

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV111225\
 Data File : VV039368.D
 Acq On : 12 Nov 2025 11:57
 Operator : SY/MD
 Sample : Q3530-07
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 LOD-MDL-WATER-01-QT4-2025

Quant Time: Nov 14 00:20:01 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V111125W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 14 00:16:53 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	4.596	168	780738	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	5.529	114	1179331	50.000	ug/l	0.00
63) Chlorobenzene-d5	8.773	117	1104163	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.172	152	580724	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.934	65	529508	54.975	ug/l	0.00
Spiked Amount	50.000	Range	81 - 118	Recovery	= 109.940%	
35) Dibromofluoromethane	4.497	113	454813	50.281	ug/l	0.00
Spiked Amount	50.000	Range	80 - 119	Recovery	= 100.560%	
50) Toluene-d8	7.233	98	1328332	44.439	ug/l	0.00
Spiked Amount	50.000	Range	89 - 112	Recovery	= 88.880%#	
62) 4-Bromofluorobenzene	9.998	95	480875	41.868	ug/l	0.00
Spiked Amount	50.000	Range	85 - 114	Recovery	= 83.740%#	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.118	85	2239	0.480	ug/l	94
3) Chloromethane	1.230	50	1570	0.361	ug/l	94
4) Vinyl Chloride	1.298	62	1634	0.304	ug/l #	1
5) Bromomethane	1.507	94	2691	0.842	ug/l #	66
6) Chloroethane	1.655	64	1180	0.298	ug/l #	72
7) Trichlorofluoromethane	1.725	101	3503	0.321	ug/l #	79
9) 1,1,2-Trichlorotrifluo...	2.082	101	2654	0.369	ug/l #	72
10) Methyl Iodide	2.201	142	4910	1.110	ug/l	94
11) Tert butyl alcohol	2.564	59	1293	1.253	ug/l #	73
12) 1,1-Dichloroethene	2.082	96	1831	0.322	ug/l #	76
13) Acrolein	2.027	56	552	5.702	ug/l #	47
14) Allyl chloride	2.362	41	2605	0.257	ug/l #	67
16) Acetone	2.121	43	12069	2.368	ug/l	94
17) Carbon Disulfide	2.256	76	4698	0.523	ug/l	100
19) Methyl tert-butyl Ether	2.712	73	6594	0.309	ug/l	94
20) Methylene Chloride	2.458	84	3649	0.464	ug/l #	81
21) trans-1,2-Dichloroethene	2.716	96	1528	0.271	ug/l	86
23) Vinyl Acetate	3.265	43	8562	0.551	ug/l #	88
24) 1,1-Dichloroethane	3.134	63	3843	0.287	ug/l #	69
29) Tetrahydrofuran	4.227	42	1004	0.337	ug/l #	54
31) Cyclohexane	4.593	56	16671	1.991	ug/l #	25
32) 1,1,1-Trichloroethane	4.513	97	2886	0.234	ug/l #	40
36) 1,1-Dichloropropene	4.593	75	53342	6.847	ug/l #	49
38) Carbon Tetrachloride	4.593	117	69897	6.040	ug/l #	17
39) Methylcyclohexane	6.050	83	2169	0.261	ug/l #	79
44) Trichloroethene	5.847	130	2804	0.379	ug/l	52
49) 1,4-Dioxane	6.294	88	318	2.780	ug/l #	1
51) 4-Methyl-2-Pentanone	7.166	43	10869	0.997	ug/l #	87
52) Toluene	7.323	92	4946	0.290	ug/l	85
55) 1,1,2-Trichloroethane	7.786	97	2281	0.264	ug/l #	74
57) 1,3-Dichloropropane	7.960	76	3686	0.277	ug/l	94
60) Dibromochloromethane	8.178	129	3429	0.310	ug/l	90
65) Chlorobenzene	8.809	112	7483	0.340	ug/l #	82
66) 1,1,1,2-Tetrachloroethane	8.902	131	2760	0.301	ug/l #	53
67) Ethyl Benzene	8.953	91	7904	0.249	ug/l	95
68) m/p-Xylenes	9.082	106	6457	0.538	ug/l #	60

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 ALS Vial : 7 Sample Multiplier: 1

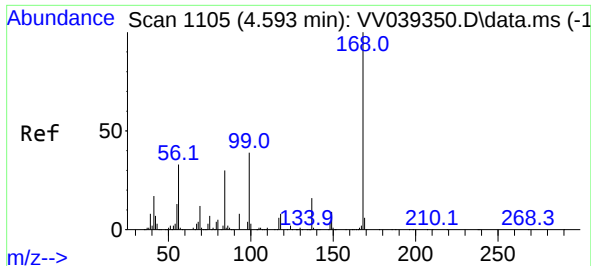
Instrument :
 MSVOA_V
 ClientSampleId :
 LOD-MDL-WATER-01-QT4-2025

Quant Time: Nov 14 00:20:01 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V111125W.M
 Quant Title : SW846 8260
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 Response via : Initial Calibration

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

69) o-Xylene	9.490	106	2777	0.244	ug/l	84
71) Bromoform	9.670	173	3390	0.398	ug/l #	89
73) Isopropylbenzene	9.866	105	7352	0.259	ug/l	93
75) 1,1,2,2-Tetrachloroethane	10.181	83	2946	0.239	ug/l #	70
76) 1,2,3-Trichloropropane	9.998	75	237774	26.379	ug/l #	54
77) Bromobenzene	10.149	156	2951	0.337	ug/l	97
78) n-propylbenzene	10.291	91	8813	0.271	ug/l	94
79) 2-Chlorotoluene	10.358	91	5353	0.257	ug/l	92
80) 1,3,5-Trimethylbenzene	10.471	105	6749	0.291	ug/l	99
81) trans-1,4-Dichloro-2-b...	9.998	75	237774	70.713	ug/l #	10
82) 4-Chlorotoluene	10.484	91	5956	0.256	ug/l	92
83) tert-Butylbenzene	10.792	119	7012	0.275	ug/l	85
84) 1,2,4-Trimethylbenzene	10.847	105	6678	0.296	ug/l	88
85) sec-Butylbenzene	11.017	105	7836	0.259	ug/l	89
86) p-Isopropyltoluene	11.169	119	8521	0.327	ug/l	81
87) 1,3-Dichlorobenzene	11.117	146	5705	0.340	ug/l	81
88) 1,4-Dichlorobenzene	11.117	146	5705	0.312	ug/l	81
89) n-Butylbenzene	11.590	91	7435	0.320	ug/l	91
90) Hexachloroethane	11.818	117	2547	0.392	ug/l	95
91) 1,2-Dichlorobenzene	11.583	146	4869	0.296	ug/l	92
93) 1,2,4-Trichlorobenzene	13.201	180	3461	0.332	ug/l	94
94) Hexachlorobutadiene	13.368	225	4095	0.737	ug/l	100
95) Naphthalene	13.451	128	7538	0.270	ug/l #	92
96) 1,2,3-Trichlorobenzene	13.683	180	3591	0.334	ug/l #	89

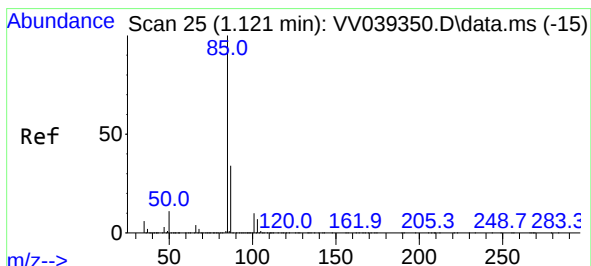
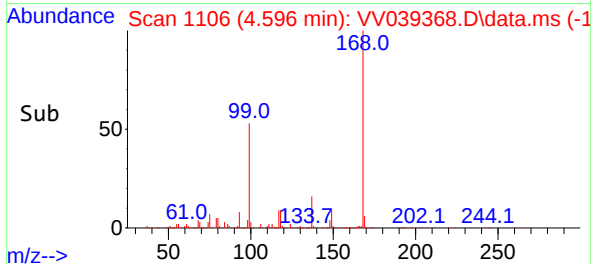
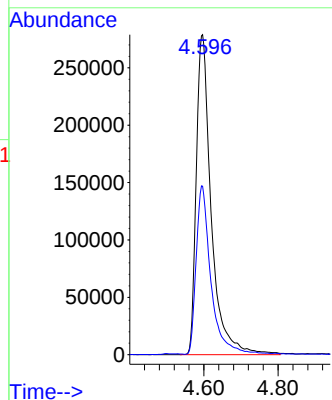
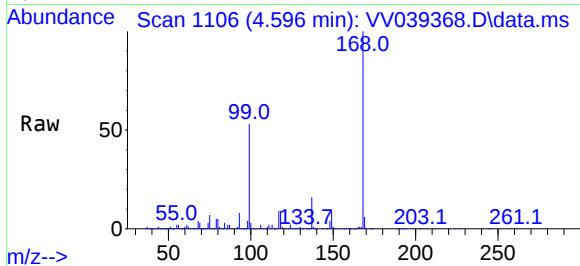
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 4.596 min Scan# 11
Delta R.T. 0.003 min
Lab File: VV039368.D
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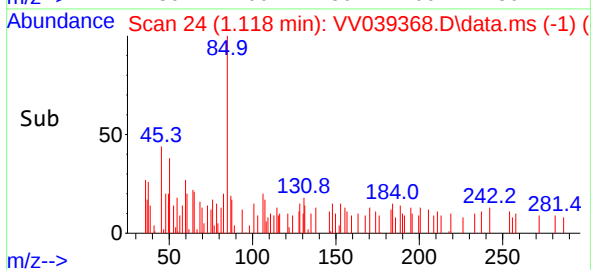
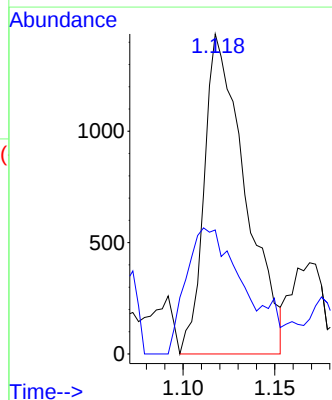
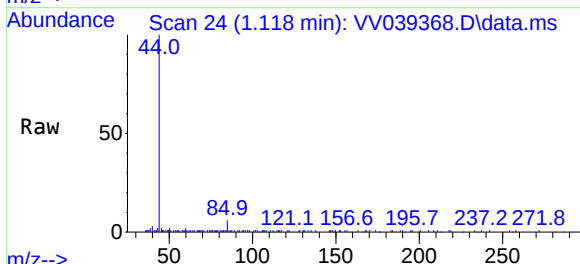
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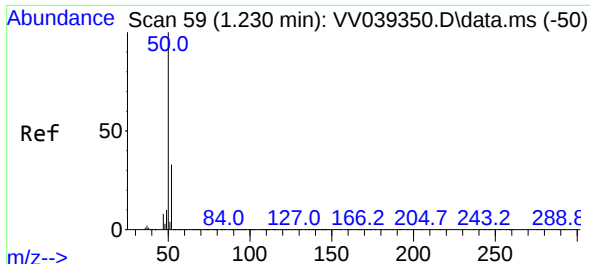
Tgt Ion:168 Resp: 780738
Ion Ratio Lower Upper
168 100
99 52.4 41.2 61.8



#2
Dichlorodifluoromethane
Concen: 0.480 ug/l
RT: 1.118 min Scan# 24
Delta R.T. -0.003 min
Lab File: VV039368.D
Acq: 12 Nov 2025 11:57

Tgt Ion: 85 Resp: 2239
Ion Ratio Lower Upper
85 100
87 30.5 16.9 50.7

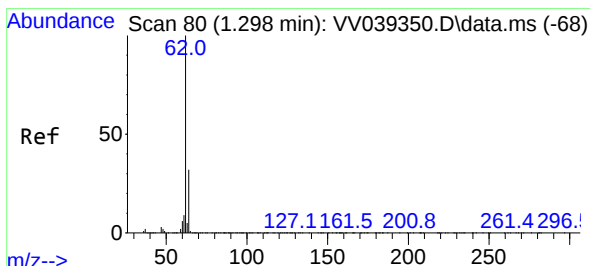
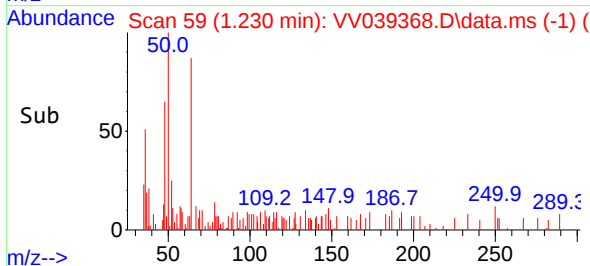
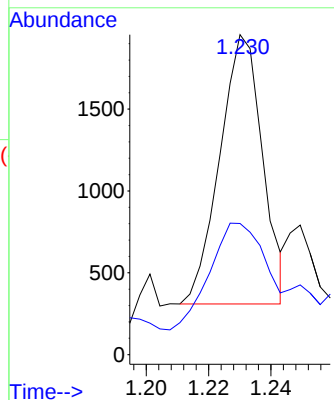
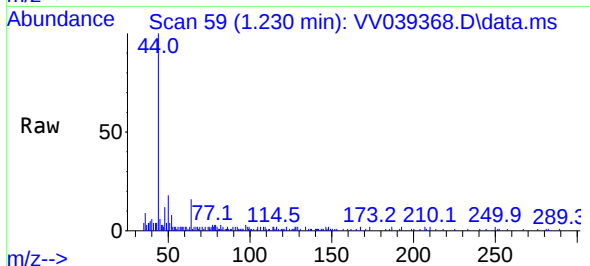




#3
Chloromethane
Concen: 0.361 ug/l
RT: 1.230 min Scan# 59
Delta R.T. 0.000 min
Lab File: VV039368.D
Acq: 12 Nov 2025 11:57

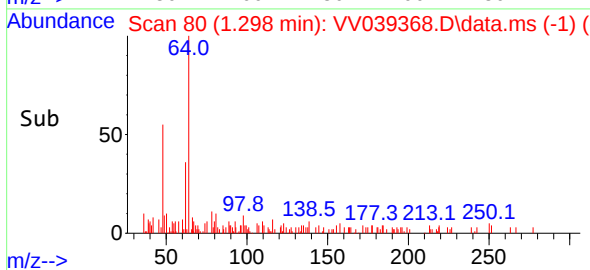
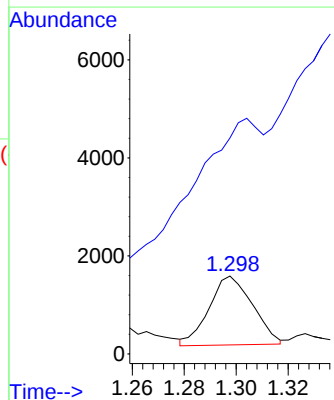
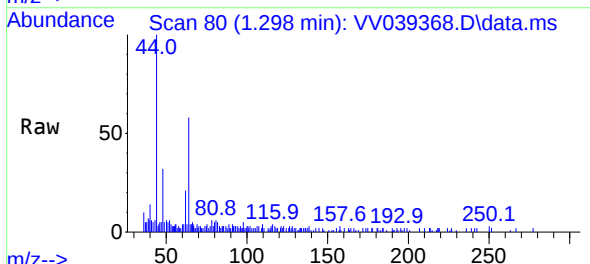
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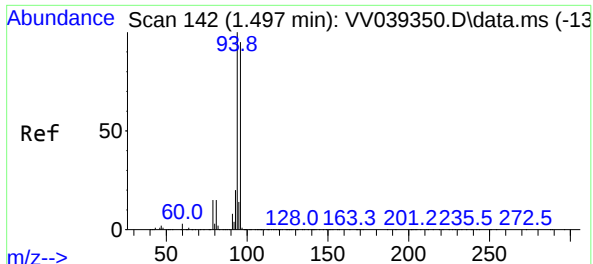
Tgt Ion: 50 Resp: 1570
Ion Ratio Lower Upper
50 100
52 36.8 26.6 39.8



#4
Vinyl Chloride
Concen: 0.304 ug/l
RT: 1.298 min Scan# 80
Delta R.T. 0.000 min
Lab File: VV039368.D
Acq: 12 Nov 2025 11:57

Tgt Ion: 62 Resp: 1634
Ion Ratio Lower Upper
62 100
64 100.5 25.3 37.9

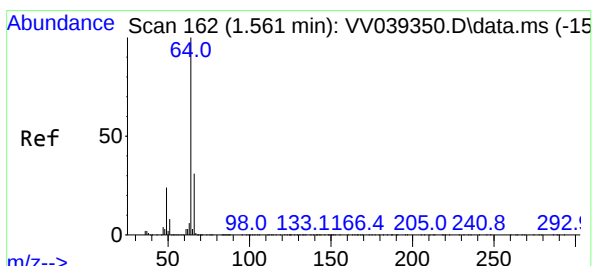
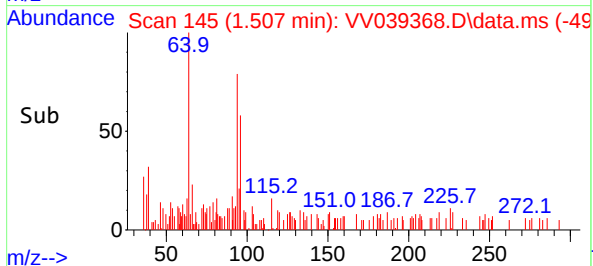
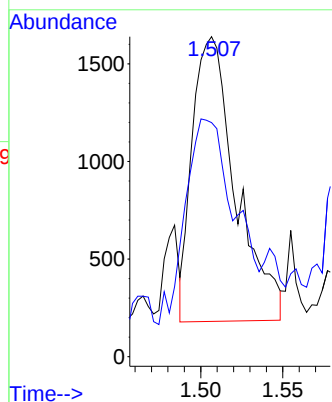
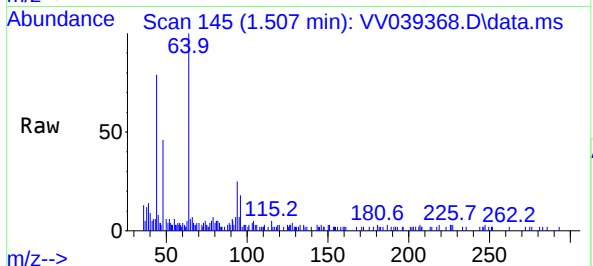




#5
Bromomethane
Concen: 0.842 ug/l
RT: 1.507 min Scan# 14
Delta R.T. 0.010 min
Lab File: VV039368.D
Acq: 12 Nov 2025 11:57

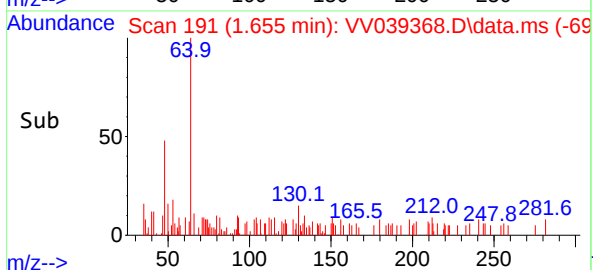
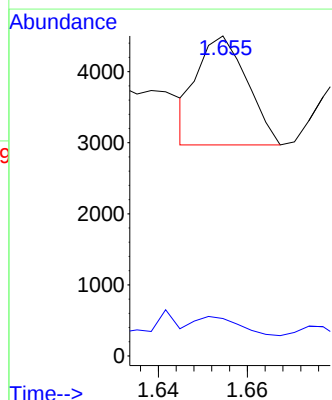
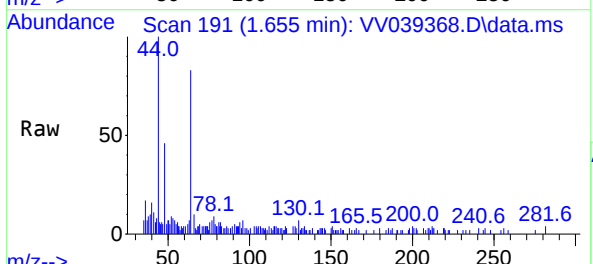
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ClientSampleId :
LOD-MDL-WATER-01-QT4-2025

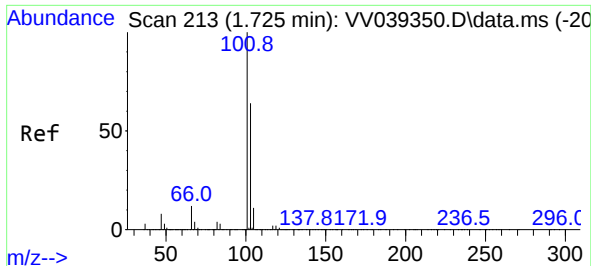
Tgt Ion: 94 Resp: 2691
Ion Ratio Lower Upper
94 100
96 62.1 75.6 113.4#



#6
Chloroethane
Concen: 0.298 ug/l
RT: 1.655 min Scan# 191
Delta R.T. 0.093 min
Lab File: VV039368.D
Acq: 12 Nov 2025 11:57

Tgt Ion: 64 Resp: 1180
Ion Ratio Lower Upper
64 100
66 15.7 24.7 37.1#

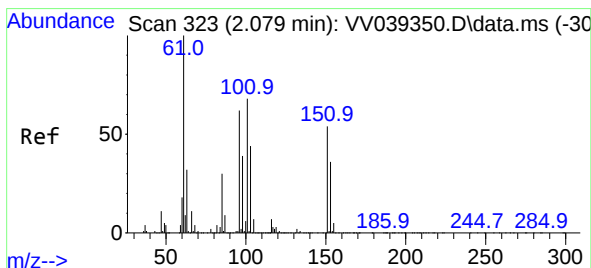
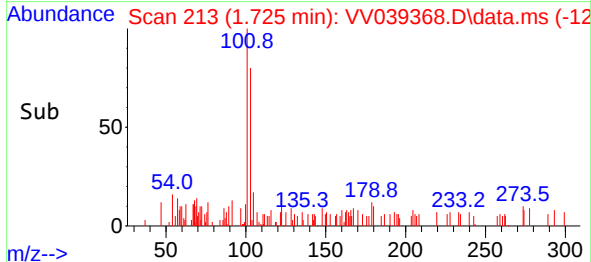
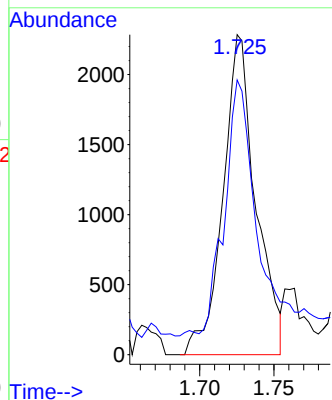
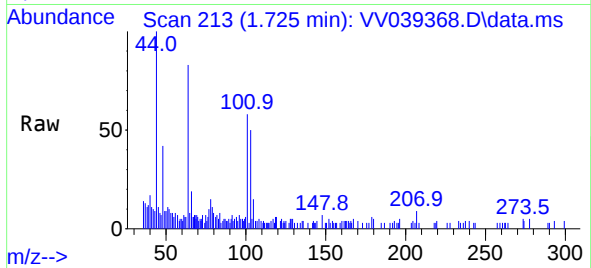




#7
 Trichlorofluoromethane
 Concen: 0.321 ug/l
 RT: 1.725 min Scan# 213
 Delta R.T. 0.000 min
 Lab File: VV039368.D
 Acq: 12 Nov 2025 11:57

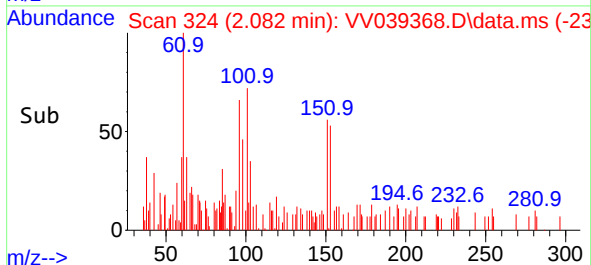
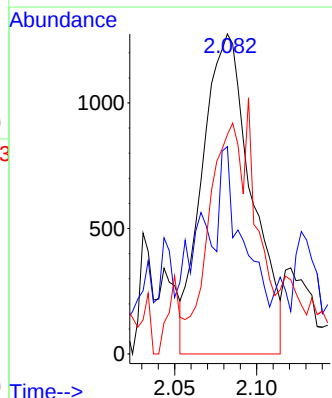
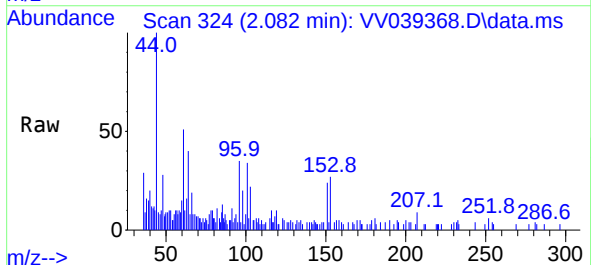
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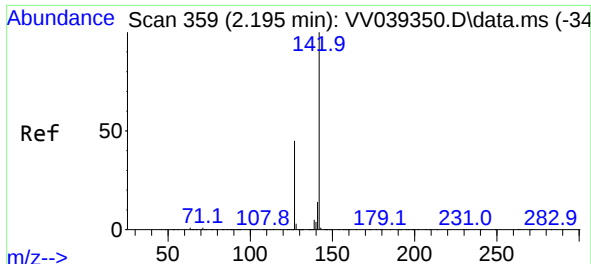
Tgt Ion:101 Resp: 3503
 Ion Ratio Lower Upper
 101 100
 103 80.0 50.9 76.3#



#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.369 ug/l
 RT: 2.082 min Scan# 324
 Delta R.T. 0.003 min
 Lab File: VV039368.D
 Acq: 12 Nov 2025 11:57

Tgt Ion:101 Resp: 2654
 Ion Ratio Lower Upper
 101 100
 85 20.0 33.5 50.3#
 151 57.5 63.6 95.4#

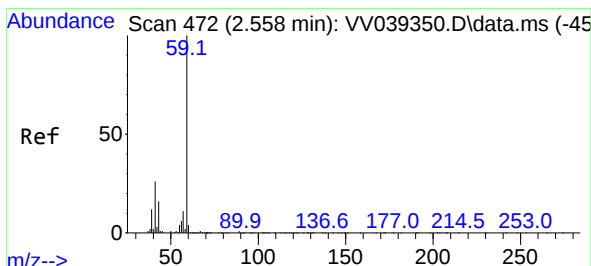
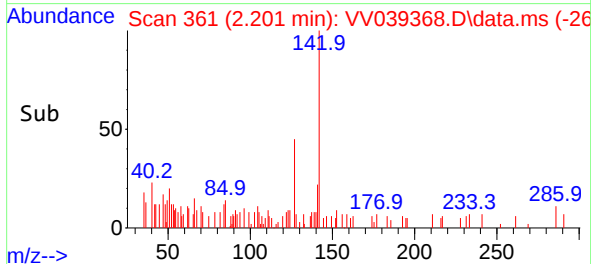
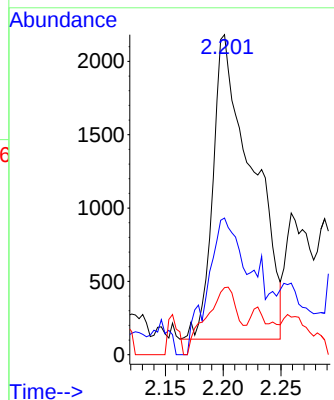
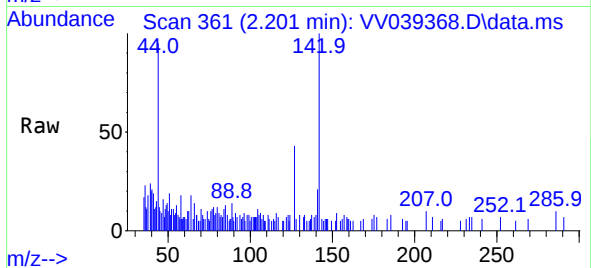




#10
Methyl Iodide
Concen: 1.110 ug/l
RT: 2.201 min Scan# 30
Delta R.T. 0.006 min
Lab File: VV039368.D
Acq: 12 Nov 2025 11:57

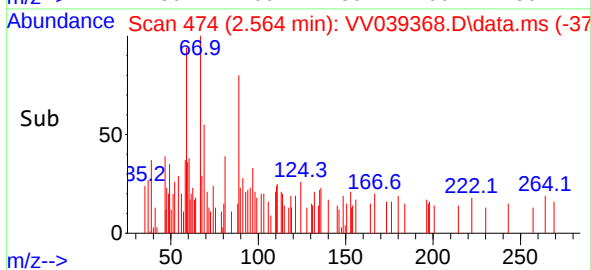
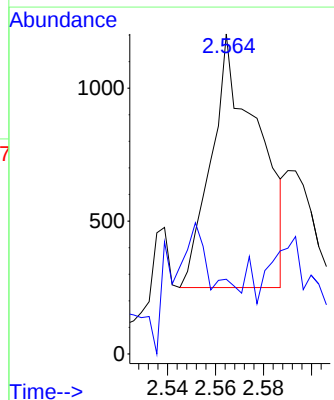
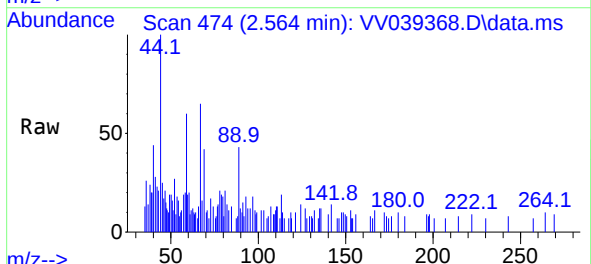
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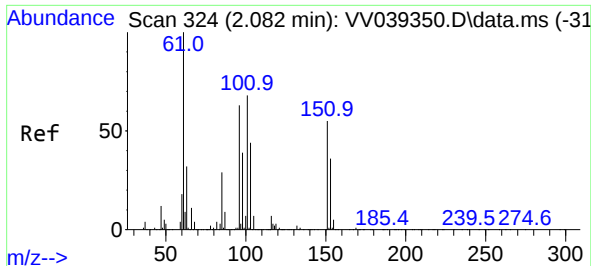
Tgt Ion:142 Resp: 4910
Ion Ratio Lower Upper
142 100
127 40.3 35.1 52.7
141 17.5 11.9 17.9



#11
Tert butyl alcohol
Concen: 1.253 ug/l
RT: 2.564 min Scan# 474
Delta R.T. 0.006 min
Lab File: VV039368.D
Acq: 12 Nov 2025 11:57

Tgt Ion: 59 Resp: 1293
Ion Ratio Lower Upper
59 100
57 0.0 8.0 12.0#

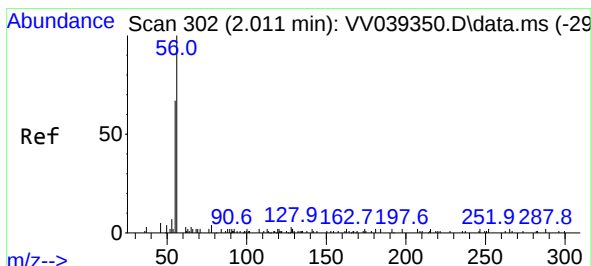
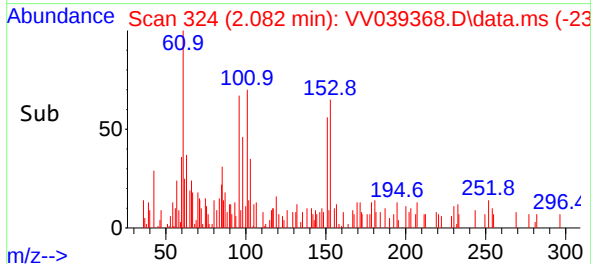
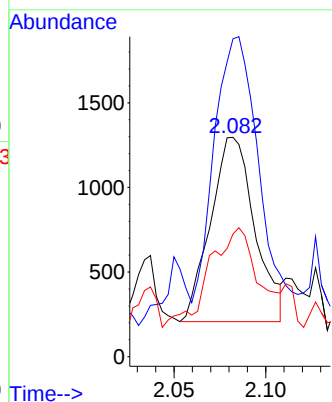
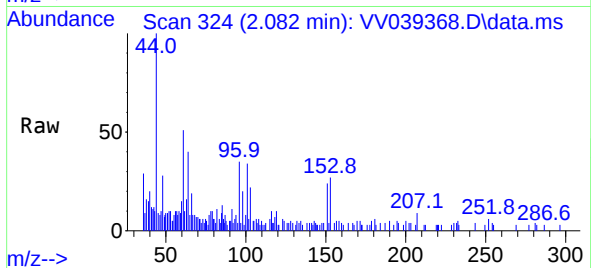




#12
1,1-Dichloroethene
Concen: 0.322 ug/l
RT: 2.082 min Scan# 31
Delta R.T. 0.000 min
Lab File: VV039368.D
Acq: 12 Nov 2025 11:57

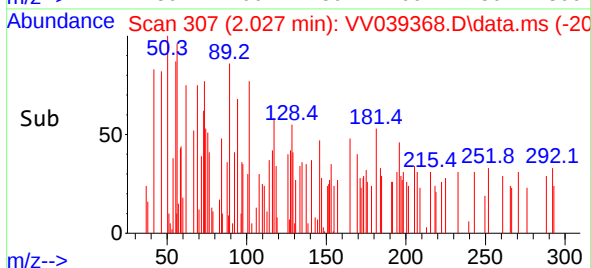
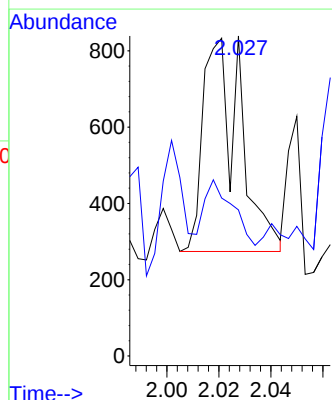
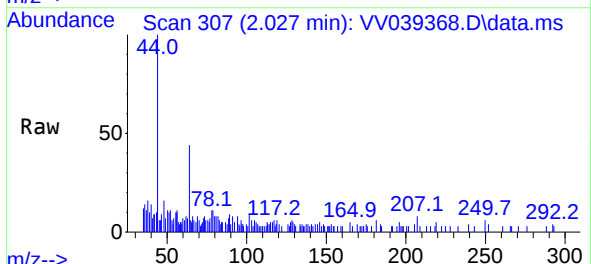
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ClientSampleId :
LOD-MDL-WATER-01-QT4-2025

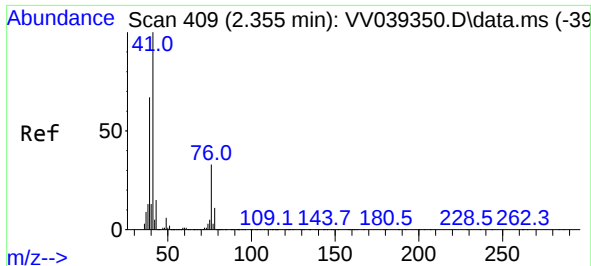
Tgt Ion: 96 Resp: 1831
Ion Ratio Lower Upper
96 100
61 127.9 127.8 191.6
98 43.7 50.2 75.2#



#13
Acrolein
Concen: 5.702 ug/l
RT: 2.027 min Scan# 307
Delta R.T. 0.016 min
Lab File: VV039368.D
Acq: 12 Nov 2025 11:57

Tgt Ion: 56 Resp: 552
Ion Ratio Lower Upper
56 100
55 26.1 55.2 82.8#

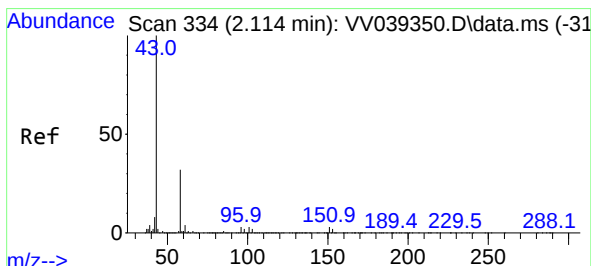
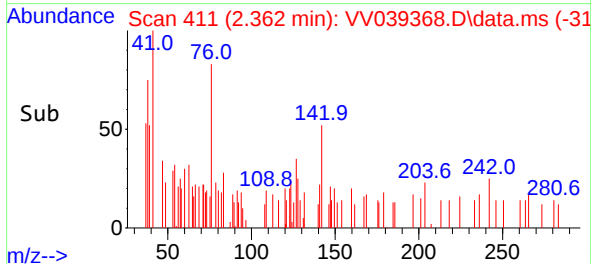
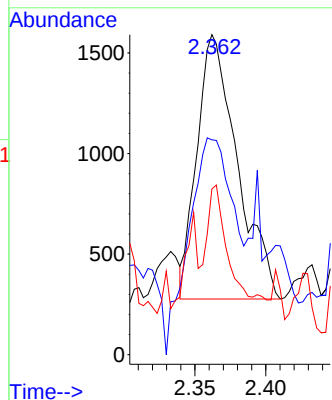
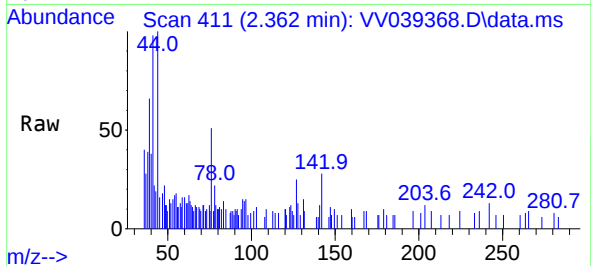




#14
Allyl chloride
Concen: 0.257 ug/l
RT: 2.362 min Scan# 411
Delta R.T. 0.006 min
Lab File: VV039368.D
Acq: 12 Nov 2025 11:57

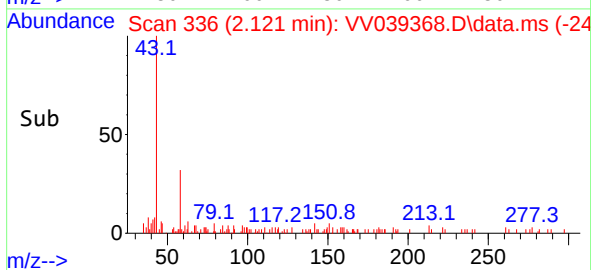
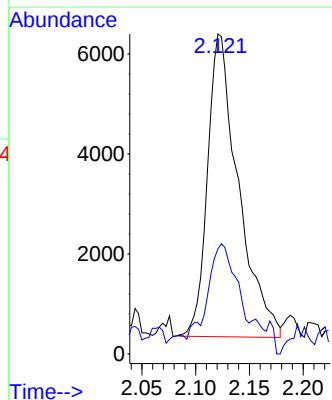
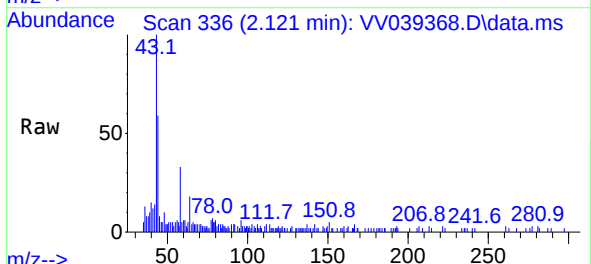
Instrument :
MSVOA_V
ClientSampleId :
LOD-MDL-WATER-01-QT4-2025

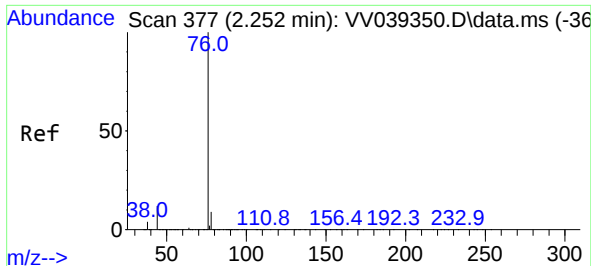
Tgt Ion: 41 Resp: 2605
Ion Ratio Lower Upper
41 100
39 91.3 50.7 76.1#
76 18.7 27.0 40.6#



#16
Acetone
Concen: 2.368 ug/l
RT: 2.121 min Scan# 336
Delta R.T. 0.006 min
Lab File: VV039368.D
Acq: 12 Nov 2025 11:57

Tgt Ion: 43 Resp: 12069
Ion Ratio Lower Upper
43 100
58 35.0 25.5 38.3

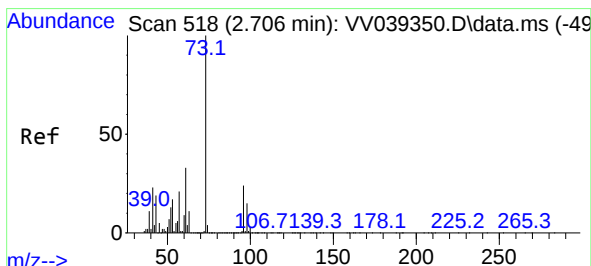
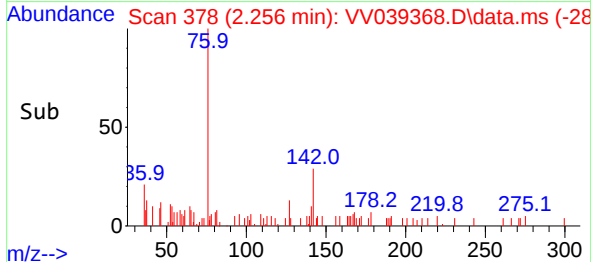
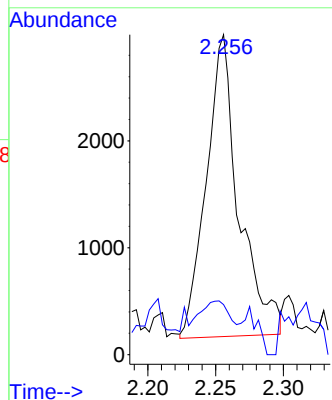
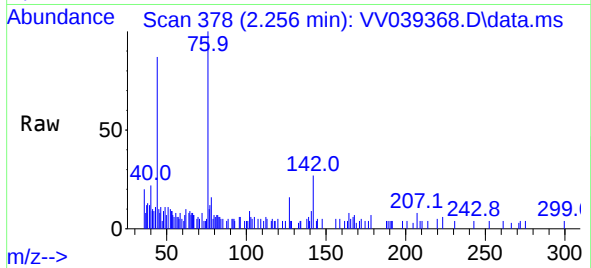




#17
Carbon Disulfide
Concen: 0.523 ug/l
RT: 2.256 min Scan# 31
Delta R.T. 0.003 min
Lab File: VV039368.D
Acq: 12 Nov 2025 11:57

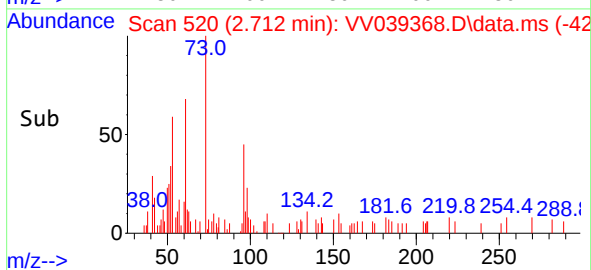
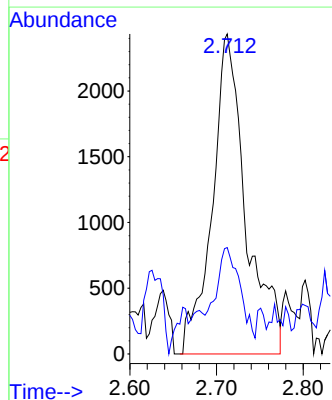
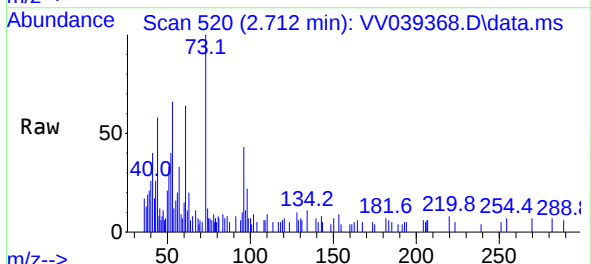
Instrument :
MSVOA_V
ClientSampleId :
LOD-MDL-WATER-01-QT4-2025

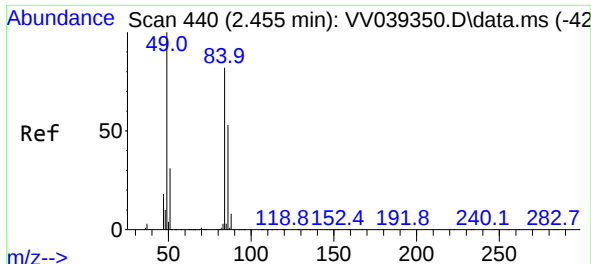
Tgt Ion: 76 Resp: 4698
Ion Ratio Lower Upper
76 100
78 9.0 7.4 11.0



#19
Methyl tert-butyl Ether
Concen: 0.309 ug/l
RT: 2.712 min Scan# 520
Delta R.T. 0.006 min
Lab File: VV039368.D
Acq: 12 Nov 2025 11:57

Tgt Ion: 73 Resp: 6594
Ion Ratio Lower Upper
73 100
57 23.9 17.0 25.6

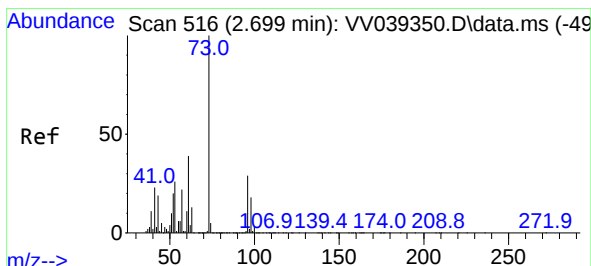
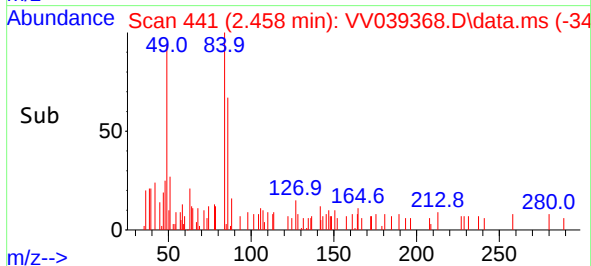
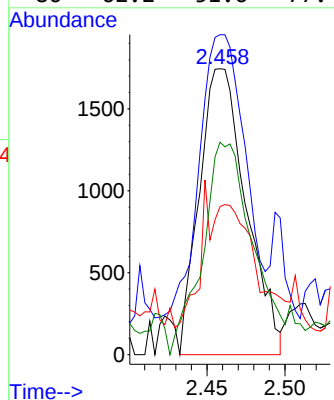
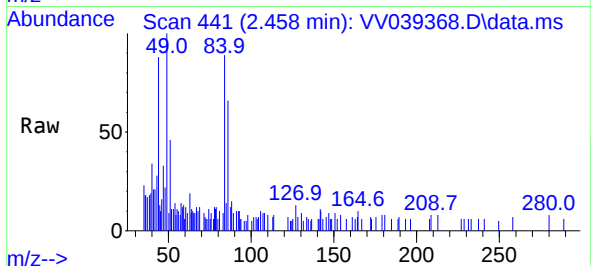




#20
Methylene Chloride
Concen: 0.464 ug/l
RT: 2.458 min Scan# 440
Delta R.T. 0.003 min
Lab File: VV039368.D
Acq: 12 Nov 2025 11:57

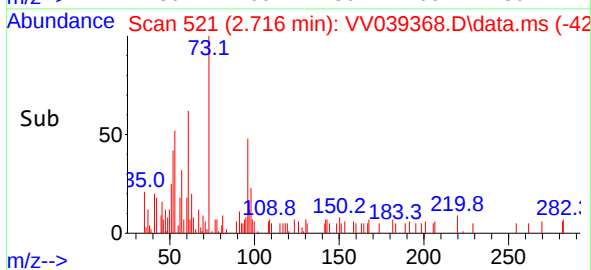
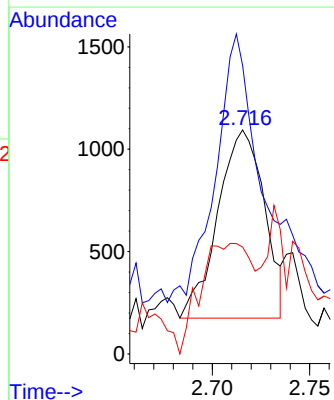
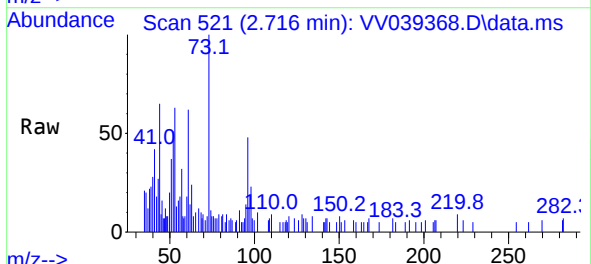
Instrument : MSVOA_V
ClientSampleId : LOD-MDL-WATER-01-QT4-2025

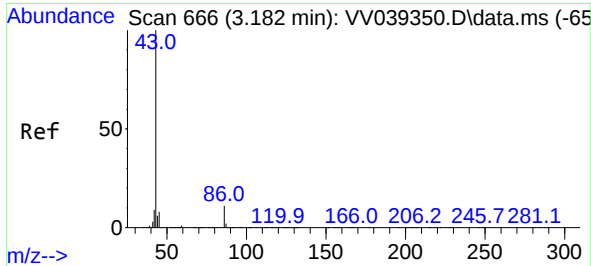
Tgt Ion:	84	Resp:	3649
Ion	Ratio	Lower	Upper
84	100		
49	86.6	97.8	146.8#
51	40.8	30.2	45.4
86	62.2	51.6	77.4



#21
trans-1,2-Dichloroethene
Concen: 0.271 ug/l
RT: 2.716 min Scan# 521
Delta R.T. 0.016 min
Lab File: VV039368.D
Acq: 12 Nov 2025 11:57

Tgt Ion:	96	Resp:	1528
Ion	Ratio	Lower	Upper
96	100		
61	117.2	108.9	163.3
98	56.8	51.7	77.5

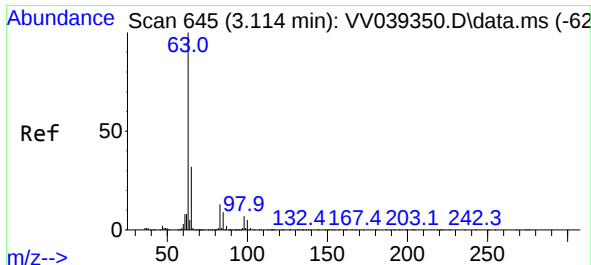
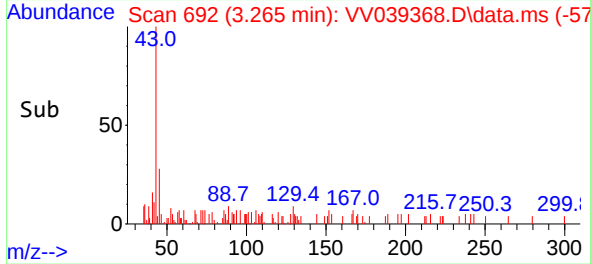
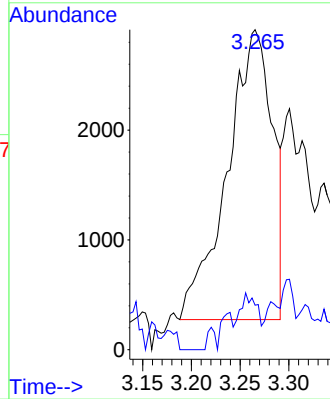
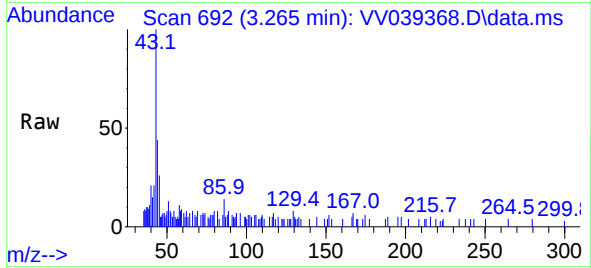




#23
Vinyl Acetate
Concen: 0.551 ug/l
RT: 3.265 min Scan# 61
Delta R.T. 0.084 min
Lab File: VV039368.D
Acq: 12 Nov 2025 11:57

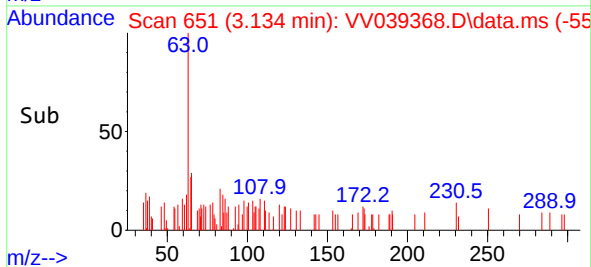
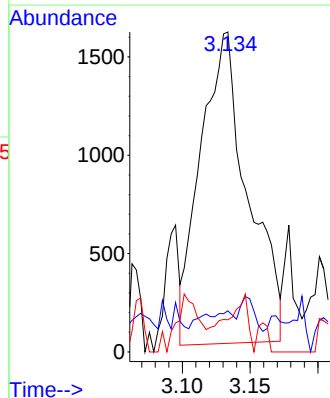
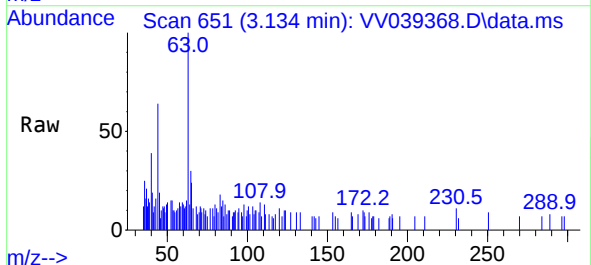
Instrument :
MSVOA_V
ClientSampleId :
LOD-MDL-WATER-01-QT4-2025

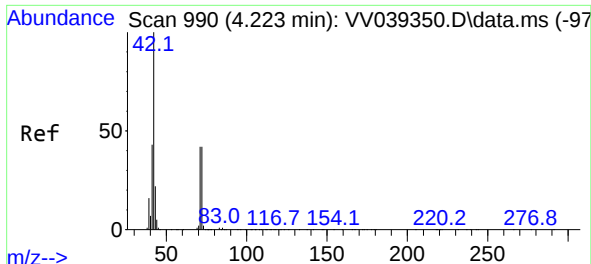
Tgt Ion: 43 Resp: 8562
Ion Ratio Lower Upper
43 100
86 15.3 8.6 12.8#



#24
1,1-Dichloroethane
Concen: 0.287 ug/l
RT: 3.134 min Scan# 651
Delta R.T. 0.019 min
Lab File: VV039368.D
Acq: 12 Nov 2025 11:57

Tgt Ion: 63 Resp: 3843
Ion Ratio Lower Upper
63 100
98 4.1 3.5 10.5
100 25.9 2.3 6.9#





#29

Tetrahydrofuran

Concen: 0.337 ug/l

RT: 4.227 min Scan# 91

Delta R.T. 0.003 min

Lab File: VV039368.D

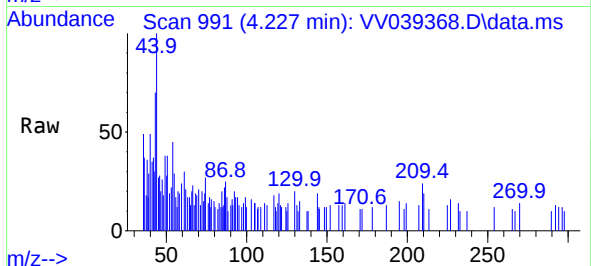
Acq: 12 Nov 2025 11:57

Instrument :

MSVOA_V

ClientSampleId :

LOD-MDL-WATER-01-QT4-2025



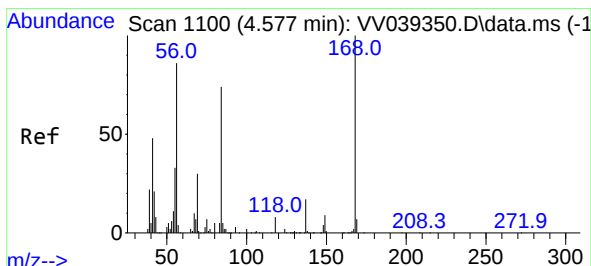
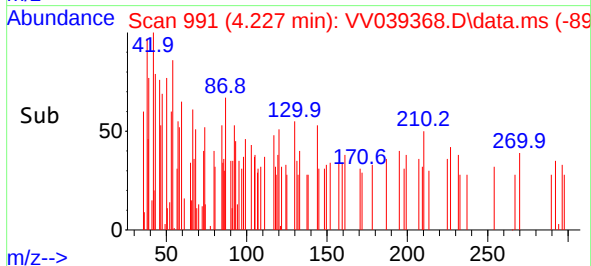
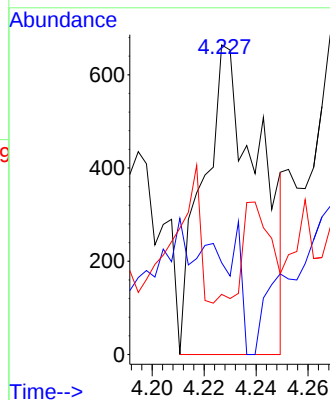
Tgt Ion: 42 Resp: 1004

Ion Ratio Lower Upper

42 100

72 0.0 35.3 52.9#

71 28.4 34.0 51.0#



#31

Cyclohexane

Concen: 1.991 ug/l

RT: 4.593 min Scan# 1105

Delta R.T. 0.016 min

Lab File: VV039368.D

Acq: 12 Nov 2025 11:57

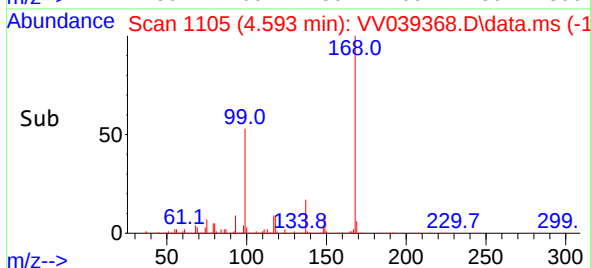
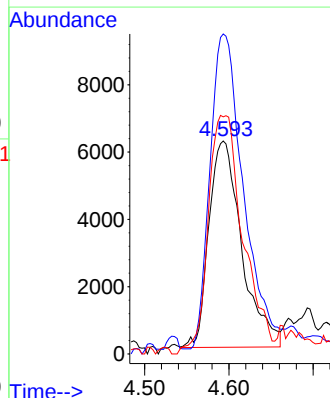
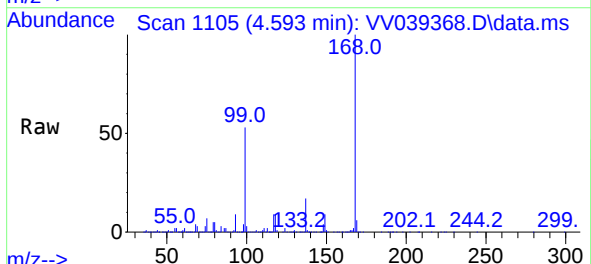
Tgt Ion: 56 Resp: 16671

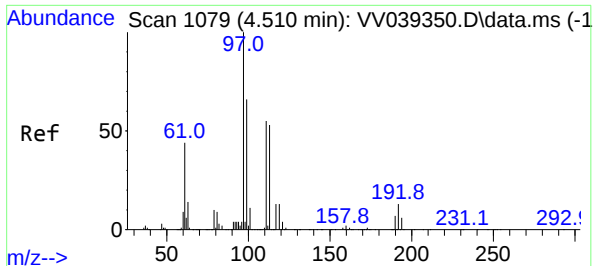
Ion Ratio Lower Upper

56 100

69 152.6 27.7 41.5#

84 109.0 69.4 104.2#

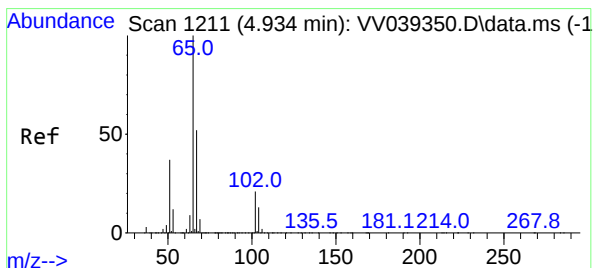
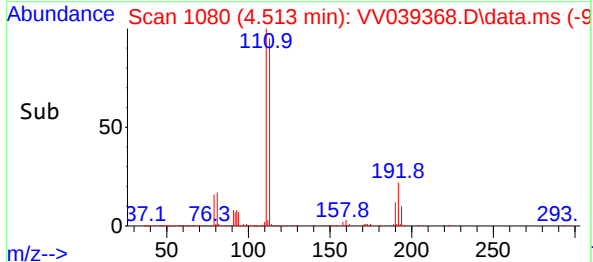
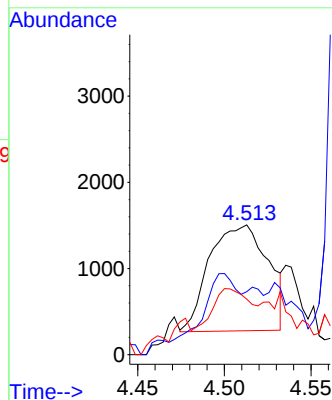
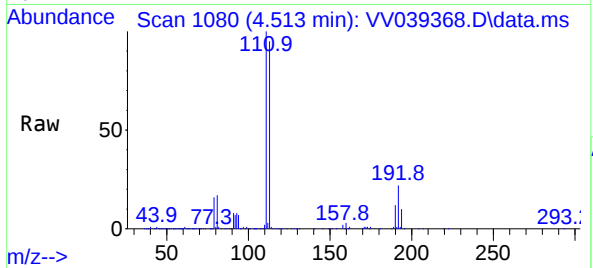




#32
1,1,1-Trichloroethane
Concen: 0.234 ug/l
RT: 4.513 min Scan# 1079
Delta R.T. 0.003 min
Lab File: VV039368.D
Acq: 12 Nov 2025 11:57

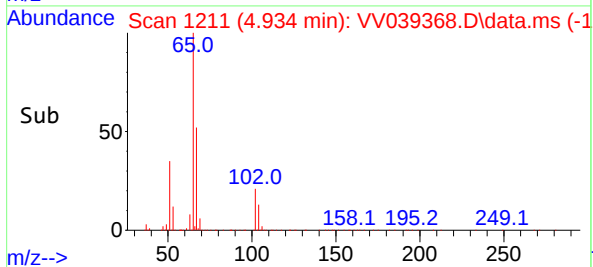
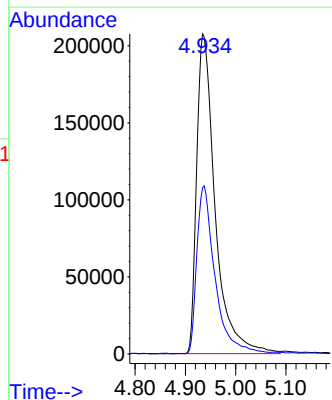
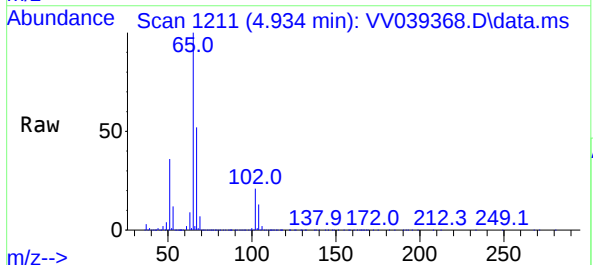
Instrument : MSVOA_V
ClientSampleId : LOD-MDL-WATER-01-QT4-2025

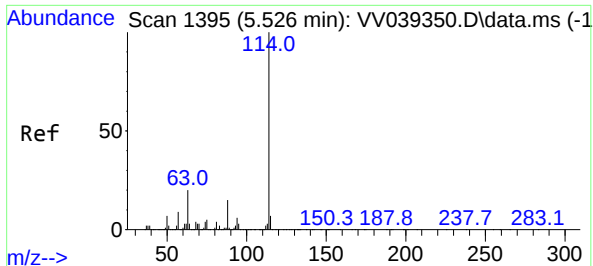
Tgt Ion:	97	Resp:	2886
Ion	Ratio	Lower	Upper
97	100		
99	0.0	49.9	74.9#
61	23.5	33.9	50.9#



#33
1,2-Dichloroethane-d4
Concen: 54.975 ug/l
RT: 4.934 min Scan# 1211
Delta R.T. 0.000 min
Lab File: VV039368.D
Acq: 12 Nov 2025 11:57

Tgt Ion:	65	Resp:	529508
Ion	Ratio	Lower	Upper
65	100		
67	51.5	0.0	105.4

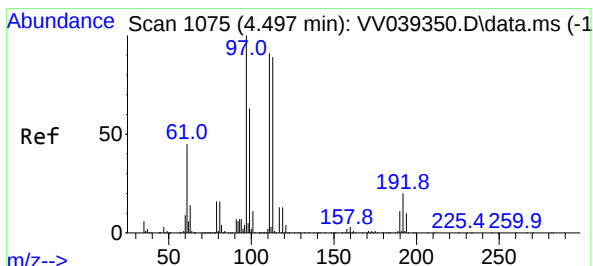
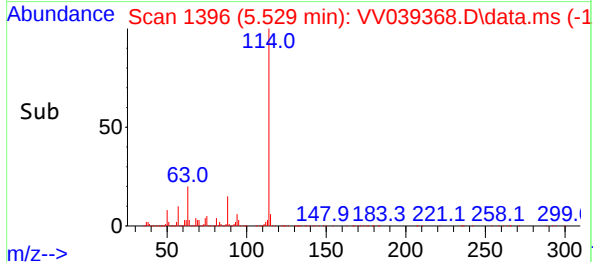
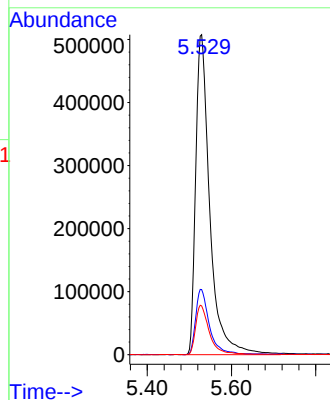
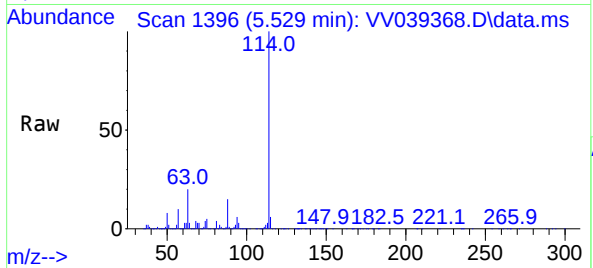




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 5.529 min Scan# 111
Delta R.T. 0.003 min
Lab File: VV039368.D
Acq: 12 Nov 2025 11:57

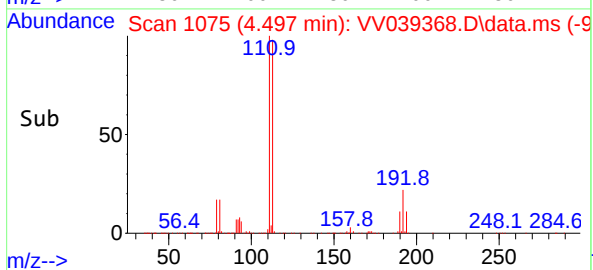
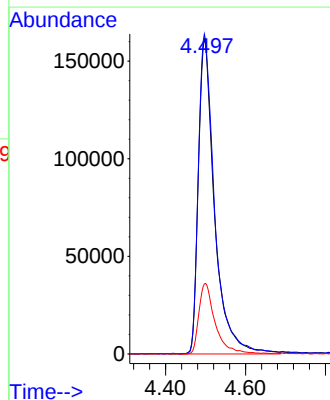
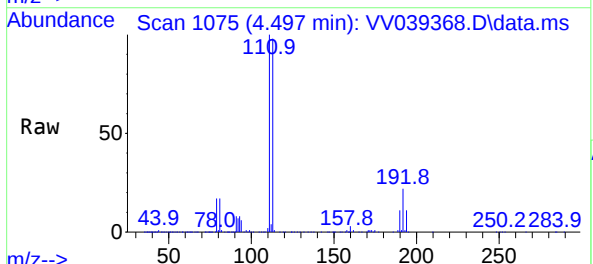
Instrument :
MSVOA_V
ClientSampleId :
LOD-MDL-WATER-01-QT4-2025

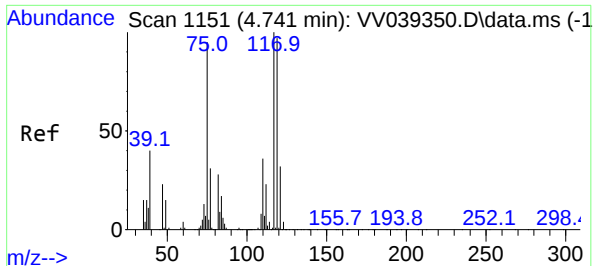
Tgt Ion:114 Resp: 1179331
Ion Ratio Lower Upper
114 100
63 20.3 0.0 39.6
88 15.2 0.0 30.2



#35
Dibromofluoromethane
Concen: 50.281 ug/l
RT: 4.497 min Scan# 1075
Delta R.T. 0.000 min
Lab File: VV039368.D
Acq: 12 Nov 2025 11:57

Tgt Ion:113 Resp: 454813
Ion Ratio Lower Upper
113 100
111 101.5 82.6 124.0
192 22.3 17.8 26.8





#36

1,1-Dichloropropene

Concen: 6.847 ug/l

RT: 4.593 min Scan# 1105

Delta R.T. -0.148 min

Lab File: VV039368.D

Acq: 12 Nov 2025 11:57

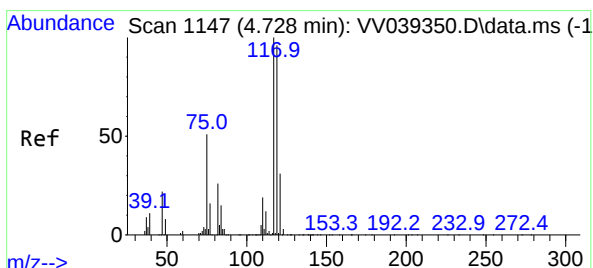
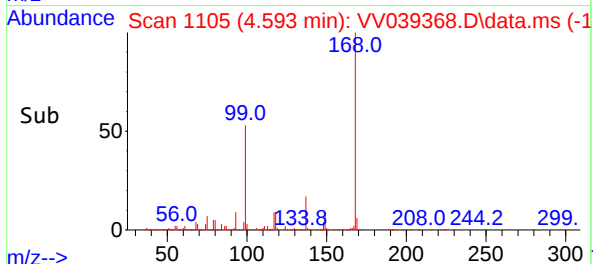
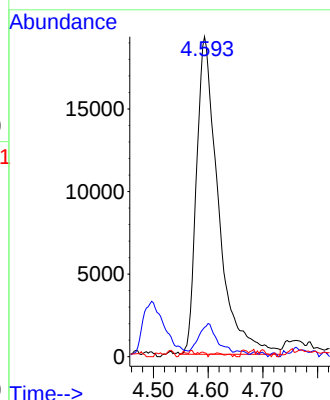
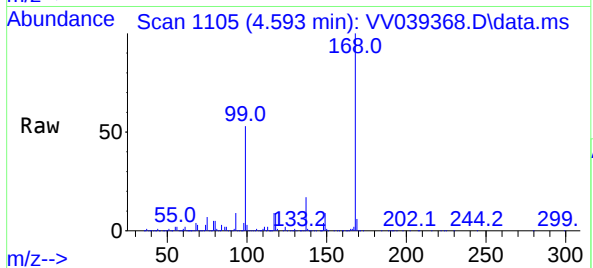
Instrument :

MSVOA_V

ClientSampleId :

LOD-MDL-WATER-01-QT4-2025

Tgt Ion:	75	Resp:	53342
Ion	Ratio	Lower	Upper
75	100		
110	7.5	18.1	54.4#
77	0.5	24.0	36.0#



#38

Carbon Tetrachloride

Concen: 6.040 ug/l

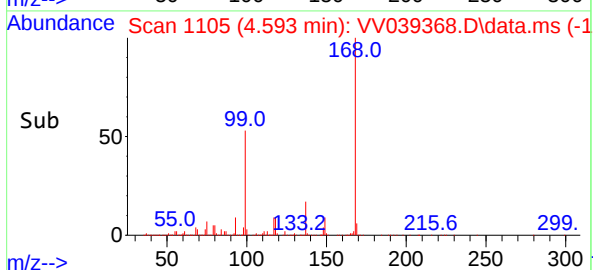
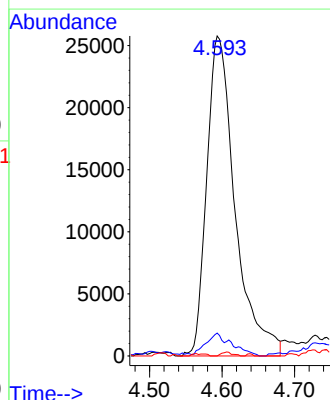
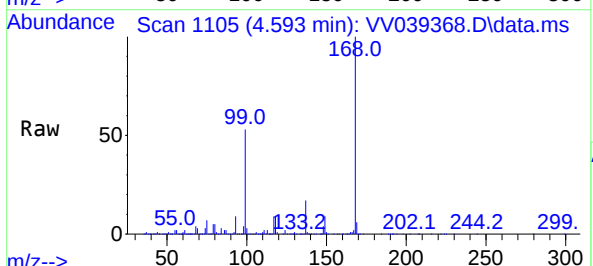
RT: 4.593 min Scan# 1105

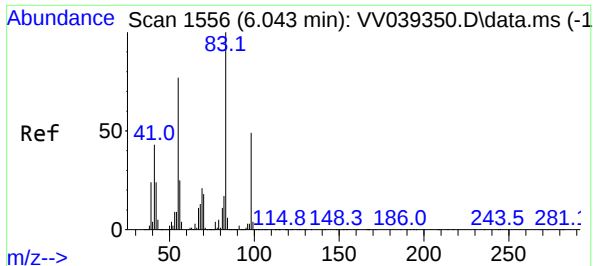
Delta R.T. -0.135 min

Lab File: VV039368.D

Acq: 12 Nov 2025 11:57

Tgt Ion:	117	Resp:	69897
Ion	Ratio	Lower	Upper
117	100		
119	6.6	76.1	114.1#
121	0.0	25.0	37.4#





#39

Methylcyclohexane

Concen: 0.261 ug/l

RT: 6.050 min Scan# 1

Delta R.T. 0.006 min

Lab File: VV039368.D

Acq: 12 Nov 2025 11:57

Instrument :

MSVOA_V

ClientSampleId :

LOD-MDL-WATER-01-QT4-2025

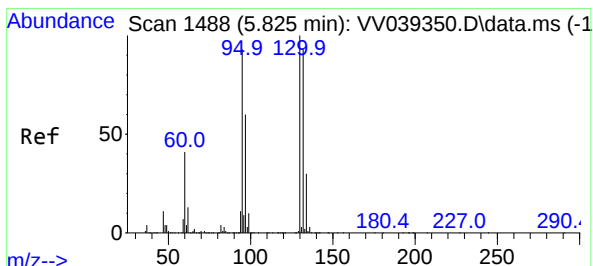
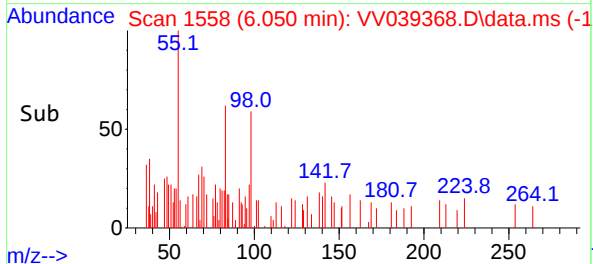
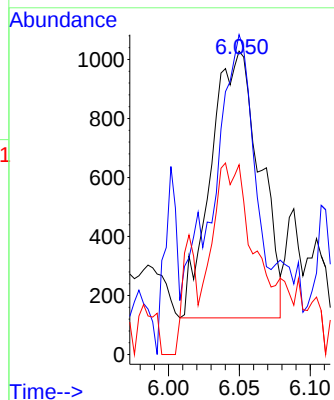
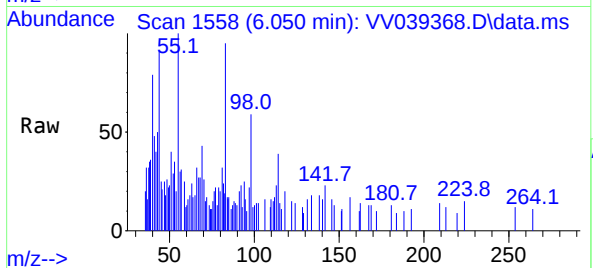
Tgt Ion: 83 Resp: 2169

Ion Ratio Lower Upper

83 100

55 99.7 61.3 91.9#

98 57.6 39.0 58.6



#44

Trichloroethene

Concen: 0.379 ug/l

RT: 5.847 min Scan# 1495

Delta R.T. 0.023 min

Lab File: VV039368.D

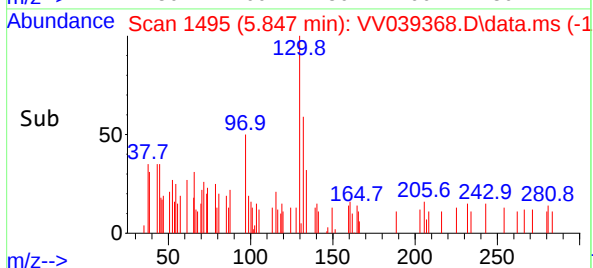
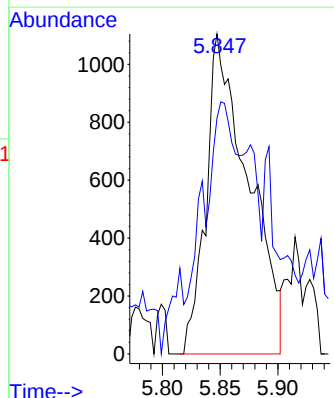
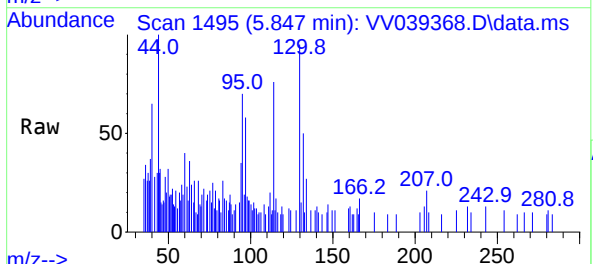
Acq: 12 Nov 2025 11:57

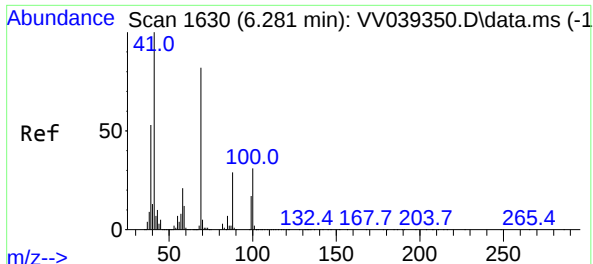
Tgt Ion:130 Resp: 2804

Ion Ratio Lower Upper

130 100

95 47.1 0.0 186.8

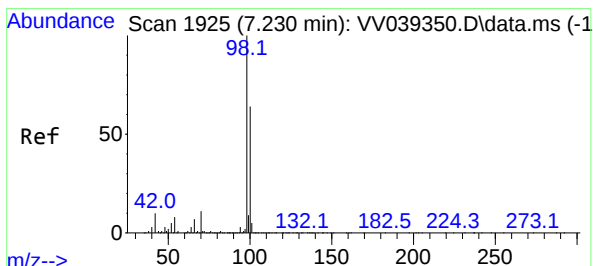
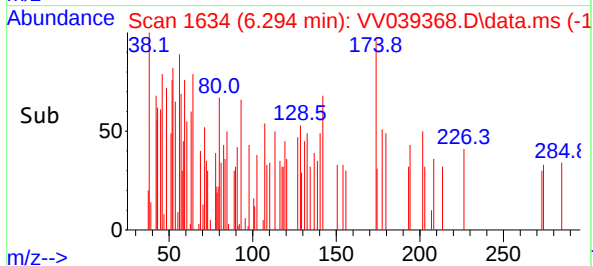
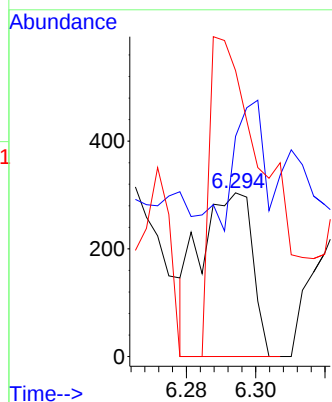
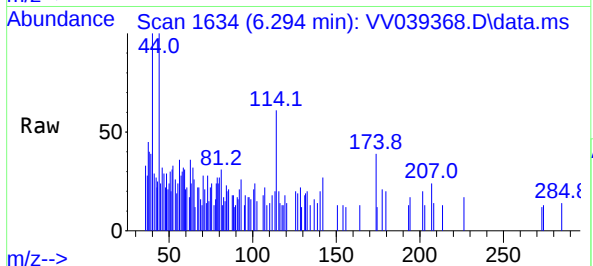




#49
1,4-Dioxane
Concen: 2.780 ug/l
RT: 6.294 min Scan# 1
Delta R.T. 0.013 min
Lab File: VV039368.D
Acq: 12 Nov 2025 11:57

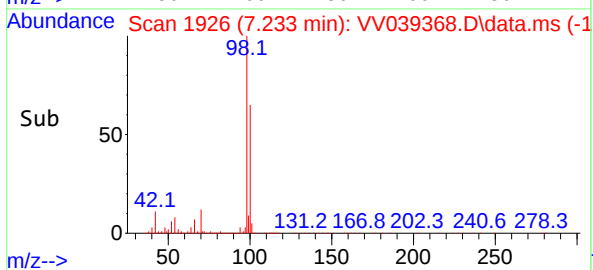
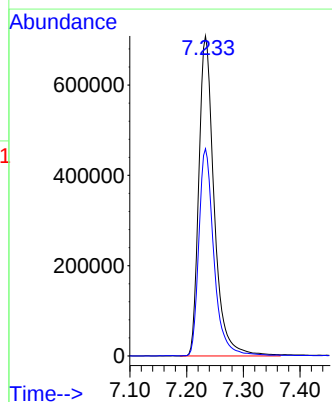
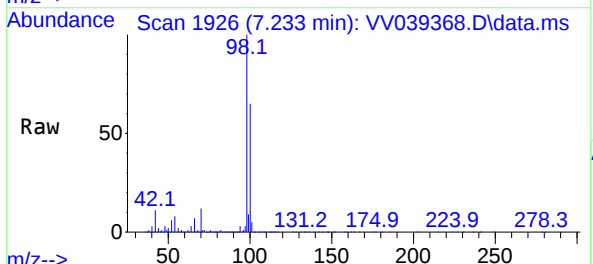
Instrument :
MSVOA_V
ClientSampleId :
LOD-MDL-WATER-01-QT4-2025

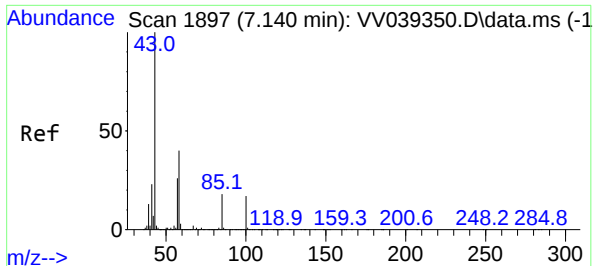
Tgt Ion: 88 Resp: 318
Ion Ratio Lower Upper
88 100
43 41.5 26.6 40.0#
58 227.4 55.4 83.0#



#50
Toluene-d8
Concen: 44.439 ug/l
RT: 7.233 min Scan# 1926
Delta R.T. 0.003 min
Lab File: VV039368.D
Acq: 12 Nov 2025 11:57

Tgt Ion: 98 Resp: 1328332
Ion Ratio Lower Upper
98 100
100 63.5 52.8 79.2

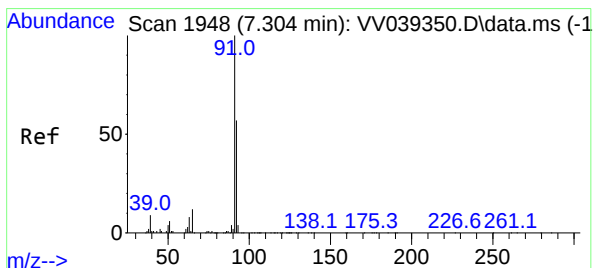
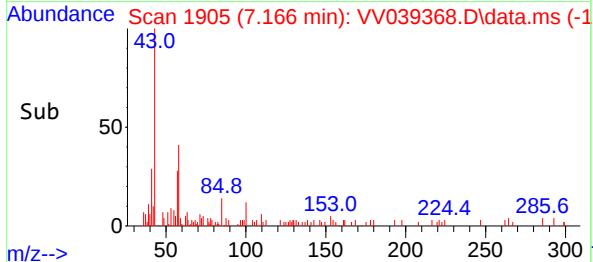
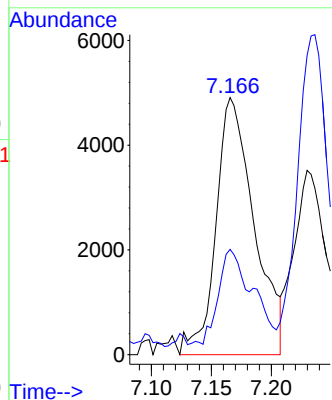
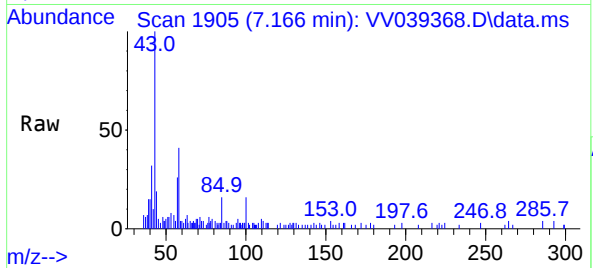




#51
4-Methyl-2-Pentanone
Concen: 0.997 ug/l
RT: 7.166 min Scan# 1905
Delta R.T. 0.026 min
Lab File: VV039368.D
Acq: 12 Nov 2025 11:57

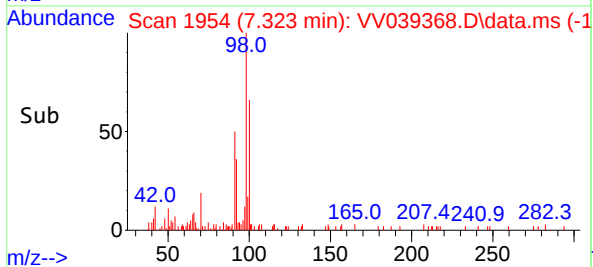
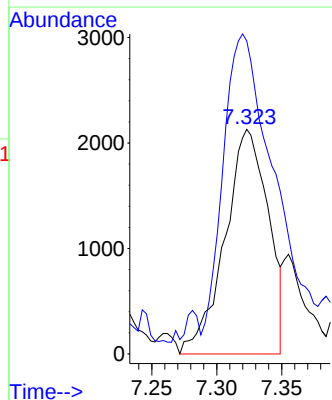
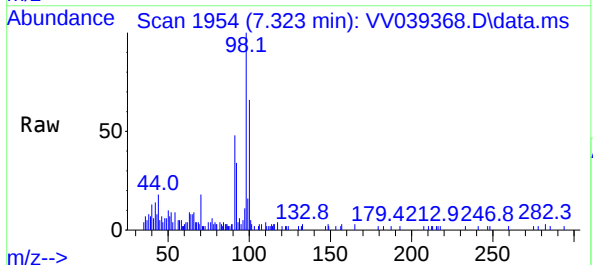
Instrument :
MSVOA_V
ClientSampleId :
LOD-MDL-WATER-01-QT4-2025

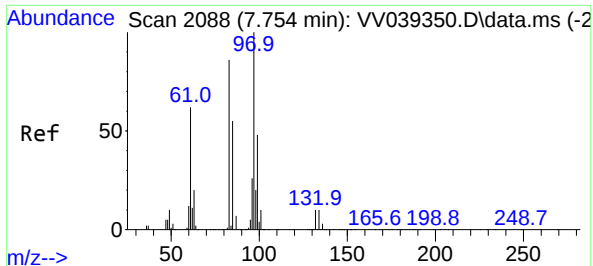
Tgt Ion: 43 Resp: 10869
Ion Ratio Lower Upper
43 100
58 31.6 31.8 47.6#



#52
Toluene
Concen: 0.290 ug/l
RT: 7.323 min Scan# 1954
Delta R.T. 0.019 min
Lab File: VV039368.D
Acq: 12 Nov 2025 11:57

Tgt Ion: 92 Resp: 4946
Ion Ratio Lower Upper
92 100
91 153.1 139.0 208.6

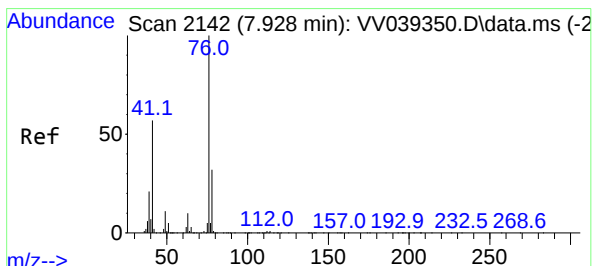
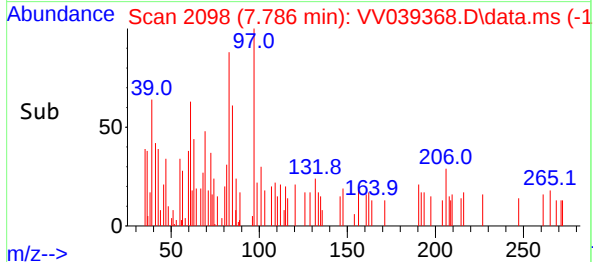
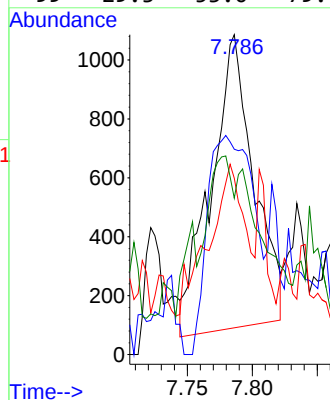
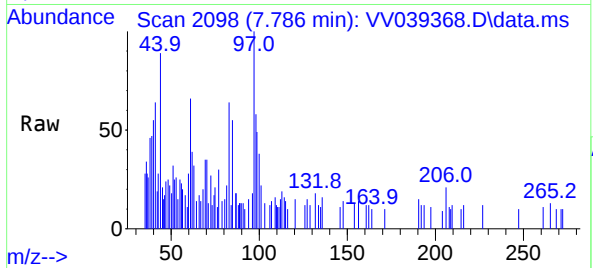




#55
1,1,2-Trichloroethane
Concen: 0.264 ug/l
RT: 7.786 min Scan# 2088
Delta R.T. 0.032 min
Lab File: VV039368.D
Acq: 12 Nov 2025 11:57

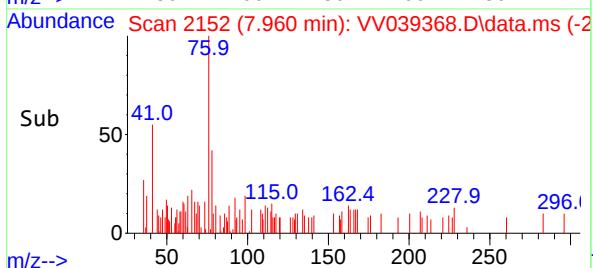
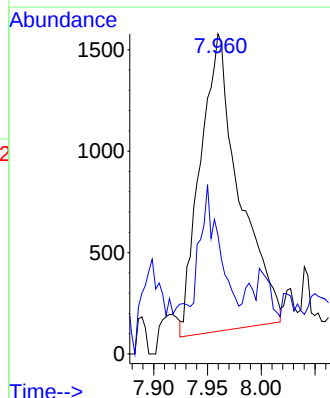
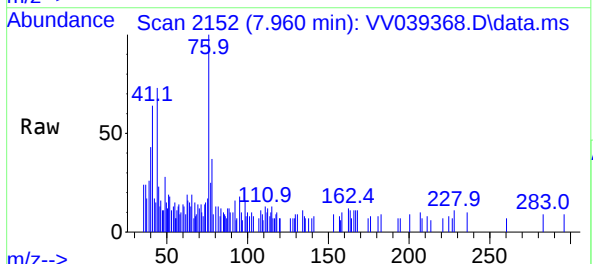
Instrument :
MSVOA_V
ClientSampleId :
LOD-MDL-WATER-01-QT4-2025

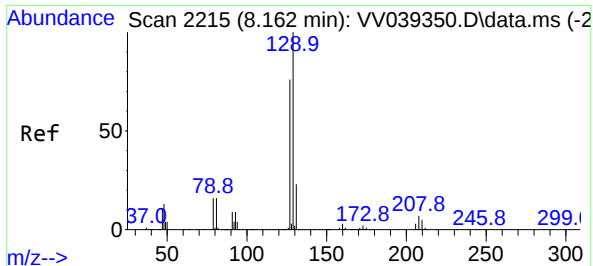
Tgt Ion:	97	Resp:	2281
Ion	Ratio	Lower	Upper
97	100		
83	65.9	68.8	103.2#
85	51.3	45.2	67.8
99	29.3	53.0	79.4#



#57
1,3-Dichloropropane
Concen: 0.277 ug/l
RT: 7.960 min Scan# 2152
Delta R.T. 0.032 min
Lab File: VV039368.D
Acq: 12 Nov 2025 11:57

Tgt Ion:	76	Resp:	3686
Ion	Ratio	Lower	Upper
76	100		
78	28.5	25.6	38.4

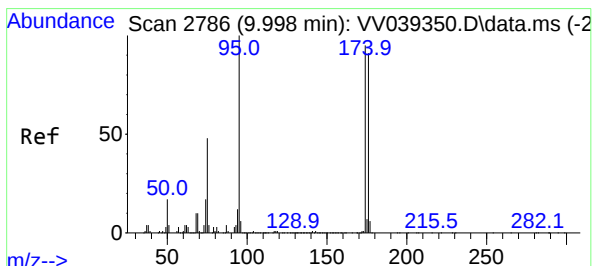
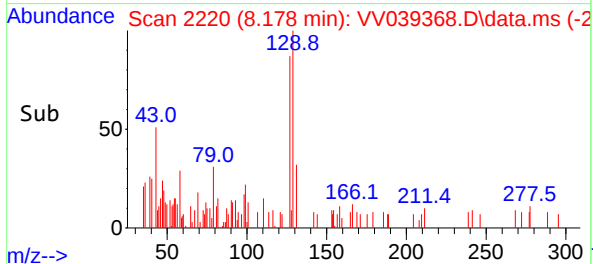
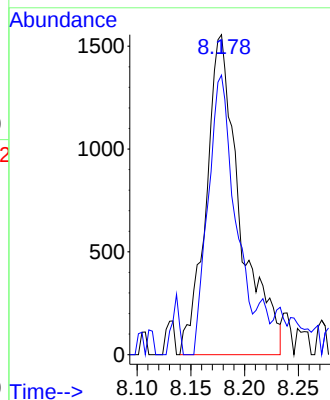
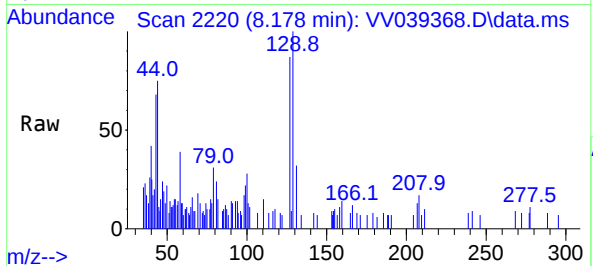




#60
Dibromochloromethane
Concen: 0.310 ug/l
RT: 8.178 min Scan# 21
Delta R.T. 0.016 min
Lab File: VV039368.D
Acq: 12 Nov 2025 11:57

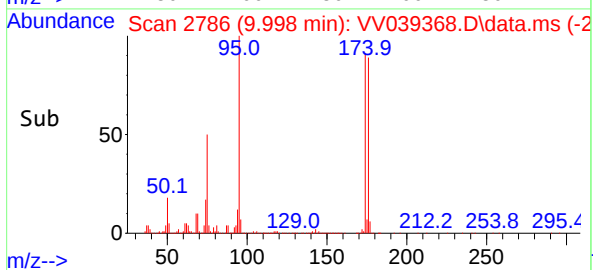
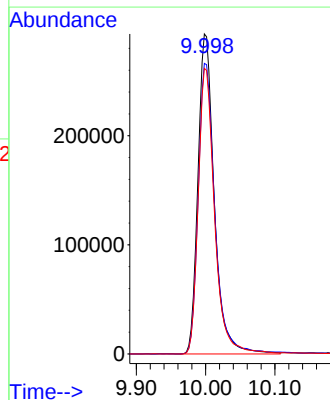
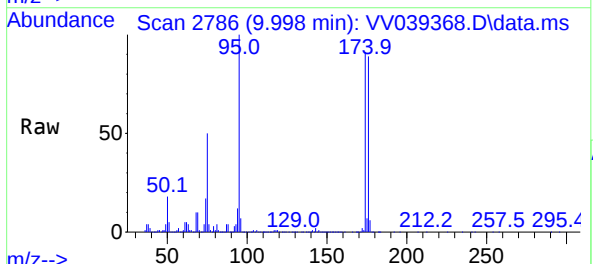
Instrument :
MSVOA_V
ClientSampleId :
LOD-MDL-WATER-01-QT4-2025

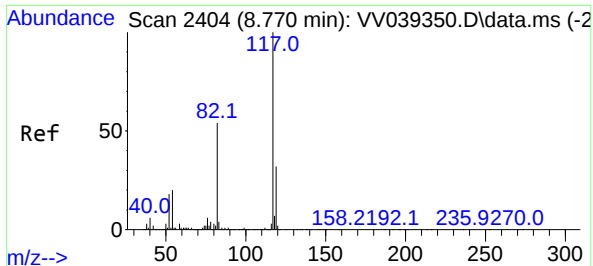
Tgt Ion:129 Resp: 3429
Ion Ratio Lower Upper
129 100
127 68.6 38.6 115.7



#62
4-Bromofluorobenzene
Concen: 41.868 ug/l
RT: 9.998 min Scan# 2786
Delta R.T. 0.000 min
Lab File: VV039368.D
Acq: 12 Nov 2025 11:57

Tgt Ion: 95 Resp: 480875
Ion Ratio Lower Upper
95 100
174 92.0 0.0 187.6
176 89.4 0.0 180.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 8.773 min Scan# 2404

Delta R.T. 0.003 min

Lab File: VV039368.D

Acq: 12 Nov 2025 11:57

Instrument :

MSVOA_V

ClientSampleId :

LOD-MDL-WATER-01-QT4-2025

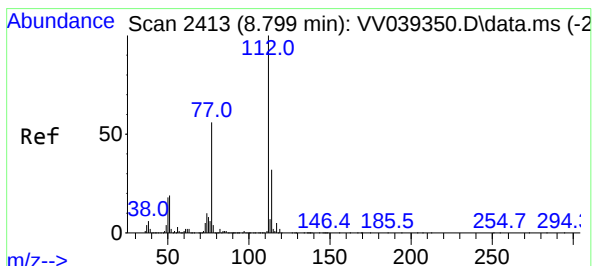
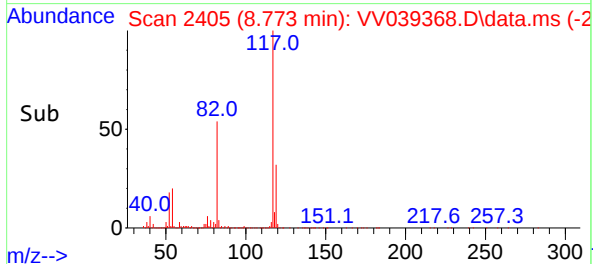
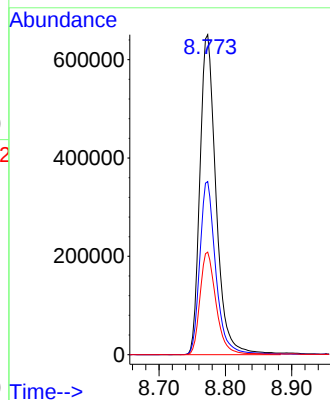
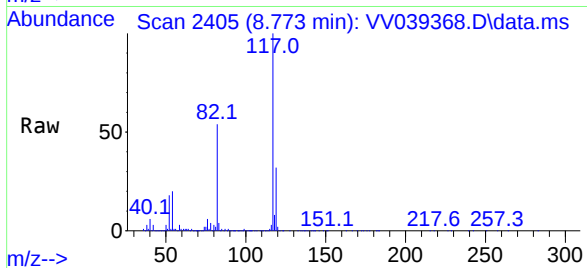
Tgt Ion:117 Resp: 1104163

Ion Ratio Lower Upper

117 100

82 54.1 42.9 64.3

119 32.0 25.5 38.3



#65

Chlorobenzene

Concen: 0.340 ug/l

RT: 8.809 min Scan# 2416

Delta R.T. 0.010 min

Lab File: VV039368.D

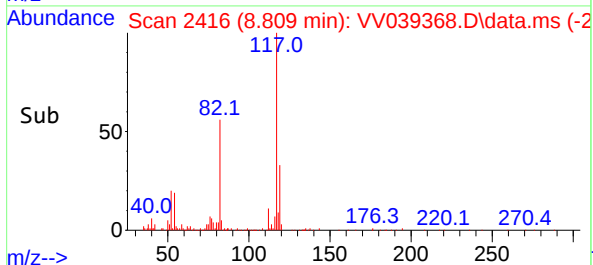
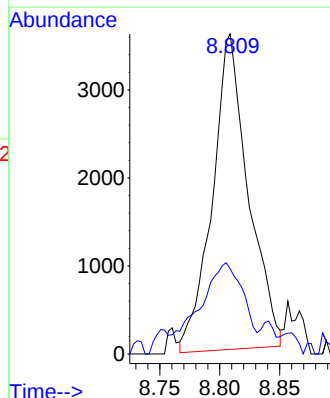
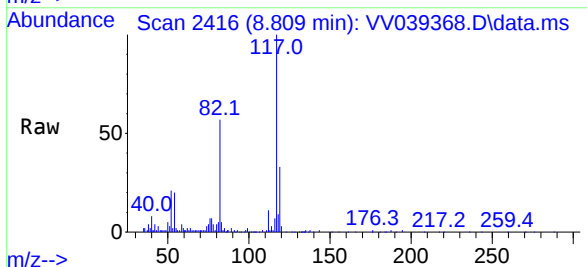
Acq: 12 Nov 2025 11:57

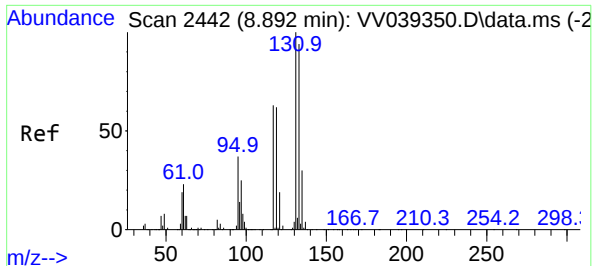
Tgt Ion:112 Resp: 7483

Ion Ratio Lower Upper

112 100

114 22.1 25.7 38.5#

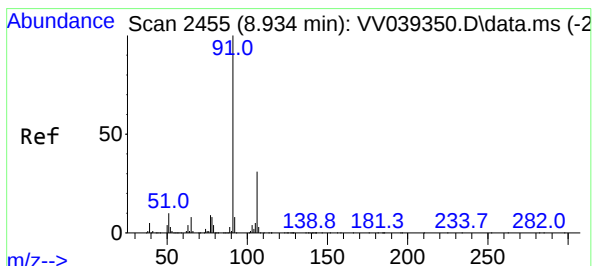
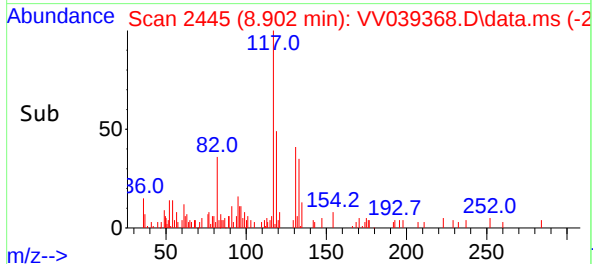
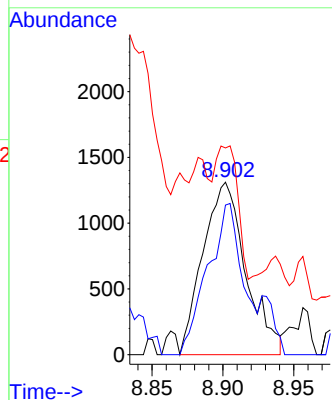
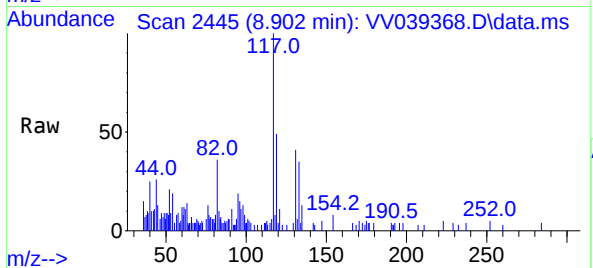




#66
1,1,1,2-Tetrachloroethane
Concen: 0.301 ug/l
RT: 8.902 min Scan# 2442
Delta R.T. 0.010 min
Lab File: VV039368.D
Acq: 12 Nov 2025 11:57

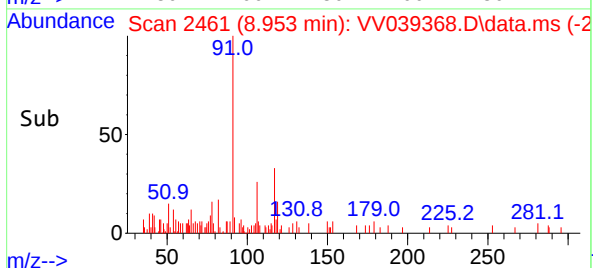
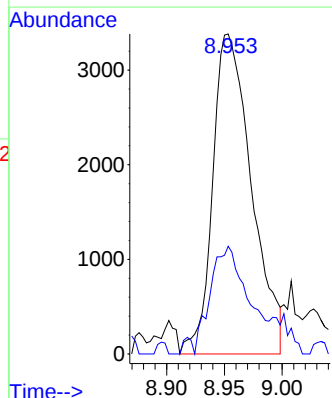
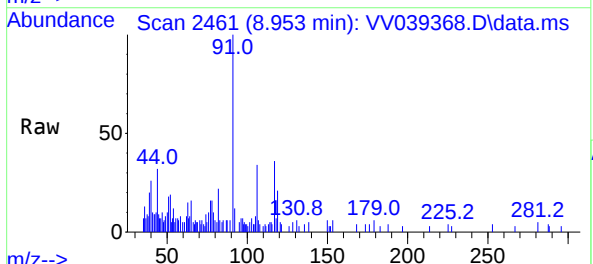
Instrument :
MSVOA_V
ClientSampleId :
LOD-MDL-WATER-01-QT4-2025

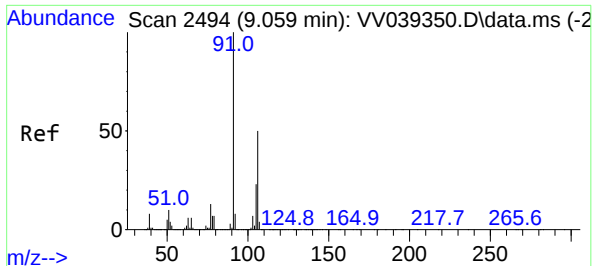
Tgt Ion:131 Resp: 2760
Ion Ratio Lower Upper
131 100
133 71.3 47.9 143.8
119 0.0 31.6 94.8#



#67
Ethyl Benzene
Concen: 0.249 ug/l
RT: 8.953 min Scan# 2461
Delta R.T. 0.019 min
Lab File: VV039368.D
Acq: 12 Nov 2025 11:57

Tgt Ion: 91 Resp: 7904
Ion Ratio Lower Upper
91 100
106 33.6 24.9 37.3

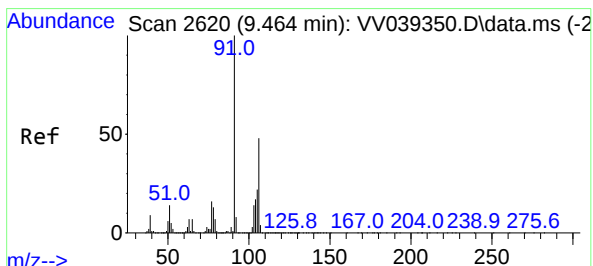
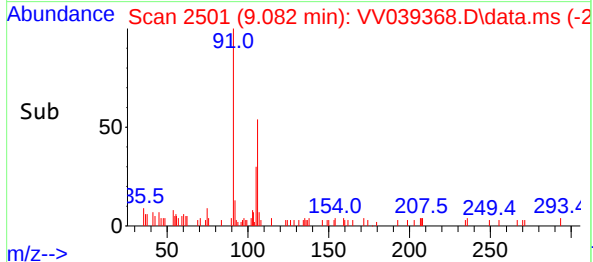
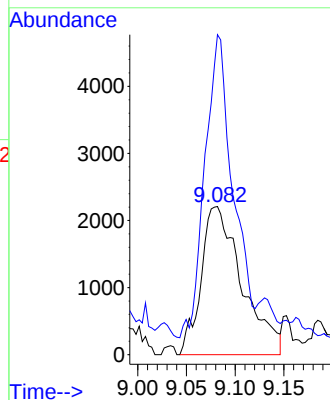
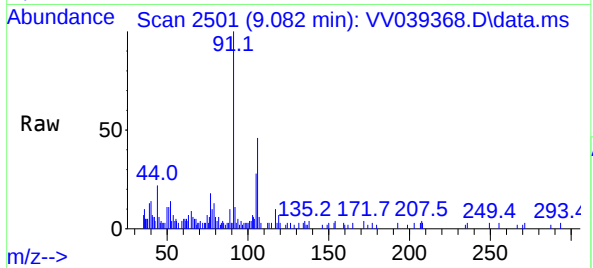




#68
m/p-Xylenes
Concen: 0.538 ug/l
RT: 9.082 min Scan# 21
Delta R.T. 0.023 min
Lab File: VV039368.D
Acq: 12 Nov 2025 11:57

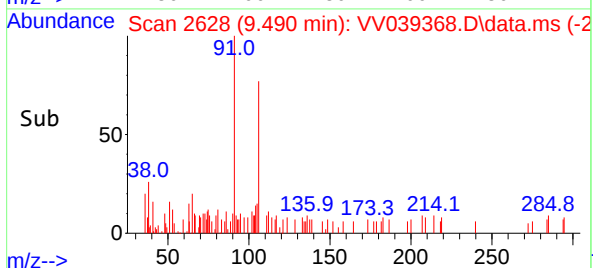
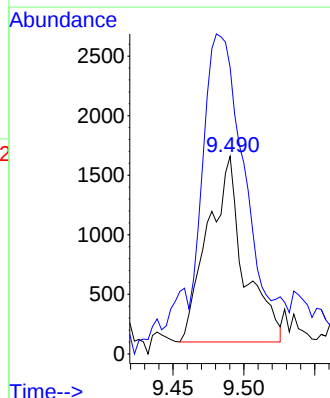
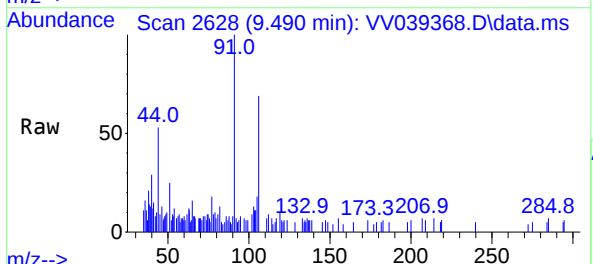
Instrument :
MSVOA_V
ClientSampleId :
LOD-MDL-WATER-01-QT4-2025

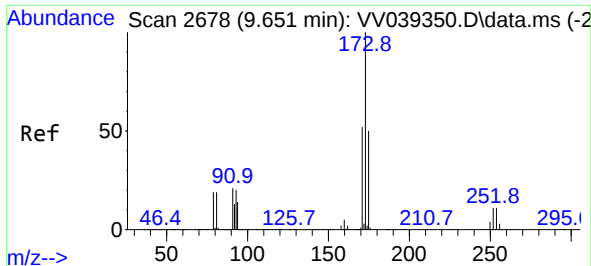
Tgt Ion:106 Resp: 6457
Ion Ratio Lower Upper
106 100
91 140.5 161.5 242.3#



#69
o-Xylene
Concen: 0.244 ug/l
RT: 9.490 min Scan# 2628
Delta R.T. 0.026 min
Lab File: VV039368.D
Acq: 12 Nov 2025 11:57

Tgt Ion:106 Resp: 2777
Ion Ratio Lower Upper
106 100
91 187.3 105.9 317.7

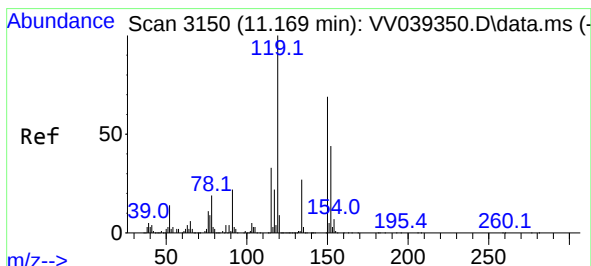
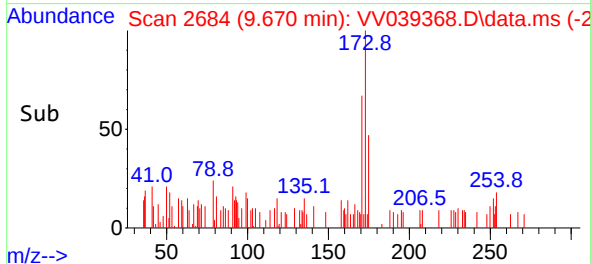
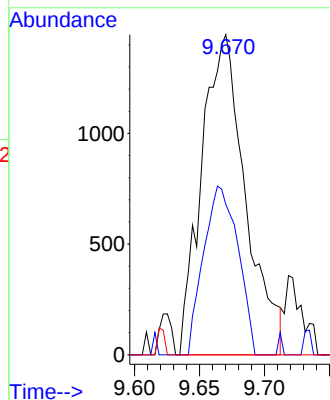
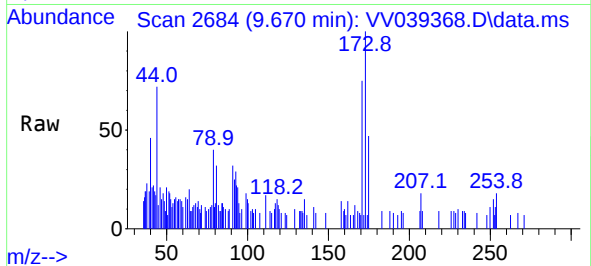




#71
Bromoform
Concen: 0.398 ug/l
RT: 9.670 min Scan# 2
Delta R.T. 0.019 min
Lab File: VV039368.D
Acq: 12 Nov 2025 11:57

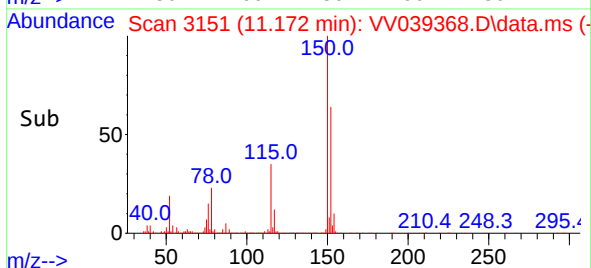
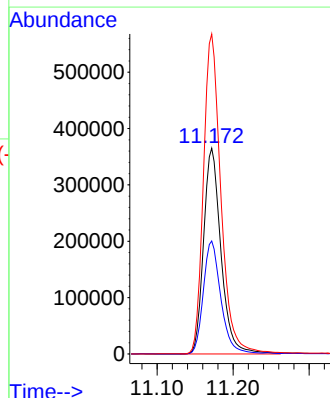
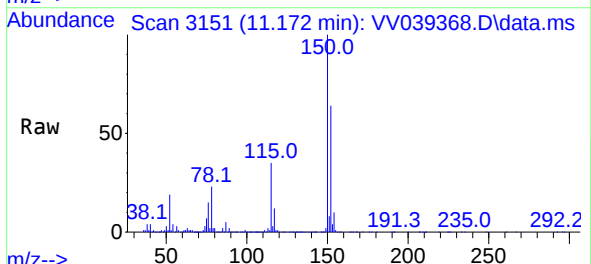
Instrument :
MSVOA_V
ClientSampleId :
LOD-MDL-WATER-01-QT4-2025

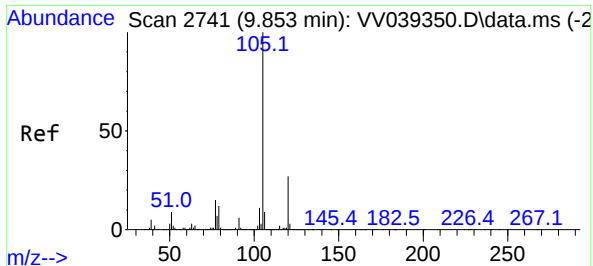
Tgt Ion:173 Resp: 3390
Ion Ratio Lower Upper
173 100
175 41.3 24.5 73.5
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.172 min Scan# 3151
Delta R.T. 0.003 min
Lab File: VV039368.D
Acq: 12 Nov 2025 11:57

Tgt Ion:152 Resp: 580724
Ion Ratio Lower Upper
152 100
115 55.2 37.3 111.9
150 156.4 0.0 340.4

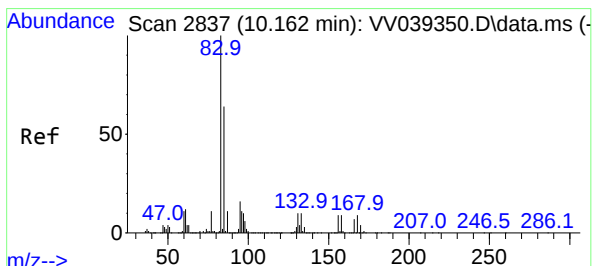
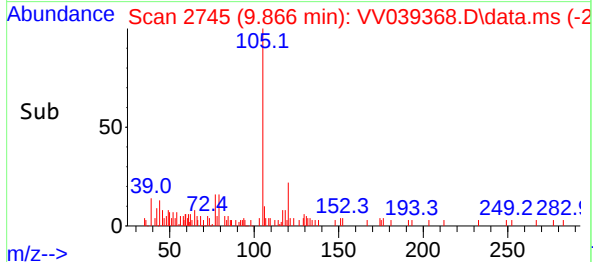
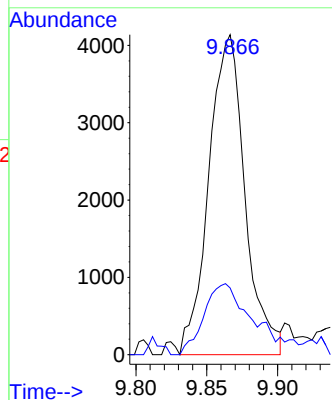
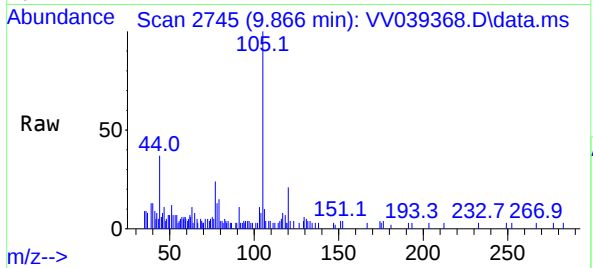




#73
Isopropylbenzene
Concen: 0.259 ug/l
RT: 9.866 min Scan# 21
Delta R.T. 0.013 min
Lab File: VV039368.D
Acq: 12 Nov 2025 11:57

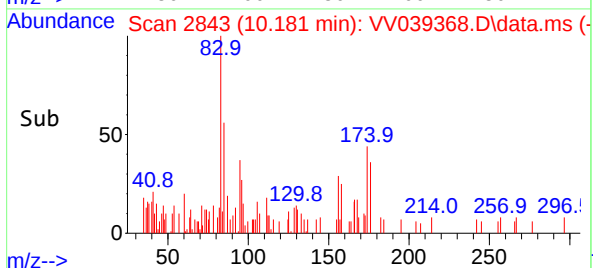
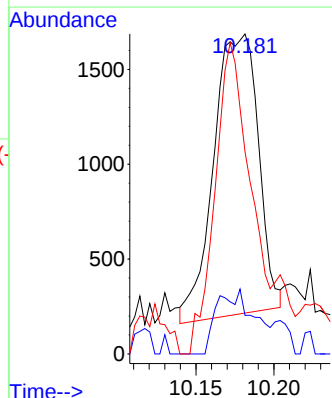
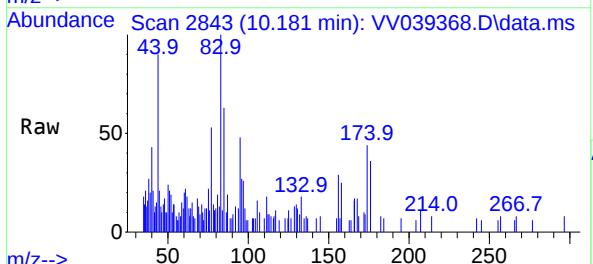
Instrument :
MSVOA_V
ClientSampleId :
LOD-MDL-WATER-01-QT4-2025

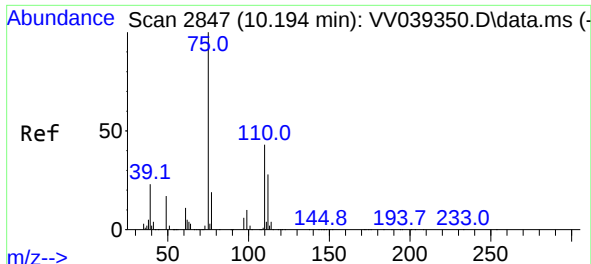
Tgt Ion:105 Resp: 7352
Ion Ratio Lower Upper
105 100
120 30.5 13.4 40.1



#75
1,1,2,2-Tetrachloroethane
Concen: 0.239 ug/l
RT: 10.181 min Scan# 2843
Delta R.T. 0.019 min
Lab File: VV039368.D
Acq: 12 Nov 2025 11:57

Tgt Ion: 83 Resp: 2946
Ion Ratio Lower Upper
83 100
131 19.2 5.4 16.2#
85 88.3 32.0 96.2

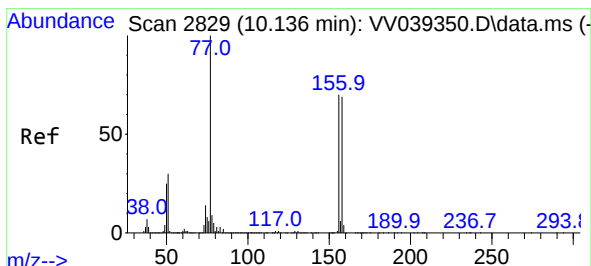
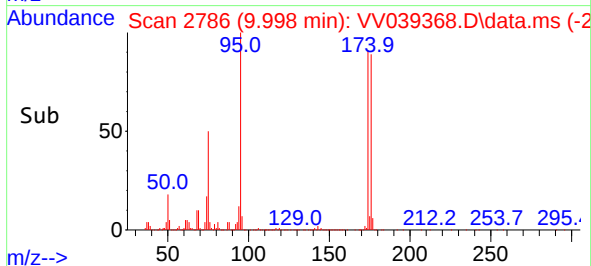
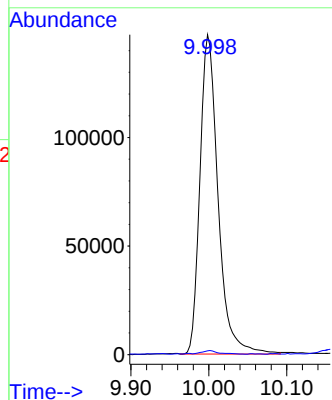
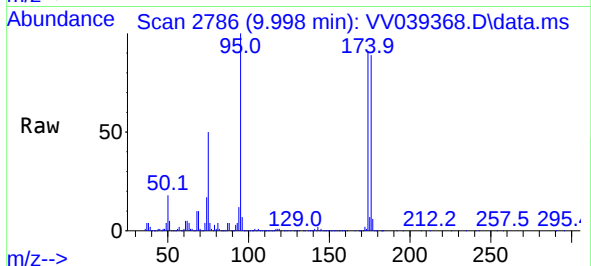




#76
1,2,3-Trichloropropane
Concen: 26.379 ug/l
RT: 9.998 min Scan# 21
Delta R.T. -0.196 min
Lab File: VV039368.D
Acq: 12 Nov 2025 11:57

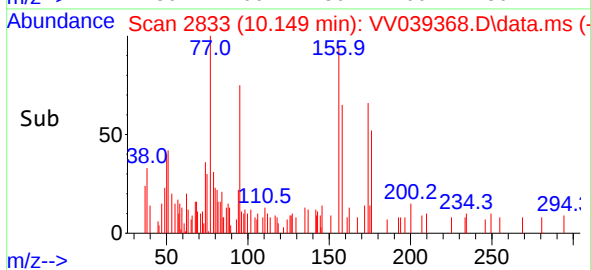
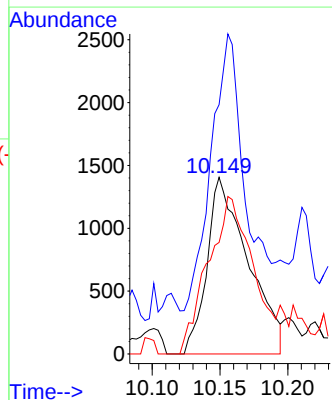
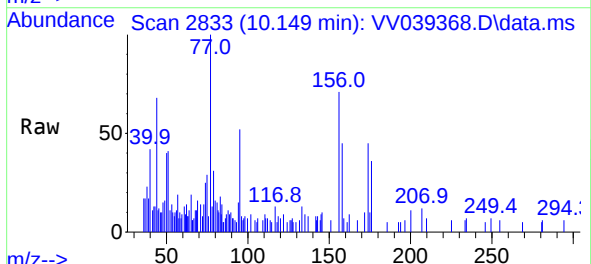
Instrument :
MSVOA_V
ClientSampleId :
LOD-MDL-WATER-01-QT4-2025

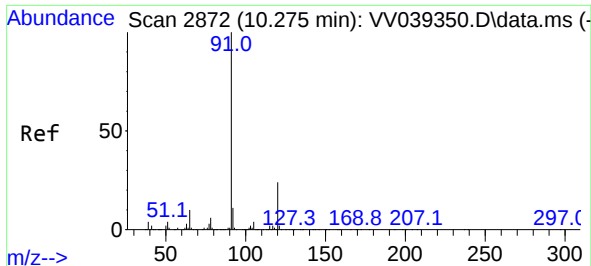
Tgt Ion: 75 Resp: 237774
Ion Ratio Lower Upper
75 100
77 1.0 11.8 35.3#



#77
Bromobenzene
Concen: 0.337 ug/l
RT: 10.149 min Scan# 2833
Delta R.T. 0.013 min
Lab File: VV039368.D
Acq: 12 Nov 2025 11:57

Tgt Ion:156 Resp: 2951
Ion Ratio Lower Upper
156 100
77 145.7 70.3 210.9
158 97.3 49.4 148.0

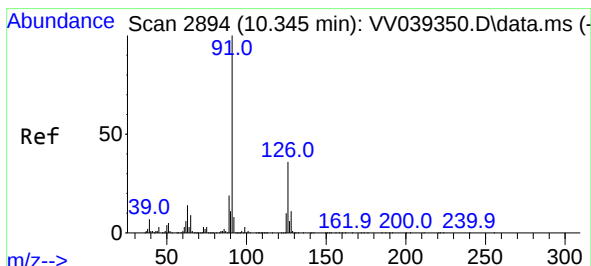
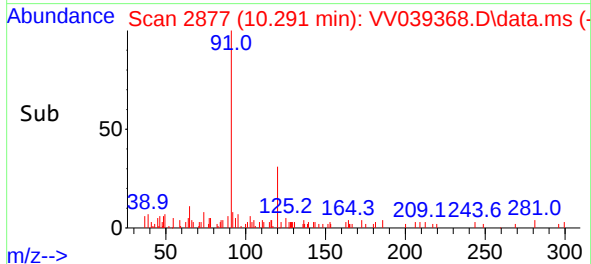
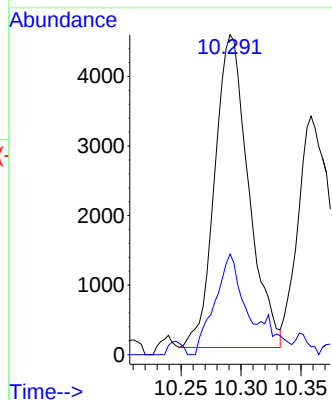
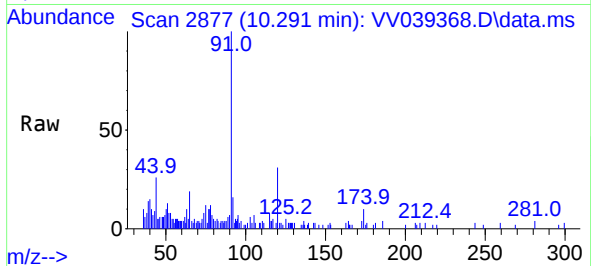




#78
n-propylbenzene
Concen: 0.271 ug/l
RT: 10.291 min Scan# 2877
Delta R.T. 0.016 min
Lab File: VV039368.D
Acq: 12 Nov 2025 11:57

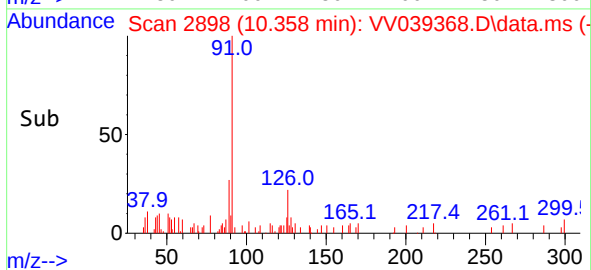
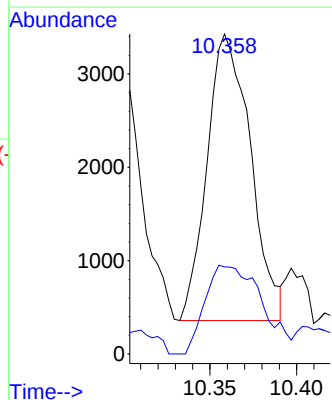
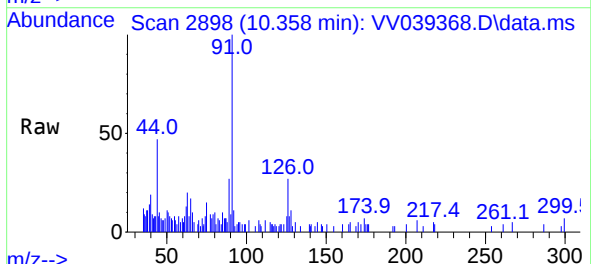
Instrument : MSVOA_V
ClientSampleId : LOD-MDL-WATER-01-QT4-2025

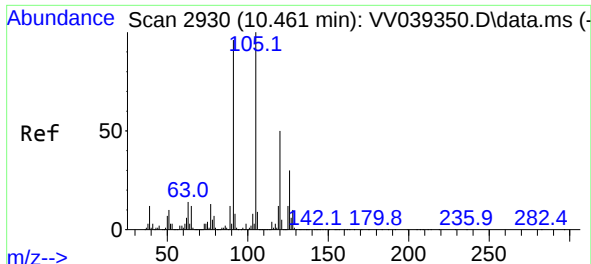
Tgt Ion: 91 Resp: 8813
Ion Ratio Lower Upper
91 100
120 27.2 12.0 36.0



#79
2-Chlorotoluene
Concen: 0.257 ug/l
RT: 10.358 min Scan# 2898
Delta R.T. 0.013 min
Lab File: VV039368.D
Acq: 12 Nov 2025 11:57

Tgt Ion: 91 Resp: 5353
Ion Ratio Lower Upper
91 100
126 40.1 17.6 52.8

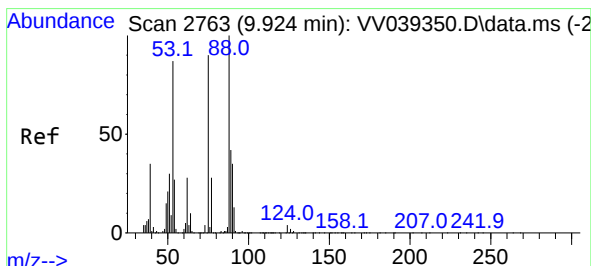
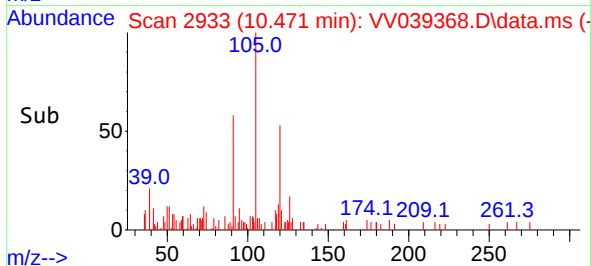
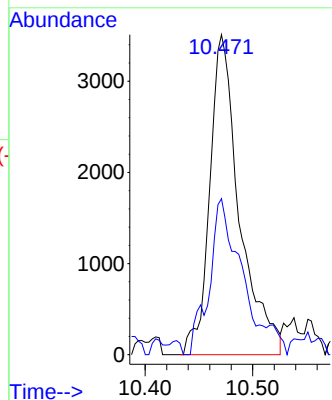
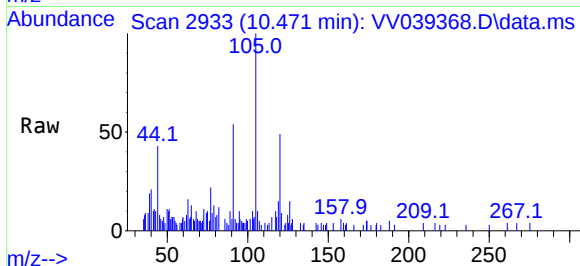




#80
1,3,5-Trimethylbenzene
Concen: 0.291 ug/l
RT: 10.471 min Scan# 2930
Delta R.T. 0.010 min
Lab File: VV039368.D
Acq: 12 Nov 2025 11:57

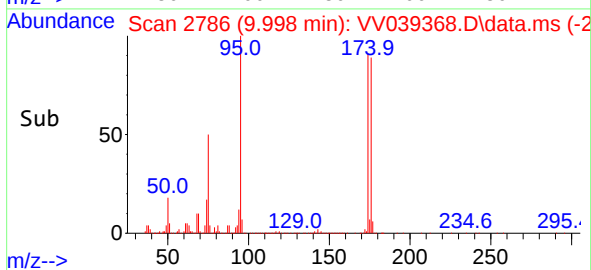
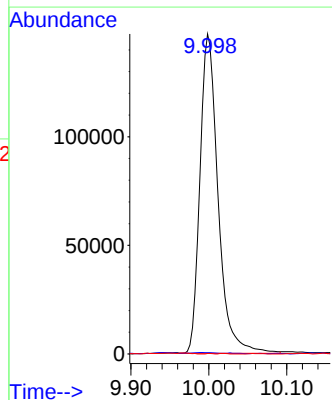
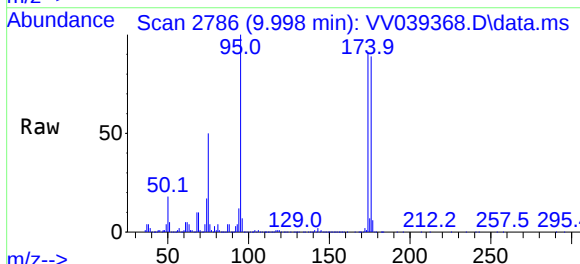
Instrument : MSVOA_V
ClientSampleId : LOD-MDL-WATER-01-QT4-2025

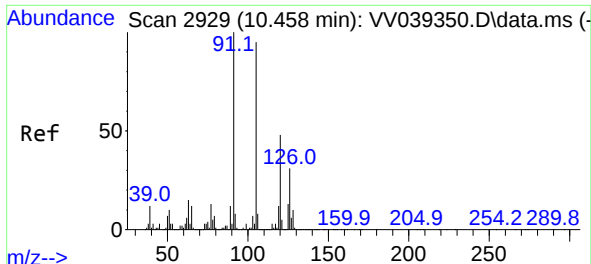
Tgt Ion:105 Resp: 6749
Ion Ratio Lower Upper
105 100
120 51.3 25.1 75.4



#81
trans-1,4-Dichloro-2-butene
Concen: 70.713 ug/l
RT: 9.998 min Scan# 2786
Delta R.T. 0.074 min
Lab File: VV039368.D
Acq: 12 Nov 2025 11:57

Tgt Ion: 75 Resp: 237774
Ion Ratio Lower Upper
75 100
53 0.3 79.0 118.6#
89 0.0 40.4 60.6#

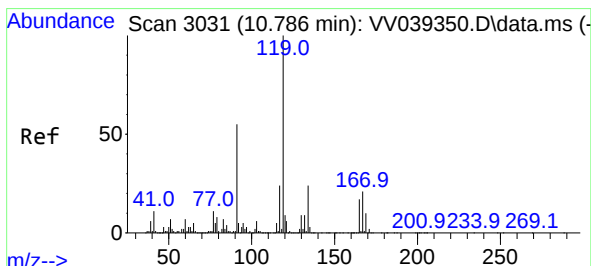
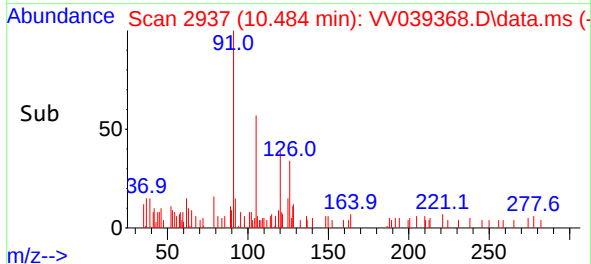
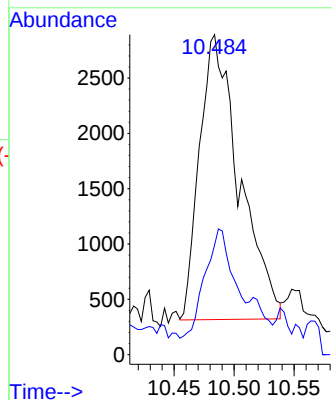
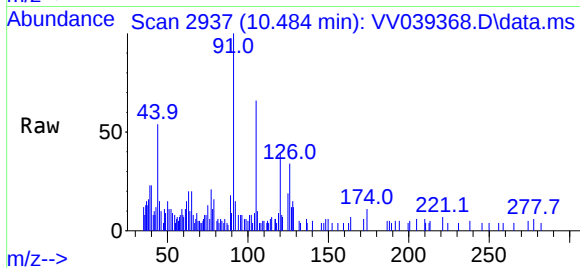




#82
4-Chlorotoluene
Concen: 0.256 ug/l
RT: 10.484 min Scan# 2929
Delta R.T. 0.026 min
Lab File: VV039368.D
Acq: 12 Nov 2025 11:57

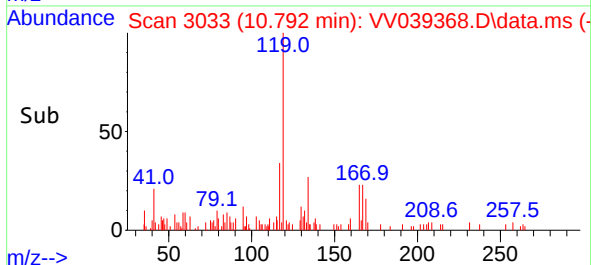
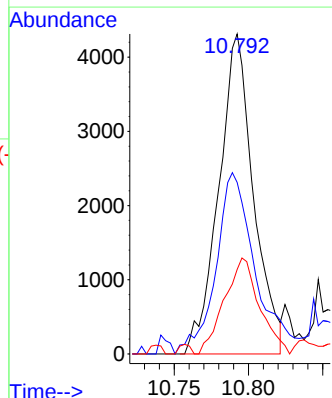
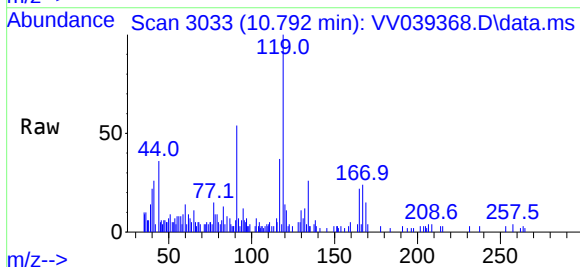
Instrument : MSVOA_V
ClientSampleId : LOD-MDL-WATER-01-QT4-2025

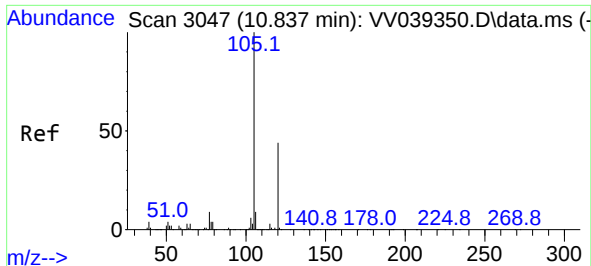
Tgt Ion: 91 Resp: 5956
Ion Ratio Lower Upper
91 100
126 26.3 15.3 45.9



#83
tert-Butylbenzene
Concen: 0.275 ug/l
RT: 10.792 min Scan# 3033
Delta R.T. 0.006 min
Lab File: VV039368.D
Acq: 12 Nov 2025 11:57

Tgt Ion: 119 Resp: 7012
Ion Ratio Lower Upper
119 100
91 64.2 26.5 79.5
134 30.4 11.9 35.5

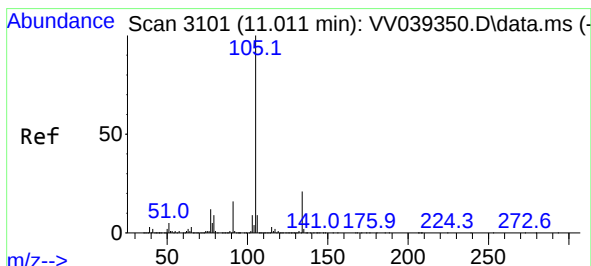
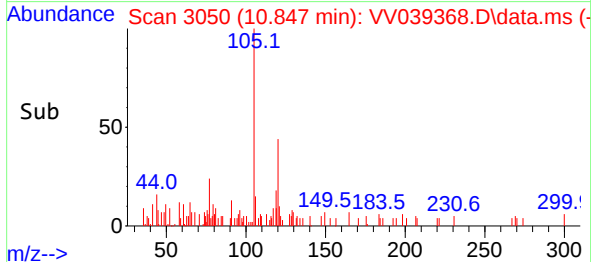
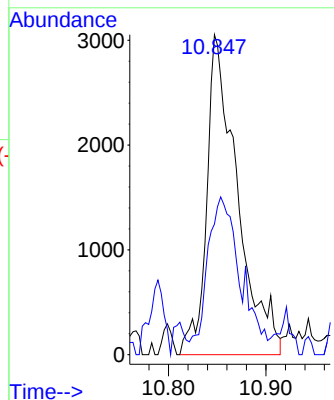
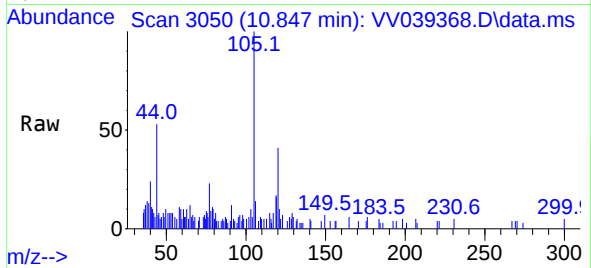




#84
1,2,4-Trimethylbenzene
Concen: 0.296 ug/l
RT: 10.847 min Scan# 3047
Delta R.T. 0.010 min
Lab File: VV039368.D
Acq: 12 Nov 2025 11:57

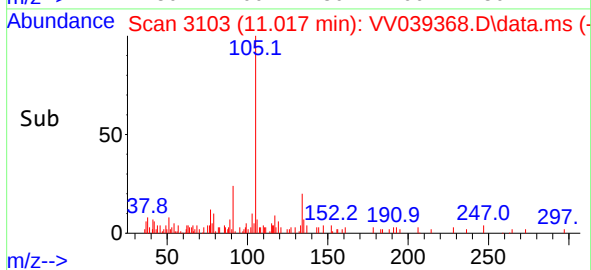
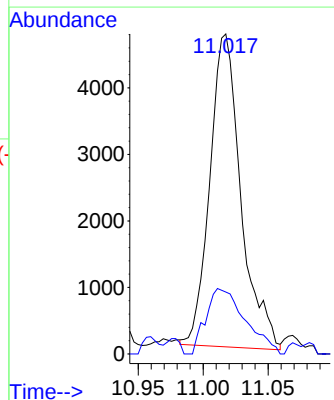
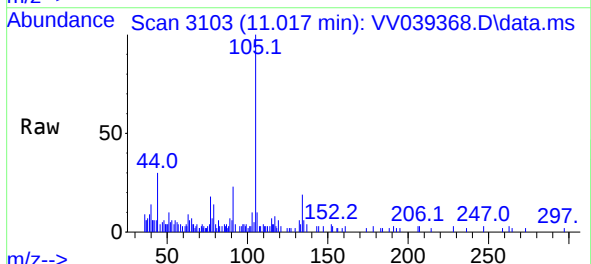
Instrument :
MSVOA_V
ClientSampleId :
LOD-MDL-WATER-01-QT4-2025

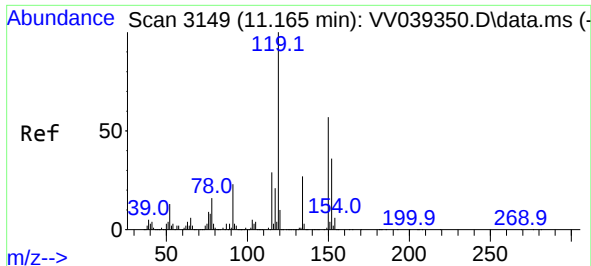
Tgt Ion:105 Resp: 6678
Ion Ratio Lower Upper
105 100
120 38.4 23.0 69.0



#85
sec-Butylbenzene
Concen: 0.259 ug/l
RT: 11.017 min Scan# 3103
Delta R.T. 0.006 min
Lab File: VV039368.D
Acq: 12 Nov 2025 11:57

Tgt Ion:105 Resp: 7836
Ion Ratio Lower Upper
105 100
134 26.4 10.5 31.6

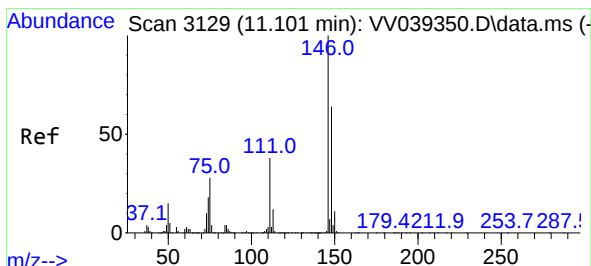
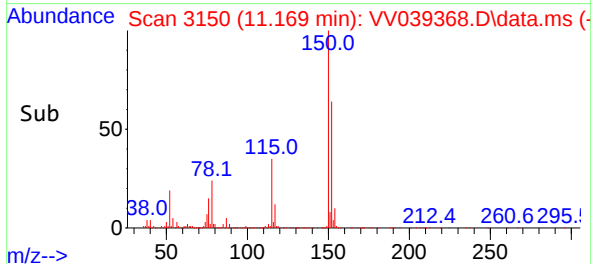
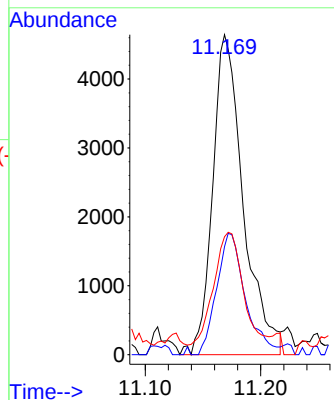
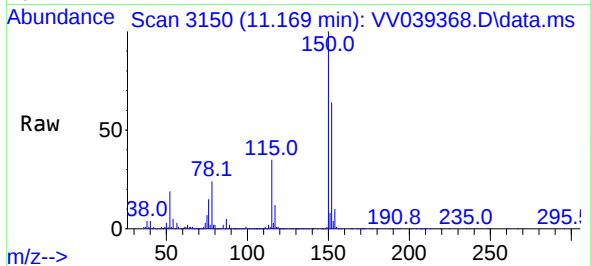




#86
p-Isopropyltoluene
Concen: 0.327 ug/l
RT: 11.169 min Scan# 3149
Delta R.T. 0.003 min
Lab File: VV039368.D
Acq: 12 Nov 2025 11:57

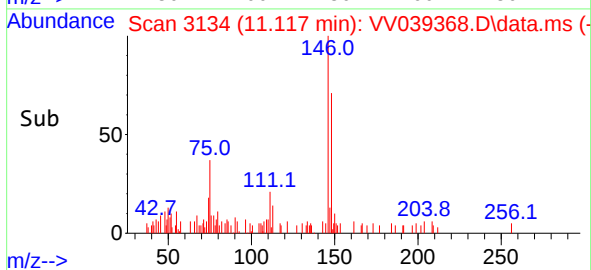
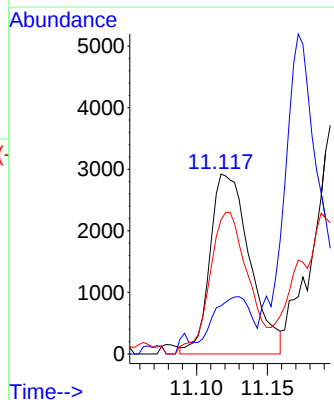
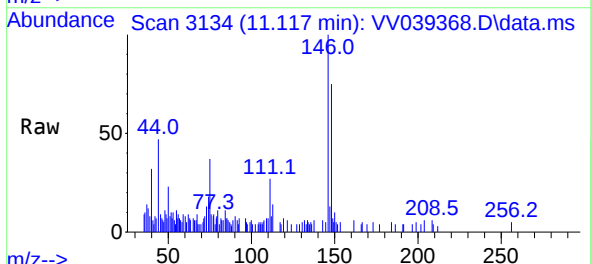
Instrument : MSVOA_V
ClientSampleId : LOD-MDL-WATER-01-QT4-2025

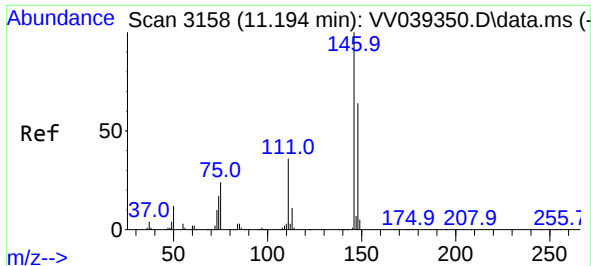
Tgt Ion:	119	Resp:	8521
Ion	Ratio	Lower	Upper
119	100		
134	35.4	13.4	40.2
91	33.2	11.5	34.4



#87
1,3-Dichlorobenzene
Concen: 0.340 ug/l
RT: 11.117 min Scan# 3134
Delta R.T. 0.016 min
Lab File: VV039368.D
Acq: 12 Nov 2025 11:57

Tgt Ion:	146	Resp:	5705
Ion	Ratio	Lower	Upper
146	100		
111	23.1	18.8	56.4
148	76.5	31.9	95.5

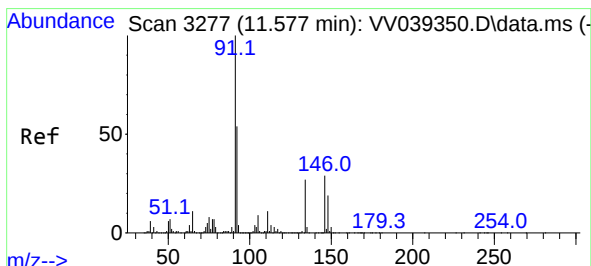
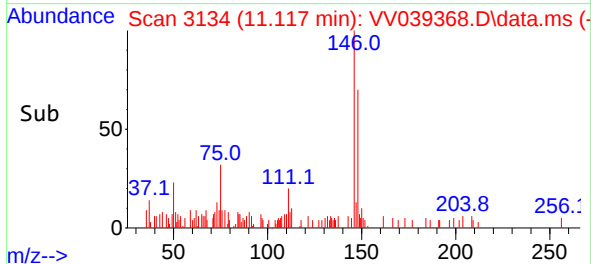
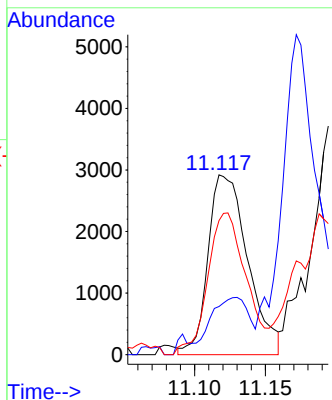
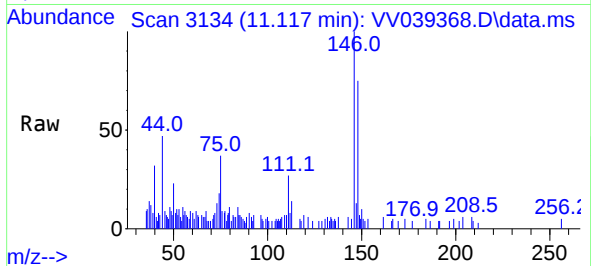




#88
1,4-Dichlorobenzene
Concen: 0.312 ug/l
RT: 11.117 min Scan# 3158
Delta R.T. -0.077 min
Lab File: VV039368.D
Acq: 12 Nov 2025 11:57

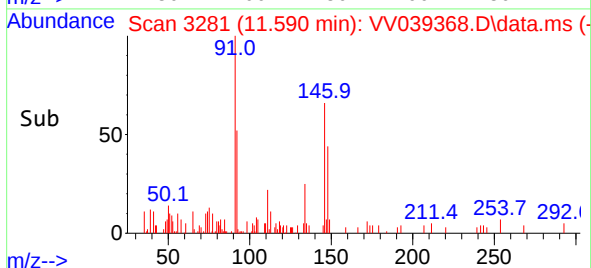
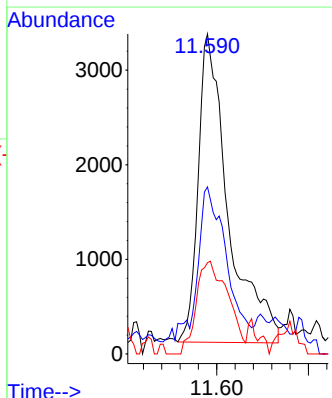
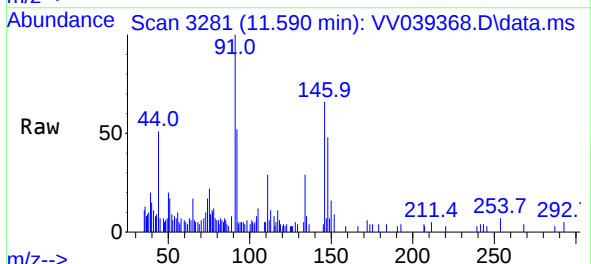
Instrument : MSVOA_V
ClientSampleId : LOD-MDL-WATER-01-QT4-2025

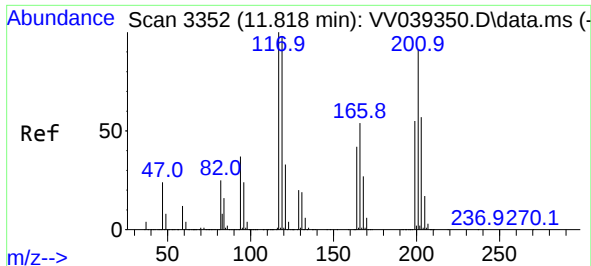
Tgt Ion:	146	Resp:	5705
Ion	Ratio	Lower	Upper
146	100		
111	23.1	18.6	55.8
148	76.5	32.0	96.2



#89
n-Butylbenzene
Concen: 0.320 ug/l
RT: 11.590 min Scan# 3281
Delta R.T. 0.013 min
Lab File: VV039368.D
Acq: 12 Nov 2025 11:57

Tgt Ion:	91	Resp:	7435
Ion	Ratio	Lower	Upper
91	100		
92	47.8	26.9	80.7
134	31.8	13.5	40.5

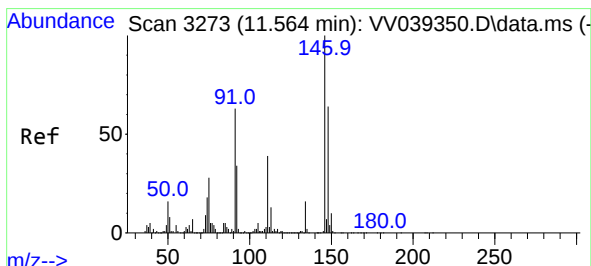
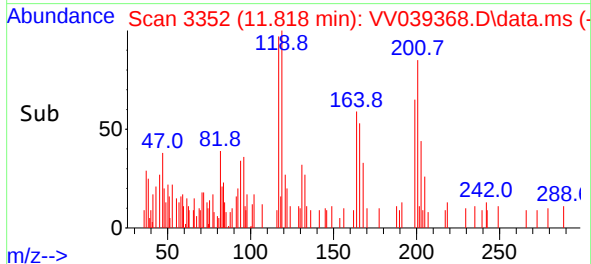
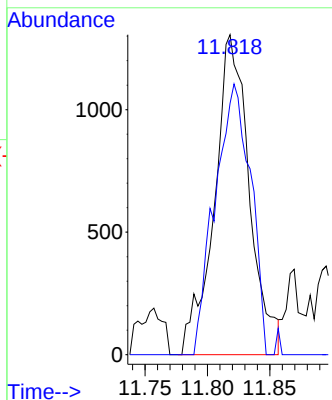
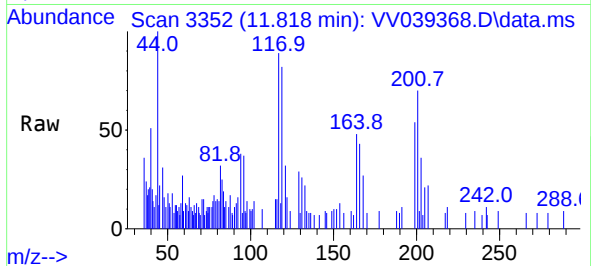




#90
Hexachloroethane
Concen: 0.392 ug/l
RT: 11.818 min Scan# 311
Delta R.T. 0.000 min
Lab File: VV039368.D
Acq: 12 Nov 2025 11:57

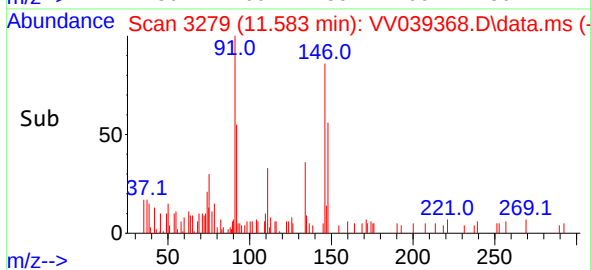
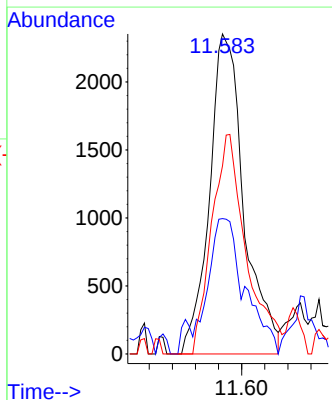
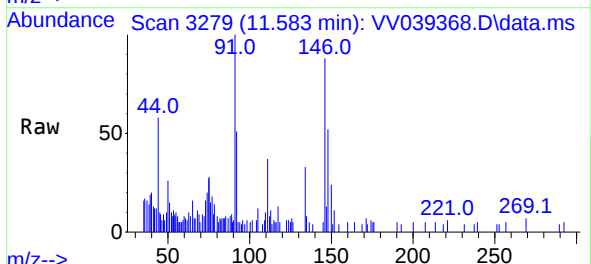
Instrument :
MSVOA_V
ClientSampleId :
LOD-MDL-WATER-01-QT4-2025

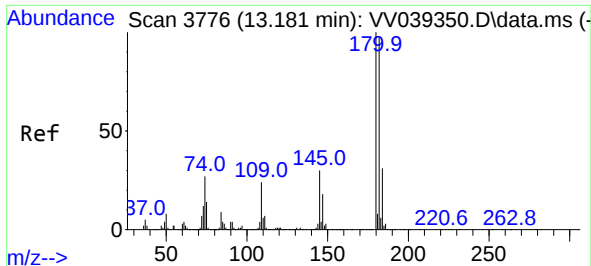
Tgt Ion:117 Resp: 2547
Ion Ratio Lower Upper
117 100
201 86.1 45.3 135.8



#91
1,2-Dichlorobenzene
Concen: 0.296 ug/l
RT: 11.583 min Scan# 3279
Delta R.T. 0.019 min
Lab File: VV039368.D
Acq: 12 Nov 2025 11:57

Tgt Ion:146 Resp: 4869
Ion Ratio Lower Upper
146 100
111 44.7 19.5 58.5
148 69.0 32.0 96.0

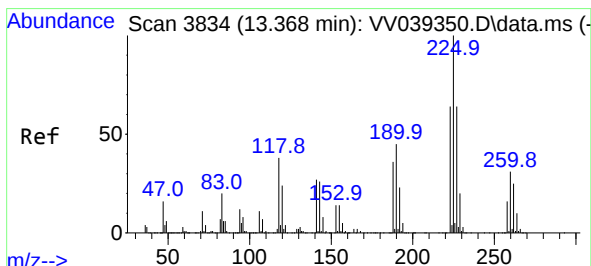
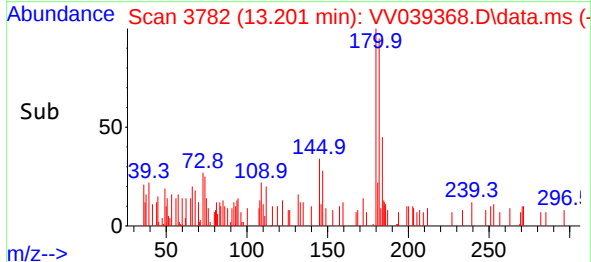
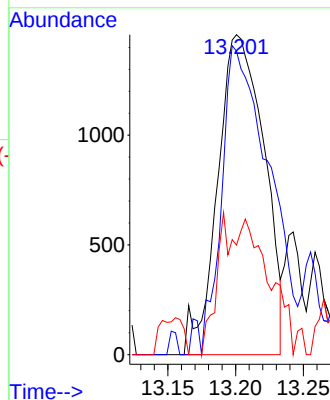
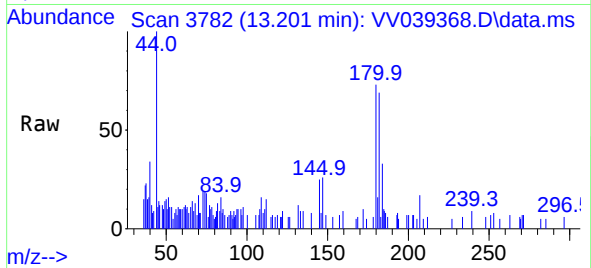




#93
1,2,4-Trichlorobenzene
Concen: 0.332 ug/l
RT: 13.201 min Scan# 31
Delta R.T. 0.019 min
Lab File: VV039368.D
Acq: 12 Nov 2025 11:57

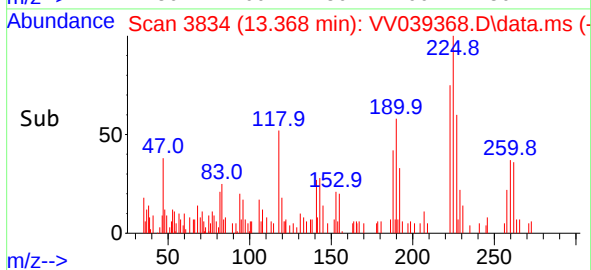
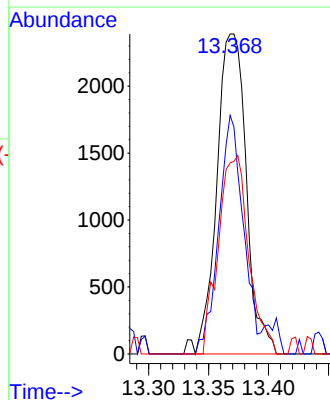
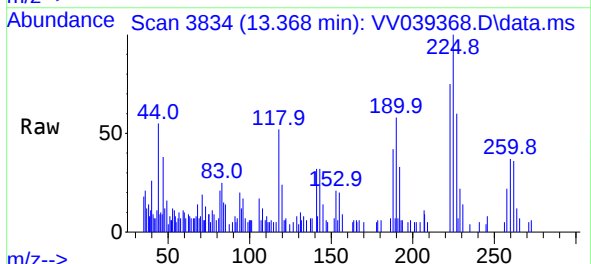
Instrument :
MSVOA_V
ClientSampleId :
LOD-MDL-WATER-01-QT4-2025

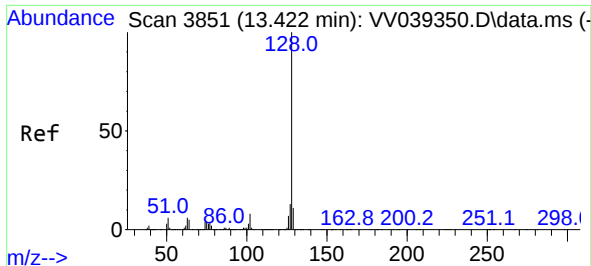
Tgt Ion:	180	Resp:	3461
Ion Ratio	Lower	Upper	
180	100		
182	98.4	48.5	145.5
145	17.4	14.6	43.8



#94
Hexachlorobutadiene
Concen: 0.737 ug/l
RT: 13.368 min Scan# 3834
Delta R.T. 0.000 min
Lab File: VV039368.D
Acq: 12 Nov 2025 11:57

Tgt Ion:	225	Resp:	4095
Ion Ratio	Lower	Upper	
225	100		
223	62.4	31.1	93.5
227	63.7	31.7	95.1

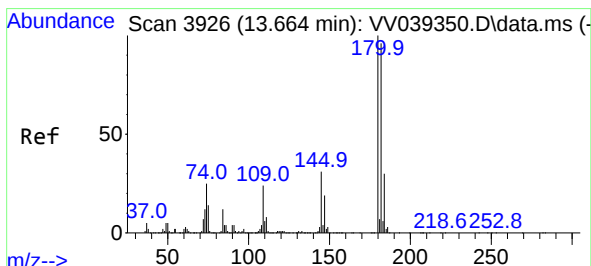
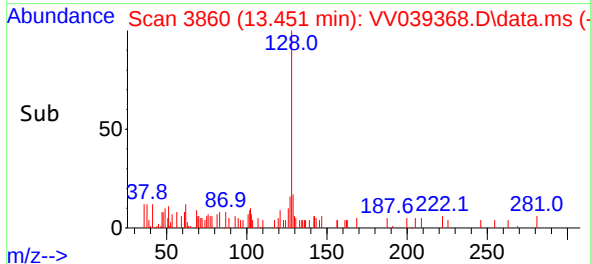
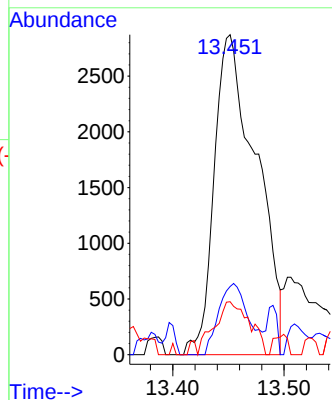
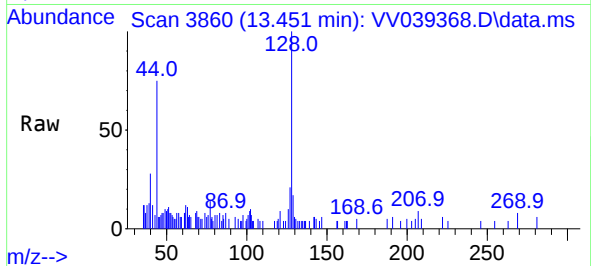




#95
Naphthalene
Concen: 0.270 ug/l
RT: 13.451 min Scan# 3860
Delta R.T. 0.029 min
Lab File: VV039368.D
Acq: 12 Nov 2025 11:57

Instrument :
MSVOA_V
ClientSampleId :
LOD-MDL-WATER-01-QT4-2025

Tgt Ion:	128	Resp:	7538
Ion	Ratio	Lower	Upper
128	100		
127	15.7	10.4	15.6#
129	13.9	8.4	12.6#



#96
1,2,3-Trichlorobenzene
Concen: 0.334 ug/l
RT: 13.683 min Scan# 3932
Delta R.T. 0.019 min
Lab File: VV039368.D
Acq: 12 Nov 2025 11:57

Tgt Ion:	180	Resp:	3591
Ion	Ratio	Lower	Upper
180	100		
182	93.0	47.9	143.6
145	9.9	15.3	45.9#

