

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VW111325\
 Data File : VV039380.D
 Acq On : 13 Nov 2025 14:11
 Operator : SY/MD
 Sample : Q3530-09
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 8 Sample Multiplier: 1

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

Quant Time: Nov 14 05:49:27 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	4.596	168	735773	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	5.529	114	1130151	50.000	ug/l	0.00
63) Chlorobenzene-d5	8.773	117	1073700	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.172	152	569720	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.937	65	535220	58.964	ug/l	0.00
Spiked Amount 50.000	Range 81 - 118		Recovery = 117.920%			
35) Dibromofluoromethane	4.500	113	460185	53.089	ug/l	0.00
Spiked Amount 50.000	Range 80 - 119		Recovery = 106.180%			
50) Toluene-d8	7.233	98	1338273	46.720	ug/l	0.00
Spiked Amount 50.000	Range 89 - 112		Recovery = 93.440%			
62) 4-Bromofluorobenzene	10.001	95	488088	44.345	ug/l	0.00
Spiked Amount 50.000	Range 85 - 114		Recovery = 88.680%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.124	85	2177	0.496	ug/l	85
3) Chloromethane	1.230	50	2409m	0.588	ug/l	
4) Vinyl Chloride	1.304	62	2085	0.412	ug/l #	80
5) Bromomethane	1.500	94	2281	0.758	ug/l #	66
6) Chloroethane	1.558	64	1034	0.277	ug/l	91
7) Trichlorofluoromethane	1.732	101	2978	0.289	ug/l	94
8) Diethyl Ether	1.918	74	2070	0.527	ug/l	58
9) 1,1,2-Trichlorotrifluo...	2.079	101	2677	0.395	ug/l #	69
10) Methyl Iodide	2.198	142	3106	0.745	ug/l	93
11) Tert butyl alcohol	2.587	59	3003m	3.088	ug/l	
12) 1,1-Dichloroethene	2.089	96	2237	0.418	ug/l #	70
13) Acrolein	2.024	56	1731m	18.974	ug/l	
14) Allyl chloride	2.362	41	2648	0.277	ug/l #	62
15) Acrylonitrile	2.674	53	491	0.130	ug/l #	52
16) Acetone	2.124	43	13495	2.810	ug/l #	85
17) Carbon Disulfide	2.253	76	4053	0.479	ug/l #	77
18) Methyl Acetate	2.407	43	3504m	0.273	ug/l	
19) Methyl tert-butyl Ether	2.716	73	6510	0.323	ug/l	94
20) Methylene Chloride	2.462	84	3781	0.510	ug/l #	77
21) trans-1,2-Dichloroethene	2.722	96	2396	0.451	ug/l #	59
22) Diisopropyl ether	3.224	45	3866	0.186	ug/l #	23
23) Vinyl Acetate	3.269	43	21180m	1.446	ug/l	
24) 1,1-Dichloroethane	3.127	63	4350m	0.345	ug/l	
25) 2-Butanone	4.040	43	9065m	1.809	ug/l	
26) 2,2-Dichloropropane	3.828	77	4092m	0.386	ug/l	
27) cis-1,2-Dichloroethene	3.873	96	3182m	0.441	ug/l	
28) Bromochloromethane	4.172	49	3133m	0.568	ug/l	
29) Tetrahydrofuran	4.301	42	6406m	2.284	ug/l	
30) Chloroform	4.288	83	4939m	0.355	ug/l	
31) Cyclohexane	4.593	56	12385	1.569	ug/l #	2
32) 1,1,1-Trichloroethane	4.519	97	4103	0.352	ug/l #	33
36) 1,1-Dichloropropene	4.773	75	3763m	0.504	ug/l	
37) Ethyl Acetate	4.040	43	7436m	0.648	ug/l	
38) Carbon Tetrachloride	4.738	117	5869m	0.529	ug/l	
39) Methylcyclohexane	6.040	83	3601m	0.453	ug/l	
40) Benzene	5.037	78	5602	0.215	ug/l #	77

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

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.249	41	2548m	0.622	ug/l	
42) 1,2-Dichloroethane	5.056	62	4536m	0.446	ug/l	
43) Isopropyl Acetate	5.278	43	5764m	0.377	ug/l	
44) Trichloroethene	5.854	130	2315	0.327	ug/l	53
45) 1,2-Dichloropropane	6.133	63	2954m	0.418	ug/l	
46) Dibromomethane	6.259	93	2794m	0.492	ug/l	
47) Bromodichloromethane	6.442	83	2904	0.236	ug/l #	56
48) Methyl methacrylate	6.362	41	3174m	0.446	ug/l	
49) 1,4-Dioxane	6.497	88	3341m	30.482	ug/l	
51) 4-Methyl-2-Pentanone	7.169	43	9277	0.888	ug/l	96
52) Toluene	7.320	92	5477	0.335	ug/l	82
53) t-1,3-Dichloropropene	7.622	75	4408m	0.416	ug/l	
54) cis-1,3-Dichloropropene	6.976	75	3759m	0.334	ug/l	
55) 1,1,2-Trichloroethane	7.783	97	2903m	0.350	ug/l	
56) Ethyl methacrylate	7.805	69	3239m	0.324	ug/l	
57) 1,3-Dichloropropane	7.956	76	5975m	0.469	ug/l	
58) 2-Chloroethyl Vinyl ether	6.889	63	5263m	1.850	ug/l	
59) 2-Hexanone	8.124	43	5506m	0.738	ug/l	
60) Dibromochloromethane	8.175	129	3776	0.356	ug/l	84
61) 1,2-Dibromoethane	8.304	107	2421m	0.300	ug/l	
64) Tetrachloroethene	7.908	164	2091	0.315	ug/l #	75
65) Chlorobenzene	8.809	112	7203	0.337	ug/l	100
66) 1,1,1,2-Tetrachloroethane	8.905	131	3377	0.379	ug/l #	65
67) Ethyl Benzene	8.950	91	7663	0.248	ug/l	94
68) m/p-Xylenes	9.079	106	5423	0.464	ug/l	98
69) o-Xylene	9.481	106	2606	0.236	ug/l	79
70) Styrene	9.545	104	5367m	0.272	ug/l	
71) Bromoform	9.667	173	3395	0.410	ug/l #	83
73) Isopropylbenzene	9.863	105	7083	0.255	ug/l	84
74) N-amyl acetate	9.776	43	3329m	0.305	ug/l	
75) 1,1,2,2-Tetrachloroethane	10.175	83	4877	0.403	ug/l	86
76) 1,2,3-Trichloropropane	10.207	75	2783m	0.315	ug/l	
77) Bromobenzene	10.156	156	2956	0.344	ug/l	84
78) n-propylbenzene	10.291	91	9204	0.289	ug/l	89
79) 2-Chlorotoluene	10.362	91	5273	0.258	ug/l	98
80) 1,3,5-Trimethylbenzene	10.474	105	6042	0.266	ug/l	98
81) trans-1,4-Dichloro-2-b...	9.960	75	1454m	0.441	ug/l	
82) 4-Chlorotoluene	10.493	91	6721	0.295	ug/l	94
83) tert-Butylbenzene	10.792	119	6417	0.257	ug/l	81
84) 1,2,4-Trimethylbenzene	10.853	105	5663	0.256	ug/l	91
85) sec-Butylbenzene	11.017	105	7949	0.268	ug/l	93
86) p-Isopropyltoluene	11.172	119	7287	0.285	ug/l #	57
87) 1,3-Dichlorobenzene	11.124	146	5393	0.327	ug/l	92
88) 1,4-Dichlorobenzene	11.198	146	6832m	0.380	ug/l	
89) n-Butylbenzene	11.596	91	5033	0.221	ug/l	80
90) Hexachloroethane	11.818	117	2793m	0.438	ug/l	
91) 1,2-Dichlorobenzene	11.583	146	5135m	0.319	ug/l	
92) 1,2-Dibromo-3-Chloropr...	12.368	75	3630m	1.457	ug/l	
93) 1,2,4-Trichlorobenzene	13.201	180	4230m	0.414	ug/l	
94) Hexachlorobutadiene	13.374	225	2562	0.470	ug/l	92
95) Naphthalene	13.458	128	8637m	0.315	ug/l	
96) 1,2,3-Trichlorobenzene	13.677	180	3072	0.291	ug/l	92

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Quant Title : SW846 8260
QLast Update : Fri Nov 14 05:49:16 2025
Response via : Initial Calibration

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

Manual Integrations
APPROVED

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Supervised By :Mahesh Dadoda 11/14/2025

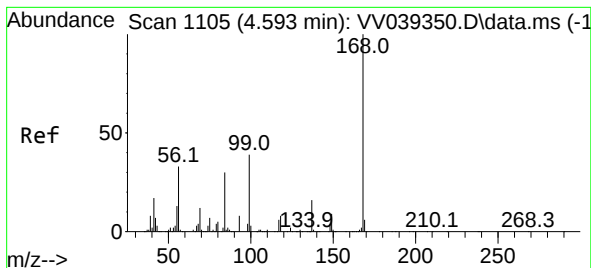
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

Manual Integrations

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.596 min Scan# 11

Delta R.T. 0.003 min

Lab File: VV039380.D

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Instrument :

MSVOA_V

ClientSampleId :

MDL-WATER-03-QT4-2025

Tgt Ion:168 Resp: 73577

Ion Ratio Lower Upper

168 100

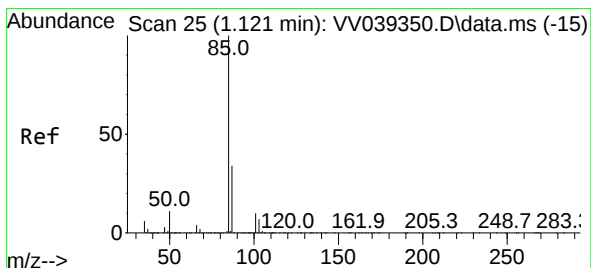
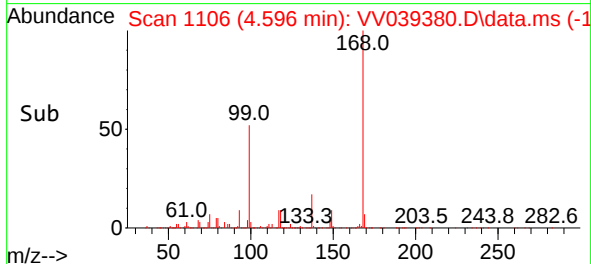
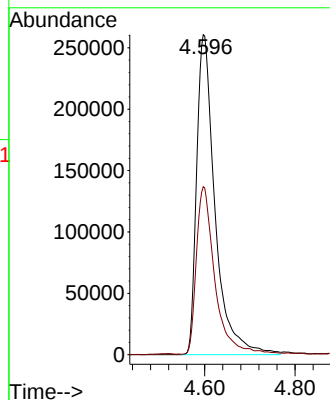
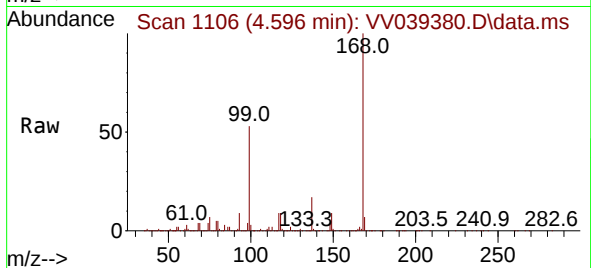
99 52.3 41.2 61.8

Manual Integrations

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Supervised By :Mahesh Dadoda 11/14/2025



#2

Dichlorodifluoromethane

Concen: 0.496 ug/l

RT: 1.124 min Scan# 26

Delta R.T. 0.003 min

Lab File: VV039380.D

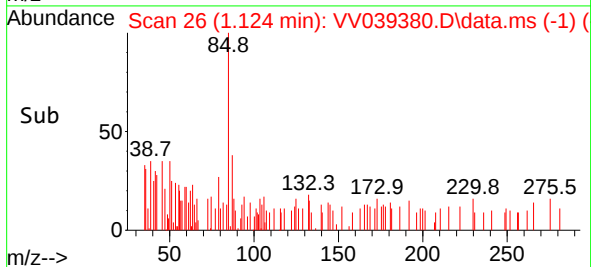
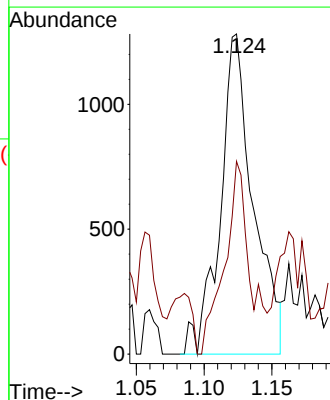
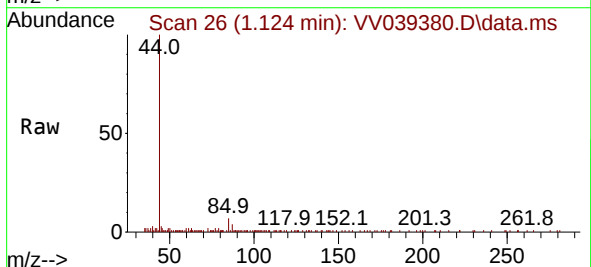
Acq: 13 Nov 2025 14:11

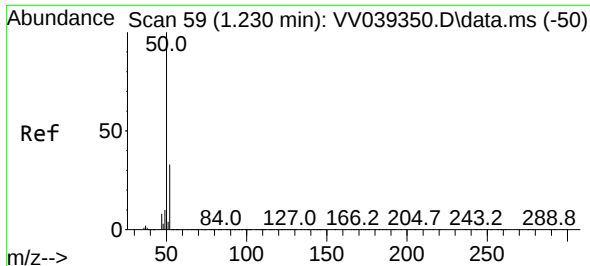
Tgt Ion: 85 Resp: 2177

Ion Ratio Lower Upper

85 100

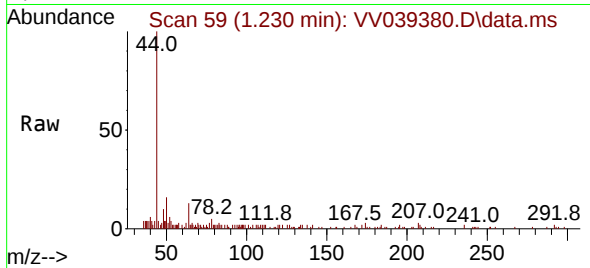
87 42.4 16.9 50.7





#3
Chloromethane
Concen: 0.588 ug/l m
RT: 1.230 min Scan# 59
Delta R.T. 0.000 min
Lab File: VV039380.D
Acq: 13 Nov 2025 14:11

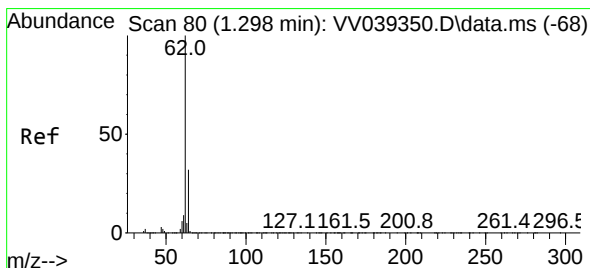
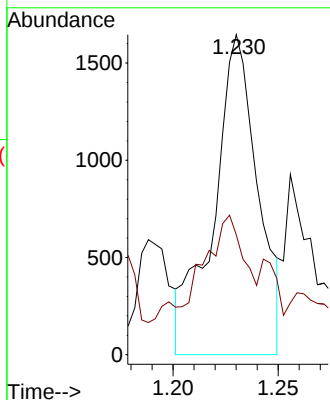
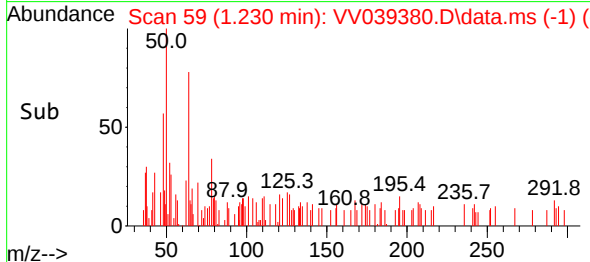
Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-03-QT4-2025



Tgt Ion: 50 Resp: 2409
Ion Ratio Lower Upper
50 100
52 37.5 26.6 39.8

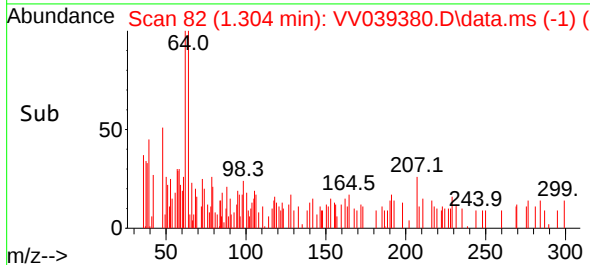
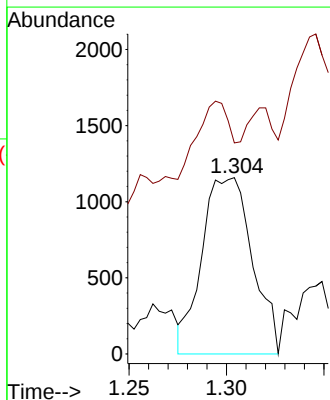
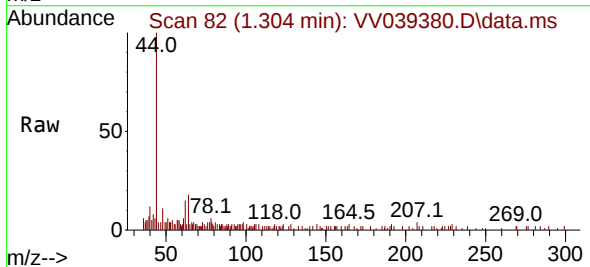
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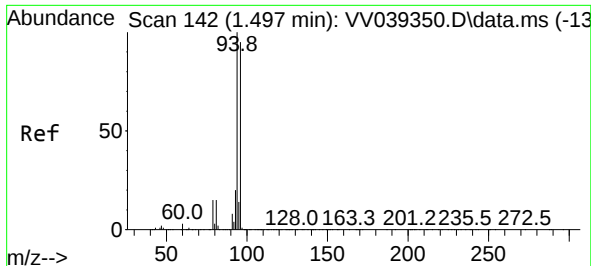
Reviewed By :John Carlone 11/14/2025
Supervised By :Mahesh Dadoda 11/14/2025



#4
Vinyl Chloride
Concen: 0.412 ug/l
RT: 1.304 min Scan# 82
Delta R.T. 0.006 min
Lab File: VV039380.D
Acq: 13 Nov 2025 14:11

Tgt Ion: 62 Resp: 2085
Ion Ratio Lower Upper
62 100
64 20.6 25.3 37.9#





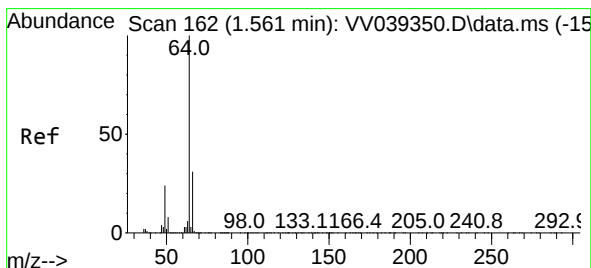
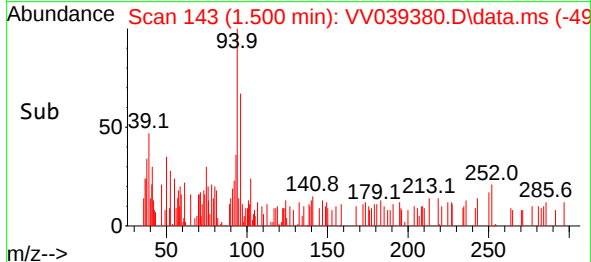
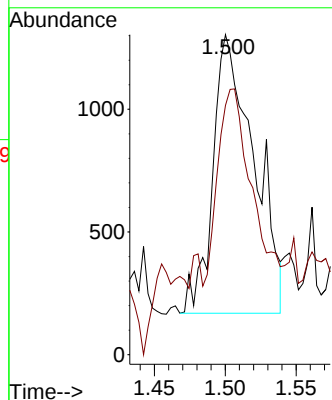
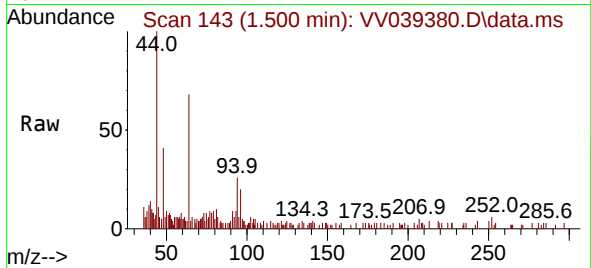
#5
Bromomethane
Concen: 0.758 ug/l
RT: 1.500 min Scan# 142
Delta R.T. 0.003 min
Lab File: VV039380.D
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MSVOA_V
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Tgt Ion: 94 Resp: 228
Ion Ratio Lower Upper
94 100
96 61.4 75.6 113.4

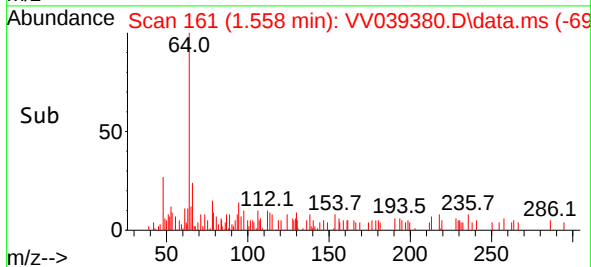
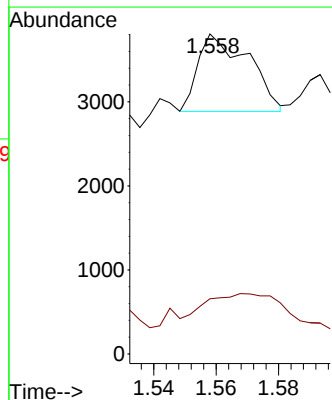
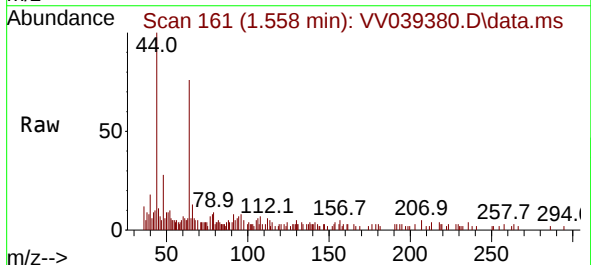
Manual Integrations
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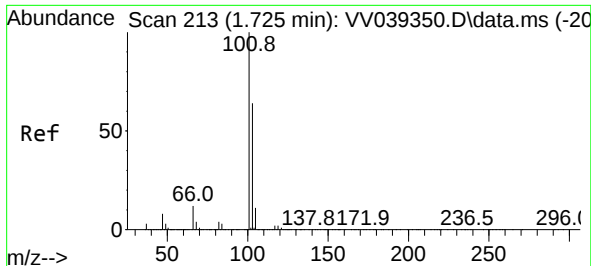
Reviewed By :John Carlone 11/14/2025
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#6
Chloroethane
Concen: 0.277 ug/l
RT: 1.558 min Scan# 161
Delta R.T. -0.003 min
Lab File: VV039380.D
Acq: 13 Nov 2025 14:11

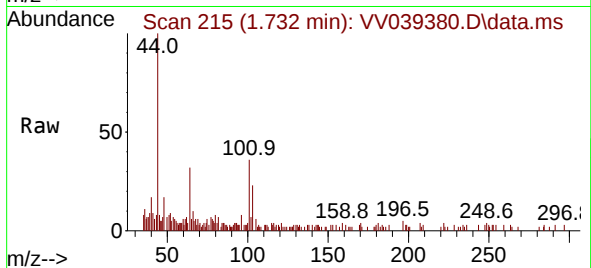
Tgt Ion: 64 Resp: 1034
Ion Ratio Lower Upper
64 100
66 25.7 24.7 37.1





#7
Trichlorofluoromethane
Concen: 0.289 ug/l
RT: 1.732 min Scan# 213
Delta R.T. 0.007 min
Lab File: VV039380.D
Acq: 13 Nov 2025 14:11

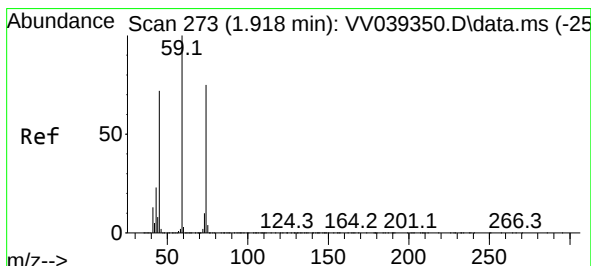
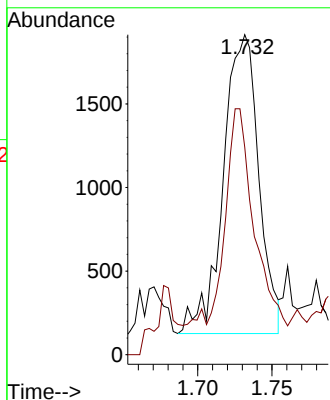
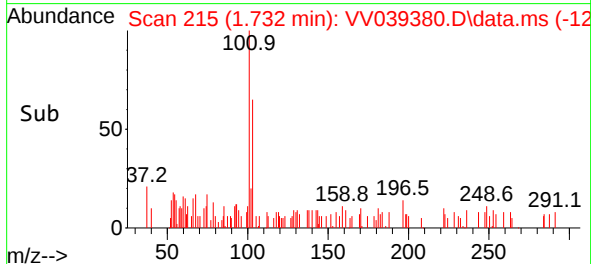
Instrument : MSVOA_V
ClientSampleId :
MDL-WATER-03-QT4-2025



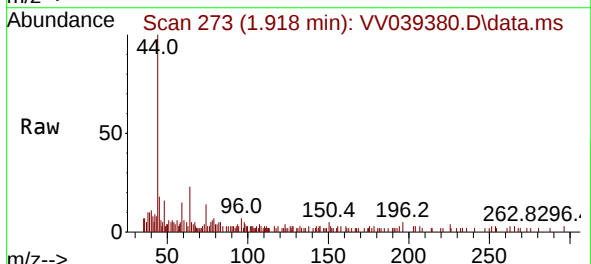
Tgt Ion:101 Resp: 2978
Ion Ratio Lower Upper
101 100
103 59.3 50.9 76.3

Manual Integrations
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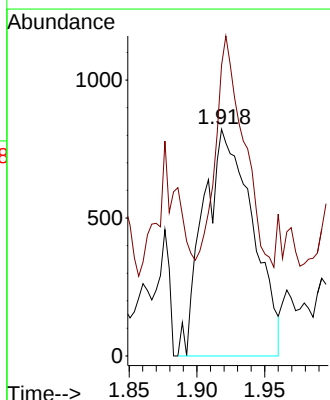
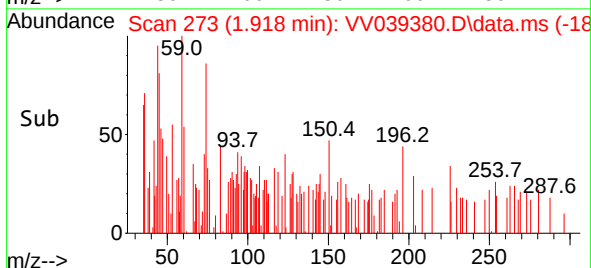
Reviewed By :John Carlone 11/14/2025
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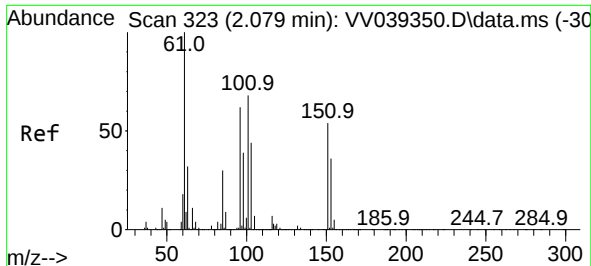


#8
Diethyl Ether
Concen: 0.527 ug/l
RT: 1.918 min Scan# 273
Delta R.T. 0.000 min
Lab File: VV039380.D
Acq: 13 Nov 2025 14:11



Tgt Ion: 74 Resp: 2070
Ion Ratio Lower Upper
74 100
45 58.5 50.6 151.8





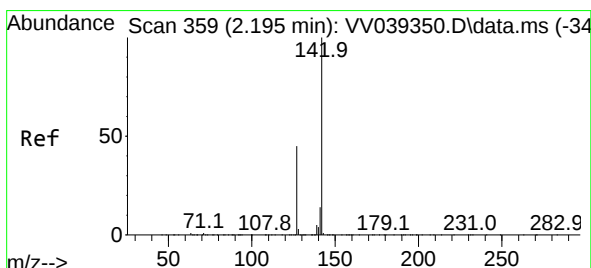
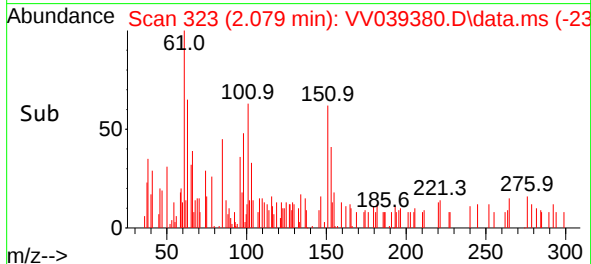
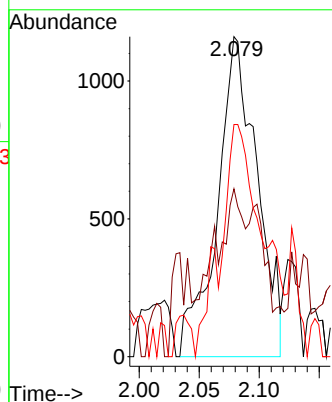
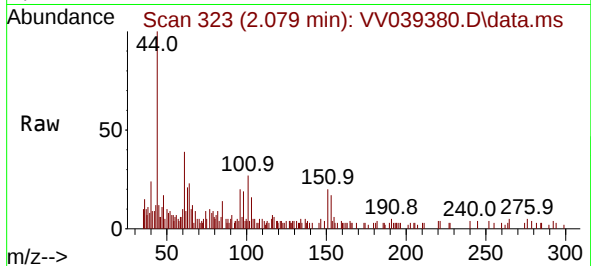
#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.395 ug/l
RT: 2.079 min Scan# 31
Delta R.T. -0.000 min
Lab File: VV039380.D
Acq: 13 Nov 2025 14:11

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

Tgt Ion:101 Resp: 267
Ion Ratio Lower Upper
101 100
85 4.6 33.5 50.3
151 65.2 63.6 95.4

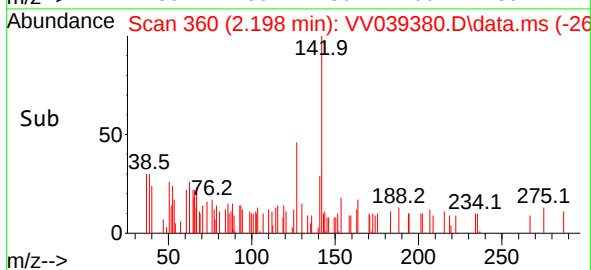
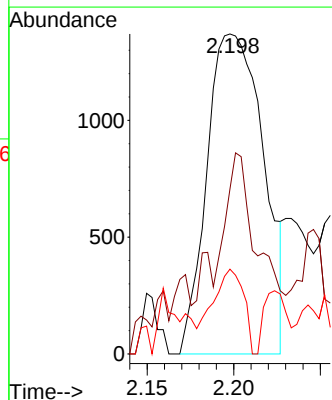
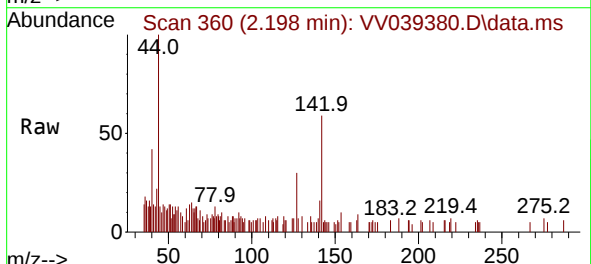
Manual Integrations
APPROVED

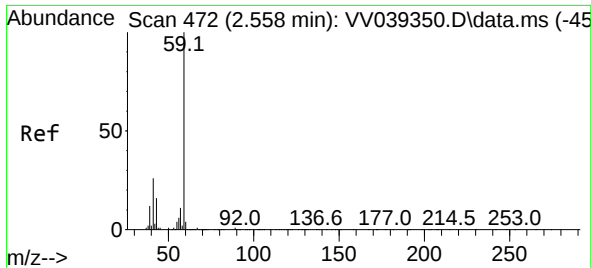
Reviewed By :John Carlone 11/14/2025
Supervised By :Mahesh Dadoda 11/14/2025



#10
Methyl Iodide
Concen: 0.745 ug/l
RT: 2.198 min Scan# 360
Delta R.T. 0.003 min
Lab File: VV039380.D
Acq: 13 Nov 2025 14:11

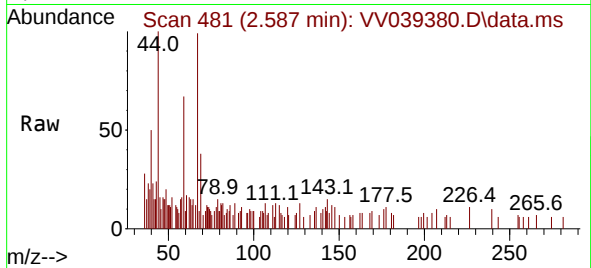
Tgt Ion:142 Resp: 3106
Ion Ratio Lower Upper
142 100
127 38.1 35.1 52.7
141 14.7 11.9 17.9





#11
Tert butyl alcohol
Concen: 3.088 ug/l m
RT: 2.587 min Scan# 41
Delta R.T. 0.029 min
Lab File: VV039380.D
Acq: 13 Nov 2025 14:11

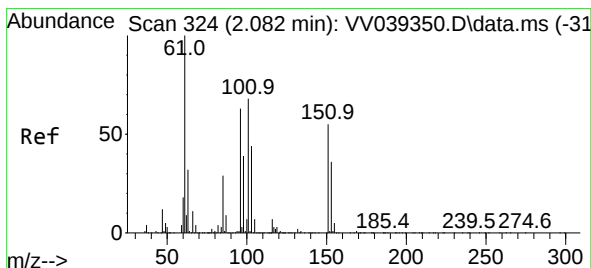
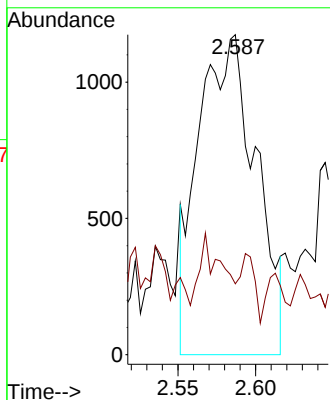
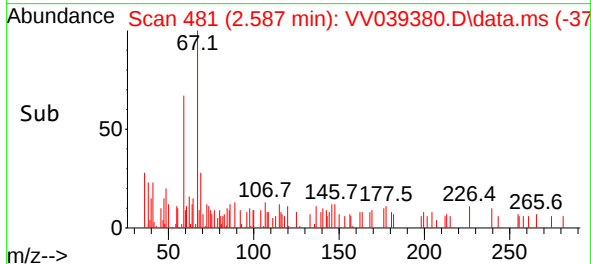
Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-03-QT4-2025



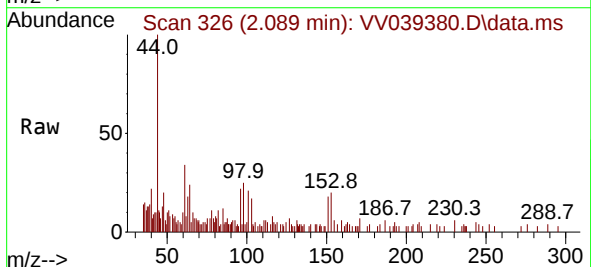
Tgt Ion: 59 Resp: 300
Ion Ratio Lower Upper
59 100
57 10.7 8.0 12.0

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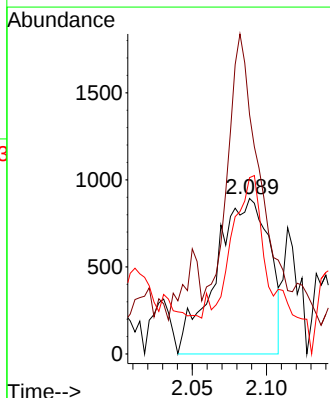
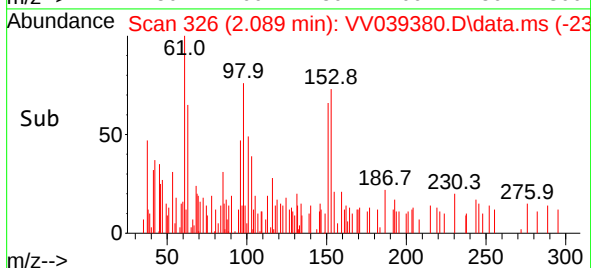
Reviewed By :John Carlone 11/14/2025
Supervised By :Mahesh Dadoda 11/14/2025

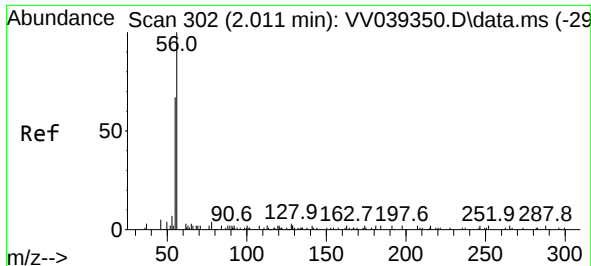


#12
1,1-Dichloroethene
Concen: 0.418 ug/l
RT: 2.089 min Scan# 326
Delta R.T. 0.007 min
Lab File: VV039380.D
Acq: 13 Nov 2025 14:11



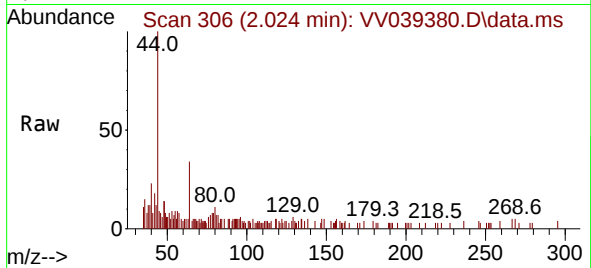
Tgt Ion: 96 Resp: 2237
Ion Ratio Lower Upper
96 100
61 119.8 127.8 191.6#
98 86.3 50.2 75.2#





#13
Acrolein
Concen: 18.974 ug/l m
RT: 2.024 min Scan# 306
Delta R.T. 0.013 min
Lab File: VV039380.D
Acq: 13 Nov 2025 14:11

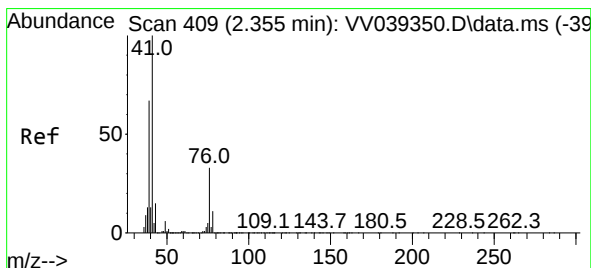
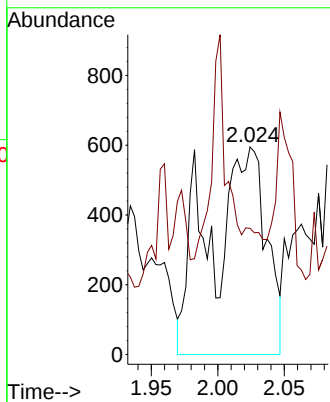
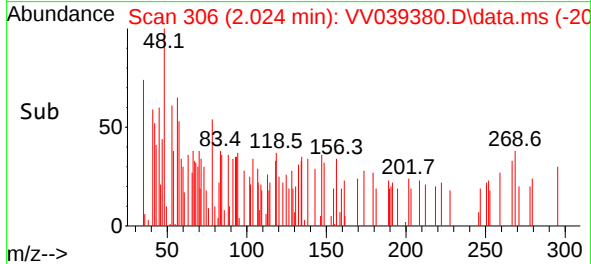
Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-03-QT4-2025



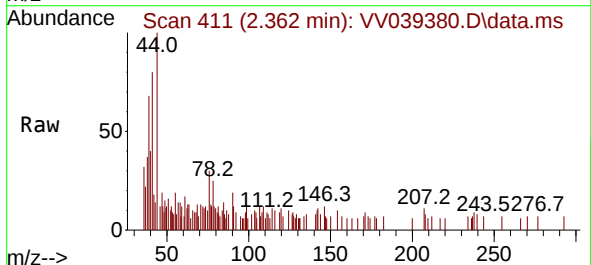
Tgt Ion: 56 Resp: 173
Ion Ratio Lower Upper
56 100
55 27.7 55.2 82.8

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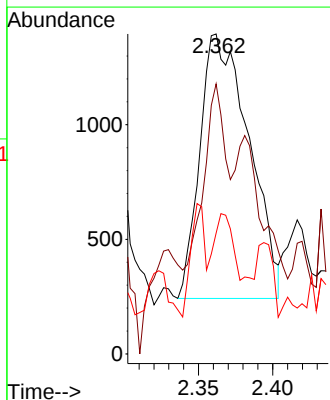
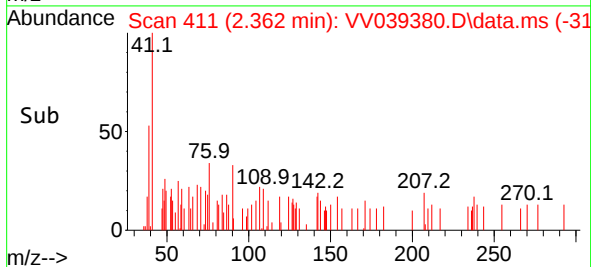
Reviewed By :John Carlone 11/14/2025
Supervised By :Mahesh Dadoda 11/14/2025

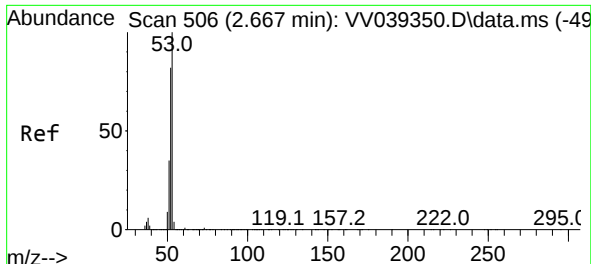


#14
Allyl chloride
Concen: 0.277 ug/l
RT: 2.362 min Scan# 411
Delta R.T. 0.007 min
Lab File: VV039380.D
Acq: 13 Nov 2025 14:11



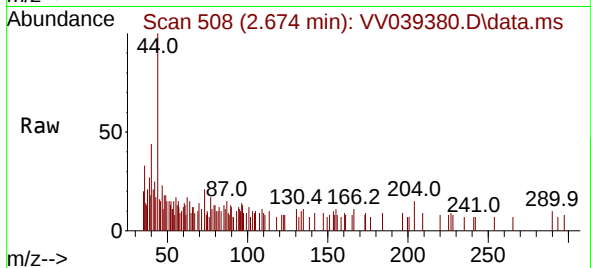
Tgt Ion: 41 Resp: 2648
Ion Ratio Lower Upper
41 100
39 30.7 50.7 76.1#
76 16.4 27.0 40.6#





#15
Acrylonitrile
Concen: 0.130 ug/l
RT: 2.674 min Scan# 50
Delta R.T. 0.007 min
Lab File: VV039380.D
Acq: 13 Nov 2025 14:11

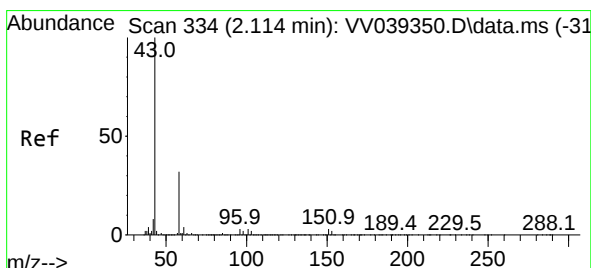
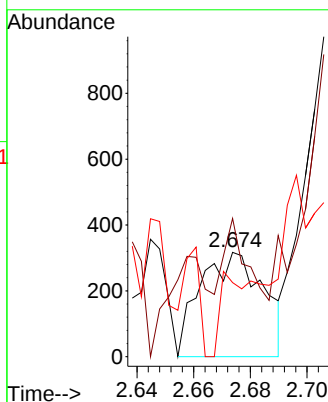
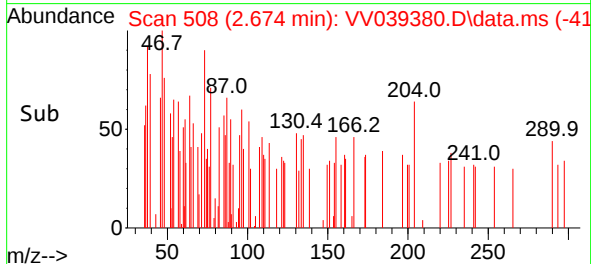
Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-03-QT4-2025



Tgt Ion: 53 Resp: 49
Ion Ratio Lower Upper
53 100
52 25.1 65.2 97.8
51 27.1 28.4 42.6

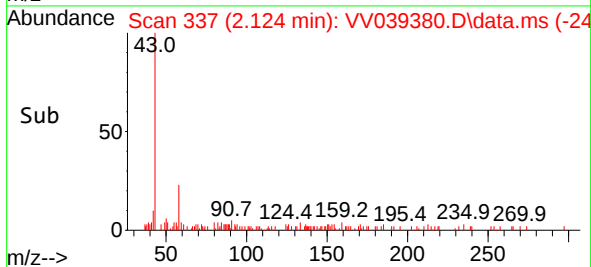
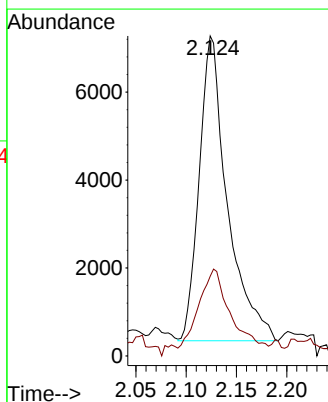
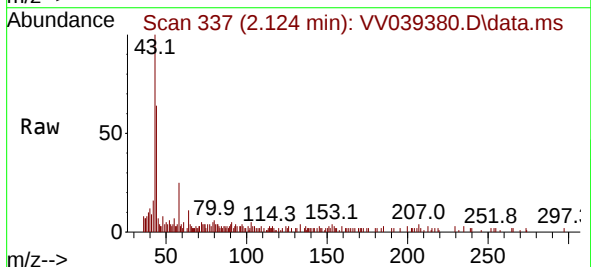
Manual Integrations
APPROVED

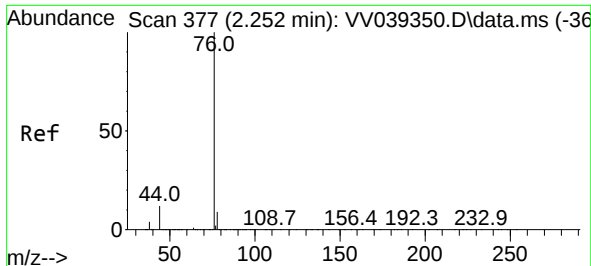
Reviewed By :John Carlone 11/14/2025
Supervised By :Mahesh Dadoda 11/14/2025



#16
Acetone
Concen: 2.810 ug/l
RT: 2.124 min Scan# 337
Delta R.T. 0.010 min
Lab File: VV039380.D
Acq: 13 Nov 2025 14:11

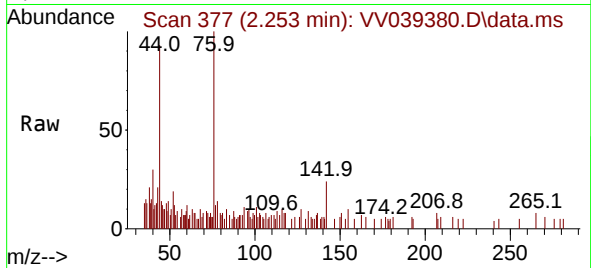
Tgt Ion: 43 Resp: 13495
Ion Ratio Lower Upper
43 100
58 23.6 25.5 38.3





#17
Carbon Disulfide
Concen: 0.479 ug/l
RT: 2.253 min Scan# 31
Delta R.T. 0.001 min
Lab File: VV039380.D
Acq: 13 Nov 2025 14:11

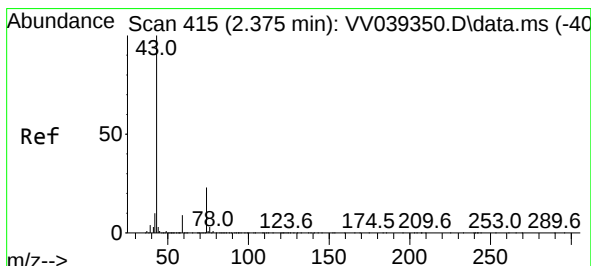
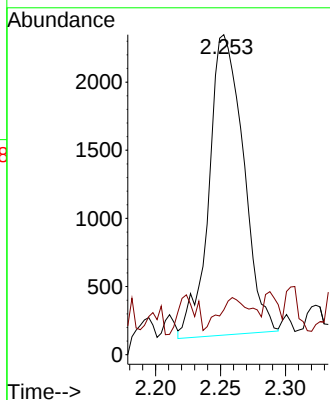
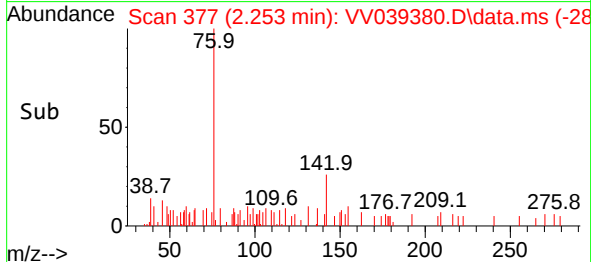
Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-03-QT4-2025



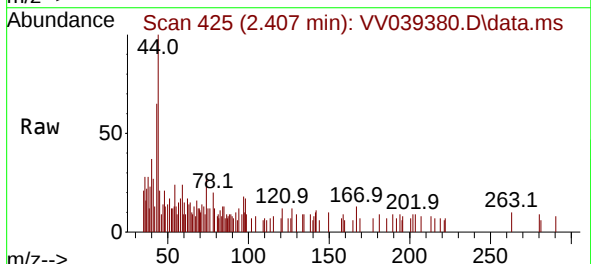
Tgt Ion: 76 Resp: 405
Ion Ratio Lower Upper
76 100
78 0.7 7.4 11.0

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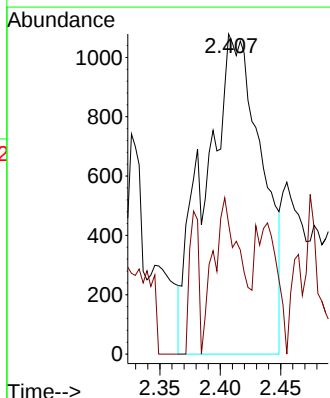
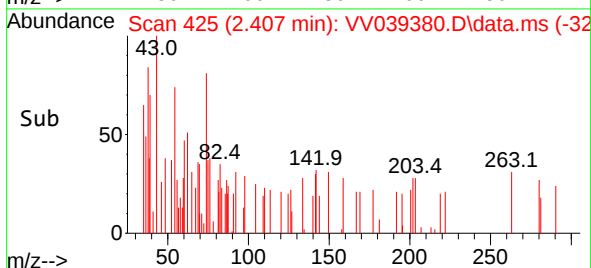
Reviewed By :John Carlone 11/14/2025
Supervised By :Mahesh Dadoda 11/14/2025

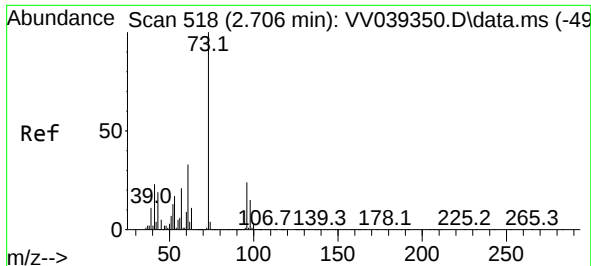


#18
Methyl Acetate
Concen: 0.273 ug/l m
RT: 2.407 min Scan# 425
Delta R.T. 0.032 min
Lab File: VV039380.D
Acq: 13 Nov 2025 14:11



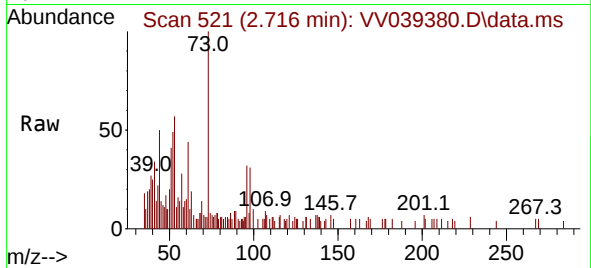
Tgt Ion: 43 Resp: 3504
Ion Ratio Lower Upper
43 100
74 23.6 18.9 28.3





#19
Methyl tert-butyl Ether
Concen: 0.323 ug/l
RT: 2.716 min Scan# 518
Delta R.T. 0.010 min
Lab File: VV039380.D
Acq: 13 Nov 2025 14:11

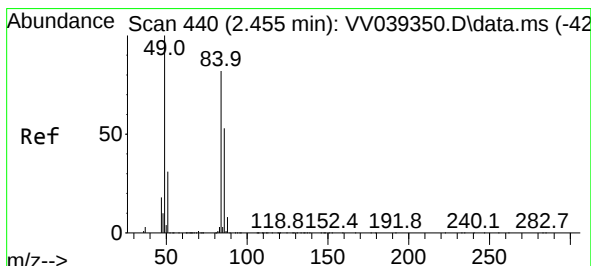
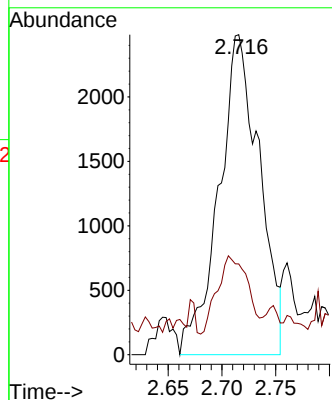
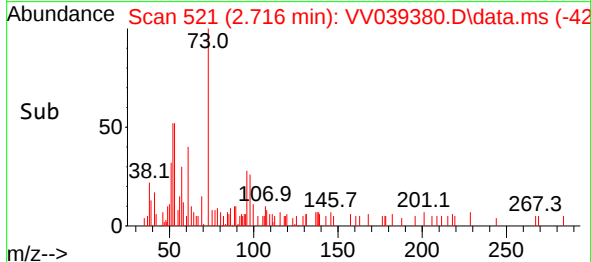
Instrument : MSVOA_V
ClientSampleId :
MDL-WATER-03-QT4-2025



Tgt Ion: 73 Resp: 6510
Ion Ratio Lower Upper
73 100
57 18.4 17.0 25.6

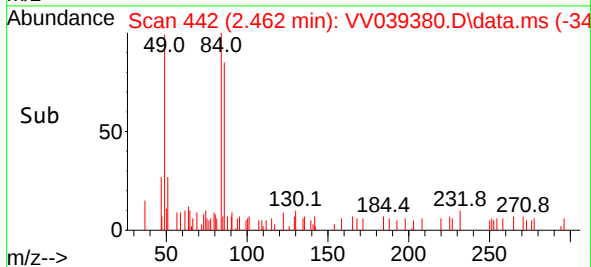
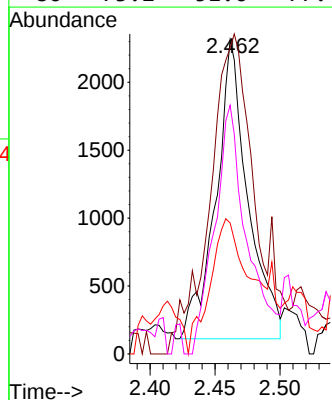
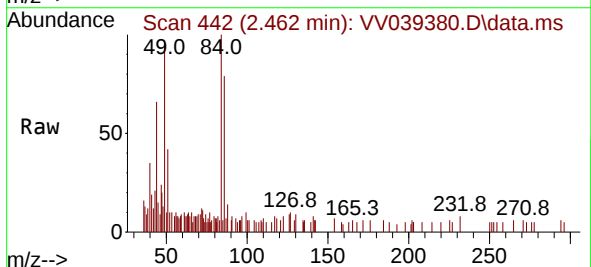
Manual Integrations
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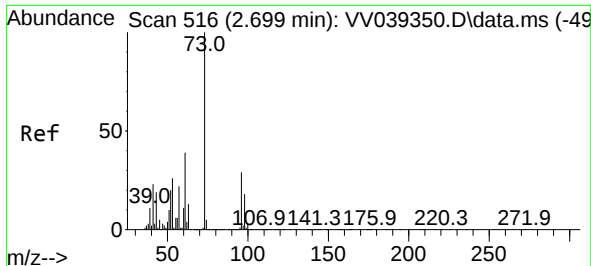
Reviewed By :John Carlone 11/14/2025
Supervised By :Mahesh Dadoda 11/14/2025



#20
Methylene Chloride
Concen: 0.510 ug/l
RT: 2.462 min Scan# 442
Delta R.T. 0.007 min
Lab File: VV039380.D
Acq: 13 Nov 2025 14:11

Tgt Ion: 84 Resp: 3781
Ion Ratio Lower Upper
84 100
49 84.3 97.8 146.8#
51 32.4 30.2 45.4
86 73.2 51.6 77.4





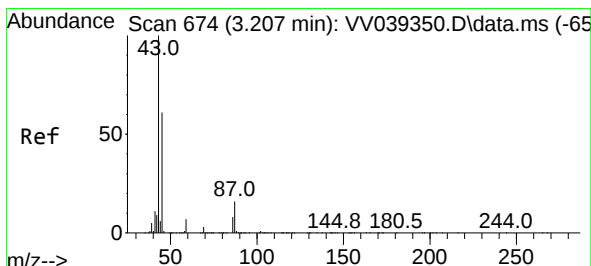
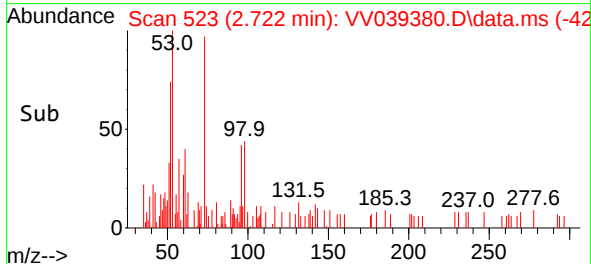
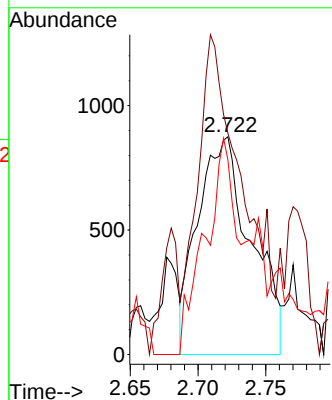
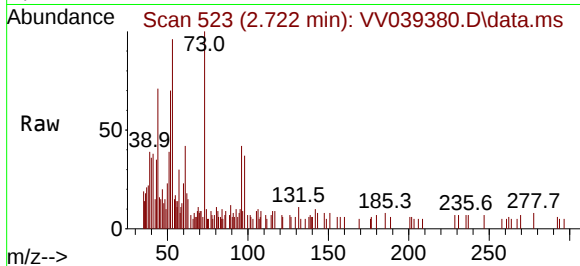
#21
trans-1,2-Dichloroethene
Concen: 0.451 ug/l
RT: 2.722 min Scan# 516
Delta R.T. 0.023 min
Lab File: VV039380.D
Acq: 13 Nov 2025 14:11

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

Tgt Ion: 96 Resp: 2390
Ion Ratio Lower Upper
96 100
61 100.3 108.9 163.3#
98 115.1 51.7 77.5#

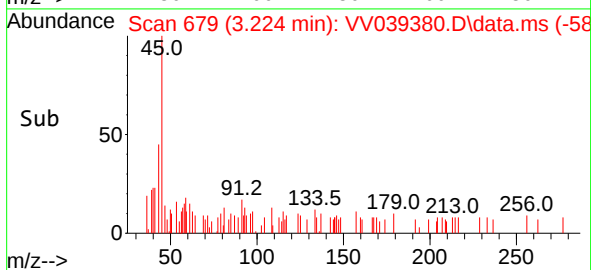
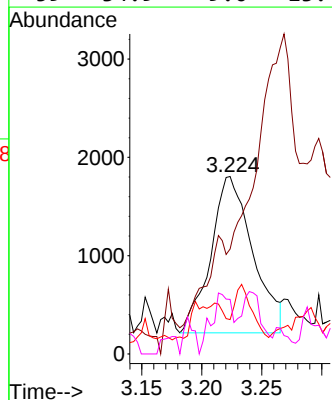
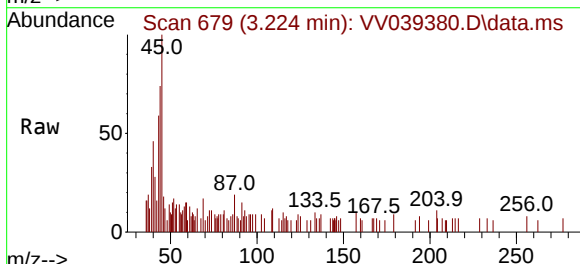
Manual Integrations
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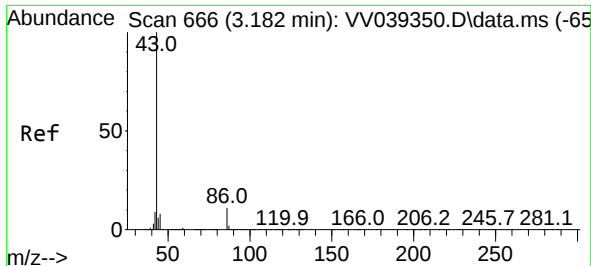
Reviewed By :John Carlone 11/14/2025
Supervised By :Mahesh Dadoda 11/14/2025



#22
Diisopropyl ether
Concen: 0.186 ug/l
RT: 3.224 min Scan# 679
Delta R.T. 0.017 min
Lab File: VV039380.D
Acq: 13 Nov 2025 14:11

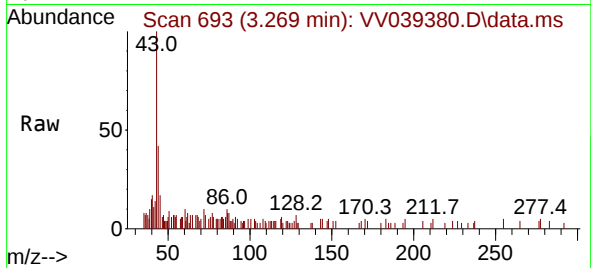
Tgt Ion: 45 Resp: 3866
Ion Ratio Lower Upper
45 100
43 50.4 132.1 198.1#
87 11.1 21.8 32.6#
59 34.9 9.0 13.4#





#23
 Vinyl Acetate
 Concen: 1.446 ug/l m
 RT: 3.269 min Scan# 649
 Delta R.T. 0.087 min
 Lab File: VV039380.D
 Acq: 13 Nov 2025 14:11

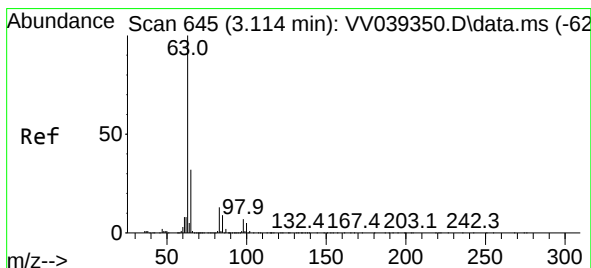
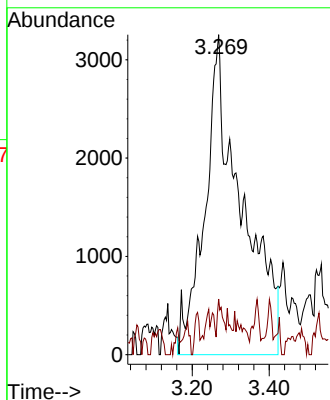
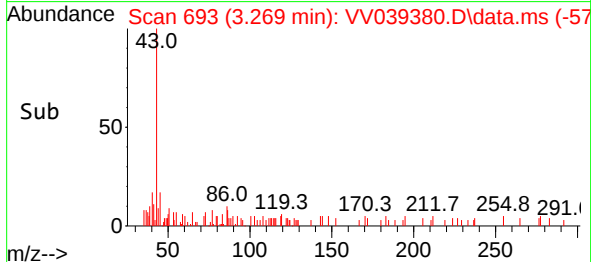
Instrument : MSVOA_V
 ClientSampleId :
 MDL-WATER-03-QT4-2025



Tgt Ion: 43 Resp: 21180
 Ion Ratio Lower Upper
 43 100
 86 9.7 8.6 12.8

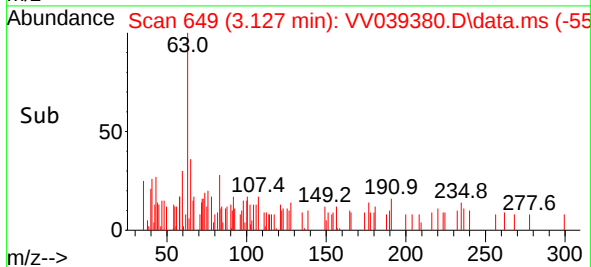
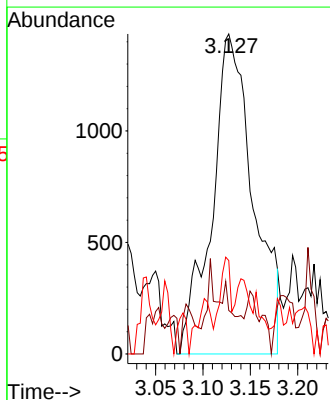
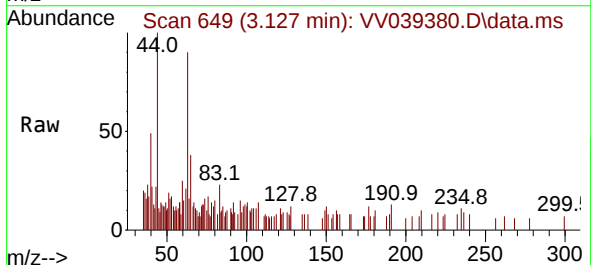
Manual Integrations
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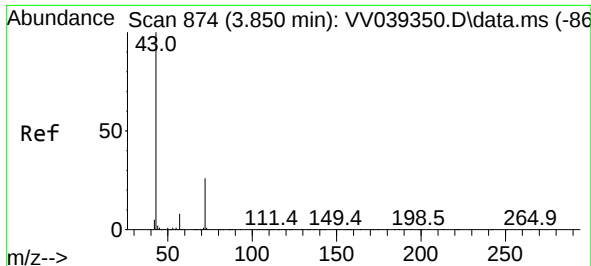
Reviewed By :John Carlone 11/14/2025
 Supervised By :Mahesh Dadoda 11/14/2025



#24
 1,1-Dichloroethane
 Concen: 0.345 ug/l m
 RT: 3.127 min Scan# 649
 Delta R.T. 0.013 min
 Lab File: VV039380.D
 Acq: 13 Nov 2025 14:11

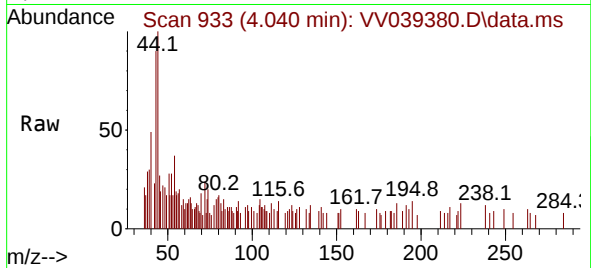
Tgt Ion: 63 Resp: 4350
 Ion Ratio Lower Upper
 63 100
 98 13.6 3.5 10.5#
 100 15.7 2.3 6.9#





#25
2-Butanone
Concen: 1.809 ug/l m
RT: 4.040 min Scan# 910
Delta R.T. 0.190 min
Lab File: VV039380.D
Acq: 13 Nov 2025 14:11

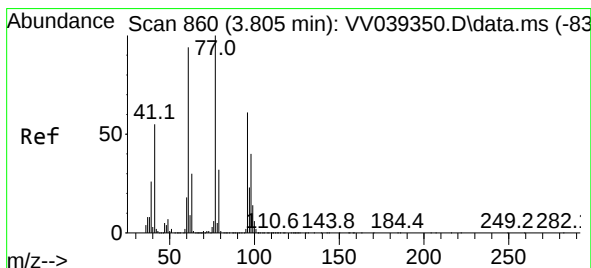
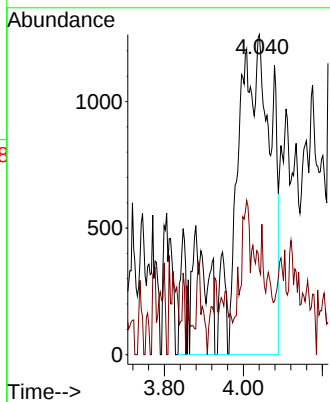
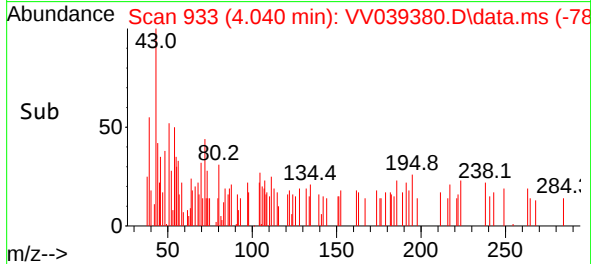
Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-03-QT4-2025



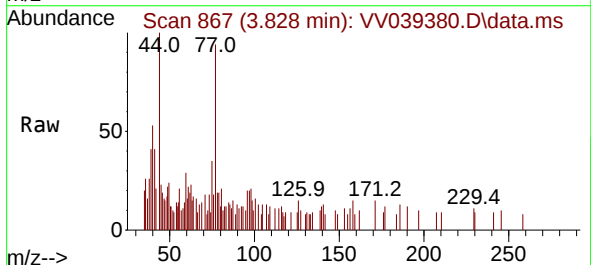
Tgt Ion: 43 Resp: 906
Ion Ratio Lower Upper
43 100
72 26.4 20.5 30.7

Manual Integrations
APPROVED

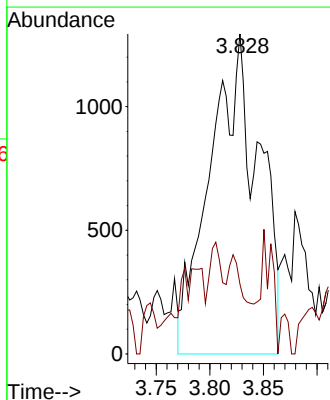
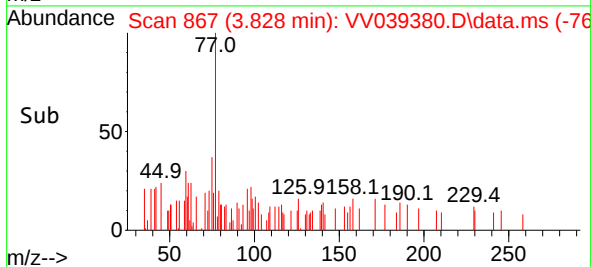
Reviewed By :John Carlone 11/14/2025
Supervised By :Mahesh Dadoda 11/14/2025

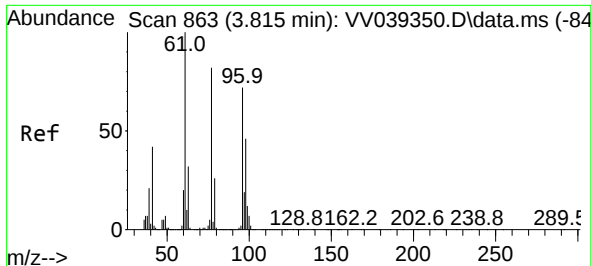


#26
2,2-Dichloropropane
Concen: 0.386 ug/l m
RT: 3.828 min Scan# 867
Delta R.T. 0.023 min
Lab File: VV039380.D
Acq: 13 Nov 2025 14:11



Tgt Ion: 77 Resp: 4092
Ion Ratio Lower Upper
77 100
97 10.1 11.3 33.8#





#27

cis-1,2-Dichloroethene

Concen: 0.441 ug/l m

RT: 3.873 min Scan# 881

Delta R.T. 0.058 min

Lab File: VV039380.D

Acq: 13 Nov 2025 14:11

Instrument :

MSVOA_V

ClientSampleId :

MDL-WATER-03-QT4-2025

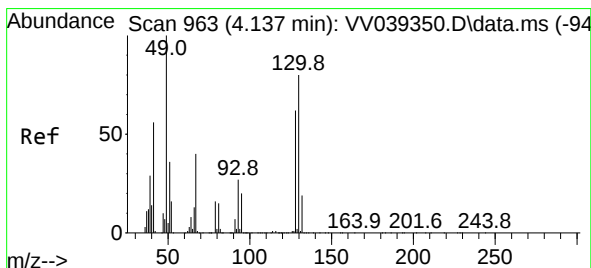
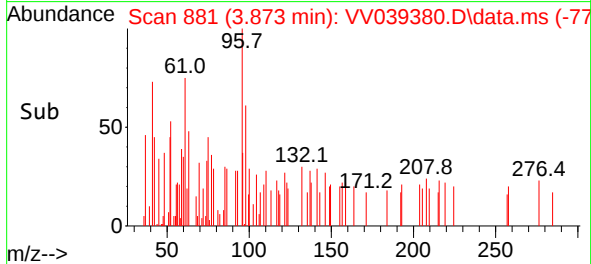
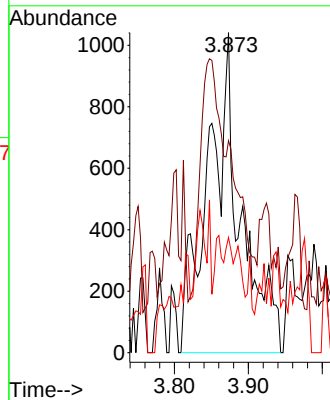
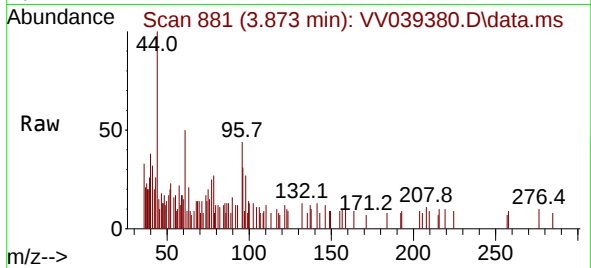
Tgt Ion:	96	Resp:	318
Ion Ratio	Lower	Upper	
96	100		
61	47.0	0.0	287.8
98	1.9	0.0	129.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/14/2025

Supervised By :Mahesh Dadoda 11/14/2025



#28

Bromochloromethane

Concen: 0.568 ug/l m

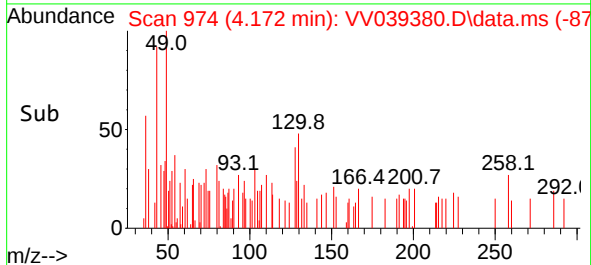
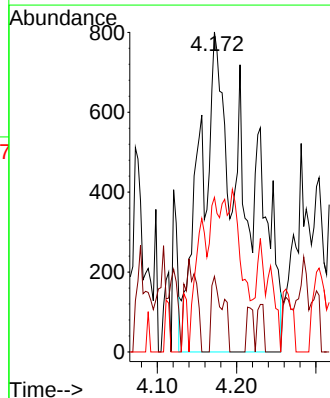
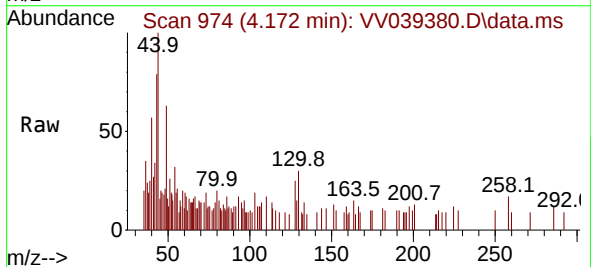
RT: 4.172 min Scan# 974

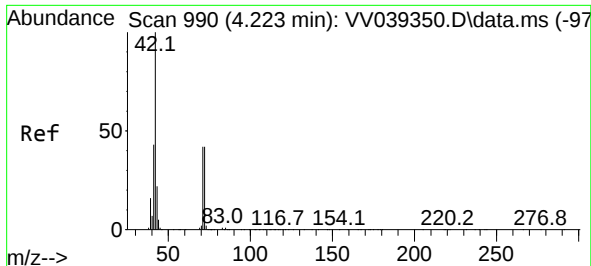
Delta R.T. 0.035 min

Lab File: VV039380.D

Acq: 13 Nov 2025 14:11

Tgt Ion:	49	Resp:	3133
Ion Ratio	Lower	Upper	
49	100		
129	0.0	0.0	2.0
130	10.5	67.9	101.9





#29

Tetrahydrofuran

Concen: 2.284 ug/l m

RT: 4.301 min Scan# 1014

Delta R.T. 0.078 min

Lab File: VV039380.D

Acq: 13 Nov 2025 14:11

Instrument :

MSVOA_V

ClientSampleId :

MDL-WATER-03-QT4-2025

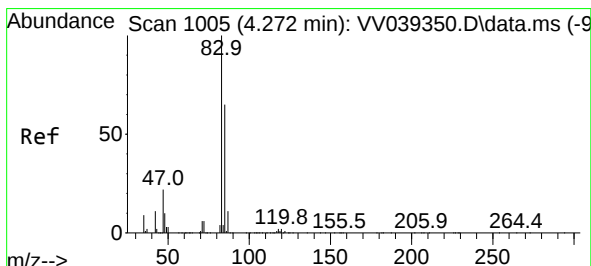
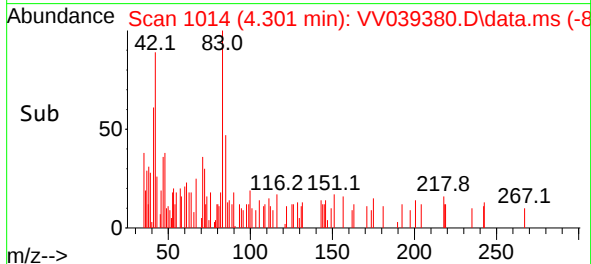
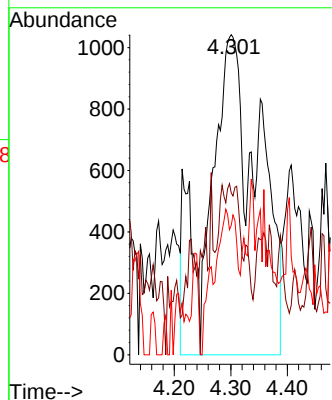
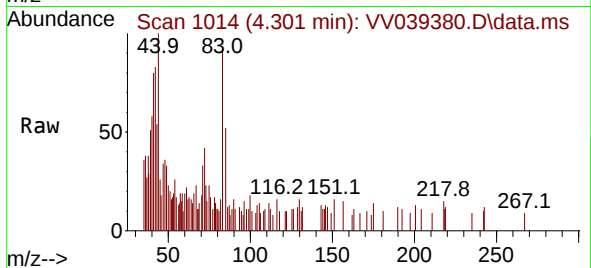
Tgt Ion: 42 Resp: 6400
 Ion Ratio Lower Upper
 42 100
 72 0.9 35.3 52.9
 71 3.9 34.0 51.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/14/2025

Supervised By :Mahesh Dadoda 11/14/2025



#30

Chloroform

Concen: 0.355 ug/l m

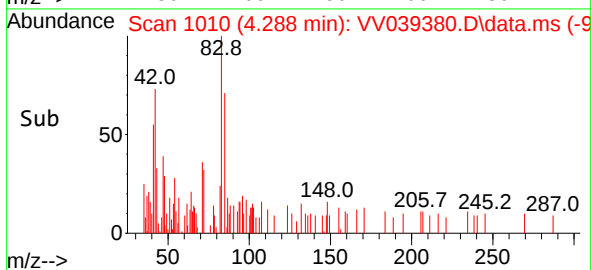
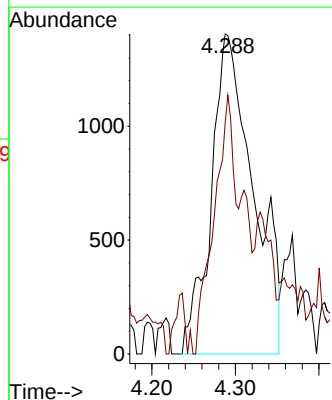
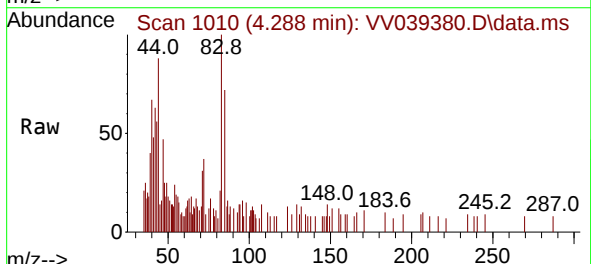
RT: 4.288 min Scan# 1010

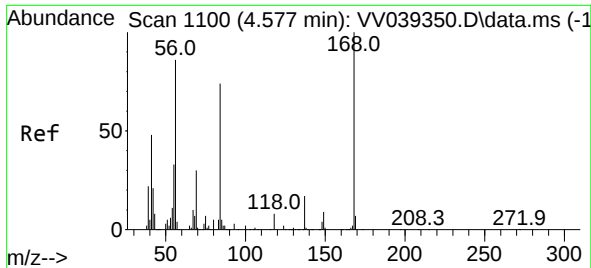
Delta R.T. 0.016 min

Lab File: VV039380.D

Acq: 13 Nov 2025 14:11

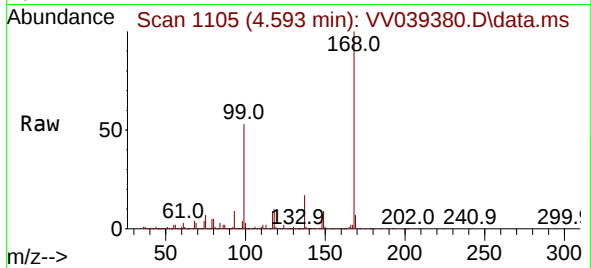
Tgt Ion: 83 Resp: 4939
 Ion Ratio Lower Upper
 83 100
 85 72.2 51.8 77.8





#31
Cyclohexane
Concen: 1.569 ug/l
RT: 4.593 min Scan# 1105
Delta R.T. 0.016 min
Lab File: VV039380.D
Acq: 13 Nov 2025 14:11

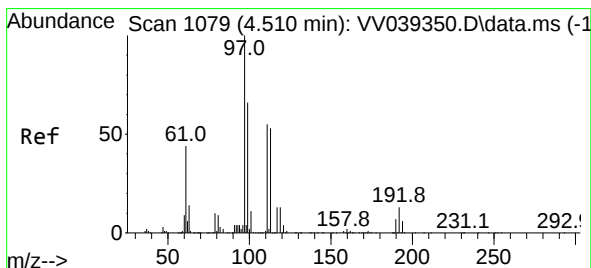
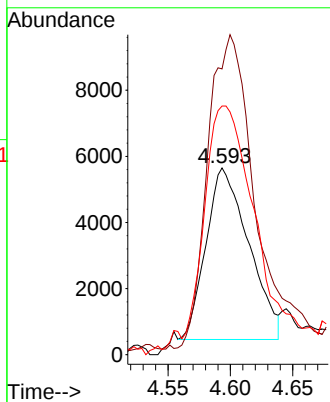
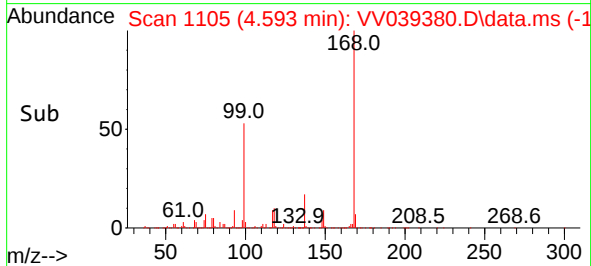
Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-03-QT4-2025



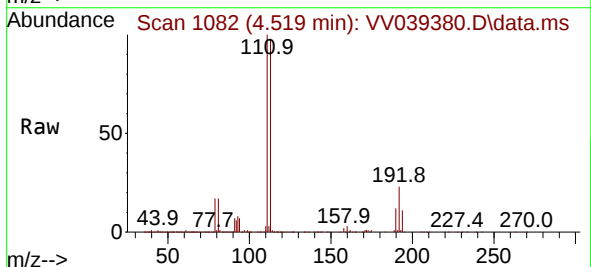
Tgt Ion: 56 Resp: 1238
Ion Ratio Lower Upper
56 100
69 162.7 27.7 41.5
84 131.6 69.4 104.2

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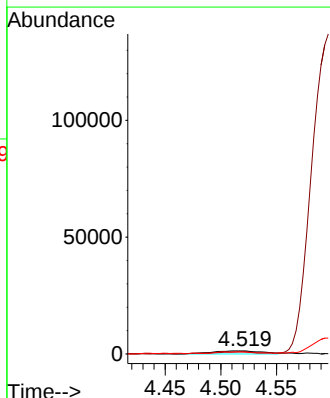
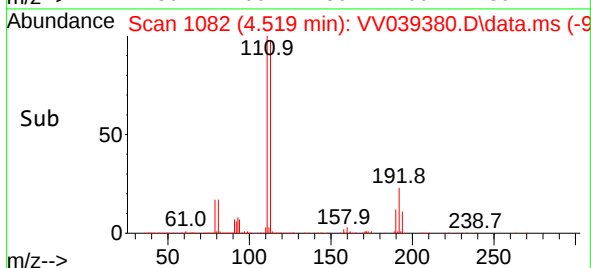
Reviewed By :John Carlone 11/14/2025
Supervised By :Mahesh Dadoda 11/14/2025

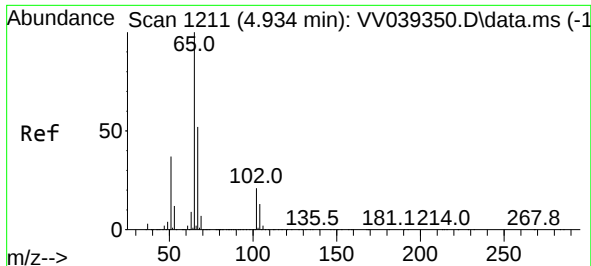


#32
1,1,1-Trichloroethane
Concen: 0.352 ug/l
RT: 4.519 min Scan# 1082
Delta R.T. 0.009 min
Lab File: VV039380.D
Acq: 13 Nov 2025 14:11



Tgt Ion: 97 Resp: 4103
Ion Ratio Lower Upper
97 100
99 0.0 49.9 74.9#
61 13.0 33.9 50.9#





#33

1,2-Dichloroethane-d4

Concen: 58.964 ug/l

RT: 4.937 min Scan# 1

Delta R.T. 0.003 min

Lab File: VV039380.D

Acq: 13 Nov 2025 14:11

Instrument :

MSVOA_V

ClientSampleId :

MDL-WATER-03-QT4-2025

Tgt Ion: 65 Resp: 535220

Ion Ratio Lower Upper

65 100

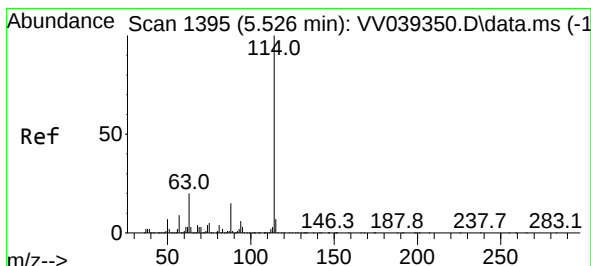
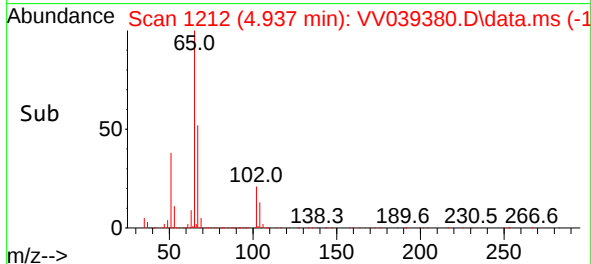
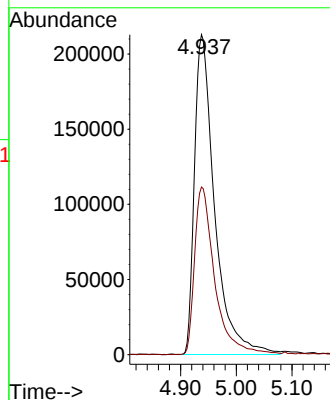
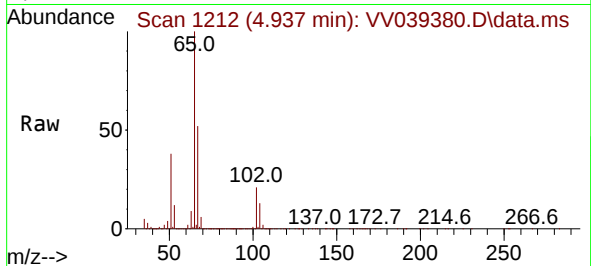
67 52.6 0.0 105.4

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: 5.529 min Scan# 1396

Delta R.T. 0.003 min

Lab File: VV039380.D

Acq: 13 Nov 2025 14:11

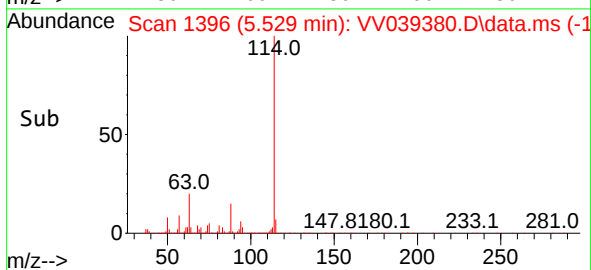
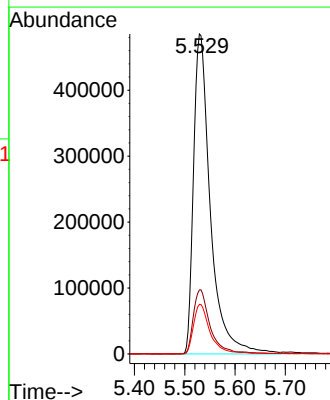
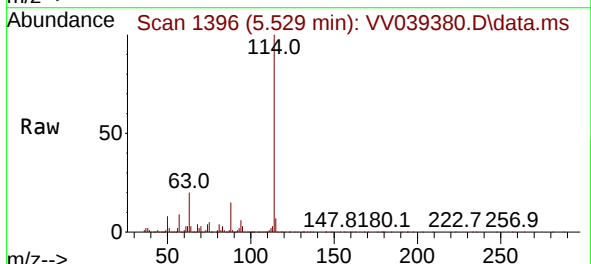
Tgt Ion:114 Resp: 1130151

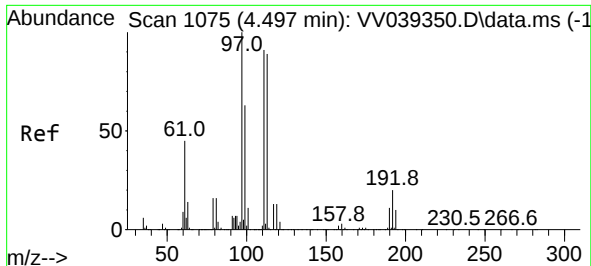
Ion Ratio Lower Upper

114 100

63 20.0 0.0 39.6

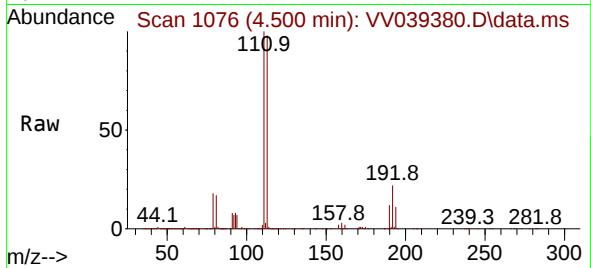
88 15.5 0.0 30.2





#35
Dibromofluoromethane
Concen: 53.089 ug/l
RT: 4.500 min Scan# 1107
Delta R.T. 0.003 min
Lab File: VV039380.D
Acq: 13 Nov 2025 14:11

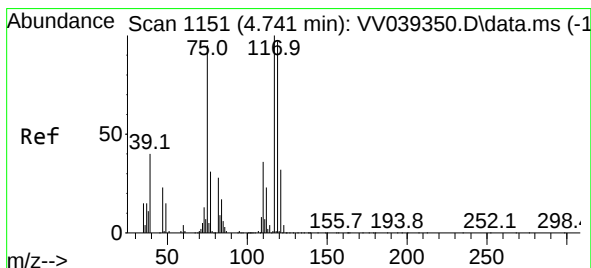
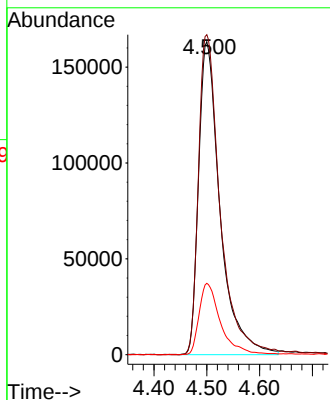
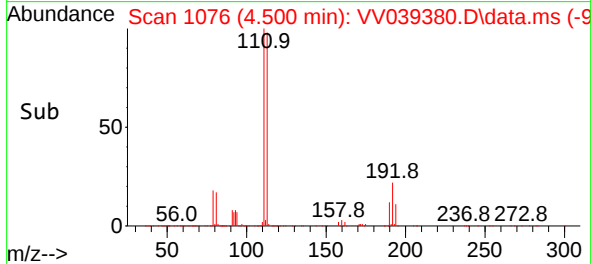
Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-03-QT4-2025



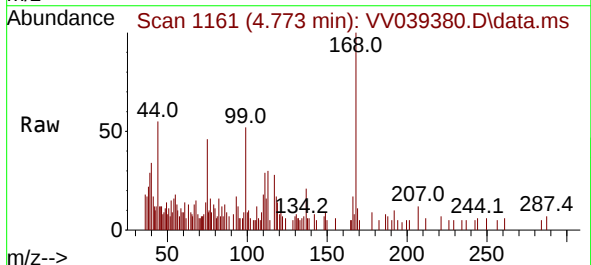
Tgt Ion: 113 Resp: 46018
Ion Ratio Lower Upper
113 100
111 103.4 82.6 124.0
192 22.8 17.8 26.8

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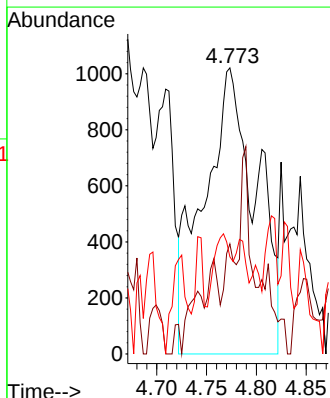
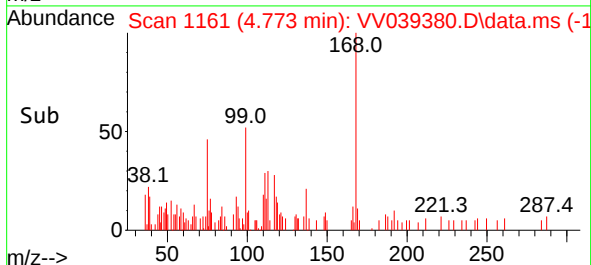
Reviewed By :John Carlone 11/14/2025
Supervised By :Mahesh Dadoda 11/14/2025

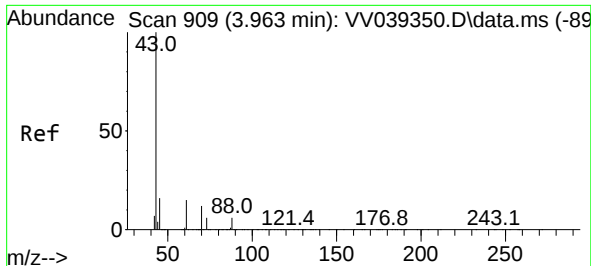


#36
1,1-Dichloropropene
Concen: 0.504 ug/l m
RT: 4.773 min Scan# 1161
Delta R.T. 0.032 min
Lab File: VV039380.D
Acq: 13 Nov 2025 14:11



Tgt Ion: 75 Resp: 3763
Ion Ratio Lower Upper
75 100
110 97.6 18.1 54.4#
77 8.7 24.0 36.0#





#37

Ethyl Acetate

Concen: 0.648 ug/l m

RT: 4.040 min Scan# 91

Delta R.T. 0.077 min

Lab File: VV039380.D

Acq: 13 Nov 2025 14:11

Instrument :

MSVOA_V

ClientSampleId :

MDL-WATER-03-QT4-2025

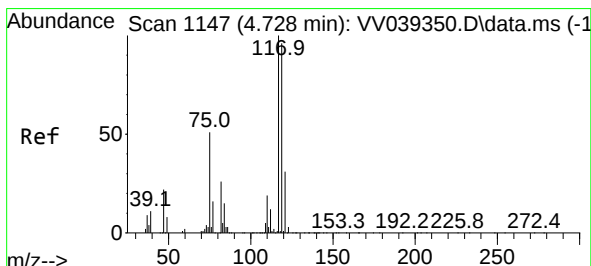
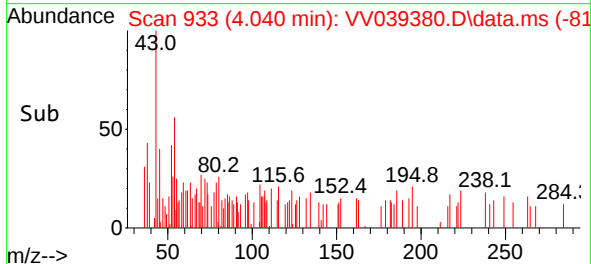
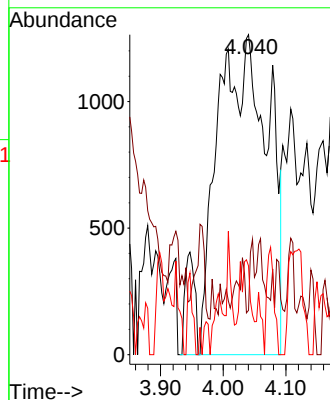
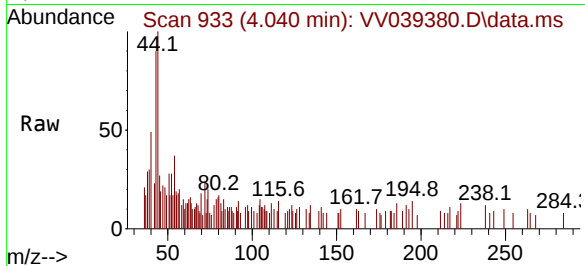
Tgt Ion: 43	Resp: 7430
Ion Ratio	Lower Upper
43 100	
61 0.0	9.3 13.9
70 2.4	7.0 10.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/14/2025

Supervised By :Mahesh Dadoda 11/14/2025



#38

Carbon Tetrachloride

Concen: 0.529 ug/l m

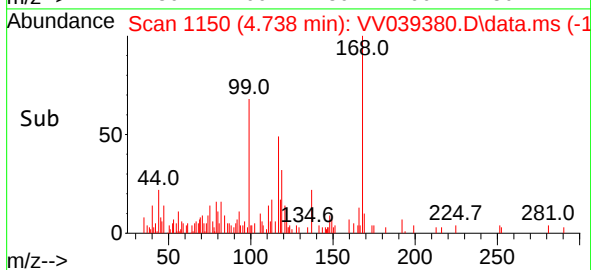
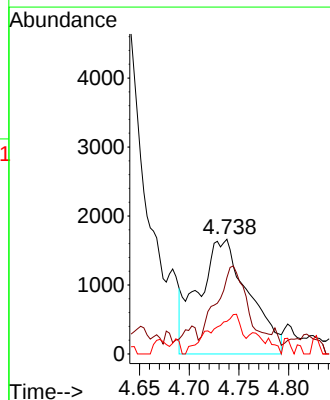
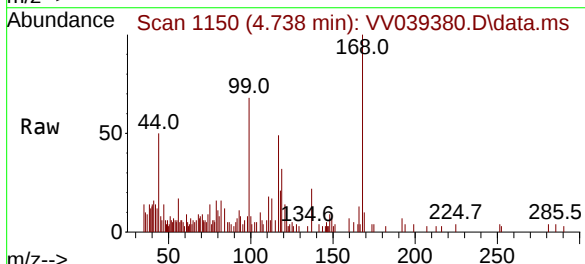
RT: 4.738 min Scan# 1150

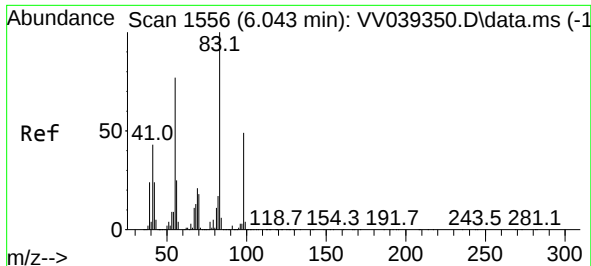
Delta R.T. 0.010 min

Lab File: VV039380.D

Acq: 13 Nov 2025 14:11

Tgt Ion: 117	Resp: 5869
Ion Ratio	Lower Upper
117 100	
119 66.5	76.1 114.1
121 28.5	25.0 37.4





#39

Methylcyclohexane

Concen: 0.453 ug/l m

RT: 6.040 min Scan# 1

Delta R.T. -0.003 min

Lab File: VV039380.D

Acq: 13 Nov 2025 14:11

Instrument :

MSVOA_V

ClientSampleId :

MDL-WATER-03-QT4-2025

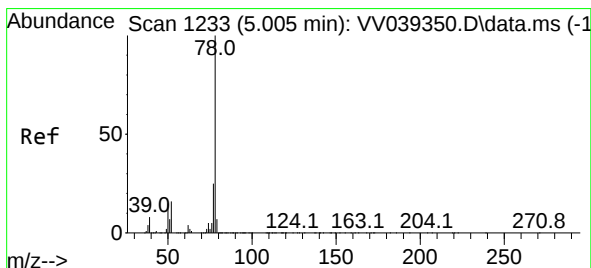
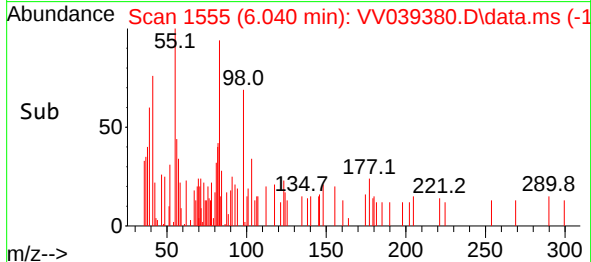
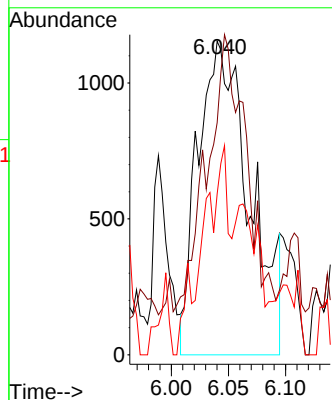
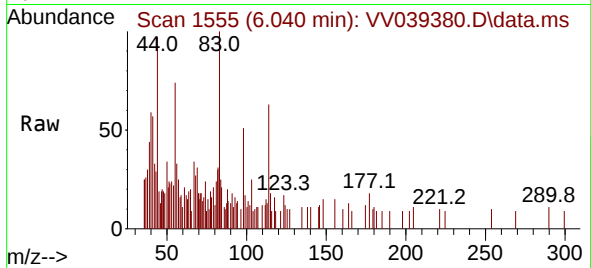
Tgt Ion: 83	Resp: 360
Ion Ratio	Lower Upper
83 100	
55 74.0	61.3 91.9
98 51.3	39.0 58.6

Manual Integrations

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Reviewed By :John Carlone 11/14/2025

Supervised By :Mahesh Dadoda 11/14/2025



#40

Benzene

Concen: 0.215 ug/l

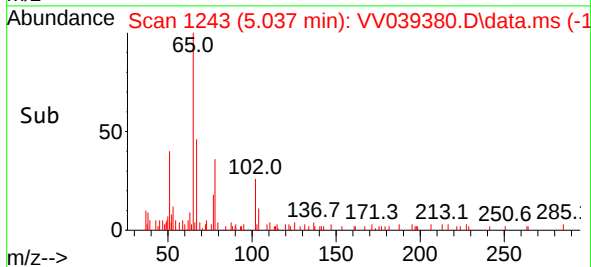
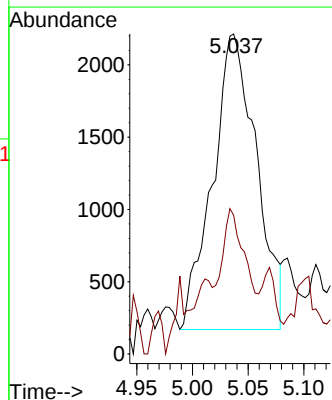
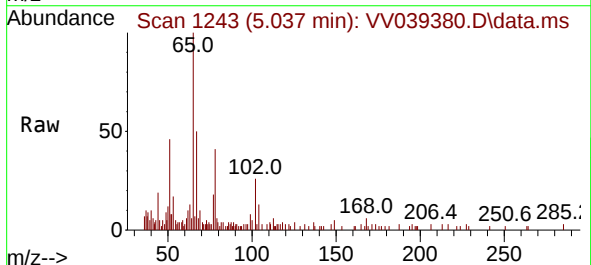
RT: 5.037 min Scan# 1243

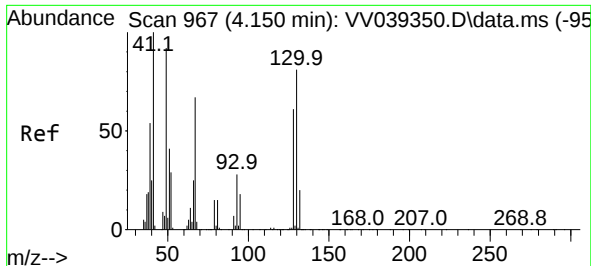
Delta R.T. 0.032 min

Lab File: VV039380.D

Acq: 13 Nov 2025 14:11

Tgt Ion: 78	Resp: 5602
Ion Ratio	Lower Upper
78 100	
77 35.8	19.6 29.4#





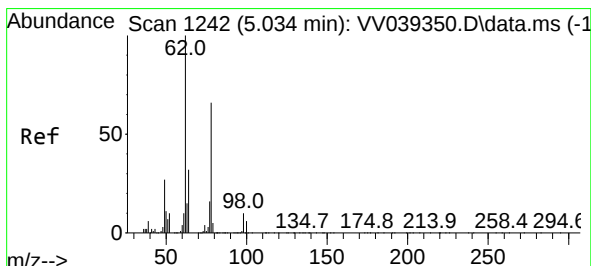
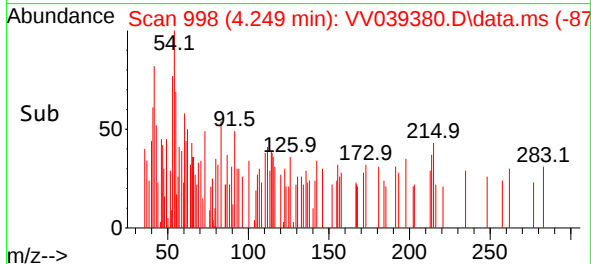
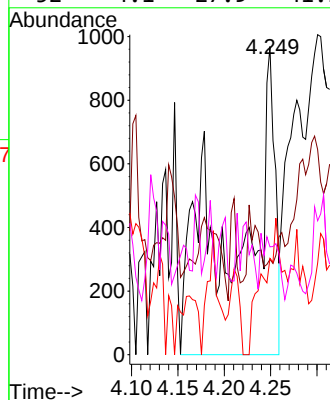
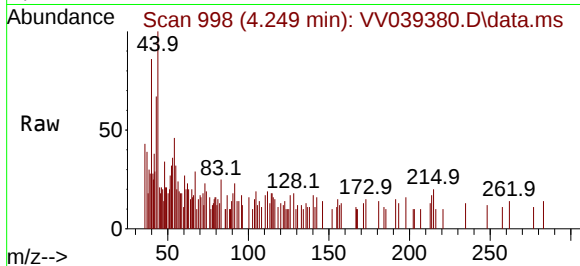
#41
Methacrylonitrile
Concen: 0.622 ug/l m
RT: 4.249 min Scan# 967
Delta R.T. 0.100 min
Lab File: VV039380.D
Acq: 13 Nov 2025 14:11

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

Tgt Ion: 41 Resp: 2548
Ion Ratio Lower Upper
41 100
39 0.0 44.3 66.5
67 0.0 71.4 107.2
52 4.1 27.9 41.9#

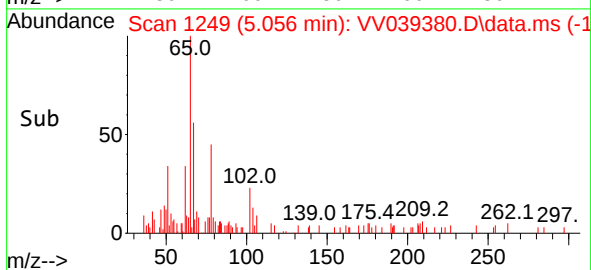
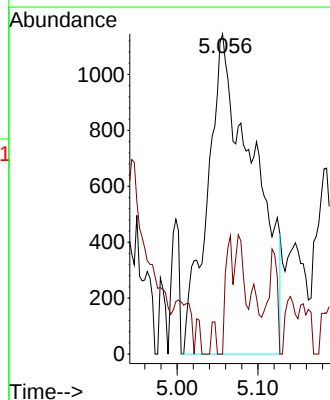
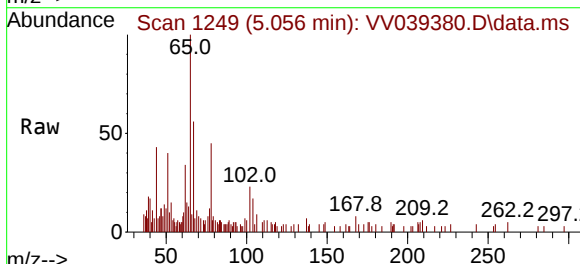
Manual Integrations
APPROVED

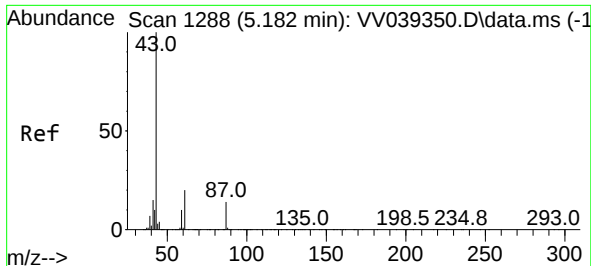
Reviewed By :John Carlone 11/14/2025
Supervised By :Mahesh Dadoda 11/14/2025



#42
1,2-Dichloroethane
Concen: 0.446 ug/l m
RT: 5.056 min Scan# 1249
Delta R.T. 0.023 min
Lab File: VV039380.D
Acq: 13 Nov 2025 14:11

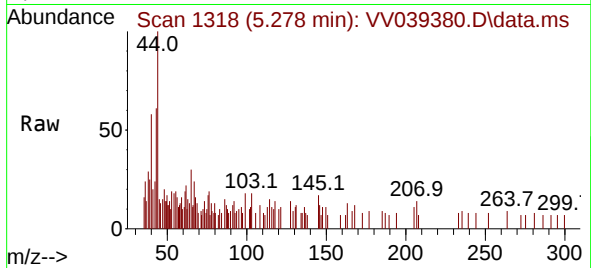
Tgt Ion: 62 Resp: 4536
Ion Ratio Lower Upper
62 100
98 0.0 0.0 18.6





#43
Isopropyl Acetate
Concen: 0.377 ug/l m
RT: 5.278 min Scan# 11
Delta R.T. 0.096 min
Lab File: VV039380.D
Acq: 13 Nov 2025 14:11

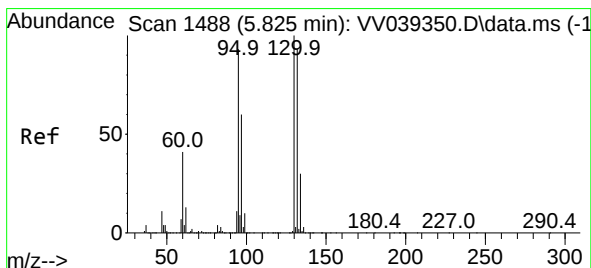
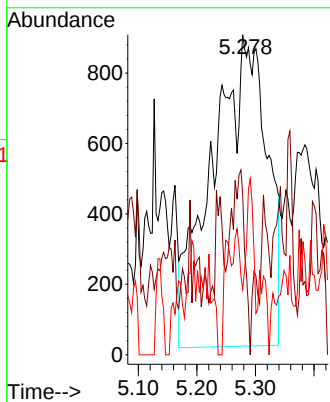
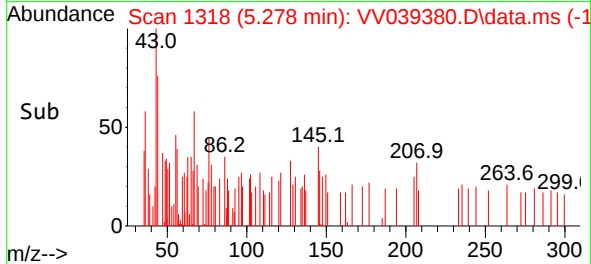
Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-03-QT4-2025



Tgt Ion: 43 Resp: 576
Ion Ratio Lower Upper
43 100
61 0.0 15.7 23.5
87 3.3 11.1 16.7

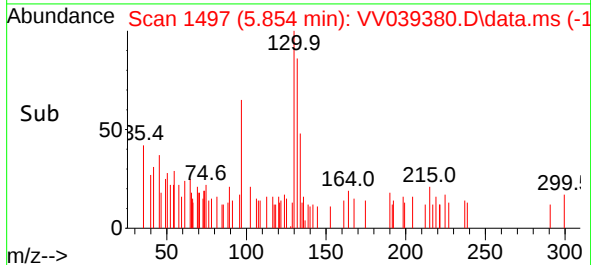
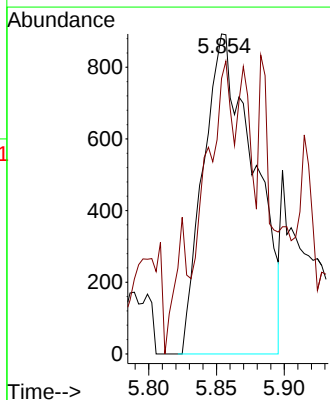
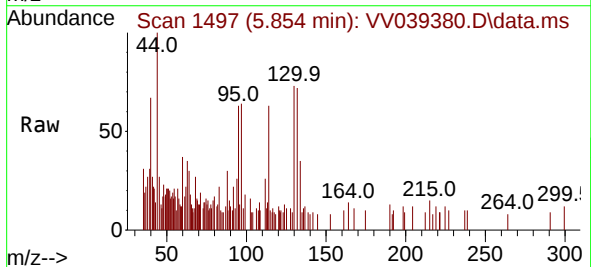
Manual Integrations
APPROVED

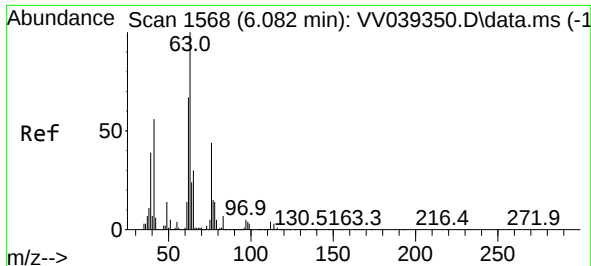
Reviewed By :John Carlone 11/14/2025
Supervised By :Mahesh Dadoda 11/14/2025



#44
Trichloroethene
Concen: 0.327 ug/l
RT: 5.854 min Scan# 1497
Delta R.T. 0.029 min
Lab File: VV039380.D
Acq: 13 Nov 2025 14:11

Tgt Ion:130 Resp: 2315
Ion Ratio Lower Upper
130 100
95 48.0 0.0 186.8





#45

1,2-Dichloropropane

Concen: 0.418 ug/l m

RT: 6.133 min Scan# 1

Delta R.T. 0.051 min

Lab File: VV039380.D

Acq: 13 Nov 2025 14:11

Instrument :

MSVOA_V

ClientSampleId :

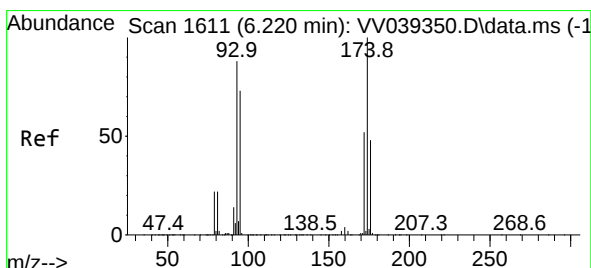
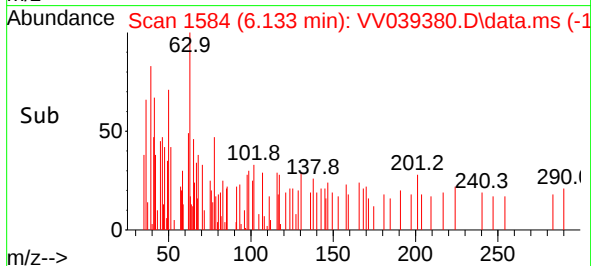
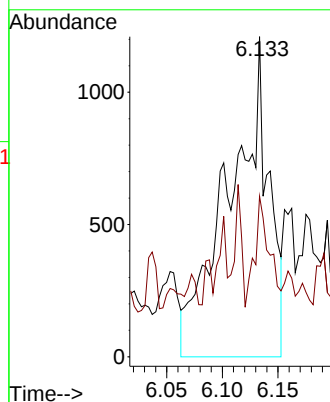
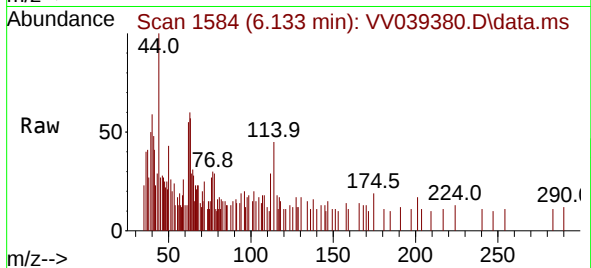
MDL-WATER-03-QT4-2025

Tgt Ion: 63 Resp: 2954
 Ion Ratio Lower Upper
 63 100
 65 51.6 23.9 35.9

Manual Integrations

APPROVED

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



#46

Dibromomethane

Concen: 0.492 ug/l m

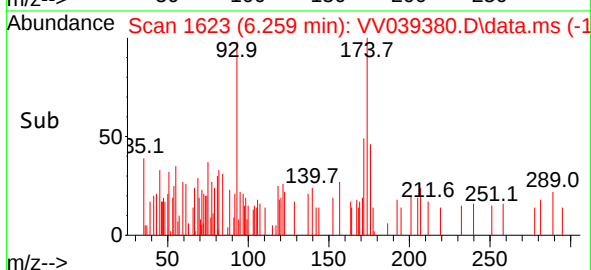
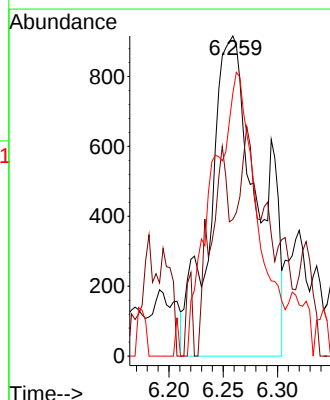
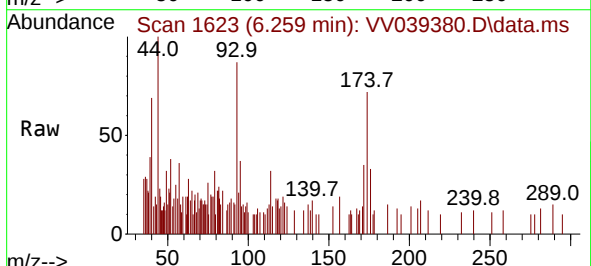
RT: 6.259 min Scan# 1623

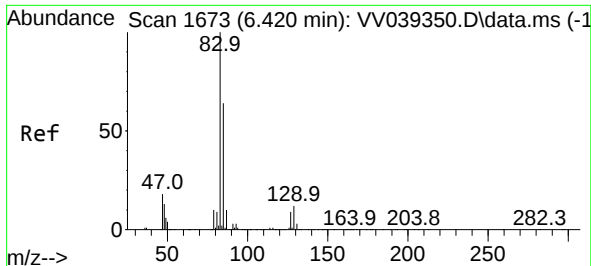
Delta R.T. 0.039 min

Lab File: VV039380.D

Acq: 13 Nov 2025 14:11

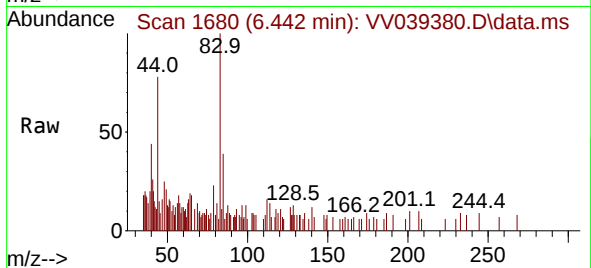
Tgt Ion: 93 Resp: 2794
 Ion Ratio Lower Upper
 93 100
 95 3.1 65.9 98.9#
 174 0.0 91.4 137.0#





#47
Bromodichloromethane
Concen: 0.236 ug/l
RT: 6.442 min Scan# 1655
Delta R.T. 0.023 min
Lab File: VV039380.D
Acq: 13 Nov 2025 14:11

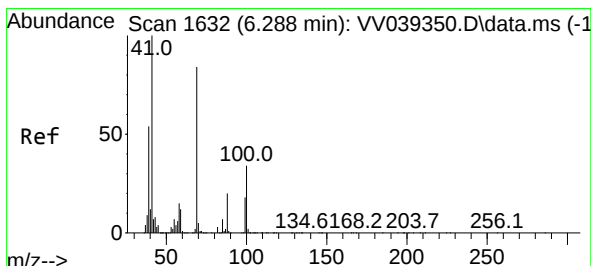
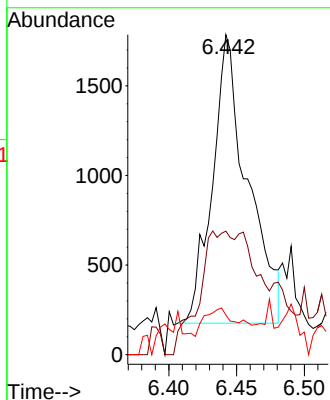
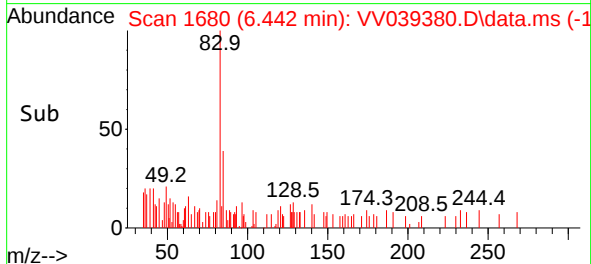
Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-03-QT4-2025



Tgt Ion: 83 Resp: 2904
Ion Ratio Lower Upper
83 100
85 25.6 51.0 76.4#
127 13.0 7.3 10.9#

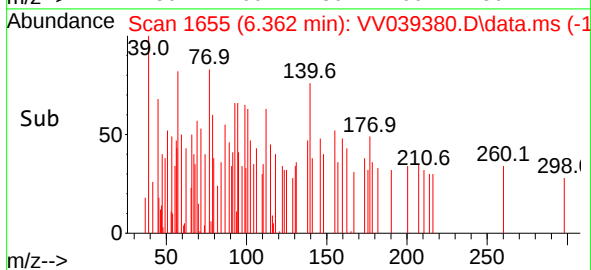
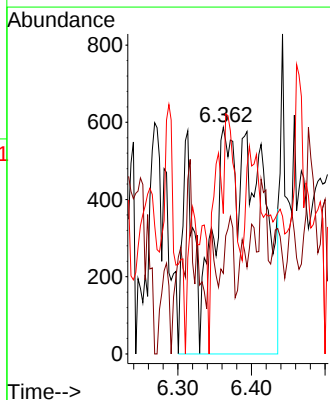
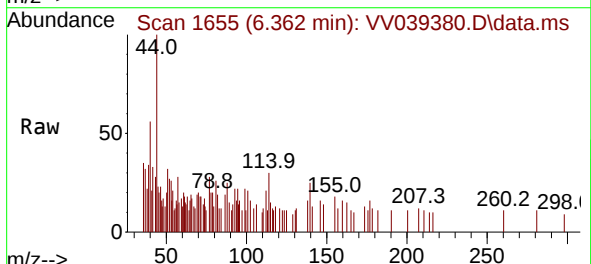
Manual Integrations
APPROVED

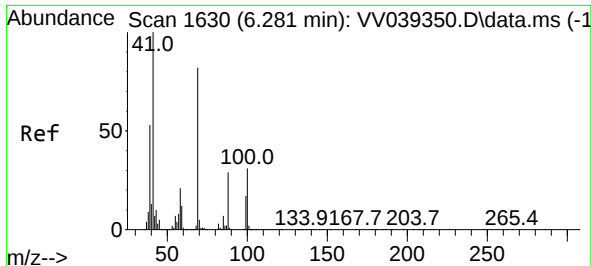
Reviewed By :John Carlone 11/14/2025
Supervised By :Mahesh Dadoda 11/14/2025



#48
Methyl methacrylate
Concen: 0.446 ug/l m
RT: 6.362 min Scan# 1655
Delta R.T. 0.074 min
Lab File: VV039380.D
Acq: 13 Nov 2025 14:11

Tgt Ion: 41 Resp: 3174
Ion Ratio Lower Upper
41 100
69 16.2 69.1 103.7#
39 9.6 42.8 64.2#





#49

1,4-Dioxane

Concen: 30.482 ug/l m

RT: 6.497 min Scan# 1

Delta R.T. 0.215 min

Lab File: VV039380.D

Acq: 13 Nov 2025 14:11

Instrument :

MSVOA_V

ClientSampleId :

MDL-WATER-03-QT4-2025

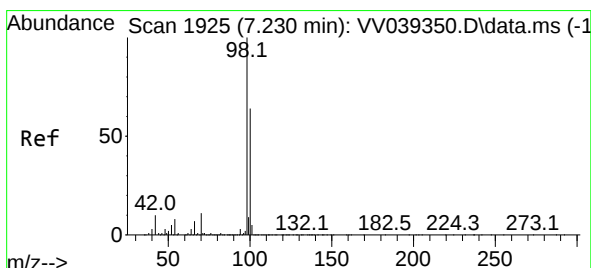
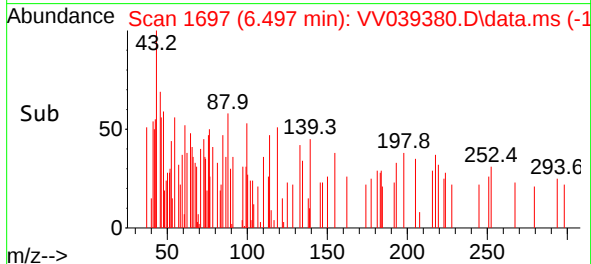
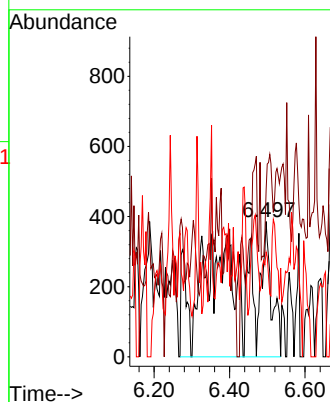
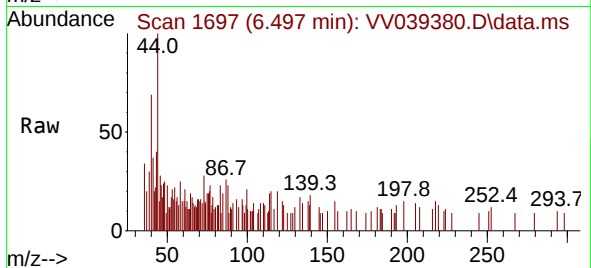
Tgt Ion: 88	Resp: 334
Ion Ratio	Lower Upper
88 100	
43 7.8	26.6 40.0
58 3.8	55.4 83.0

Manual Integrations

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Reviewed By :John Carlone 11/14/2025

Supervised By :Mahesh Dadoda 11/14/2025



#50

Toluene-d8

Concen: 46.720 ug/l

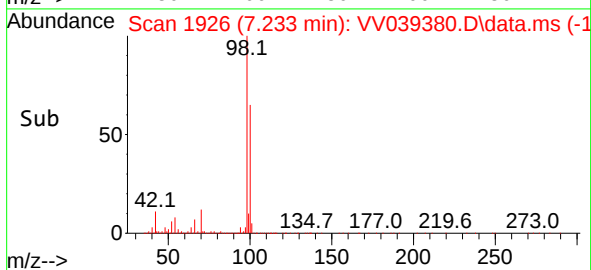
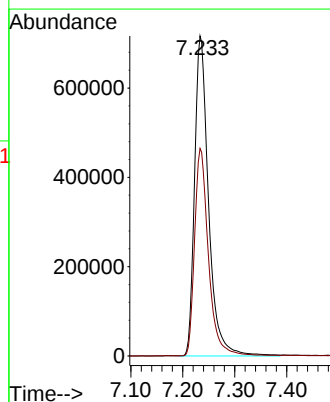
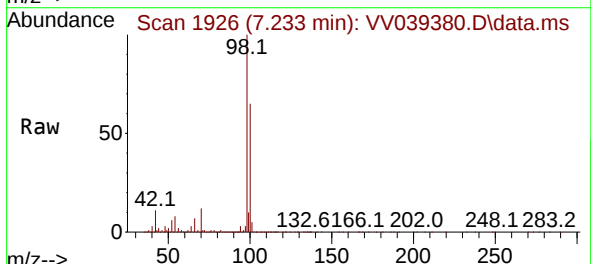
RT: 7.233 min Scan# 1926

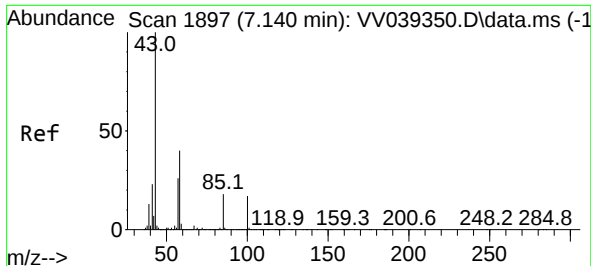
Delta R.T. 0.003 min

Lab File: VV039380.D

Acq: 13 Nov 2025 14:11

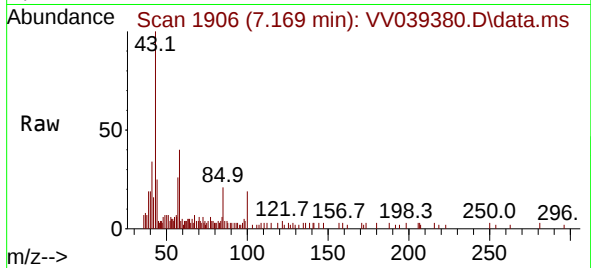
Tgt Ion: 98	Resp: 1338273
Ion Ratio	Lower Upper
98 100	
100 64.2	52.8 79.2





#51
4-Methyl-2-Pentanone
Concen: 0.888 ug/l
RT: 7.169 min Scan# 1906
Delta R.T. 0.029 min
Lab File: VV039380.D
Acq: 13 Nov 2025 14:11

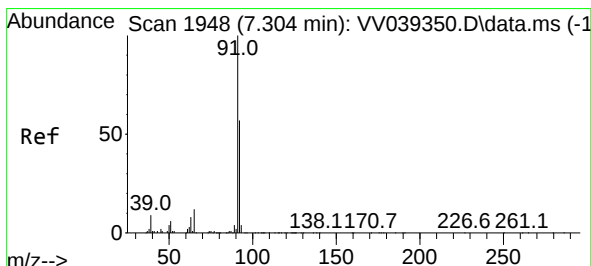
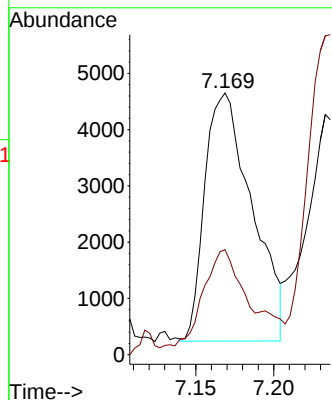
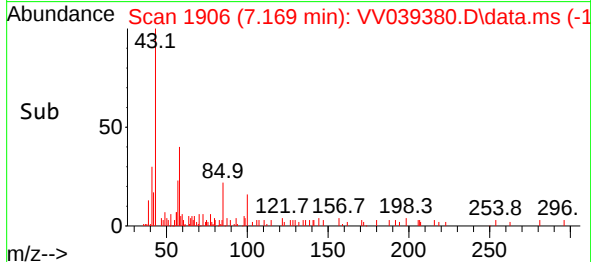
Instrument : MSVOA_V
ClientSampleId : MDL-WATER-03-QT4-2025



Tgt Ion: 43 Resp: 927
Ion Ratio Lower Upper
43 100
58 37.3 31.8 47.6

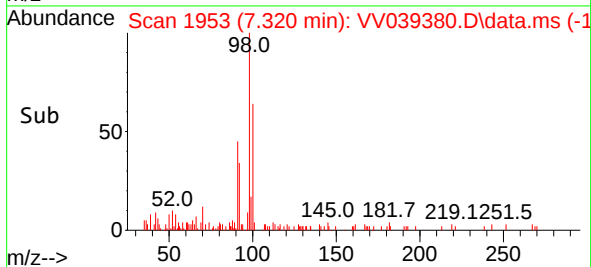
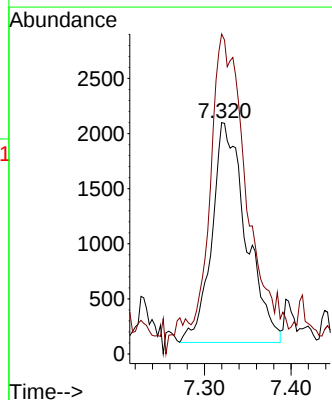
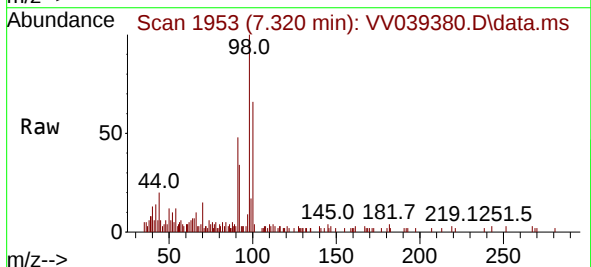
Manual Integrations
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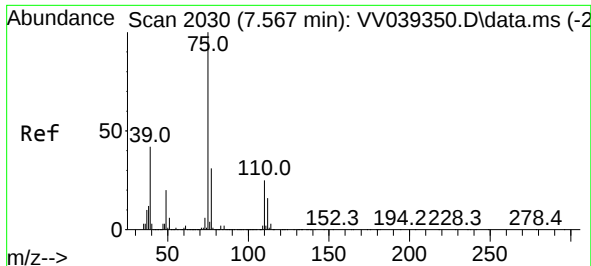
Reviewed By :John Carlone 11/14/2025
Supervised By :Mahesh Dadoda 11/14/2025



#52
Toluene
Concen: 0.335 ug/l
RT: 7.320 min Scan# 1953
Delta R.T. 0.016 min
Lab File: VV039380.D
Acq: 13 Nov 2025 14:11

Tgt Ion: 92 Resp: 5477
Ion Ratio Lower Upper
92 100
91 149.2 139.0 208.6





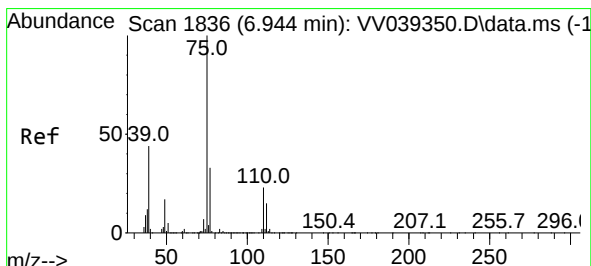
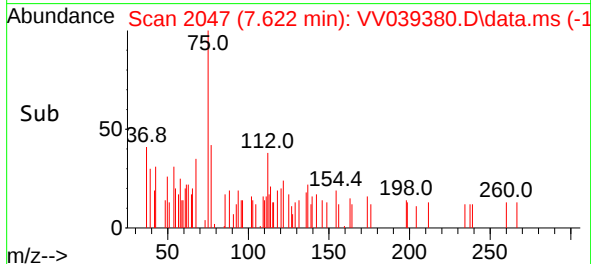
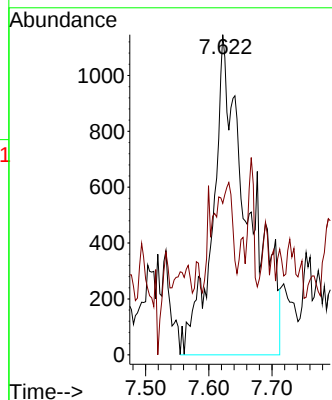
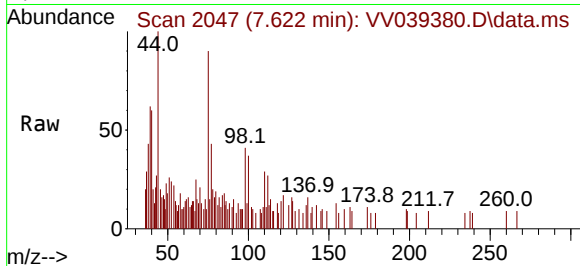
#53
 t-1,3-Dichloropropene
 Concen: 0.416 ug/l m
 RT: 7.622 min Scan# 2030
 Delta R.T. 0.055 min
 Lab File: VV039380.D
 Acq: 13 Nov 2025 14:11

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

Tgt Ion: 75 Resp: 4408
 Ion Ratio Lower Upper
 75 100
 77 47.3 24.5 36.7

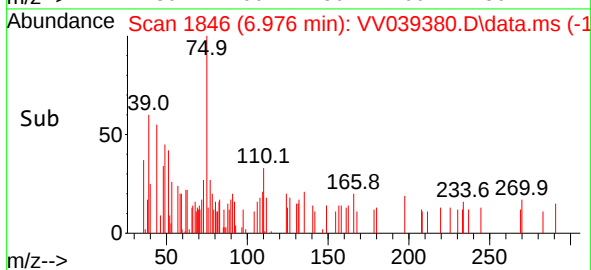
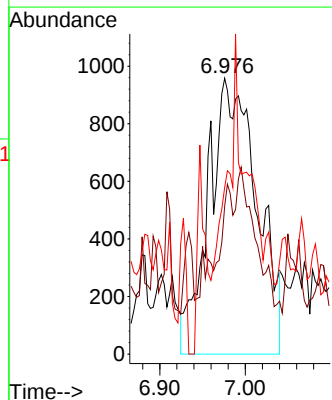
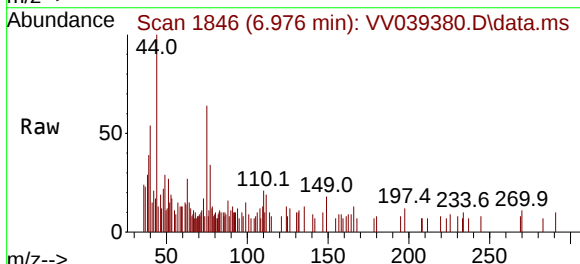
Manual Integrations
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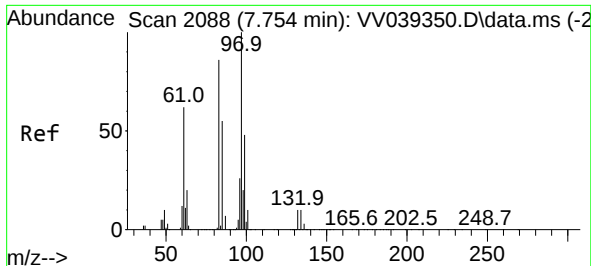
Reviewed By :John Carlone 11/14/2025
 Supervised By :Mahesh Dadoda 11/14/2025



#54
 cis-1,3-Dichloropropene
 Concen: 0.334 ug/l m
 RT: 6.976 min Scan# 1846
 Delta R.T. 0.032 min
 Lab File: VV039380.D
 Acq: 13 Nov 2025 14:11

Tgt Ion: 75 Resp: 3759
 Ion Ratio Lower Upper
 75 100
 77 53.7 26.3 39.5#
 39 60.4 35.5 53.3#





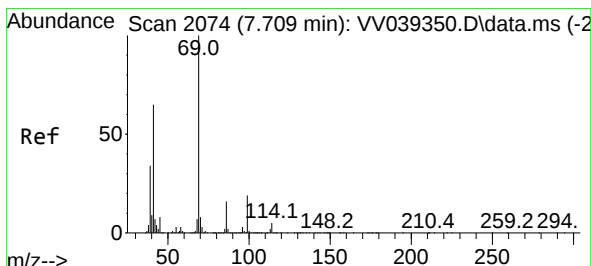
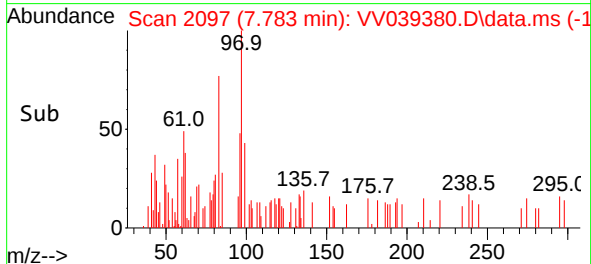
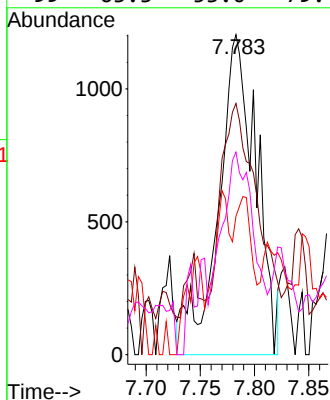
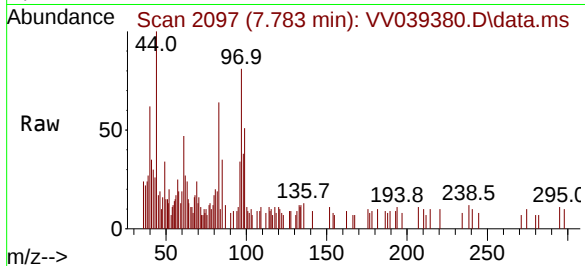
#55
1,1,2-Trichloroethane
Concen: 0.350 ug/l m
RT: 7.783 min Scan# 2100
Delta R.T. 0.029 min
Lab File: VV039380.D
Acq: 13 Nov 2025 14:11

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

Tgt Ion	Ratio	Lower	Upper
97	100		
83	78.5	68.8	103.2
85	43.3	45.2	67.8
99	63.3	53.0	79.4

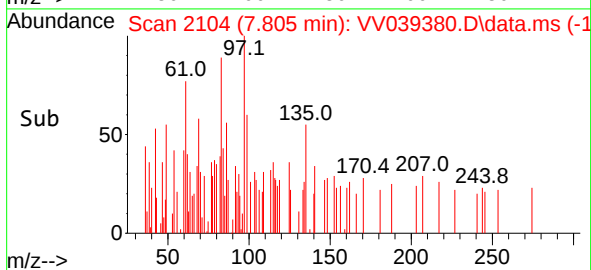
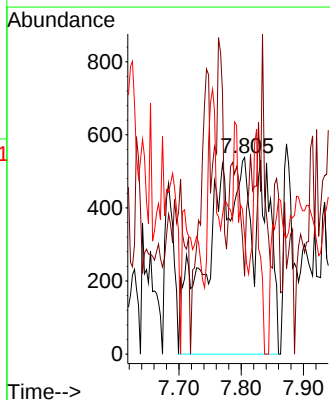
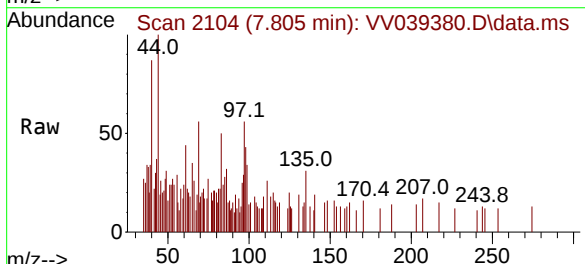
Manual Integrations
APPROVED

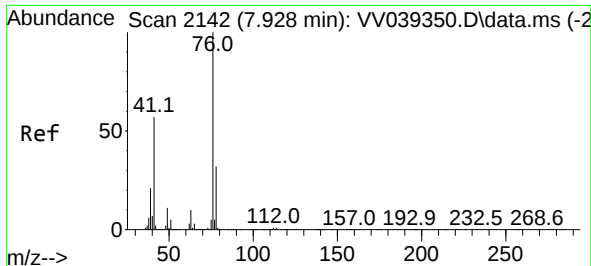
Reviewed By :John Carlone 11/14/2025
Supervised By :Mahesh Dadoda 11/14/2025



#56
Ethyl methacrylate
Concen: 0.324 ug/l m
RT: 7.805 min Scan# 2104
Delta R.T. 0.096 min
Lab File: VV039380.D
Acq: 13 Nov 2025 14:11

Tgt Ion	Ratio	Lower	Upper
69	100		
41	0.0	52.5	78.7#
39	12.2	26.7	40.1#





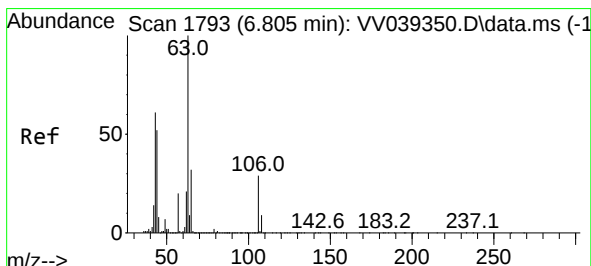
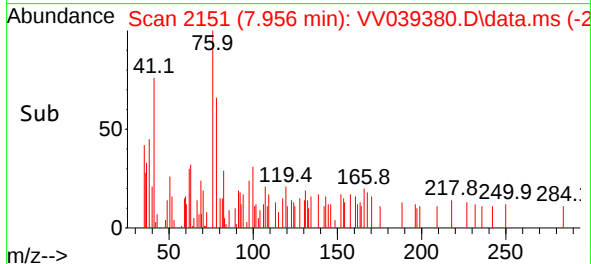
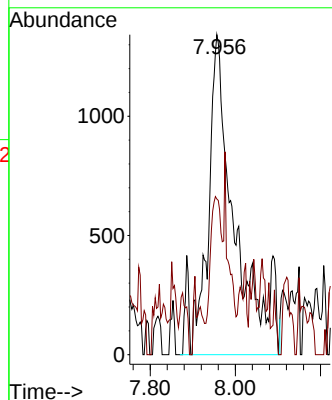
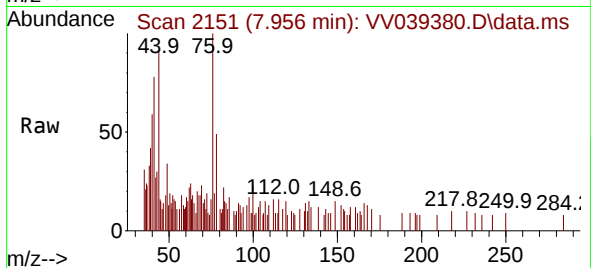
#57
1,3-Dichloropropane
Concen: 0.469 ug/l m
RT: 7.956 min Scan# 2142
Delta R.T. 0.029 min
Lab File: VV039380.D
Acq: 13 Nov 2025 14:11

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

Tgt Ion: 76 Resp: 597
Ion Ratio Lower Upper
76 100
78 2.1 25.6 38.4

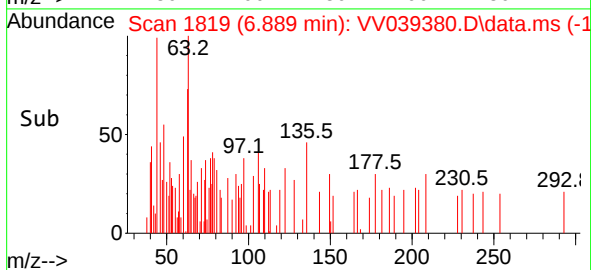
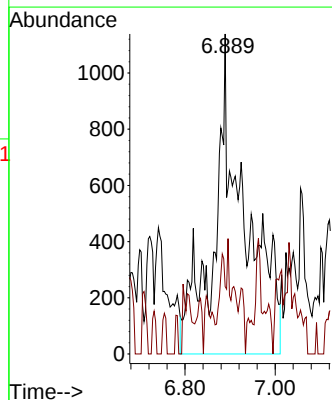
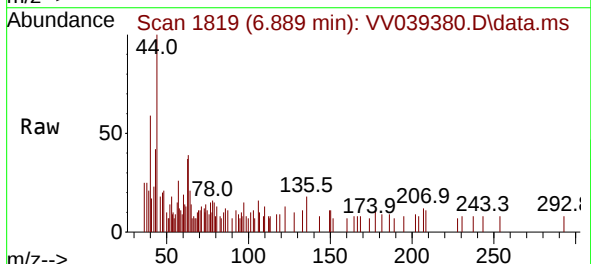
Manual Integrations
APPROVED

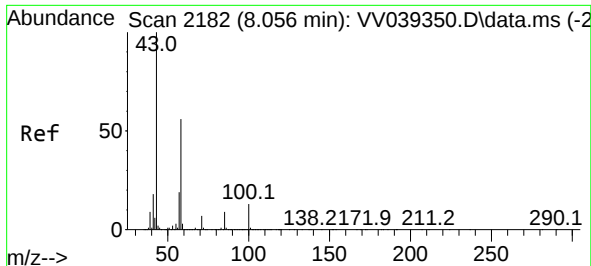
Reviewed By :John Carlone 11/14/2025
Supervised By :Mahesh Dadoda 11/14/2025



#58
2-Chloroethyl Vinyl ether
Concen: 1.850 ug/l m
RT: 6.889 min Scan# 1819
Delta R.T. 0.084 min
Lab File: VV039380.D
Acq: 13 Nov 2025 14:11

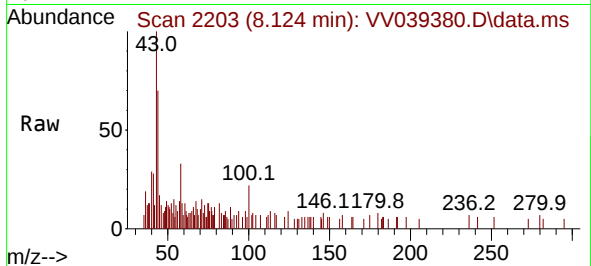
Tgt Ion: 63 Resp: 5263
Ion Ratio Lower Upper
63 100
106 1.4 23.3 34.9





#59
2-Hexanone
Concen: 0.738 ug/l m
RT: 8.124 min Scan# 2182
Delta R.T. 0.068 min
Lab File: VV039380.D
Acq: 13 Nov 2025 14:11

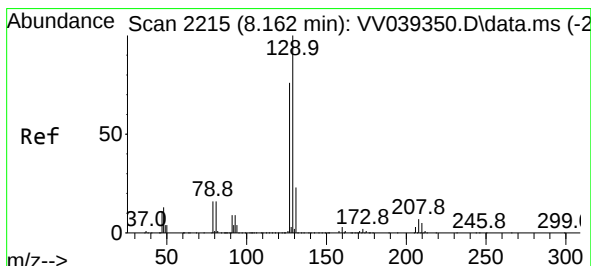
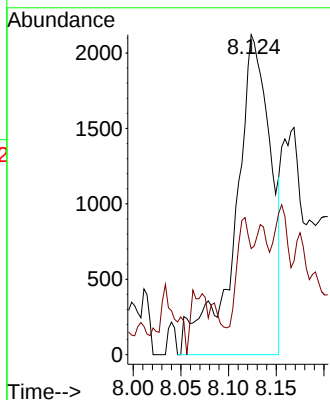
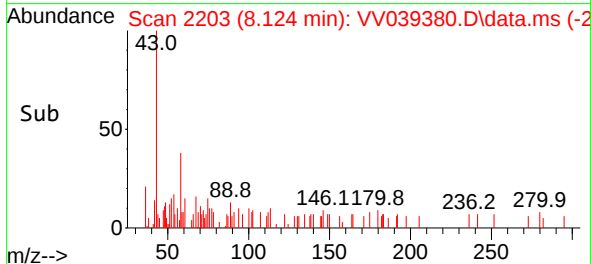
Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-03-QT4-2025



Tgt Ion: 43 Resp: 5500
Ion Ratio Lower Upper
43 100
58 1.6 27.7 83.1

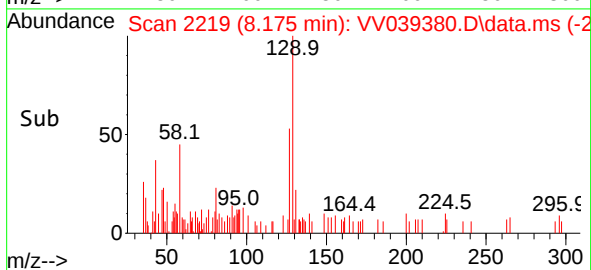
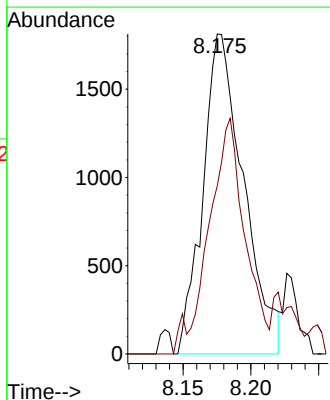
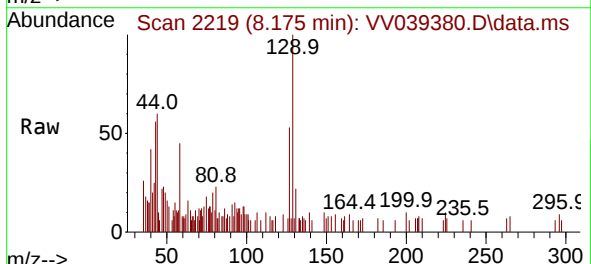
Manual Integrations
APPROVED

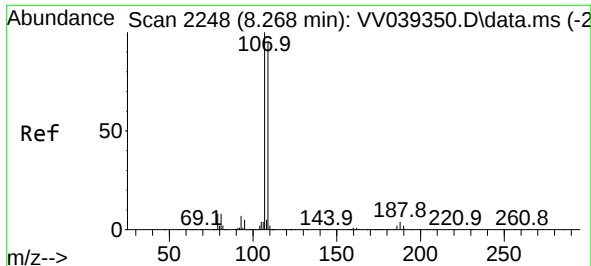
Reviewed By :John Carlone 11/14/2025
Supervised By :Mahesh Dadoda 11/14/2025



#60
Dibromochloromethane
Concen: 0.356 ug/l
RT: 8.175 min Scan# 2219
Delta R.T. 0.013 min
Lab File: VV039380.D
Acq: 13 Nov 2025 14:11

Tgt Ion:129 Resp: 3776
Ion Ratio Lower Upper
129 100
127 63.0 38.6 115.7





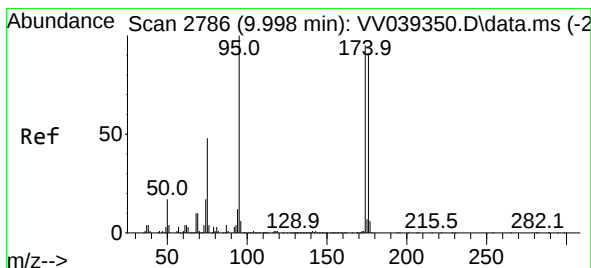
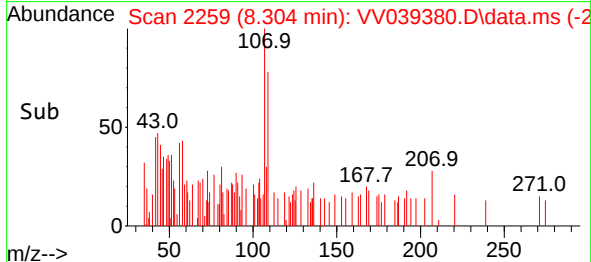
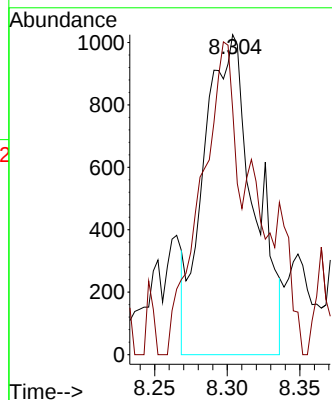
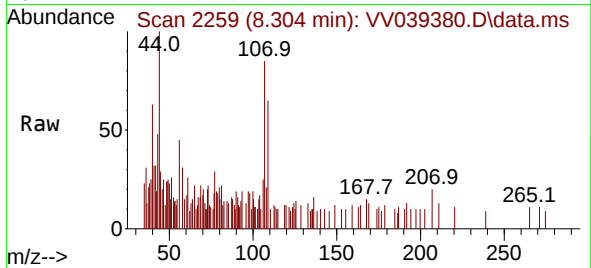
#61
1,2-Dibromoethane
Concen: 0.300 ug/l m
RT: 8.304 min Scan# 21
Delta R.T. 0.035 min
Lab File: VV039380.D
Acq: 13 Nov 2025 14:11

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

Tgt Ion:107 Resp: 242
Ion Ratio Lower Upper
107 100
109 7.9 75.8 113.8

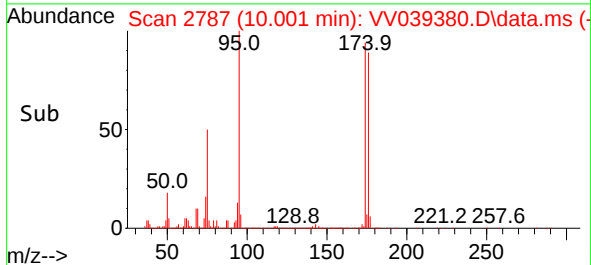
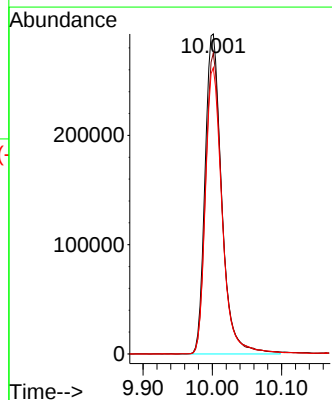
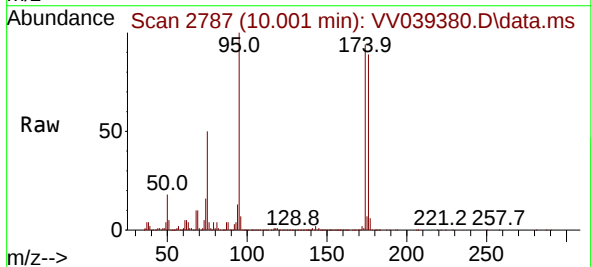
Manual Integrations
APPROVED

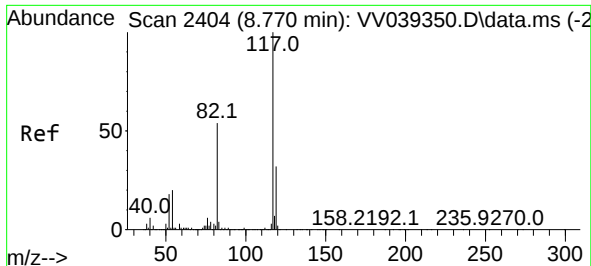
Reviewed By :John Carlone 11/14/2025
Supervised By :Mahesh Dadoda 11/14/2025



#62
4-Bromofluorobenzene
Concen: 44.345 ug/l
RT: 10.001 min Scan# 2787
Delta R.T. 0.003 min
Lab File: VV039380.D
Acq: 13 Nov 2025 14:11

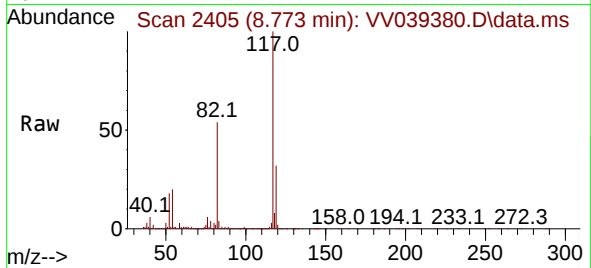
Tgt Ion: 95 Resp: 488088
Ion Ratio Lower Upper
95 100
174 93.6 0.0 187.6
176 89.9 0.0 180.2





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 8.773 min Scan# 2404
Delta R.T. 0.003 min
Lab File: VV039380.D
Acq: 13 Nov 2025 14:11

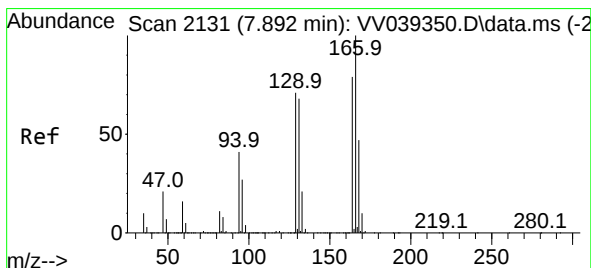
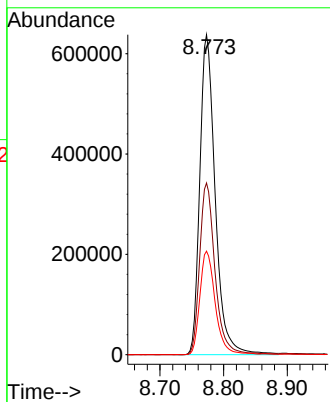
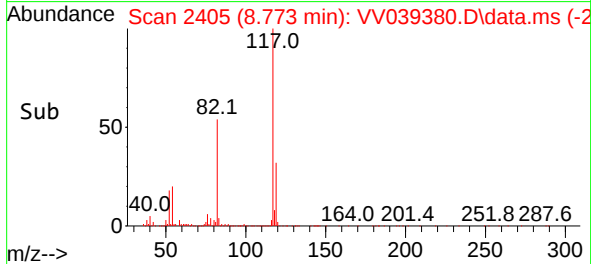
Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-03-QT4-2025



Tgt Ion:117 Resp: 1073700
Ion Ratio Lower Upper
117 100
82 53.6 42.9 64.3
119 32.3 25.5 38.3

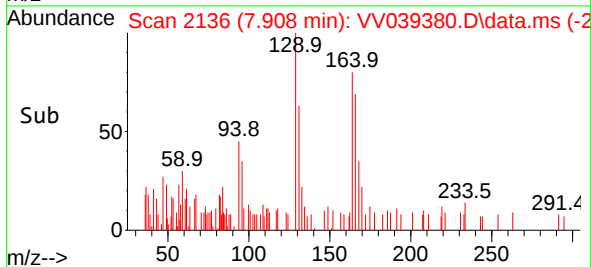
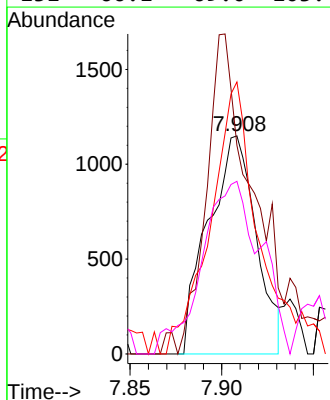
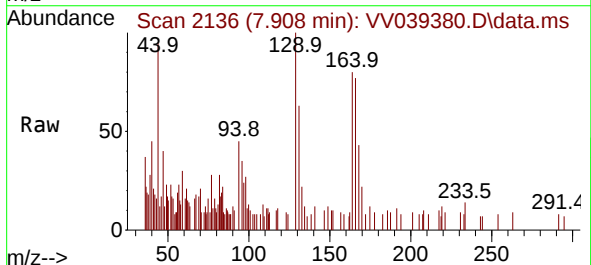
Manual Integrations
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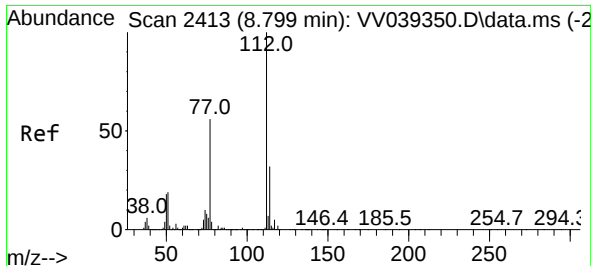
Reviewed By :John Carlone 11/14/2025
Supervised By :Mahesh Dadoda 11/14/2025



#64
Tetrachloroethene
Concen: 0.315 ug/l
RT: 7.908 min Scan# 2136
Delta R.T. 0.016 min
Lab File: VV039380.D
Acq: 13 Nov 2025 14:11

Tgt Ion:164 Resp: 2091
Ion Ratio Lower Upper
164 100
166 95.7 101.9 152.9#
129 112.4 71.8 107.8#
131 66.1 69.0 103.4#





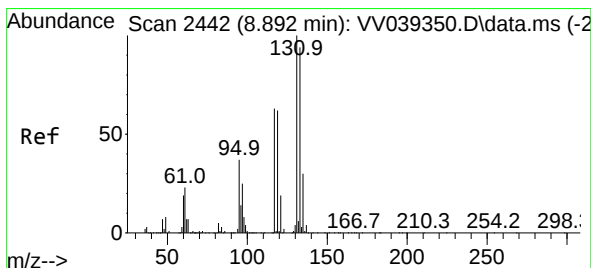
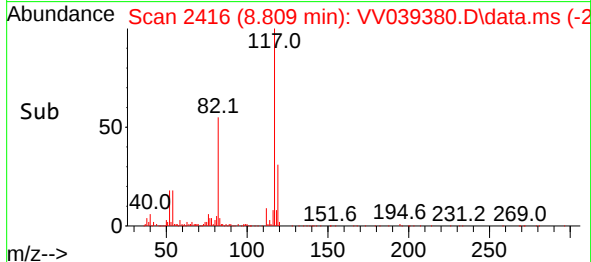
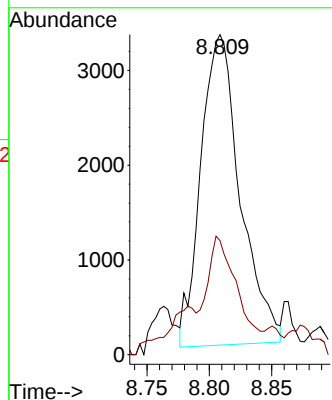
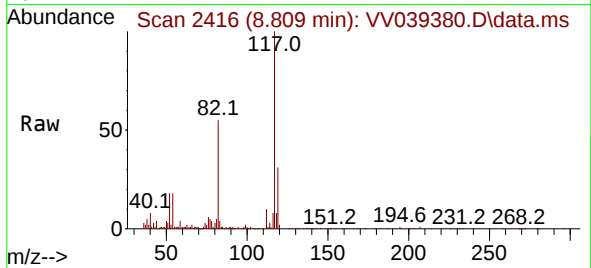
#65
Chlorobenzene
Concen: 0.337 ug/l
RT: 8.809 min Scan# 2413
Delta R.T. 0.010 min
Lab File: VV039380.D
Acq: 13 Nov 2025 14:11

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

Tgt Ion:112 Resp: 720
Ion Ratio Lower Upper
112 100
114 32.2 25.7 38.5

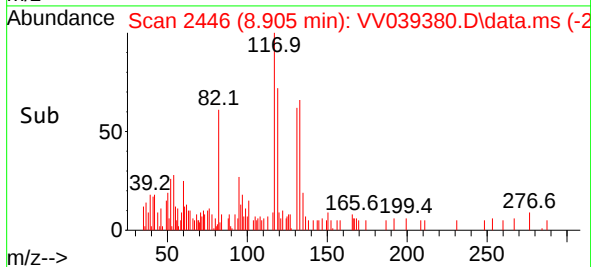
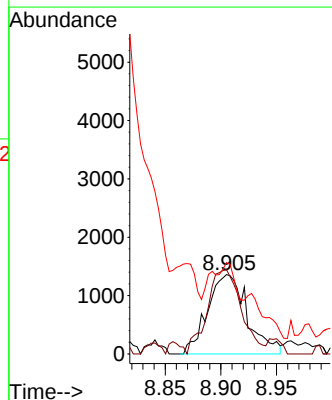
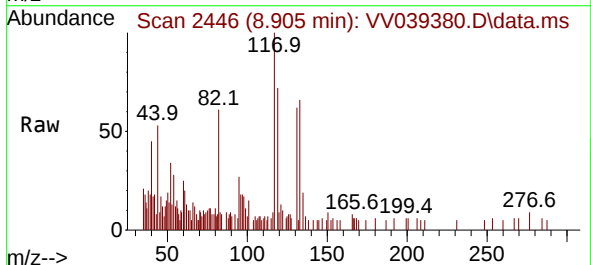
Manual Integrations
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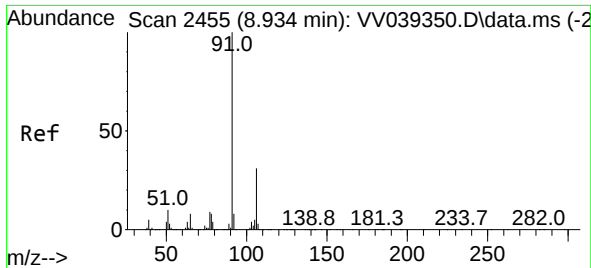
Reviewed By :John Carlone 11/14/2025
Supervised By :Mahesh Dadoda 11/14/2025



#66
1,1,1,2-Tetrachloroethane
Concen: 0.379 ug/l
RT: 8.905 min Scan# 2446
Delta R.T. 0.013 min
Lab File: VV039380.D
Acq: 13 Nov 2025 14:11

Tgt Ion:131 Resp: 3377
Ion Ratio Lower Upper
131 100
133 91.2 47.9 143.8
119 0.0 31.6 94.8





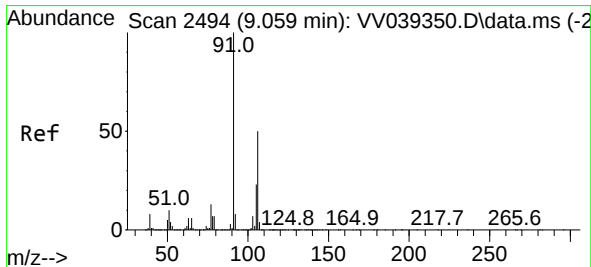
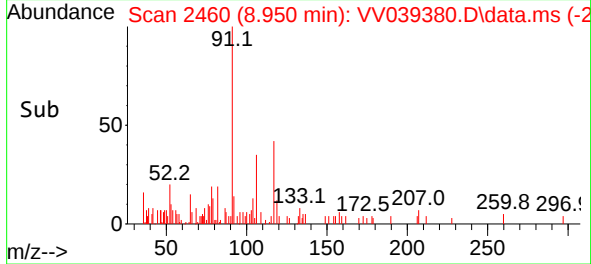
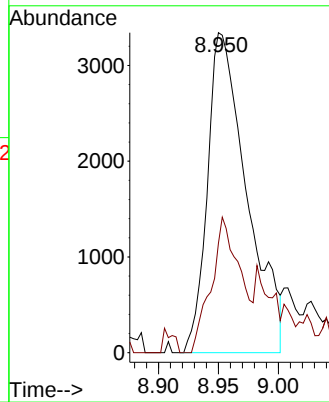
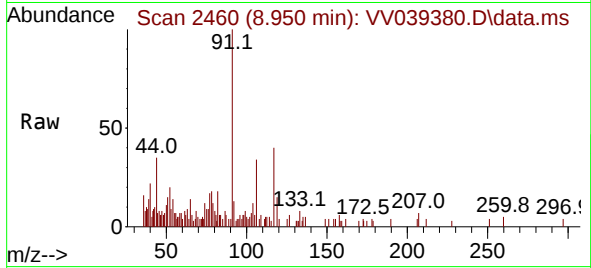
#67
Ethyl Benzene
Concen: 0.248 ug/l
RT: 8.950 min Scan# 2455
Delta R.T. 0.016 min
Lab File: VV039380.D
Acq: 13 Nov 2025 14:11

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

Tgt Ion: 91 Resp: 766
Ion Ratio Lower Upper
91 100
106 34.2 24.9 37.3

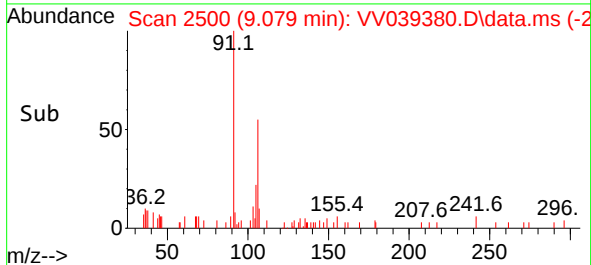
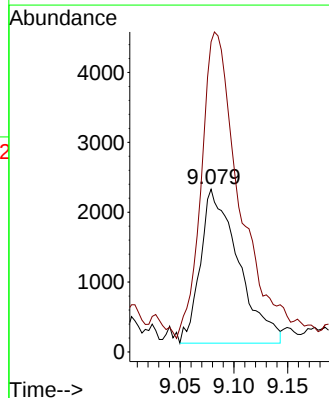
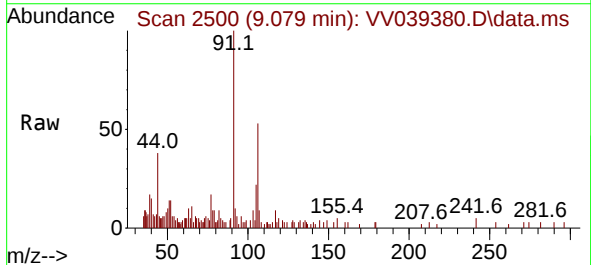
Manual Integrations
APPROVED

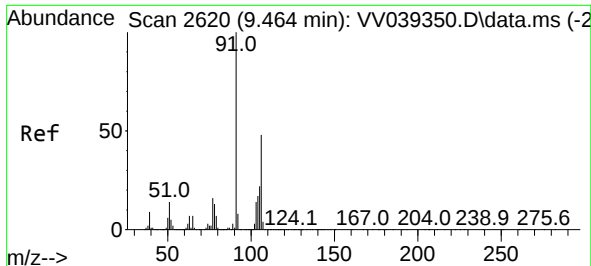
Reviewed By :John Carlone 11/14/2025
Supervised By :Mahesh Dadoda 11/14/2025



#68
m/p-Xylenes
Concen: 0.464 ug/l
RT: 9.079 min Scan# 2500
Delta R.T. 0.019 min
Lab File: VV039380.D
Acq: 13 Nov 2025 14:11

Tgt Ion:106 Resp: 5423
Ion Ratio Lower Upper
106 100
91 204.8 161.5 242.3





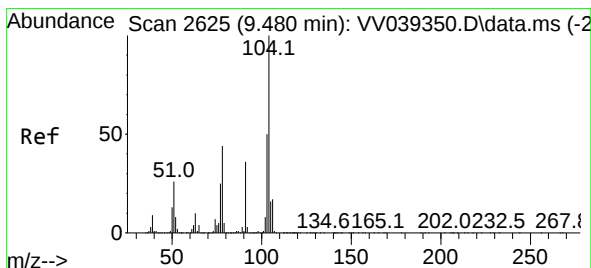
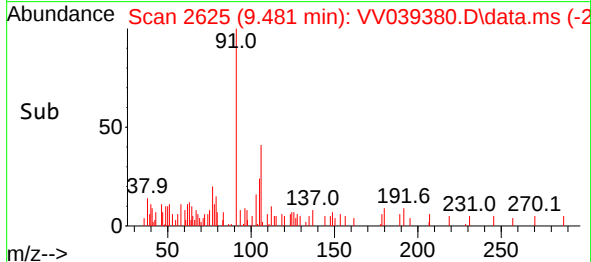
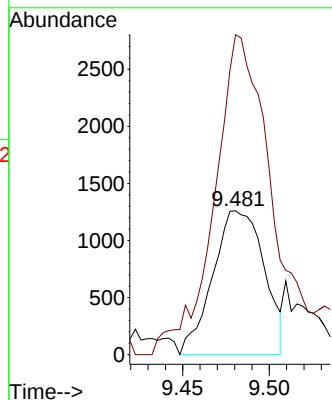
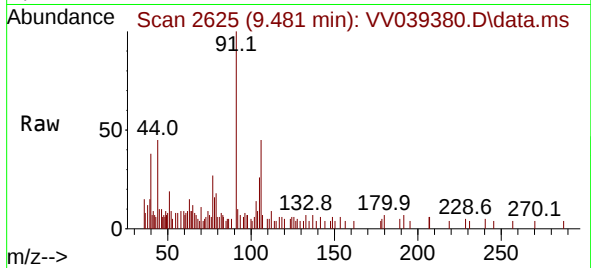
#69
o-Xylene
Concen: 0.236 ug/l
RT: 9.481 min Scan# 2620
Delta R.T. 0.016 min
Lab File: VV039380.D
Acq: 13 Nov 2025 14:11

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

Tgt Ion:106 Resp: 2600
Ion Ratio Lower Upper
106 100
91 245.0 105.9 317.7

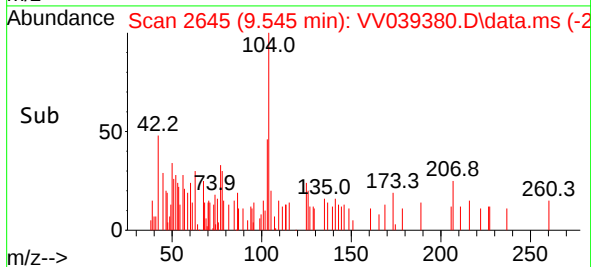
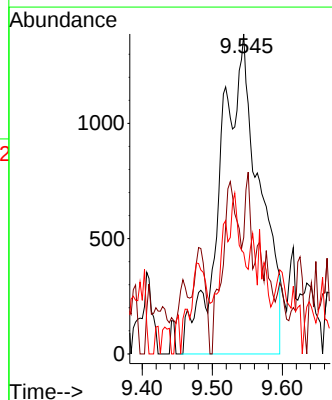
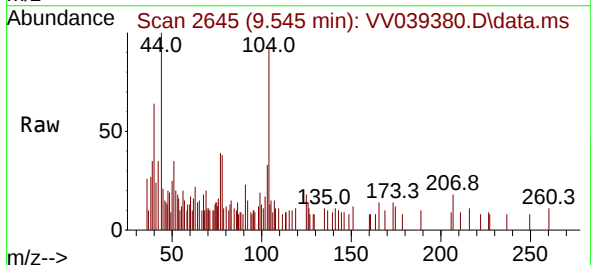
Manual Integrations
APPROVED

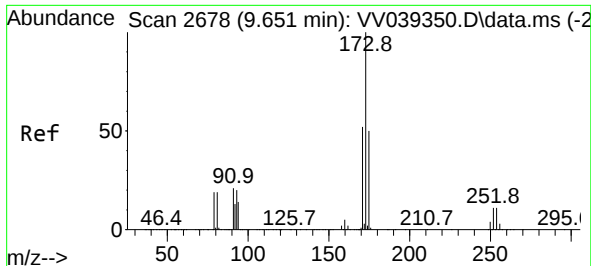
Reviewed By :John Carlone 11/14/2025
Supervised By :Mahesh Dadoda 11/14/2025



#70
Styrene
Concen: 0.272 ug/l m
RT: 9.545 min Scan# 2645
Delta R.T. 0.064 min
Lab File: VV039380.D
Acq: 13 Nov 2025 14:11

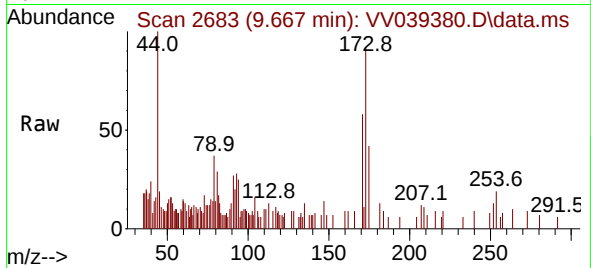
Tgt Ion:104 Resp: 5367
Ion Ratio Lower Upper
104 100
78 2.8 39.0 58.4#
103 4.3 43.4 65.2#





#71
Bromoform
Concen: 0.410 ug/l
RT: 9.667 min Scan# 2683
Delta R.T. 0.016 min
Lab File: VV039380.D
Acq: 13 Nov 2025 14:11

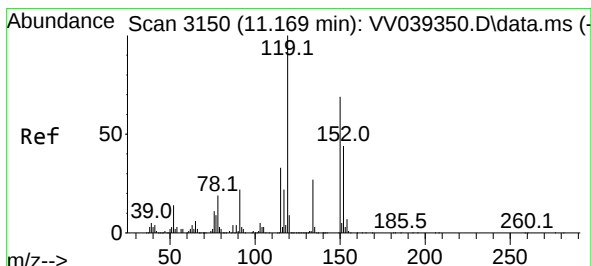
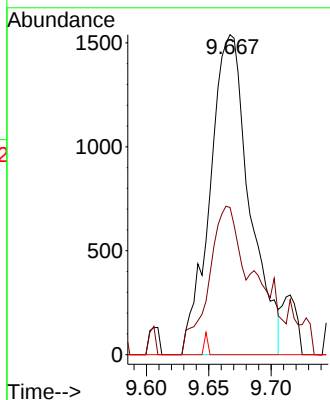
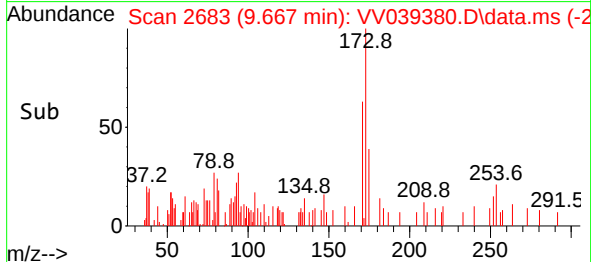
Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-03-QT4-2025



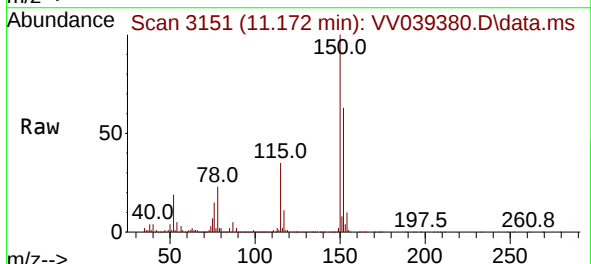
Tgt Ion:173 Resp: 339
Ion Ratio Lower Upper
173 100
175 37.3 24.5 73.5
254 0.6 0.1 0.1

Manual Integrations
APPROVED

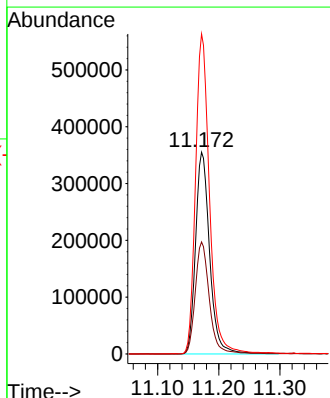
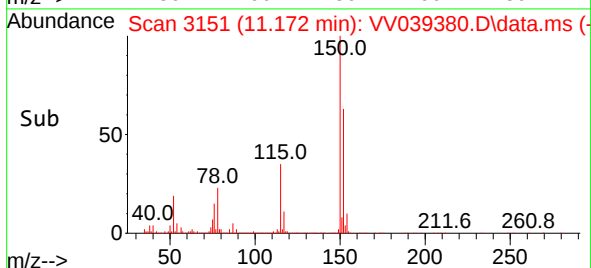
Reviewed By :John Carlone 11/14/2025
Supervised By :Mahesh Dadoda 11/14/2025

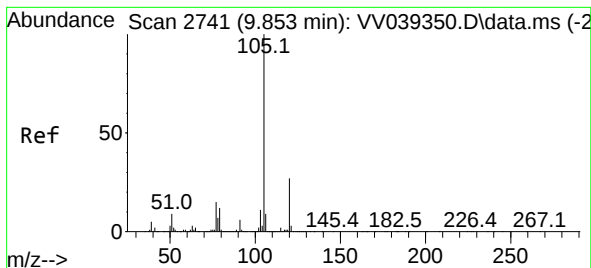


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.172 min Scan# 3151
Delta R.T. 0.003 min
Lab File: VV039380.D
Acq: 13 Nov 2025 14:11



Tgt Ion:152 Resp: 569720
Ion Ratio Lower Upper
152 100
115 55.5 37.3 111.9
150 156.1 0.0 340.4





#73

Isopropylbenzene

Concen: 0.255 ug/l

RT: 9.863 min Scan# 21

Delta R.T. 0.010 min

Lab File: VV039380.D

Acq: 13 Nov 2025 14:11

Instrument :

MSVOA_V

ClientSampleId :

MDL-WATER-03-QT4-2025

Tgt Ion:105 Resp: 708

Ion Ratio Lower Upper

105 100

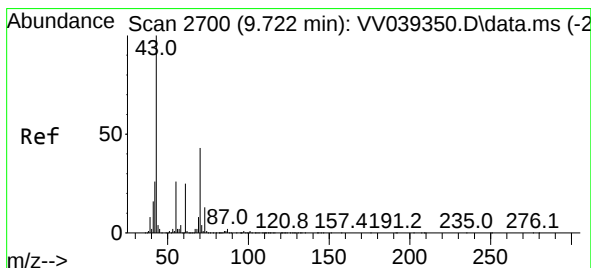
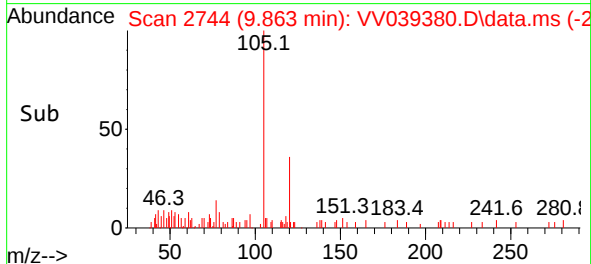
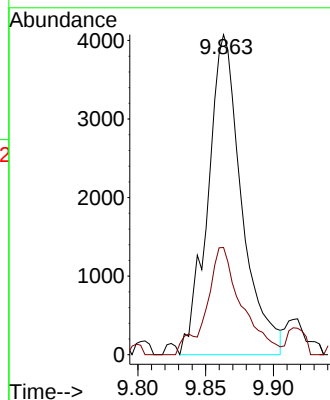
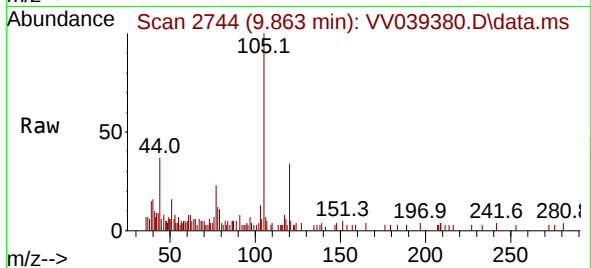
120 35.0 13.4 40.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/14/2025

Supervised By :Mahesh Dadoda 11/14/2025



#74

N-ethyl acetate

Concen: 0.305 ug/l m

RT: 9.776 min Scan# 2717

Delta R.T. 0.055 min

Lab File: VV039380.D

Acq: 13 Nov 2025 14:11

Tgt Ion: 43 Resp: 3329

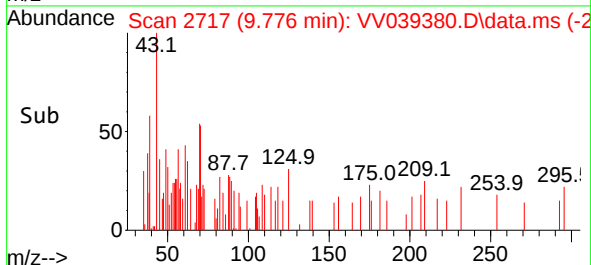
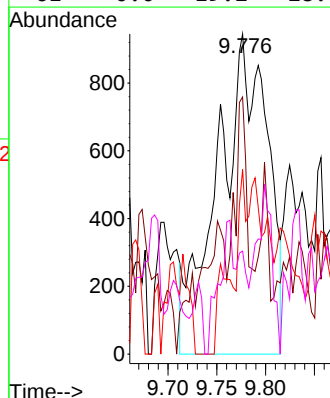
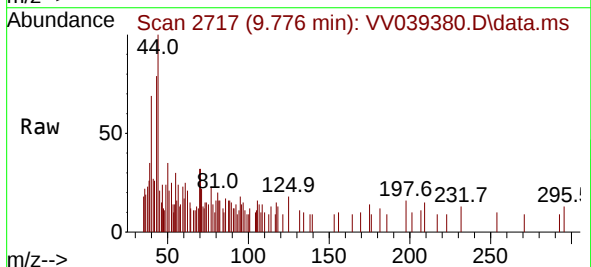
Ion Ratio Lower Upper

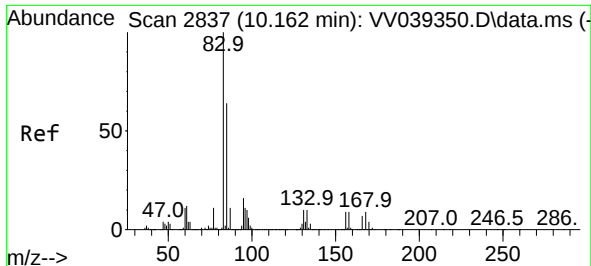
43 100

70 5.6 34.6 51.8#

55 7.0 21.0 31.6#

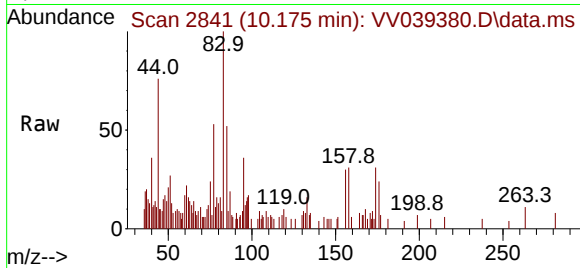
61 0.0 19.2 28.8#





#75
1,1,2,2-Tetrachloroethane
Concen: 0.403 ug/l
RT: 10.175 min Scan# 2841
Delta R.T. 0.013 min
Lab File: VV039380.D
Acq: 13 Nov 2025 14:11

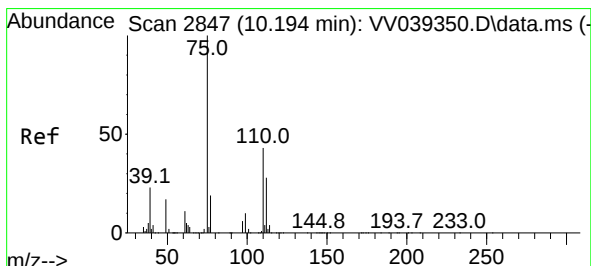
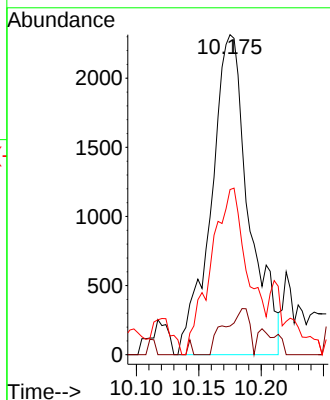
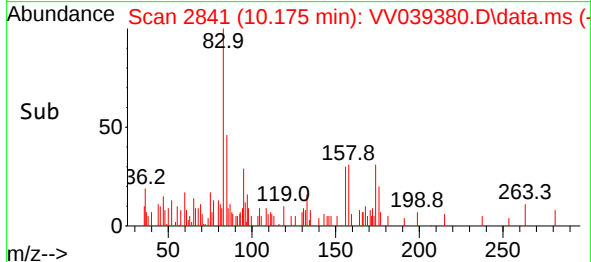
Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-03-QT4-2025



Tgt Ion: 83 Resp: 487
Ion Ratio Lower Upper
83 100
131 9.4 5.4 16.2
85 51.5 32.0 96.2

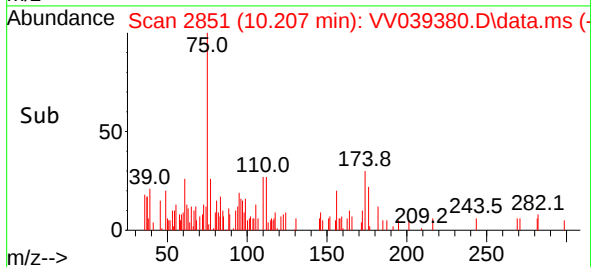
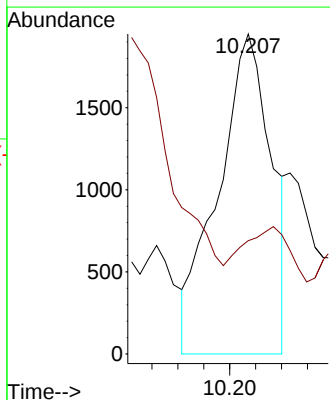
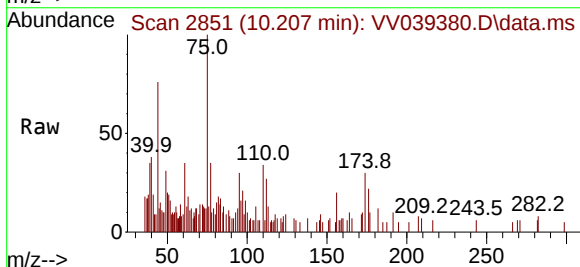
Manual Integrations
APPROVED

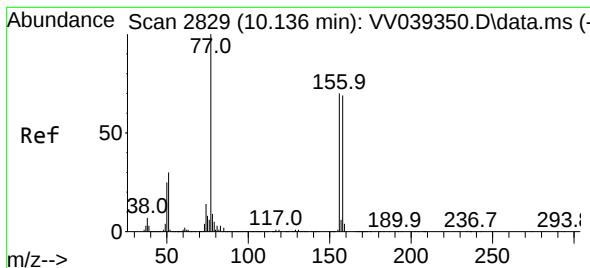
Reviewed By :John Carlone 11/14/2025
Supervised By :Mahesh Dadoda 11/14/2025



#76
1,2,3-Trichloropropane
Concen: 0.315 ug/l m
RT: 10.207 min Scan# 2851
Delta R.T. 0.013 min
Lab File: VV039380.D
Acq: 13 Nov 2025 14:11

Tgt Ion: 75 Resp: 2783
Ion Ratio Lower Upper
75 100
77 103.1 11.8 35.3#





#77

Bromobenzene

Concen: 0.344 ug/l

RT: 10.156 min Scan# 2835

Delta R.T. 0.019 min

Lab File: VV039380.D

Acq: 13 Nov 2025 14:11

Instrument :

MSVOA_V

ClientSampleId :

MDL-WATER-03-QT4-2025

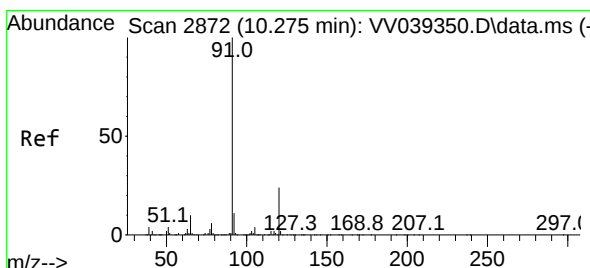
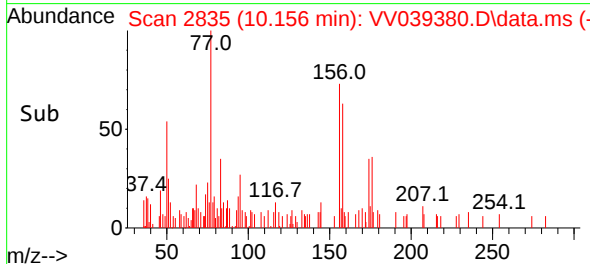
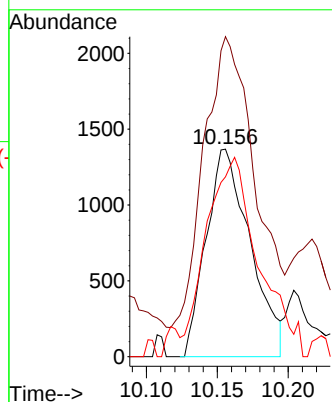
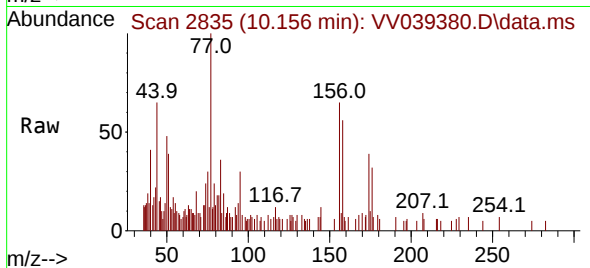
Tgt Ion:	156	Resp:	2950
Ion Ratio	Lower	Upper	
156	100		
77	160.6	70.3	210.9
158	113.9	49.4	148.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/14/2025

Supervised By :Mahesh Dadoda 11/14/2025



#78

n-propylbenzene

Concen: 0.289 ug/l

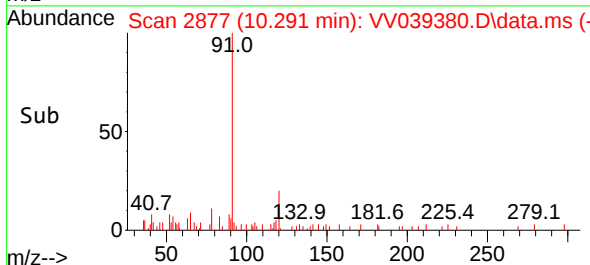
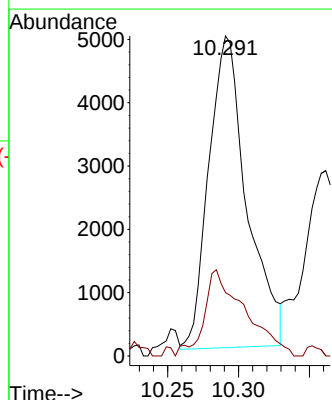
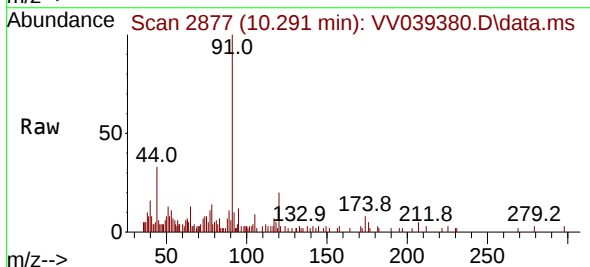
RT: 10.291 min Scan# 2877

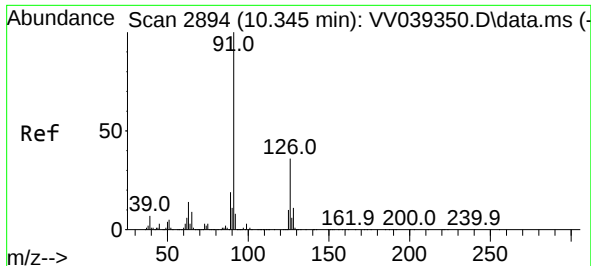
Delta R.T. 0.016 min

Lab File: VV039380.D

Acq: 13 Nov 2025 14:11

Tgt Ion:	91	Resp:	9204
Ion Ratio	Lower	Upper	
91	100		
120	29.6	12.0	36.0





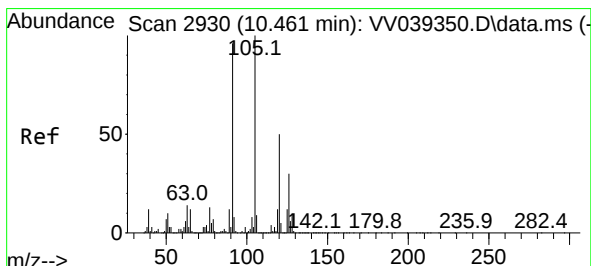
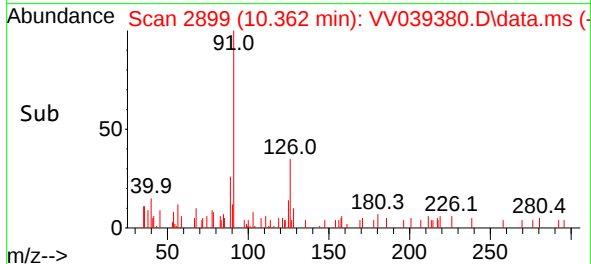
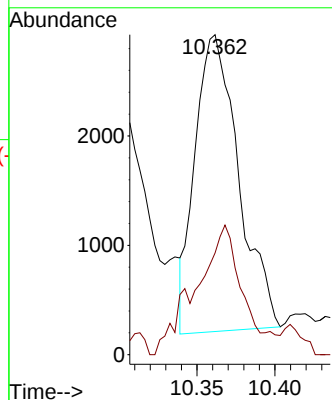
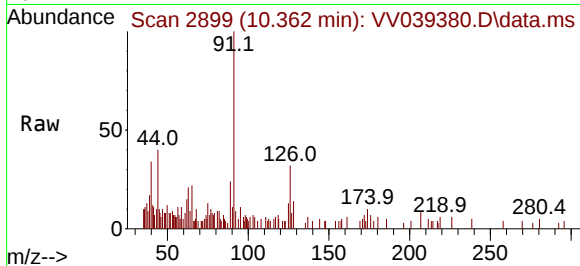
#79
2-Chlorotoluene
Concen: 0.258 ug/l
RT: 10.362 min Scan# 2899
Delta R.T. 0.016 min
Lab File: VV039380.D
Acq: 13 Nov 2025 14:11

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

Tgt Ion: 91 Resp: 527
Ion Ratio Lower Upper
91 100
126 34.2 17.6 52.8

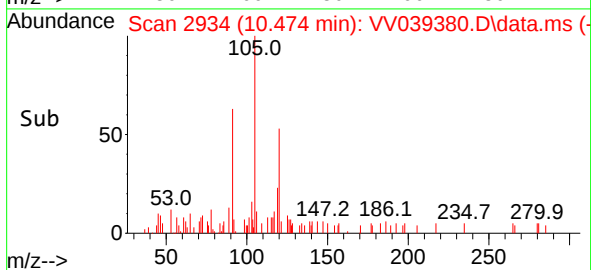
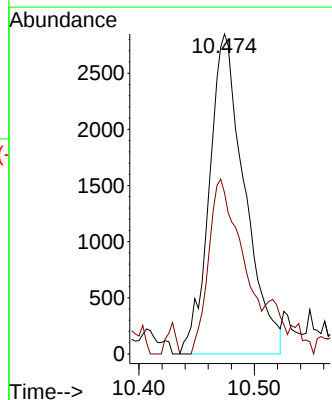
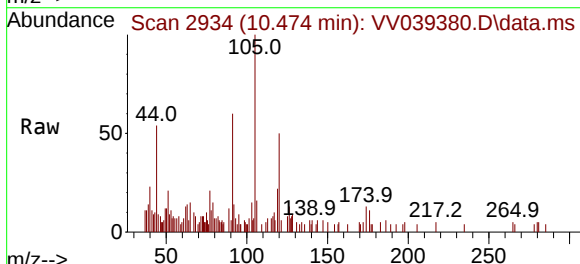
Manual Integrations
APPROVED

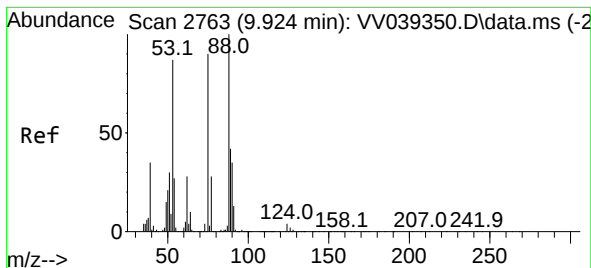
Reviewed By :John Carlone 11/14/2025
Supervised By :Mahesh Dadoda 11/14/2025



#80
1,3,5-Trimethylbenzene
Concen: 0.266 ug/l
RT: 10.474 min Scan# 2934
Delta R.T. 0.013 min
Lab File: VV039380.D
Acq: 13 Nov 2025 14:11

Tgt Ion:105 Resp: 6042
Ion Ratio Lower Upper
105 100
120 51.9 25.1 75.4





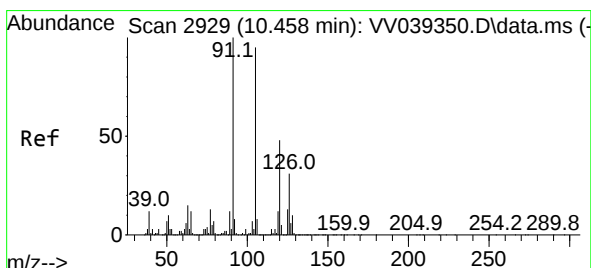
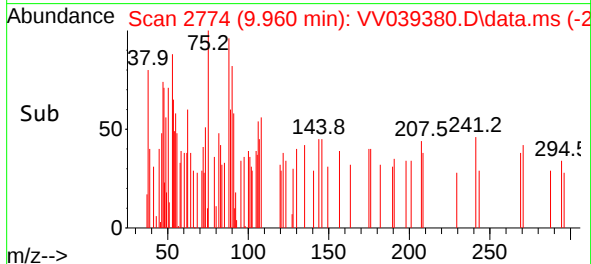
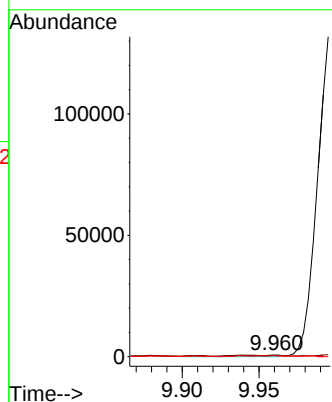
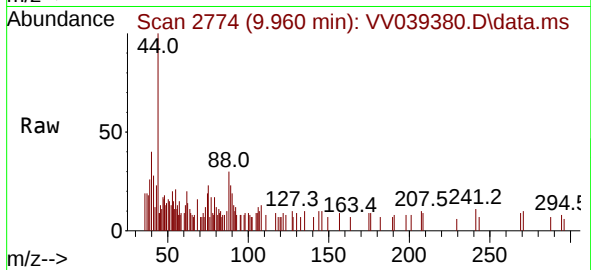
#81
trans-1,4-Dichloro-2-butene
Concen: 0.441 ug/l m
RT: 9.960 min Scan# 21
Delta R.T. 0.035 min
Lab File: VV039380.D
Acq: 13 Nov 2025 14:11

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

Tgt Ion: 75 Resp: 1454
Ion Ratio Lower Upper
75 100
53 61.5 79.0 118.6
89 1.5 40.4 60.6

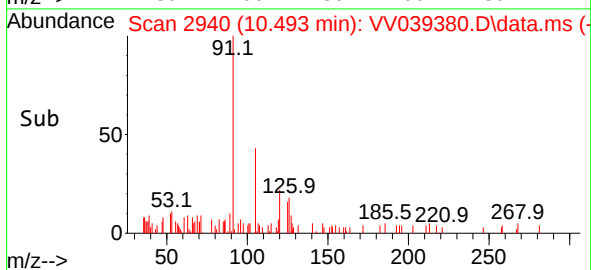
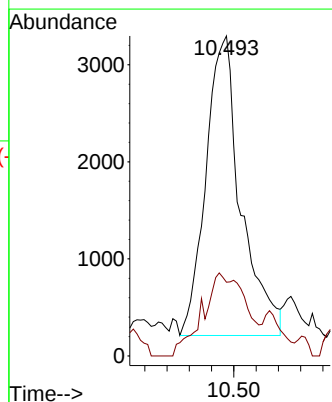
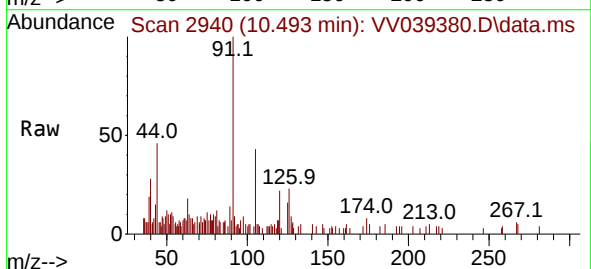
Manual Integrations
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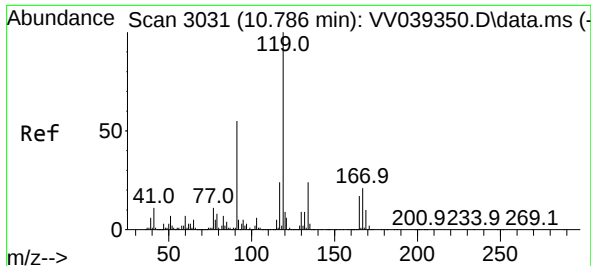
Reviewed By :John Carlone 11/14/2025
Supervised By :Mahesh Dadoda 11/14/2025



#82
4-Chlorotoluene
Concen: 0.295 ug/l
RT: 10.493 min Scan# 2940
Delta R.T. 0.035 min
Lab File: VV039380.D
Acq: 13 Nov 2025 14:11

Tgt Ion: 91 Resp: 6721
Ion Ratio Lower Upper
91 100
126 34.1 15.3 45.9





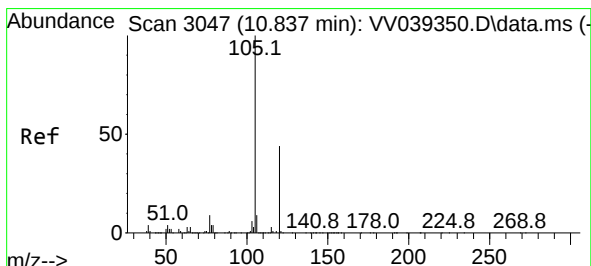
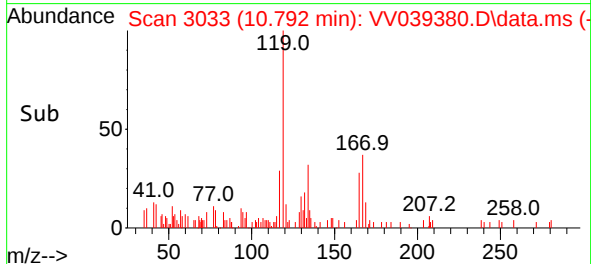
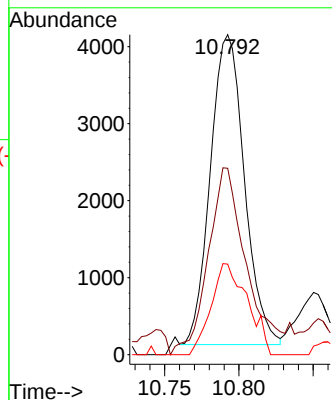
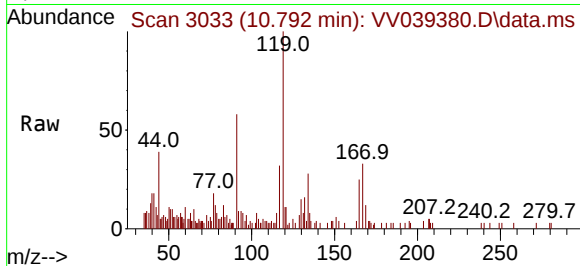
#83
 tert-Butylbenzene
 Concen: 0.257 ug/l
 RT: 10.792 min Scan# 3033
 Delta R.T. 0.006 min
 Lab File: VV039380.D
 Acq: 13 Nov 2025 14:11

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

Tgt Ion	Ratio	Lower	Upper
119	100		
91	67.9	26.5	79.5
134	31.3	11.9	35.5

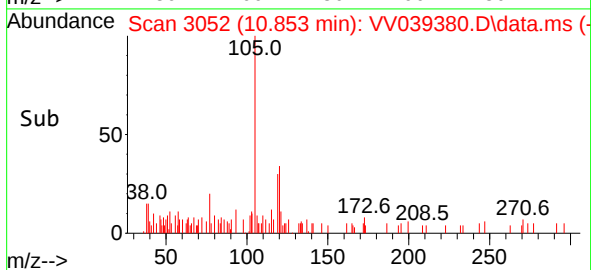
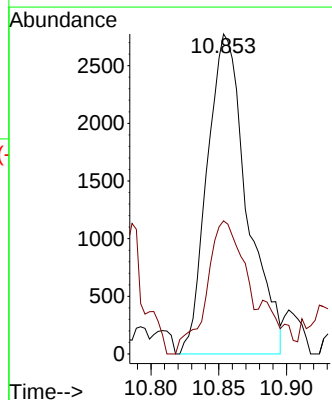
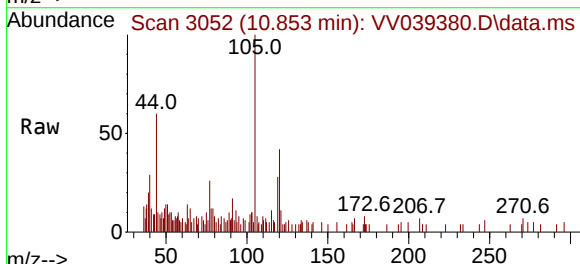
Manual Integrations
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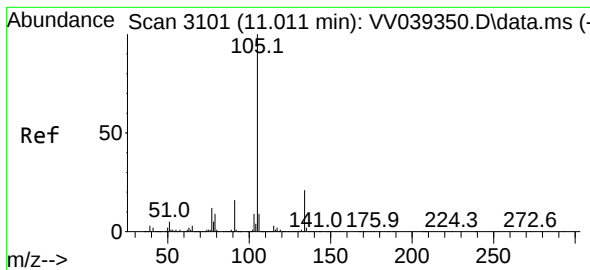
Reviewed By :John Carlone 11/14/2025
 Supervised By :Mahesh Dadoda 11/14/2025



#84
 1,2,4-Trimethylbenzene
 Concen: 0.256 ug/l
 RT: 10.853 min Scan# 3052
 Delta R.T. 0.016 min
 Lab File: VV039380.D
 Acq: 13 Nov 2025 14:11

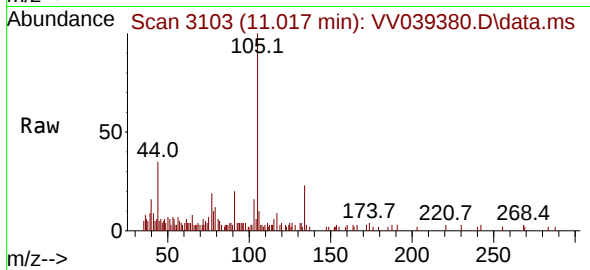
Tgt Ion	Ratio	Lower	Upper
105	100		
120	40.2	23.0	69.0





#85
 sec-Butylbenzene
 Concen: 0.268 ug/l
 RT: 11.017 min Scan# 3101
 Delta R.T. 0.006 min
 Lab File: VV039380.D
 Acq: 13 Nov 2025 14:11

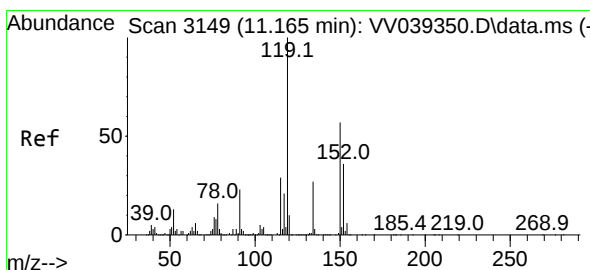
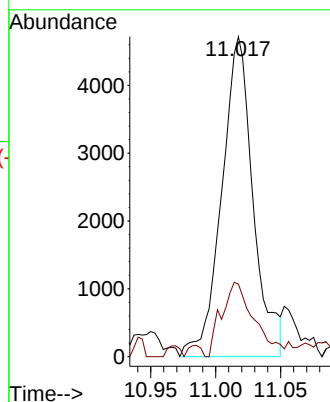
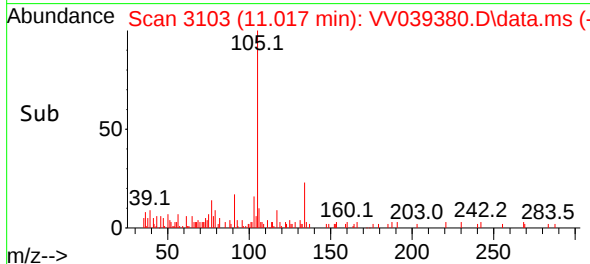
Instrument : MSVOA_V
 ClientSampleId :
 MDL-WATER-03-QT4-2025



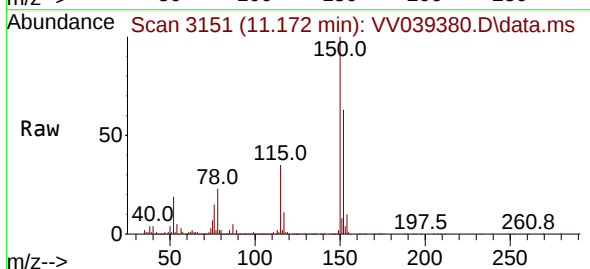
Tgt Ion:105 Resp: 7949
 Ion Ratio Lower Upper
 105 100
 134 24.2 10.5 31.6

Manual Integrations
 APPROVED

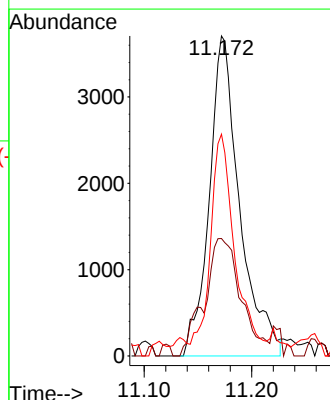
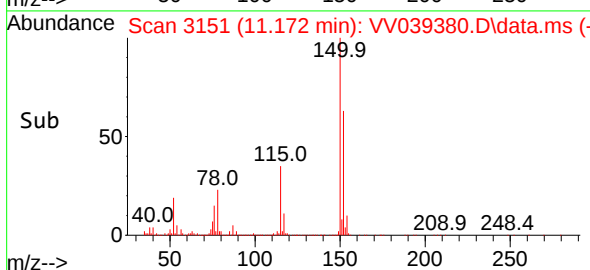
Reviewed By :John Carlone 11/14/2025
 Supervised By :Mahesh Dadoda 11/14/2025

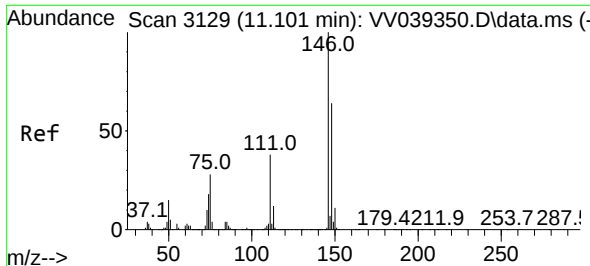


#86
 p-Isopropyltoluene
 Concen: 0.285 ug/l
 RT: 11.172 min Scan# 3151
 Delta R.T. 0.006 min
 Lab File: VV039380.D
 Acq: 13 Nov 2025 14:11



Tgt Ion:119 Resp: 7287
 Ion Ratio Lower Upper
 119 100
 134 44.4 13.4 40.2#
 91 48.5 11.5 34.4#





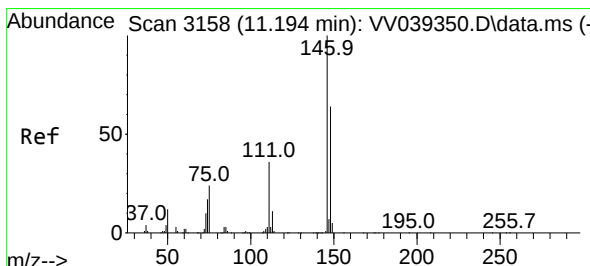
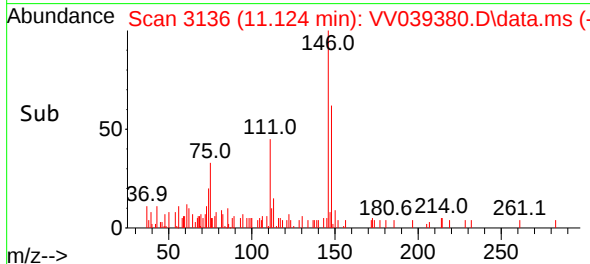
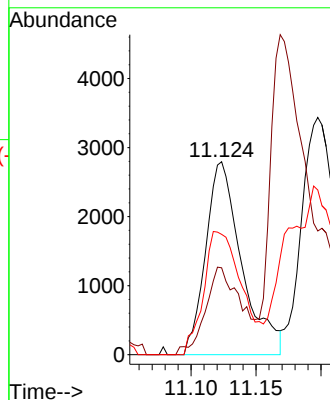
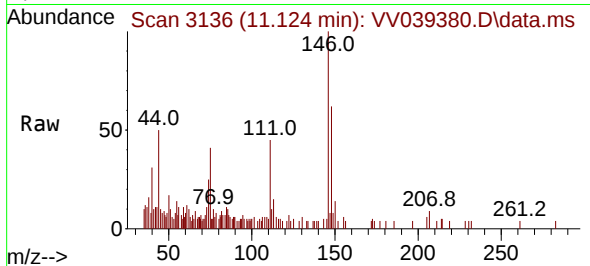
#87
1,3-Dichlorobenzene
Concen: 0.327 ug/l
RT: 11.124 min Scan# 3113
Delta R.T. 0.023 min
Lab File: VV039380.D
Acq: 13 Nov 2025 14:11

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

Tgt Ion:146 Resp: 539
Ion Ratio Lower Upper
146 100
111 44.6 18.8 56.4
148 68.1 31.9 95.5

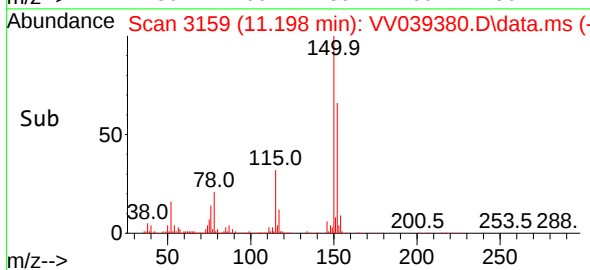
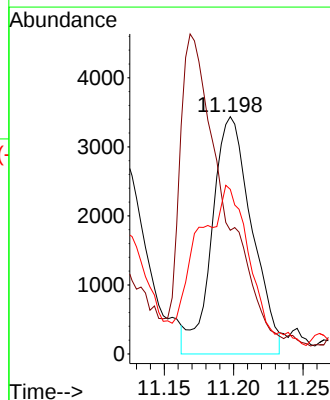
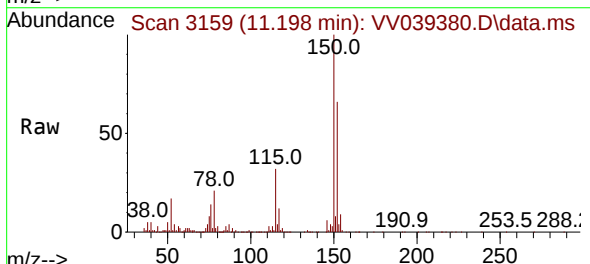
Manual Integrations
APPROVED

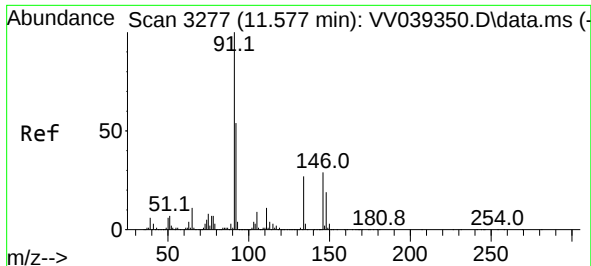
Reviewed By :John Carlone 11/14/2025
Supervised By :Mahesh Dadoda 11/14/2025



#88
1,4-Dichlorobenzene
Concen: 0.380 ug/l m
RT: 11.198 min Scan# 3159
Delta R.T. 0.003 min
Lab File: VV039380.D
Acq: 13 Nov 2025 14:11

Tgt Ion:146 Resp: 6832
Ion Ratio Lower Upper
146 100
111 35.2 18.6 55.8
148 53.8 32.0 96.2





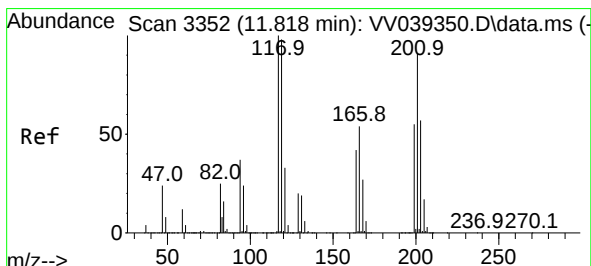
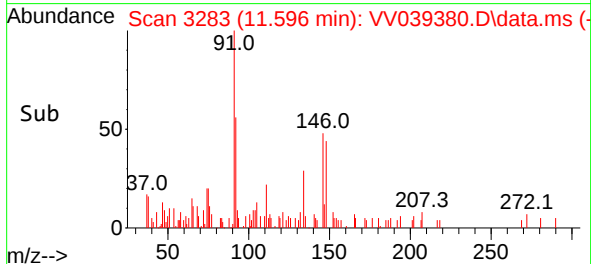
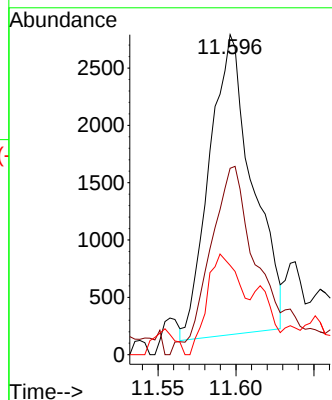
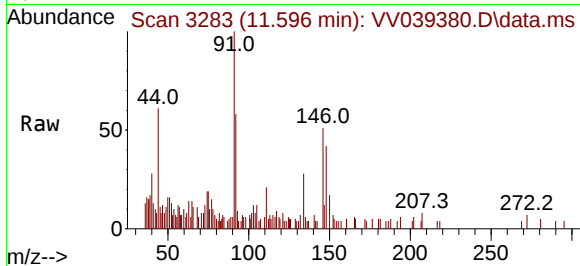
#89
n-Butylbenzene
Concen: 0.221 ug/l
RT: 11.596 min Scan# 3283
Delta R.T. 0.019 min
Lab File: VV039380.D
Acq: 13 Nov 2025 14:11

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

Tgt Ion: 91 Resp: 503
Ion Ratio Lower Upper
91 100
92 75.0 26.9 80.7
134 26.8 13.5 40.5

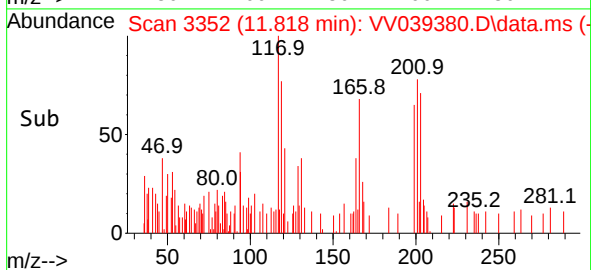
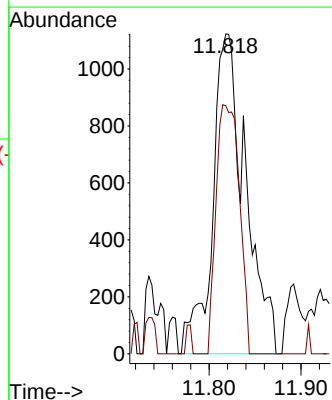
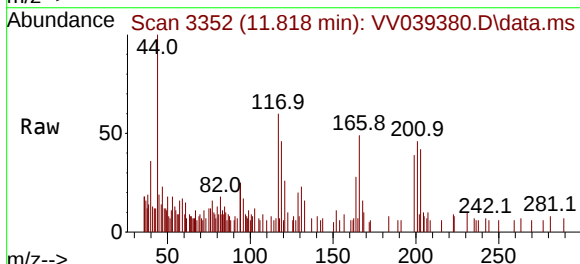
Manual Integrations
APPROVED

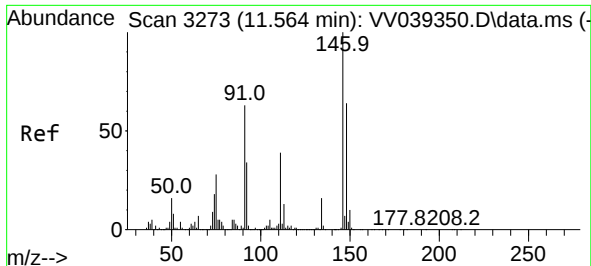
Reviewed By :John Carlone 11/14/2025
Supervised By :Mahesh Dadoda 11/14/2025



#90
Hexachloroethane
Concen: 0.438 ug/l m
RT: 11.818 min Scan# 3352
Delta R.T. 0.000 min
Lab File: VV039380.D
Acq: 13 Nov 2025 14:11

Tgt Ion:117 Resp: 2793
Ion Ratio Lower Upper
117 100
201 55.1 45.3 135.8





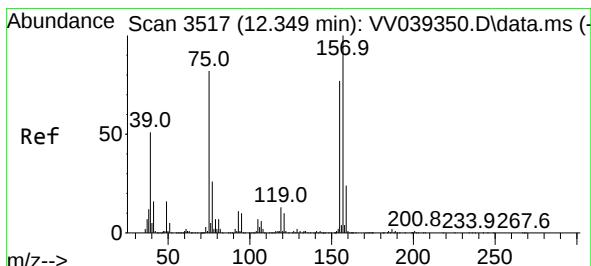
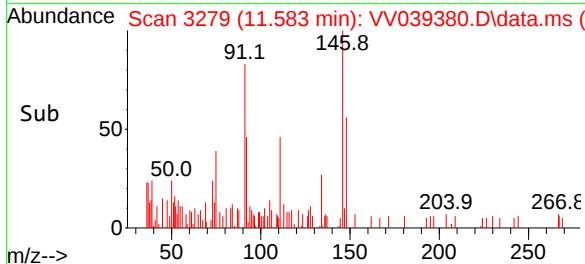
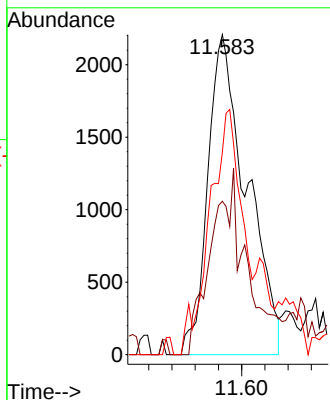
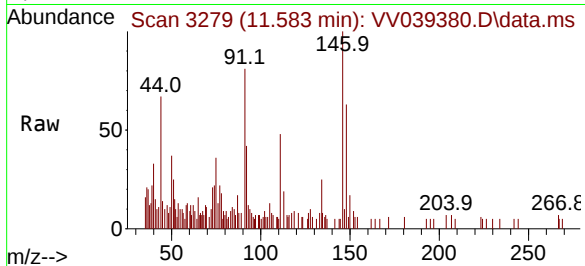
#91
1,2-Dichlorobenzene
Concen: 0.319 ug/l m
RT: 11.583 min Scan# 31
Delta R.T. 0.019 min
Lab File: VV039380.D
Acq: 13 Nov 2025 14:11

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

Tgt Ion:146 Resp: 513
Ion Ratio Lower Upper
146 100
111 2.0 19.5 58.5
148 3.0 32.0 96.0

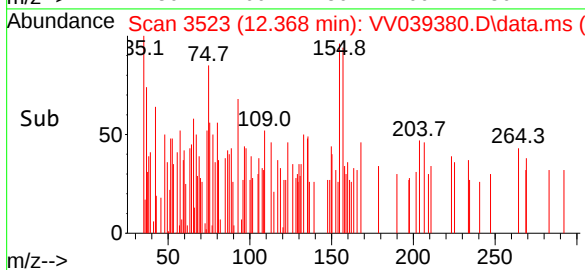
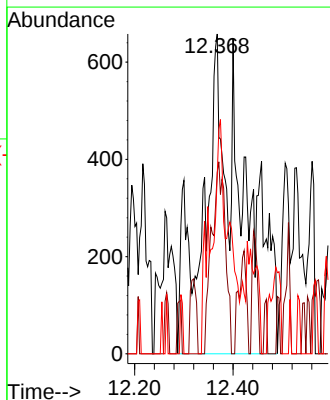
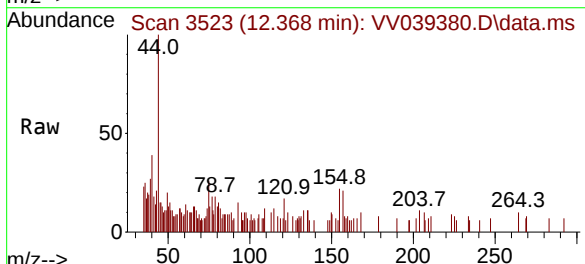
Manual Integrations
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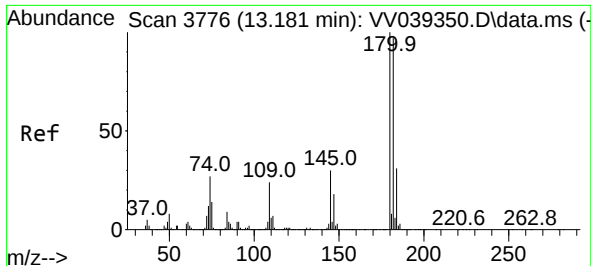
Reviewed By :John Carlone 11/14/2025
Supervised By :Mahesh Dadoda 11/14/2025



#92
1,2-Dibromo-3-Chloropropane
Concen: 1.457 ug/l m
RT: 12.368 min Scan# 3523
Delta R.T. 0.019 min
Lab File: VV039380.D
Acq: 13 Nov 2025 14:11

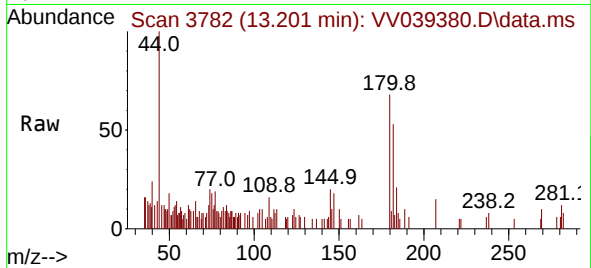
Tgt Ion: 75 Resp: 3630
Ion Ratio Lower Upper
75 100
155 0.0 47.0 141.2#
157 3.4 61.3 183.9#





#93
1,2,4-Trichlorobenzene
Concen: 0.414 ug/l m
RT: 13.201 min Scan# 3782
Delta R.T. 0.019 min
Lab File: VV039380.D
Acq: 13 Nov 2025 14:11

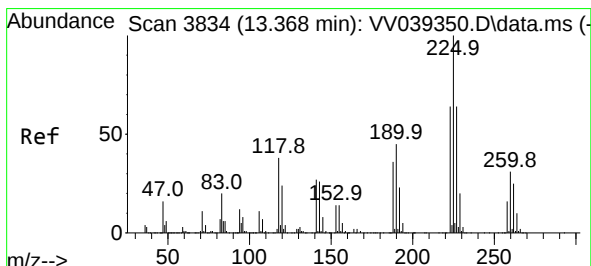
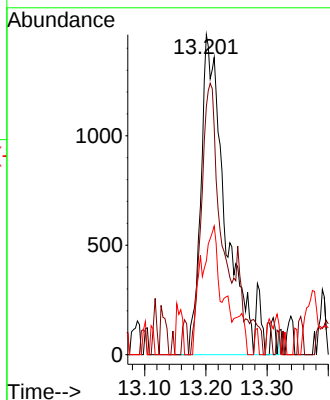
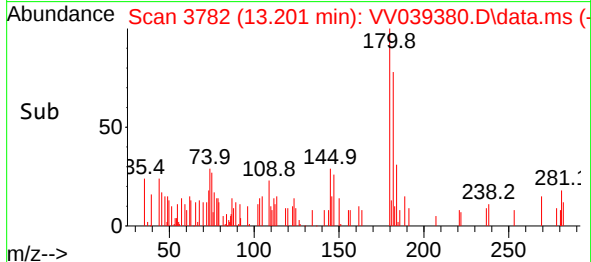
Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-03-QT4-2025



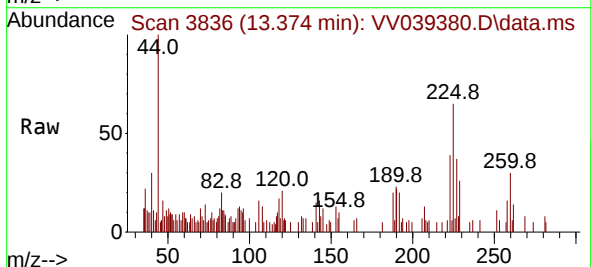
Tgt Ion:180 Resp: 4230
Ion Ratio Lower Upper
180 100
182 2.1 48.5 145.5
145 1.1 14.6 43.8

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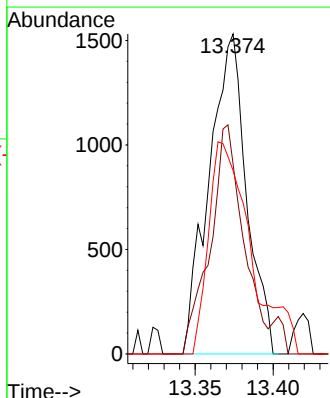
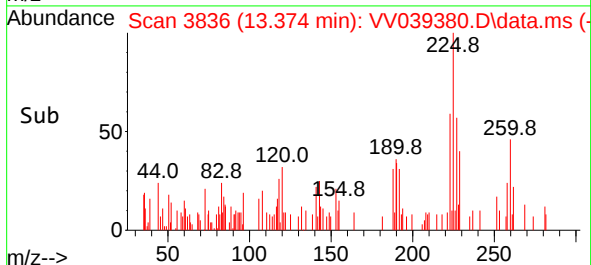
Reviewed By :John Carlone 11/14/2025
Supervised By :Mahesh Dadoda 11/14/2025

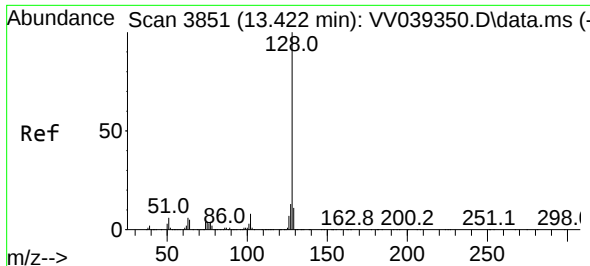


#94
Hexachlorobutadiene
Concen: 0.470 ug/l
RT: 13.374 min Scan# 3836
Delta R.T. 0.006 min
Lab File: VV039380.D
Acq: 13 Nov 2025 14:11



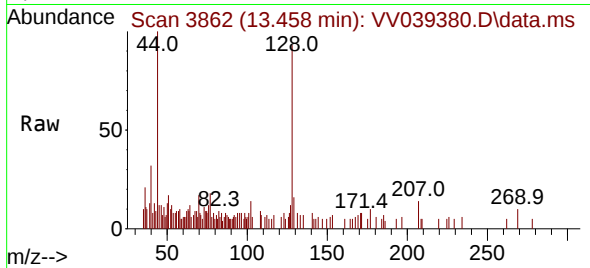
Tgt Ion:225 Resp: 2562
Ion Ratio Lower Upper
225 100
223 64.0 31.1 93.5
227 74.7 31.7 95.1





#95
Naphthalene
Concen: 0.315 ug/l m
RT: 13.458 min Scan# 3862
Delta R.T. 0.035 min
Lab File: VV039380.D
Acq: 13 Nov 2025 14:11

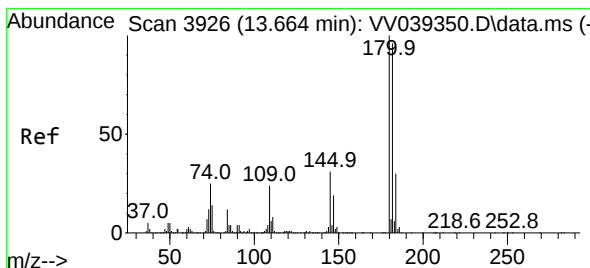
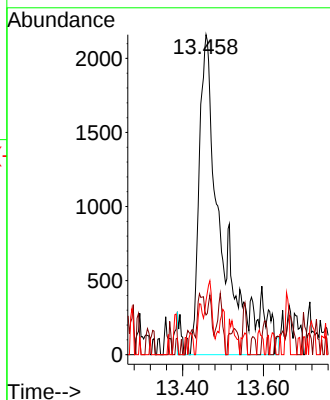
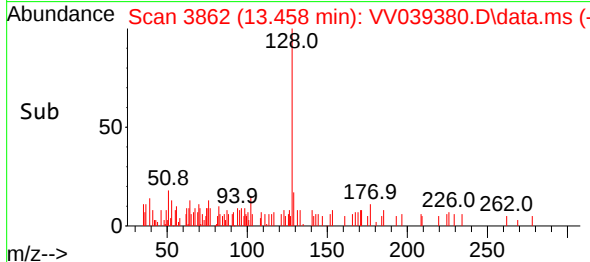
Instrument : MSVOA_V
ClientSampleId :
MDL-WATER-03-QT4-2025



Tgt Ion:128 Resp: 863
Ion Ratio Lower Upper
128 100
127 0.5 10.4 15.6
129 1.8 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: 0.291 ug/l
RT: 13.677 min Scan# 3930
Delta R.T. 0.013 min
Lab File: VV039380.D
Acq: 13 Nov 2025 14:11

Tgt Ion:180 Resp: 3072
Ion Ratio Lower Upper
180 100
182 87.5 47.9 143.6
145 35.2 15.3 45.9

