

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV111325\
 Data File : VV039382.D
 Acq On : 13 Nov 2025 14:54
 Operator : SY/MD
 Sample : Q3530-09
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 10 Sample Multiplier: 1

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

Quant Time: Nov 14 05:51:16 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V111125W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 14 05:49:16 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

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

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

Internal Standards						
1) Pentafluorobenzene	4.600	168	693438	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	5.532	114	1009190	50.000	ug/l	0.00
63) Chlorobenzene-d5	8.776	117	971735	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.172	152	547559	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.941	65	489797	57.254	ug/l	0.00
Spiked Amount 50.000	Range 81 - 118		Recovery = 114.500%			
35) Dibromofluoromethane	4.503	113	421920	54.509	ug/l	0.00
Spiked Amount 50.000	Range 80 - 119		Recovery = 109.020%			
50) Toluene-d8	7.236	98	1298185	50.753	ug/l	0.00
Spiked Amount 50.000	Range 89 - 112		Recovery = 101.500%			
62) 4-Bromofluorobenzene	10.002	95	477423	48.575	ug/l	0.00
Spiked Amount 50.000	Range 85 - 114		Recovery = 97.140%			
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.121	85	12774	3.086	ug/l	92
3) Chloromethane	1.230	50	11466	2.968	ug/l	92
4) Vinyl Chloride	1.298	62	15845	3.324	ug/l	95
5) Bromomethane	1.500	94	9100	3.207	ug/l	92
6) Chloroethane	1.558	64	11395	3.238	ug/l	94
7) Trichlorofluoromethane	1.725	101	28980	2.986	ug/l	98
8) Diethyl Ether	1.921	74	10870	2.936	ug/l	88
9) 1,1,2-Trichlorotrifluo...	2.082	101	17192	2.694	ug/l	90
10) Methyl Iodide	2.198	142	12826	3.263	ug/l	93
11) Tert butyl alcohol	2.577	59	20613	22.492	ug/l #	73
12) 1,1-Dichloroethene	2.082	96	14170	2.807	ug/l	96
13) Acrolein	2.011	56	2847	33.111	ug/l	86
14) Allyl chloride	2.365	41	28752	3.197	ug/l	91
15) Acrylonitrile	2.690	53	50855	14.297	ug/l	100
16) Acetone	2.121	43	99214	21.920	ug/l	96
17) Carbon Disulfide	2.253	76	25909	3.247	ug/l	98
18) Methyl Acetate	2.394	43	22659	1.870	ug/l #	83
19) Methyl tert-butyl Ether	2.712	73	53632	2.826	ug/l	94
20) Methylene Chloride	2.462	84	21787	3.118	ug/l	94
21) trans-1,2-Dichloroethene	2.712	96	14244	2.845	ug/l #	90
22) Diisopropyl ether	3.217	45	49316	2.524	ug/l #	1
23) Vinyl Acetate	3.211	43	182619	13.231	ug/l #	93
24) 1,1-Dichloroethane	3.121	63	36779	3.095	ug/l	98
25) 2-Butanone	3.912	43	75071	15.896	ug/l	96
26) 2,2-Dichloropropane	3.818	77	33632	3.365	ug/l	95
27) cis-1,2-Dichloroethene	3.841	96	18304	2.692	ug/l	91
28) Bromochloromethane	4.166	49	10897	2.097	ug/l #	91
29) Tetrahydrofuran	4.256	42	31546	11.933	ug/l	95
30) Chloroform	4.291	83	39143	2.983	ug/l	100
31) Cyclohexane	4.590	56	30650	4.121	ug/l #	61
32) 1,1,1-Trichloroethane	4.516	97	33958	3.094	ug/l	99
36) 1,1-Dichloropropene	4.764	75	15682	2.352	ug/l #	89
37) Ethyl Acetate	3.912	43	75071	7.330	ug/l #	73
38) Carbon Tetrachloride	4.741	117	28276	2.855	ug/l	94
39) Methylcyclohexane	6.047	83	18912	2.664	ug/l #	86
40) Benzene	5.024	78	67953	2.915	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.211	41	3709	1.014	ug/l #	62
42) 1,2-Dichloroethane	5.063	62	26448	2.911	ug/l	88
43) Isopropyl Acetate	5.224	43	32441	2.378	ug/l #	87
44) Trichloroethene	5.844	130	18046	2.853	ug/l	92
45) 1,2-Dichloropropane	6.105	63	17554	2.783	ug/l	96
46) Dibromomethane	6.246	93	14086	2.777	ug/l	92
47) Bromodichloromethane	6.436	83	31855	2.900	ug/l	95
48) Methyl methacrylate	6.336	41	9714	1.529	ug/l #	74
49) 1,4-Dioxane	6.323	88	6301m	64.378	ug/l	
51) 4-Methyl-2-Pentanone	7.153	43	119080	12.768	ug/l	98
52) Toluene	7.320	92	42179	2.887	ug/l	100
53) t-1,3-Dichloropropene	7.593	75	26009	2.752	ug/l	99
54) cis-1,3-Dichloropropene	6.966	75	25682	2.559	ug/l	98
55) 1,1,2-Trichloroethane	7.770	97	22189	3.000	ug/l	92
56) Ethyl methacrylate	7.731	69	20344	2.278	ug/l	94
57) 1,3-Dichloropropane	7.944	76	31729	2.789	ug/l	91
58) 2-Chloroethyl Vinyl ether	6.831	63	29774	11.723	ug/l	95
59) 2-Hexanone	8.076	43	90976	13.648	ug/l	89
60) Dibromochloromethane	8.172	129	27413	2.892	ug/l	95
61) 1,2-Dibromoethane	8.285	107	20535	2.848	ug/l	95
64) Tetrachloroethene	7.902	164	17050	2.839	ug/l	97
65) Chlorobenzene	8.809	112	54864	2.836	ug/l	100
66) 1,1,1,2-Tetrachloroethane	8.902	131	23352	2.893	ug/l	92
67) Ethyl Benzene	8.944	91	72467	2.590	ug/l	100
68) m/p-Xylenes	9.069	106	49249	4.661	ug/l	97
69) o-Xylene	9.474	106	23783	2.379	ug/l	97
70) Styrene	9.500	104	38501	2.154	ug/l	96
71) Bromoform	9.661	173	22753	3.037	ug/l #	98
73) Isopropylbenzene	9.860	105	68370	2.557	ug/l	99
74) N-amyl acetate	9.735	43	27167	2.593	ug/l #	89
75) 1,1,2,2-Tetrachloroethane	10.172	83	35862	3.080	ug/l	99
76) 1,2,3-Trichloropropane	10.204	75	26610	3.131	ug/l	98
77) Bromobenzene	10.149	156	24805	3.006	ug/l	98
78) n-propylbenzene	10.281	91	83270	2.719	ug/l	100
79) 2-Chlorotoluene	10.352	91	53977	2.753	ug/l	99
80) 1,3,5-Trimethylbenzene	10.468	105	53430	2.444	ug/l	96
81) trans-1,4-Dichloro-2-b...	9.937	75	8397	2.648	ug/l	89
82) 4-Chlorotoluene	10.471	91	58061	2.649	ug/l	97
83) tert-Butylbenzene	10.789	119	64715	2.693	ug/l	99
84) 1,2,4-Trimethylbenzene	10.844	105	50768	2.384	ug/l	99
85) sec-Butylbenzene	11.014	105	72799	2.555	ug/l	99
86) p-Isopropyltoluene	11.169	119	61366	2.496	ug/l	95
87) 1,3-Dichlorobenzene	11.114	146	43109	2.723	ug/l	97
88) 1,4-Dichlorobenzene	11.198	146	50792	2.943	ug/l	90
89) n-Butylbenzene	11.587	91	55086	2.513	ug/l	98
90) Hexachloroethane	11.818	117	17992	2.936	ug/l	97
91) 1,2-Dichlorobenzene	11.574	146	41671	2.690	ug/l	94
92) 1,2-Dibromo-3-Chloropr...	12.365	75	7497	3.131	ug/l	83
93) 1,2,4-Trichlorobenzene	13.194	180	26308	2.677	ug/l	94
94) Hexachlorobutadiene	13.368	225	16892	3.222	ug/l	97
95) Naphthalene	13.432	128	61336	2.329	ug/l	99
96) 1,2,3-Trichlorobenzene	13.670	180	26078	2.572	ug/l	97

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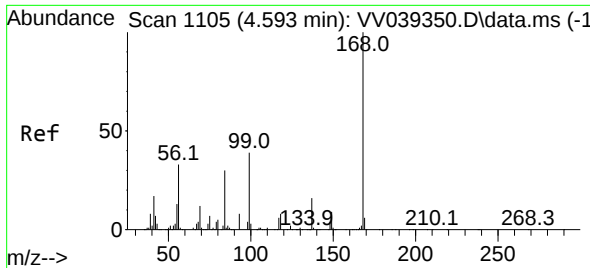
Manual Integrations
APPROVED

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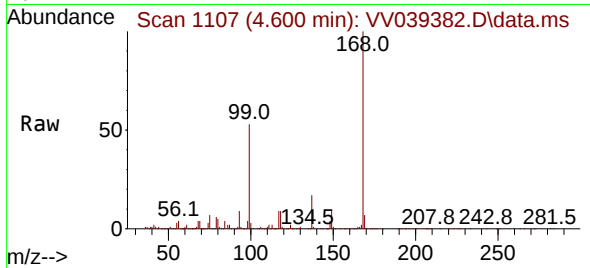
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 4.600 min Scan# 1105
Delta R.T. 0.007 min
Lab File: VV039382.D
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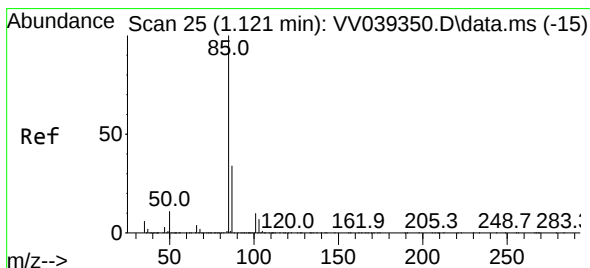
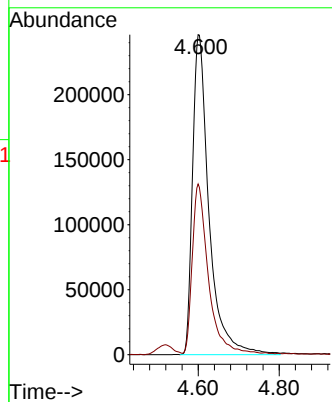
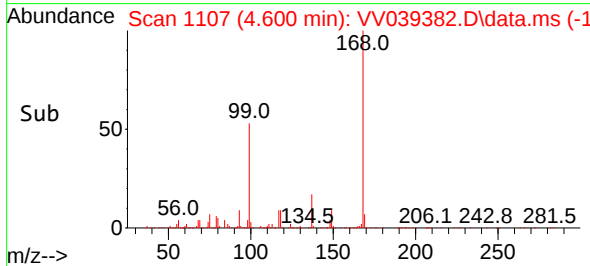
Instrument : MSVOA_V
ClientSampleId : MDL-WATER-03-QT4-2025



Tgt Ion:168 Resp: 693438
Ion Ratio Lower Upper
168 100
99 53.0 41.2 61.8

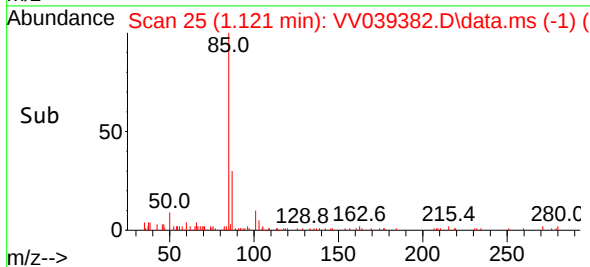
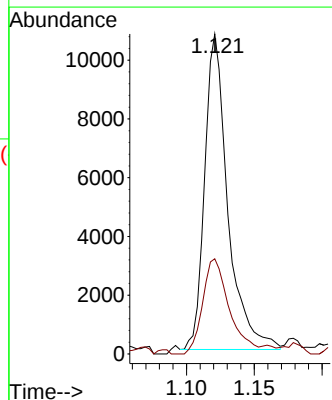
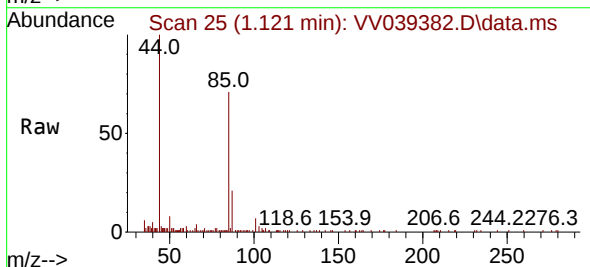
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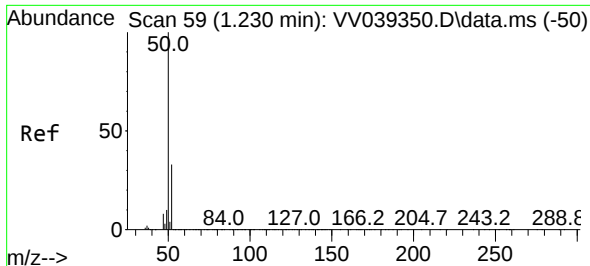
Reviewed By :John Carlone 11/14/2025
Supervised By :Mahesh Dadoda 11/14/2025



#2
Dichlorodifluoromethane
Concen: 3.086 ug/l
RT: 1.121 min Scan# 25
Delta R.T. -0.000 min
Lab File: VV039382.D
Acq: 13 Nov 2025 14:54

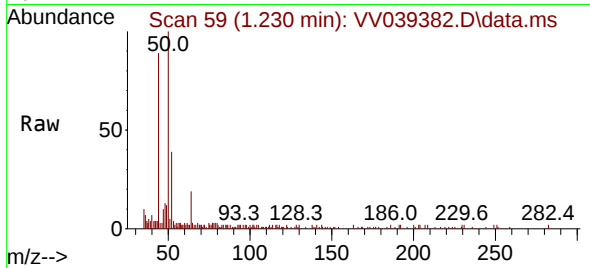
Tgt Ion: 85 Resp: 12774
Ion Ratio Lower Upper
85 100
87 29.2 16.9 50.7





#3
Chloromethane
Concen: 2.968 ug/l
RT: 1.230 min Scan# 59
Delta R.T. 0.000 min
Lab File: VV039382.D
Acq: 13 Nov 2025 14:54

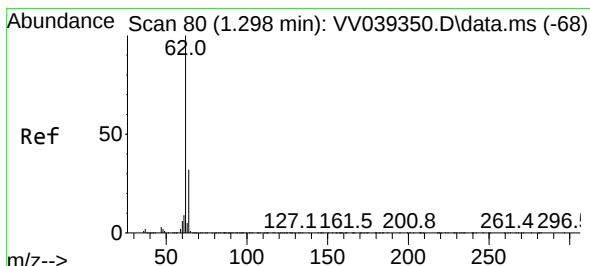
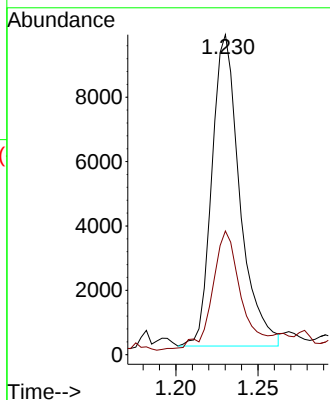
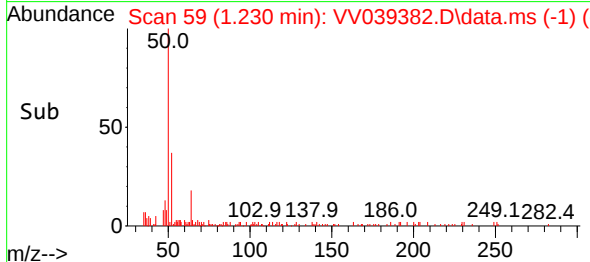
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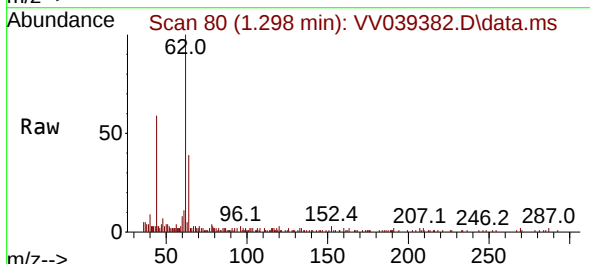
Tgt Ion: 50 Resp: 11460
Ion Ratio Lower Upper
50 100
52 37.6 26.6 39.8

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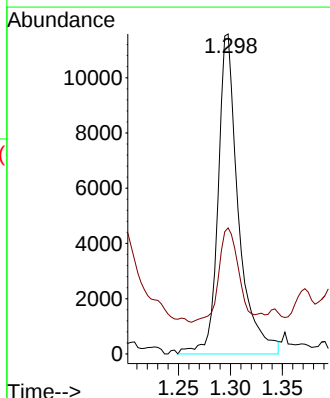
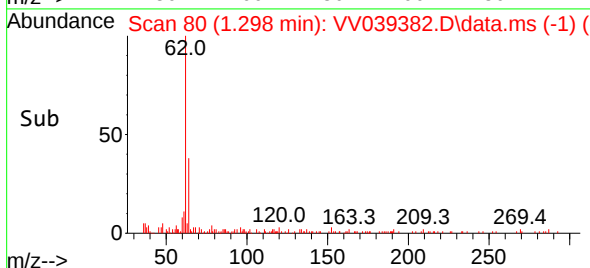
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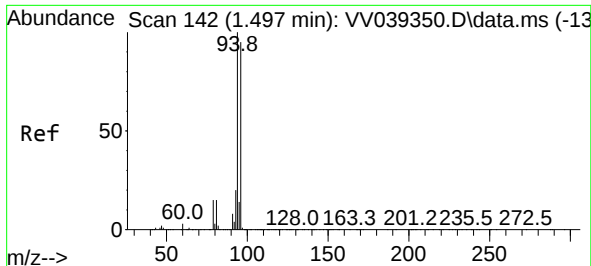


#4
Vinyl Chloride
Concen: 3.324 ug/l
RT: 1.298 min Scan# 80
Delta R.T. -0.000 min
Lab File: VV039382.D
Acq: 13 Nov 2025 14:54



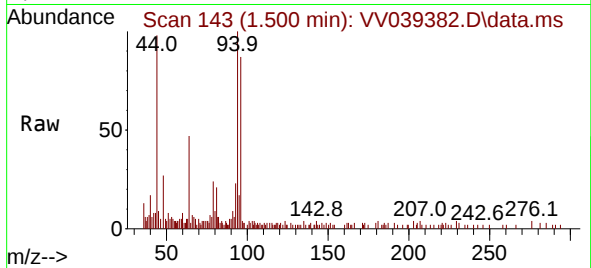
Tgt Ion: 62 Resp: 15845
Ion Ratio Lower Upper
62 100
64 28.6 25.3 37.9





#5
Bromomethane
Concen: 3.207 ug/l
RT: 1.500 min Scan# 142
Delta R.T. 0.003 min
Lab File: VV039382.D
Acq: 13 Nov 2025 14:54

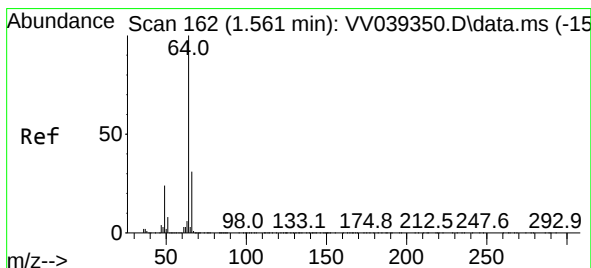
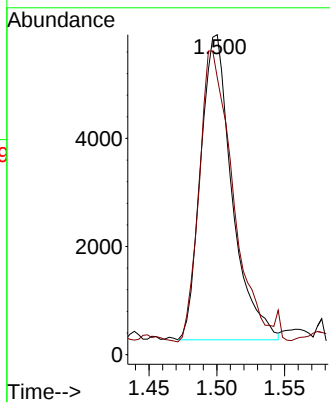
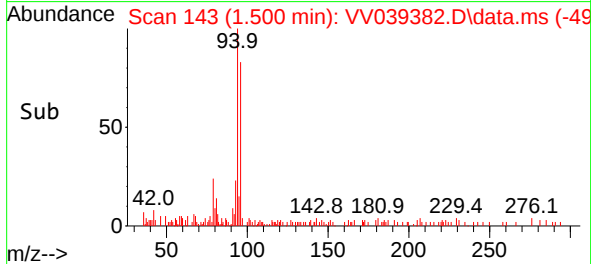
Instrument :
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Tgt Ion: 94 Resp: 9100
Ion Ratio Lower Upper
94 100
96 86.7 75.6 113.4

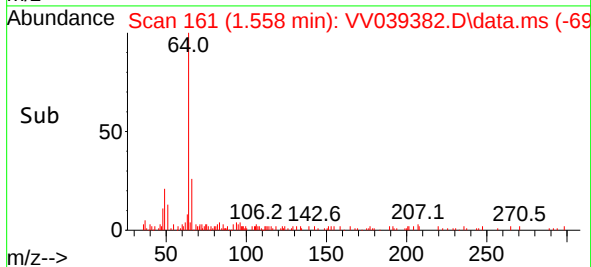
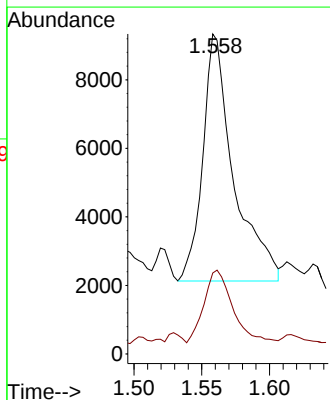
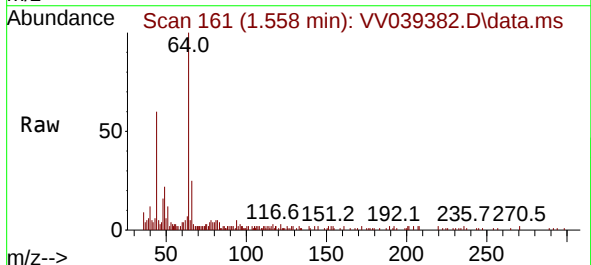
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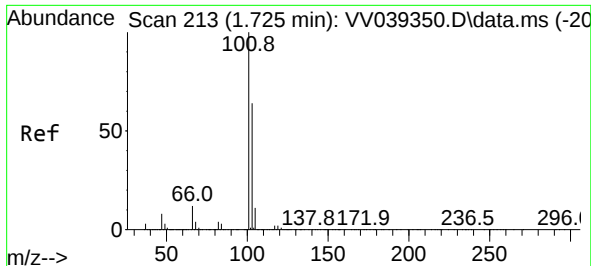
Reviewed By :John Carlone 11/14/2025
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#6
Chloroethane
Concen: 3.238 ug/l
RT: 1.558 min Scan# 161
Delta R.T. -0.003 min
Lab File: VV039382.D
Acq: 13 Nov 2025 14:54

Tgt Ion: 64 Resp: 11395
Ion Ratio Lower Upper
64 100
66 27.4 24.7 37.1





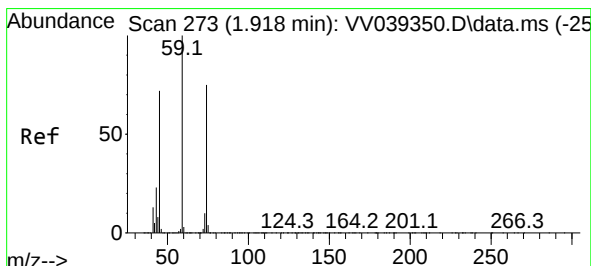
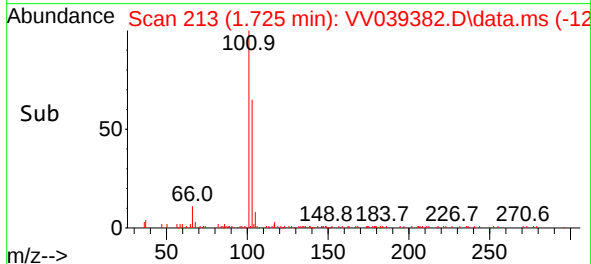
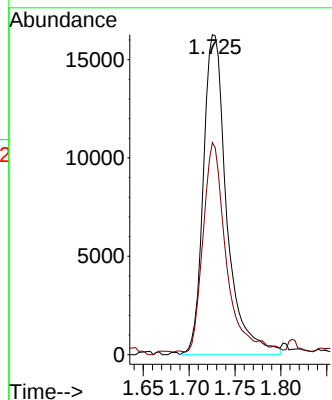
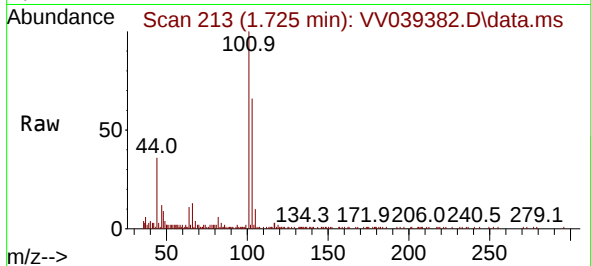
#7
Trichlorofluoromethane
Concen: 2.986 ug/l
RT: 1.725 min Scan# 213
Delta R.T. 0.000 min
Lab File: VV039382.D
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ClientSampleId : MDL-WATER-03-QT4-2025

Tgt Ion:101 Resp: 28980
Ion Ratio Lower Upper
101 100
103 65.2 50.9 76.3

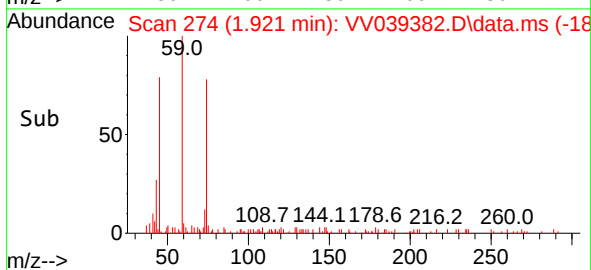
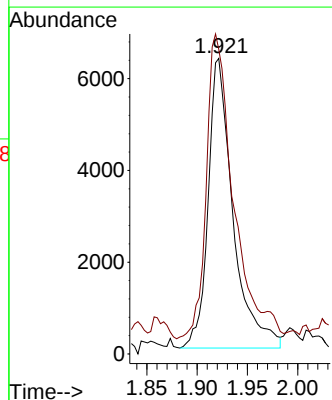
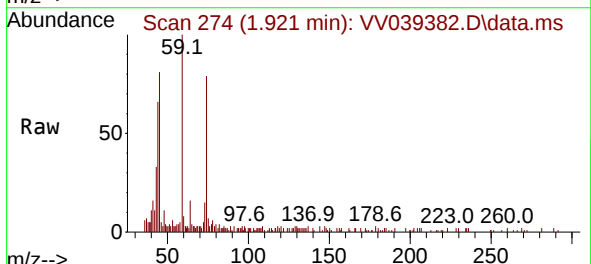
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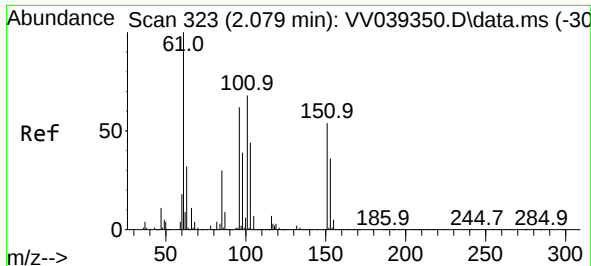
Reviewed By :John Carlone 11/14/2025
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#8
Diethyl Ether
Concen: 2.936 ug/l
RT: 1.921 min Scan# 274
Delta R.T. 0.003 min
Lab File: VV039382.D
Acq: 13 Nov 2025 14:54

Tgt Ion: 74 Resp: 10870
Ion Ratio Lower Upper
74 100
45 113.1 50.6 151.8





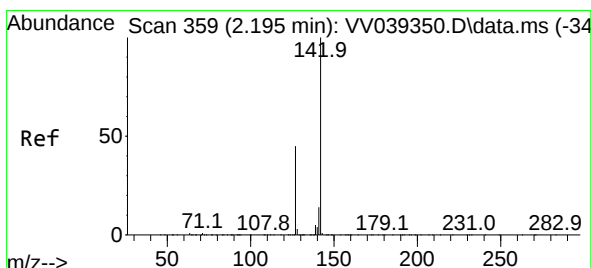
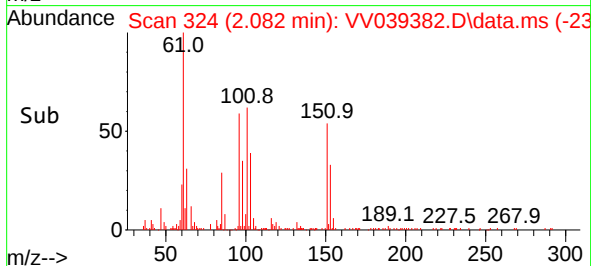
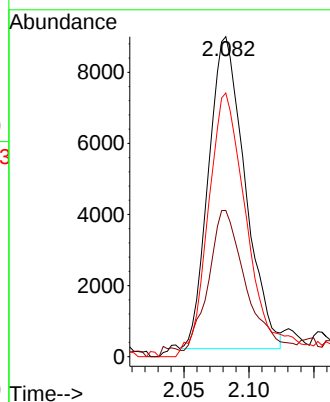
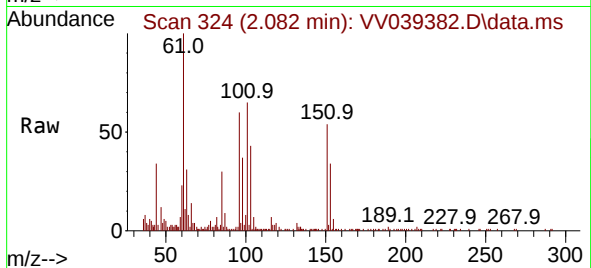
#9
1,1,2-Trichlorotrifluoroethane
Concen: 2.694 ug/l
RT: 2.082 min Scan# 31
Delta R.T. 0.003 min
Lab File: VV039382.D
Acq: 13 Nov 2025 14:54

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

Tgt Ion:101 Resp: 1719
Ion Ratio Lower Upper
101 100
85 47.0 33.5 50.3
151 89.6 63.6 95.4

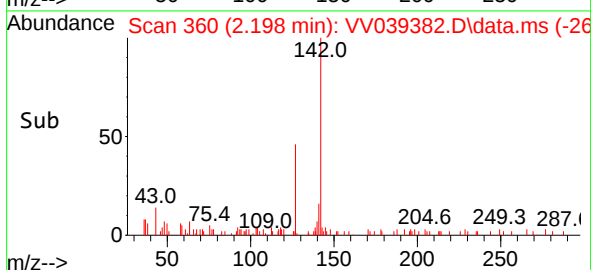
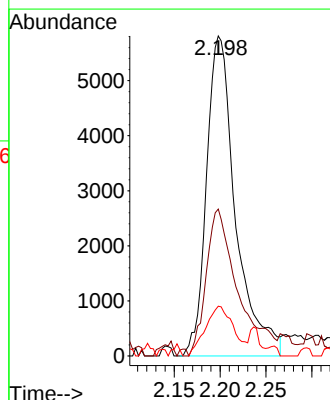
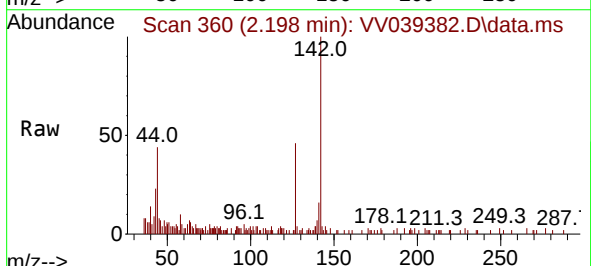
Manual Integrations
APPROVED

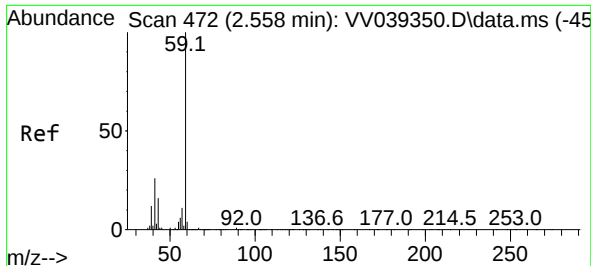
Reviewed By :John Carlone 11/14/2025
Supervised By :Mahesh Dadoda 11/14/2025



#10
Methyl Iodide
Concen: 3.263 ug/l
RT: 2.198 min Scan# 360
Delta R.T. 0.003 min
Lab File: VV039382.D
Acq: 13 Nov 2025 14:54

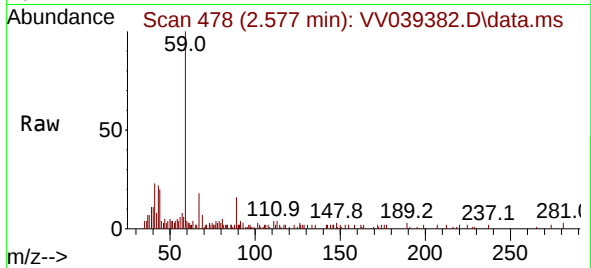
Tgt Ion:142 Resp: 12826
Ion Ratio Lower Upper
142 100
127 50.0 35.1 52.7
141 14.9 11.9 17.9





#11
Tert butyl alcohol
Concen: 22.492 ug/l
RT: 2.577 min Scan# 472
Delta R.T. 0.019 min
Lab File: VV039382.D
Acq: 13 Nov 2025 14:54

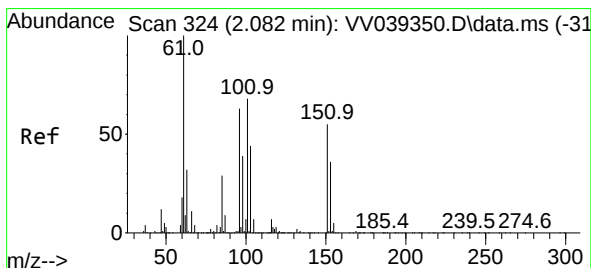
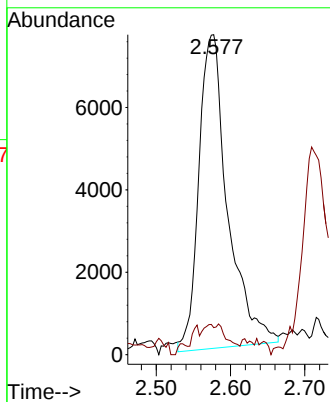
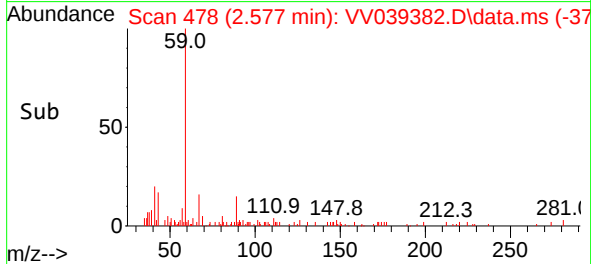
Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-03-QT4-2025



Tgt Ion: 59 Resp: 2061
Ion Ratio Lower Upper
59 100
57 0.0 8.0 12.0

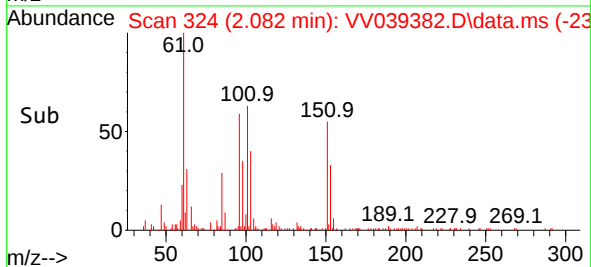
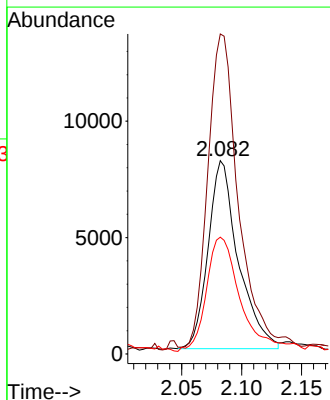
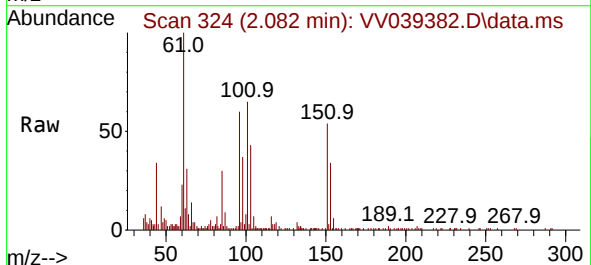
Manual Integrations
APPROVED

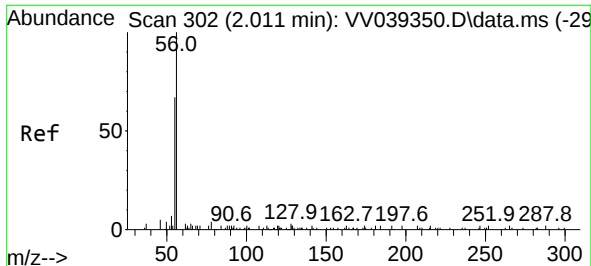
Reviewed By :John Carlone 11/14/2025
Supervised By :Mahesh Dadoda 11/14/2025



#12
1,1-Dichloroethene
Concen: 2.807 ug/l
RT: 2.082 min Scan# 324
Delta R.T. 0.000 min
Lab File: VV039382.D
Acq: 13 Nov 2025 14:54

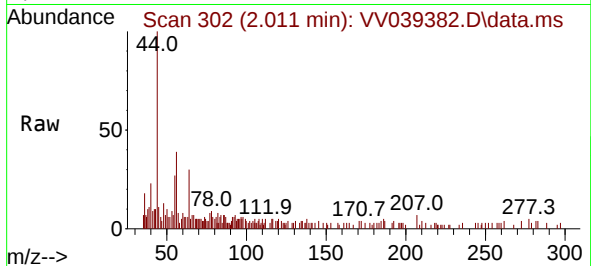
Tgt Ion: 96 Resp: 14170
Ion Ratio Lower Upper
96 100
61 166.6 127.8 191.6
98 60.8 50.2 75.2





#13
Acrolein
Concen: 33.111 ug/l
RT: 2.011 min Scan# 302
Delta R.T. 0.000 min
Lab File: VV039382.D
Acq: 13 Nov 2025 14:54

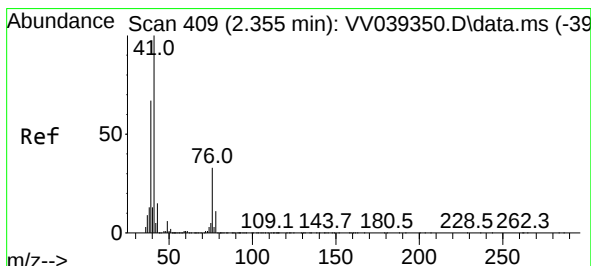
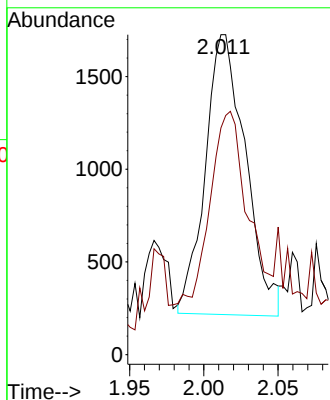
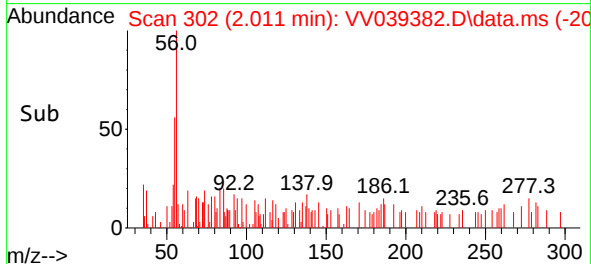
Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-03-QT4-2025



Tgt Ion: 56 Resp: 284
Ion Ratio Lower Upper
56 100
55 57.5 55.2 82.8

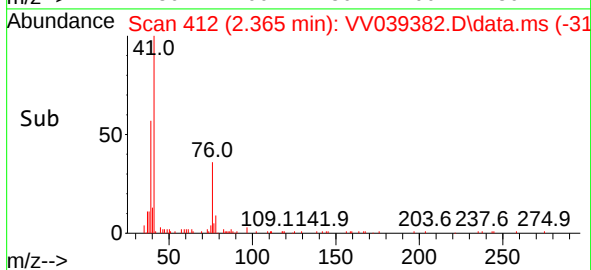
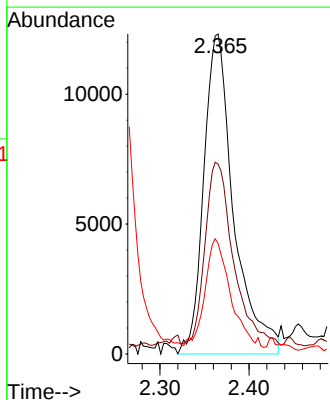
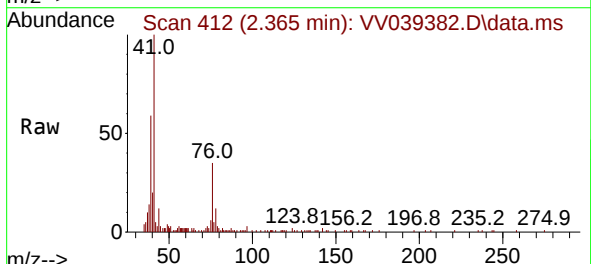
Manual Integrations
APPROVED

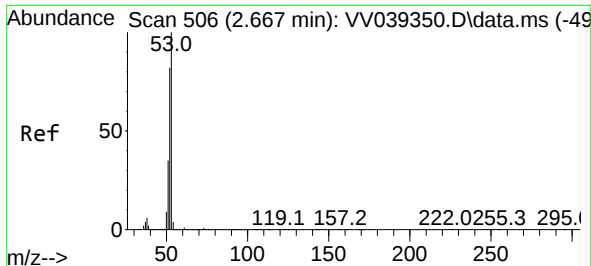
Reviewed By :John Carlone 11/14/2025
Supervised By :Mahesh Dadoda 11/14/2025



#14
Allyl chloride
Concen: 3.197 ug/l
RT: 2.365 min Scan# 412
Delta R.T. 0.010 min
Lab File: VV039382.D
Acq: 13 Nov 2025 14:54

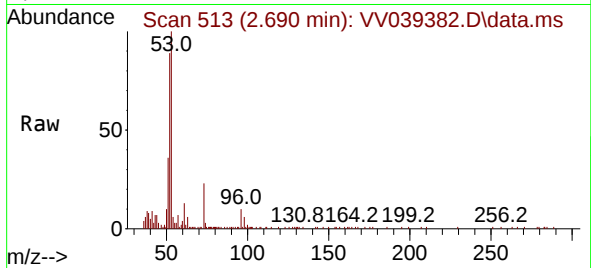
Tgt Ion: 41 Resp: 28752
Ion Ratio Lower Upper
41 100
39 55.4 50.7 76.1
76 29.4 27.0 40.6





#15
Acrylonitrile
Concen: 14.297 ug/l
RT: 2.690 min Scan# 513
Delta R.T. 0.023 min
Lab File: VV039382.D
Acq: 13 Nov 2025 14:54

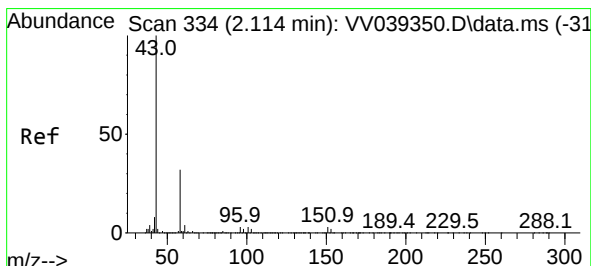
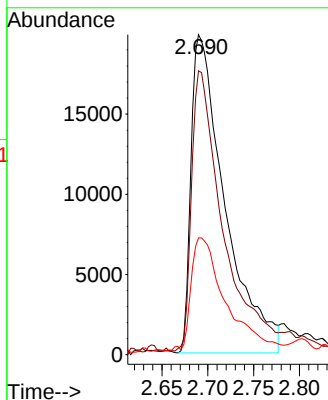
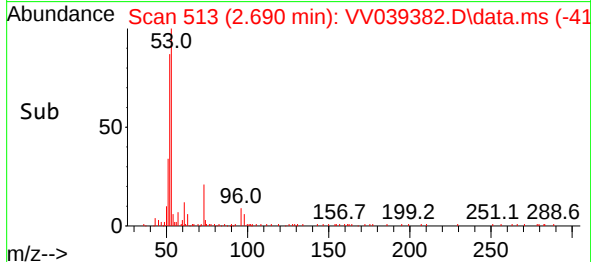
Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-03-QT4-2025



Tgt Ion: 53 Resp: 5085
Ion Ratio Lower Upper
53 100
52 81.3 65.2 97.8
51 35.8 28.4 42.6

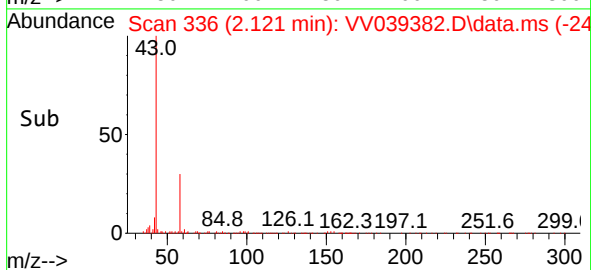
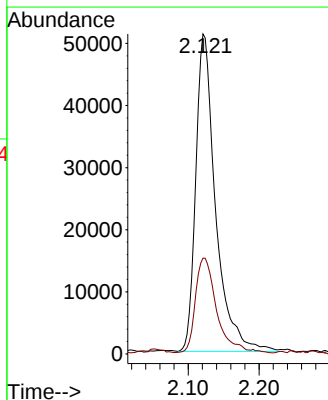
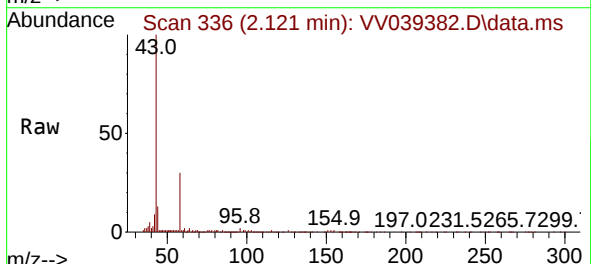
Manual Integrations
APPROVED

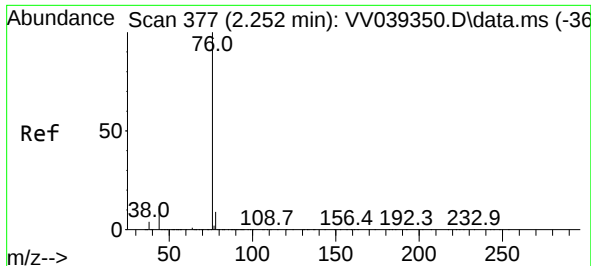
Reviewed By :John Carlone 11/14/2025
Supervised By :Mahesh Dadoda 11/14/2025



#16
Acetone
Concen: 21.920 ug/l
RT: 2.121 min Scan# 336
Delta R.T. 0.007 min
Lab File: VV039382.D
Acq: 13 Nov 2025 14:54

Tgt Ion: 43 Resp: 99214
Ion Ratio Lower Upper
43 100
58 29.7 25.5 38.3





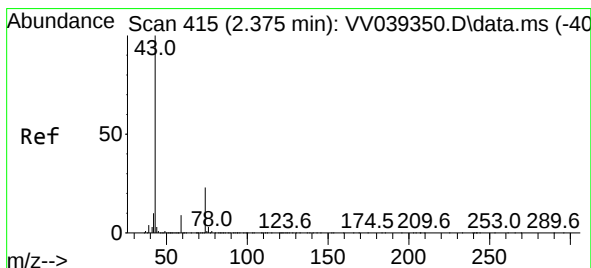
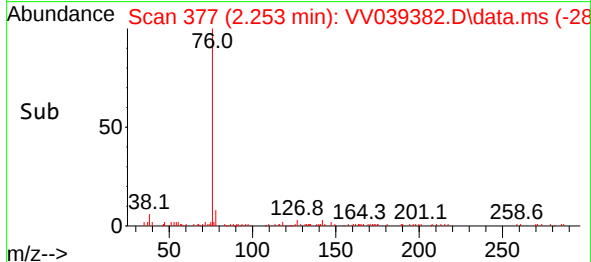
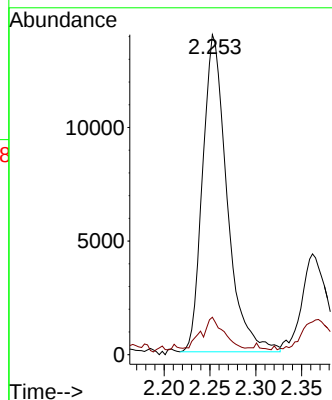
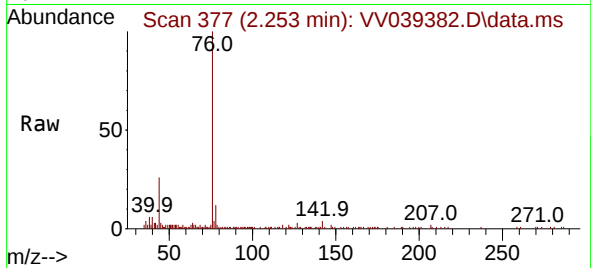
#17
Carbon Disulfide
Concen: 3.247 ug/l
RT: 2.253 min Scan# 31
Delta R.T. 0.001 min
Lab File: VV039382.D
Acq: 13 Nov 2025 14:54

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

Tgt Ion: 76 Resp: 25909
Ion Ratio Lower Upper
76 100
78 9.8 7.4 11.0

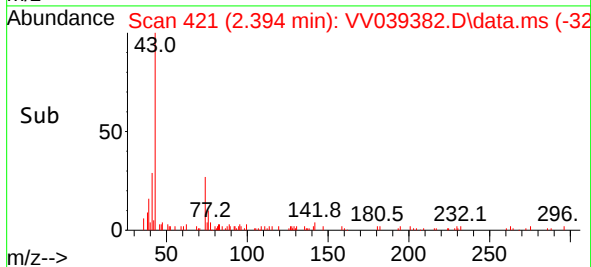
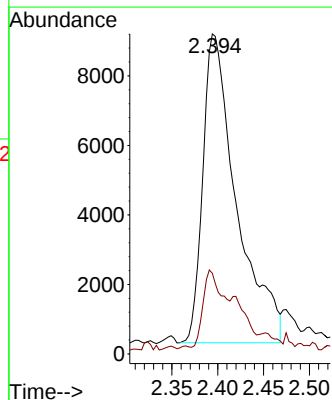
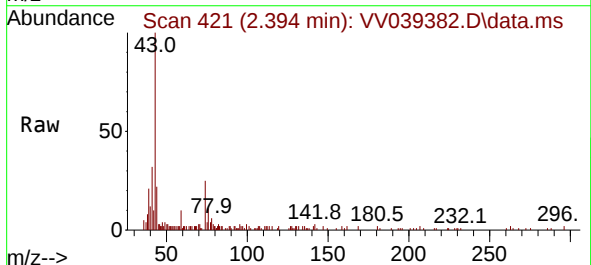
Manual Integrations
APPROVED

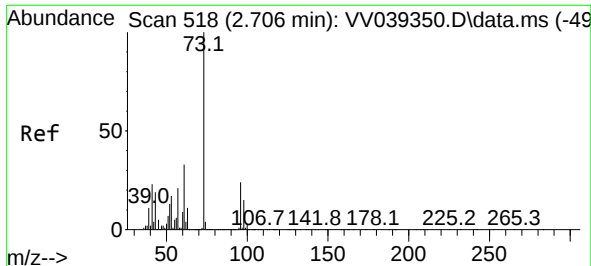
Reviewed By :John Carlone 11/14/2025
Supervised By :Mahesh Dadoda 11/14/2025



#18
Methyl Acetate
Concen: 1.870 ug/l
RT: 2.394 min Scan# 421
Delta R.T. 0.019 min
Lab File: VV039382.D
Acq: 13 Nov 2025 14:54

Tgt Ion: 43 Resp: 22659
Ion Ratio Lower Upper
43 100
74 15.2 18.9 28.3#





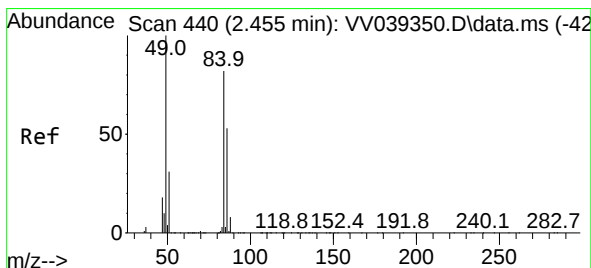
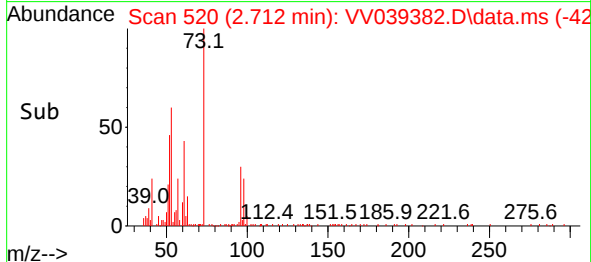
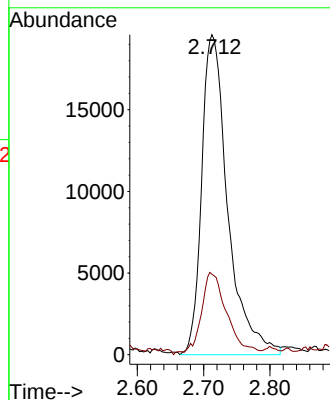
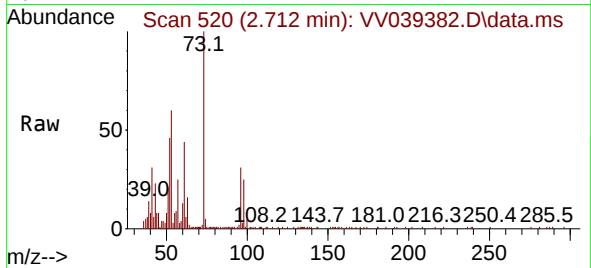
#19
Methyl tert-butyl Ether
Concen: 2.826 ug/l
RT: 2.712 min Scan# 518
Delta R.T. 0.006 min
Lab File: VV039382.D
Acq: 13 Nov 2025 14:54

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

Tgt Ion: 73 Resp: 5363
Ion Ratio Lower Upper
73 100
57 24.2 17.0 25.6

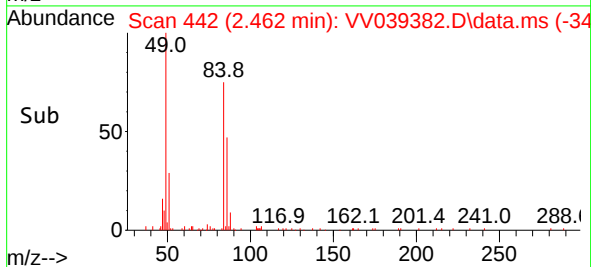
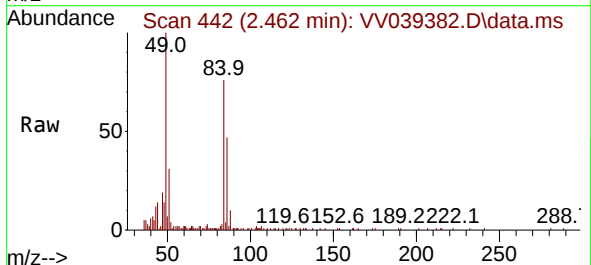
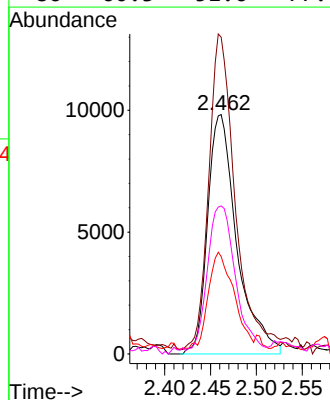
Manual Integrations
APPROVED

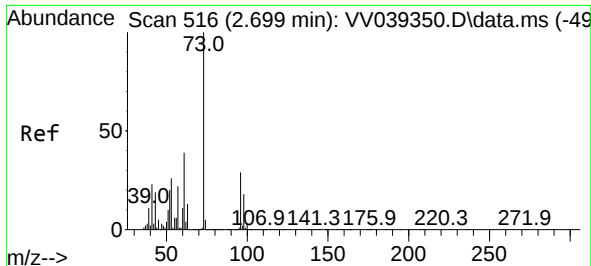
Reviewed By :John Carlone 11/14/2025
Supervised By :Mahesh Dadoda 11/14/2025



#20
Methylene Chloride
Concen: 3.118 ug/l
RT: 2.462 min Scan# 442
Delta R.T. 0.007 min
Lab File: VV039382.D
Acq: 13 Nov 2025 14:54

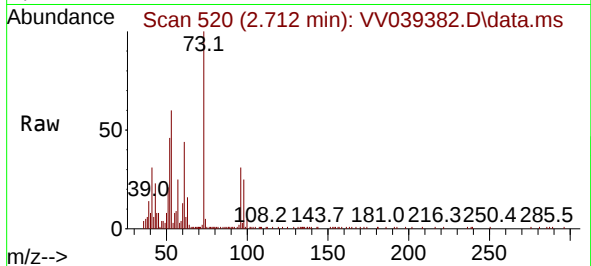
Tgt Ion: 84 Resp: 21787
Ion Ratio Lower Upper
84 100
49 130.6 97.8 146.8
51 38.7 30.2 45.4
86 60.3 51.6 77.4





#21
trans-1,2-Dichloroethene
Concen: 2.845 ug/l
RT: 2.712 min Scan# 516
Delta R.T. 0.013 min
Lab File: VV039382.D
Acq: 13 Nov 2025 14:54

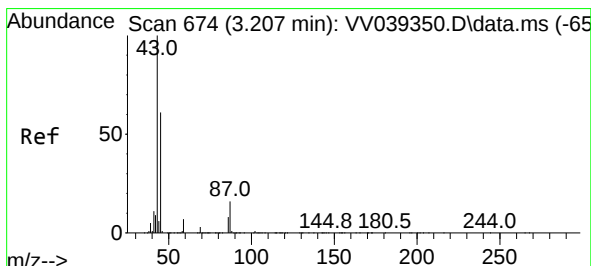
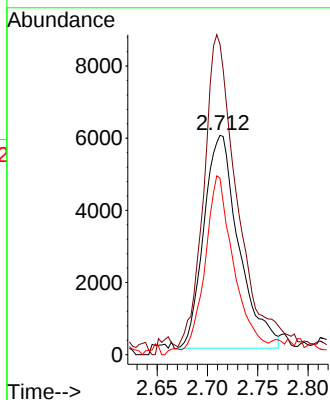
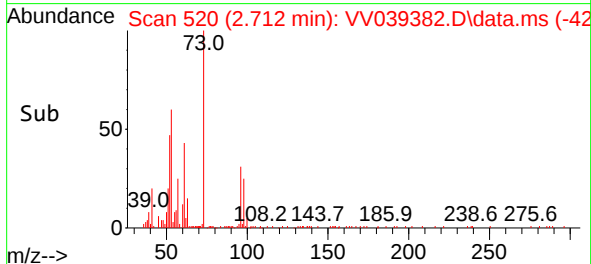
Instrument : MSVOA_V
ClientSampleId : MDL-WATER-03-QT4-2025



Tgt Ion: 96 Resp: 14244
Ion Ratio Lower Upper
96 100
61 142.1 108.9 163.3
98 80.3 51.7 77.5

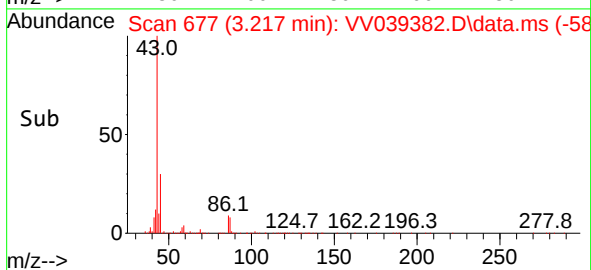
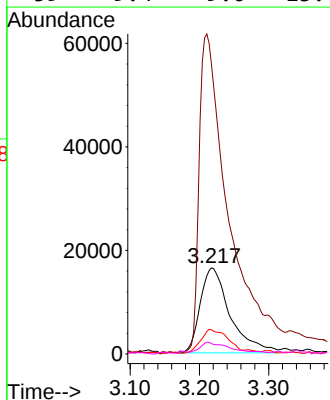
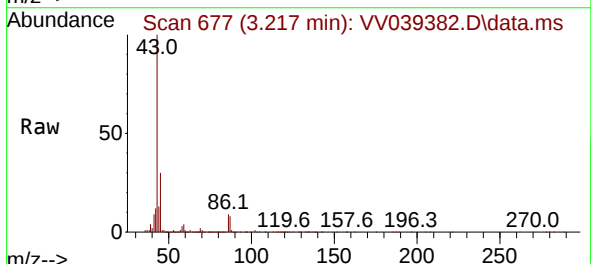
Manual Integrations
APPROVED

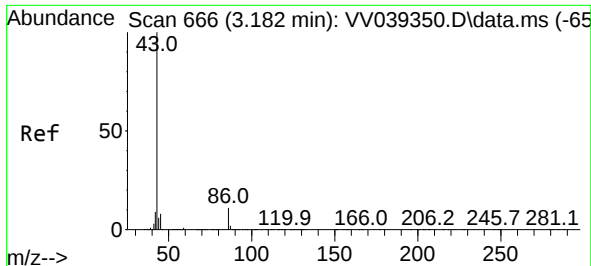
Reviewed By :John Carlone 11/14/2025
Supervised By :Mahesh Dadoda 11/14/2025



#22
Diisopropyl ether
Concen: 2.524 ug/l
RT: 3.217 min Scan# 677
Delta R.T. 0.010 min
Lab File: VV039382.D
Acq: 13 Nov 2025 14:54

Tgt Ion: 45 Resp: 49316
Ion Ratio Lower Upper
45 100
43 340.4 132.1 198.1#
87 27.5 21.8 32.6
59 9.4 9.0 13.4





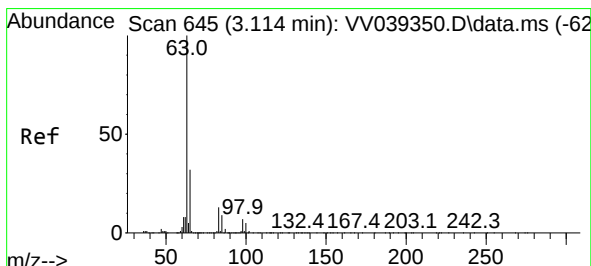
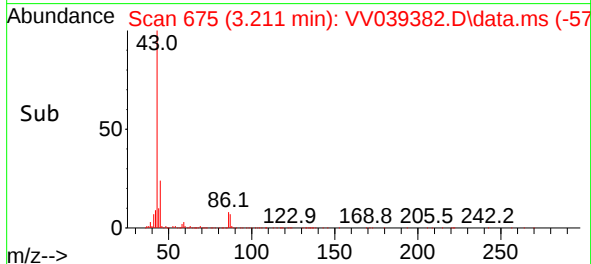
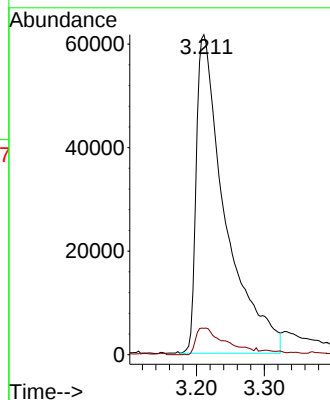
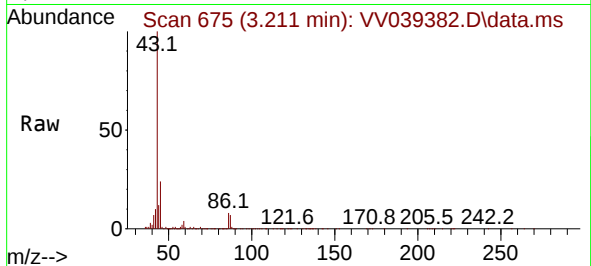
#23
 Vinyl Acetate
 Concen: 13.231 ug/l
 RT: 3.211 min Scan# 61
 Delta R.T. 0.029 min
 Lab File: VV039382.D
 Acq: 13 Nov 2025 14:54

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

Tgt Ion: 43 Resp: 182619
 Ion Ratio Lower Upper
 43 100
 86 8.0 8.6 12.8

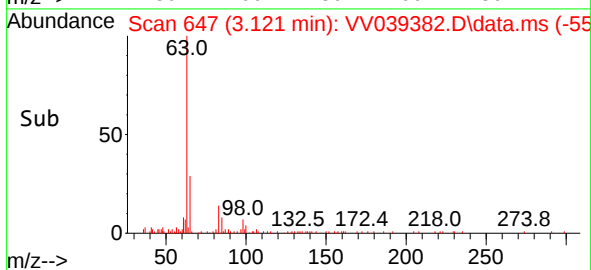
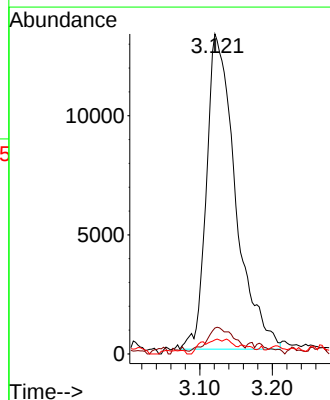
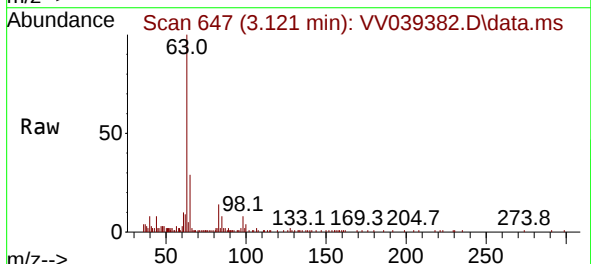
Manual Integrations
 APPROVED

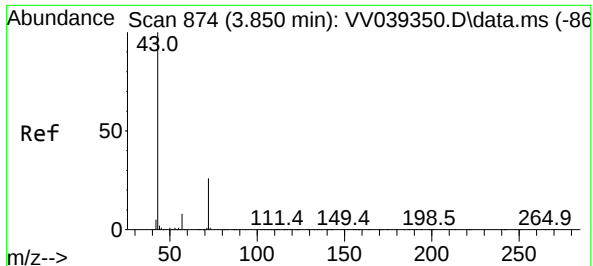
Reviewed By :John Carlone 11/14/2025
 Supervised By :Mahesh Dadoda 11/14/2025



#24
 1,1-Dichloroethane
 Concen: 3.095 ug/l
 RT: 3.121 min Scan# 647
 Delta R.T. 0.007 min
 Lab File: VV039382.D
 Acq: 13 Nov 2025 14:54

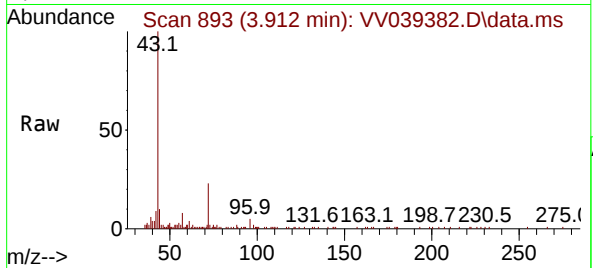
Tgt Ion: 63 Resp: 36779
 Ion Ratio Lower Upper
 63 100
 98 7.1 3.5 10.5
 100 3.4 2.3 6.9





#25
2-Butanone
Concen: 15.896 ug/l
RT: 3.912 min Scan# 893
Delta R.T. 0.062 min
Lab File: VV039382.D
Acq: 13 Nov 2025 14:54

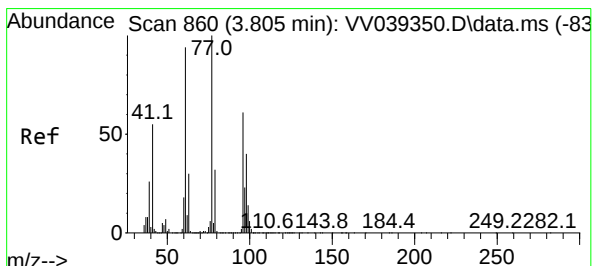
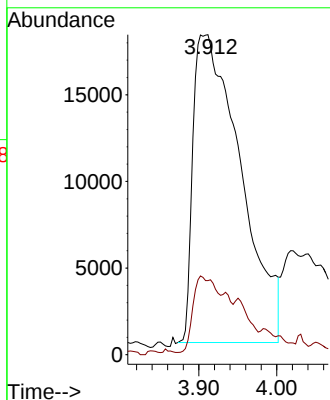
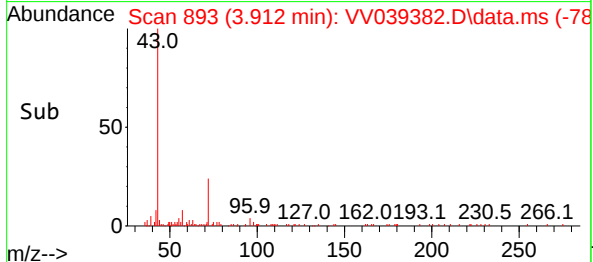
Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-03-QT4-2025



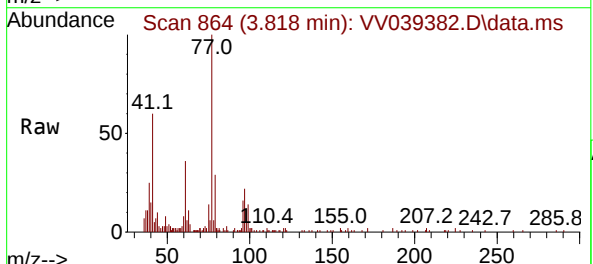
Tgt Ion: 43 Resp: 7507
Ion Ratio Lower Upper
43 100
72 23.3 20.5 30.7

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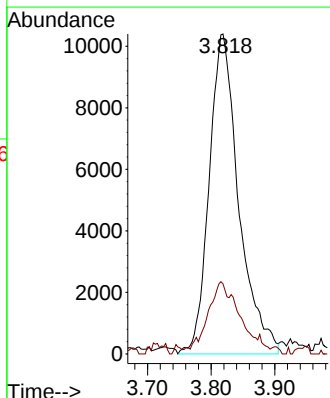
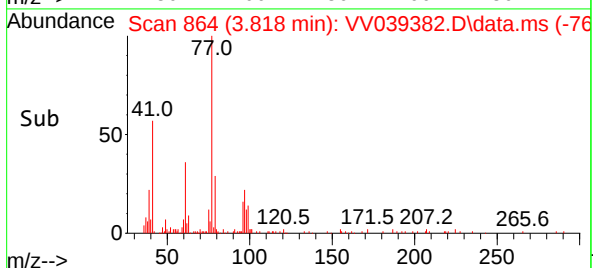
Reviewed By :John Carlone 11/14/2025
Supervised By :Mahesh Dadoda 11/14/2025

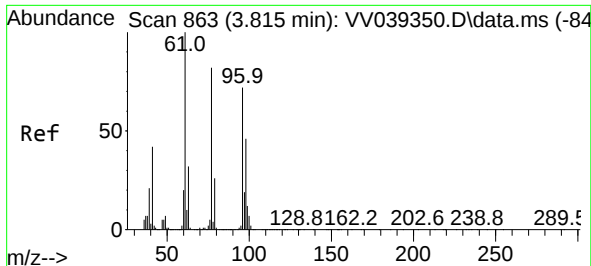


#26
2,2-Dichloropropane
Concen: 3.365 ug/l
RT: 3.818 min Scan# 864
Delta R.T. 0.013 min
Lab File: VV039382.D
Acq: 13 Nov 2025 14:54



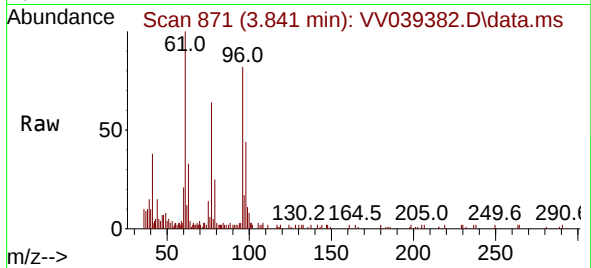
Tgt Ion: 77 Resp: 33632
Ion Ratio Lower Upper
77 100
97 25.0 11.3 33.8





#27
 cis-1,2-Dichloroethene
 Concen: 2.692 ug/l
 RT: 3.841 min Scan# 81
 Delta R.T. 0.026 min
 Lab File: VV039382.D
 Acq: 13 Nov 2025 14:54

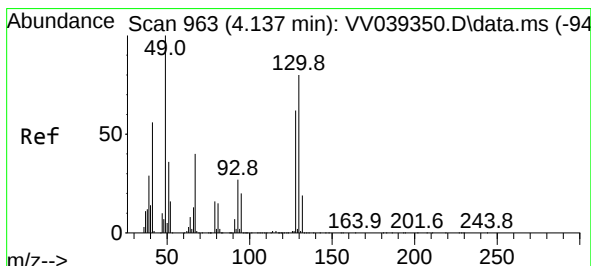
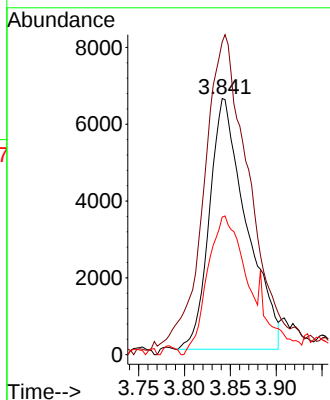
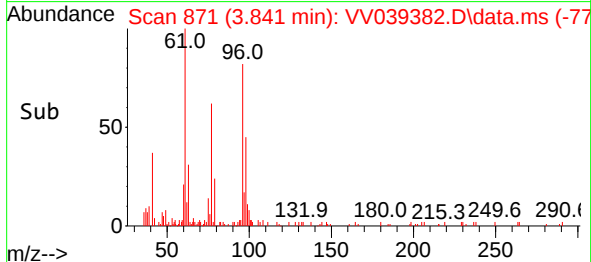
Instrument :
 MSVOA_V
 ClientSampleId :
 MDL-WATER-03-QT4-2025



Tgt Ion: 96 Resp: 18304
 Ion Ratio Lower Upper
 96 100
 61 153.0 0.0 287.8
 98 55.2 0.0 129.6

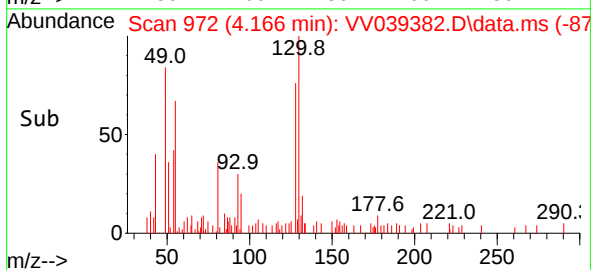
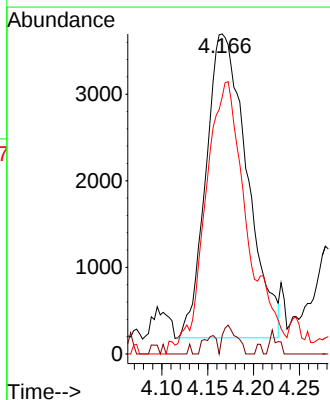
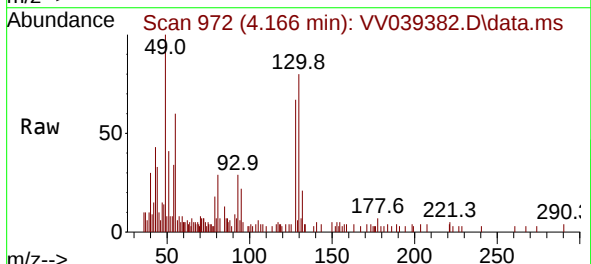
Manual Integrations
 APPROVED

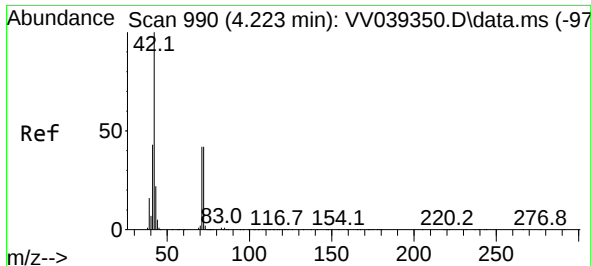
Reviewed By :John Carlone 11/14/2025
 Supervised By :Mahesh Dadoda 11/14/2025



#28
 Bromochloromethane
 Concen: 2.097 ug/l
 RT: 4.166 min Scan# 972
 Delta R.T. 0.029 min
 Lab File: VV039382.D
 Acq: 13 Nov 2025 14:54

Tgt Ion: 49 Resp: 10897
 Ion Ratio Lower Upper
 49 100
 129 3.2 0.0 2.0#
 130 76.2 67.9 101.9





#29

Tetrahydrofuran

Concen: 11.933 ug/l

RT: 4.256 min Scan# 1000

Delta R.T. 0.033 min

Lab File: VV039382.D

Acq: 13 Nov 2025 14:54

Instrument :

MSVOA_V

ClientSampleId :

MDL-WATER-03-QT4-2025

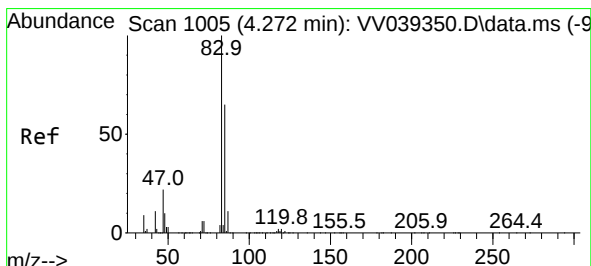
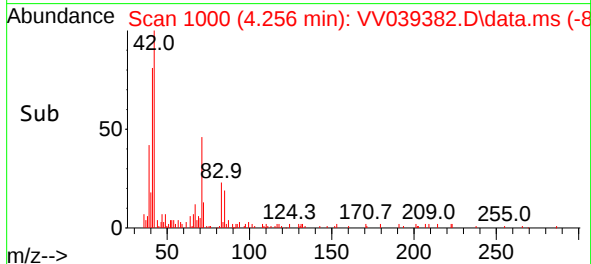
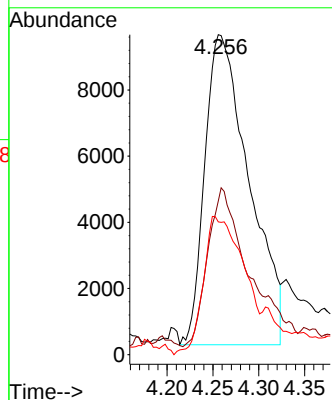
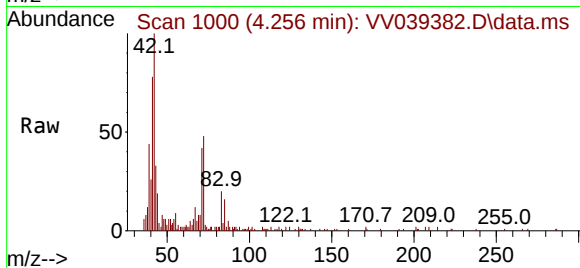
Tgt Ion: 42	Resp: 31540
Ion Ratio	Lower Upper
42	100
72	48.5 35.3 52.9
71	40.4 34.0 51.0

Manual Integrations

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Reviewed By :John Carlone 11/14/2025

Supervised By :Mahesh Dadoda 11/14/2025



#30

Chloroform

Concen: 2.983 ug/l

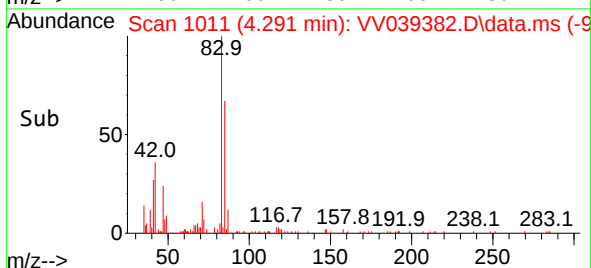
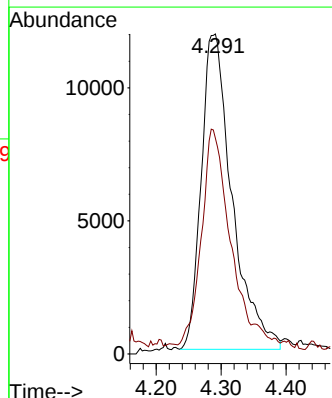
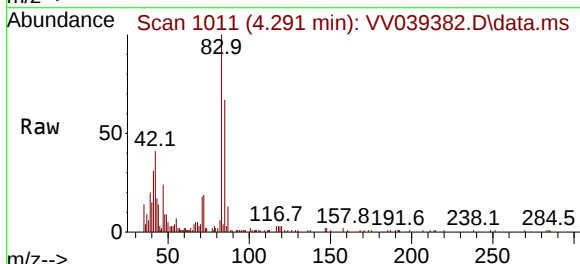
RT: 4.291 min Scan# 1011

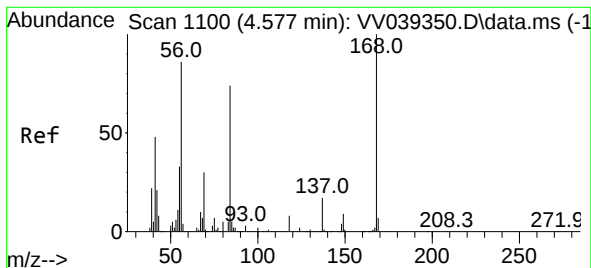
Delta R.T. 0.019 min

Lab File: VV039382.D

Acq: 13 Nov 2025 14:54

Tgt Ion: 83	Resp: 39143
Ion Ratio	Lower Upper
83	100
85	65.0 51.8 77.8





#31

Cyclohexane

Concen: 4.121 ug/l

RT: 4.590 min Scan# 1104

Delta R.T. 0.013 min

Lab File: VV039382.D

Acq: 13 Nov 2025 14:54

Instrument :

MSVOA_V

ClientSampleId :

MDL-WATER-03-QT4-2025

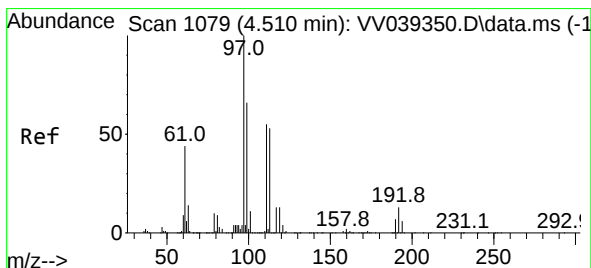
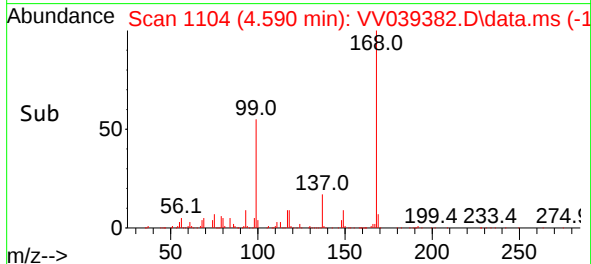
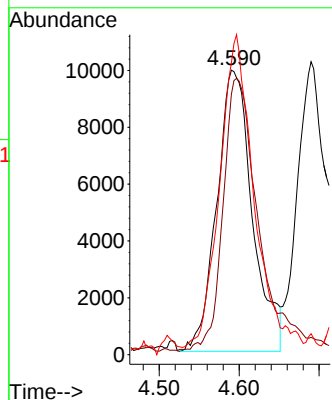
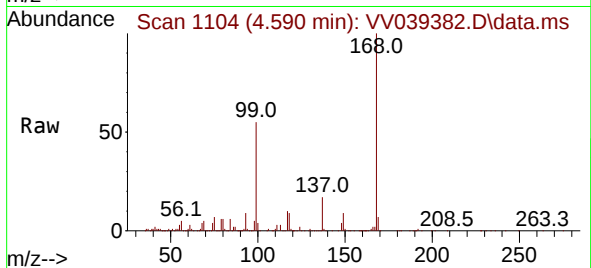
Tgt Ion: 56 Resp: 30650
 Ion Ratio Lower Upper
 56 100
 69 90.8 27.7 41.5
 84 101.0 69.4 104.2

Manual Integrations

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Reviewed By :John Carlone 11/14/2025

Supervised By :Mahesh Dadoda 11/14/2025



#32

1,1,1-Trichloroethane

Concen: 3.094 ug/l

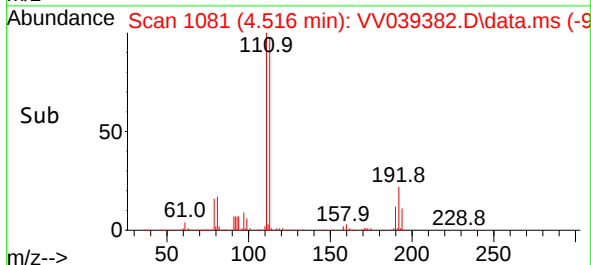
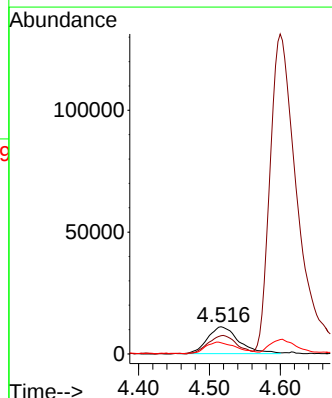
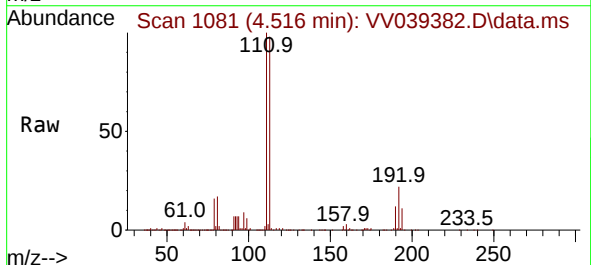
RT: 4.516 min Scan# 1081

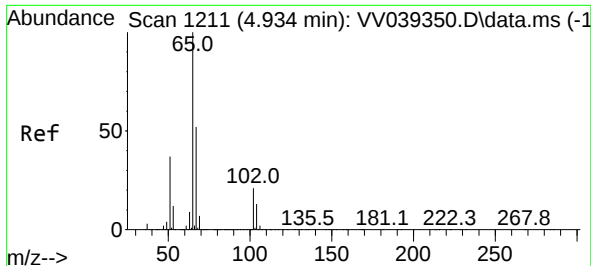
Delta R.T. 0.006 min

Lab File: VV039382.D

Acq: 13 Nov 2025 14:54

Tgt Ion: 97 Resp: 33958
 Ion Ratio Lower Upper
 97 100
 99 63.0 49.9 74.9
 61 41.6 33.9 50.9





#33

1,2-Dichloroethane-d4

Concen: 57.254 ug/l

RT: 4.941 min Scan# 1

Delta R.T. 0.007 min

Lab File: VV039382.D

Acq: 13 Nov 2025 14:54

Instrument :

MSVOA_V

ClientSampleId :

MDL-WATER-03-QT4-2025

Tgt Ion: 65 Resp: 48979

Ion Ratio Lower Upper

65 100

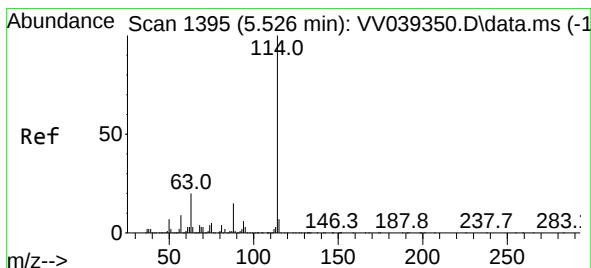
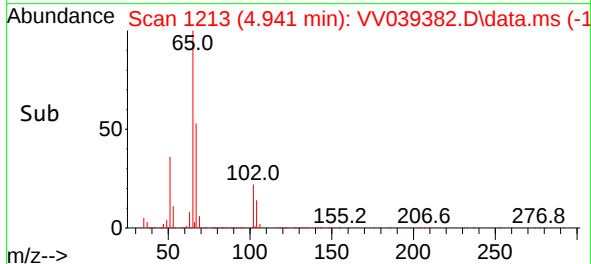
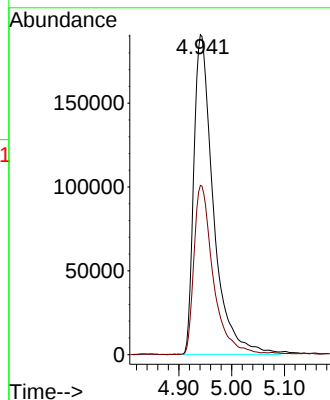
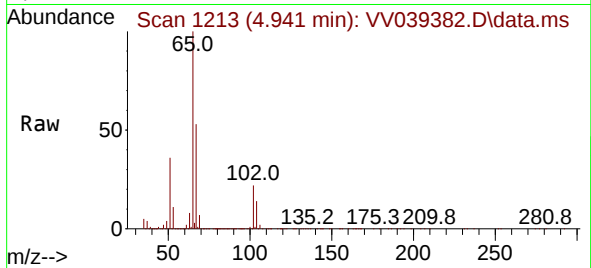
67 52.0 0.0 105.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/14/2025

Supervised By :Mahesh Dadoda 11/14/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.532 min Scan# 1397

Delta R.T. 0.006 min

Lab File: VV039382.D

Acq: 13 Nov 2025 14:54

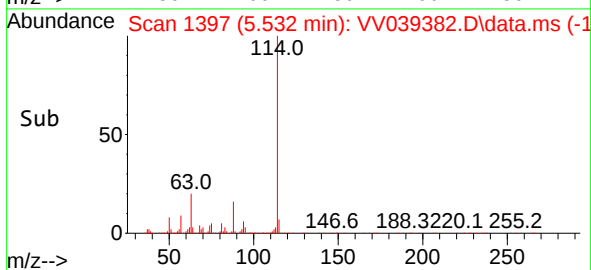
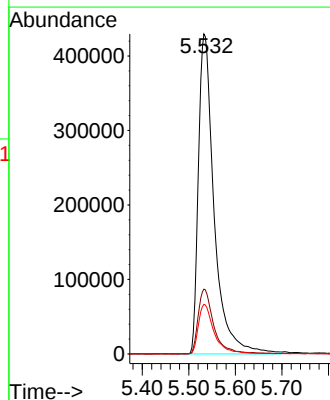
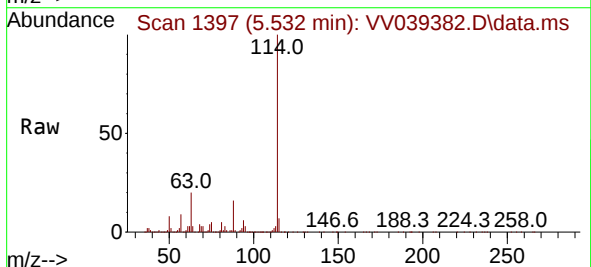
Tgt Ion:114 Resp: 1009190

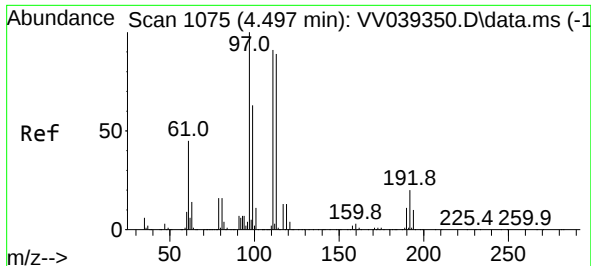
Ion Ratio Lower Upper

114 100

63 20.2 0.0 39.6

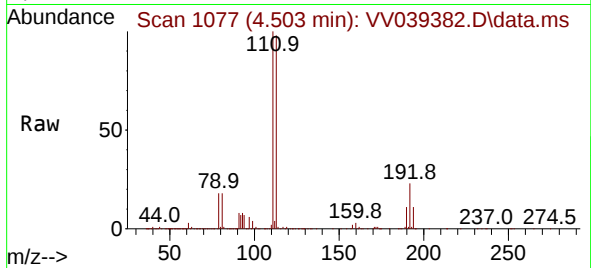
88 15.5 0.0 30.2





#35
Dibromofluoromethane
Concen: 54.509 ug/l
RT: 4.503 min Scan# 1107
Delta R.T. 0.007 min
Lab File: VV039382.D
Acq: 13 Nov 2025 14:54

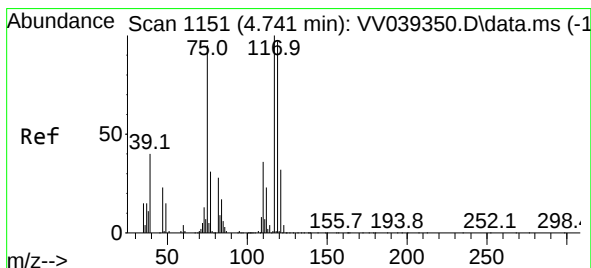
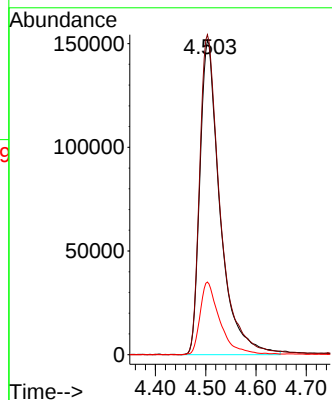
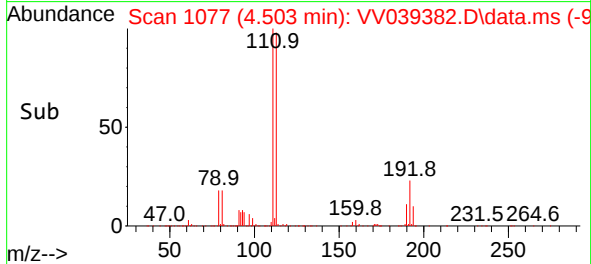
Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-03-QT4-2025



Tgt Ion:113 Resp: 421920
Ion Ratio Lower Upper
113 100
111 103.5 82.6 124.0
192 22.6 17.8 26.8

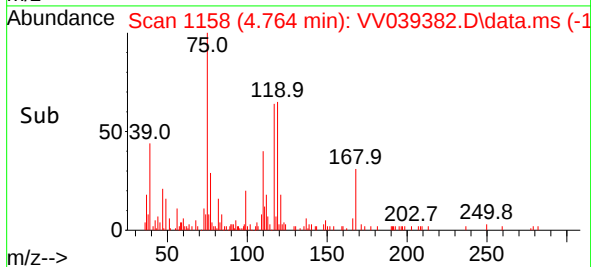
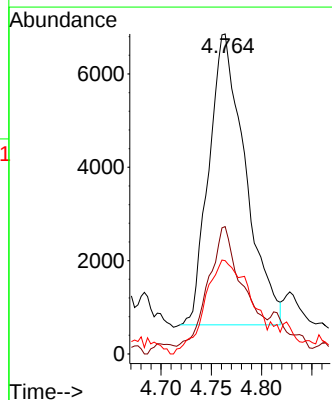
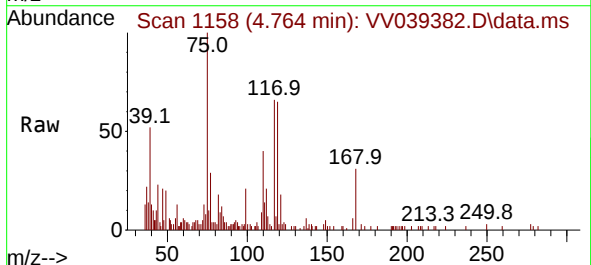
Manual Integrations
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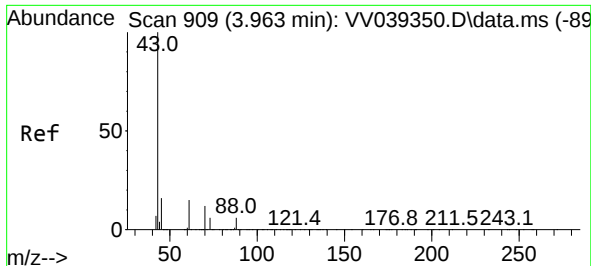
Reviewed By :John Carlone 11/14/2025
Supervised By :Mahesh Dadoda 11/14/2025



#36
1,1-Dichloropropene
Concen: 2.352 ug/l
RT: 4.764 min Scan# 1158
Delta R.T. 0.023 min
Lab File: VV039382.D
Acq: 13 Nov 2025 14:54

Tgt Ion: 75 Resp: 15682
Ion Ratio Lower Upper
75 100
110 38.8 18.1 54.4
77 40.0 24.0 36.0#





#37

Ethyl Acetate

Concen: 7.330 ug/l

RT: 3.912 min Scan# 893

Delta R.T. -0.051 min

Lab File: VV039382.D

Acq: 13 Nov 2025 14:54

Instrument :

MSVOA_V

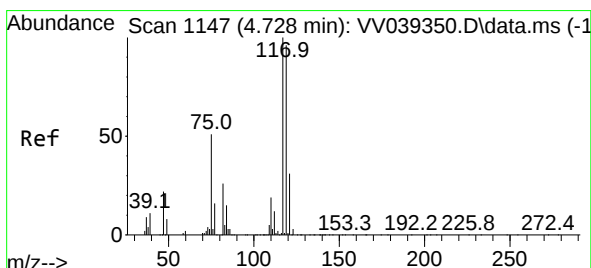
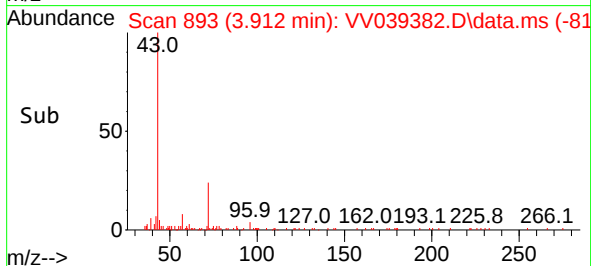
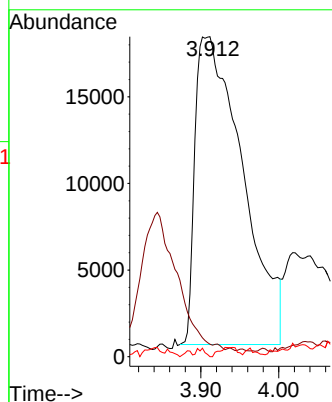
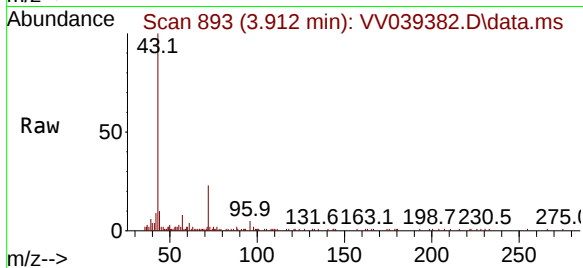
ClientSampleId :

MDL-WATER-03-QT4-2025

Tgt Ion: 43	Resp: 7507
Ion Ratio	Lower Upper
43	100
61	0.0 9.3 13.9
70	0.5 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: 2.855 ug/l

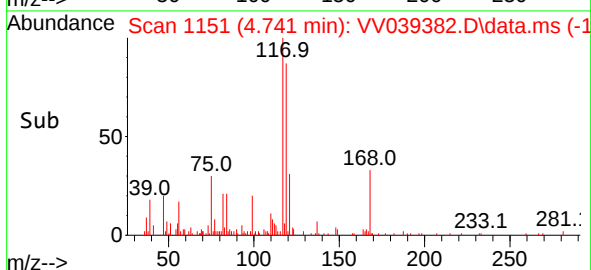
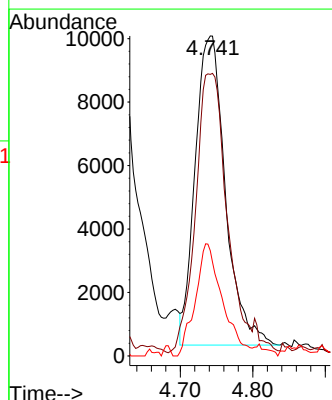
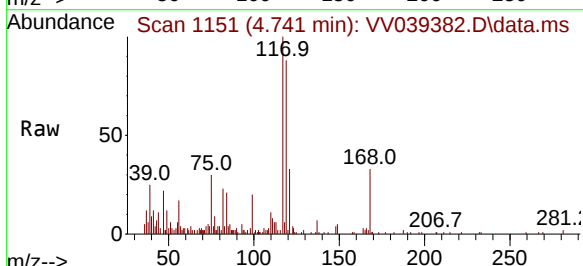
RT: 4.741 min Scan# 1151

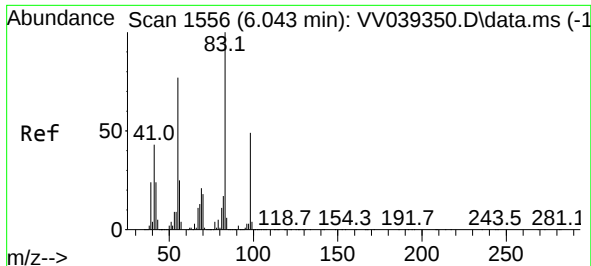
Delta R.T. 0.013 min

Lab File: VV039382.D

Acq: 13 Nov 2025 14:54

Tgt Ion: 117	Resp: 28276
Ion Ratio	Lower Upper
117	100
119	88.1 76.1 114.1
121	32.9 25.0 37.4





#39

Methylcyclohexane

Concen: 2.664 ug/l

RT: 6.047 min Scan# 1

Delta R.T. 0.003 min

Lab File: VV039382.D

Acq: 13 Nov 2025 14:54

Instrument :

MSVOA_V

ClientSampleId :

MDL-WATER-03-QT4-2025

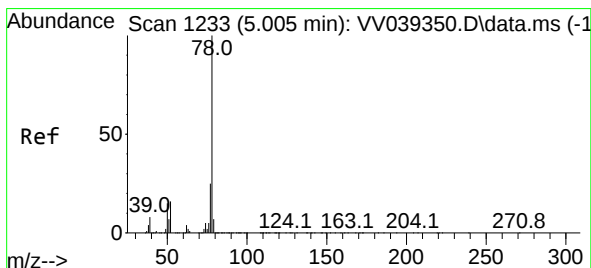
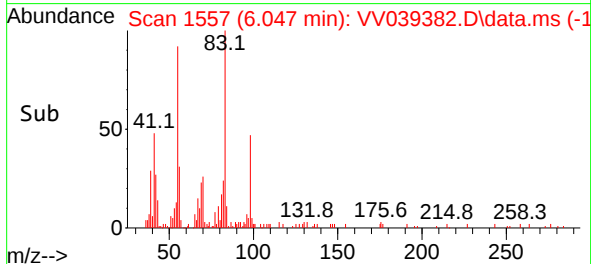
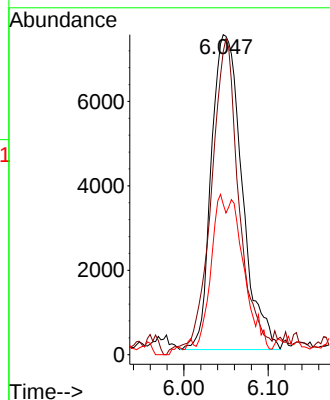
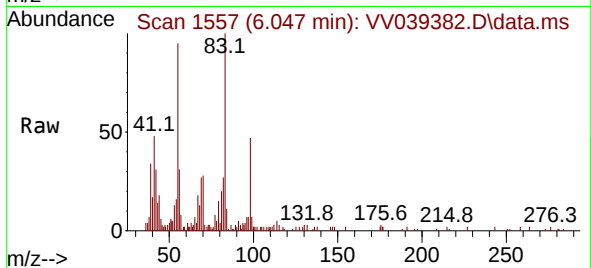
Tgt Ion: 83	Resp: 1891
Ion Ratio	Lower Upper
83 100	
55 93.5	61.3 91.9
98 45.5	39.0 58.6

Manual Integrations

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Reviewed By :John Carlone 11/14/2025

Supervised By :Mahesh Dadoda 11/14/2025



#40

Benzene

Concen: 2.915 ug/l

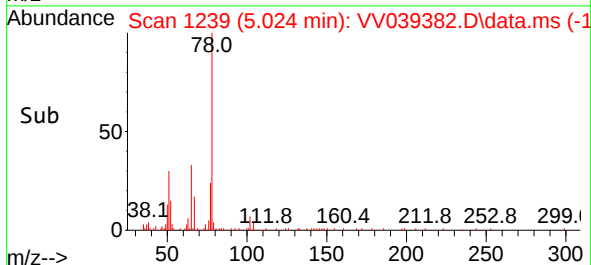
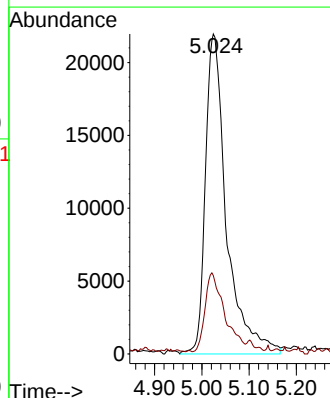
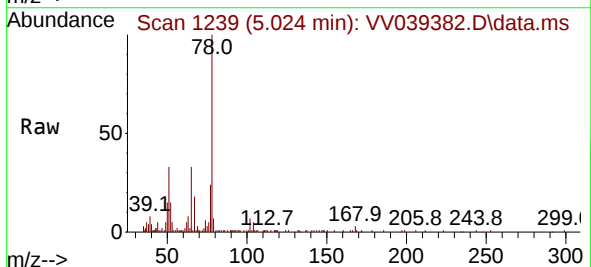
RT: 5.024 min Scan# 1239

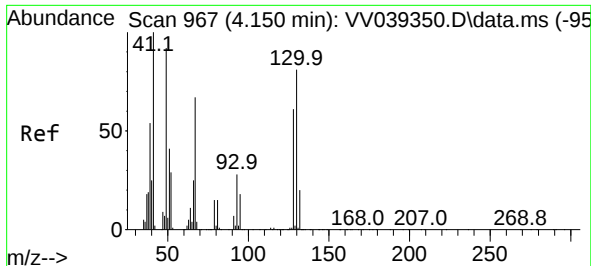
Delta R.T. 0.019 min

Lab File: VV039382.D

Acq: 13 Nov 2025 14:54

Tgt Ion: 78	Resp: 67953
Ion Ratio	Lower Upper
78 100	
77 23.5	19.6 29.4





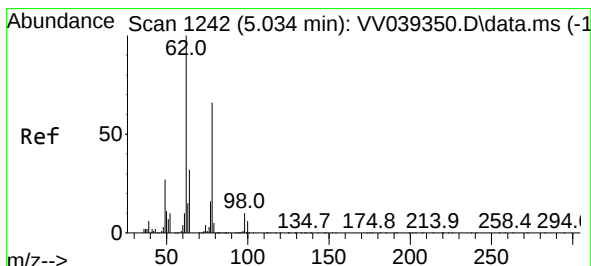
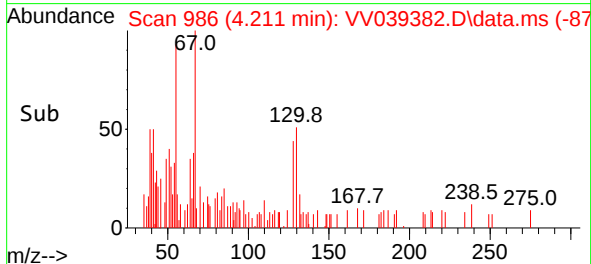
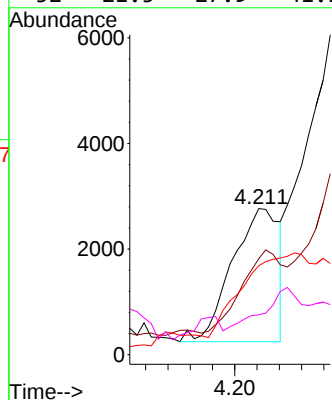
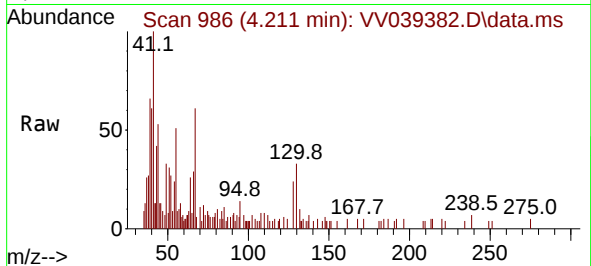
#41
Methacrylonitrile
Concen: 1.014 ug/l
RT: 4.211 min Scan# 91
Delta R.T. 0.061 min
Lab File: VV039382.D
Acq: 13 Nov 2025 14:54

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

Tgt Ion: 41 Resp: 3709
Ion Ratio Lower Upper
41 100
39 56.4 44.3 66.5
67 151.0 71.4 107.2
52 21.5 27.9 41.9#

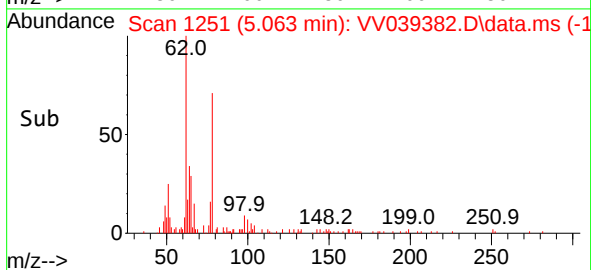
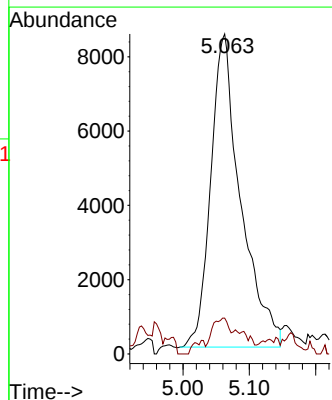
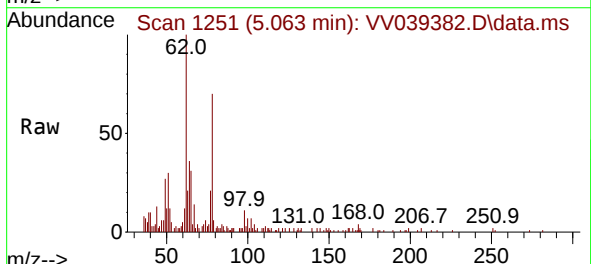
Manual Integrations
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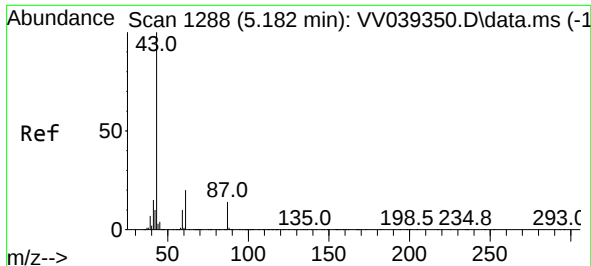
Reviewed By :John Carlone 11/14/2025
Supervised By :Mahesh Dadoda 11/14/2025



#42
1,2-Dichloroethane
Concen: 2.911 ug/l
RT: 5.063 min Scan# 1251
Delta R.T. 0.029 min
Lab File: VV039382.D
Acq: 13 Nov 2025 14:54

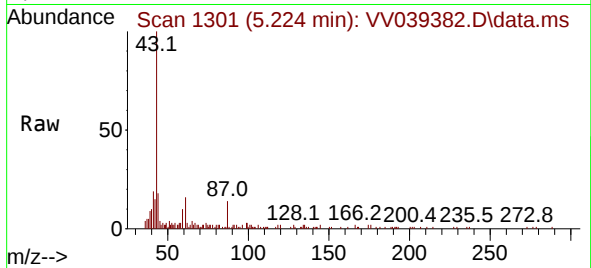
Tgt Ion: 62 Resp: 26448
Ion Ratio Lower Upper
62 100
98 5.1 0.0 18.6





#43
Isopropyl Acetate
Concen: 2.378 ug/l
RT: 5.224 min Scan# 11
Delta R.T. 0.042 min
Lab File: VV039382.D
Acq: 13 Nov 2025 14:54

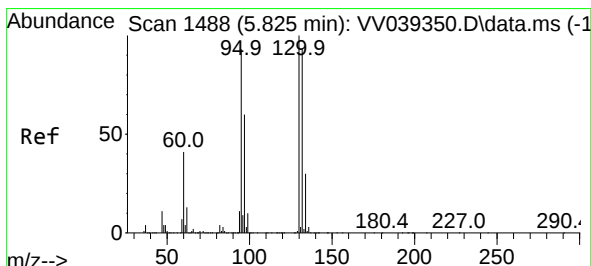
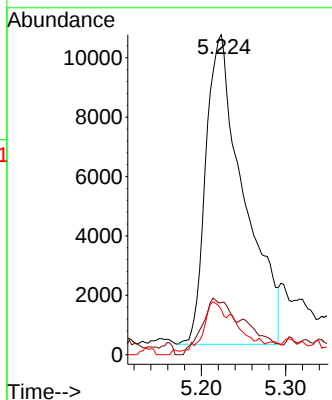
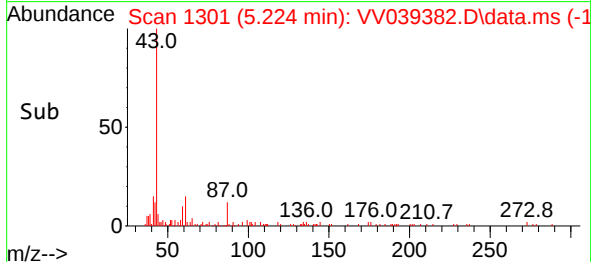
Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-03-QT4-2025



Tgt Ion: 43 Resp: 3244
Ion Ratio Lower Upper
43 100
61 14.2 15.7 23.5
87 8.4 11.1 16.7

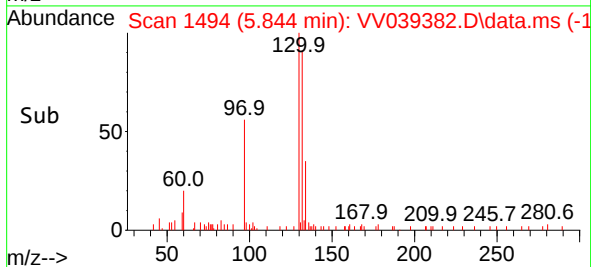
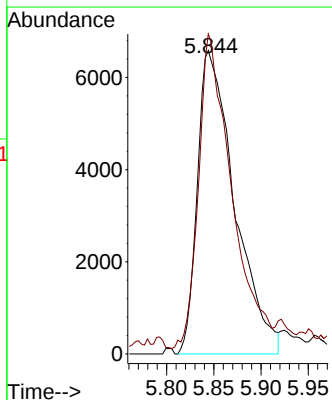
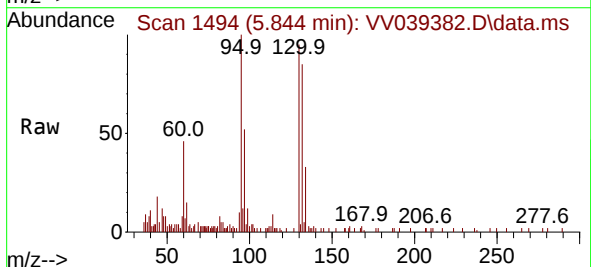
Manual Integrations
APPROVED

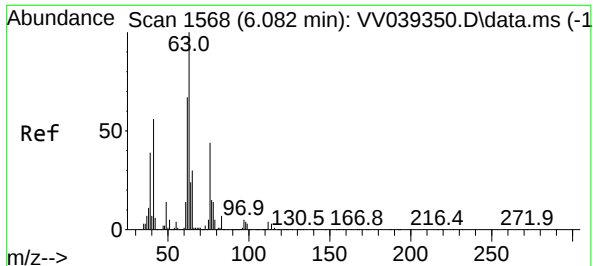
Reviewed By :John Carlone 11/14/2025
Supervised By :Mahesh Dadoda 11/14/2025



#44
Trichloroethene
Concen: 2.853 ug/l
RT: 5.844 min Scan# 1494
Delta R.T. 0.019 min
Lab File: VV039382.D
Acq: 13 Nov 2025 14:54

Tgt Ion:130 Resp: 18046
Ion Ratio Lower Upper
130 100
95 100.9 0.0 186.8





#45

1,2-Dichloropropane

Concen: 2.783 ug/l

RT: 6.105 min Scan# 11

Delta R.T. 0.023 min

Lab File: VV039382.D

Acq: 13 Nov 2025 14:54

Instrument :

MSVOA_V

ClientSampleId :

MDL-WATER-03-QT4-2025

Tgt Ion: 63 Resp: 17554

Ion Ratio Lower Upper

63 100

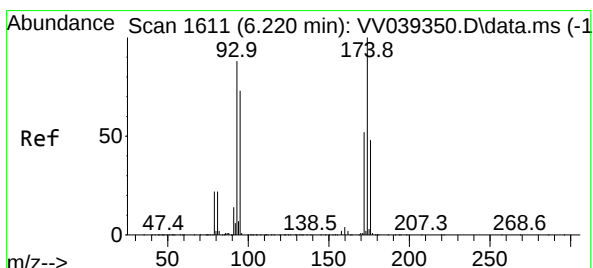
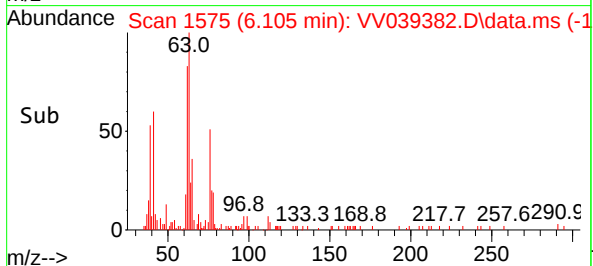
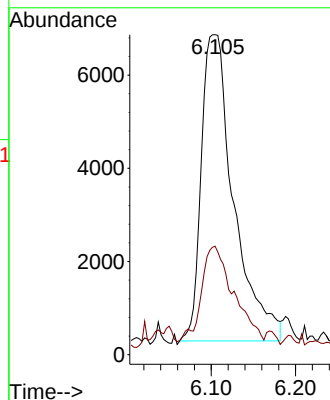
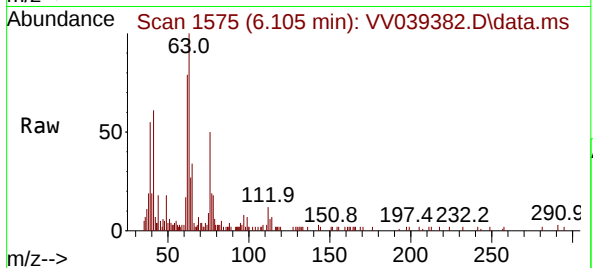
65 32.1 23.9 35.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/14/2025

Supervised By :Mahesh Dadoda 11/14/2025



#46

Dibromomethane

Concen: 2.777 ug/l

RT: 6.246 min Scan# 1619

Delta R.T. 0.026 min

Lab File: VV039382.D

Acq: 13 Nov 2025 14:54

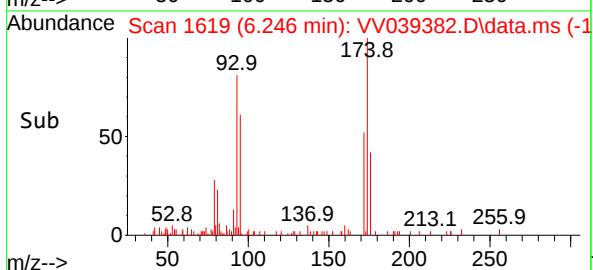
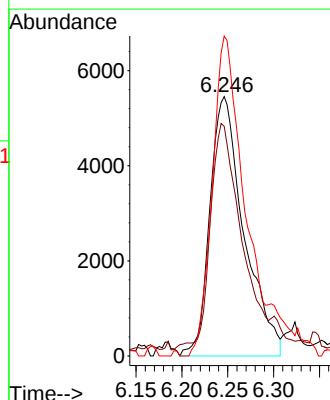
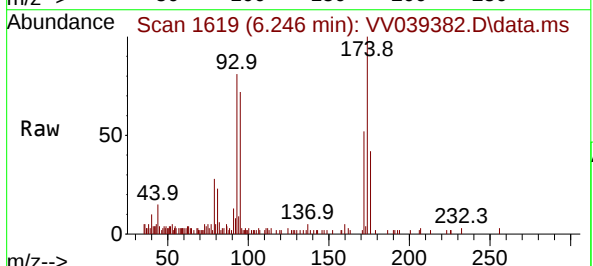
Tgt Ion: 93 Resp: 14086

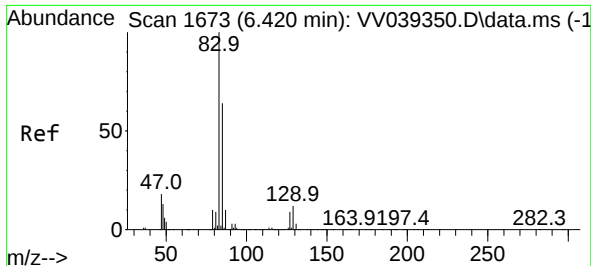
Ion Ratio Lower Upper

93 100

95 79.2 65.9 98.9

174 125.6 91.4 137.0





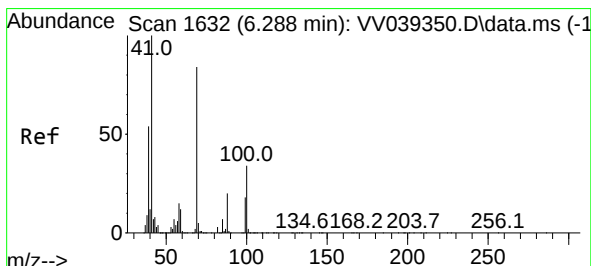
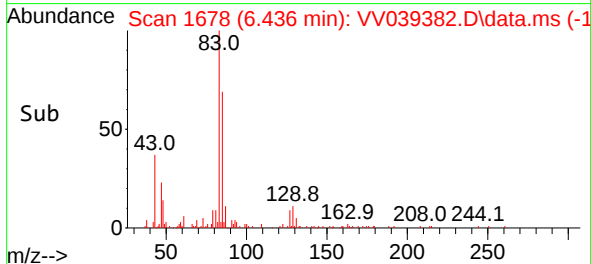
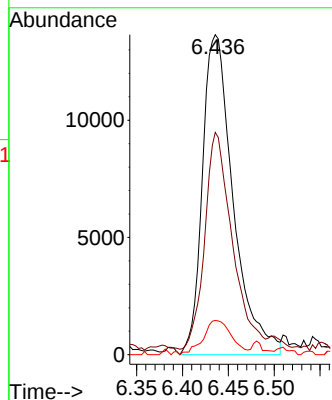
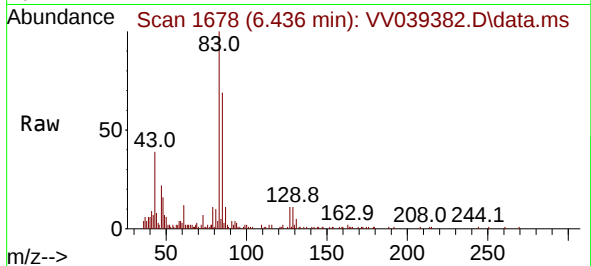
#47
Bromodichloromethane
Concen: 2.900 ug/l
RT: 6.436 min Scan# 1647
Delta R.T. 0.016 min
Lab File: VV039382.D
Acq: 13 Nov 2025 14:54

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

Tgt Ion: 83 Resp: 3185
Ion Ratio Lower Upper
83 100
85 67.7 51.0 76.4
127 10.7 7.3 10.9

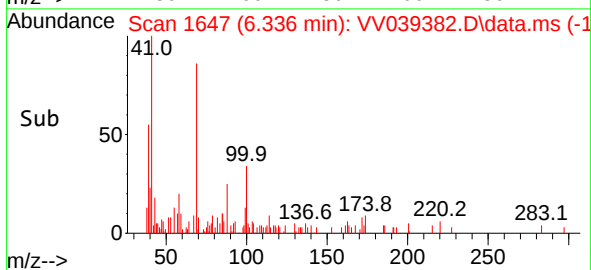
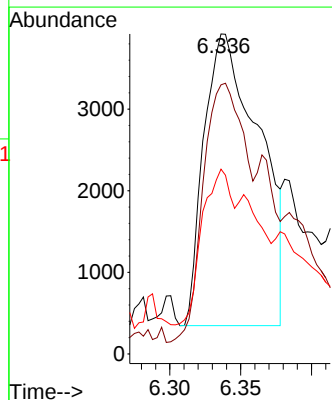
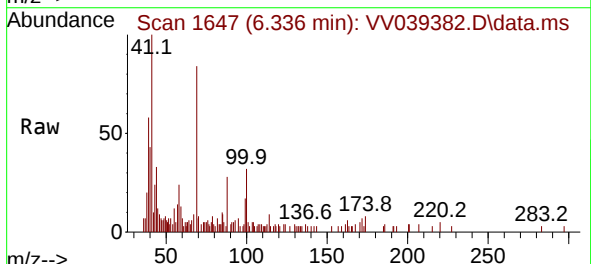
Manual Integrations
APPROVED

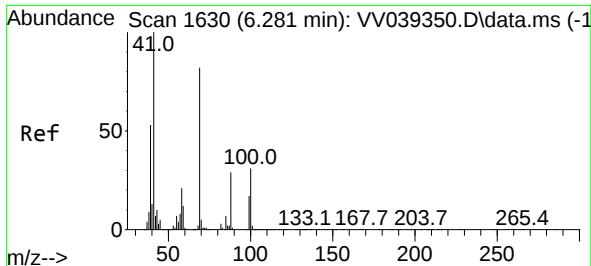
Reviewed By :John Carlone 11/14/2025
Supervised By :Mahesh Dadoda 11/14/2025



#48
Methyl methacrylate
Concen: 1.529 ug/l
RT: 6.336 min Scan# 1647
Delta R.T. 0.048 min
Lab File: VV039382.D
Acq: 13 Nov 2025 14:54

Tgt Ion: 41 Resp: 9714
Ion Ratio Lower Upper
41 100
69 68.2 69.1 103.7#
39 28.7 42.8 64.2#





#49

1,4-Dioxane

Concen: 64.378 ug/l m

RT: 6.323 min Scan# 1

Delta R.T. 0.042 min

Lab File: VV039382.D

Acq: 13 Nov 2025 14:54

Instrument :

MSVOA_V

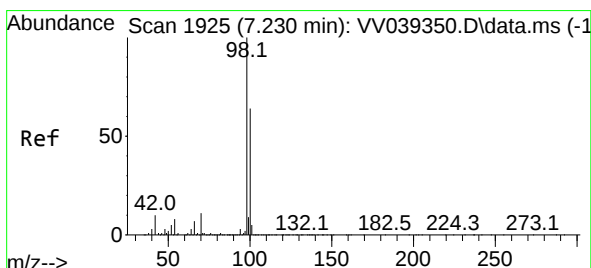
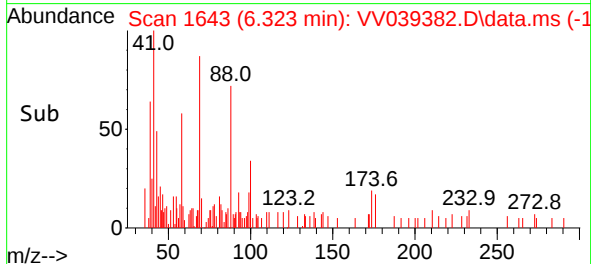
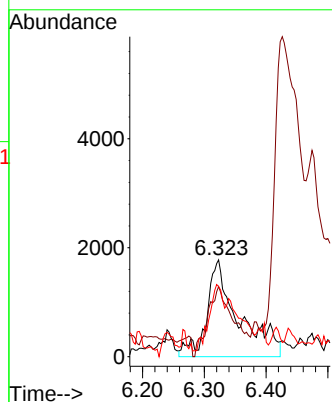
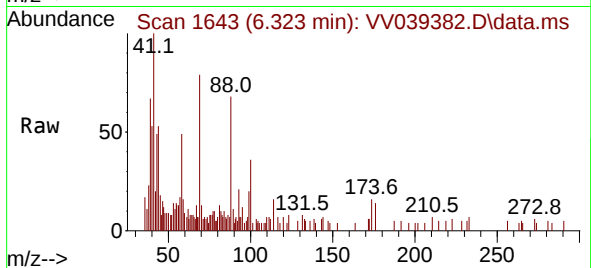
ClientSampleId :

MDL-WATER-03-QT4-2025

Tgt Ion: 88 Resp: 630
 Ion Ratio Lower Upper
 88 100
 43 0.0 26.6 40.0
 58 3.3 55.4 83.0

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



#50

Toluene-d8

Concen: 50.753 ug/l

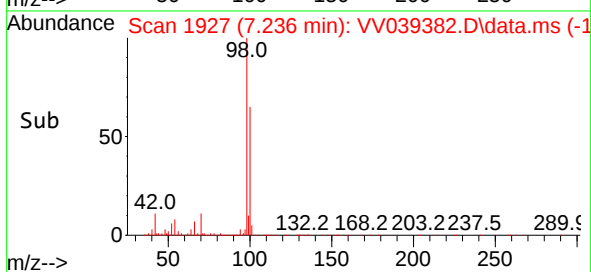
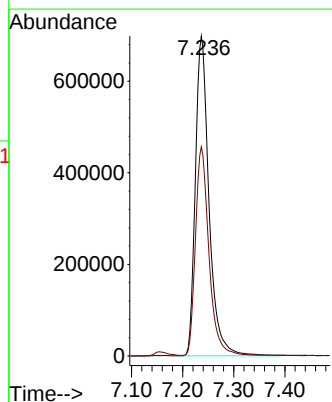
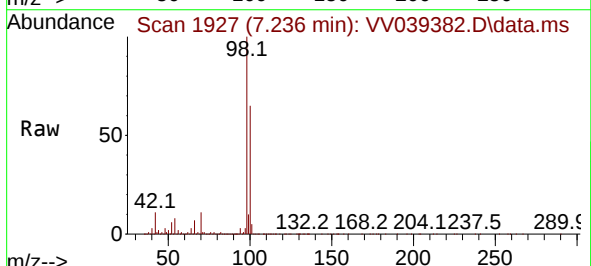
RT: 7.236 min Scan# 1927

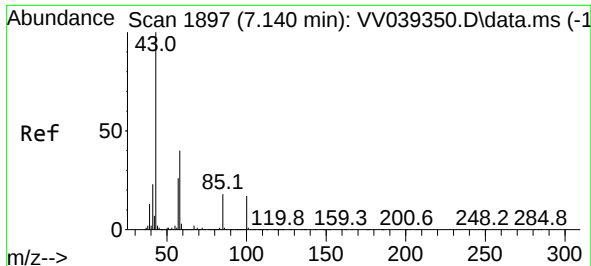
Delta R.T. 0.007 min

Lab File: VV039382.D

Acq: 13 Nov 2025 14:54

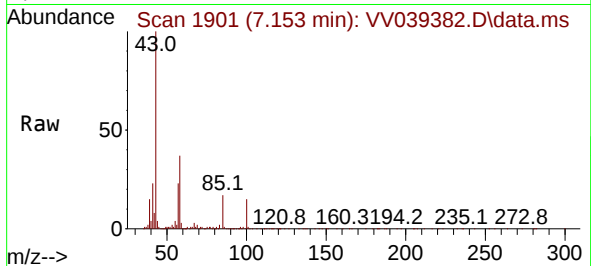
Tgt Ion: 98 Resp: 1298185
 Ion Ratio Lower Upper
 98 100
 100 64.4 52.8 79.2





#51
4-Methyl-2-Pentanone
Concen: 12.768 ug/l
RT: 7.153 min Scan# 1901
Delta R.T. 0.013 min
Lab File: VV039382.D
Acq: 13 Nov 2025 14:54

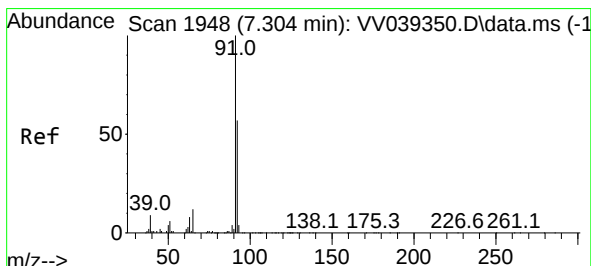
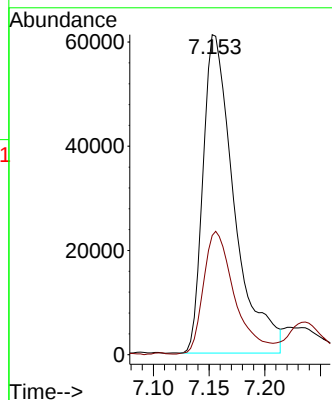
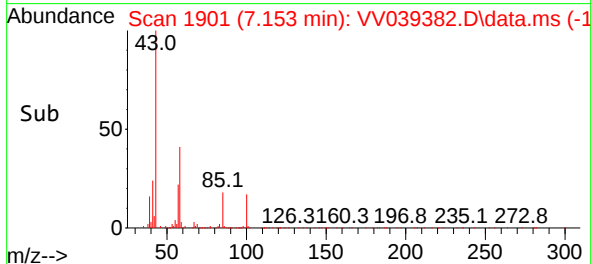
Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-03-QT4-2025



Tgt Ion: 43 Resp: 119080
Ion Ratio Lower Upper
43 100
58 38.5 31.8 47.6

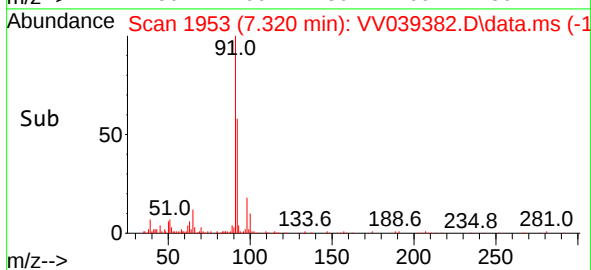
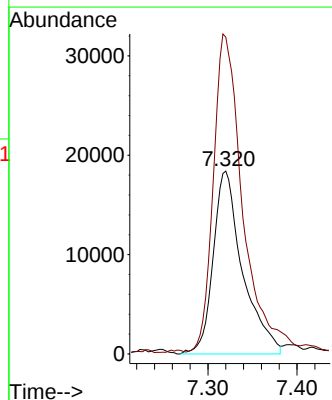
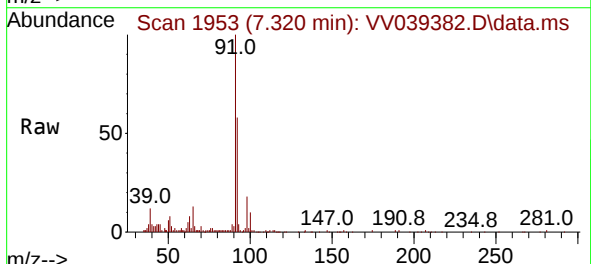
Manual Integrations
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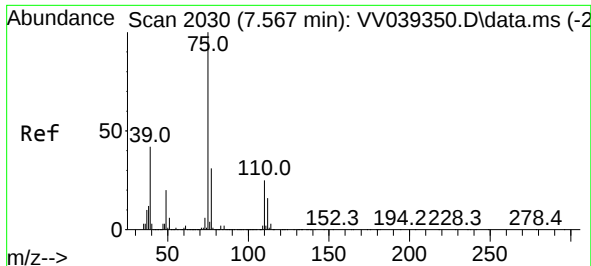
Reviewed By :John Carlone 11/14/2025
Supervised By :Mahesh Dadoda 11/14/2025



#52
Toluene
Concen: 2.887 ug/l
RT: 7.320 min Scan# 1953
Delta R.T. 0.016 min
Lab File: VV039382.D
Acq: 13 Nov 2025 14:54

Tgt Ion: 92 Resp: 42179
Ion Ratio Lower Upper
92 100
91 173.8 139.0 208.6





#53

t-1,3-Dichloropropene

Concen: 2.752 ug/l

RT: 7.593 min Scan# 2030

Delta R.T. 0.026 min

Lab File: VV039382.D

Acq: 13 Nov 2025 14:54

Instrument :

MSVOA_V

ClientSampleId :

MDL-WATER-03-QT4-2025

Tgt Ion: 75 Resp: 26009

Ion Ratio Lower Upper

75 100

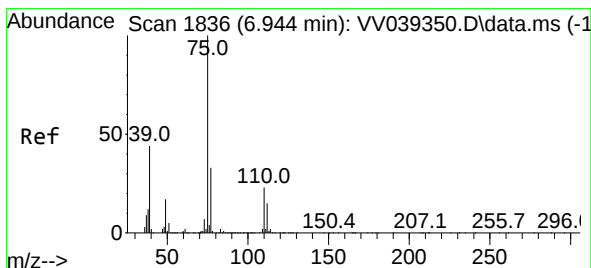
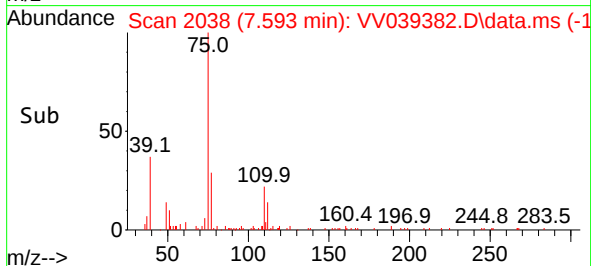
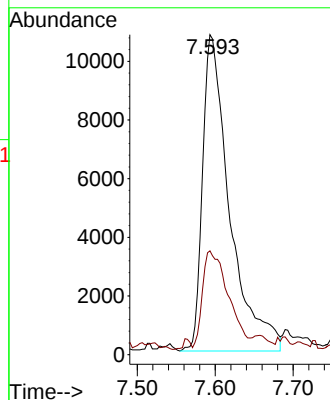
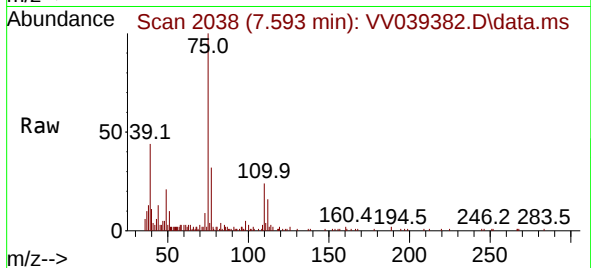
77 30.9 24.5 36.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/14/2025

Supervised By :Mahesh Dadoda 11/14/2025



#54

cis-1,3-Dichloropropene

Concen: 2.559 ug/l

RT: 6.966 min Scan# 1843

Delta R.T. 0.023 min

Lab File: VV039382.D

Acq: 13 Nov 2025 14:54

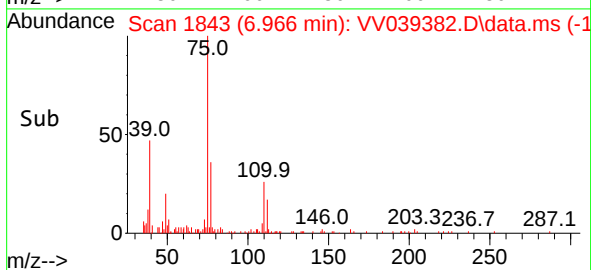
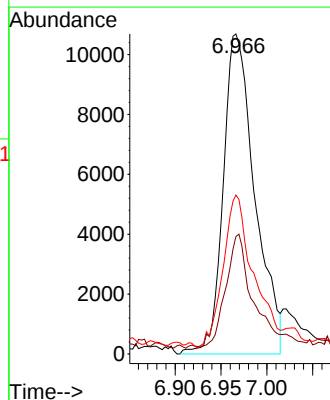
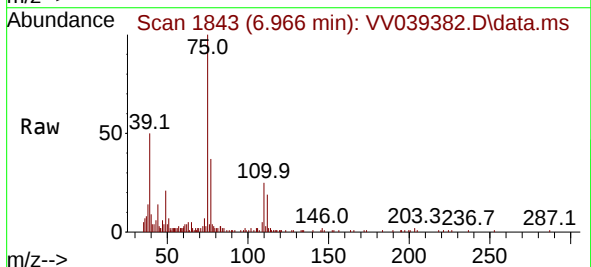
Tgt Ion: 75 Resp: 25682

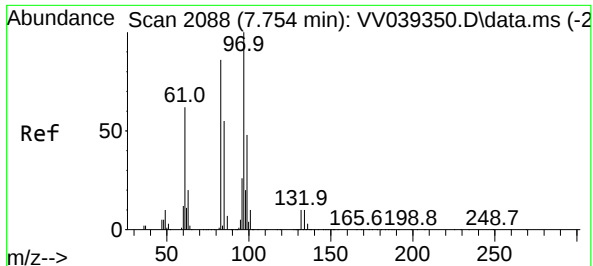
Ion Ratio Lower Upper

75 100

77 33.8 26.3 39.5

39 46.1 35.5 53.3





#55

1,1,2-Trichloroethane

Concen: 3.000 ug/l

RT: 7.770 min Scan# 2088

Delta R.T. 0.016 min

Lab File: VV039382.D

Acq: 13 Nov 2025 14:54

Instrument :

MSVOA_V

ClientSampleId :

MDL-WATER-03-QT4-2025

Tgt Ion: 97 Resp: 22189

Ion Ratio Lower Upper

97 100

83 80.3 68.8 103.2

85 50.9 45.2 67.8

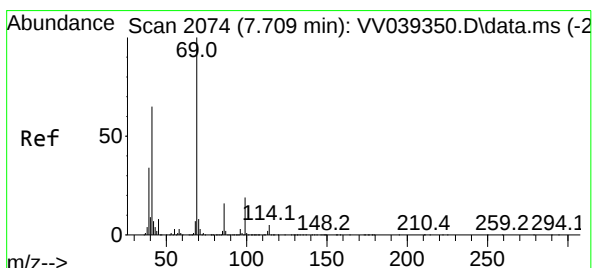
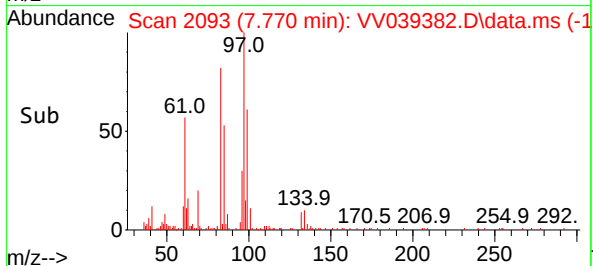
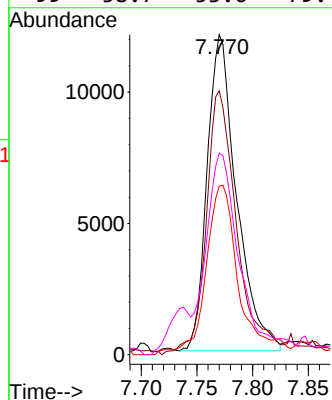
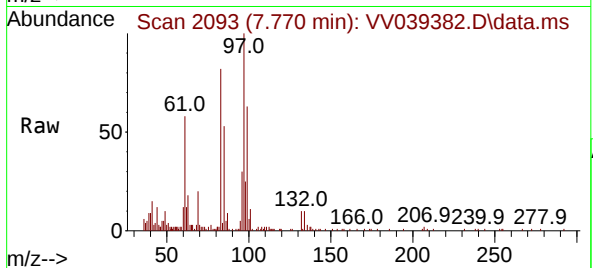
99 58.7 53.0 79.4

Manual Integrations

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Reviewed By :John Carlone 11/14/2025

Supervised By :Mahesh Dadoda 11/14/2025



#56

Ethyl methacrylate

Concen: 2.278 ug/l

RT: 7.731 min Scan# 2081

Delta R.T. 0.023 min

Lab File: VV039382.D

Acq: 13 Nov 2025 14:54

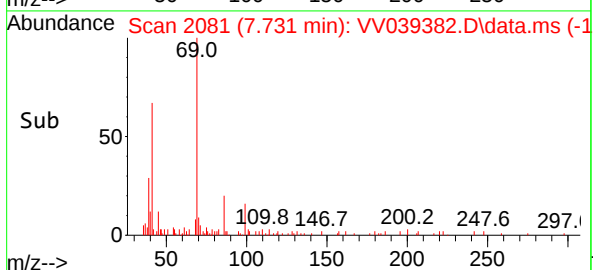
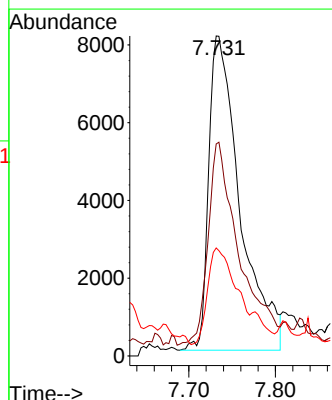
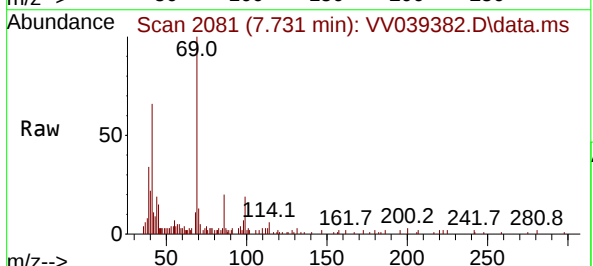
Tgt Ion: 69 Resp: 20344

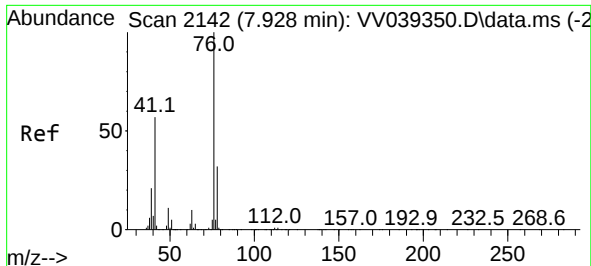
Ion Ratio Lower Upper

69 100

41 61.9 52.5 78.7

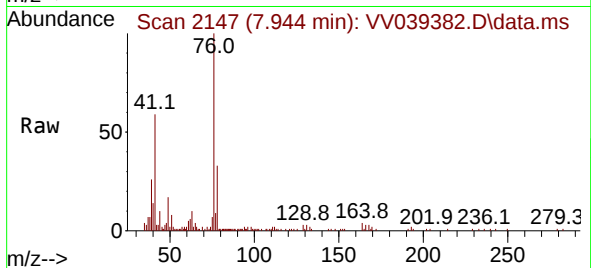
39 27.9 26.7 40.1





#57
1,3-Dichloropropane
Concen: 2.789 ug/l
RT: 7.944 min Scan# 2142
Delta R.T. 0.016 min
Lab File: VV039382.D
Acq: 13 Nov 2025 14:54

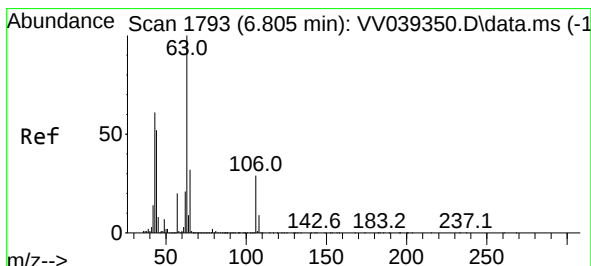
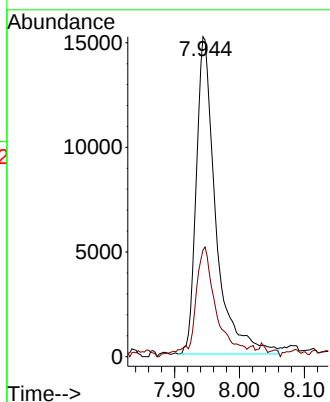
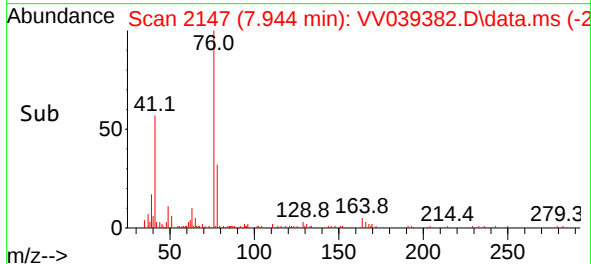
Instrument : MSVOA_V
ClientSampleId : MDL-WATER-03-QT4-2025



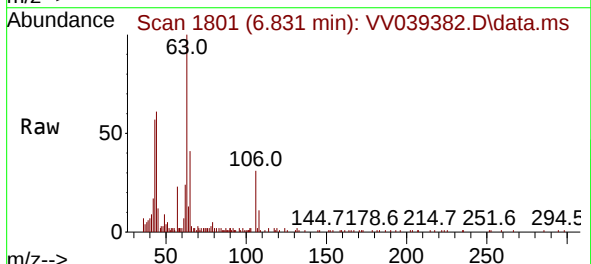
Tgt Ion: 76 Resp: 31729
Ion Ratio Lower Upper
76 100
78 37.0 25.6 38.4

Manual Integrations
APPROVED

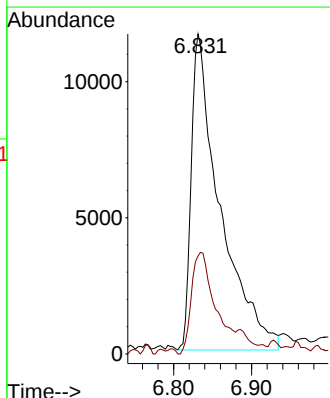
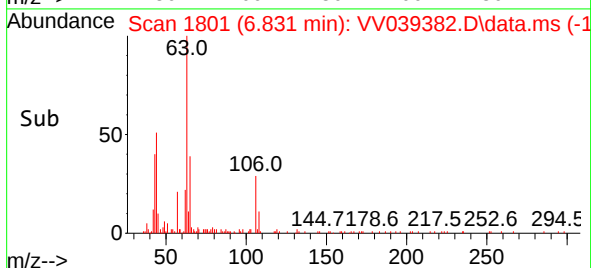
Reviewed By :John Carlone 11/14/2025
Supervised By :Mahesh Dadoda 11/14/2025

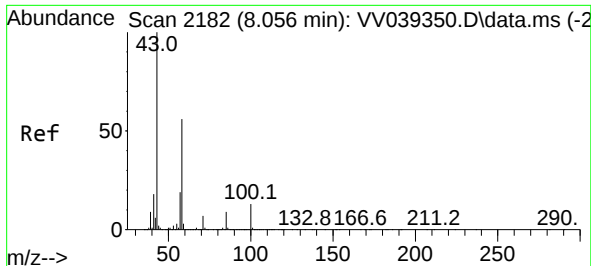


#58
2-Chloroethyl Vinyl ether
Concen: 11.723 ug/l
RT: 6.831 min Scan# 1801
Delta R.T. 0.026 min
Lab File: VV039382.D
Acq: 13 Nov 2025 14:54



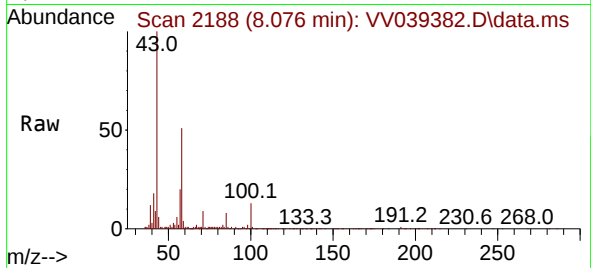
Tgt Ion: 63 Resp: 29774
Ion Ratio Lower Upper
63 100
106 26.6 23.3 34.9





#59
2-Hexanone
Concen: 13.648 ug/l
RT: 8.076 min Scan# 2182
Delta R.T. 0.019 min
Lab File: VV039382.D
Acq: 13 Nov 2025 14:54

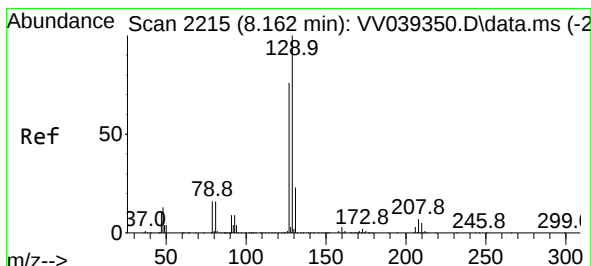
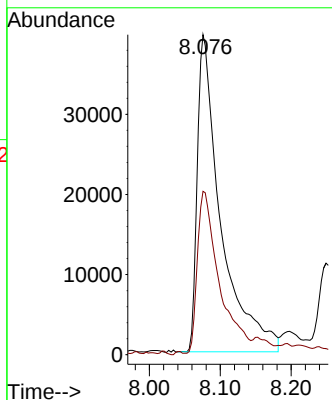
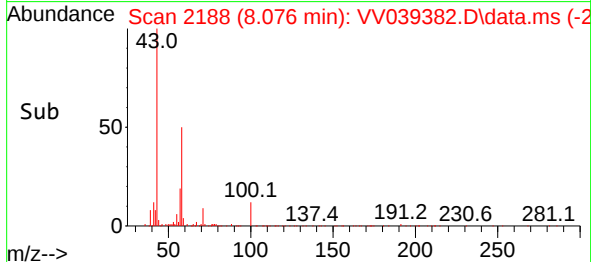
Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-03-QT4-2025



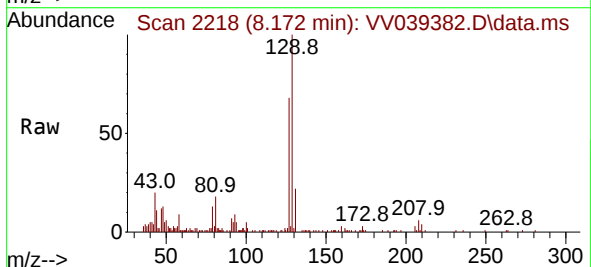
Tgt Ion: 43 Resp: 90970
Ion Ratio Lower Upper
43 100
58 47.4 27.7 83.1

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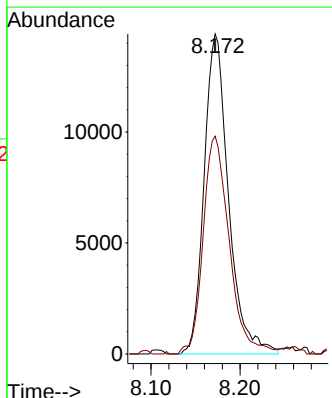
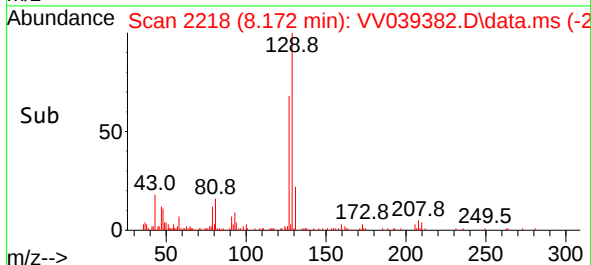
Reviewed By :John Carlone 11/14/2025
Supervised By :Mahesh Dadoda 11/14/2025

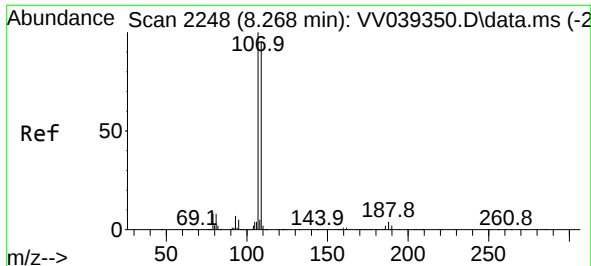


#60
Dibromochloromethane
Concen: 2.892 ug/l
RT: 8.172 min Scan# 2218
Delta R.T. 0.010 min
Lab File: VV039382.D
Acq: 13 Nov 2025 14:54



Tgt Ion:129 Resp: 27413
Ion Ratio Lower Upper
129 100
127 72.5 38.6 115.7





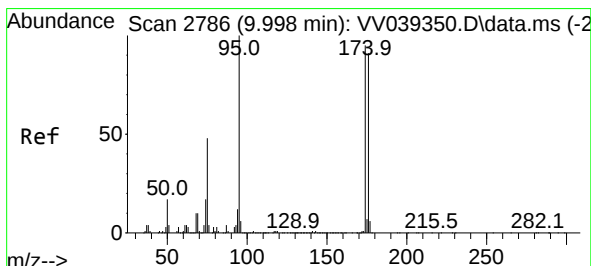
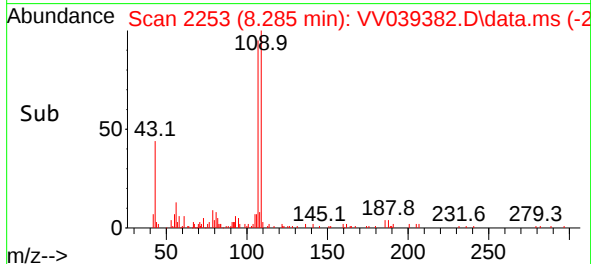
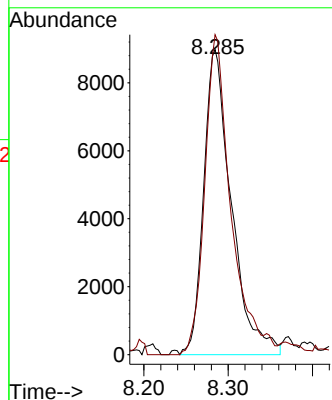
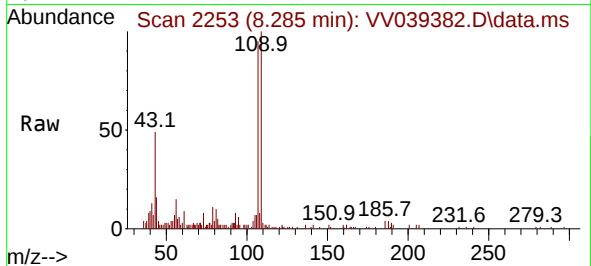
#61
1,2-Dibromoethane
Concen: 2.848 ug/l
RT: 8.285 min Scan# 2107
Delta R.T. 0.016 min
Lab File: VV039382.D
Acq: 13 Nov 2025 14:54

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

Tgt Ion:107 Resp: 20538
Ion Ratio Lower Upper
107 100
109 99.3 75.8 113.8

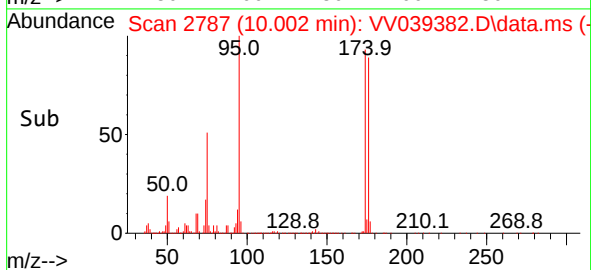
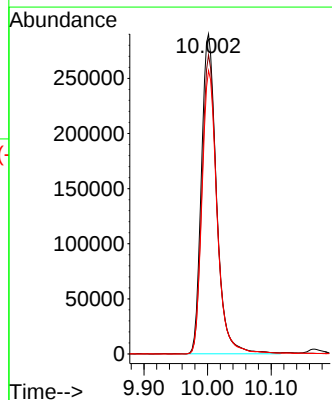
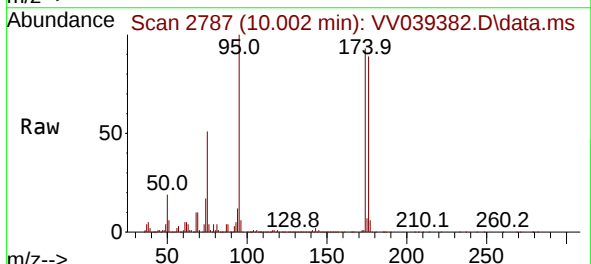
Manual Integrations
APPROVED

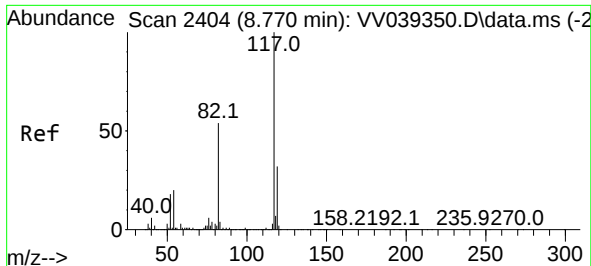
Reviewed By :John Carlone 11/14/2025
Supervised By :Mahesh Dadoda 11/14/2025



#62
4-Bromofluorobenzene
Concen: 48.575 ug/l
RT: 10.002 min Scan# 2787
Delta R.T. 0.003 min
Lab File: VV039382.D
Acq: 13 Nov 2025 14:54

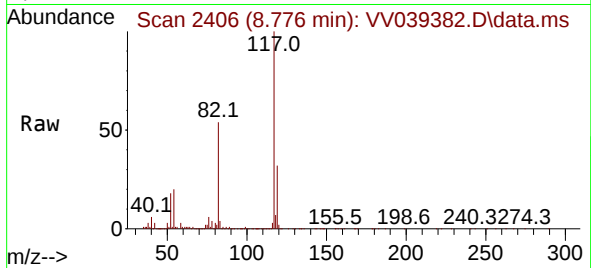
Tgt Ion: 95 Resp: 477423
Ion Ratio Lower Upper
95 100
174 93.2 0.0 187.6
176 89.0 0.0 180.2





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 8.776 min Scan# 2404
Delta R.T. 0.006 min
Lab File: VV039382.D
Acq: 13 Nov 2025 14:54

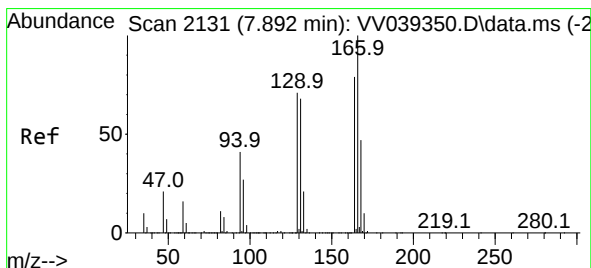
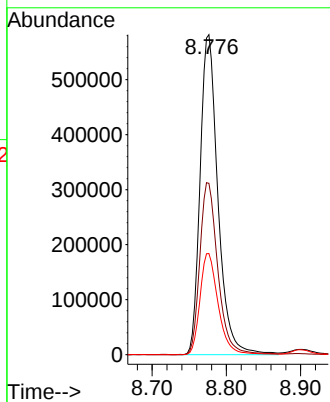
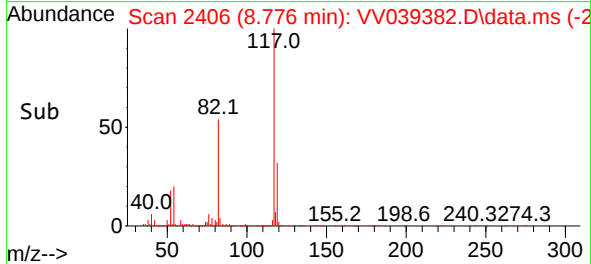
Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-03-QT4-2025



Tgt Ion:117 Resp: 971735
Ion Ratio Lower Upper
117 100
82 53.5 42.9 64.3
119 31.6 25.5 38.3

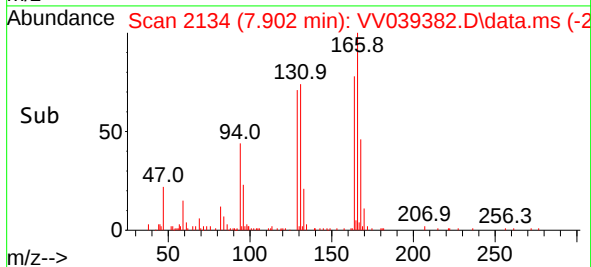
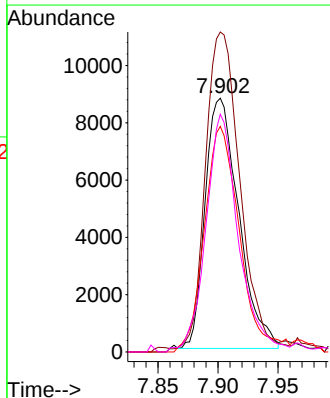
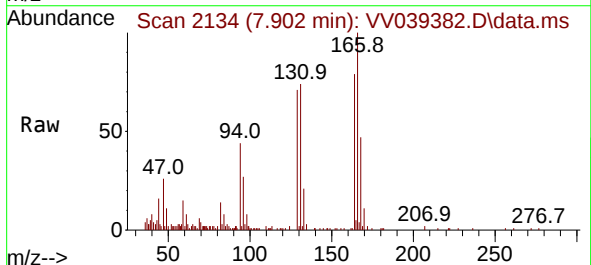
Manual Integrations
APPROVED

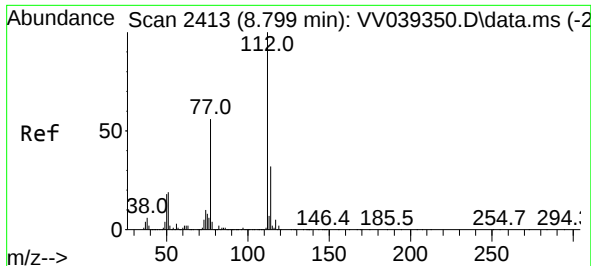
Reviewed By :John Carlone 11/14/2025
Supervised By :Mahesh Dadoda 11/14/2025



#64
Tetrachloroethene
Concen: 2.839 ug/l
RT: 7.902 min Scan# 2134
Delta R.T. 0.010 min
Lab File: VV039382.D
Acq: 13 Nov 2025 14:54

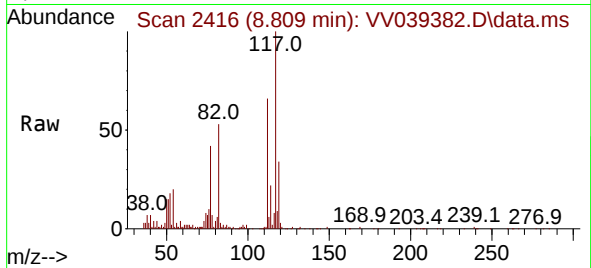
Tgt Ion:164 Resp: 17050
Ion Ratio Lower Upper
164 100
166 126.2 101.9 152.9
129 88.3 71.8 107.8
131 93.3 69.0 103.4





#65
Chlorobenzene
Concen: 2.836 ug/l
RT: 8.809 min Scan# 2416
Delta R.T. 0.010 min
Lab File: VV039382.D
Acq: 13 Nov 2025 14:54

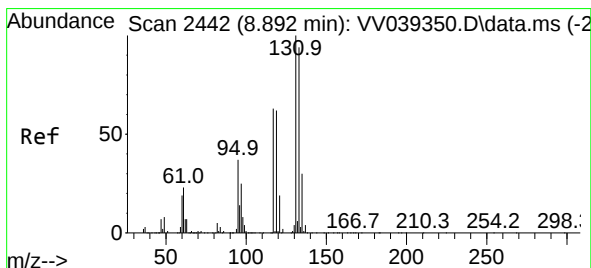
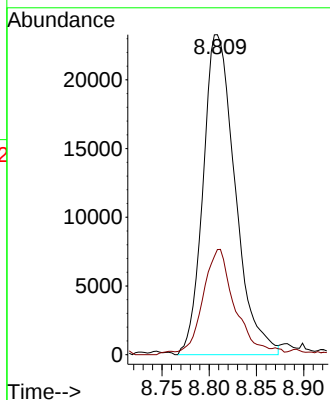
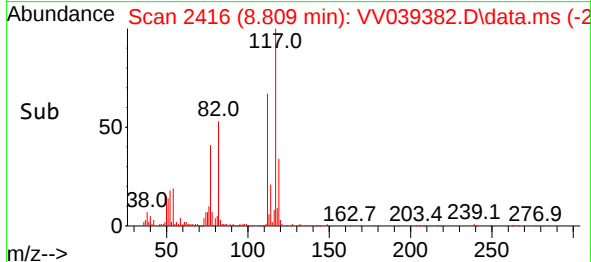
Instrument : MSVOA_V
ClientSampleId : MDL-WATER-03-QT4-2025



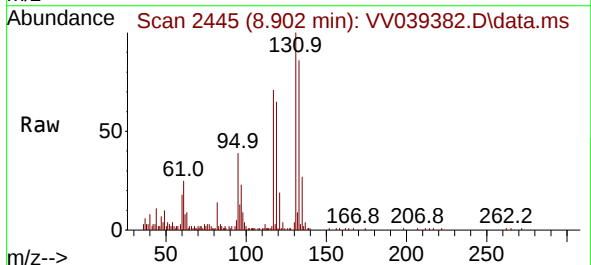
Tgt Ion:112 Resp: 5486
Ion Ratio Lower Upper
112 100
114 31.8 25.7 38.5

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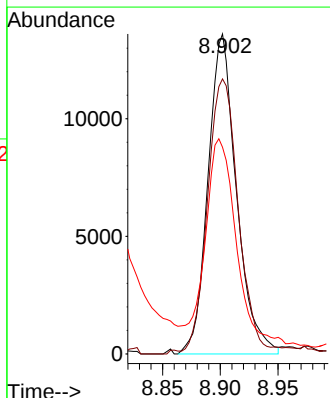
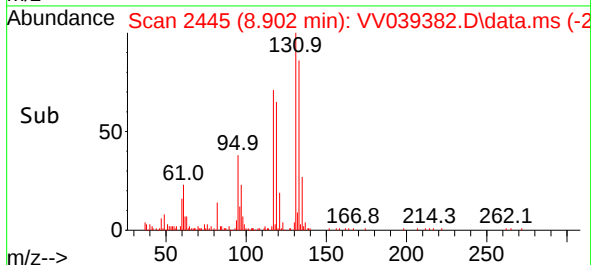
Reviewed By :John Carlone 11/14/2025
Supervised By :Mahesh Dadoda 11/14/2025

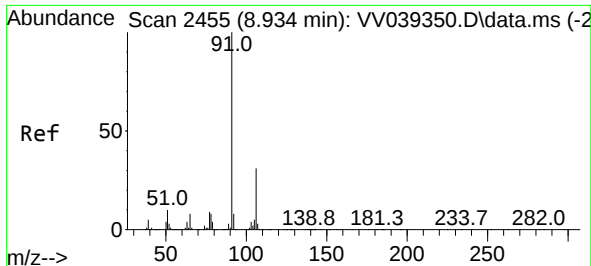


#66
1,1,1,2-Tetrachloroethane
Concen: 2.893 ug/l
RT: 8.902 min Scan# 2445
Delta R.T. 0.010 min
Lab File: VV039382.D
Acq: 13 Nov 2025 14:54



Tgt Ion:131 Resp: 23352
Ion Ratio Lower Upper
131 100
133 90.8 47.9 143.8
119 73.4 31.6 94.8





#67

Ethyl Benzene

Concen: 2.590 ug/l

RT: 8.944 min Scan# 2455

Delta R.T. 0.010 min

Lab File: VV039382.D

Acq: 13 Nov 2025 14:54

Instrument :

MSVOA_V

ClientSampleId :

MDL-WATER-03-QT4-2025

Tgt Ion: 91 Resp: 7246

Ion Ratio Lower Upper

91 100

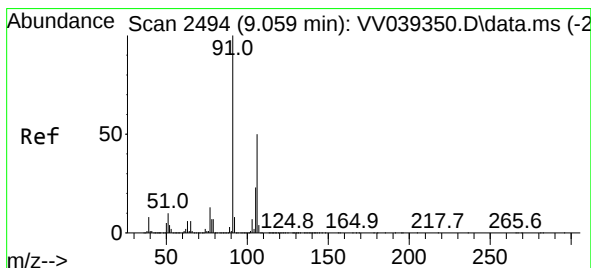
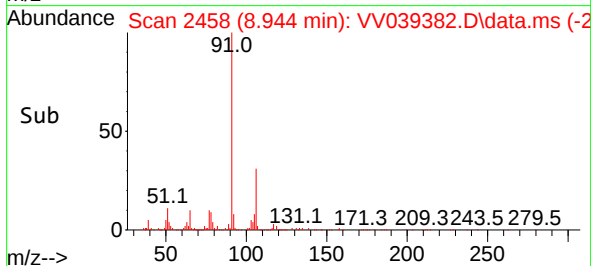
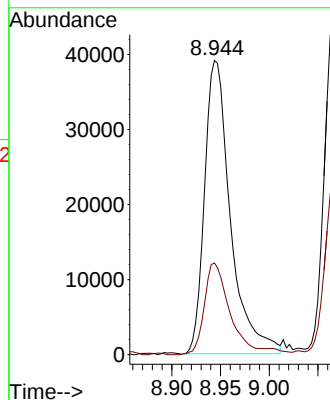
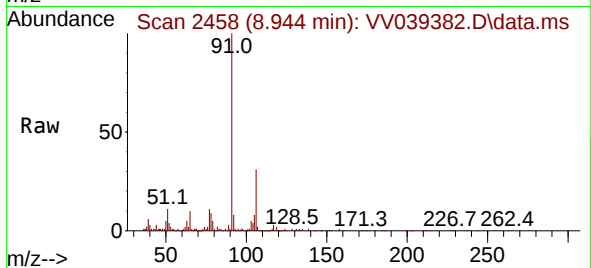
106 31.2 24.9 37.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/14/2025

Supervised By :Mahesh Dadoda 11/14/2025



#68

m/p-Xylenes

Concen: 4.661 ug/l

RT: 9.069 min Scan# 2497

Delta R.T. 0.010 min

Lab File: VV039382.D

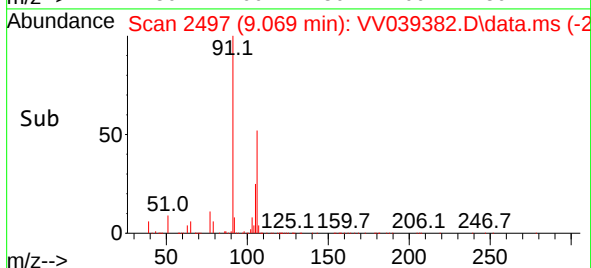
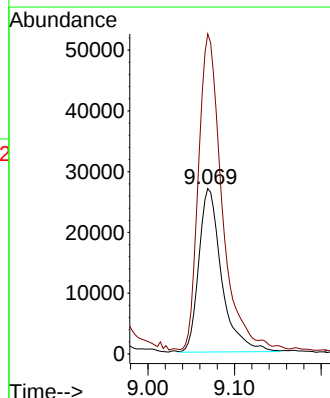
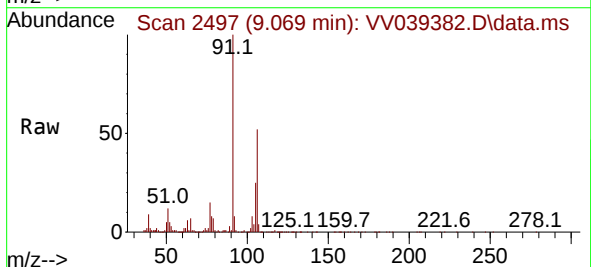
Acq: 13 Nov 2025 14:54

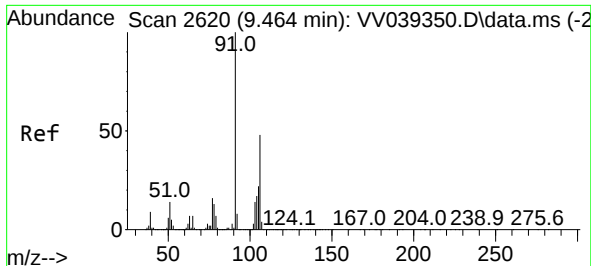
Tgt Ion:106 Resp: 49249

Ion Ratio Lower Upper

106 100

91 198.0 161.5 242.3





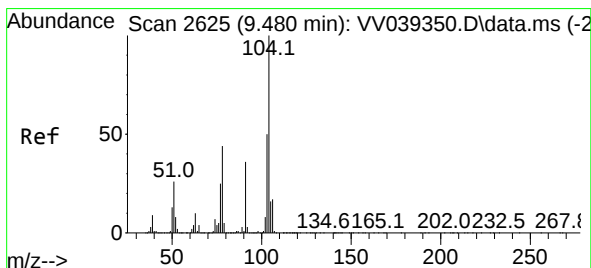
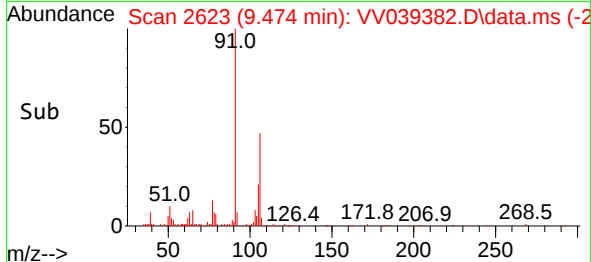
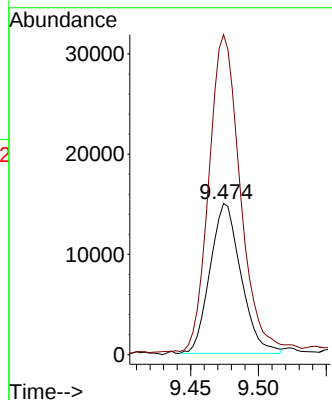
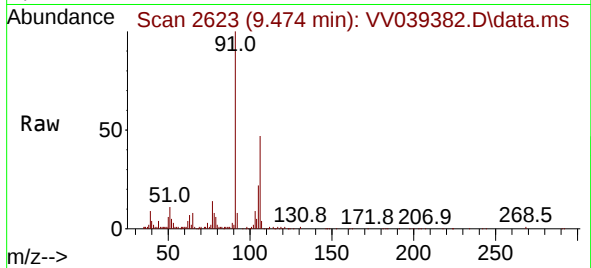
#69
o-Xylene
Concen: 2.379 ug/l
RT: 9.474 min Scan# 2623
Delta R.T. 0.010 min
Lab File: VV039382.D
Acq: 13 Nov 2025 14:54

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

Tgt Ion:106 Resp: 2378
Ion Ratio Lower Upper
106 100
91 216.6 105.9 317.7

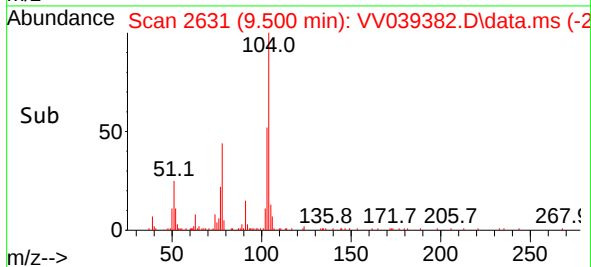
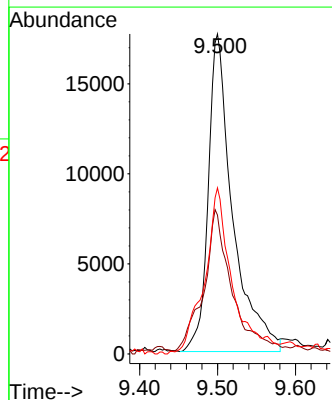
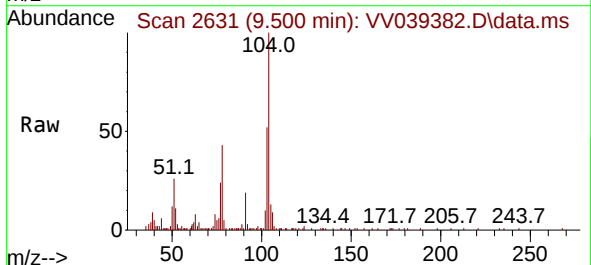
Manual Integrations
APPROVED

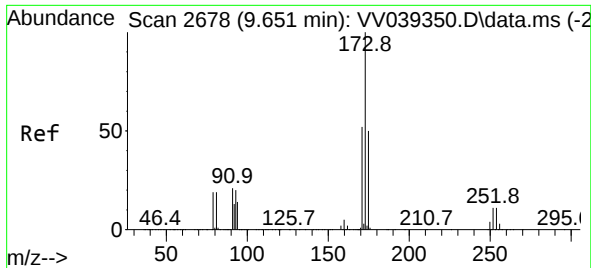
Reviewed By :John Carlone 11/14/2025
Supervised By :Mahesh Dadoda 11/14/2025



#70
Styrene
Concen: 2.154 ug/l
RT: 9.500 min Scan# 2631
Delta R.T. 0.019 min
Lab File: VV039382.D
Acq: 13 Nov 2025 14:54

Tgt Ion:104 Resp: 38501
Ion Ratio Lower Upper
104 100
78 50.7 39.0 58.4
103 57.3 43.4 65.2





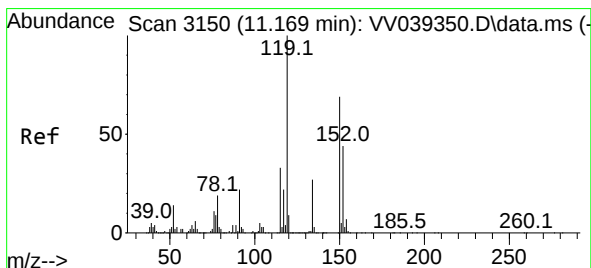
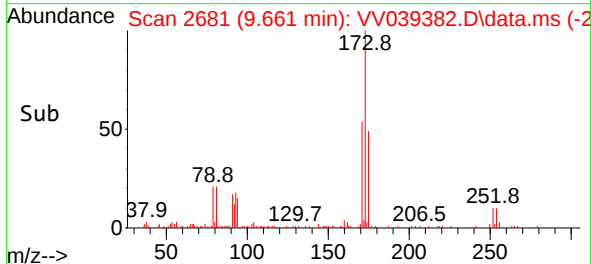
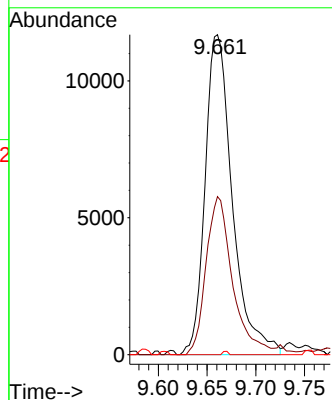
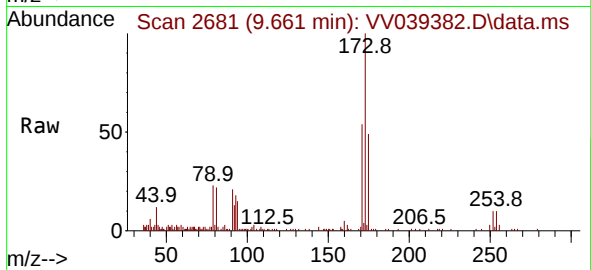
#71
Bromoform
Concen: 3.037 ug/l
RT: 9.661 min Scan# 20
Delta R.T. 0.010 min
Lab File: VV039382.D
Acq: 13 Nov 2025 14:54

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

Tgt Ion:173 Resp: 2275
Ion Ratio Lower Upper
173 100
175 47.8 24.5 73.5
254 0.2 0.1 0.1

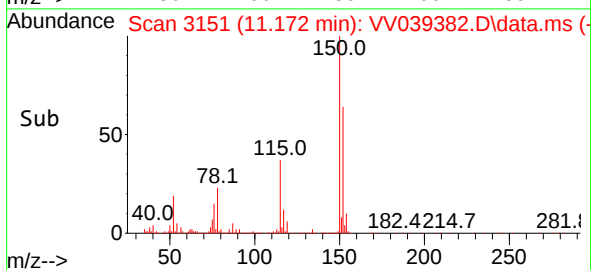
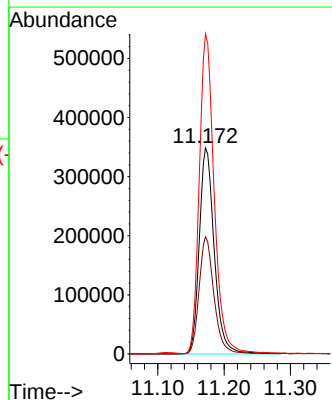
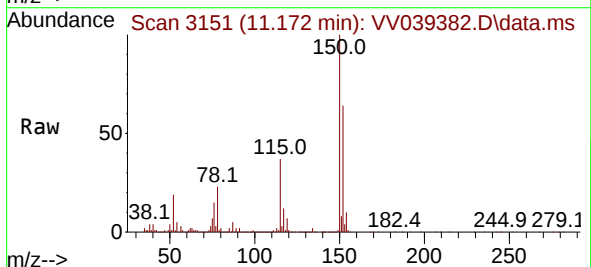
Manual Integrations
APPROVED

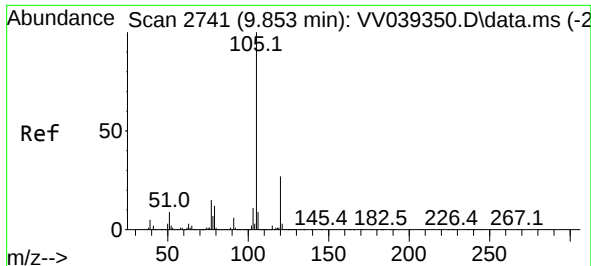
Reviewed By :John Carlone 11/14/2025
Supervised By :Mahesh Dadoda 11/14/2025



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.172 min Scan# 3151
Delta R.T. 0.003 min
Lab File: VV039382.D
Acq: 13 Nov 2025 14:54

Tgt Ion:152 Resp: 547559
Ion Ratio Lower Upper
152 100
115 56.4 37.3 111.9
150 154.4 0.0 340.4





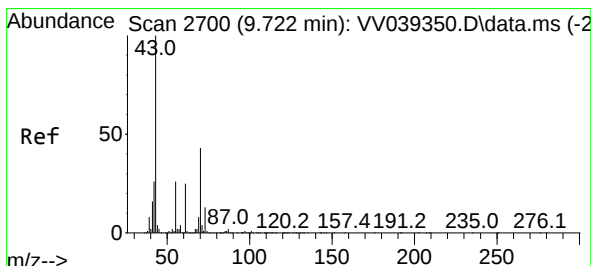
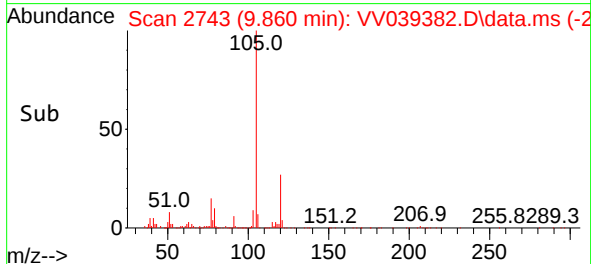
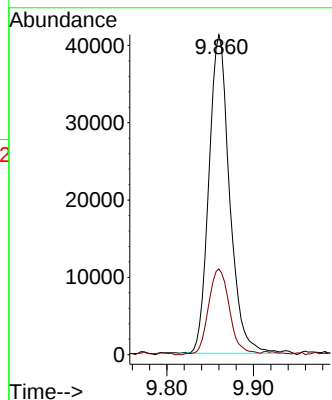
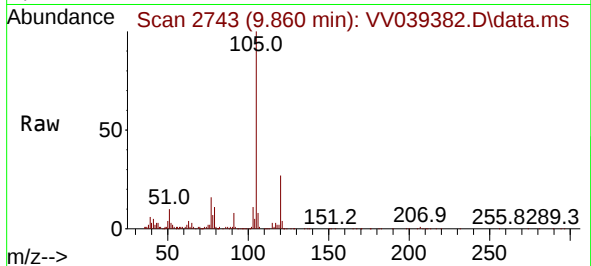
#73
Isopropylbenzene
Concen: 2.557 ug/l
RT: 9.860 min Scan# 21
Delta R.T. 0.007 min
Lab File: VV039382.D
Acq: 13 Nov 2025 14:54

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

Tgt Ion:105 Resp: 68370
Ion Ratio Lower Upper
105 100
120 27.5 13.4 40.1

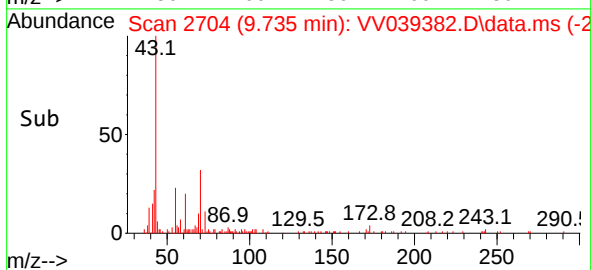
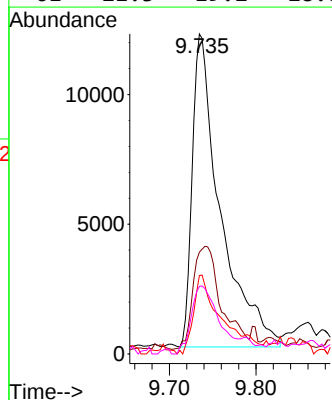
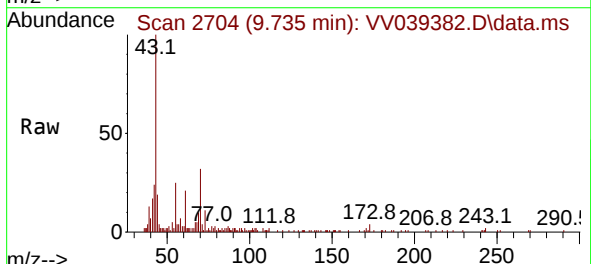
Manual Integrations
APPROVED

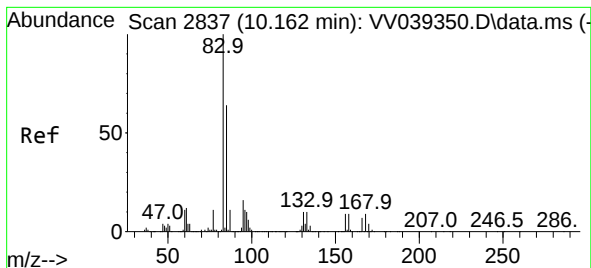
Reviewed By :John Carlone 11/14/2025
Supervised By :Mahesh Dadoda 11/14/2025



#74
N-ethyl acetate
Concen: 2.593 ug/l
RT: 9.735 min Scan# 2704
Delta R.T. 0.013 min
Lab File: VV039382.D
Acq: 13 Nov 2025 14:54

Tgt Ion: 43 Resp: 27167
Ion Ratio Lower Upper
43 100
70 32.9 34.6 51.8#
55 23.2 21.0 31.6
61 21.3 19.2 28.8





#75

1,1,2,2-Tetrachloroethane

Concen: 3.080 ug/l

RT: 10.172 min Scan# 2837

Delta R.T. 0.010 min

Lab File: VV039382.D

Acq: 13 Nov 2025 14:54

Instrument :

MSVOA_V

ClientSampleId :

MDL-WATER-03-QT4-2025

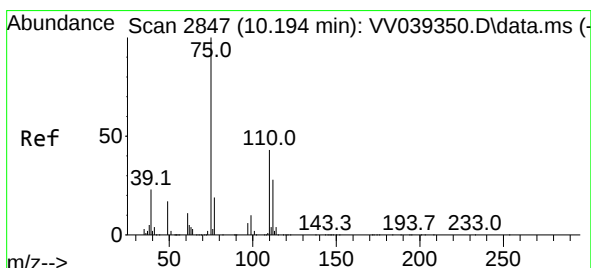
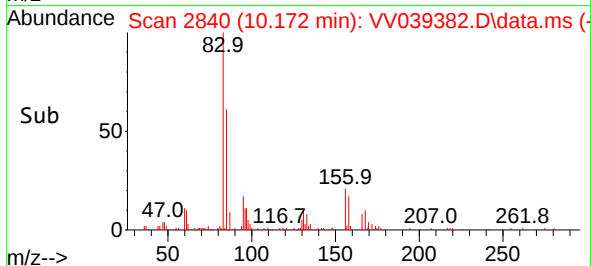
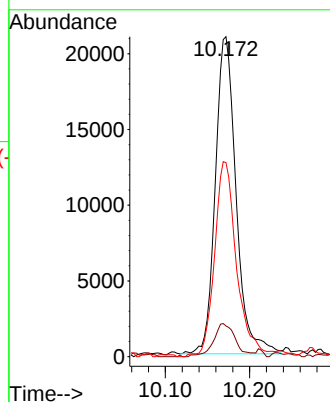
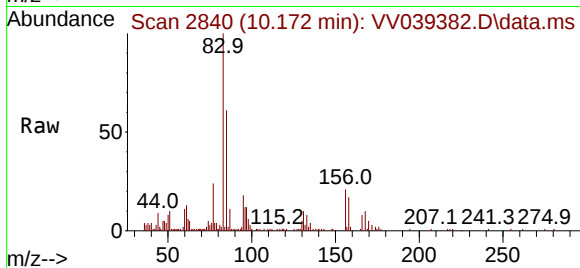
Tgt Ion:	83	Resp:	3586
Ion Ratio	Lower	Upper	
83	100		
131	10.9	5.4	16.2
85	65.2	32.0	96.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/14/2025

Supervised By :Mahesh Dadoda 11/14/2025



#76

1,2,3-Trichloropropane

Concen: 3.131 ug/l

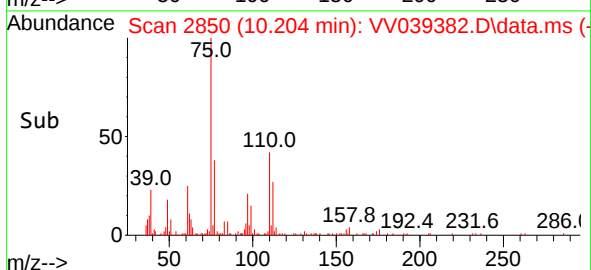
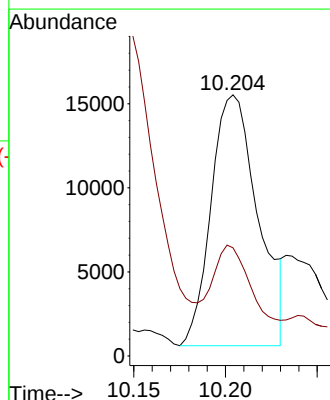
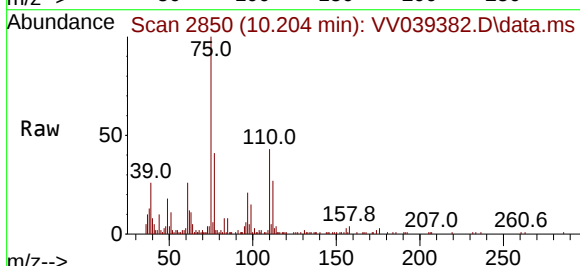
RT: 10.204 min Scan# 2850

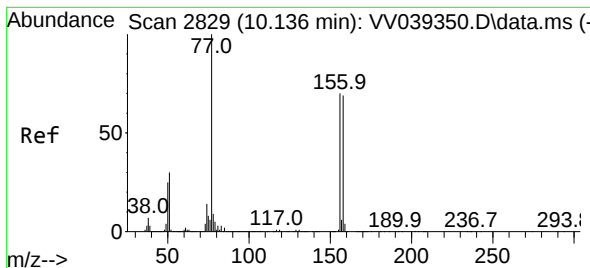
Delta R.T. 0.010 min

Lab File: VV039382.D

Acq: 13 Nov 2025 14:54

Tgt Ion:	75	Resp:	26610
Ion Ratio	Lower	Upper	
75	100		
77	24.6	11.8	35.3





#77

Bromobenzene

Concen: 3.006 ug/l

RT: 10.149 min Scan# 2833

Delta R.T. 0.013 min

Lab File: VV039382.D

Acq: 13 Nov 2025 14:54

Instrument :

MSVOA_V

ClientSampleId :

MDL-WATER-03-QT4-2025

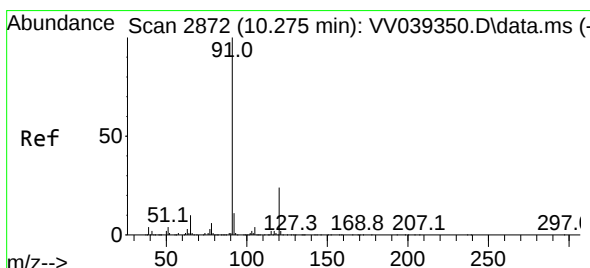
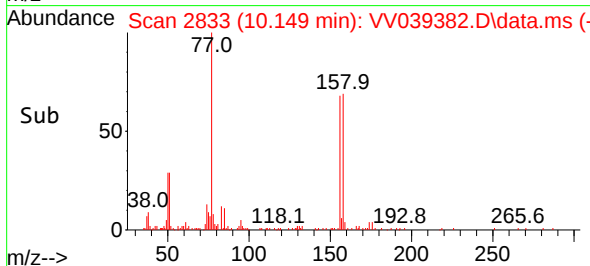
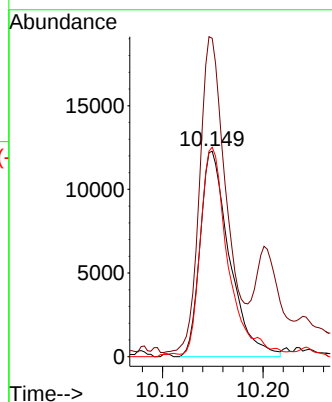
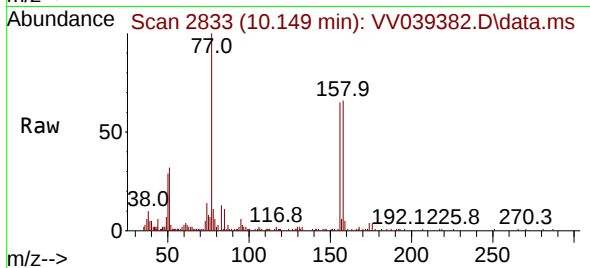
Tgt Ion:	156	Resp:	2480
Ion Ratio	Lower	Upper	
156	100		
77	139.1	70.3	210.9
158	95.0	49.4	148.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/14/2025

Supervised By :Mahesh Dadoda 11/14/2025



#78

n-propylbenzene

Concen: 2.719 ug/l

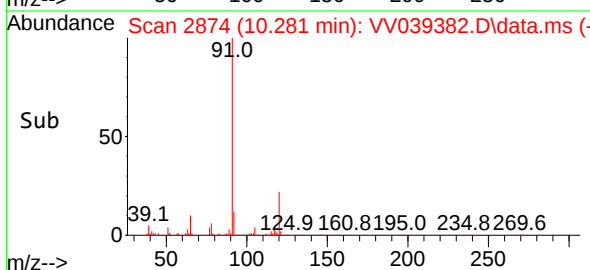
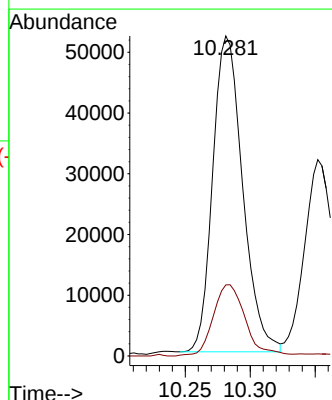
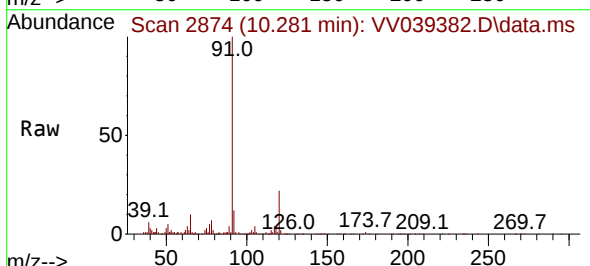
RT: 10.281 min Scan# 2874

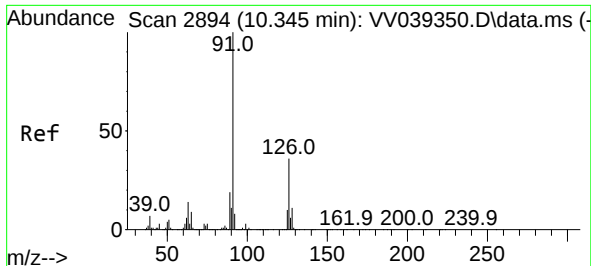
Delta R.T. 0.007 min

Lab File: VV039382.D

Acq: 13 Nov 2025 14:54

Tgt Ion:	91	Resp:	83270
Ion Ratio	Lower	Upper	
91	100		
120	24.1	12.0	36.0





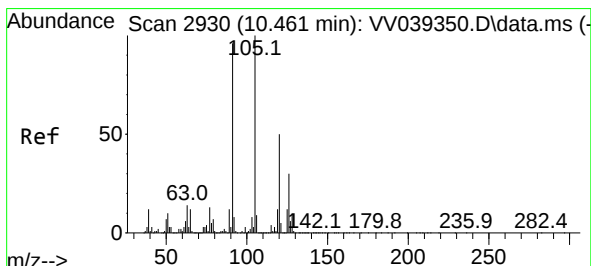
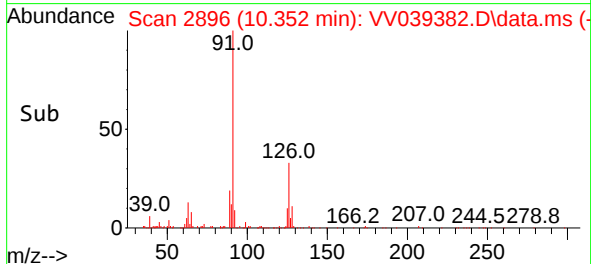
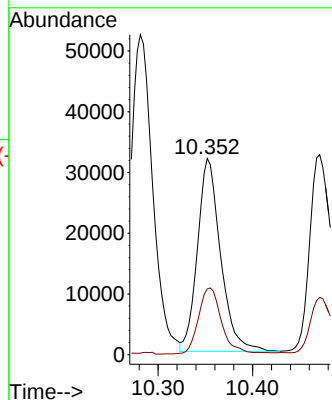
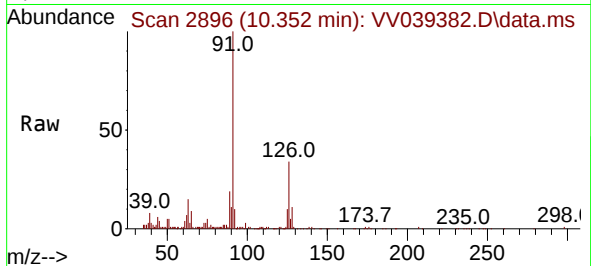
#79
2-Chlorotoluene
Concen: 2.753 ug/l
RT: 10.352 min Scan# 2896
Delta R.T. 0.007 min
Lab File: VV039382.D
Acq: 13 Nov 2025 14:54

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

Tgt Ion: 91 Resp: 5397
Ion Ratio Lower Upper
91 100
126 34.6 17.6 52.8

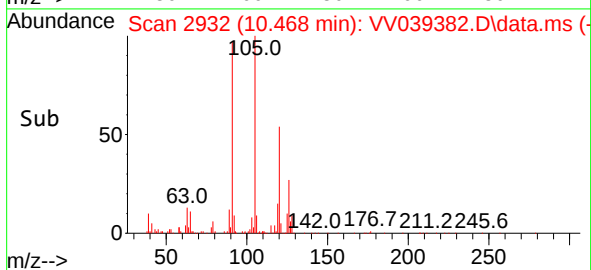
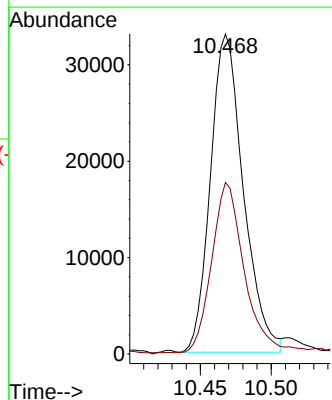
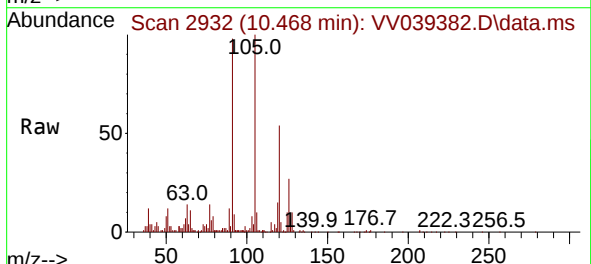
Manual Integrations
APPROVED

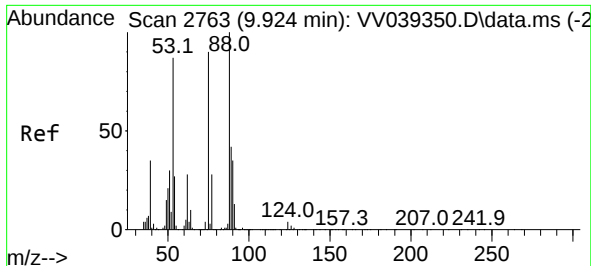
Reviewed By :John Carlone 11/14/2025
Supervised By :Mahesh Dadoda 11/14/2025



#80
1,3,5-Trimethylbenzene
Concen: 2.444 ug/l
RT: 10.468 min Scan# 2932
Delta R.T. 0.007 min
Lab File: VV039382.D
Acq: 13 Nov 2025 14:54

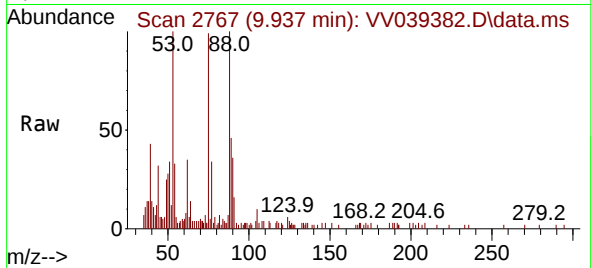
Tgt Ion:105 Resp: 53430
Ion Ratio Lower Upper
105 100
120 52.9 25.1 75.4





#81
trans-1,4-Dichloro-2-butene
Concen: 2.648 ug/l
RT: 9.937 min Scan# 21
Delta R.T. 0.013 min
Lab File: VV039382.D
Acq: 13 Nov 2025 14:54

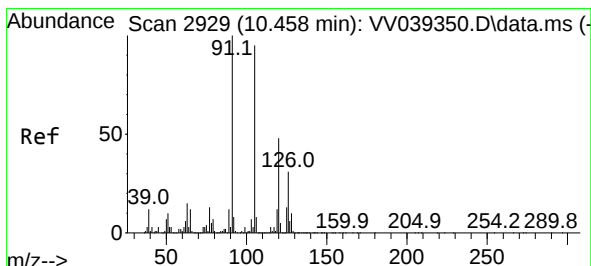
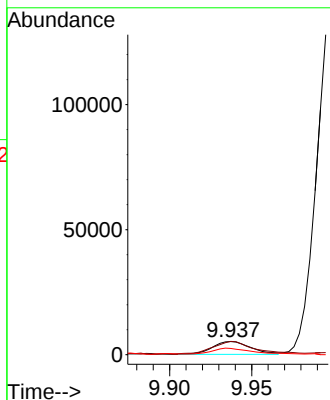
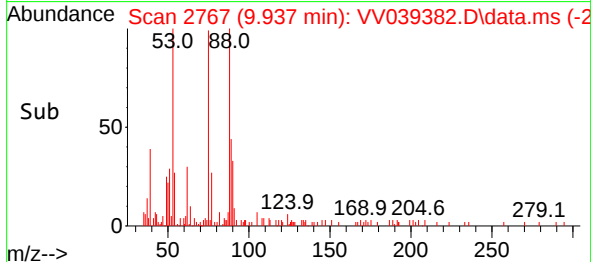
Instrument : MSVOA_V
ClientSampleId : MDL-WATER-03-QT4-2025



Tgt Ion: 75 Resp: 839
Ion Ratio Lower Upper
75 100
53 109.3 79.0 118.6
89 58.3 40.4 60.6

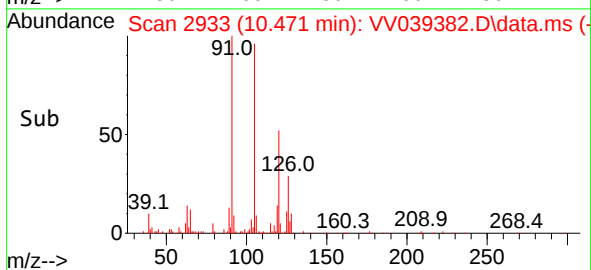
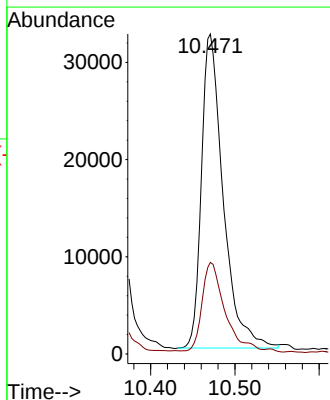
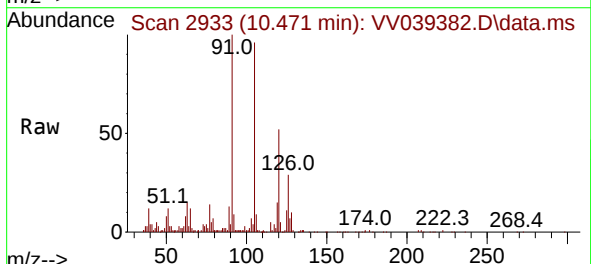
Manual Integrations
APPROVED

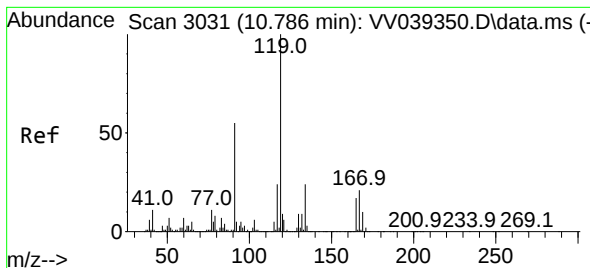
Reviewed By :John Carlone 11/14/2025
Supervised By :Mahesh Dadoda 11/14/2025



#82
4-Chlorotoluene
Concen: 2.649 ug/l
RT: 10.471 min Scan# 2933
Delta R.T. 0.013 min
Lab File: VV039382.D
Acq: 13 Nov 2025 14:54

Tgt Ion: 91 Resp: 58061
Ion Ratio Lower Upper
91 100
126 28.8 15.3 45.9





#83

tert-Butylbenzene

Concen: 2.693 ug/l

RT: 10.789 min Scan# 3031

Delta R.T. 0.003 min

Lab File: VV039382.D

Acq: 13 Nov 2025 14:54

Instrument :

MSVOA_V

ClientSampleId :

MDL-WATER-03-QT4-2025

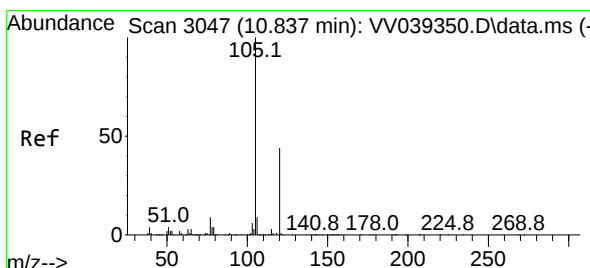
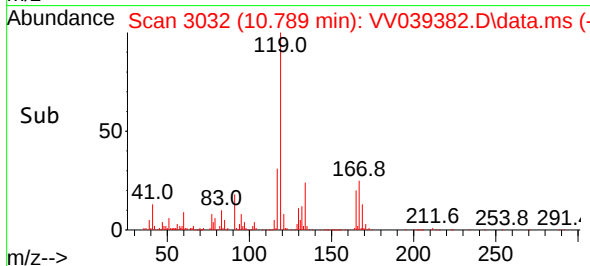
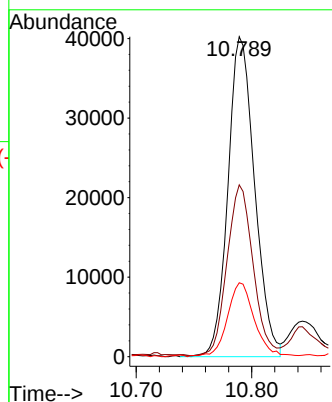
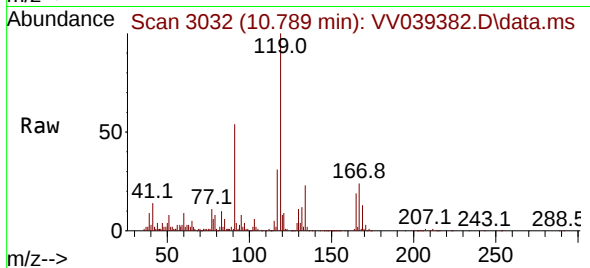
Tgt Ion:	119	Resp:	6471
Ion Ratio	Lower	Upper	
119	100		
91	51.7	26.5	79.5
134	23.4	11.9	35.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/14/2025

Supervised By :Mahesh Dadoda 11/14/2025



#84

1,2,4-Trimethylbenzene

Concen: 2.384 ug/l

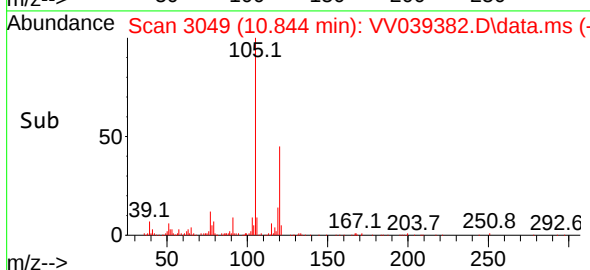
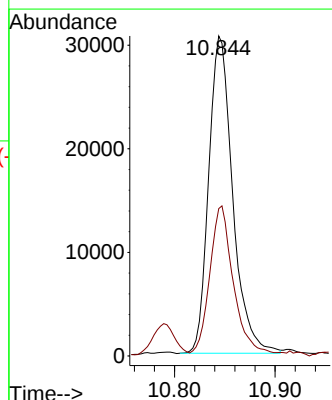
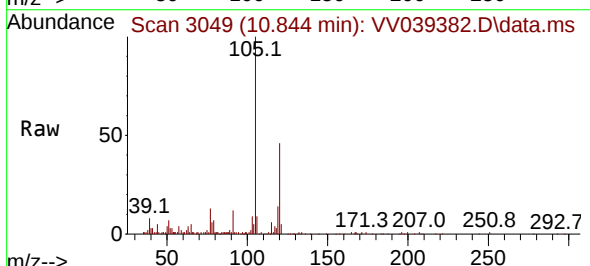
RT: 10.844 min Scan# 3049

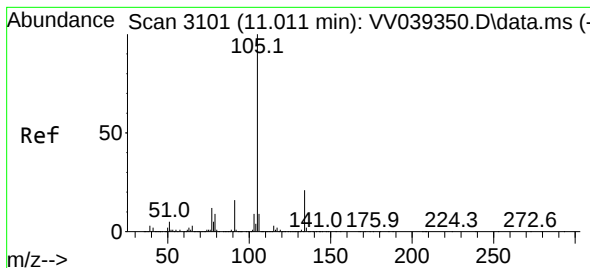
Delta R.T. 0.007 min

Lab File: VV039382.D

Acq: 13 Nov 2025 14:54

Tgt Ion:	105	Resp:	50768
Ion Ratio	Lower	Upper	
105	100		
120	45.3	23.0	69.0





#85

sec-Butylbenzene

Concen: 2.555 ug/l

RT: 11.014 min Scan# 3101

Delta R.T. 0.003 min

Lab File: VV039382.D

Acq: 13 Nov 2025 14:54

Instrument :

MSVOA_V

ClientSampleId :

MDL-WATER-03-QT4-2025

Tgt Ion:105 Resp: 72799

Ion Ratio Lower Upper

105 100

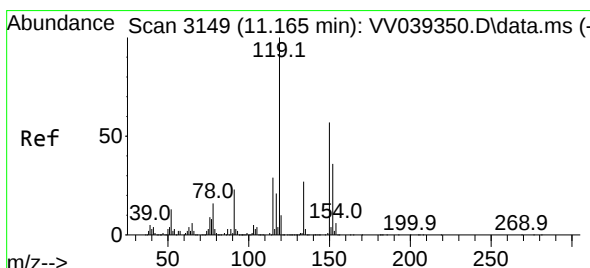
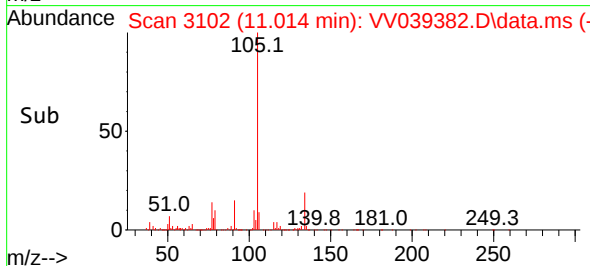
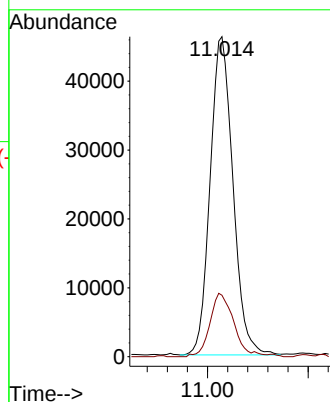
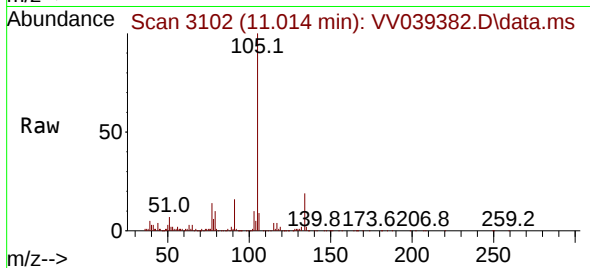
134 20.8 10.5 31.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/14/2025

Supervised By :Mahesh Dadoda 11/14/2025



#86

p-Isopropyltoluene

Concen: 2.496 ug/l

RT: 11.169 min Scan# 3150

Delta R.T. 0.003 min

Lab File: VV039382.D

Acq: 13 Nov 2025 14:54

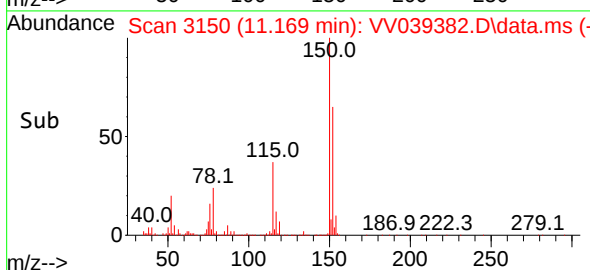
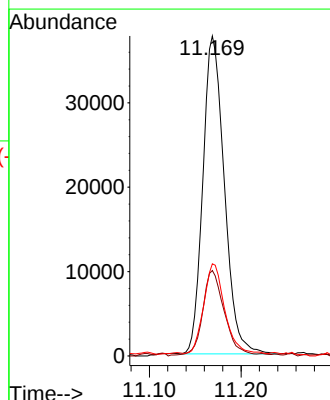
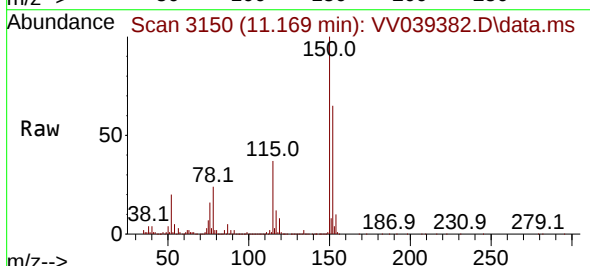
Tgt Ion:119 Resp: 61366

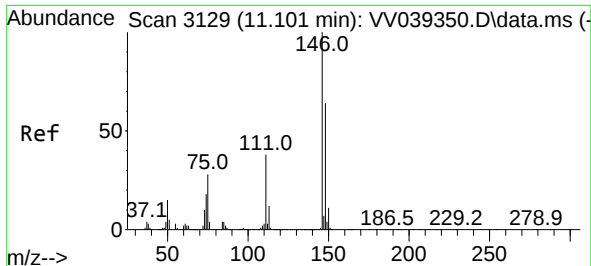
Ion Ratio Lower Upper

119 100

134 26.2 13.4 40.2

91 27.3 11.5 34.4





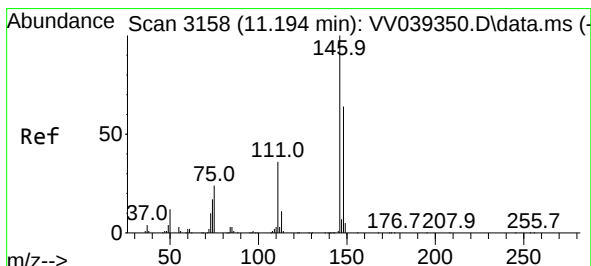
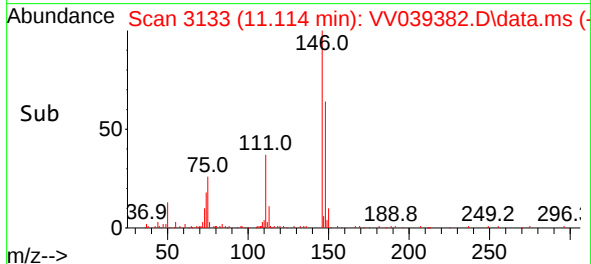
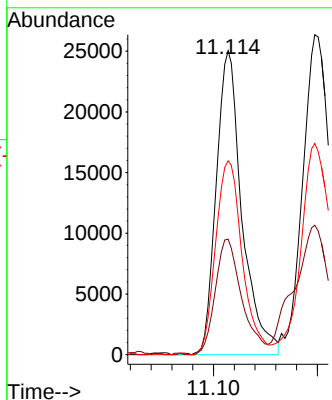
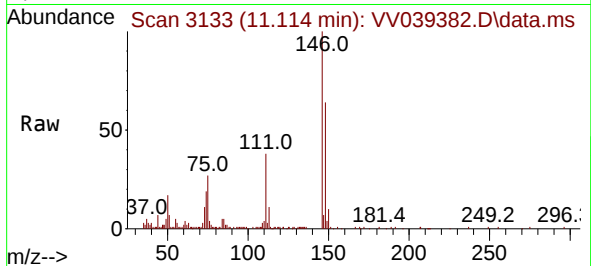
#87
1,3-Dichlorobenzene
Concen: 2.723 ug/l
RT: 11.114 min Scan# 3113
Delta R.T. 0.013 min
Lab File: VV039382.D
Acq: 13 Nov 2025 14:54

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

Tgt Ion:146 Resp: 43109
Ion Ratio Lower Upper
146 100
111 39.3 18.8 56.4
148 66.1 31.9 95.5

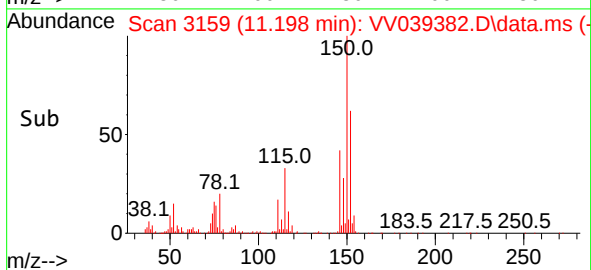
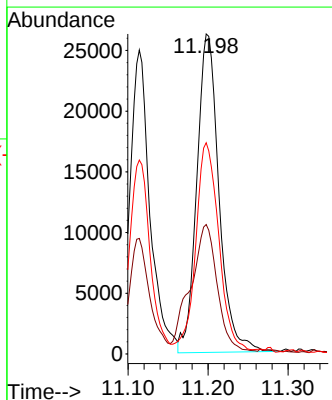
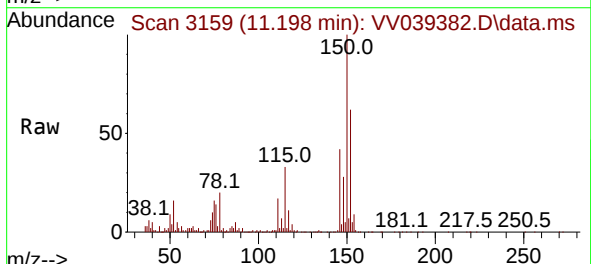
Manual Integrations
APPROVED

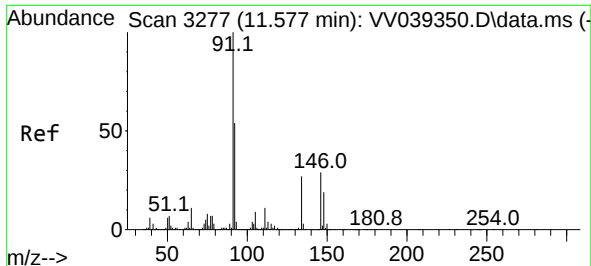
Reviewed By :John Carlone 11/14/2025
Supervised By :Mahesh Dadoda 11/14/2025



#88
1,4-Dichlorobenzene
Concen: 2.943 ug/l
RT: 11.198 min Scan# 3159
Delta R.T. 0.003 min
Lab File: VV039382.D
Acq: 13 Nov 2025 14:54

Tgt Ion:146 Resp: 50792
Ion Ratio Lower Upper
146 100
111 48.2 18.6 55.8
148 67.5 32.0 96.2





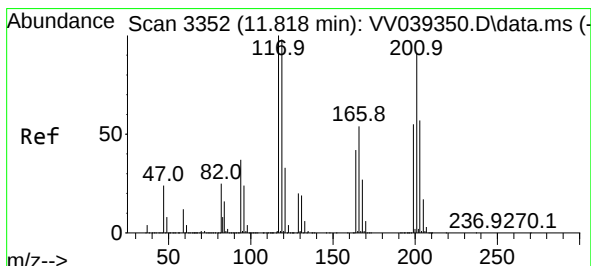
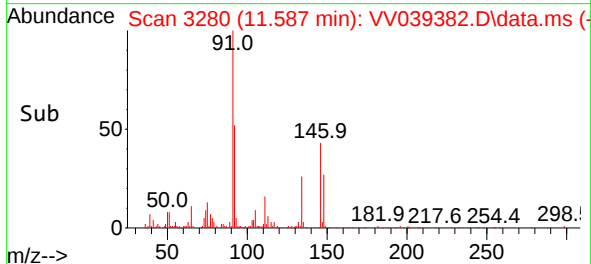
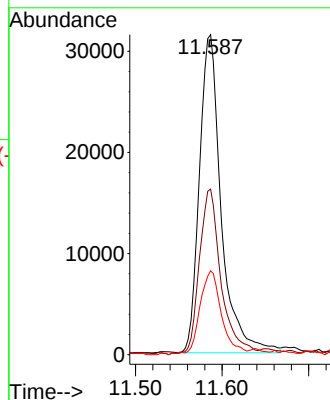
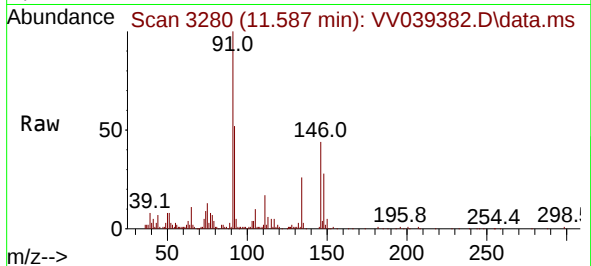
#89
n-Butylbenzene
Concen: 2.513 ug/l
RT: 11.587 min Scan# 31
Delta R.T. 0.010 min
Lab File: VV039382.D
Acq: 13 Nov 2025 14:54

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

Tgt Ion: 91 Resp: 5508
Ion Ratio Lower Upper
91 100
92 51.8 26.9 80.7
134 26.0 13.5 40.5

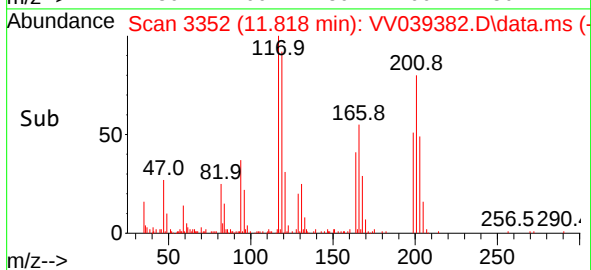
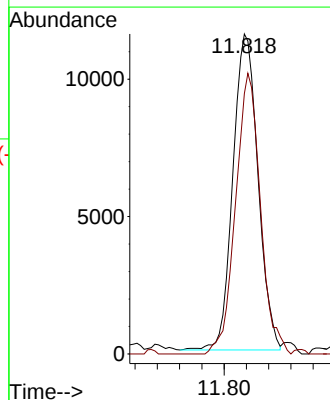
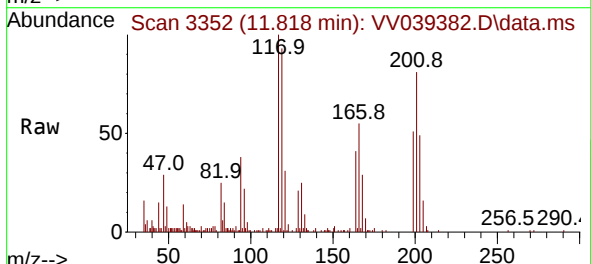
Manual Integrations
APPROVED

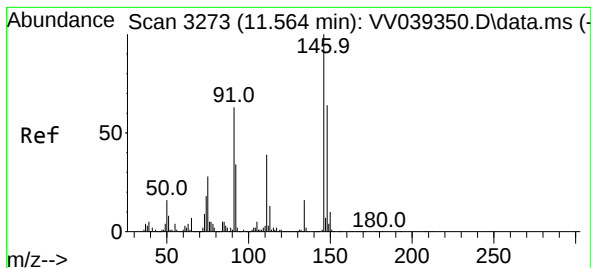
Reviewed By :John Carlone 11/14/2025
Supervised By :Mahesh Dadoda 11/14/2025



#90
Hexachloroethane
Concen: 2.936 ug/l
RT: 11.818 min Scan# 3352
Delta R.T. 0.000 min
Lab File: VV039382.D
Acq: 13 Nov 2025 14:54

Tgt Ion:117 Resp: 17992
Ion Ratio Lower Upper
117 100
201 87.9 45.3 135.8





#91

1,2-Dichlorobenzene

Concen: 2.690 ug/l

RT: 11.574 min Scan# 31

Delta R.T. 0.010 min

Lab File: VV039382.D

Acq: 13 Nov 2025 14:54

Instrument :

MSVOA_V

ClientSampleId :

MDL-WATER-03-QT4-2025

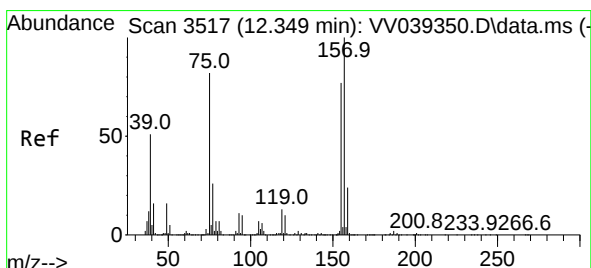
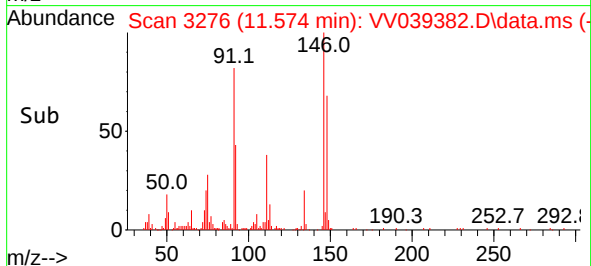
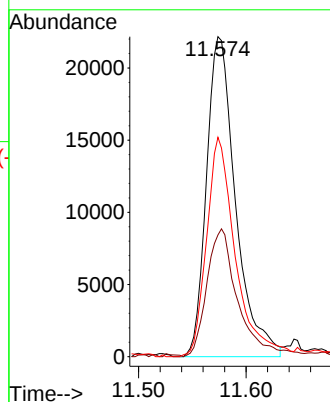
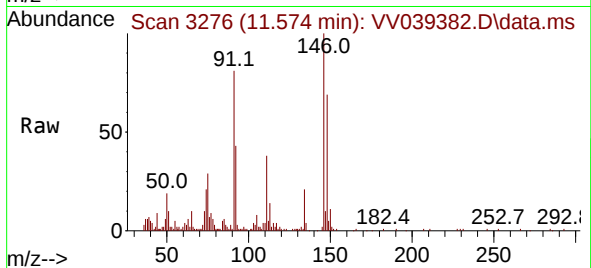
Tgt Ion:146 Resp: 4167
 Ion Ratio Lower Upper
 146 100
 111 42.8 19.5 58.5
 148 68.1 32.0 96.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/14/2025

Supervised By :Mahesh Dadoda 11/14/2025



#92

1,2-Dibromo-3-Chloropropane

Concen: 3.131 ug/l

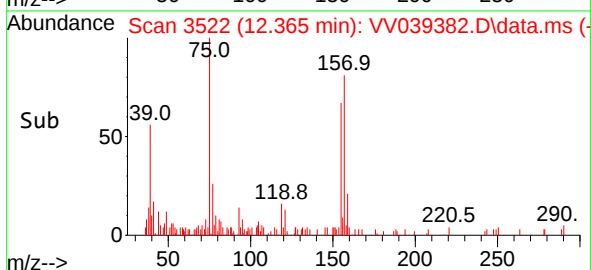
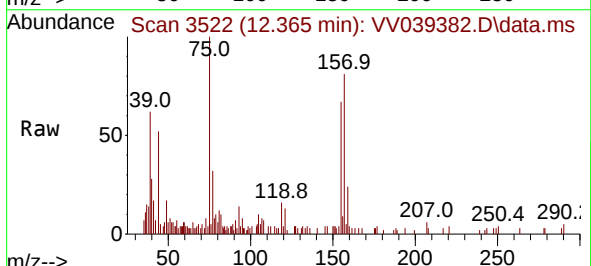
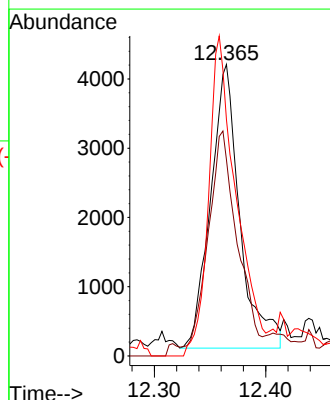
RT: 12.365 min Scan# 3522

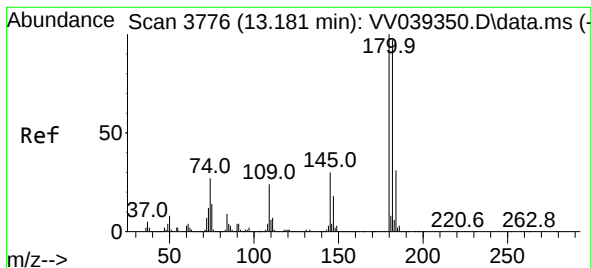
Delta R.T. 0.016 min

Lab File: VV039382.D

Acq: 13 Nov 2025 14:54

Tgt Ion: 75 Resp: 7497
 Ion Ratio Lower Upper
 75 100
 155 75.3 47.0 141.2
 157 106.0 61.3 183.9





#93

1,2,4-Trichlorobenzene

Concen: 2.677 ug/l

RT: 13.194 min Scan# 31

Delta R.T. 0.013 min

Lab File: VV039382.D

Acq: 13 Nov 2025 14:54

Instrument :

MSVOA_V

ClientSampleId :

MDL-WATER-03-QT4-2025

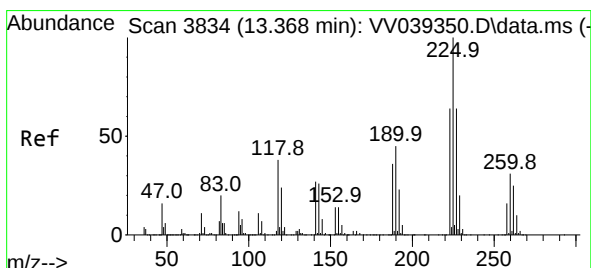
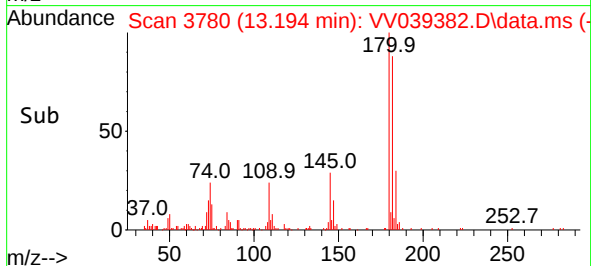
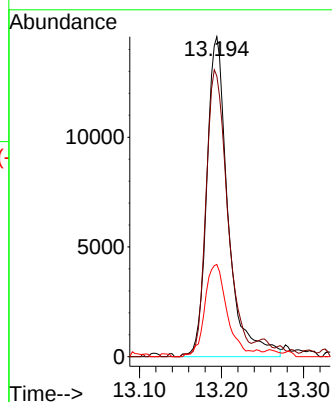
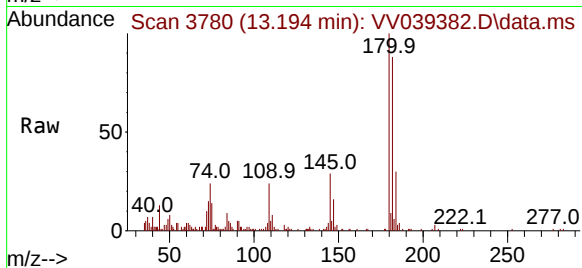
Tgt Ion:	180	Resp:	26308
Ion Ratio	Lower	Upper	
180	100		
182	90.2	48.5	145.5
145	30.3	14.6	43.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/14/2025

Supervised By :Mahesh Dadoda 11/14/2025



#94

Hexachlorobutadiene

Concen: 3.222 ug/l

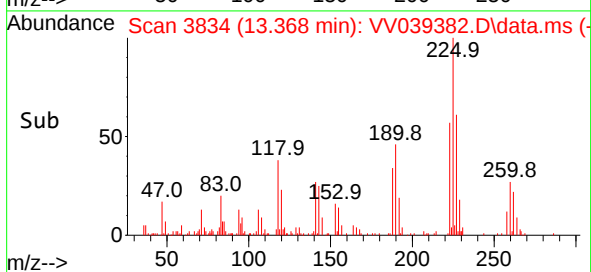
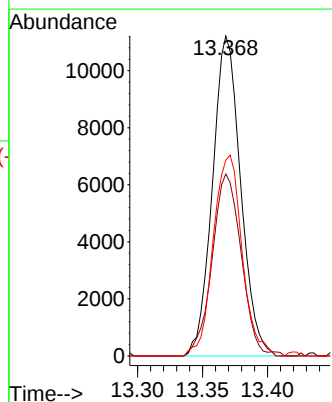
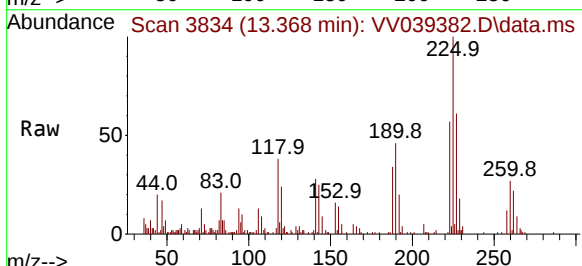
RT: 13.368 min Scan# 3834

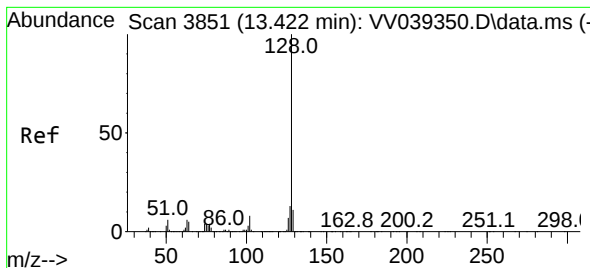
Delta R.T. 0.000 min

Lab File: VV039382.D

Acq: 13 Nov 2025 14:54

Tgt Ion:	225	Resp:	16892
Ion Ratio	Lower	Upper	
225	100		
223	58.8	31.1	93.5
227	64.2	31.7	95.1





#95

Naphthalene

Concen: 2.329 ug/l

RT: 13.432 min Scan# 3854

Delta R.T. 0.010 min

Lab File: VV039382.D

Acq: 13 Nov 2025 14:54

Instrument :

MSVOA_V

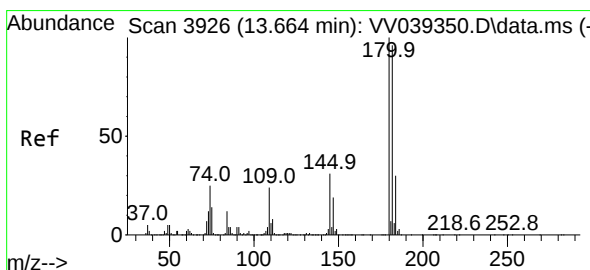
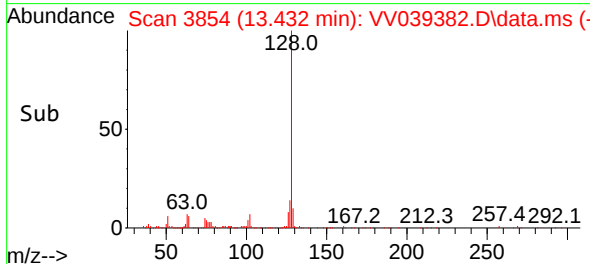
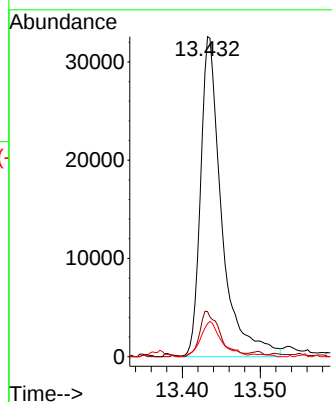
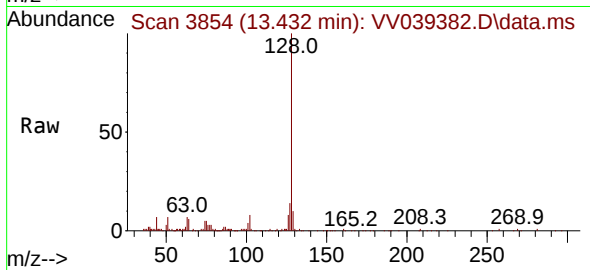
ClientSampleId :

MDL-WATER-03-QT4-2025

Tgt Ion:128	Resp: 61330
Ion Ratio	Lower Upper
128 100	
127 13.7	10.4 15.6
129 10.9	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: 2.572 ug/l

RT: 13.670 min Scan# 3928

Delta R.T. 0.007 min

Lab File: VV039382.D

Acq: 13 Nov 2025 14:54

Tgt Ion:180	Resp: 26078
Ion Ratio	Lower Upper
180 100	
182 92.2	47.9 143.6
145 31.5	15.3 45.9

