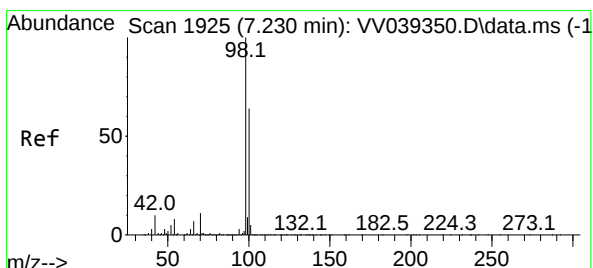
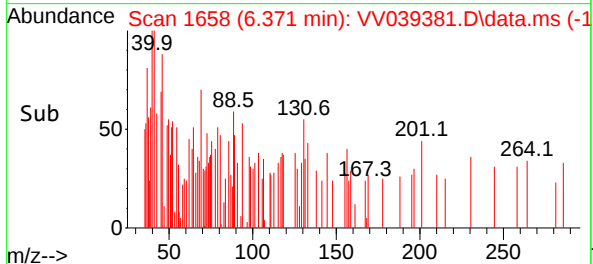
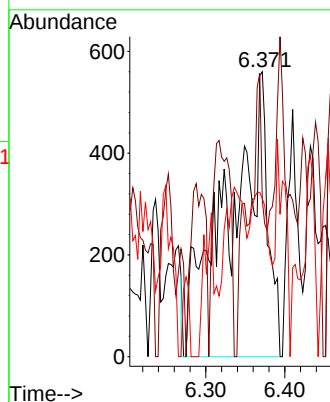
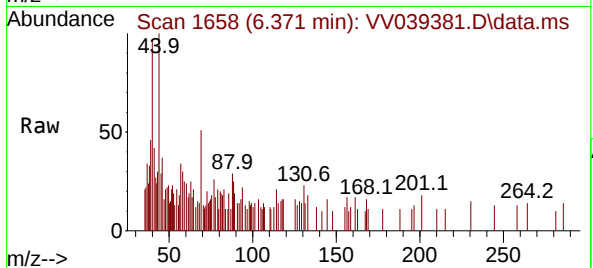
Tgt Ion: 88 Resp: 1880
 Ion Ratio Lower Upper
 88 100
 43 23.0 26.6 40.0
 58 4.3 55.4 83.0

Manual Integrations

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Reviewed By :John Carlone 11/14/2025

Supervised By :Mahesh Dadoda 11/14/2025



#50

Toluene-d8

Concen: 42.508 ug/l

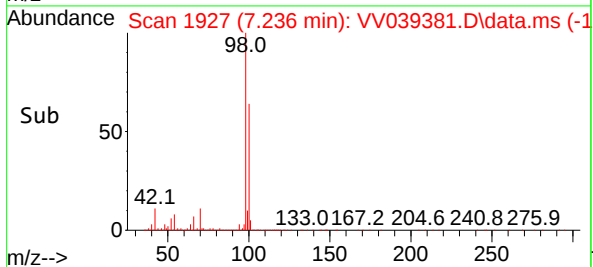
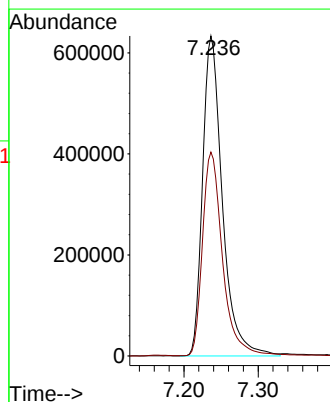
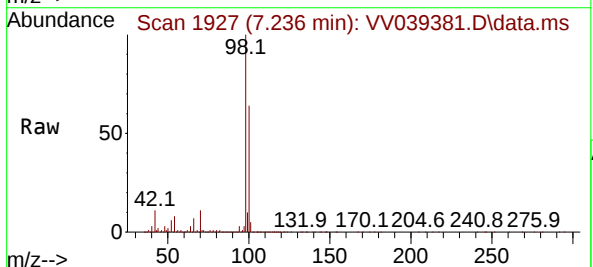
RT: 7.236 min Scan# 1927

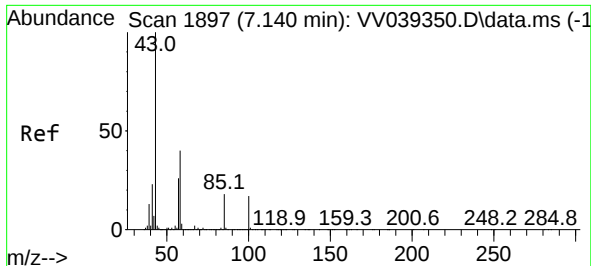
Delta R.T. 0.007 min

Lab File: VV039381.D

Acq: 13 Nov 2025 14:33

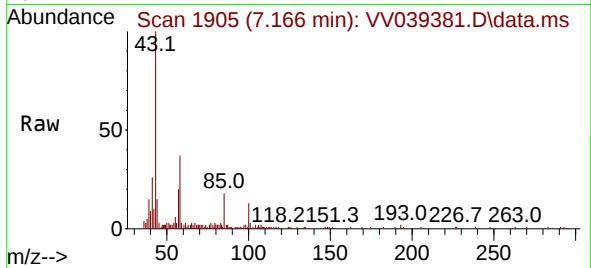
Tgt Ion: 98 Resp: 1172185
 Ion Ratio Lower Upper
 98 100
 100 64.5 52.8 79.2





#51
4-Methyl-2-Pentanone
Concen: 2.047 ug/l
RT: 7.166 min Scan# 1905
Delta R.T. 0.026 min
Lab File: VV039381.D
Acq: 13 Nov 2025 14:33

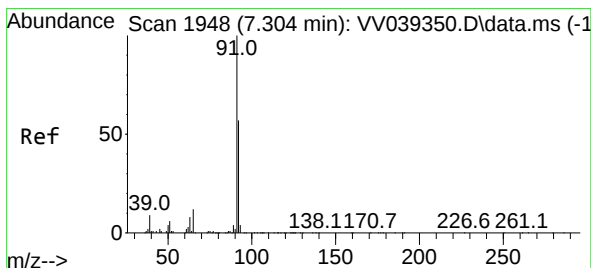
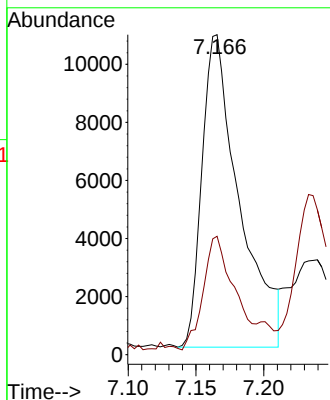
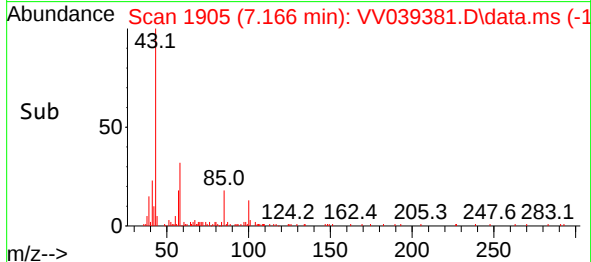
Instrument : MSVOA_V
ClientSampleId : MDL-WATER-03-QT4-2025



Tgt Ion: 43 Resp: 2058
Ion Ratio Lower Upper
43 100
58 30.7 31.8 47.6

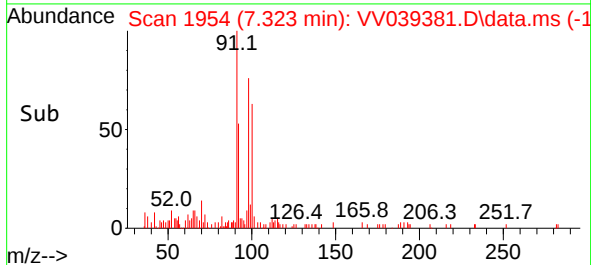
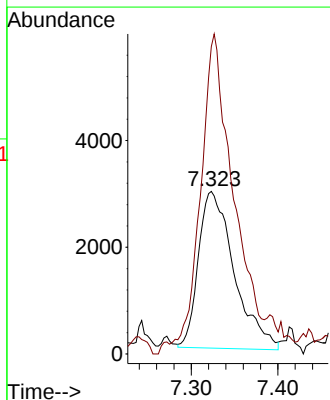
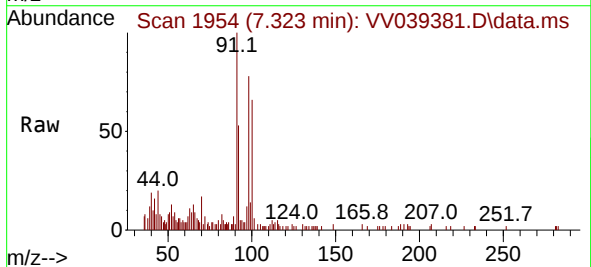
Manual Integrations
APPROVED

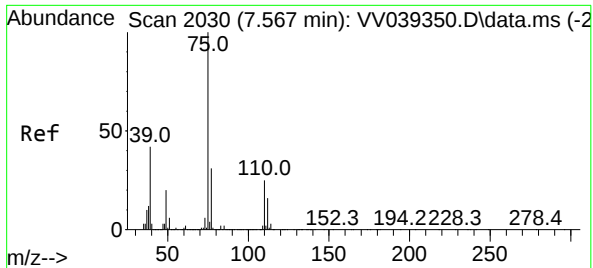
Reviewed By :John Carlone 11/14/2025
Supervised By :Mahesh Dadoda 11/14/2025



#52
Toluene
Concen: 0.536 ug/l
RT: 7.323 min Scan# 1954
Delta R.T. 0.019 min
Lab File: VV039381.D
Acq: 13 Nov 2025 14:33

Tgt Ion: 92 Resp: 8448
Ion Ratio Lower Upper
92 100
91 173.2 139.0 208.6





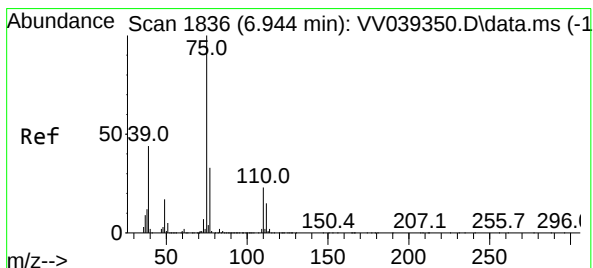
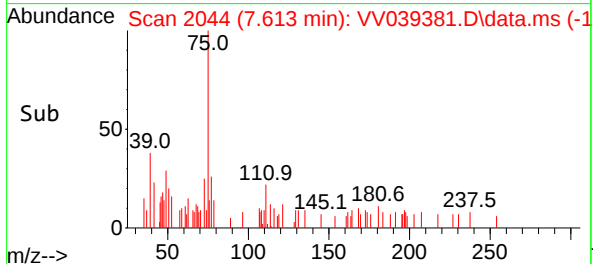
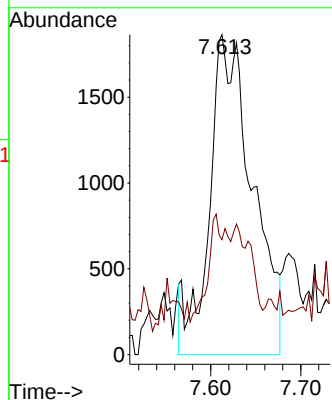
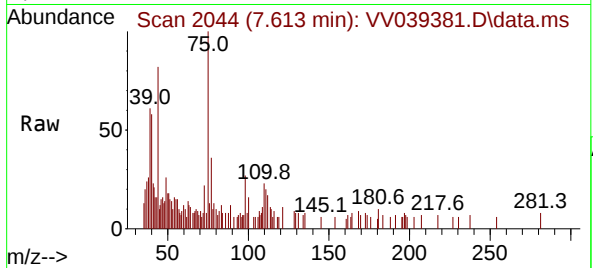
#53
 t-1,3-Dichloropropene
 Concen: 0.605 ug/l m
 RT: 7.613 min Scan# 2030
 Delta R.T. 0.045 min
 Lab File: VV039381.D
 Acq: 13 Nov 2025 14:33

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL-WATER-03-QT4-2025

Tgt Ion: 75 Resp: 616
 Ion Ratio Lower Upper
 75 100
 77 35.9 24.5 36.7

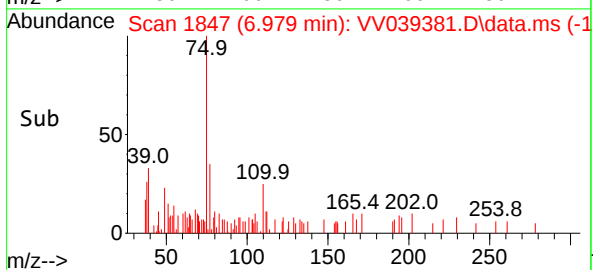
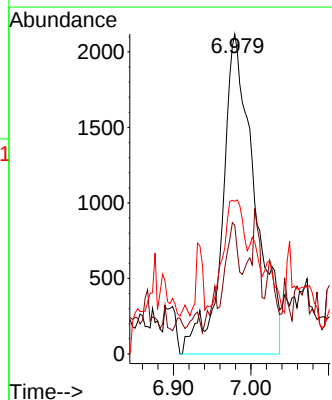
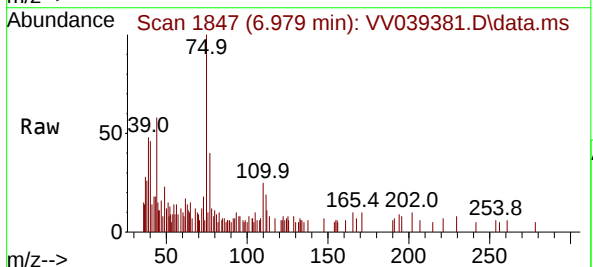
Manual Integrations
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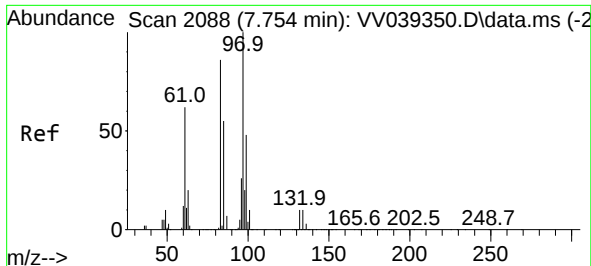
Reviewed By :John Carlone 11/14/2025
 Supervised By :Mahesh Dadoda 11/14/2025



#54
 cis-1,3-Dichloropropene
 Concen: 0.560 ug/l m
 RT: 6.979 min Scan# 1847
 Delta R.T. 0.035 min
 Lab File: VV039381.D
 Acq: 13 Nov 2025 14:33

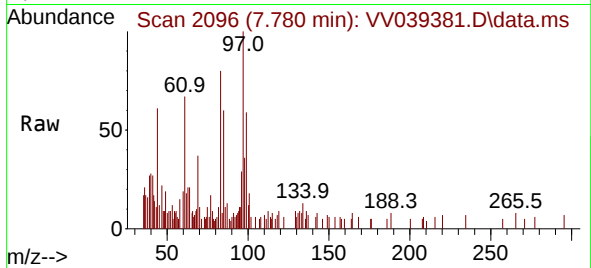
Tgt Ion: 75 Resp: 6062
 Ion Ratio Lower Upper
 75 100
 77 40.2 26.3 39.5#
 39 47.7 35.5 53.3





#55
1,1,2-Trichloroethane
Concen: 0.606 ug/l m
RT: 7.780 min Scan# 2096
Delta R.T. 0.026 min
Lab File: VV039381.D
Acq: 13 Nov 2025 14:33

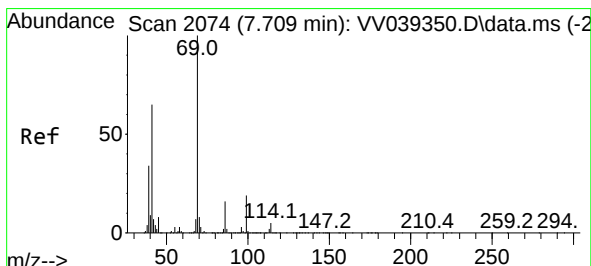
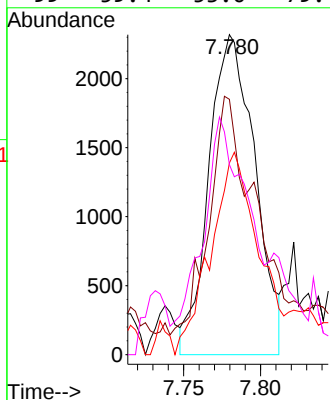
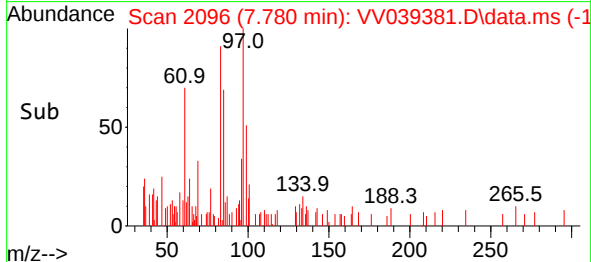
Instrument : MSVOA_V
ClientSampleId : MDL-WATER-03-QT4-2025



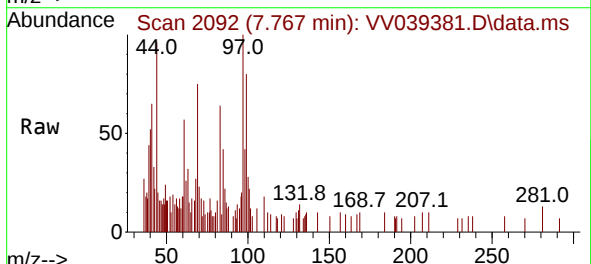
Tgt Ion	Ratio	Lower	Upper
97	100		
83	79.8	68.8	103.2
85	59.9	45.2	67.8
99	59.4	53.0	79.4

Manual Integrations
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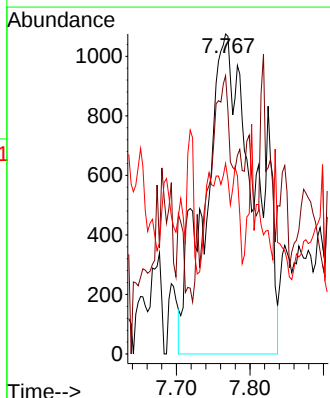
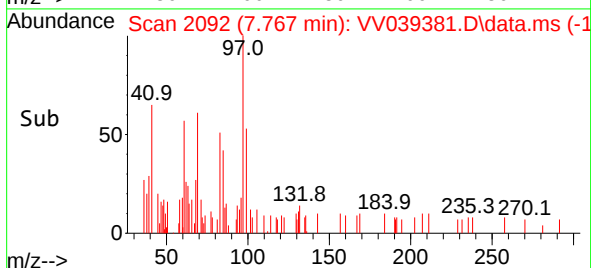
Reviewed By :John Carlone 11/14/2025
Supervised By :Mahesh Dadoda 11/14/2025

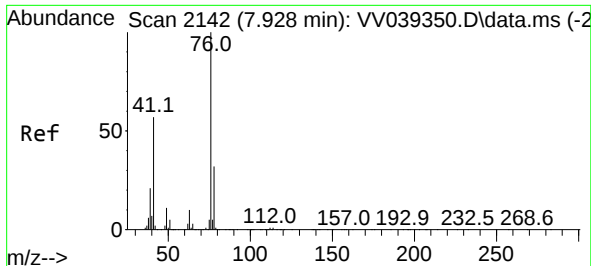


#56
Ethyl methacrylate
Concen: 0.521 ug/l m
RT: 7.767 min Scan# 2092
Delta R.T. 0.058 min
Lab File: VV039381.D
Acq: 13 Nov 2025 14:33



Tgt Ion	Ratio	Lower	Upper
69	100		
41	3.5	52.5	78.7#
39	5.4	26.7	40.1#





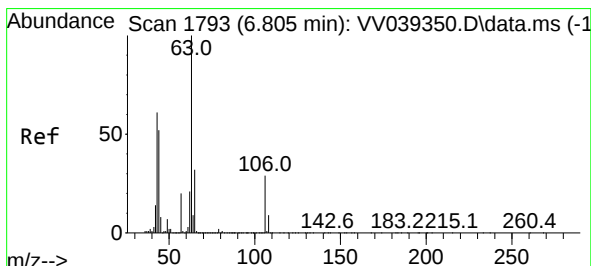
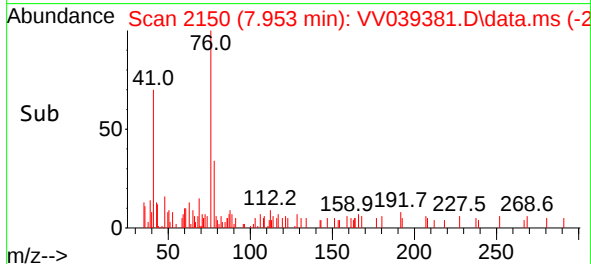
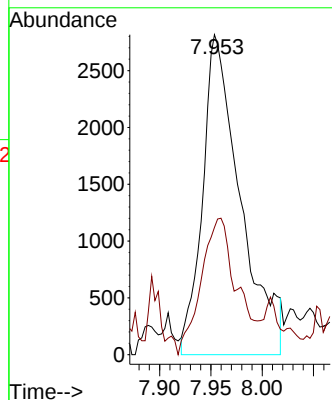
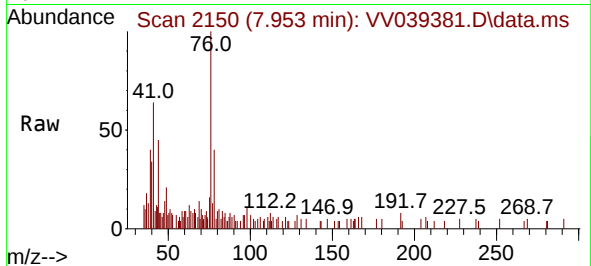
#57
1,3-Dichloropropane
Concen: 0.587 ug/l m
RT: 7.953 min Scan# 2142
Delta R.T. 0.026 min
Lab File: VV039381.D
Acq: 13 Nov 2025 14:33

Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-03-QT4-2025

Tgt Ion: 76 Resp: 7204
Ion Ratio Lower Upper
76 100
78 1.4 25.6 38.4

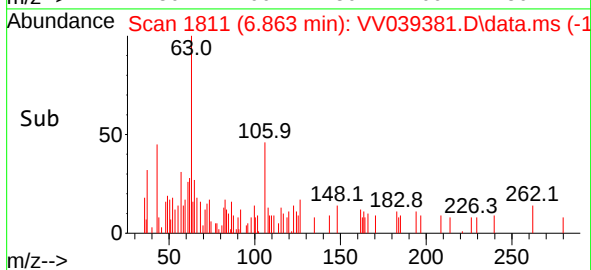
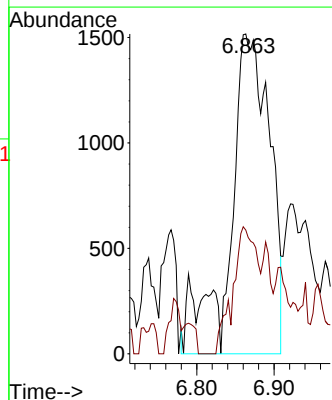
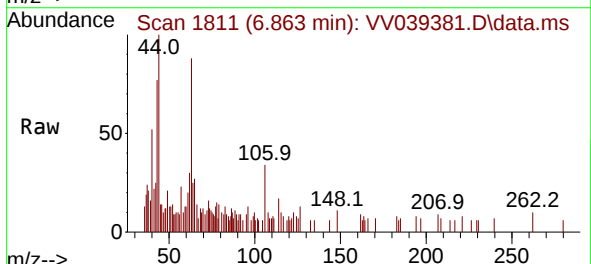
Manual Integrations
APPROVED

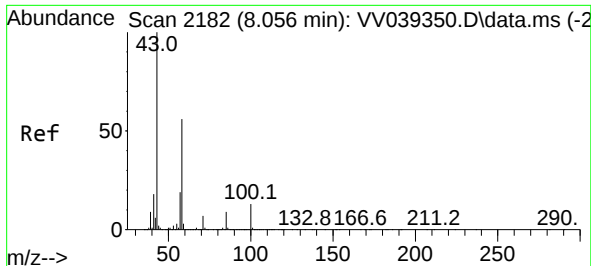
Reviewed By :John Carlone 11/14/2025
Supervised By :Mahesh Dadoda 11/14/2025



#58
2-Chloroethyl Vinyl ether
Concen: 1.978 ug/l m
RT: 6.863 min Scan# 1811
Delta R.T. 0.058 min
Lab File: VV039381.D
Acq: 13 Nov 2025 14:33

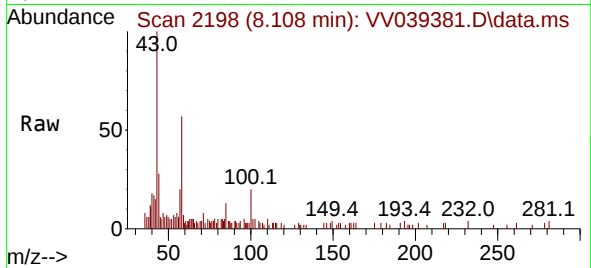
Tgt Ion: 63 Resp: 5417
Ion Ratio Lower Upper
63 100
106 1.4 23.3 34.9





#59
2-Hexanone
Concen: 1.614 ug/l m
RT: 8.108 min Scan# 2182
Delta R.T. 0.052 min
Lab File: VV039381.D
Acq: 13 Nov 2025 14:33

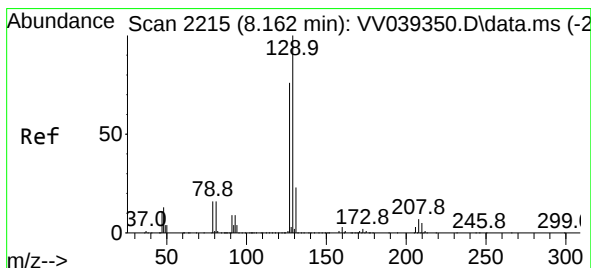
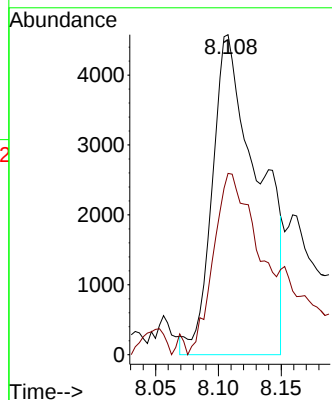
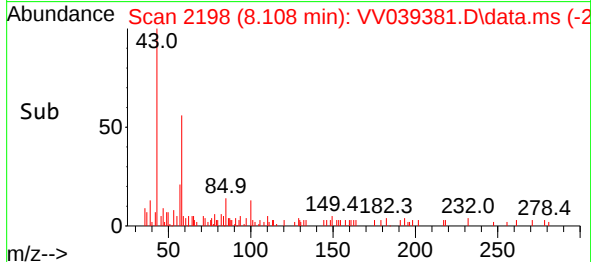
Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-03-QT4-2025



Tgt Ion: 43 Resp: 1160
Ion Ratio Lower Upper
43 100
58 55.5 27.7 83.1

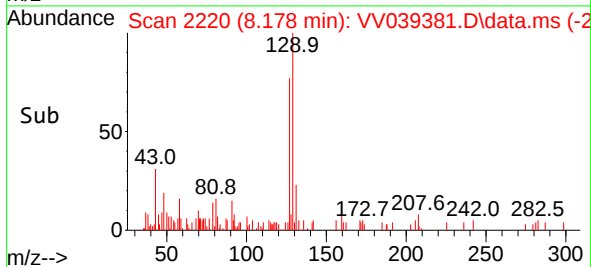
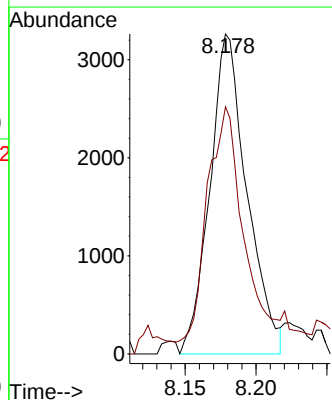
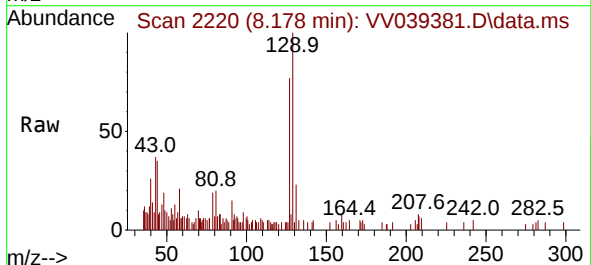
Manual Integrations
APPROVED

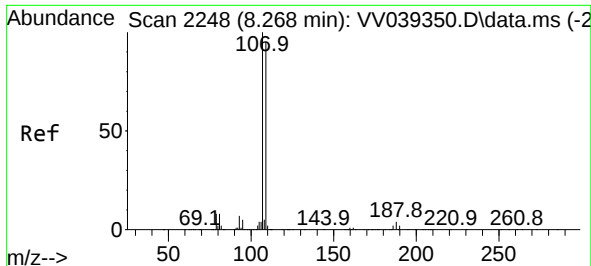
Reviewed By :John Carlone 11/14/2025
Supervised By :Mahesh Dadoda 11/14/2025



#60
Dibromochloromethane
Concen: 0.582 ug/l
RT: 8.178 min Scan# 2220
Delta R.T. 0.016 min
Lab File: VV039381.D
Acq: 13 Nov 2025 14:33

Tgt Ion:129 Resp: 5946
Ion Ratio Lower Upper
129 100
127 71.3 38.6 115.7





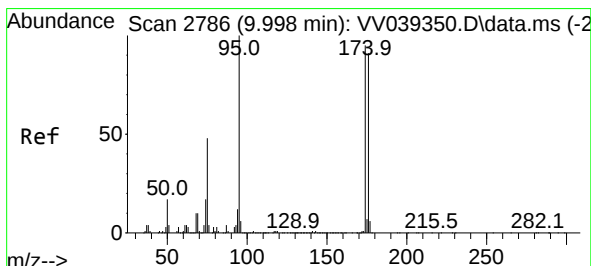
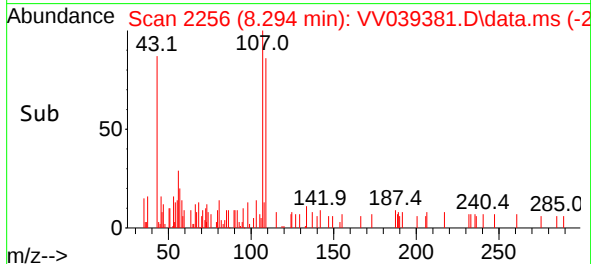
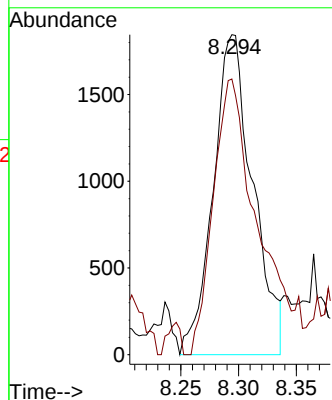
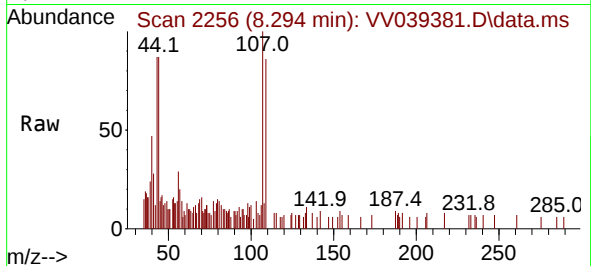
#61
1,2-Dibromoethane
Concen: 0.566 ug/l
RT: 8.294 min Scan# 211
Delta R.T. 0.026 min
Lab File: VV039381.D
Acq: 13 Nov 2025 14:33

Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-03-QT4-2025

Tgt Ion:107 Resp: 4400
Ion Ratio Lower Upper
107 100
109 98.0 75.8 113.8

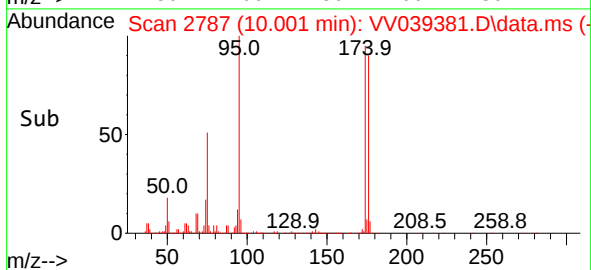
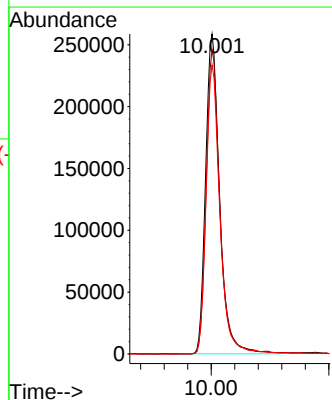
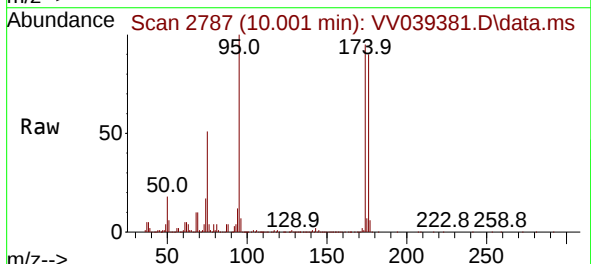
Manual Integrations
APPROVED

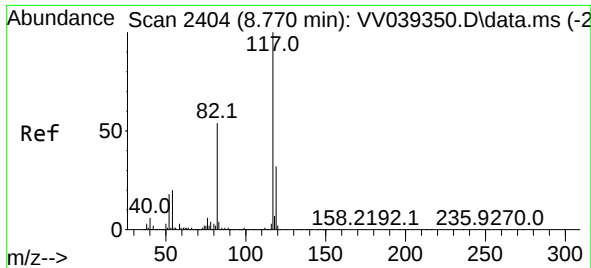
Reviewed By :John Carlone 11/14/2025
Supervised By :Mahesh Dadoda 11/14/2025



#62
4-Bromofluorobenzene
Concen: 40.214 ug/l
RT: 10.001 min Scan# 2787
Delta R.T. 0.003 min
Lab File: VV039381.D
Acq: 13 Nov 2025 14:33

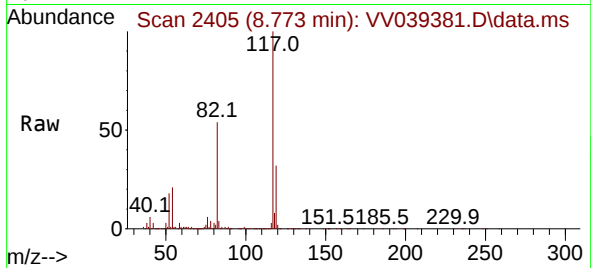
Tgt Ion: 95 Resp: 426113
Ion Ratio Lower Upper
95 100
174 93.8 0.0 187.6
176 89.2 0.0 180.2





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 8.773 min Scan# 2404
Delta R.T. 0.003 min
Lab File: VV039381.D
Acq: 13 Nov 2025 14:33

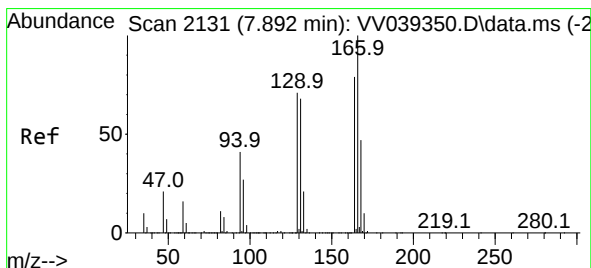
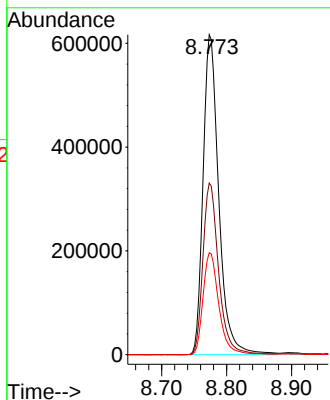
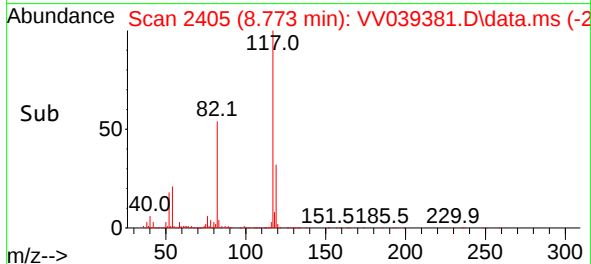
Instrument : MSVOA_V
ClientSampleId : MDL-WATER-03-QT4-2025



Tgt Ion:117 Resp: 103816
Ion Ratio Lower Upper
117 100
82 53.6 42.9 64.3
119 31.8 25.5 38.3

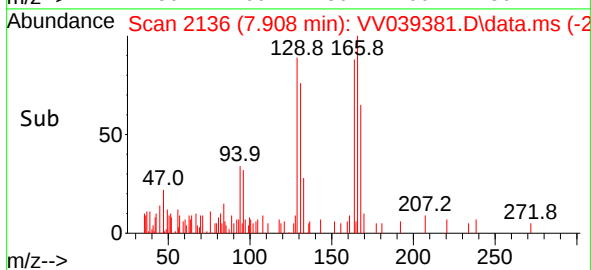
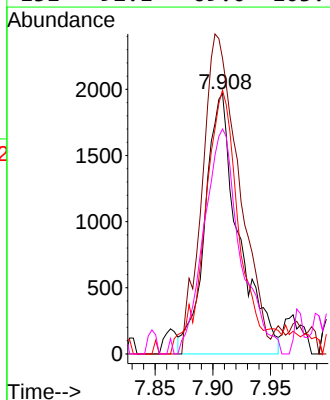
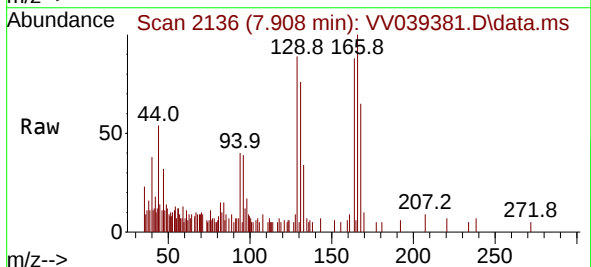
Manual Integrations
APPROVED

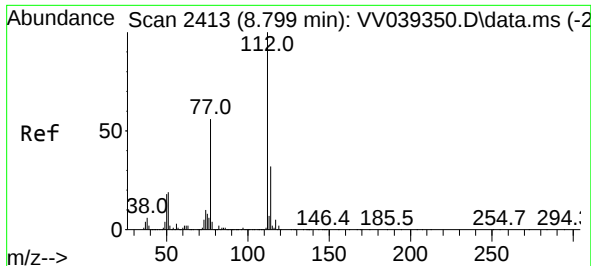
Reviewed By :John Carlone 11/14/2025
Supervised By :Mahesh Dadoda 11/14/2025



#64
Tetrachloroethene
Concen: 0.623 ug/l
RT: 7.908 min Scan# 2136
Delta R.T. 0.016 min
Lab File: VV039381.D
Acq: 13 Nov 2025 14:33

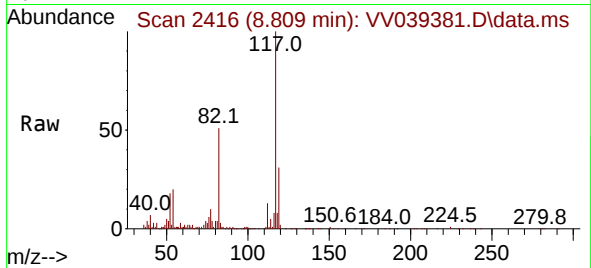
Tgt Ion:164 Resp: 3995
Ion Ratio Lower Upper
164 100
166 121.1 101.9 152.9
129 98.5 71.8 107.8
131 92.1 69.0 103.4





#65
Chlorobenzene
Concen: 0.560 ug/l
RT: 8.809 min Scan# 2416
Delta R.T. 0.010 min
Lab File: VV039381.D
Acq: 13 Nov 2025 14:33

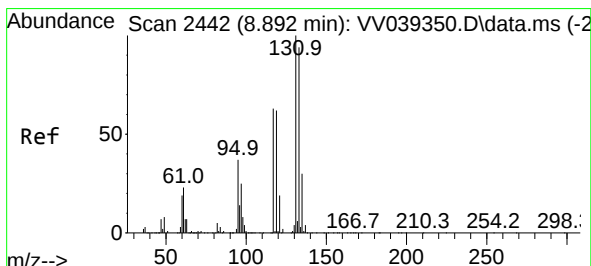
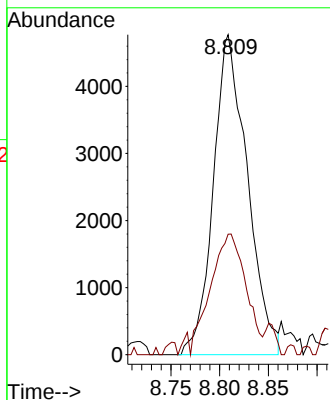
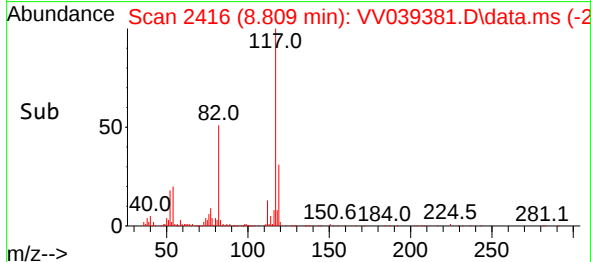
Instrument : MSVOA_V
ClientSampleId : MDL-WATER-03-QT4-2025



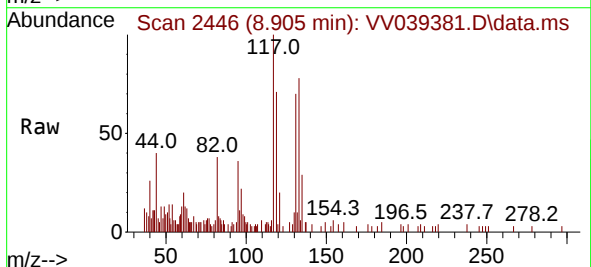
Tgt Ion:112 Resp: 11574
Ion Ratio Lower Upper
112 100
114 37.7 25.7 38.5

Manual Integrations
APPROVED

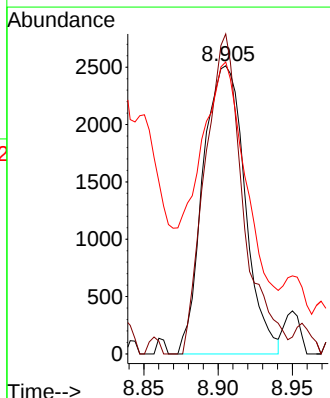
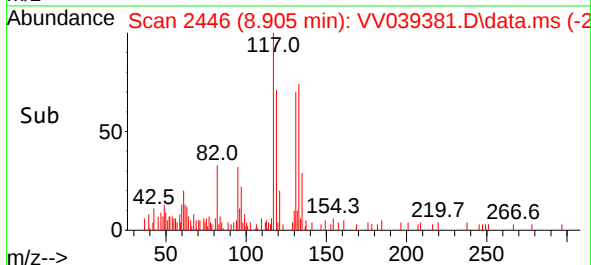
Reviewed By :John Carlone 11/14/2025
Supervised By :Mahesh Dadoda 11/14/2025

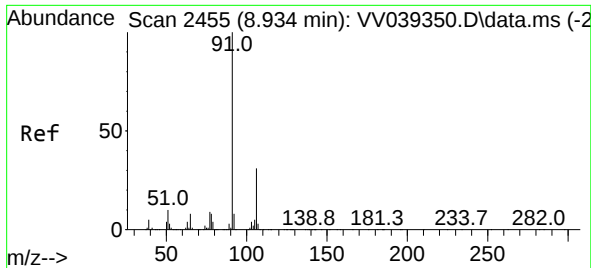


#66
1,1,1,2-Tetrachloroethane
Concen: 0.570 ug/l
RT: 8.905 min Scan# 2446
Delta R.T. 0.013 min
Lab File: VV039381.D
Acq: 13 Nov 2025 14:33



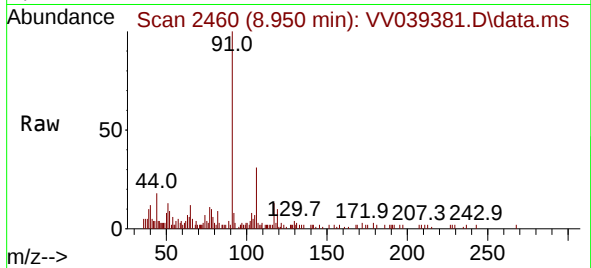
Tgt Ion:131 Resp: 4918
Ion Ratio Lower Upper
131 100
133 101.7 47.9 143.8
119 0.0 31.6 94.8#





#67
Ethyl Benzene
Concen: 0.488 ug/l
RT: 8.950 min Scan# 2455
Delta R.T. 0.016 min
Lab File: VV039381.D
Acq: 13 Nov 2025 14:33

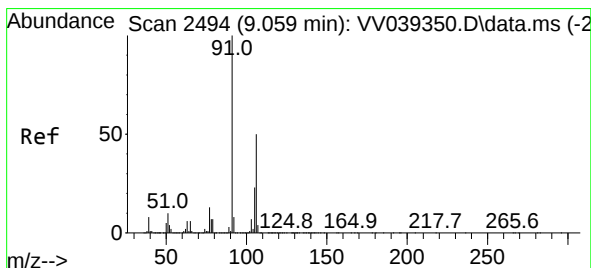
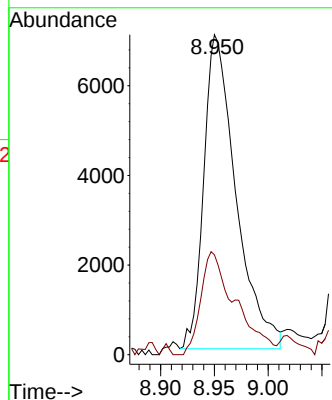
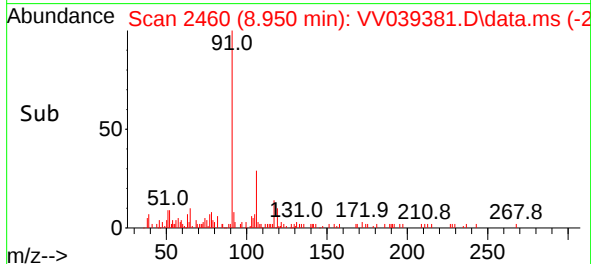
Instrument : MSVOA_V
ClientSampleId : MDL-WATER-03-QT4-2025



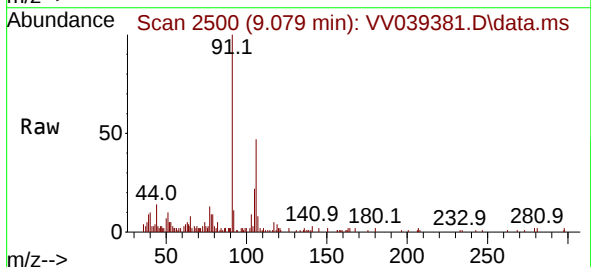
Tgt Ion: 91 Resp: 1460
Ion Ratio Lower Upper
91 100
106 31.8 24.9 37.3

Manual Integrations
APPROVED

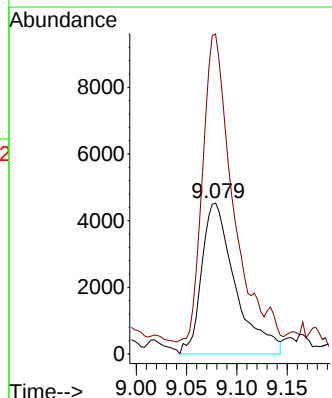
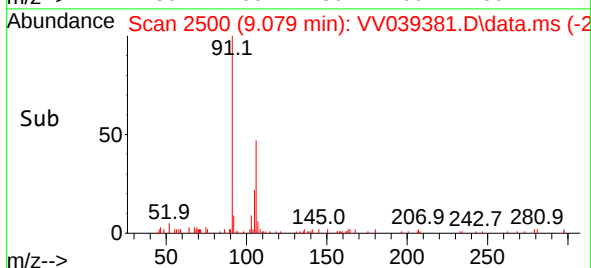
Reviewed By :John Carlone 11/14/2025
Supervised By :Mahesh Dadoda 11/14/2025

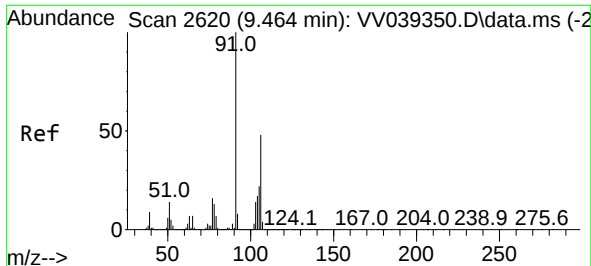


#68
m/p-Xylenes
Concen: 0.931 ug/l
RT: 9.079 min Scan# 2500
Delta R.T. 0.019 min
Lab File: VV039381.D
Acq: 13 Nov 2025 14:33



Tgt Ion:106 Resp: 10513
Ion Ratio Lower Upper
106 100
91 177.0 161.5 242.3





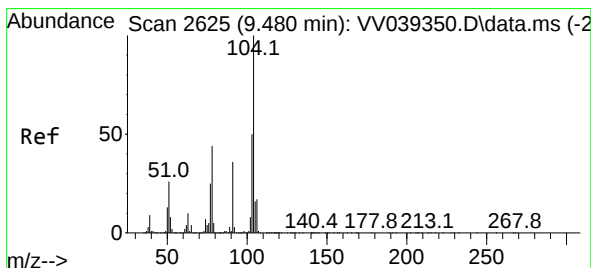
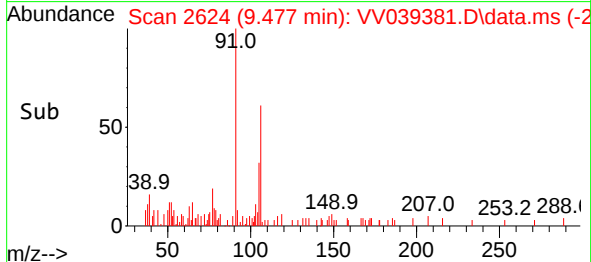
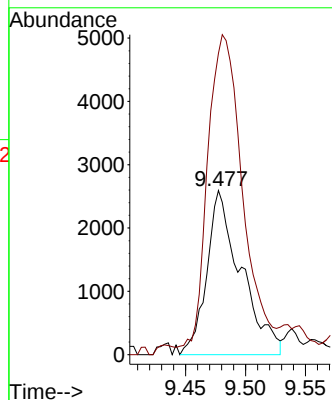
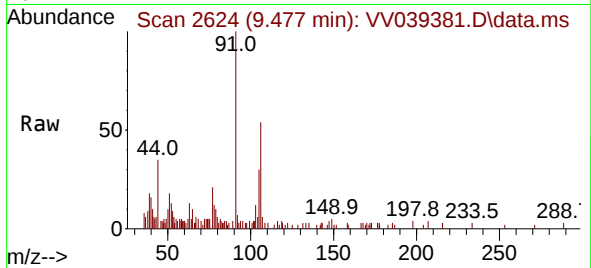
#69
o-Xylene
Concen: 0.482 ug/l
RT: 9.477 min Scan# 2624
Delta R.T. 0.013 min
Lab File: VV039381.D
Acq: 13 Nov 2025 14:33

Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-03-QT4-2025

Tgt Ion:106 Resp: 514
Ion Ratio Lower Upper
106 100
91 190.8 105.9 317.7

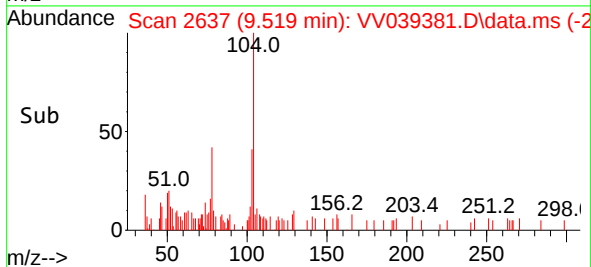
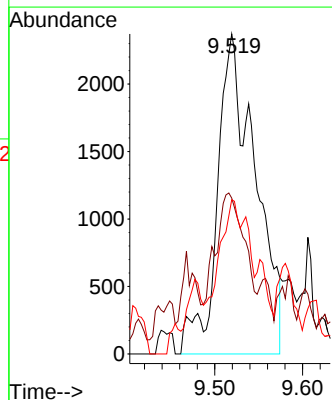
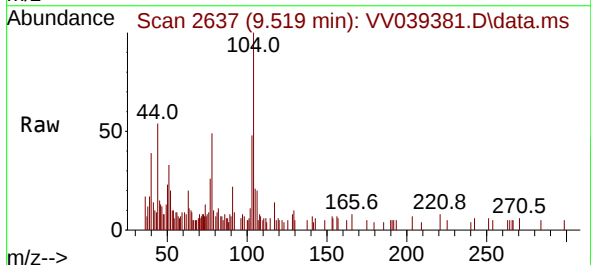
Manual Integrations
APPROVED

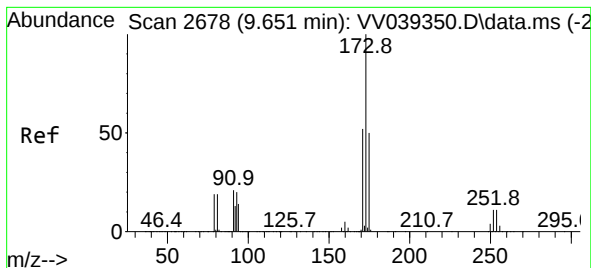
Reviewed By :John Carlone 11/14/2025
Supervised By :Mahesh Dadoda 11/14/2025



#70
Styrene
Concen: 0.373 ug/l m
RT: 9.519 min Scan# 2637
Delta R.T. 0.039 min
Lab File: VV039381.D
Acq: 13 Nov 2025 14:33

Tgt Ion:104 Resp: 7128
Ion Ratio Lower Upper
104 100
78 6.8 39.0 58.4#
103 5.1 43.4 65.2#





#71

Bromoform

Concen: 0.697 ug/l

RT: 9.670 min Scan# 2684

Delta R.T. 0.019 min

Lab File: VV039381.D

Acq: 13 Nov 2025 14:33

Instrument :

MSVOA_V

ClientSampleId :

MDL-WATER-03-QT4-2025

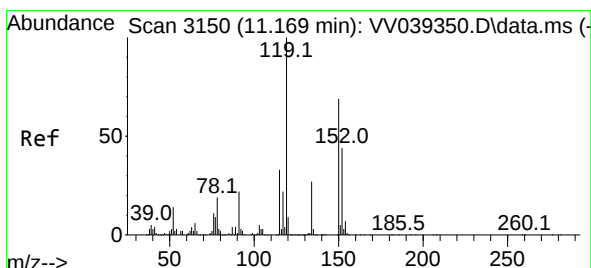
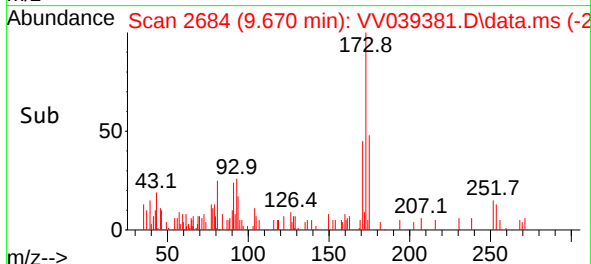
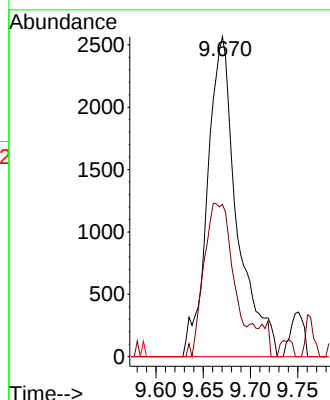
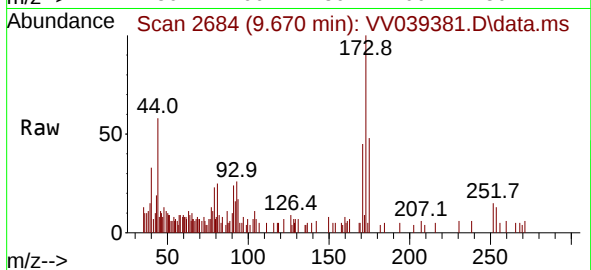
Tgt Ion:	173	Resp:	5570
Ion Ratio	Lower	Upper	
173	100		
175	47.0	24.5	73.5
254	0.0	0.1	0.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/14/2025

Supervised By :Mahesh Dadoda 11/14/2025



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

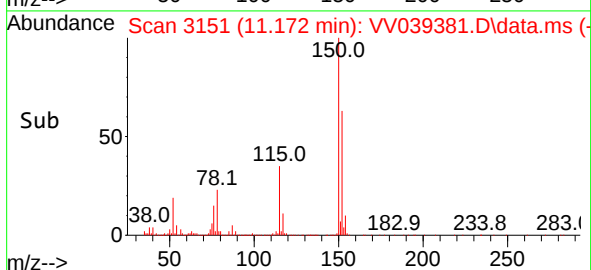
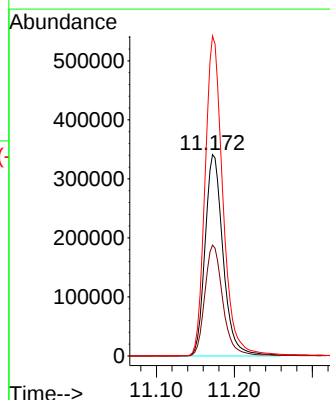
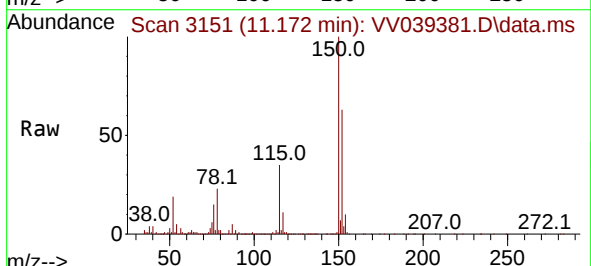
RT: 11.172 min Scan# 3151

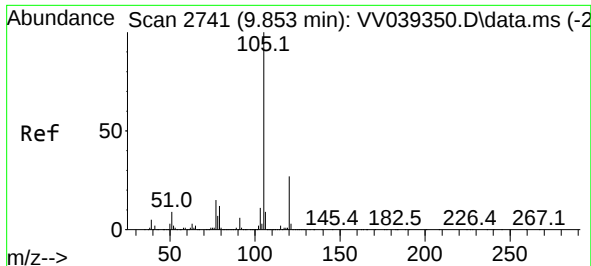
Delta R.T. 0.003 min

Lab File: VV039381.D

Acq: 13 Nov 2025 14:33

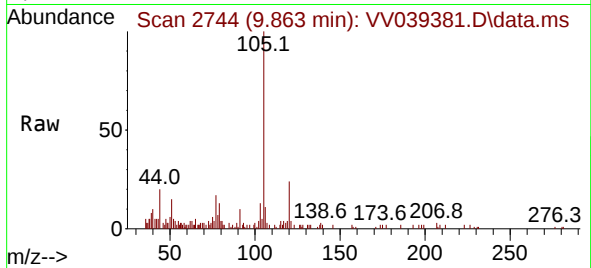
Tgt Ion:	152	Resp:	548631
Ion Ratio	Lower	Upper	
152	100		
115	55.5	37.3	111.9
150	156.8	0.0	340.4





#73
Isopropylbenzene
Concen: 0.530 ug/l
RT: 9.863 min Scan# 2712
Delta R.T. 0.010 min
Lab File: VV039381.D
Acq: 13 Nov 2025 14:33

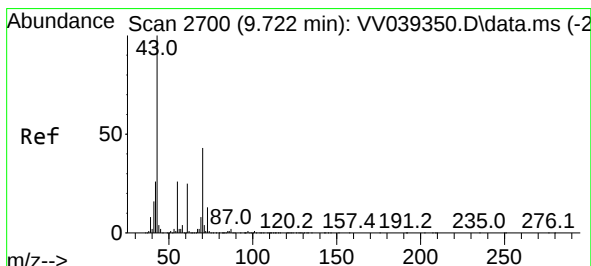
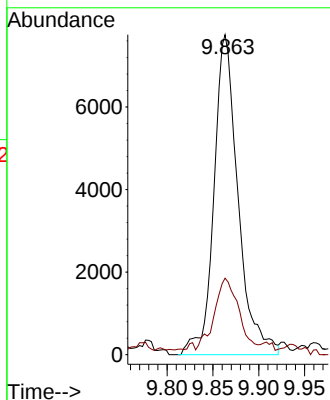
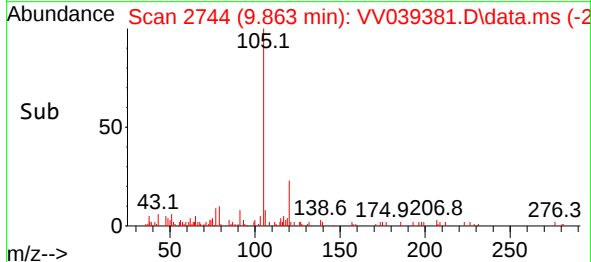
Instrument : MSVOA_V
ClientSampleId :
MDL-WATER-03-QT4-2025



Tgt Ion: 105 Resp: 14198
Ion Ratio Lower Upper
105 100
120 22.2 13.4 40.1

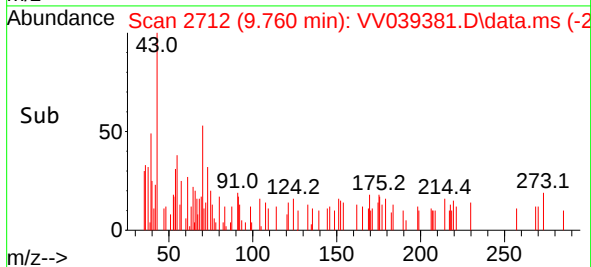
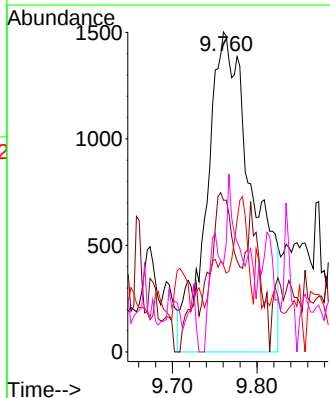
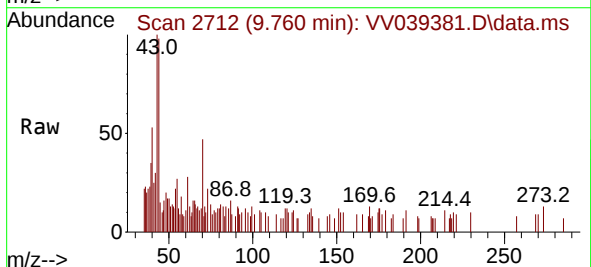
Manual Integrations
APPROVED

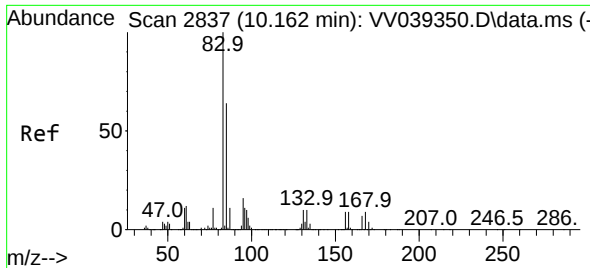
Reviewed By : John Carlone 11/14/2025
Supervised By : Mahesh Dadoda 11/14/2025



#74
N-ethyl acetate
Concen: 0.545 ug/l m
RT: 9.760 min Scan# 2712
Delta R.T. 0.039 min
Lab File: VV039381.D
Acq: 13 Nov 2025 14:33

Tgt Ion: 43 Resp: 5723
Ion Ratio Lower Upper
43 100
70 0.0 34.6 51.8#
55 4.1 21.0 31.6#
61 0.0 19.2 28.8#





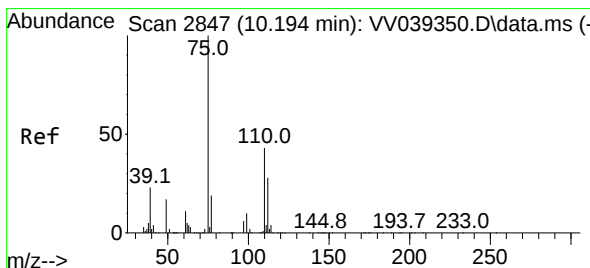
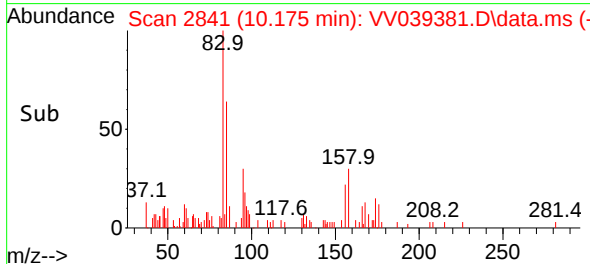
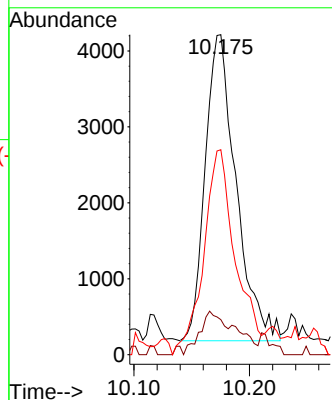
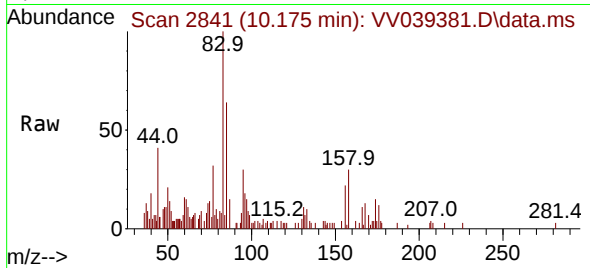
#75
1,1,2,2-Tetrachloroethane
Concen: 0.643 ug/l
RT: 10.175 min Scan# 2841
Delta R.T. 0.013 min
Lab File: VV039381.D
Acq: 13 Nov 2025 14:33

Instrument : MSVOA_V
ClientSampleId : MDL-WATER-03-QT4-2025

Tgt Ion: 83 Resp: 7500
Ion Ratio Lower Upper
83 100
131 11.0 5.4 16.2
85 68.4 32.0 96.2

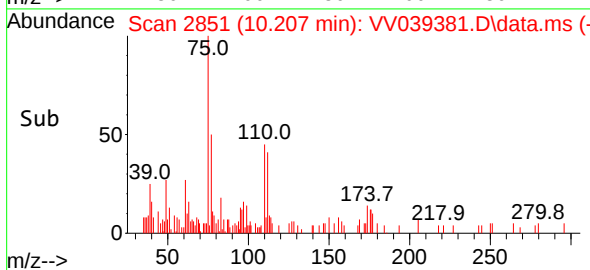
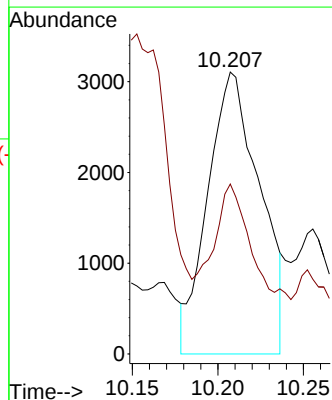
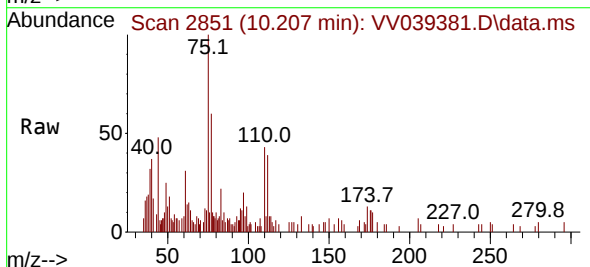
Manual Integrations
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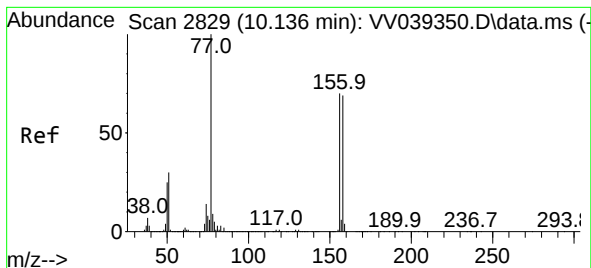
Reviewed By :John Carlone 11/14/2025
Supervised By :Mahesh Dadoda 11/14/2025



#76
1,2,3-Trichloropropane
Concen: 0.770 ug/l m
RT: 10.207 min Scan# 2851
Delta R.T. 0.013 min
Lab File: VV039381.D
Acq: 13 Nov 2025 14:33

Tgt Ion: 75 Resp: 6553
Ion Ratio Lower Upper
75 100
77 48.3 11.8 35.3#





#77

Bromobenzene

Concen: 0.687 ug/l

RT: 10.153 min Scan# 2834

Delta R.T. 0.016 min

Lab File: VV039381.D

Acq: 13 Nov 2025 14:33

Instrument :

MSVOA_V

ClientSampleId :

MDL-WATER-03-QT4-2025

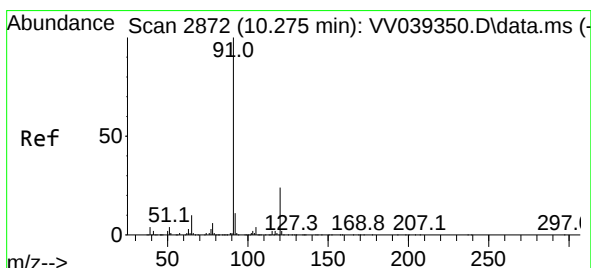
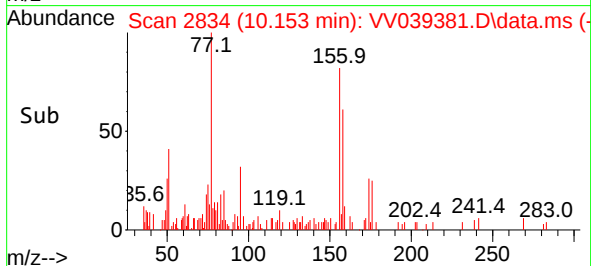
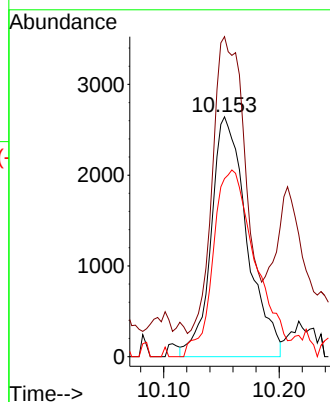
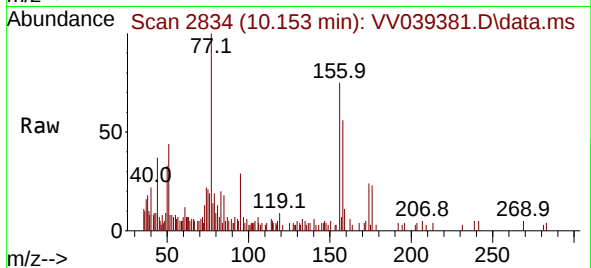
Tgt Ion:	156	Resp:	568
Ion Ratio	Lower	Upper	
156	100		
77	112.1	70.3	210.9
158	92.1	49.4	148.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/14/2025

Supervised By :Mahesh Dadoda 11/14/2025



#78

n-propylbenzene

Concen: 0.532 ug/l

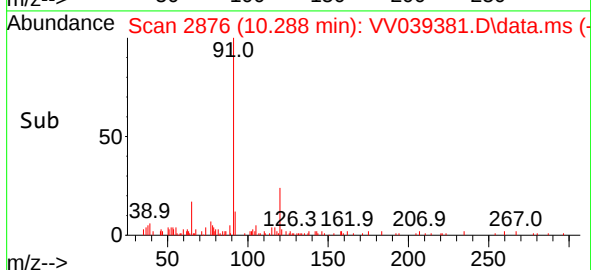
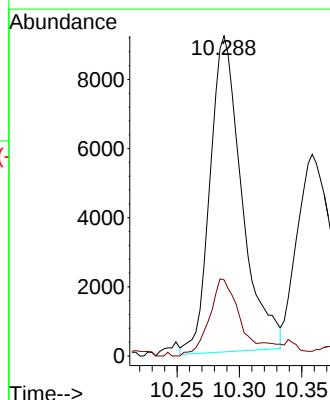
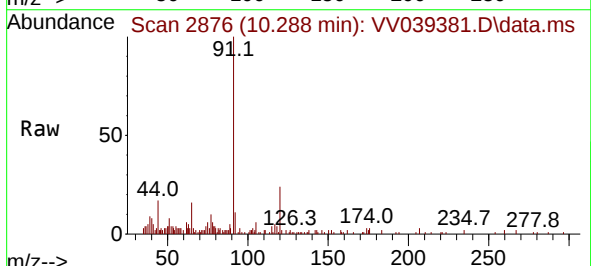
RT: 10.288 min Scan# 2876

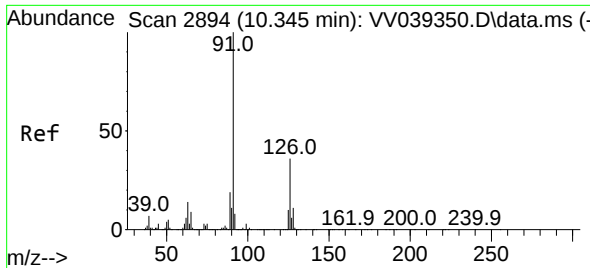
Delta R.T. 0.013 min

Lab File: VV039381.D

Acq: 13 Nov 2025 14:33

Tgt Ion:	91	Resp:	16321
Ion Ratio	Lower	Upper	
91	100		
120	22.6	12.0	36.0





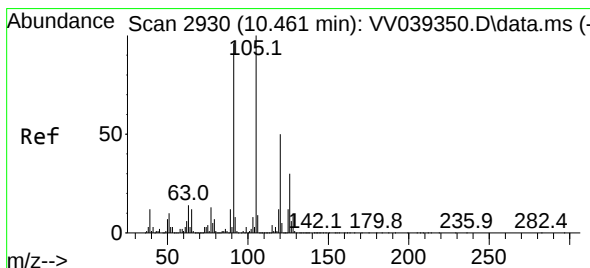
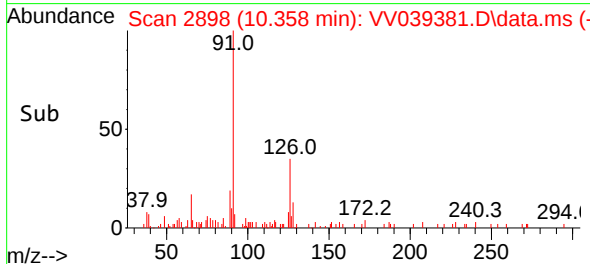
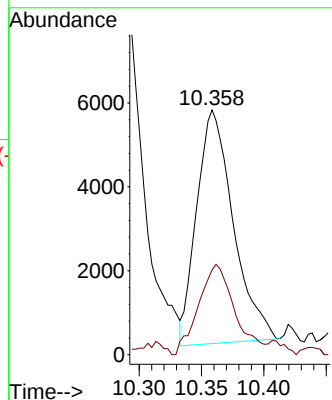
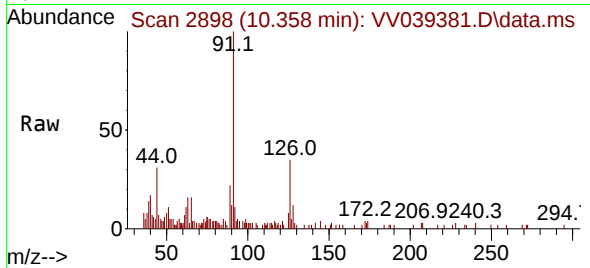
#79
2-Chlorotoluene
Concen: 0.578 ug/l
RT: 10.358 min Scan# 2898
Delta R.T. 0.013 min
Lab File: VV039381.D
Acq: 13 Nov 2025 14:33

Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-03-QT4-2025

Tgt Ion: 91 Resp: 1135
Ion Ratio Lower Upper
91 100
126 38.1 17.6 52.8

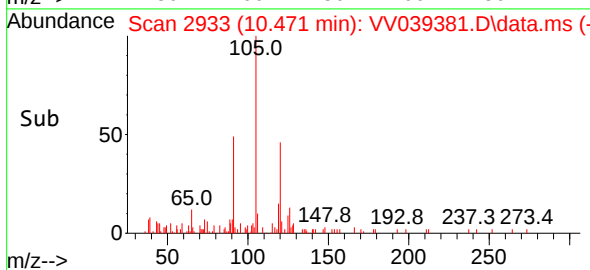
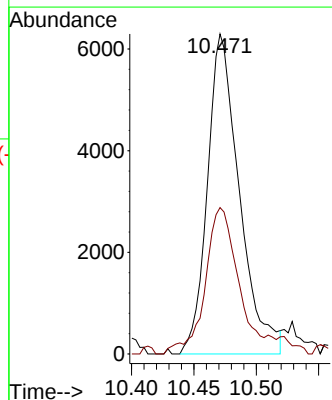
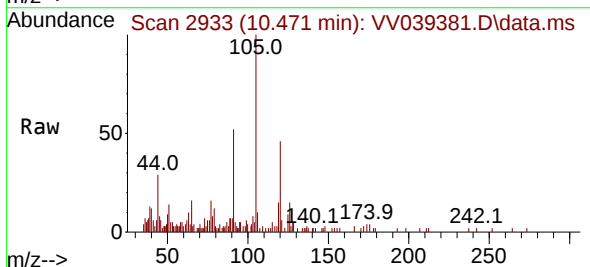
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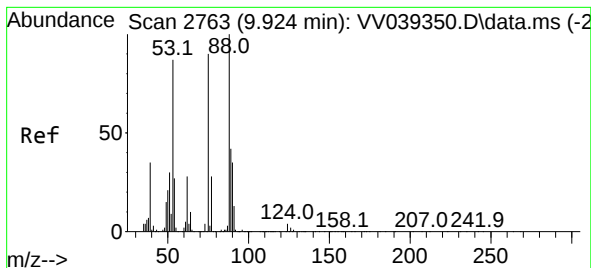
Reviewed By :John Carlone 11/14/2025
Supervised By :Mahesh Dadoda 11/14/2025



#80
1,3,5-Trimethylbenzene
Concen: 0.513 ug/l
RT: 10.471 min Scan# 2933
Delta R.T. 0.010 min
Lab File: VV039381.D
Acq: 13 Nov 2025 14:33

Tgt Ion:105 Resp: 11241
Ion Ratio Lower Upper
105 100
120 46.8 25.1 75.4





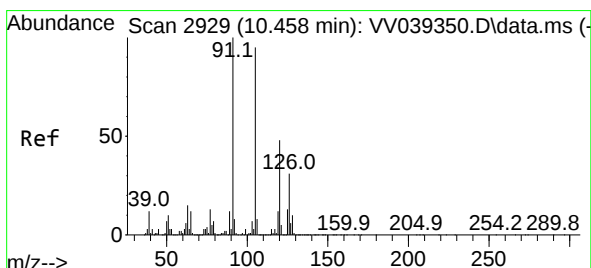
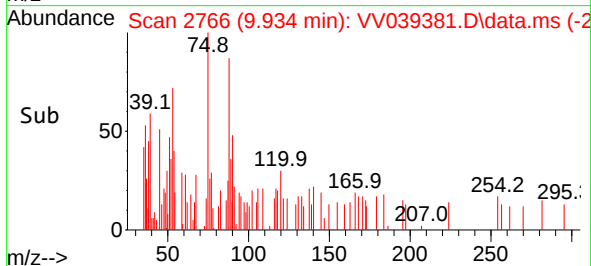
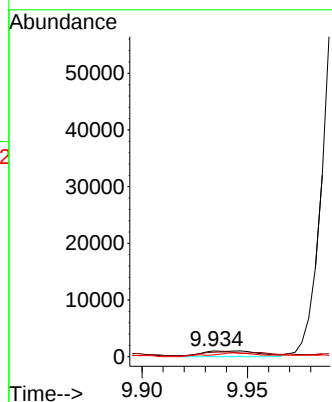
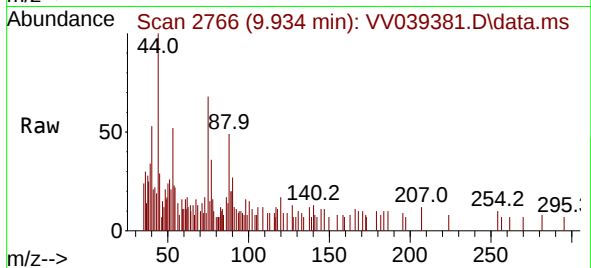
#81
trans-1,4-Dichloro-2-butene
Concen: 0.603 ug/l m
RT: 9.934 min Scan# 211
Delta R.T. 0.010 min
Lab File: VV039381.D
Acq: 13 Nov 2025 14:33

Instrument : MSVOA_V
ClientSampleId : MDL-WATER-03-QT4-2025

Tgt Ion: 75 Resp: 191
Ion Ratio Lower Upper
75 100
53 12.1 79.0 118.6
89 4.6 40.4 60.6

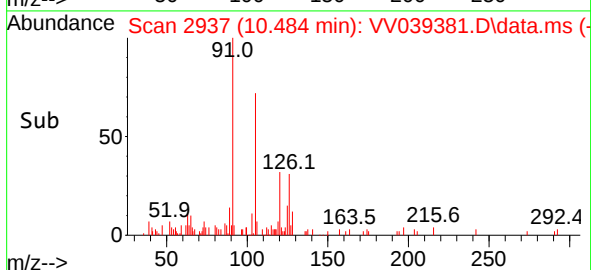
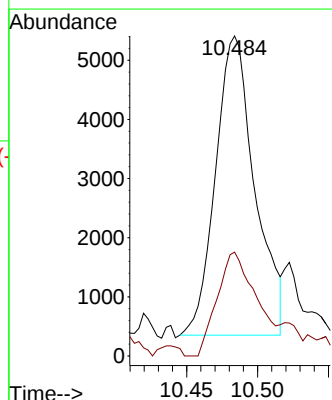
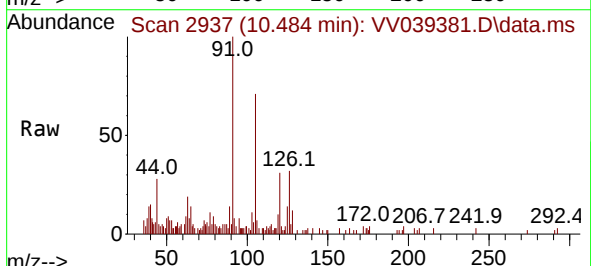
Manual Integrations
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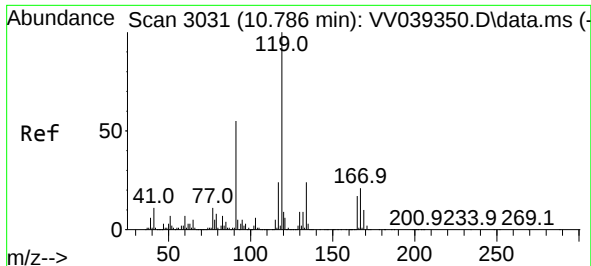
Reviewed By :John Carlone 11/14/2025
Supervised By :Mahesh Dadoda 11/14/2025



#82
4-Chlorotoluene
Concen: 0.445 ug/l
RT: 10.484 min Scan# 2937
Delta R.T. 0.026 min
Lab File: VV039381.D
Acq: 13 Nov 2025 14:33

Tgt Ion: 91 Resp: 9779
Ion Ratio Lower Upper
91 100
126 34.4 15.3 45.9





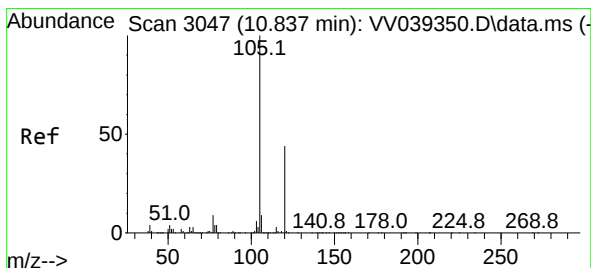
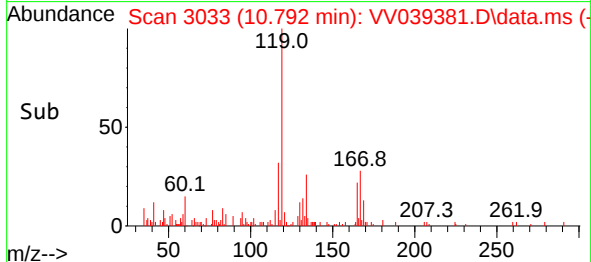
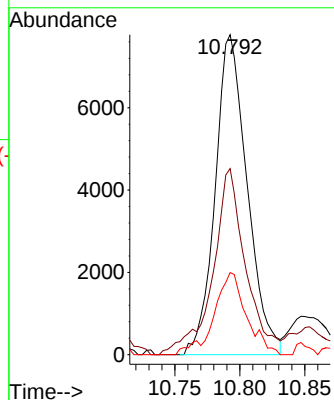
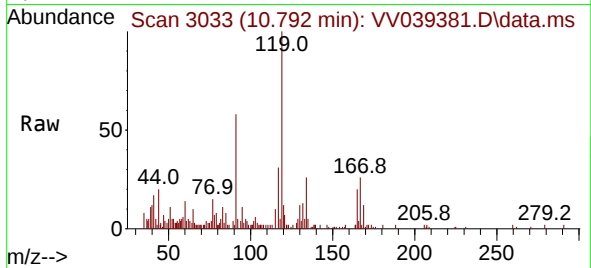
#83
tert-Butylbenzene
Concen: 0.553 ug/l
RT: 10.792 min Scan# 3033
Delta R.T. 0.007 min
Lab File: VV039381.D
Acq: 13 Nov 2025 14:33

Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-03-QT4-2025

Tgt Ion:119 Resp: 1331
Ion Ratio Lower Upper
119 100
91 59.3 26.5 79.5
134 25.9 11.9 35.5

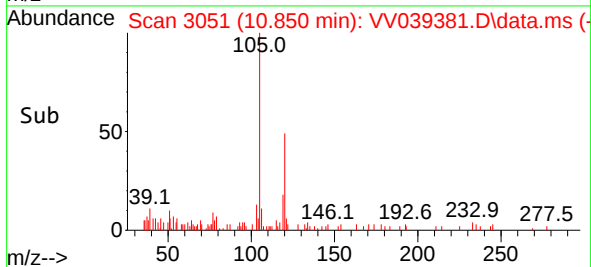
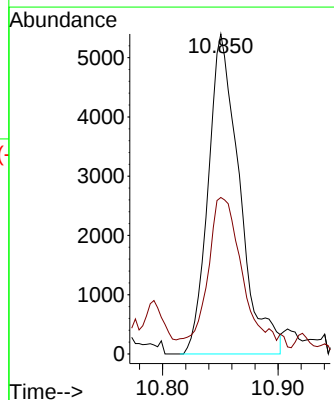
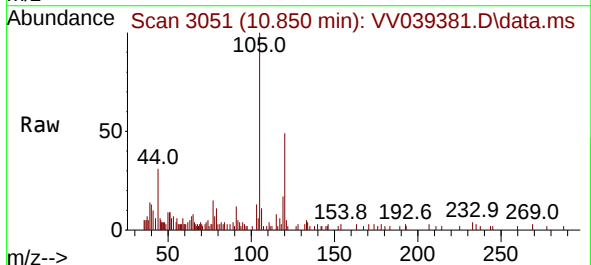
Manual Integrations
APPROVED

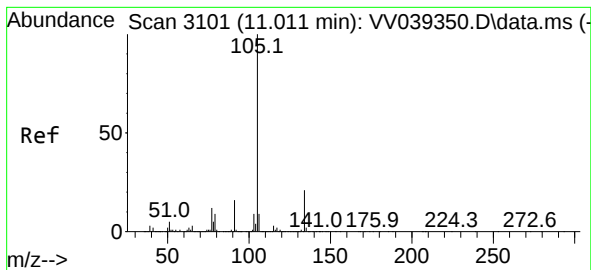
Reviewed By :John Carlone 11/14/2025
Supervised By :Mahesh Dadoda 11/14/2025



#84
1,2,4-Trimethylbenzene
Concen: 0.478 ug/l
RT: 10.850 min Scan# 3051
Delta R.T. 0.013 min
Lab File: VV039381.D
Acq: 13 Nov 2025 14:33

Tgt Ion:105 Resp: 10192
Ion Ratio Lower Upper
105 100
120 53.0 23.0 69.0





#85

sec-Butylbenzene

Concen: 0.506 ug/l

RT: 11.018 min Scan# 3101

Delta R.T. 0.007 min

Lab File: VV039381.D

Acq: 13 Nov 2025 14:33

Instrument :

MSVOA_V

ClientSampleId :

MDL-WATER-03-QT4-2025

Tgt Ion:105 Resp: 1444

Ion Ratio Lower Upper

105 100

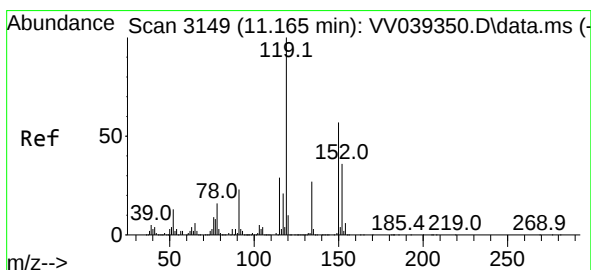
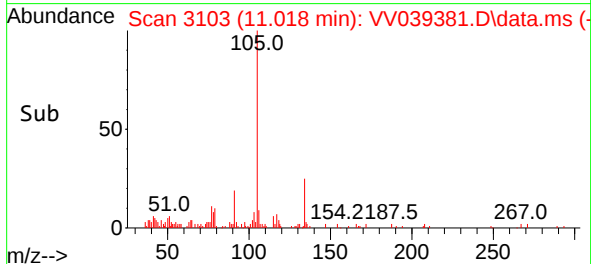
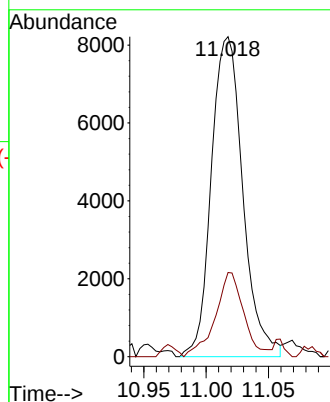
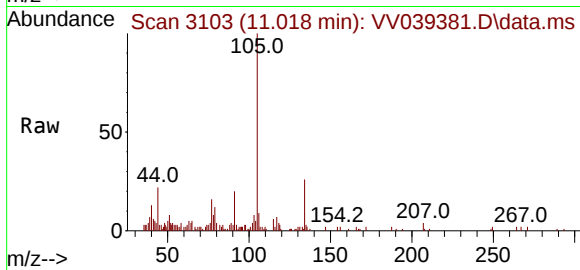
134 23.6 10.5 31.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/14/2025

Supervised By :Mahesh Dadoda 11/14/2025



#86

p-Isopropyltoluene

Concen: 0.519 ug/l

RT: 11.172 min Scan# 3151

Delta R.T. 0.007 min

Lab File: VV039381.D

Acq: 13 Nov 2025 14:33

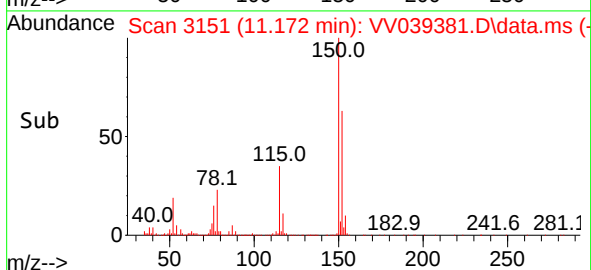
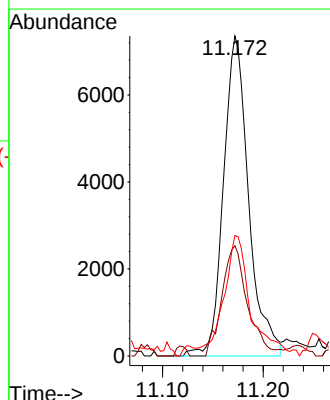
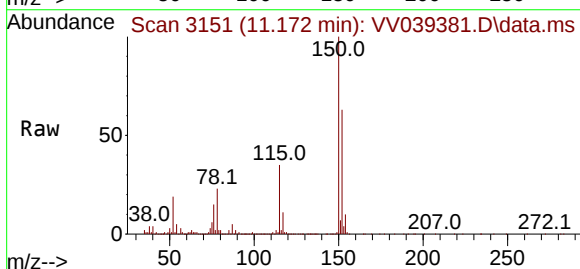
Tgt Ion:119 Resp: 12780

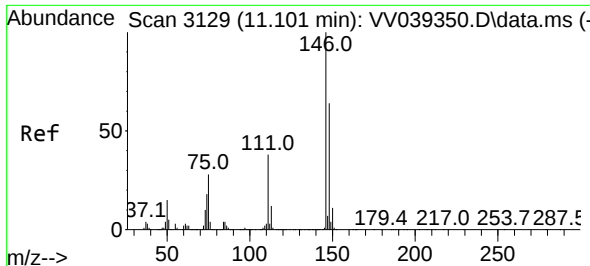
Ion Ratio Lower Upper

119 100

134 35.1 13.4 40.2

91 40.4 11.5 34.4#





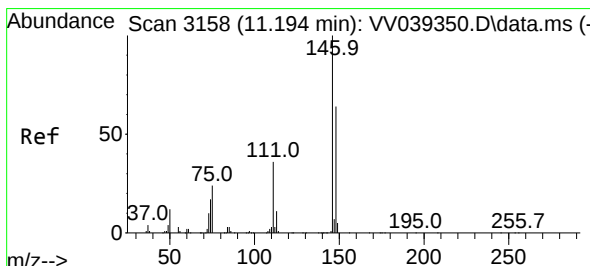
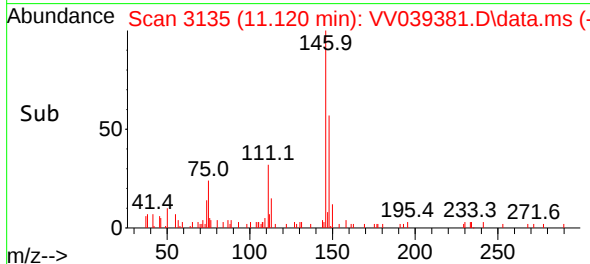
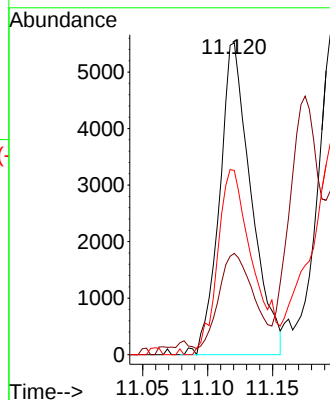
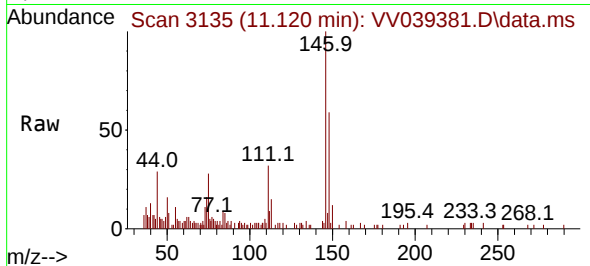
#87
1,3-Dichlorobenzene
Concen: 0.588 ug/l
RT: 11.120 min Scan# 3113
Delta R.T. 0.019 min
Lab File: VV039381.D
Acq: 13 Nov 2025 14:33

Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-03-QT4-2025

Tgt Ion:146 Resp: 9319
Ion Ratio Lower Upper
146 100
111 33.7 18.8 56.4
148 65.9 31.9 95.5

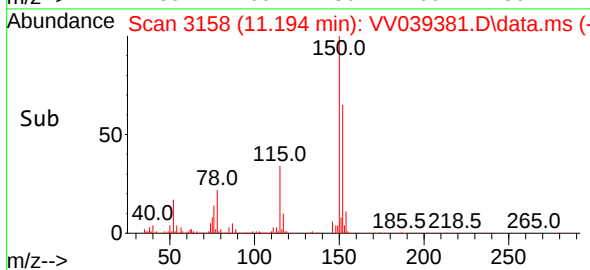
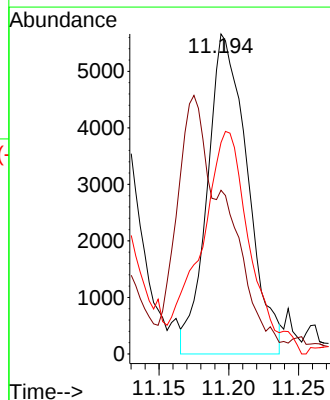
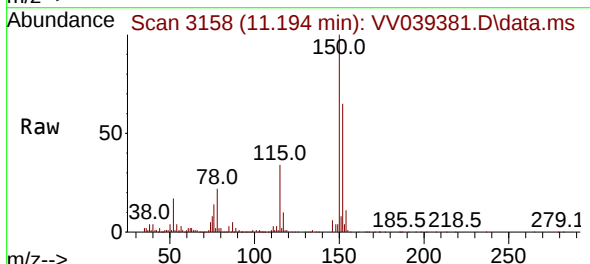
Manual Integrations
APPROVED

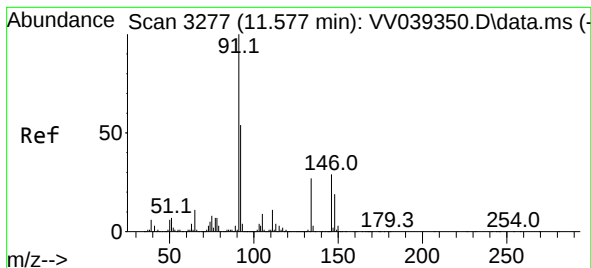
Reviewed By :John Carlone 11/14/2025
Supervised By :Mahesh Dadoda 11/14/2025



#88
1,4-Dichlorobenzene
Concen: 0.654 ug/l m
RT: 11.194 min Scan# 3158
Delta R.T. 0.000 min
Lab File: VV039381.D
Acq: 13 Nov 2025 14:33

Tgt Ion:146 Resp: 11301
Ion Ratio Lower Upper
146 100
111 27.8 18.6 55.8
148 54.3 32.0 96.2





#89

n-Butylbenzene

Concen: 0.513 ug/l

RT: 11.590 min Scan# 3127

Delta R.T. 0.013 min

Lab File: VV039381.D

Acq: 13 Nov 2025 14:33

Instrument :

MSVOA_V

ClientSampleId :

MDL-WATER-03-QT4-2025

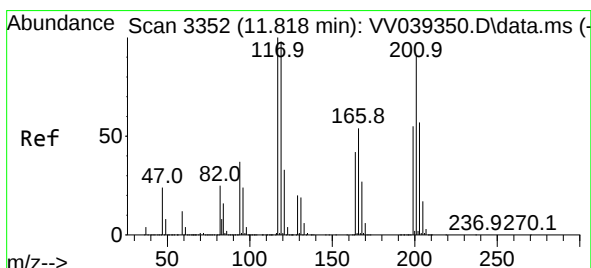
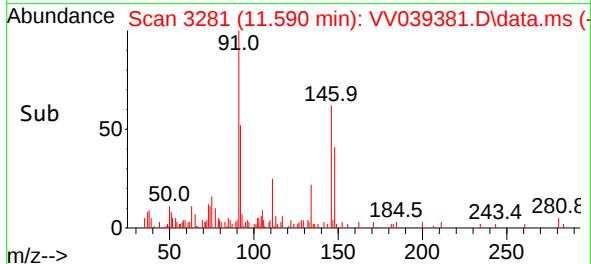
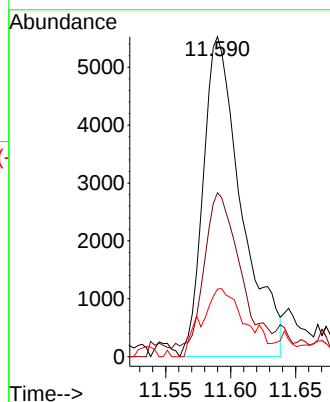
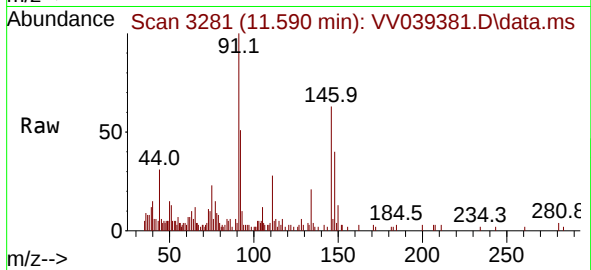
Tgt Ion:	91	Resp:	11270
Ion	Ratio	Lower	Upper
91	100		
92	45.5	26.9	80.7
134	24.4	13.5	40.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/14/2025

Supervised By :Mahesh Dadoda 11/14/2025



#90

Hexachloroethane

Concen: 0.686 ug/l

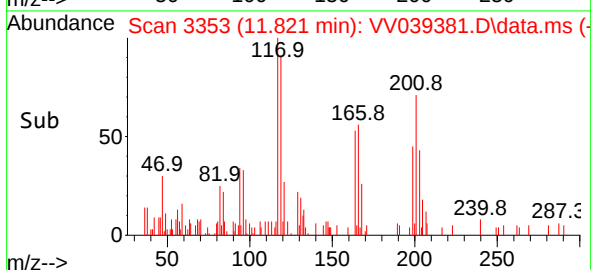
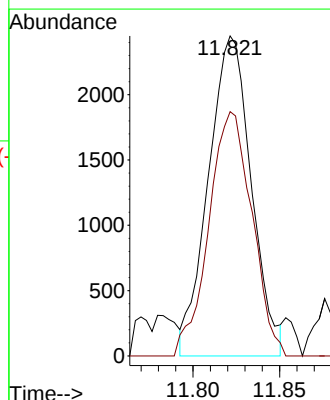
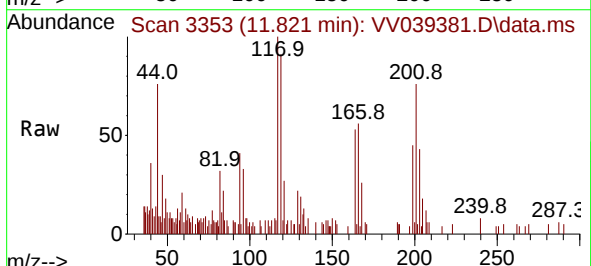
RT: 11.821 min Scan# 3353

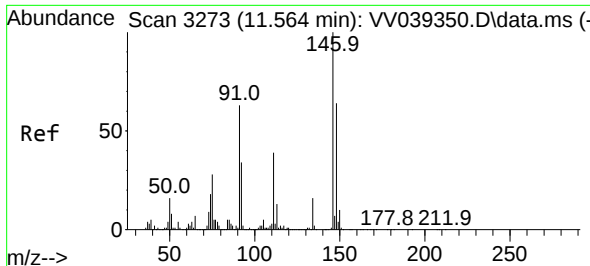
Delta R.T. 0.003 min

Lab File: VV039381.D

Acq: 13 Nov 2025 14:33

Tgt Ion:	117	Resp:	4213
Ion	Ratio	Lower	Upper
117	100		
201	76.8	45.3	135.8





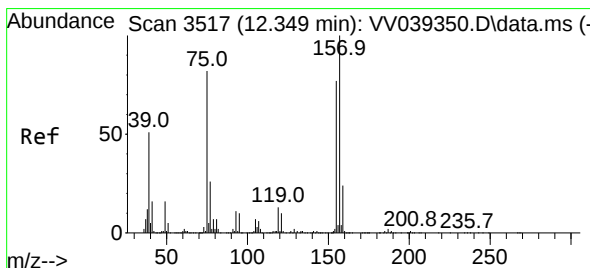
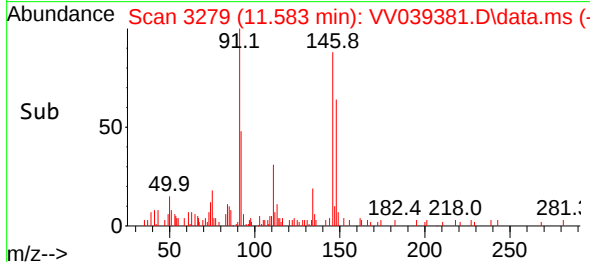
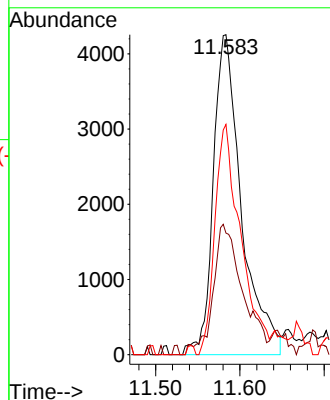
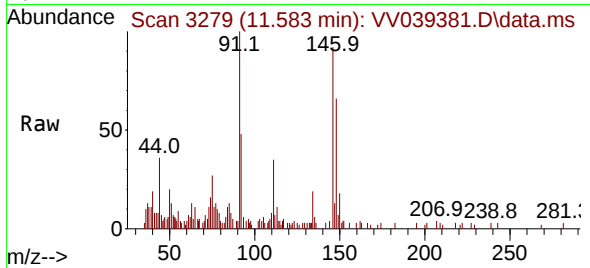
#91
1,2-Dichlorobenzene
Concen: 0.636 ug/l
RT: 11.583 min Scan# 311
Delta R.T. 0.019 min
Lab File: VV039381.D
Acq: 13 Nov 2025 14:33

Instrument : MSVOA_V
ClientSampleId : MDL-WATER-03-QT4-2025

Tgt Ion:146 Resp: 9879
Ion Ratio Lower Upper
146 100
111 41.7 19.5 58.5
148 65.8 32.0 96.0

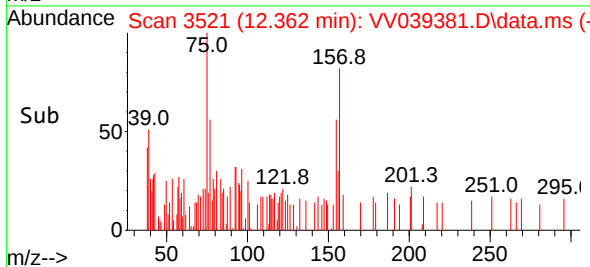
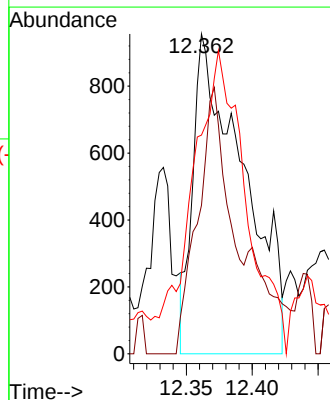
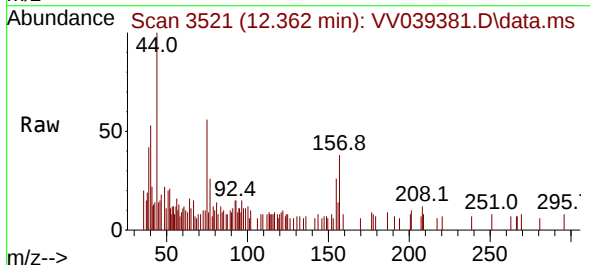
Manual Integrations
APPROVED

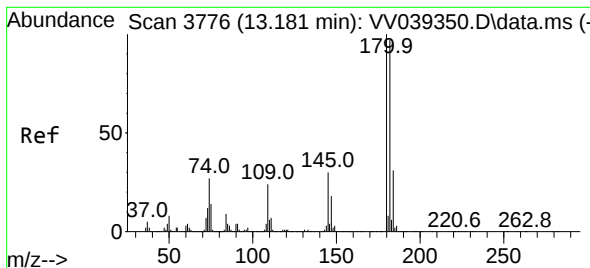
Reviewed By :John Carlone 11/14/2025
Supervised By :Mahesh Dadoda 11/14/2025



#92
1,2-Dibromo-3-Chloropropane
Concen: 1.048 ug/l m
RT: 12.362 min Scan# 3521
Delta R.T. 0.013 min
Lab File: VV039381.D
Acq: 13 Nov 2025 14:33

Tgt Ion: 75 Resp: 2514
Ion Ratio Lower Upper
75 100
155 5.1 47.0 141.2#
157 3.0 61.3 183.9#





#93

1,2,4-Trichlorobenzene

Concen: 0.584 ug/l

RT: 13.201 min Scan# 31

Delta R.T. 0.019 min

Lab File: VV039381.D

Acq: 13 Nov 2025 14:33

Instrument :

MSVOA_V

ClientSampleId :

MDL-WATER-03-QT4-2025

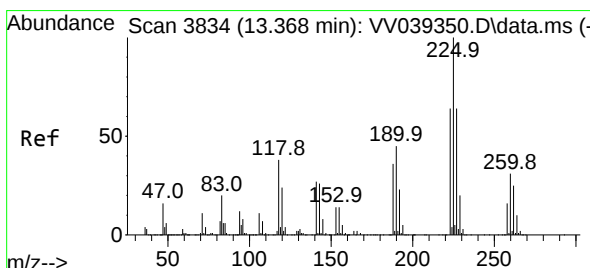
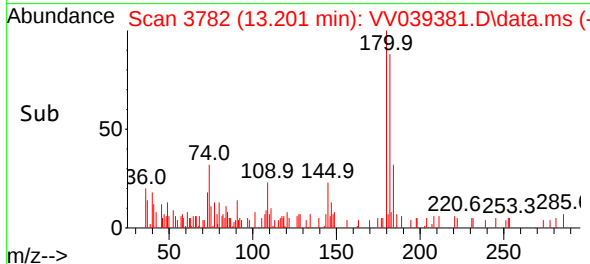
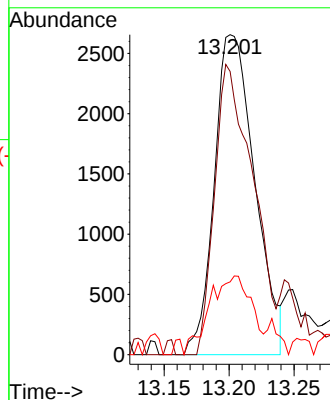
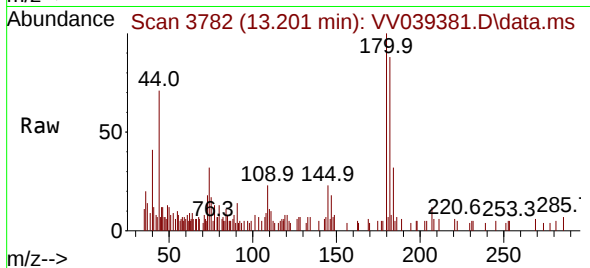
Tgt Ion:	180	Resp:	5750
Ion Ratio	Lower	Upper	
180	100		
182	86.1	48.5	145.5
145	25.6	14.6	43.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/14/2025

Supervised By :Mahesh Dadoda 11/14/2025



#94

Hexachlorobutadiene

Concen: 0.815 ug/l

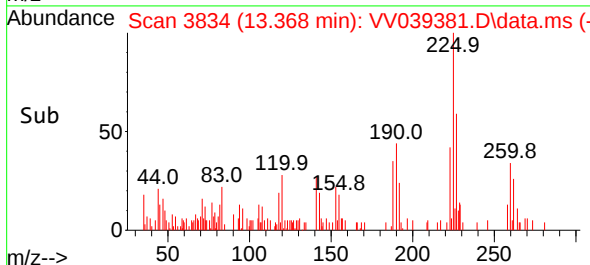
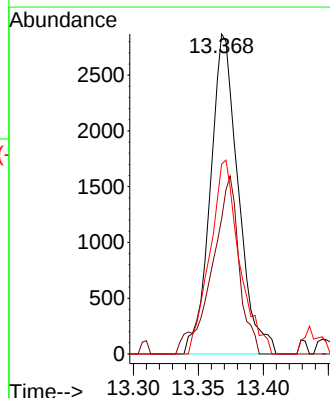
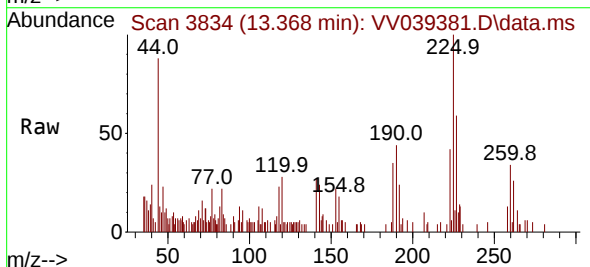
RT: 13.368 min Scan# 3834

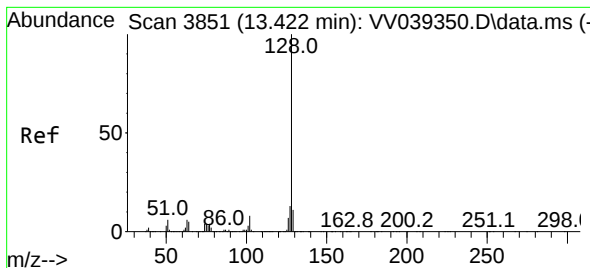
Delta R.T. 0.000 min

Lab File: VV039381.D

Acq: 13 Nov 2025 14:33

Tgt Ion:	225	Resp:	4280
Ion Ratio	Lower	Upper	
225	100		
223	53.4	31.1	93.5
227	64.0	31.7	95.1





#95

Naphthalene

Concen: 0.446 ug/l

RT: 13.442 min Scan# 3930

Delta R.T. 0.019 min

Lab File: VV039381.D

Acq: 13 Nov 2025 14:33

Instrument :

MSVOA_V

ClientSampleId :

MDL-WATER-03-QT4-2025

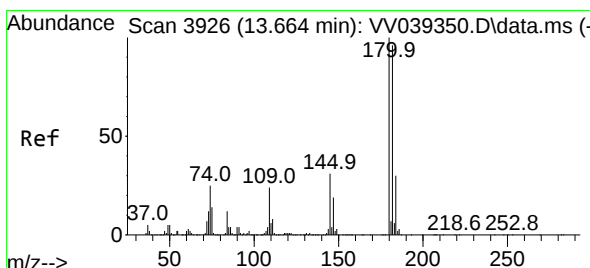
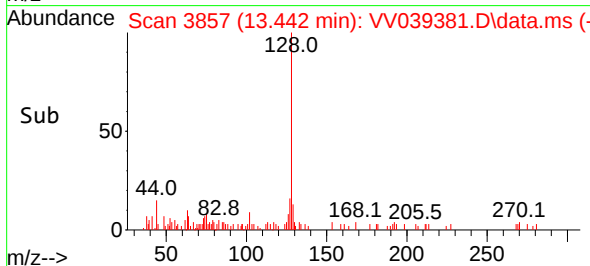
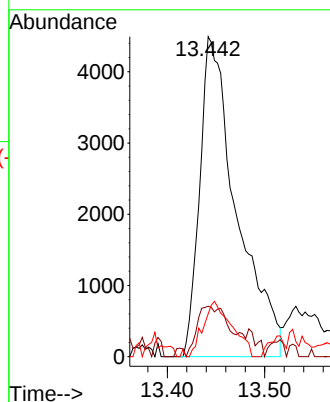
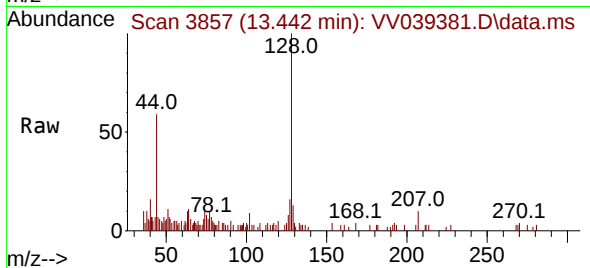
Tgt Ion:	128	Resp:	11770
Ion	Ratio	Lower	Upper
128	100		
127	14.6	10.4	15.6
129	13.4	8.4	12.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/14/2025

Supervised By :Mahesh Dadoda 11/14/2025



#96

1,2,3-Trichlorobenzene

Concen: 0.596 ug/l

RT: 13.677 min Scan# 3930

Delta R.T. 0.013 min

Lab File: VV039381.D

Acq: 13 Nov 2025 14:33

Tgt Ion:	180	Resp:	6059
Ion	Ratio	Lower	Upper
180	100		
182	90.4	47.9	143.6
145	30.4	15.3	45.9

