

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV111925\
 Data File : VV039411.D
 Acq On : 19 Nov 2025 13:56
 Operator : SY/MD
 Sample : Q3589-01
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL-WATER-QT4-2025-07

Quant Time: Nov 20 04:01:12 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR111925WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Nov 20 03:43:48 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.535	114	306191	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.776	117	337138	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.175	152	189219	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.291	65	209826	4.987	ug/L	0.00
Spiked Amount	5.000	Range 40 - 130	Recovery	=	99.800%	
7) Chloroethane-d5	1.545	69	179847	4.880	ug/L	0.00
Spiked Amount	5.000	Range 65 - 130	Recovery	=	97.600%	
11) 1,1-Dichloroethene-d2	2.073	65	94662	4.956	ug/L	0.00
Spiked Amount	5.000	Range 60 - 125	Recovery	=	99.200%	
20) 2-Butanone-d5	3.786	46	321485	47.007	ug/L	0.00
Spiked Amount	50.000	Range 40 - 130	Recovery	=	94.020%	
24) Chloroform-d	4.252	84	437195	4.783	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	95.600%	
26) 1,2-Dichloroethane-d4	4.941	65	203998	5.084	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	101.600%	
32) Benzene-d6	4.957	84	817159	5.169	ug/L	0.00
Spiked Amount	5.000	Range 70 - 125	Recovery	=	103.400%	
36) 1,2-Dichloropropane-d6	5.982	67	258783	5.354	ug/L	0.00
Spiked Amount	5.000	Range 60 - 140	Recovery	=	107.000%	
41) Toluene-d8	7.236	98	667660	4.603	ug/L	0.00
Spiked Amount	5.000	Range 70 - 130	Recovery	=	92.000%	
43) trans-1,3-Dichloroprop...	7.551	79	81397	4.719	ug/L	0.00
Spiked Amount	5.000	Range 55 - 130	Recovery	=	94.400%	
46) 2-Hexanone-d5	8.011	63	242440	46.720	ug/L	0.00
Spiked Amount	50.000	Range 45 - 130	Recovery	=	93.440%	
56) 1,1,2,2-Tetrachloroeth...	10.143	84	158808	4.900	ug/L	0.00
Spiked Amount	5.000	Range 65 - 120	Recovery	=	98.000%	
66) 1,2-Dichlorobenzene-d4	11.548	152	227244	5.676	ug/L	0.00
Spiked Amount	5.000	Range 80 - 120	Recovery	=	113.600%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.121	85	9023	0.273	ug/L	99
3) Chloromethane	1.227	50	6746	0.277	ug/L	98
5) Vinyl chloride	1.294	62	7627	0.268	ug/L #	42
6) Bromomethane	1.500	94	4906	0.299	ug/L	92
8) Chloroethane	1.561	64	4934	0.237	ug/L	96
9) Trichlorofluoromethane	1.725	101	13682	0.247	ug/L	93
10) 1,1,2-Trichloro-1,2,2-...	2.079	101	12713	0.349	ug/L #	78
12) 1,1-Dichloroethene	2.079	96	9363	0.359	ug/L #	1
14) Carbon disulfide	2.253	76	12297	0.285	ug/L	95
15) Methyl Acetate	2.413	43	3099	0.274	ug/L	98
16) Methylene chloride	2.455	84	13925	0.369	ug/L	98
17) Methyl tert-butyl Ether	2.709	73	14586	0.233	ug/L	97
18) trans-1,2-Dichloroethene	2.709	96	7455	0.270	ug/L	92
19) 1,1-Dichloroethane	3.124	63	17413	0.252	ug/L	97
21) 2-Butanone	3.918	43	18471m	2.655	ug/L	
22) cis-1,2-Dichloroethene	3.825	96	7613	0.226	ug/L	94
23) Bromochloromethane	4.179	128	5905m	0.385	ug/L	
25) Chloroform	4.278	83	23637	0.313	ug/L	94
27) 1,2-Dichloroethane	5.072	62	8570	0.224	ug/L	97

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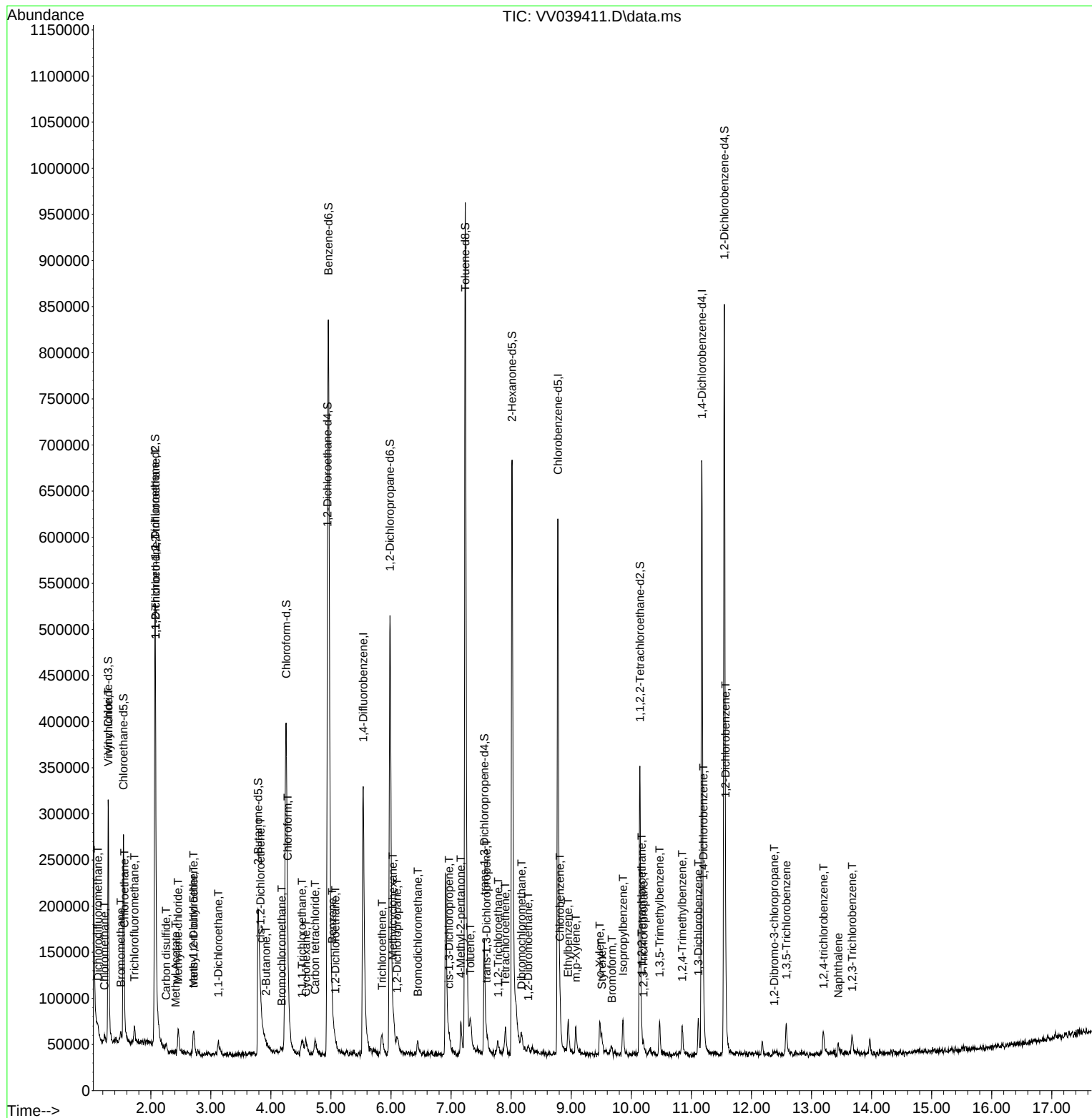
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
29) 1,1,1-Trichloroethane	4.516	97	16475	0.262	ug/L #	83
30) Cyclohexane	4.584	56	8685	0.242	ug/L #	86
31) Carbon tetrachloride	4.735	117	13333	0.241	ug/L	85
33) Benzene	5.018	78	28590	0.231	ug/L	100
34) Trichloroethene	5.851	95	9037	0.266	ug/L	91
35) Methylcyclohexane	6.031	83	11196	0.294	ug/L #	69
37) 1,2-Dichloropropane	6.098	63	7472	0.203	ug/L #	94
38) Bromodichloromethane	6.445	83	12022	0.236	ug/L #	94
39) cis-1,3-Dichloropropene	6.963	75	8774m	0.188	ug/L	
40) 4-Methyl-2-pentanone	7.159	43	35682m	2.188	ug/L	
42) Toluene	7.320	91	32368	0.244	ug/L	97
44) trans-1,3-Dichloropropene	7.587	75	8585	0.207	ug/L	100
45) 1,1,2-Trichloroethane	7.780	97	6415	0.238	ug/L	91
47) Tetrachloroethene	7.902	164	8428	0.276	ug/L	90
49) Dibromochloromethane	8.172	129	9856	0.289	ug/L	83
50) 1,2-Dibromoethane	8.284	107	5883	0.261	ug/L	96
51) Chlorobenzene	8.812	112	25946	0.271	ug/L	96
52) Ethylbenzene	8.947	91	30134	0.210	ug/L	96
53) m,p-Xylene	9.075	106	9917	0.180	ug/L	96
54) o-Xylene	9.474	106	11116	0.209	ug/L	94
55) Styrene	9.510	104	18843m	0.200	ug/L	
57) 1,1,2,2-Tetrachloroethane	10.172	83	7863	0.245	ug/L #	86
59) Bromoform	9.674	173	5017	0.296	ug/L	95
60) Isopropylbenzene	9.860	105	27271	0.224	ug/L	99
61) 1,2,3-Trichloropropane	10.204	75	5219	0.308	ug/L #	73
62) 1,3,5-Trimethylbenzene	10.471	105	20739	0.222	ug/L	93
63) 1,2,4-Trimethylbenzene	10.847	105	20831	0.225	ug/L	94
64) 1,3-Dichlorobenzene	11.117	146	17551	0.262	ug/L	94
65) 1,4-Dichlorobenzene	11.198	146	18395	0.267	ug/L	91
67) 1,2-Dichlorobenzene	11.567	146	19002	0.313	ug/L	96
68) 1,2-Dibromo-3-chloropr...	12.378	75	1252	0.315	ug/L #	58
69) 1,3,5-Trichlorobenzene	12.580	180	15063	0.299	ug/L	92
70) 1,2,4-trichlorobenzene	13.197	180	11145	0.290	ug/L	94
71) Naphthalene	13.445	128	10900	0.230	ug/L #	93
72) 1,2,3-Trichlorobenzene	13.677	180	8276	0.241	ug/L	87

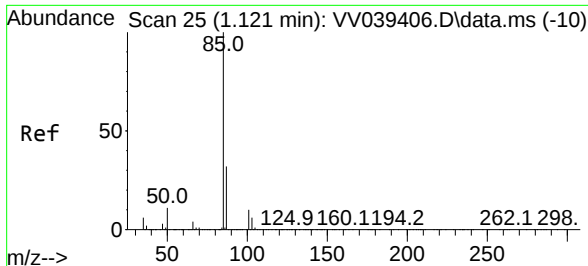
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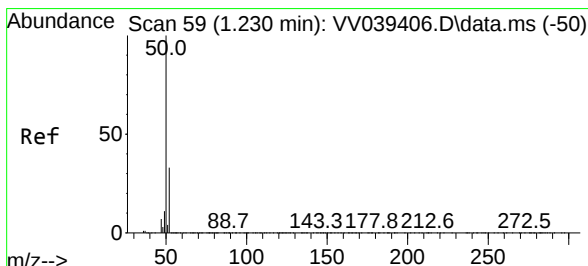
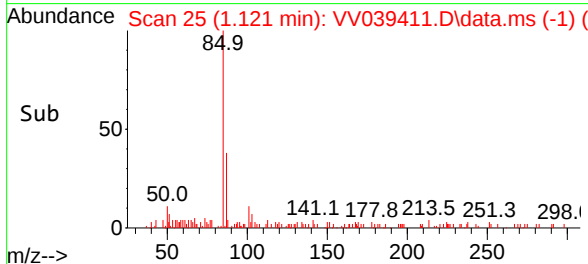
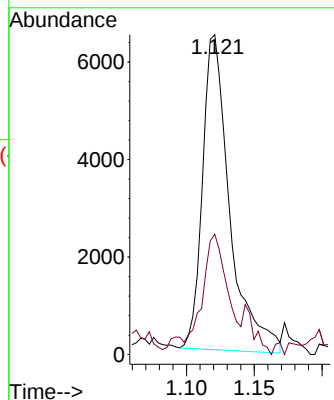
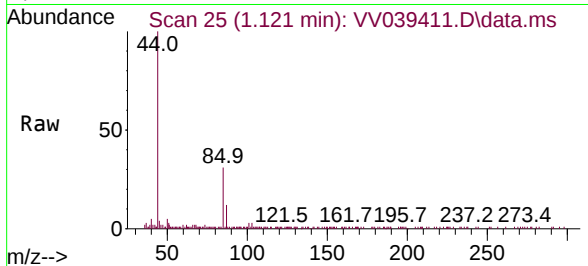




#2
 Dichlorodifluoromethane
 Concen: 0.273 ug/L
 RT: 1.121 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VV039411.D
 Acq: 19 Nov 2025 13:56

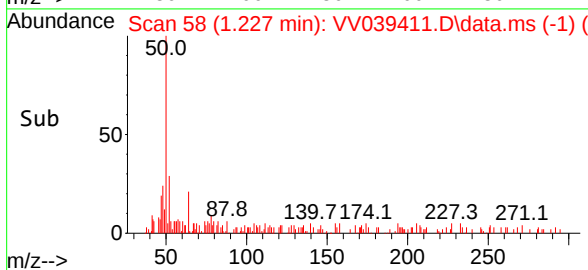
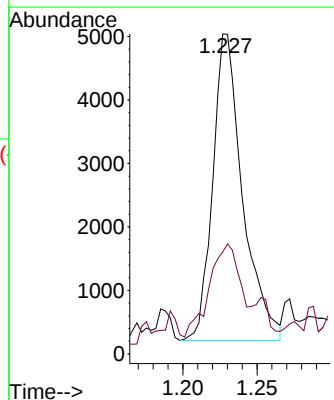
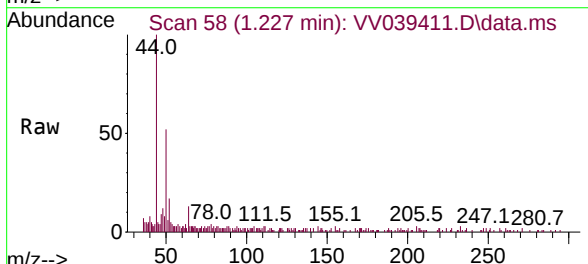
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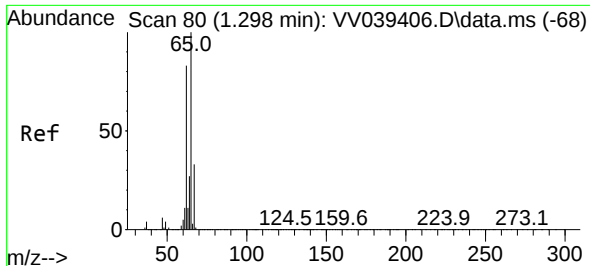
Tgt Ion: 85 Resp: 9023
 Ion Ratio Lower Upper
 85 100
 87 32.7 25.8 38.8



#3
 Chloromethane
 Concen: 0.277 ug/L
 RT: 1.227 min Scan# 58
 Delta R.T. -0.003 min
 Lab File: VV039411.D
 Acq: 19 Nov 2025 13:56

Tgt Ion: 50 Resp: 6746
 Ion Ratio Lower Upper
 50 100
 52 31.8 23.2 43.2

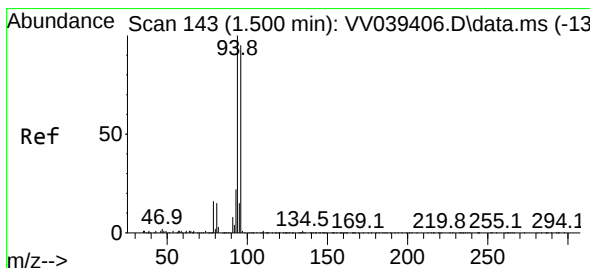
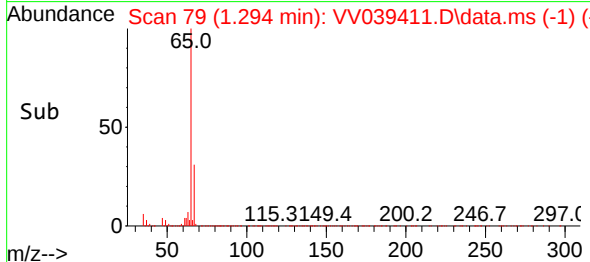
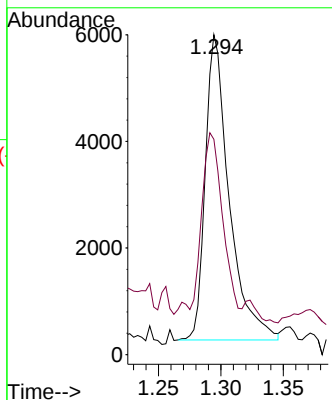
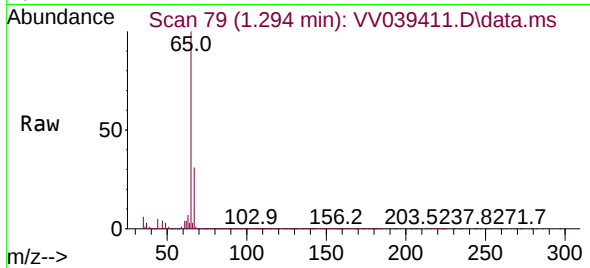




#5
 Vinyl chloride
 Concen: 0.268 ug/L
 RT: 1.294 min Scan# 79
 Delta R.T. -0.003 min
 Lab File: VV039411.D
 Acq: 19 Nov 2025 13:56

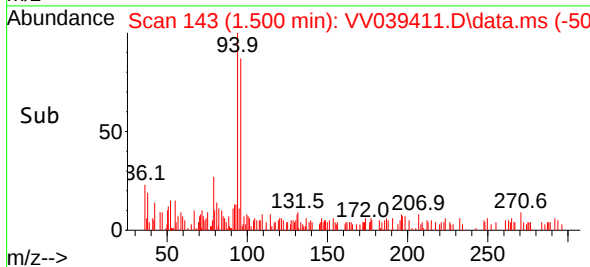
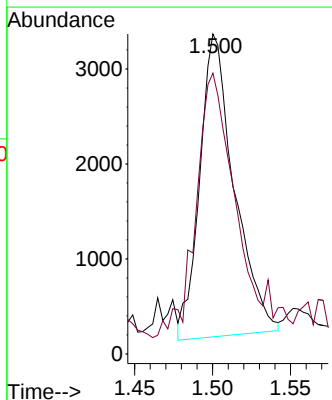
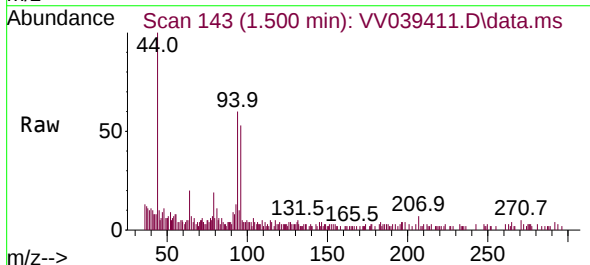
Instrument :
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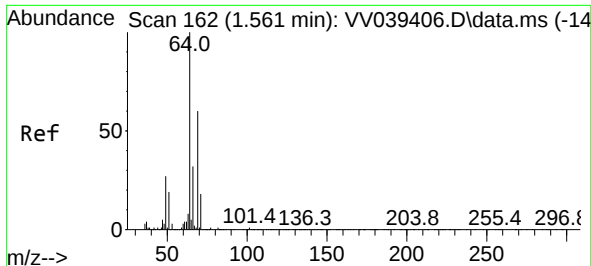
Tgt Ion: 62 Resp: 7627
 Ion Ratio Lower Upper
 62 100
 64 67.3 23.7 44.1#



#6
 Bromomethane
 Concen: 0.299 ug/L
 RT: 1.500 min Scan# 143
 Delta R.T. 0.000 min
 Lab File: VV039411.D
 Acq: 19 Nov 2025 13:56

Tgt Ion: 94 Resp: 4906
 Ion Ratio Lower Upper
 94 100
 96 87.7 67.2 124.8

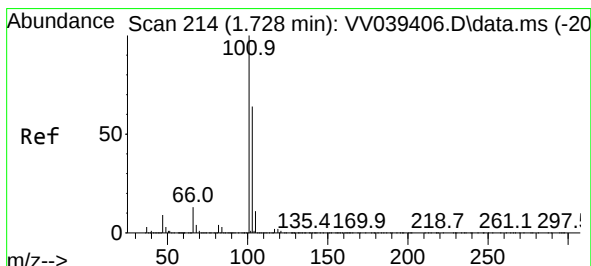
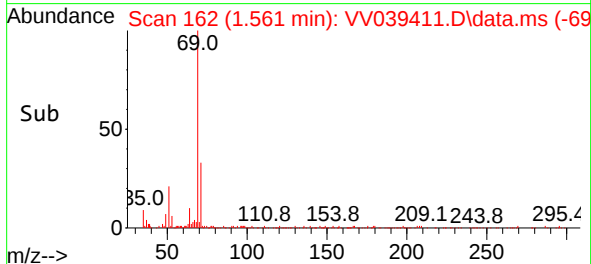
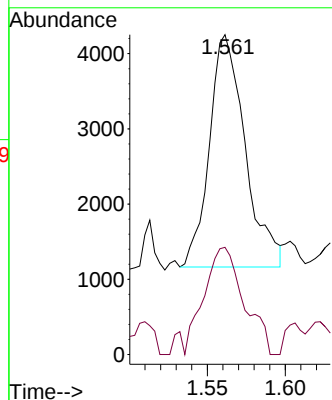
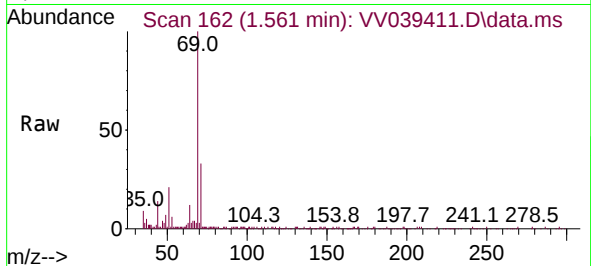




#8
Chloroethane
Concen: 0.237 ug/L
RT: 1.561 min Scan# 11
Delta R.T. 0.000 min
Lab File: VV039411.D
Acq: 19 Nov 2025 13:56

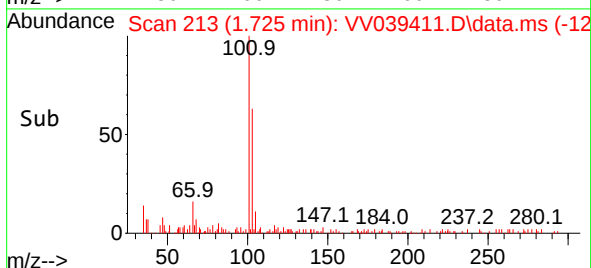
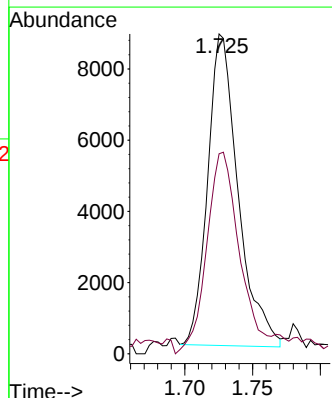
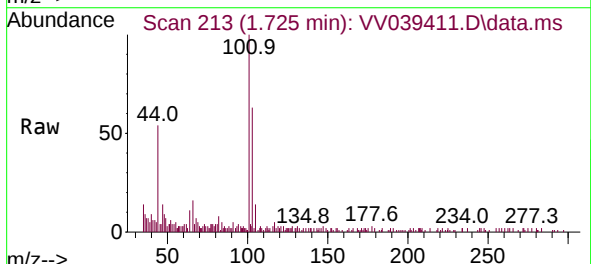
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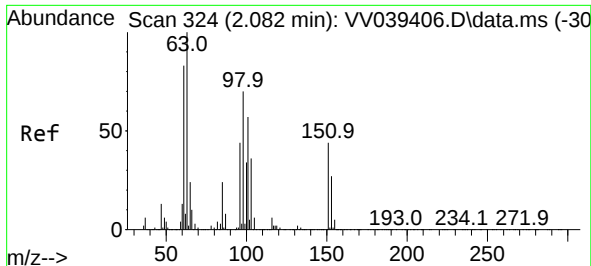
Tgt Ion: 64 Resp: 4934
Ion Ratio Lower Upper
64 100
66 33.5 22.0 41.0



#9
Trichlorofluoromethane
Concen: 0.247 ug/L
RT: 1.725 min Scan# 213
Delta R.T. -0.003 min
Lab File: VV039411.D
Acq: 19 Nov 2025 13:56

Tgt Ion: 101 Resp: 13682
Ion Ratio Lower Upper
101 100
103 70.0 51.4 77.2

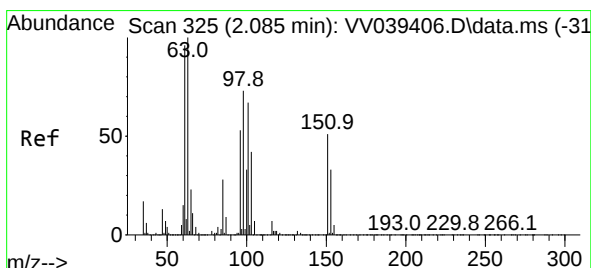
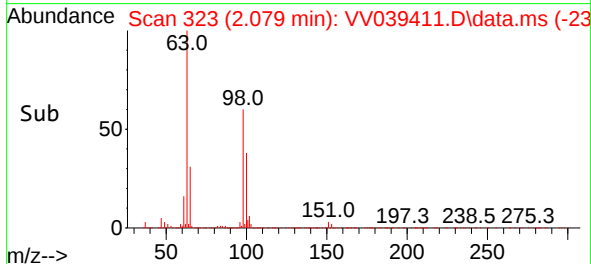
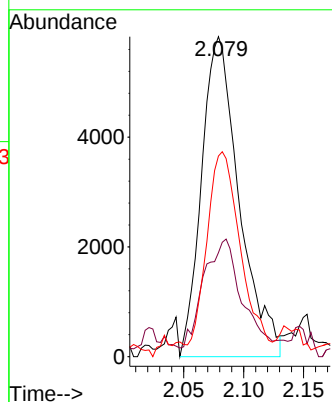
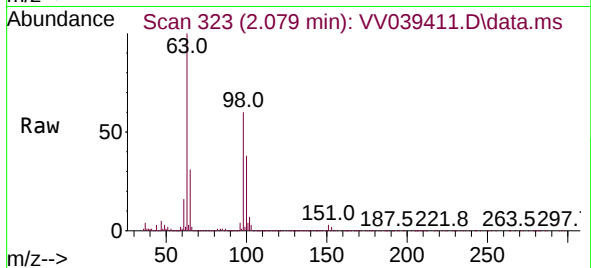




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.349 ug/L
RT: 2.079 min Scan# 31
Delta R.T. -0.003 min
Lab File: VV039411.D
Acq: 19 Nov 2025 13:56

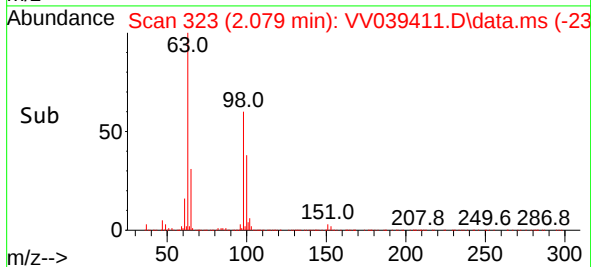
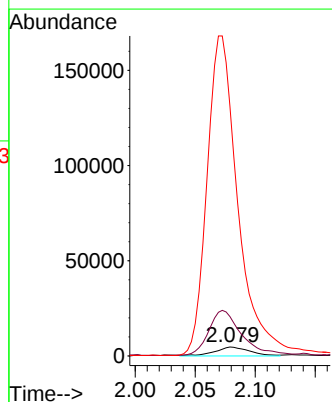
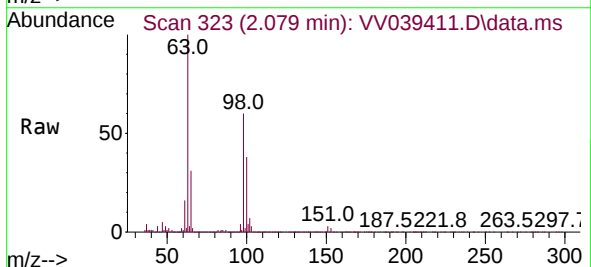
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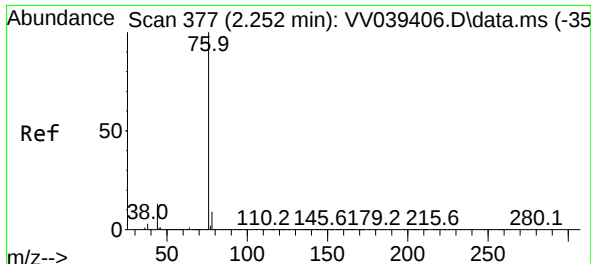
Tgt Ion:101 Resp: 12713
Ion Ratio Lower Upper
101 100
85 33.9 34.0 51.0#
151 54.3 62.3 93.5#



#12
1,1-Dichloroethene
Concen: 0.359 ug/L
RT: 2.079 min Scan# 323
Delta R.T. -0.006 min
Lab File: VV039411.D
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Tgt Ion: 96 Resp: 9363
Ion Ratio Lower Upper
96 100
61 441.8 127.7 237.1#
63 2808.3 132.6 246.2#

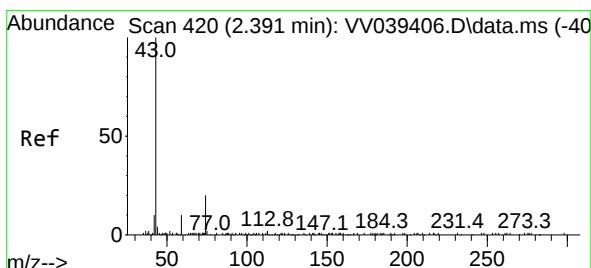
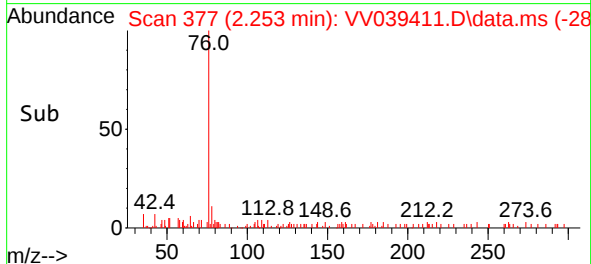
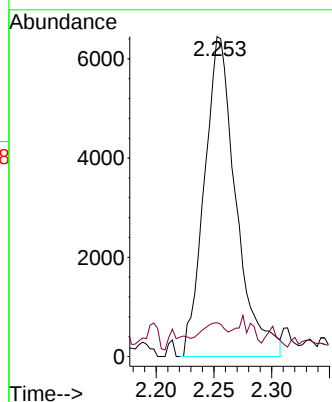
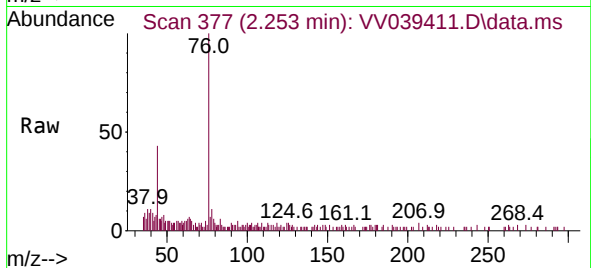




#14
Carbon disulfide
Concen: 0.285 ug/L
RT: 2.253 min Scan# 31
Delta R.T. 0.000 min
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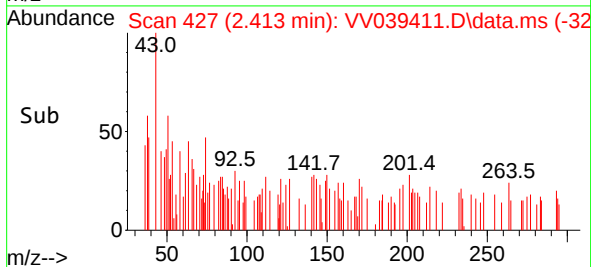
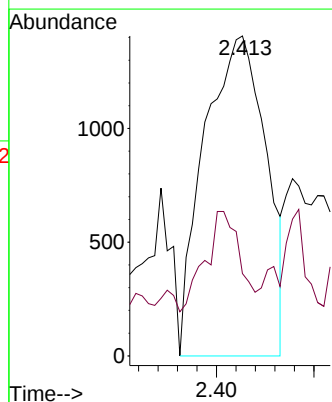
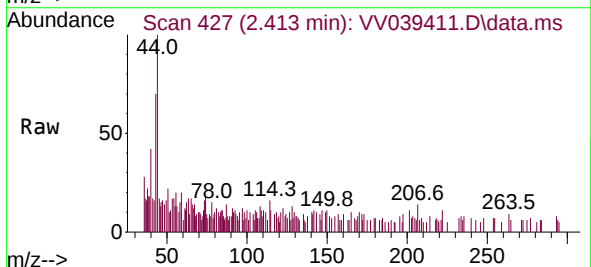
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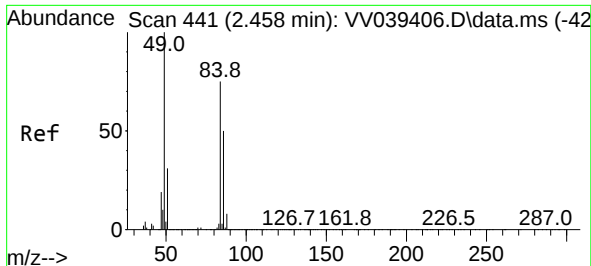
Tgt Ion: 76 Resp: 12297
Ion Ratio Lower Upper
76 100
78 10.6 7.1 10.7



#15
Methyl Acetate
Concen: 0.274 ug/L
RT: 2.413 min Scan# 427
Delta R.T. 0.023 min
Lab File: VV039411.D
Acq: 19 Nov 2025 13:56

Tgt Ion: 43 Resp: 3099
Ion Ratio Lower Upper
43 100
74 17.4 14.5 21.7

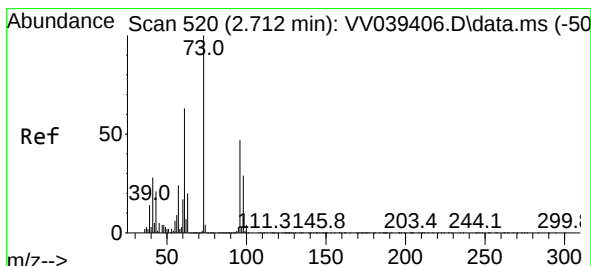
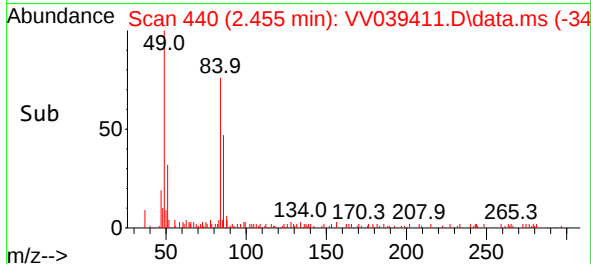
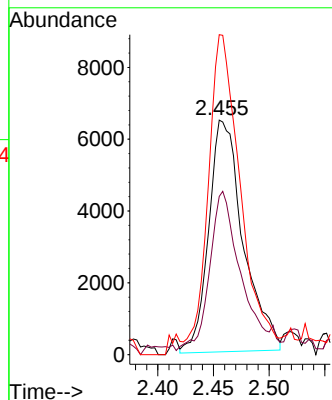
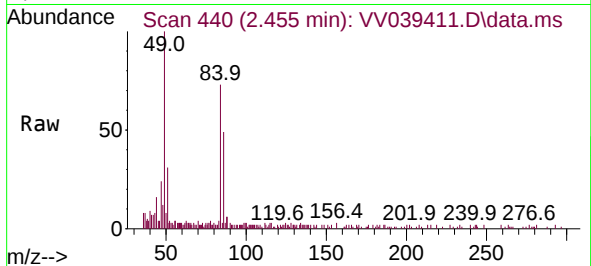




#16
Methylene chloride
Concen: 0.369 ug/L
RT: 2.455 min Scan# 441
Delta R.T. -0.003 min
Lab File: VV039411.D
Acq: 19 Nov 2025 13:56

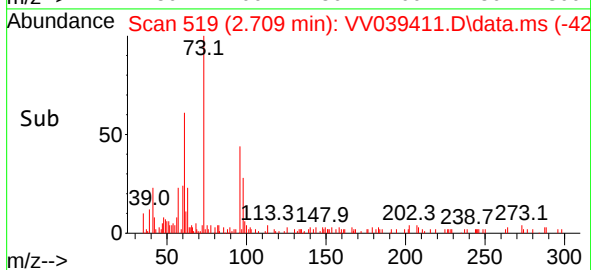
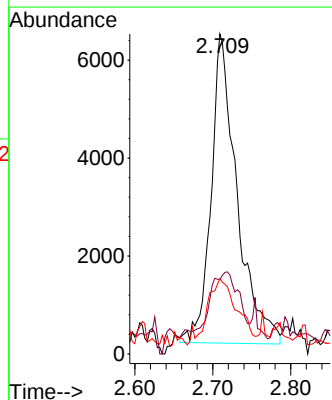
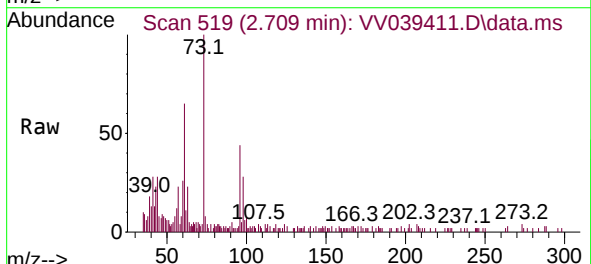
Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT4-2025-07

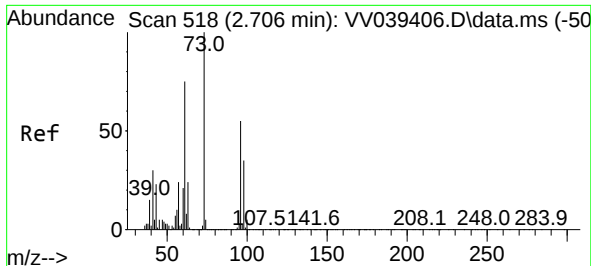
Tgt Ion: 84 Resp: 13925
Ion Ratio Lower Upper
84 100
86 67.4 46.8 87.0
49 136.5 93.0 172.8



#17
Methyl tert-butyl Ether
Concen: 0.233 ug/L
RT: 2.709 min Scan# 519
Delta R.T. -0.003 min
Lab File: VV039411.D
Acq: 19 Nov 2025 13:56

Tgt Ion: 73 Resp: 14586
Ion Ratio Lower Upper
73 100
43 22.5 17.4 26.2
57 25.4 18.8 28.2

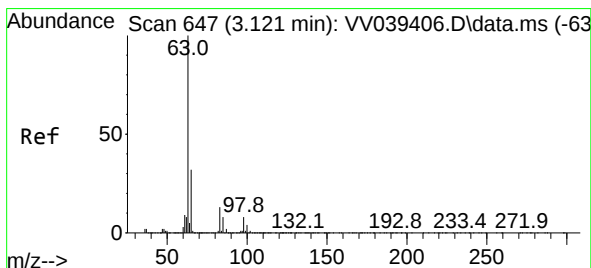
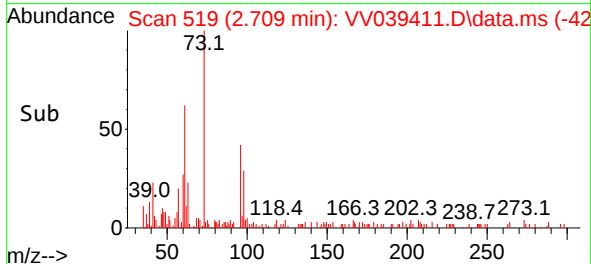
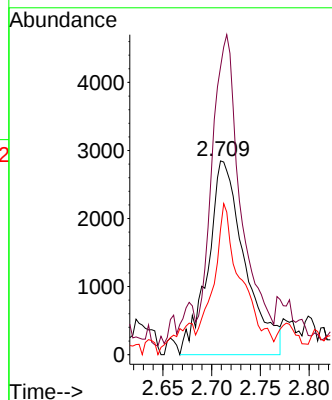
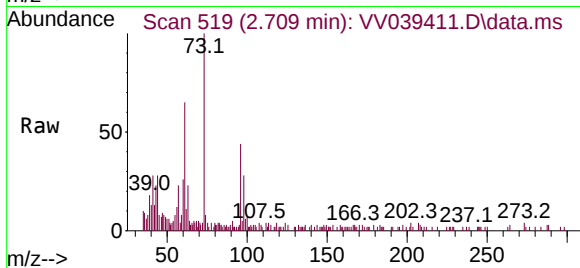




#18
trans-1,2-Dichloroethene
Concen: 0.270 ug/L
RT: 2.709 min Scan# 519
Delta R.T. 0.003 min
Lab File: VV039411.D
Acq: 19 Nov 2025 13:56

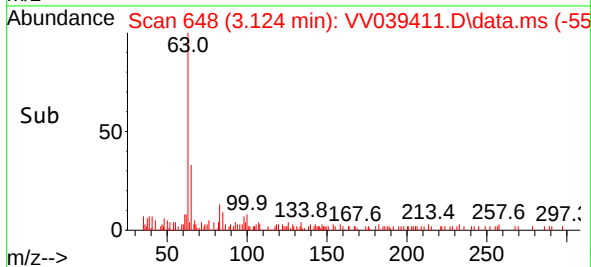
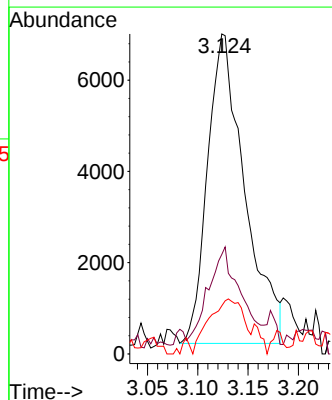
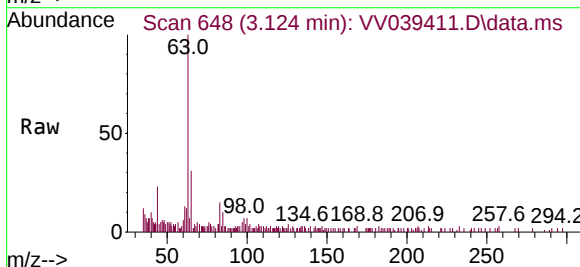
Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT4-2025-07

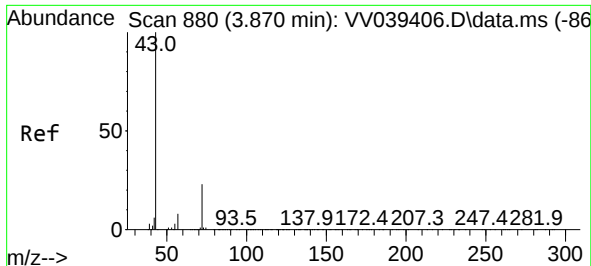
Tgt Ion:	96	Resp:	7455
Ion	Ratio	Lower	Upper
96	100		
61	148.4	94.7	175.9
98	64.7	44.2	82.0



#19
1,1-Dichloroethane
Concen: 0.252 ug/L
RT: 3.124 min Scan# 648
Delta R.T. 0.003 min
Lab File: VV039411.D
Acq: 19 Nov 2025 13:56

Tgt Ion:	63	Resp:	17413
Ion	Ratio	Lower	Upper
63	100		
65	31.1	22.9	42.5
83	15.0	9.2	17.2

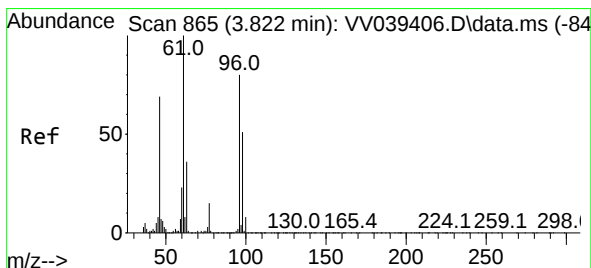
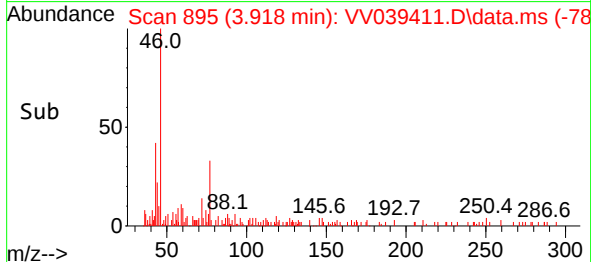
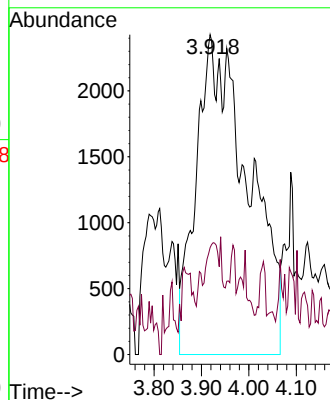
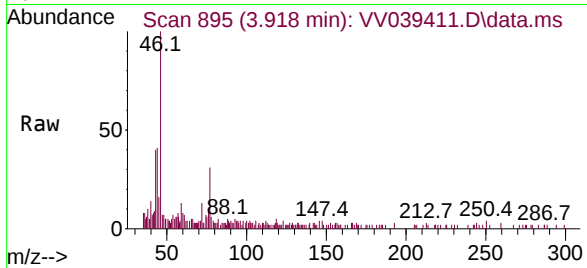




#21
2-Butanone
Concen: 2.655 ug/L m
RT: 3.918 min Scan# 895
Delta R.T. 0.048 min
Lab File: VV039411.D
Acq: 19 Nov 2025 13:56

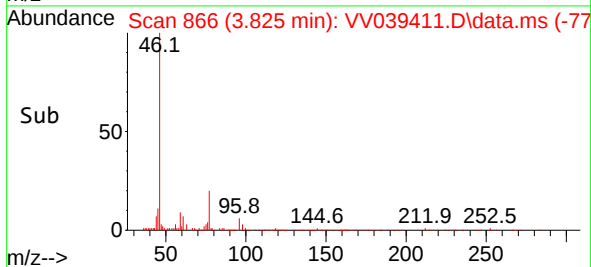
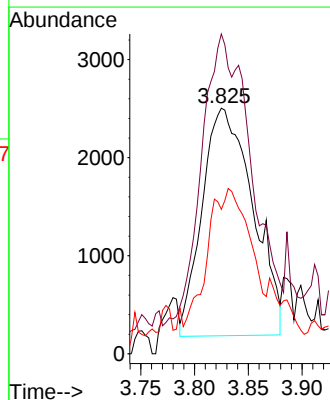
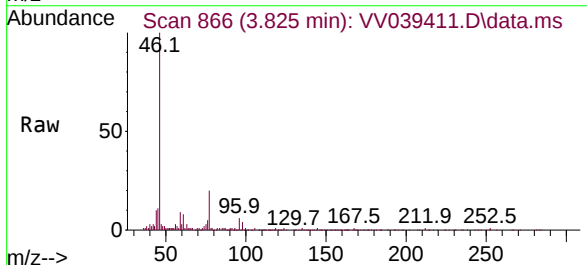
Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT4-2025-07

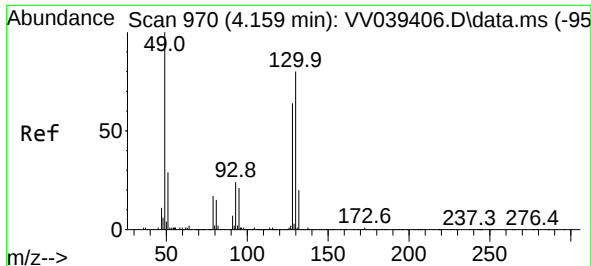
Tgt Ion: 43 Resp: 18471
Ion Ratio Lower Upper
43 100
72 1.5 11.7 35.0#



#22
cis-1,2-Dichloroethene
Concen: 0.226 ug/L
RT: 3.825 min Scan# 866
Delta R.T. 0.003 min
Lab File: VV039411.D
Acq: 19 Nov 2025 13:56

Tgt Ion: 96 Resp: 7613
Ion Ratio Lower Upper
96 100
61 130.2 87.1 161.7
98 58.8 44.7 83.1

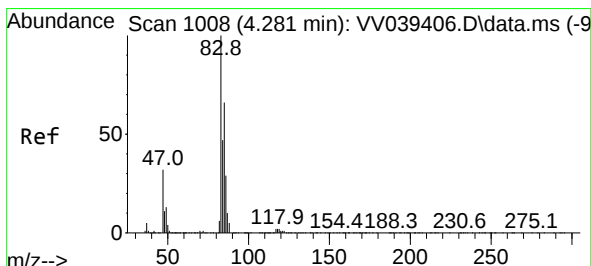
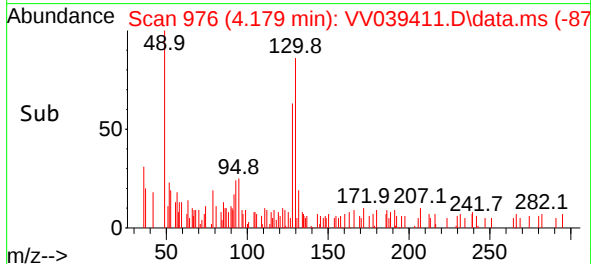
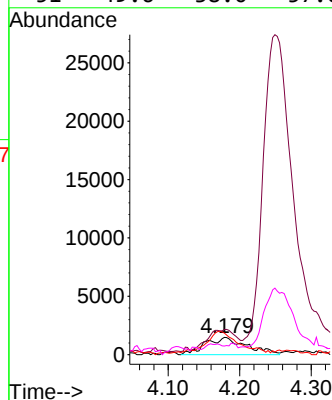
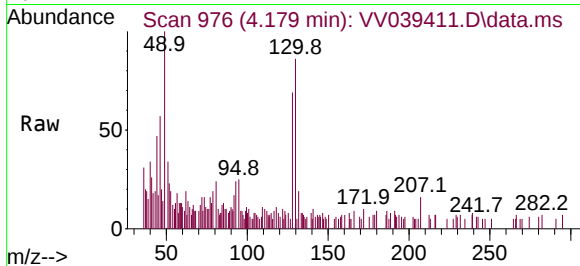




#23
Bromochloromethane
Concen: 0.385 ug/L m
RT: 4.179 min Scan# 91
Delta R.T. 0.019 min
Lab File: VV039411.D
Acq: 19 Nov 2025 13:56

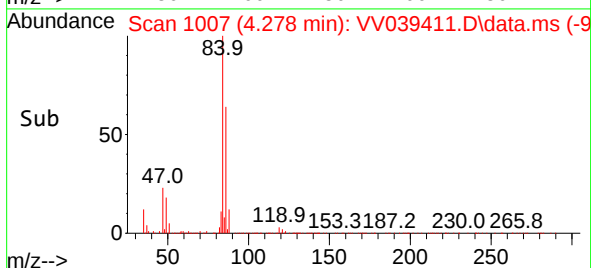
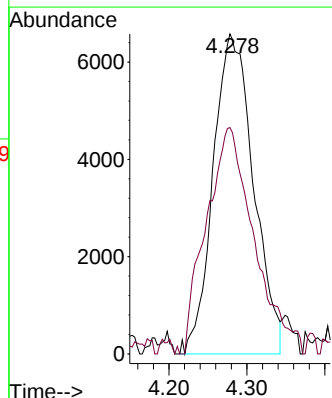
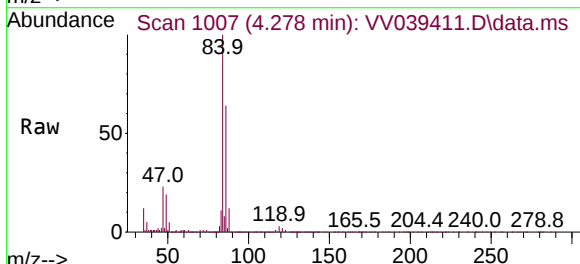
Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT4-2025-07

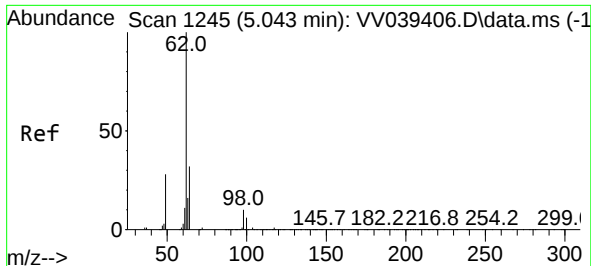
Tgt Ion:	128	Resp:	5905
Ion	Ratio	Lower	Upper
128	100		
49	145.3	110.7	205.5
130	125.0	88.2	163.8
51	49.6	38.0	57.0



#25
Chloroform
Concen: 0.313 ug/L
RT: 4.278 min Scan# 1007
Delta R.T. -0.003 min
Lab File: VV039411.D
Acq: 19 Nov 2025 13:56

Tgt Ion:	83	Resp:	23637
Ion	Ratio	Lower	Upper
83	100		
85	70.7	46.2	85.8





#27

1,2-Dichloroethane

Concen: 0.224 ug/L

RT: 5.072 min Scan# 11

Delta R.T. 0.029 min

Lab File: VV039411.D

Acq: 19 Nov 2025 13:56

Instrument :

MSVOA_V

ClientSampleId :

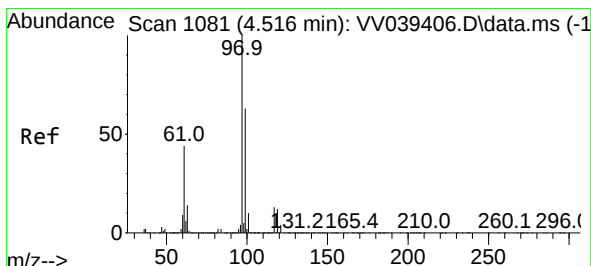
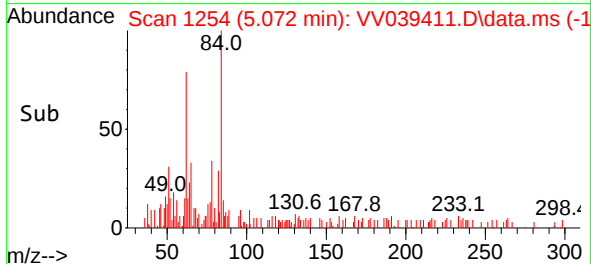
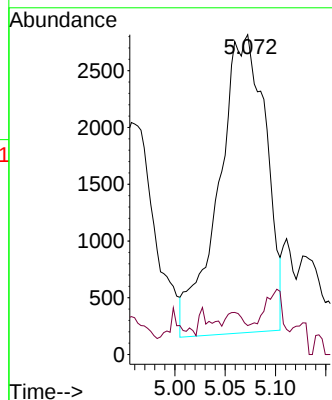
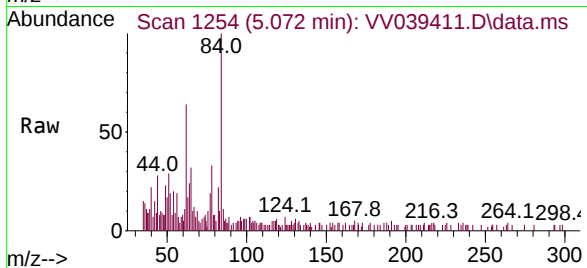
MDL-WATER-QT4-2025-07

Tgt Ion: 62 Resp: 8570

Ion Ratio Lower Upper

62 100

98 9.1 8.1 12.1



#29

1,1,1-Trichloroethane

Concen: 0.262 ug/L

RT: 4.516 min Scan# 1081

Delta R.T. 0.000 min

Lab File: VV039411.D

Acq: 19 Nov 2025 13:56

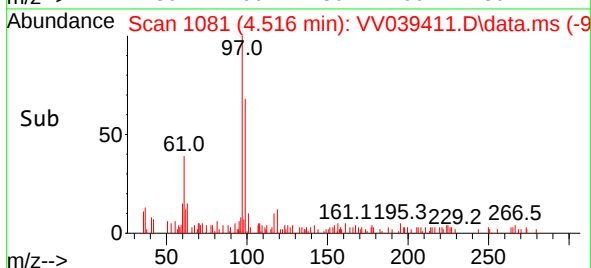
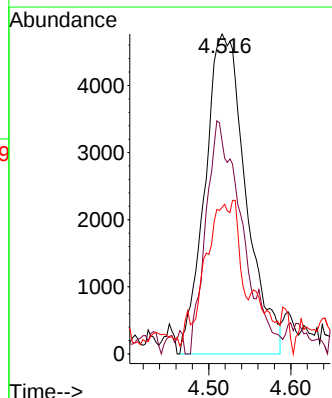
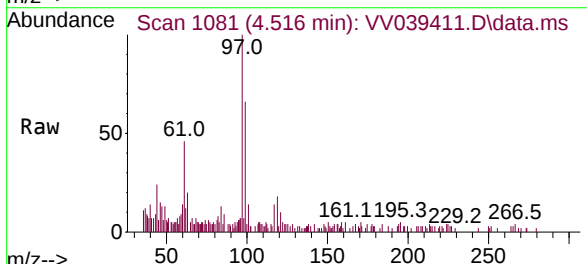
Tgt Ion: 97 Resp: 16475

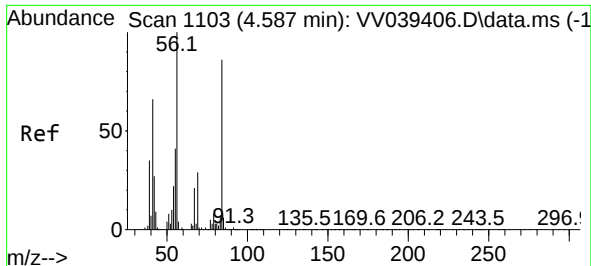
Ion Ratio Lower Upper

97 100

99 65.1 51.1 76.7

61 19.7 36.6 55.0#

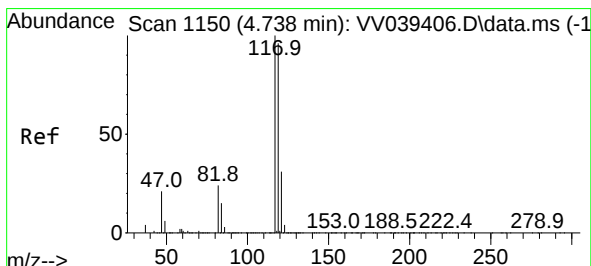
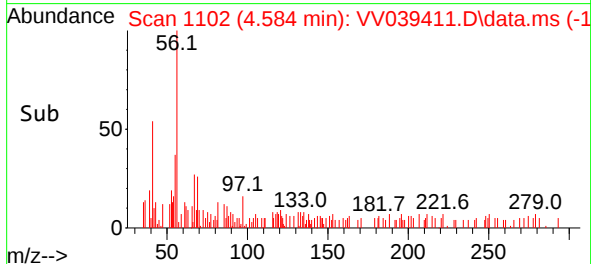
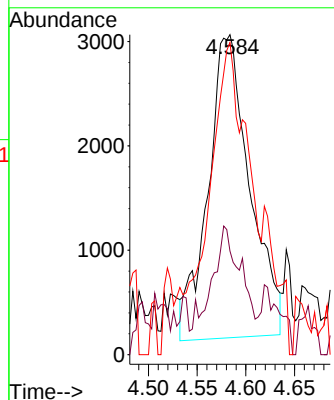
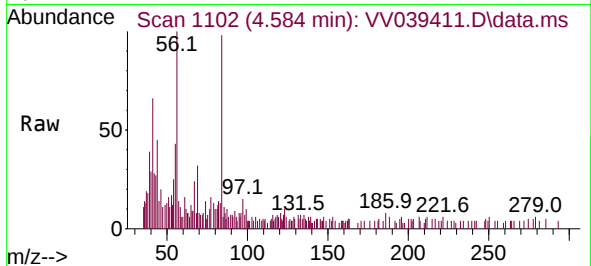




#30
Cyclohexane
Concen: 0.242 ug/L
RT: 4.584 min Scan# 1103
Delta R.T. -0.003 min
Lab File: VV039411.D
Acq: 19 Nov 2025 13:56

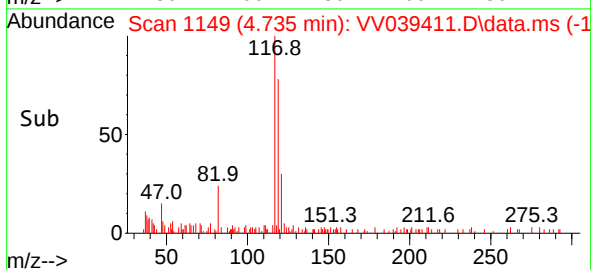
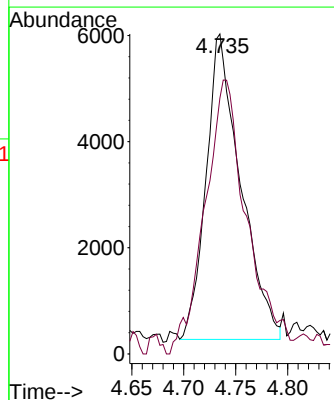
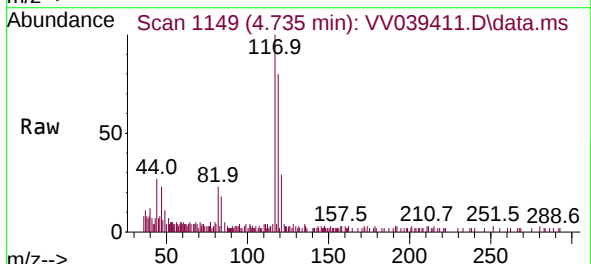
Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT4-2025-07

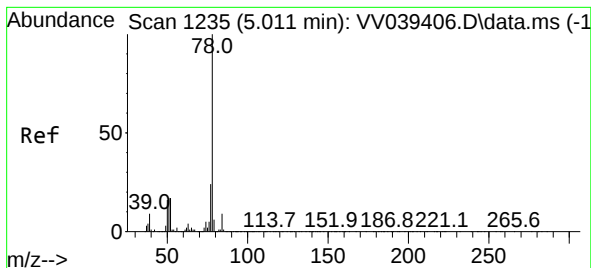
Tgt Ion: 56 Resp: 8685
Ion Ratio Lower Upper
56 100
69 22.7 23.7 35.5#
84 77.6 72.6 109.0



#31
Carbon tetrachloride
Concen: 0.241 ug/L
RT: 4.735 min Scan# 1149
Delta R.T. -0.003 min
Lab File: VV039411.D
Acq: 19 Nov 2025 13:56

Tgt Ion: 117 Resp: 13333
Ion Ratio Lower Upper
117 100
119 109.2 75.4 113.2





#33

Benzene

Concen: 0.231 ug/L

RT: 5.018 min Scan# 1235

Delta R.T. 0.007 min

Lab File: VV039411.D

Acq: 19 Nov 2025 13:56

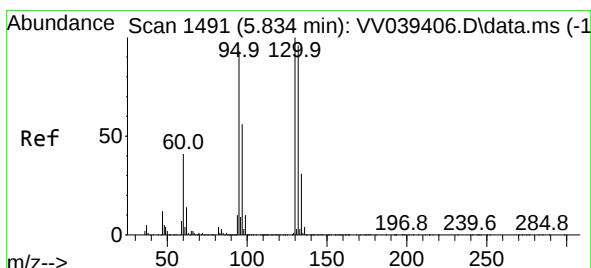
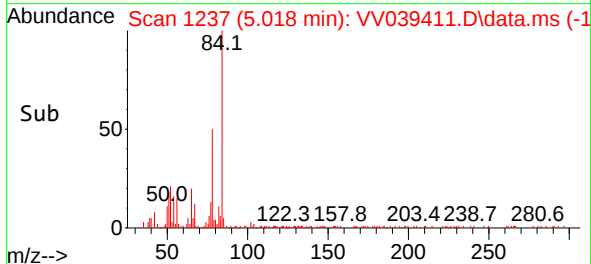
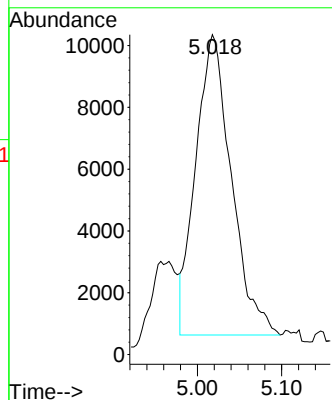
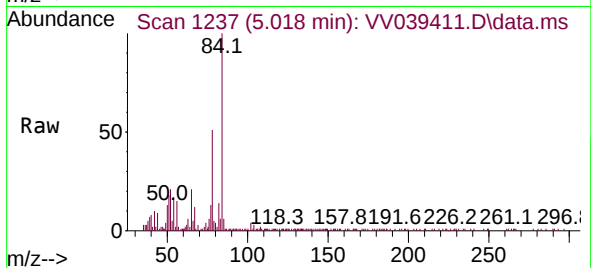
Instrument :

MSVOA_V

ClientSampleId :

MDL-WATER-QT4-2025-07

Tgt Ion: 78 Resp: 28590



#34

Trichloroethene

Concen: 0.266 ug/L

RT: 5.851 min Scan# 1496

Delta R.T. 0.016 min

Lab File: VV039411.D

Acq: 19 Nov 2025 13:56

Tgt Ion: 95 Resp: 9037

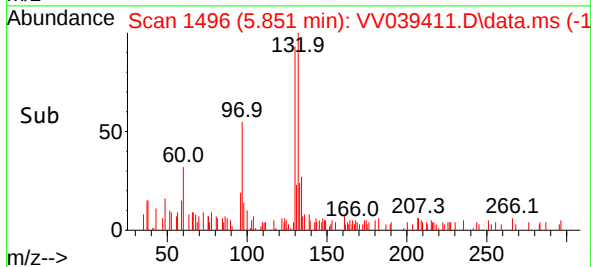
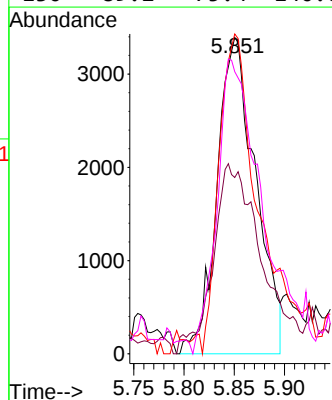
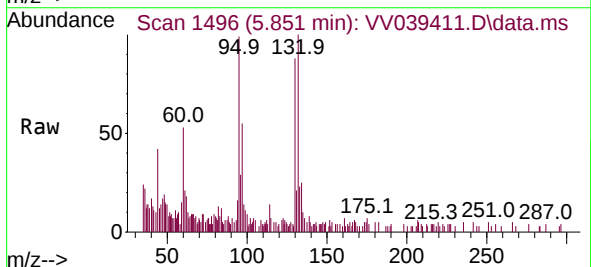
Ion Ratio Lower Upper

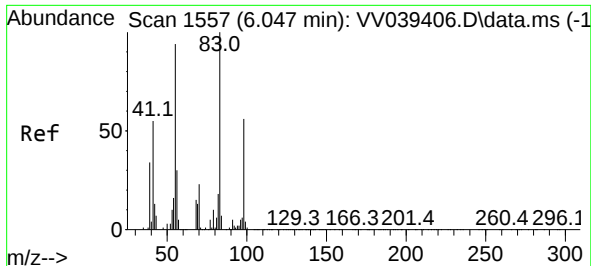
95 100

97 55.7 42.7 79.3

132 101.1 72.0 133.6

130 89.2 75.4 140.0

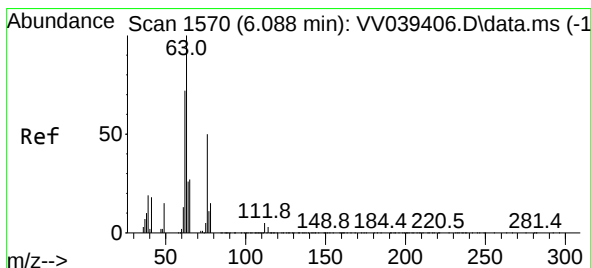
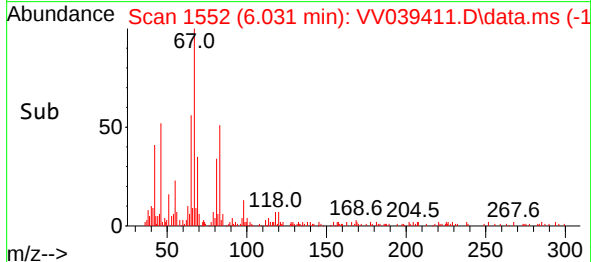
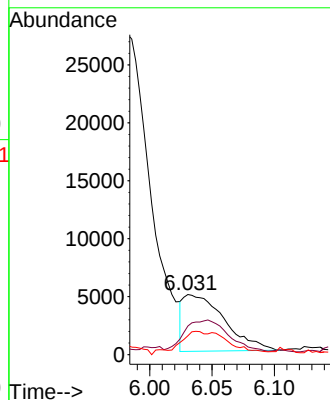
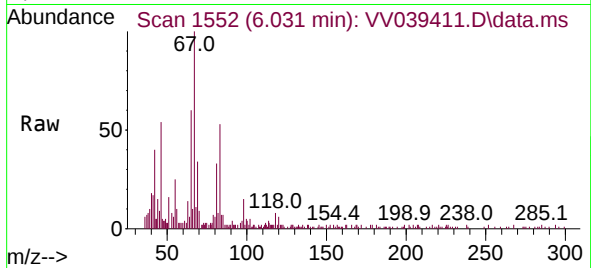




#35
Methylcyclohexane
Concen: 0.294 ug/L
RT: 6.031 min Scan# 11196
Delta R.T. -0.016 min
Lab File: VV039411.D
Acq: 19 Nov 2025 13:56

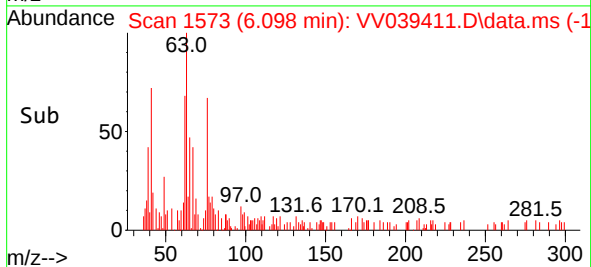
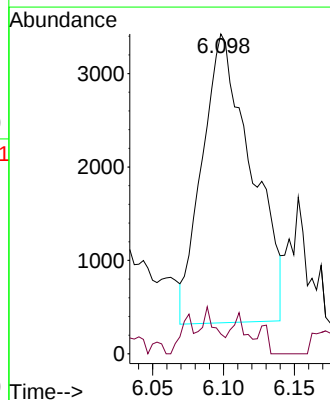
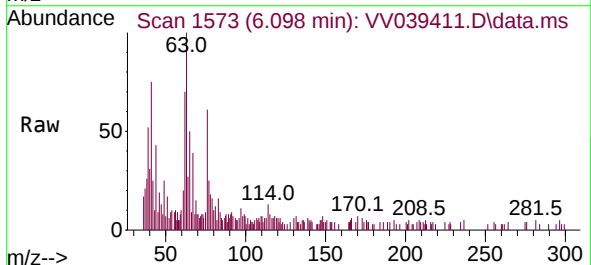
Instrument : MSVOA_V
ClientSampleId : MDL-WATER-QT4-2025-07

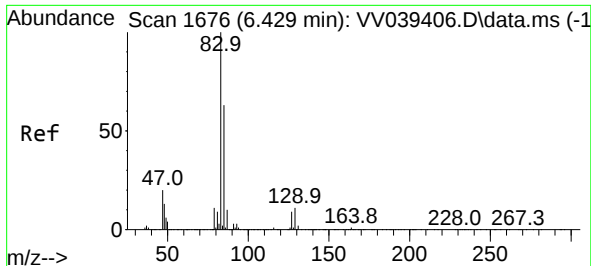
Tgt Ion	Ratio	Lower	Upper
83	100		
55	57.8	64.0	96.0#
98	18.9	37.0	55.4#



#37
1,2-Dichloropropane
Concen: 0.203 ug/L
RT: 6.098 min Scan# 1573
Delta R.T. 0.010 min
Lab File: VV039411.D
Acq: 19 Nov 2025 13:56

Tgt Ion	Ratio	Lower	Upper
63	100		
112	3.5	4.4	6.6#

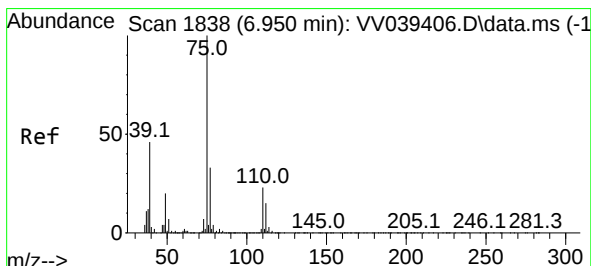
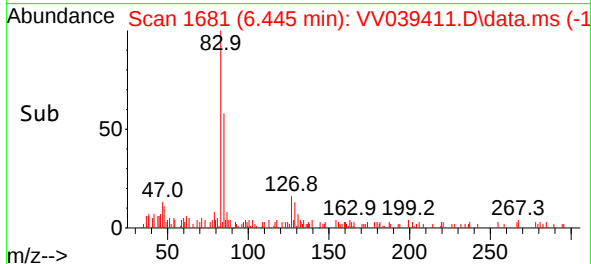
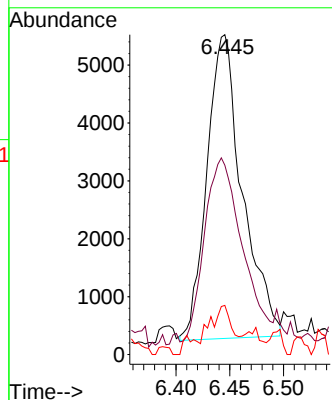
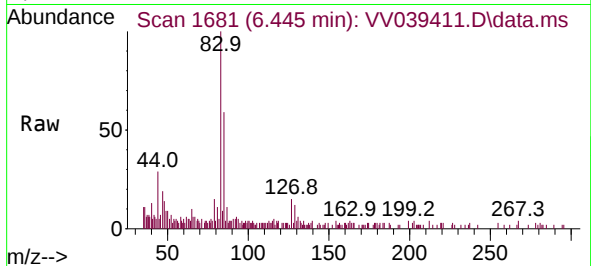




#38
Bromodichloromethane
Concen: 0.236 ug/L
RT: 6.445 min Scan# 11
Delta R.T. 0.016 min
Lab File: VV039411.D
Acq: 19 Nov 2025 13:56

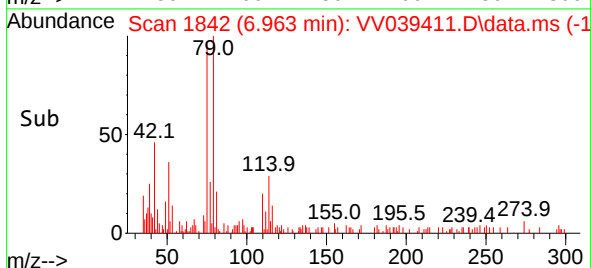
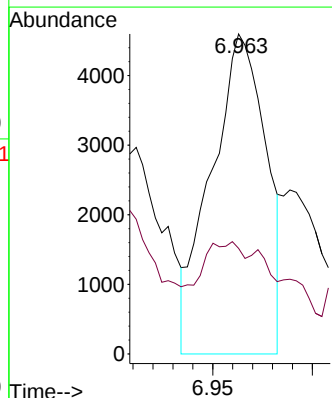
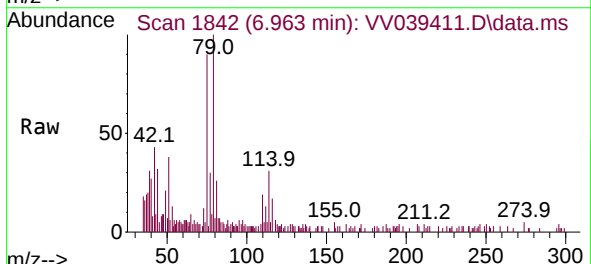
Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT4-2025-07

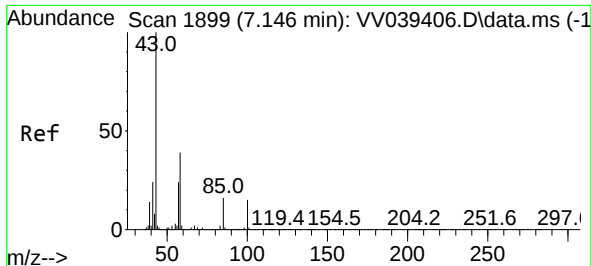
Tgt Ion:	83	Resp:	12022
Ion	Ratio	Lower	Upper
83	100		
85	59.2	43.8	81.4
127	15.4	7.3	10.9



#39
cis-1,3-Dichloropropene
Concen: 0.188 ug/L m
RT: 6.963 min Scan# 1842
Delta R.T. 0.013 min
Lab File: VV039411.D
Acq: 19 Nov 2025 13:56

Tgt Ion:	75	Resp:	8774
Ion	Ratio	Lower	Upper
75	100		
77	33.0	23.2	43.0





#40

4-Methyl-2-pentanone

Concen: 2.188 ug/L m

RT: 7.159 min Scan# 19

Delta R.T. 0.013 min

Lab File: VV039411.D

Acq: 19 Nov 2025 13:56

Instrument :

MSVOA_V

ClientSampleId :

MDL-WATER-QT4-2025-07

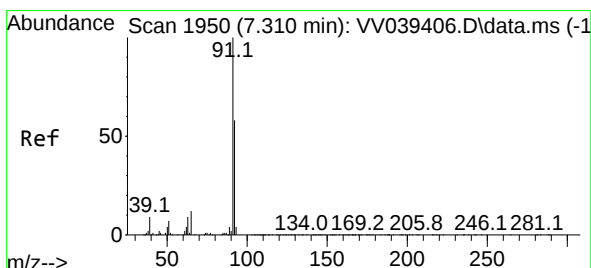
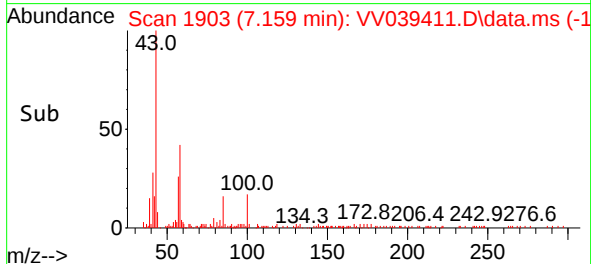
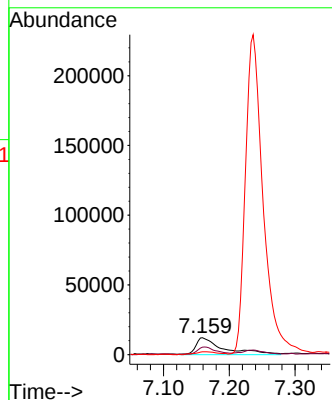
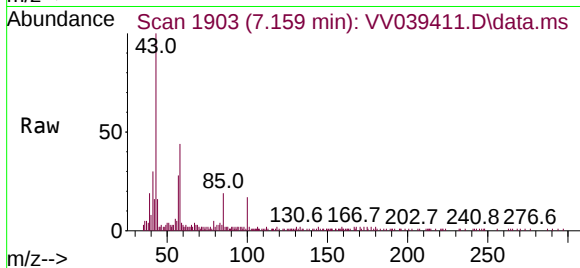
Tgt Ion: 43 Resp: 35682

Ion Ratio Lower Upper

43 100

58 31.2 29.6 44.4

100 0.0 11.4 17.0#



#42

Toluene

Concen: 0.244 ug/L

RT: 7.320 min Scan# 1953

Delta R.T. 0.010 min

Lab File: VV039411.D

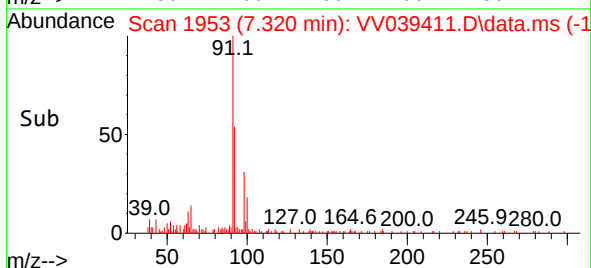
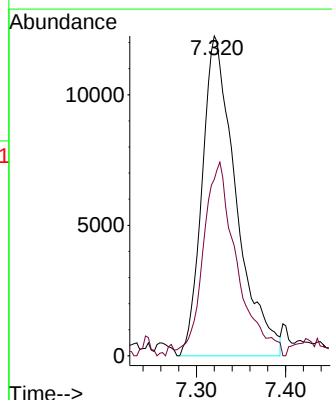
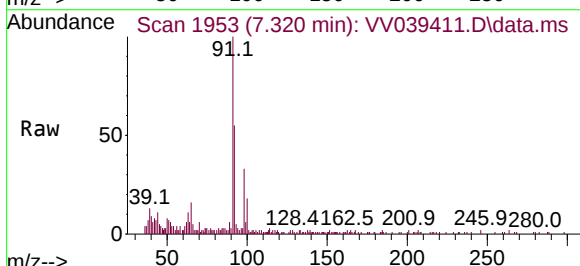
Acq: 19 Nov 2025 13:56

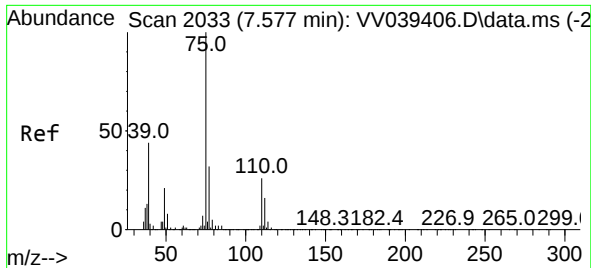
Tgt Ion: 91 Resp: 32368

Ion Ratio Lower Upper

91 100

92 55.2 40.3 74.8

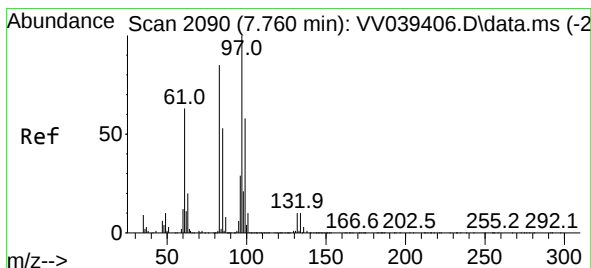
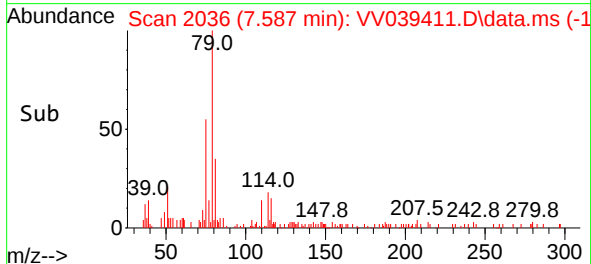
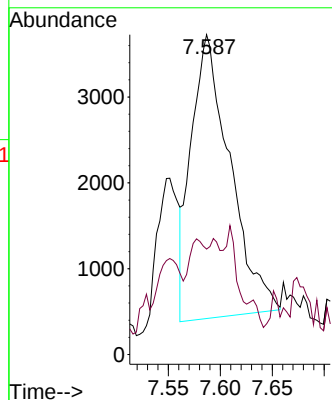
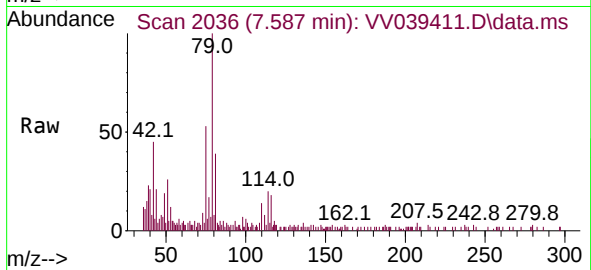




#44
trans-1,3-Dichloropropene
Concen: 0.207 ug/L
RT: 7.587 min Scan# 2036
Delta R.T. 0.010 min
Lab File: VV039411.D
Acq: 19 Nov 2025 13:56

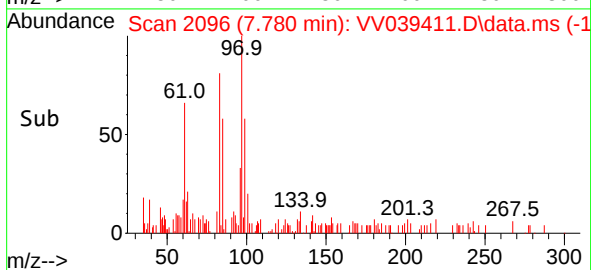
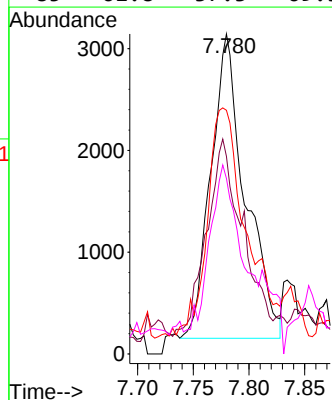
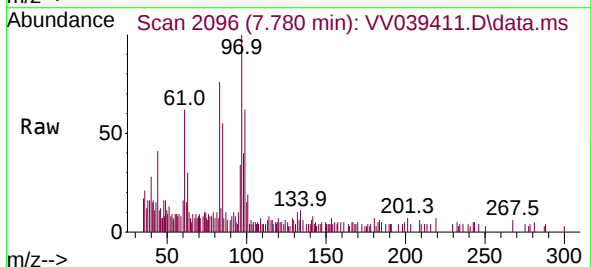
Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT4-2025-07

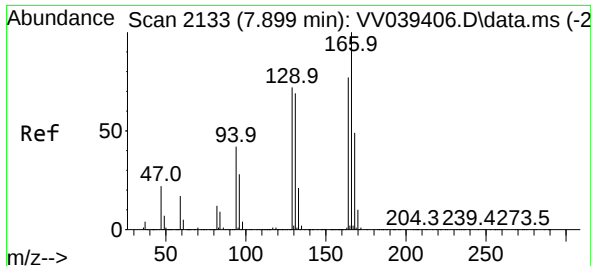
Tgt Ion: 75 Resp: 8585
Ion Ratio Lower Upper
75 100
77 33.0 22.9 42.5



#45
1,1,2-Trichloroethane
Concen: 0.238 ug/L
RT: 7.780 min Scan# 2096
Delta R.T. 0.019 min
Lab File: VV039411.D
Acq: 19 Nov 2025 13:56

Tgt Ion: 97 Resp: 6415
Ion Ratio Lower Upper
97 100
99 61.7 40.8 75.8
83 76.1 59.8 111.1
85 61.8 37.3 69.3

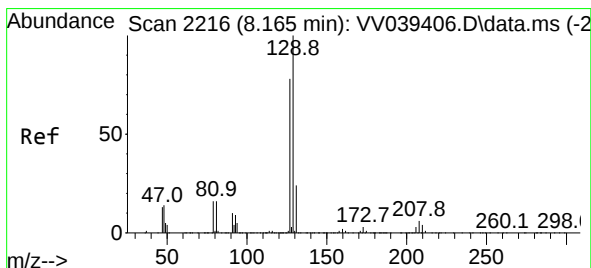
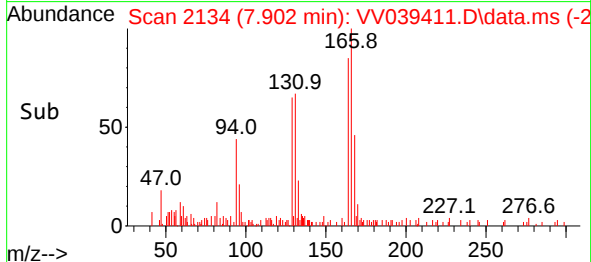
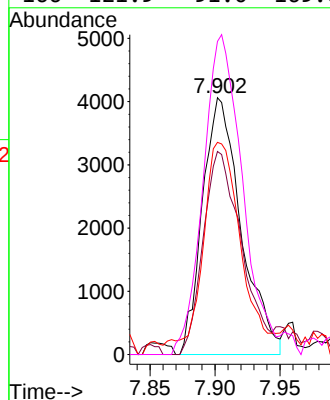
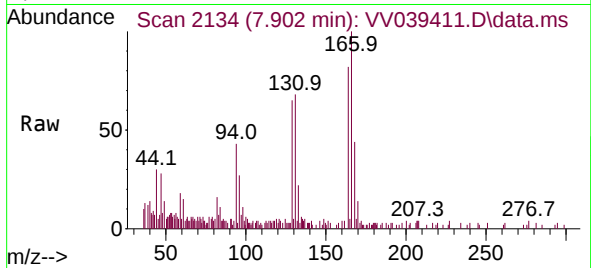




#47
Tetrachloroethene
Concen: 0.276 ug/L
RT: 7.902 min Scan# 2133
Delta R.T. 0.003 min
Lab File: VV039411.D
Acq: 19 Nov 2025 13:56

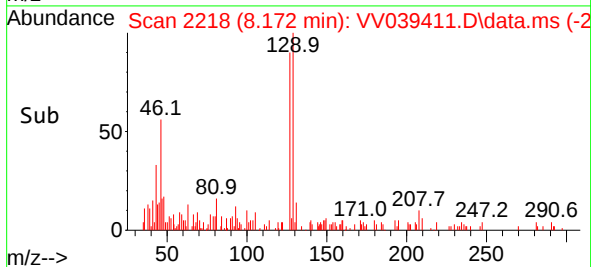
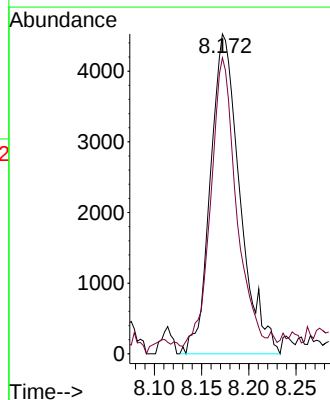
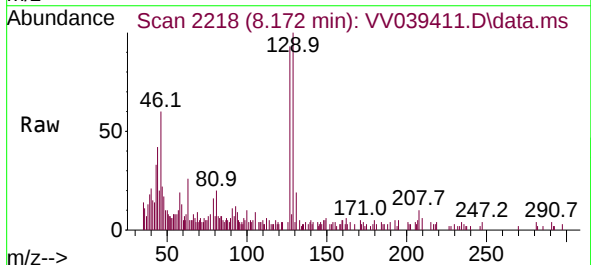
Instrument : MSVOA_V
ClientSampleId : MDL-WATER-QT4-2025-07

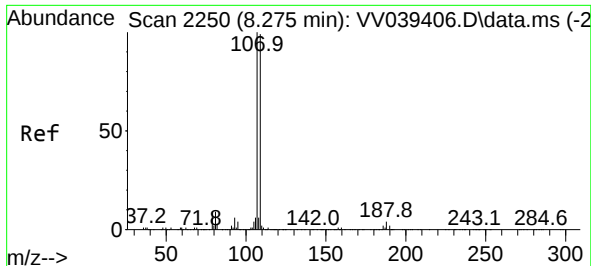
Tgt Ion:	164	Resp:	8428
Ion Ratio	Lower	Upper	
164	100		
129	79.0	65.8	122.2
131	82.6	62.6	116.2
166	121.9	91.0	169.0



#49
Dibromochloromethane
Concen: 0.289 ug/L
RT: 8.172 min Scan# 2218
Delta R.T. 0.007 min
Lab File: VV039411.D
Acq: 19 Nov 2025 13:56

Tgt Ion:	129	Resp:	9856
Ion Ratio	Lower	Upper	
129	100		
127	92.5	54.6	101.4

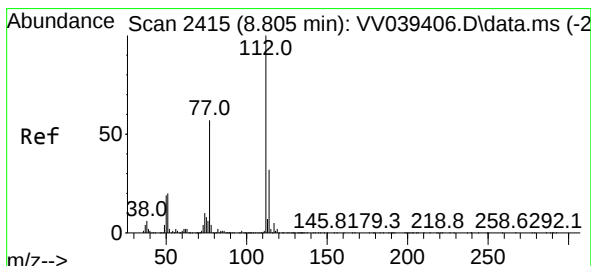
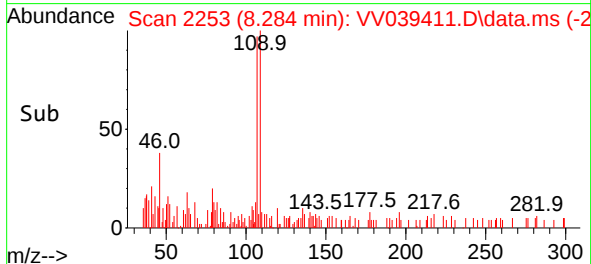
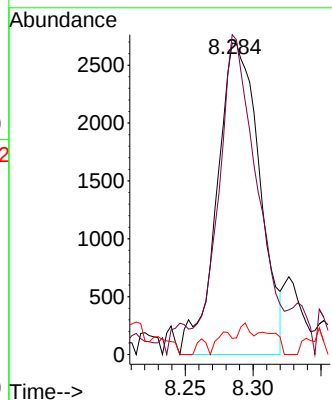
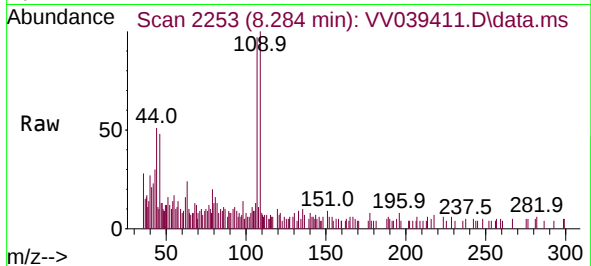




#50
1,2-Dibromoethane
Concen: 0.261 ug/L
RT: 8.284 min Scan# 2117
Delta R.T. 0.010 min
Lab File: VV039411.D
Acq: 19 Nov 2025 13:56

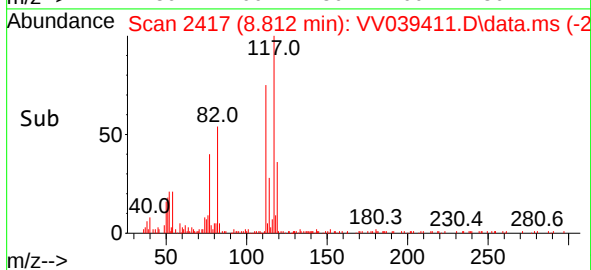
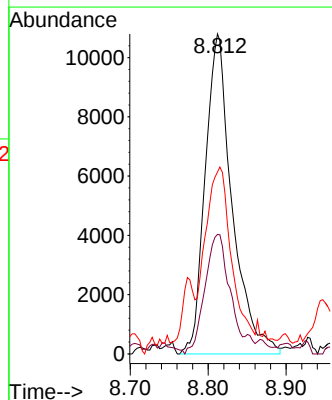
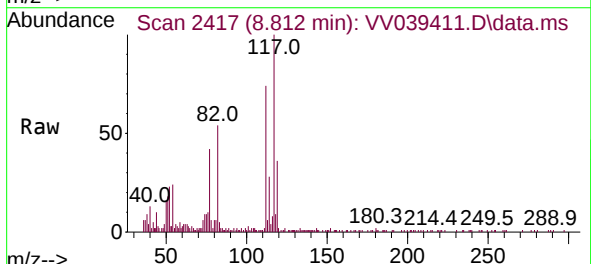
Instrument : MSVOA_V
ClientSampleId : MDL-WATER-QT4-2025-07

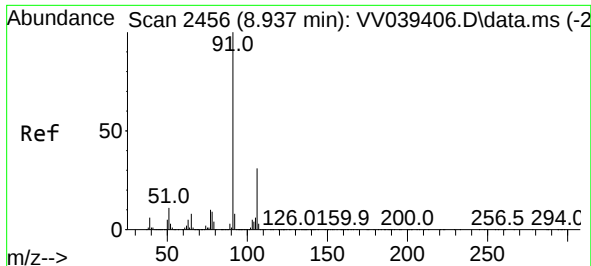
Tgt Ion:	107	Resp:	5883
Ion	Ratio	Lower	Upper
107	100		
109	102.7	69.1	128.3
188	5.2	3.6	5.4



#51
Chlorobenzene
Concen: 0.271 ug/L
RT: 8.812 min Scan# 2417
Delta R.T. 0.007 min
Lab File: VV039411.D
Acq: 19 Nov 2025 13:56

Tgt Ion:	112	Resp:	25946
Ion	Ratio	Lower	Upper
112	100		
114	37.3	22.3	41.3
77	56.8	45.3	67.9

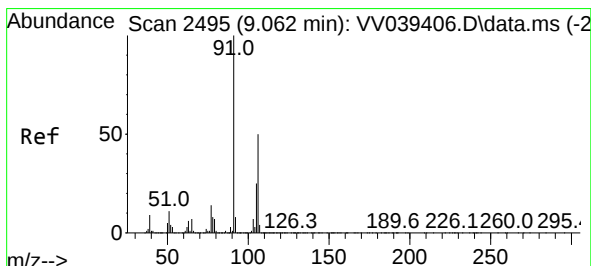
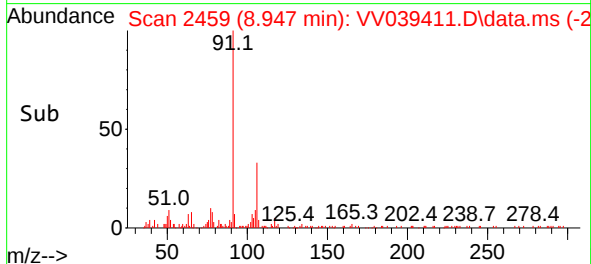
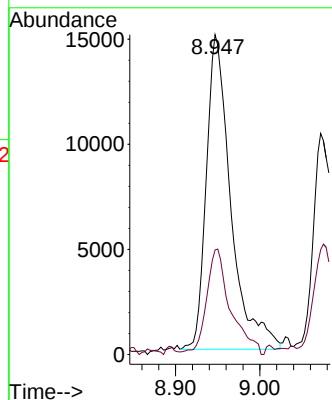
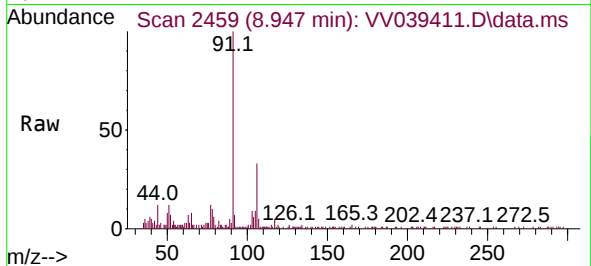




#52
Ethylbenzene
Concen: 0.210 ug/L
RT: 8.947 min Scan# 2456
Delta R.T. 0.010 min
Lab File: VV039411.D
Acq: 19 Nov 2025 13:56

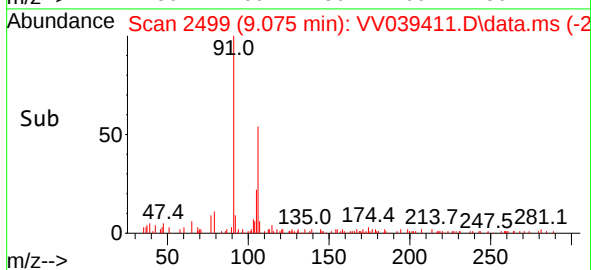
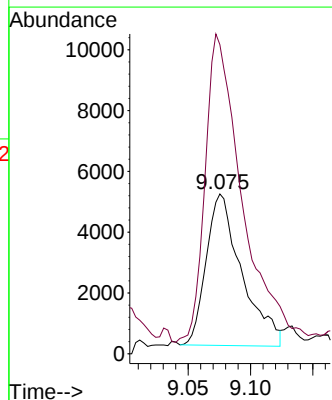
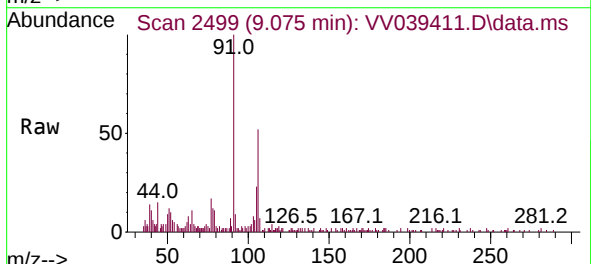
Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT4-2025-07

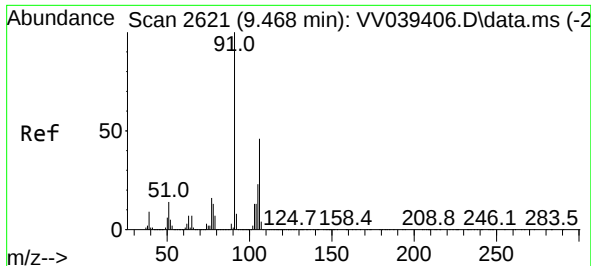
Tgt Ion: 91 Resp: 30134
Ion Ratio Lower Upper
91 100
106 32.7 21.3 39.6



#53
m,p-Xylene
Concen: 0.180 ug/L
RT: 9.075 min Scan# 2499
Delta R.T. 0.013 min
Lab File: VV039411.D
Acq: 19 Nov 2025 13:56

Tgt Ion:106 Resp: 9917
Ion Ratio Lower Upper
106 100
91 193.4 139.6 259.2

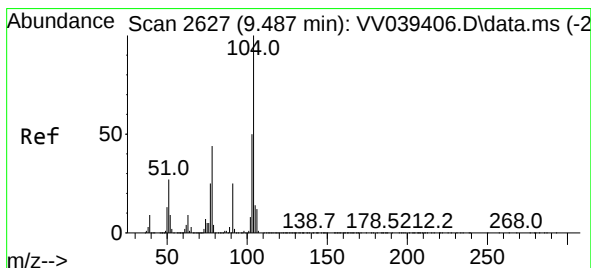
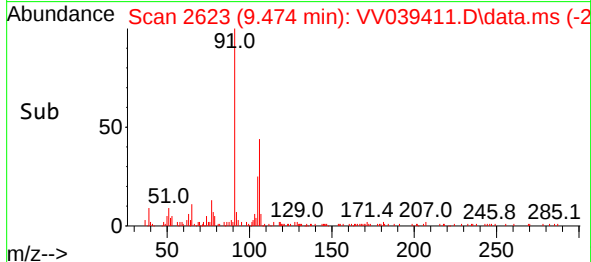
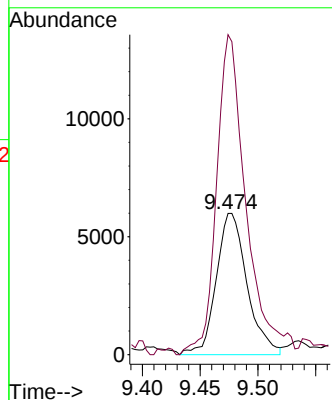
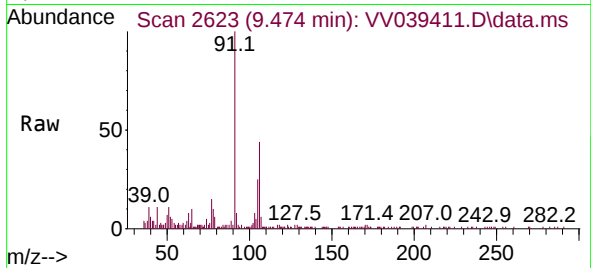




#54
o-Xylene
Concen: 0.209 ug/L
RT: 9.474 min Scan# 2623
Delta R.T. 0.007 min
Lab File: VV039411.D
Acq: 19 Nov 2025 13:56

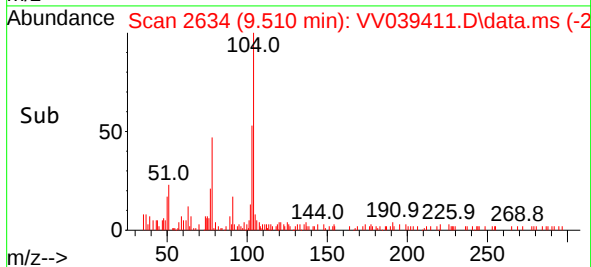
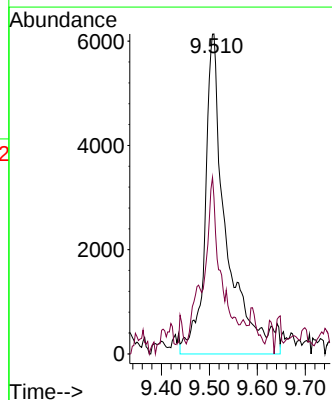
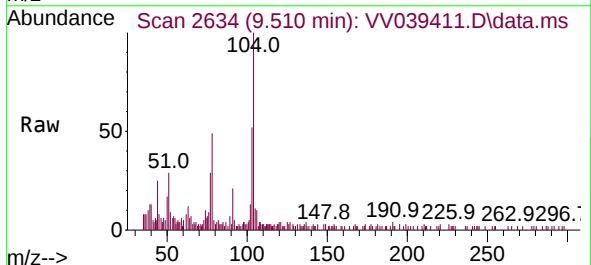
Instrument : MSVOA_V
ClientSampleId : MDL-WATER-QT4-2025-07

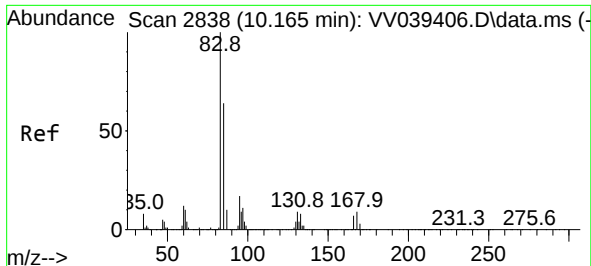
Tgt Ion:106 Resp: 11116
Ion Ratio Lower Upper
106 100
91 226.6 152.5 283.1



#55
Styrene
Concen: 0.200 ug/L m
RT: 9.510 min Scan# 2634
Delta R.T. 0.023 min
Lab File: VV039411.D
Acq: 19 Nov 2025 13:56

Tgt Ion:104 Resp: 18843
Ion Ratio Lower Upper
104 100
78 48.8 30.6 56.8

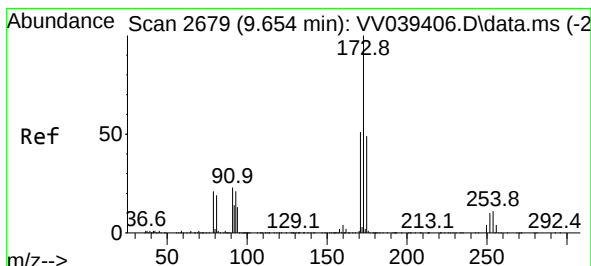
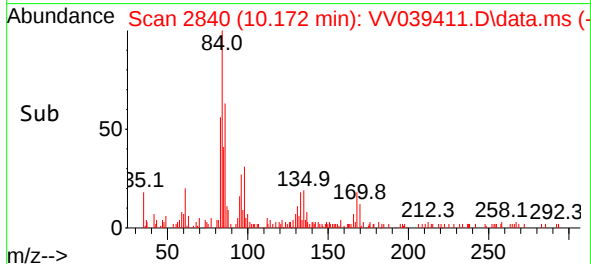
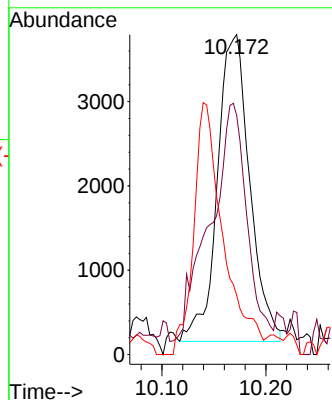
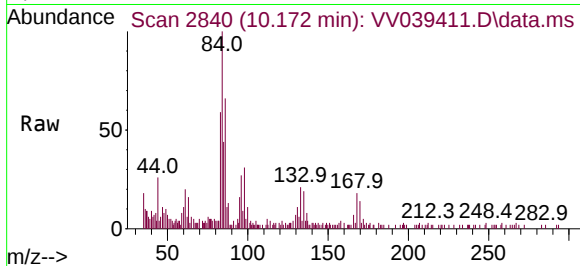




#57
1,1,2,2-Tetrachloroethane
Concen: 0.245 ug/L
RT: 10.172 min Scan# 2838
Delta R.T. 0.007 min
Lab File: VV039411.D
Acq: 19 Nov 2025 13:56

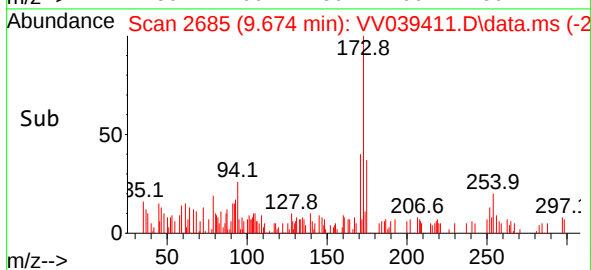
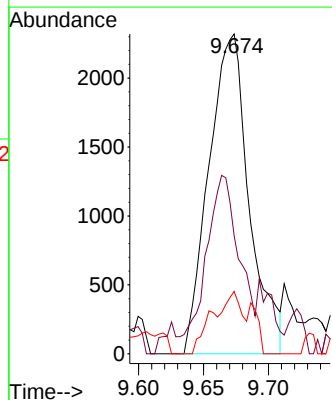
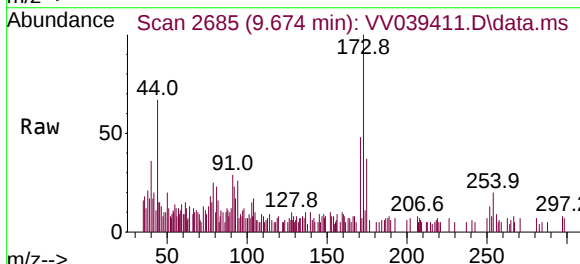
Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT4-2025-07

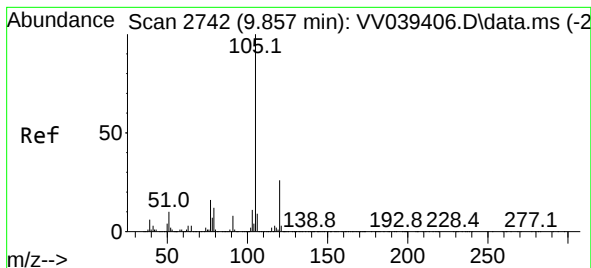
Tgt Ion:	83	Resp:	7863
Ion	Ratio	Lower	Upper
83	100		
85	74.7	45.3	84.1
131	18.6	7.8	11.8



#59
Bromoform
Concen: 0.296 ug/L
RT: 9.674 min Scan# 2685
Delta R.T. 0.019 min
Lab File: VV039411.D
Acq: 19 Nov 2025 13:56

Tgt Ion:	173	Resp:	5017
Ion	Ratio	Lower	Upper
173	100		
175	46.7	40.2	60.4
254	9.2	9.1	13.7





#60

Isopropylbenzene

Concen: 0.224 ug/L

RT: 9.860 min Scan# 21

Delta R.T. 0.003 min

Lab File: VV039411.D

Acq: 19 Nov 2025 13:56

Instrument :

MSVOA_V

ClientSampleId :

MDL-WATER-QT4-2025-07

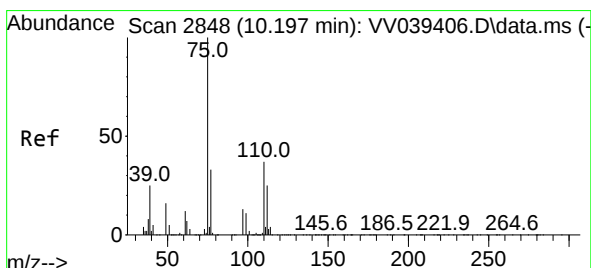
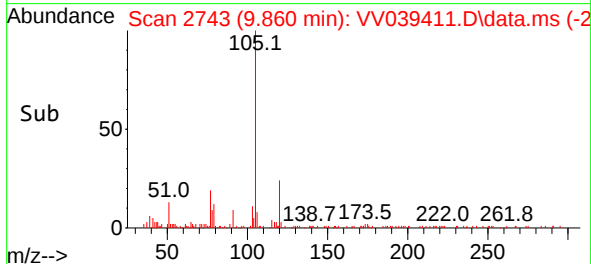
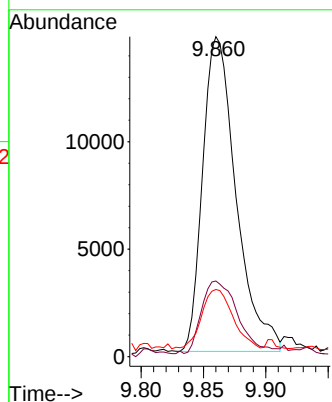
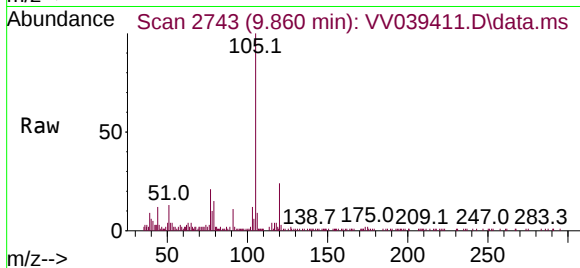
Tgt Ion:105 Resp: 27271

Ion Ratio Lower Upper

105 100

120 26.6 21.4 32.2

77 17.2 12.8 19.2



#61

1,2,3-Trichloropropane

Concen: 0.308 ug/L

RT: 10.204 min Scan# 2850

Delta R.T. 0.007 min

Lab File: VV039411.D

Acq: 19 Nov 2025 13:56

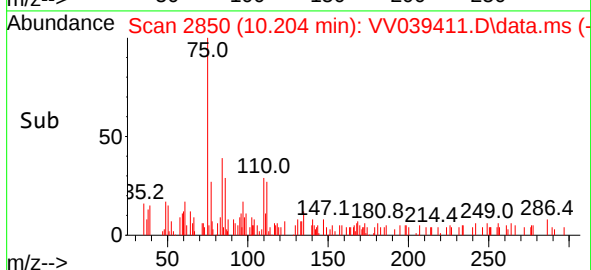
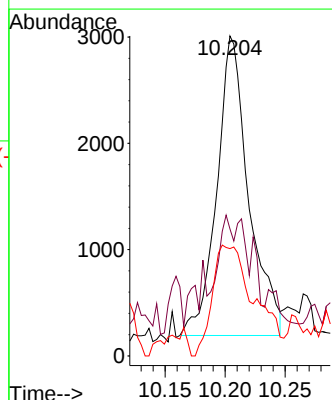
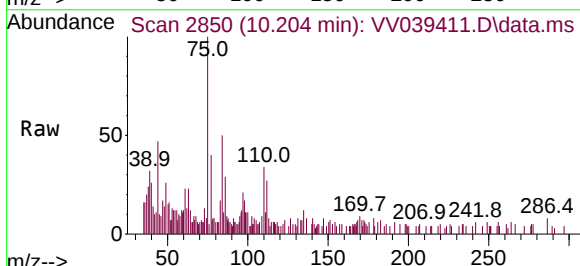
Tgt Ion: 75 Resp: 5219

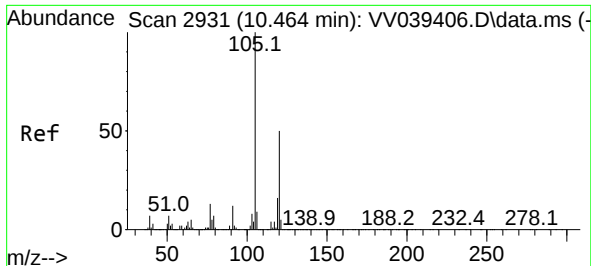
Ion Ratio Lower Upper

75 100

77 10.1 25.2 37.8#

110 49.0 30.8 46.2#





#62

1,3,5-Trimethylbenzene

Concen: 0.222 ug/L

RT: 10.471 min Scan# 29

Delta R.T. 0.007 min

Lab File: VV039411.D

Acq: 19 Nov 2025 13:56

Instrument :

MSVOA_V

ClientSampleId :

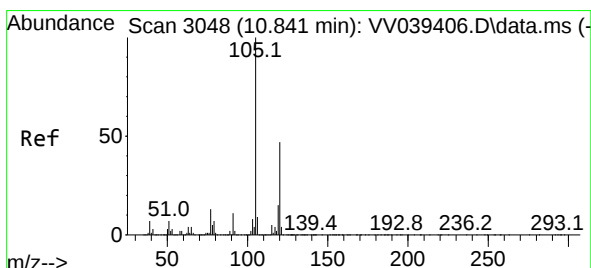
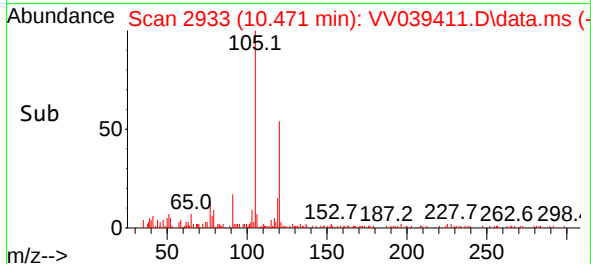
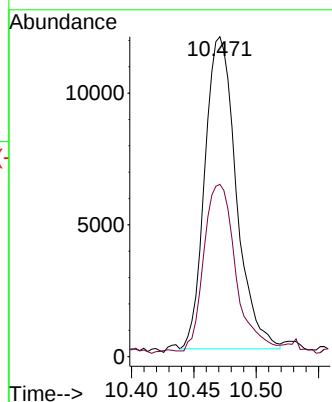
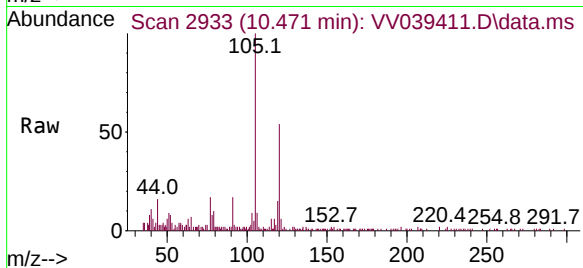
MDL-WATER-QT4-2025-07

Tgt Ion:105 Resp: 20739

Ion Ratio Lower Upper

105 100

120 54.4 39.6 59.4



#63

1,2,4-Trimethylbenzene

Concen: 0.225 ug/L

RT: 10.847 min Scan# 3050

Delta R.T. 0.007 min

Lab File: VV039411.D

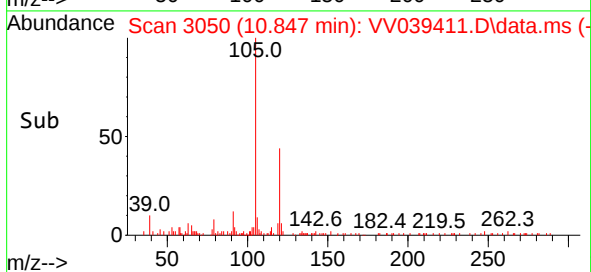
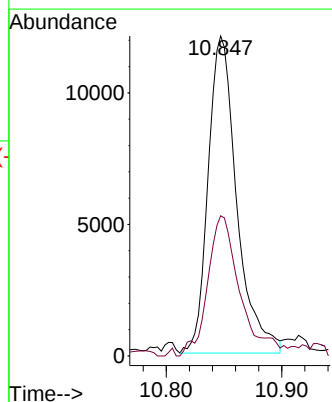
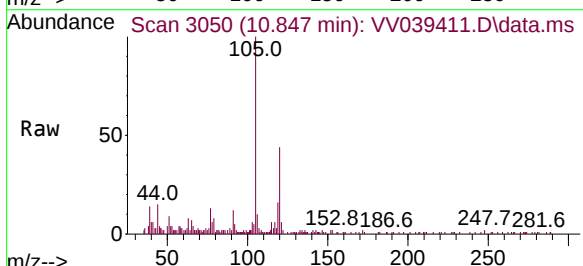
Acq: 19 Nov 2025 13:56

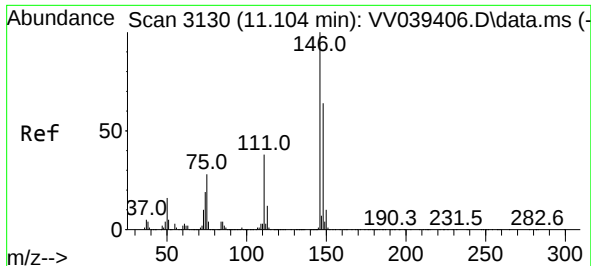
Tgt Ion:105 Resp: 20831

Ion Ratio Lower Upper

105 100

120 49.9 36.8 55.2

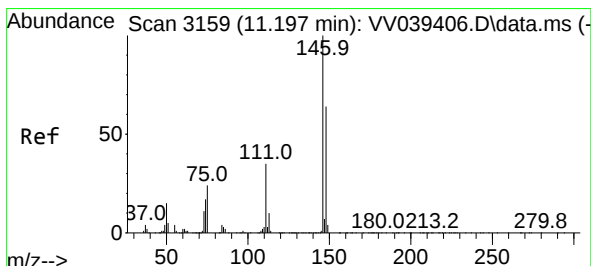
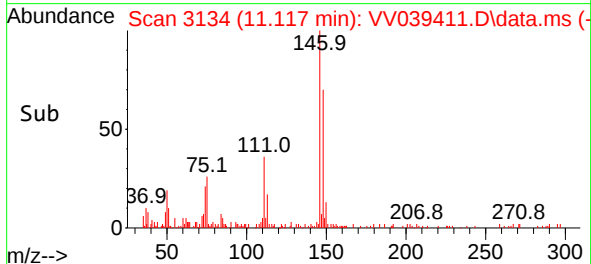
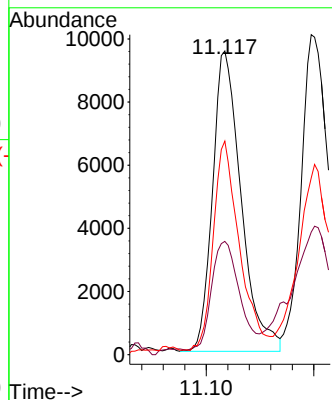
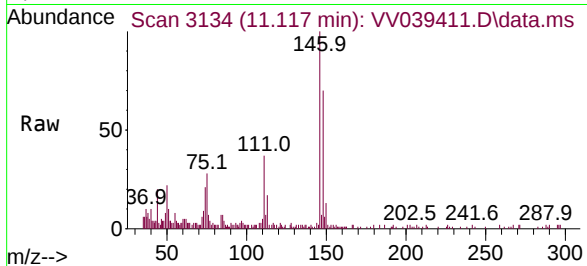




#64
1,3-Dichlorobenzene
Concen: 0.262 ug/L
RT: 11.117 min Scan# 3130
Delta R.T. 0.013 min
Lab File: VV039411.D
Acq: 19 Nov 2025 13:56

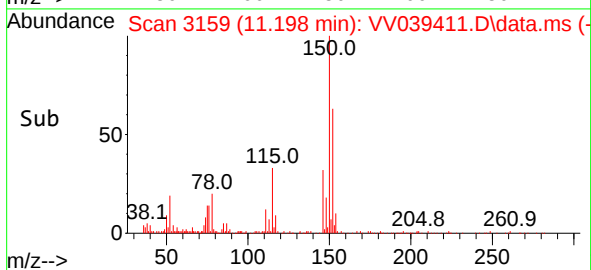
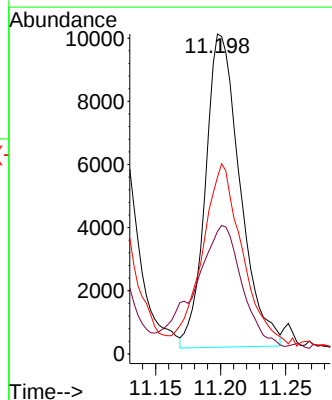
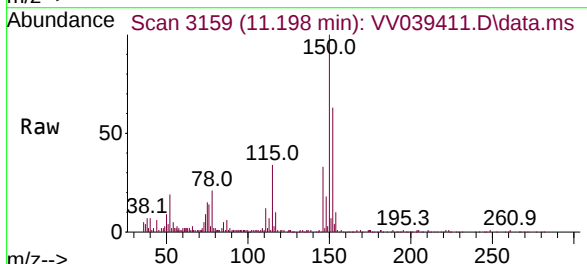
Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT4-2025-07

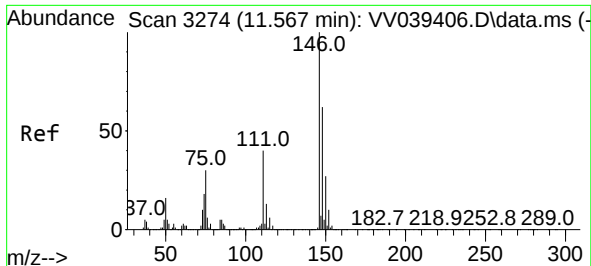
Tgt Ion:	146	Resp:	17551
Ion Ratio	Lower	Upper	
146	100		
111	37.3	26.6	49.4
148	70.3	44.8	83.2



#65
1,4-Dichlorobenzene
Concen: 0.267 ug/L
RT: 11.198 min Scan# 3159
Delta R.T. 0.000 min
Lab File: VV039411.D
Acq: 19 Nov 2025 13:56

Tgt Ion:	146	Resp:	18395
Ion Ratio	Lower	Upper	
146	100		
111	38.3	24.6	45.6
148	55.2	44.9	83.3

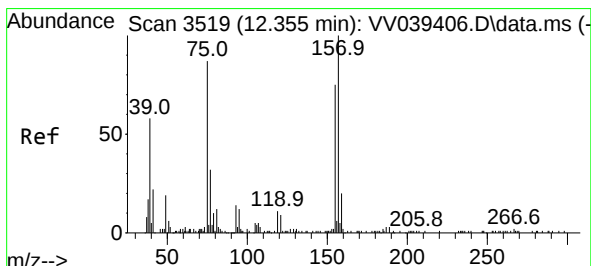
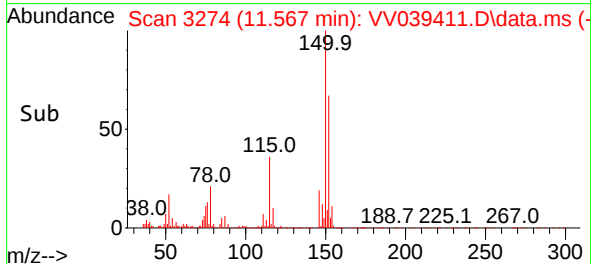
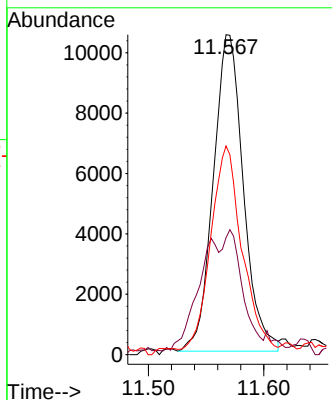
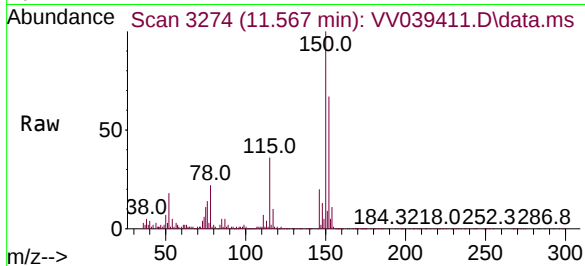




#67
1,2-Dichlorobenzene
Concen: 0.313 ug/L
RT: 11.567 min Scan# 31
Delta R.T. 0.000 min
Lab File: VV039411.D
Acq: 19 Nov 2025 13:56

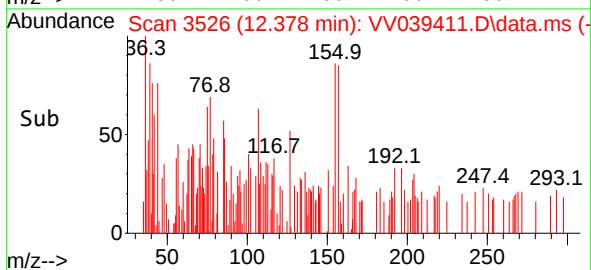
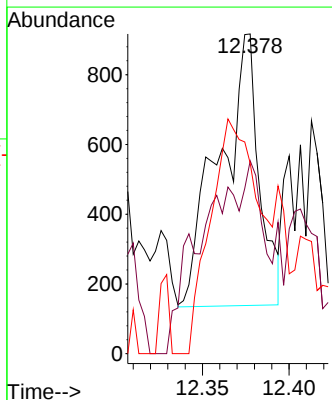
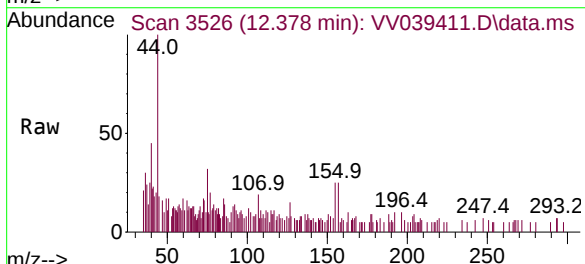
Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT4-2025-07

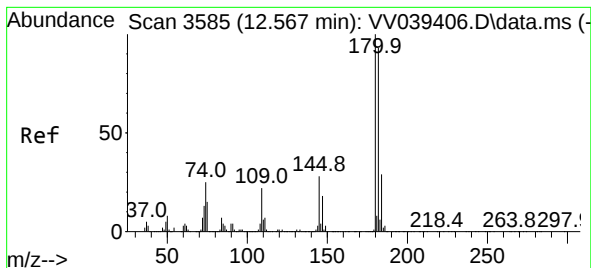
Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.5	31.7	47.5
148	65.2	49.8	74.6



#68
1,2-Dibromo-3-chloropropane
Concen: 0.315 ug/L
RT: 12.378 min Scan# 3526
Delta R.T. 0.023 min
Lab File: VV039411.D
Acq: 19 Nov 2025 13:56

Tgt Ion	Ratio	Lower	Upper
75	100		
155	60.3	69.5	104.3#
157	59.5	92.0	138.0#





#69

1,3,5-Trichlorobenzene

Concen: 0.299 ug/L

RT: 12.580 min Scan# 3589

Delta R.T. 0.013 min

Lab File: VV039411.D

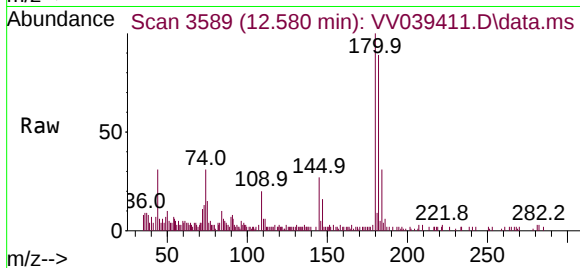
Acq: 19 Nov 2025 13:56

Instrument :

MSVOA_V

ClientSampleId :

MDL-WATER-QT4-2025-07



Tgt Ion:180 Resp: 15063

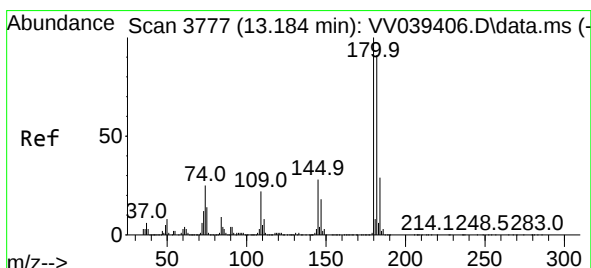
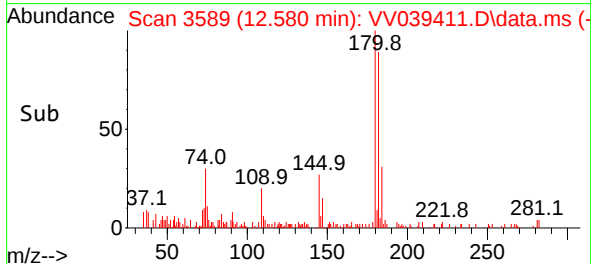
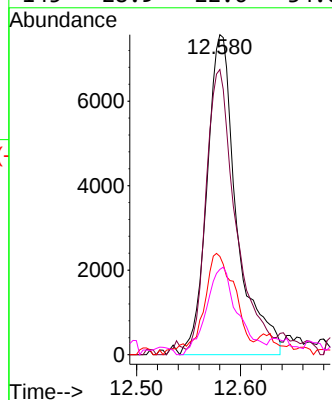
Ion Ratio Lower Upper

180 100

182 85.9 76.9 115.3

184 34.0 24.3 36.5

145 28.9 22.6 34.0



#70

1,2,4-trichlorobenzene

Concen: 0.290 ug/L

RT: 13.197 min Scan# 3781

Delta R.T. 0.013 min

Lab File: VV039411.D

Acq: 19 Nov 2025 13:56

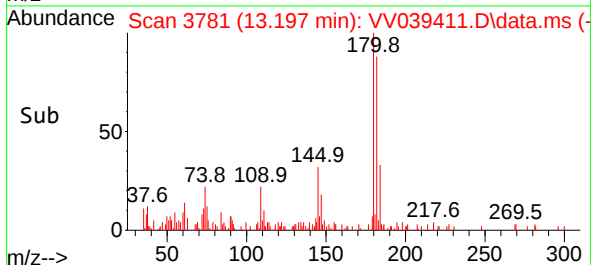
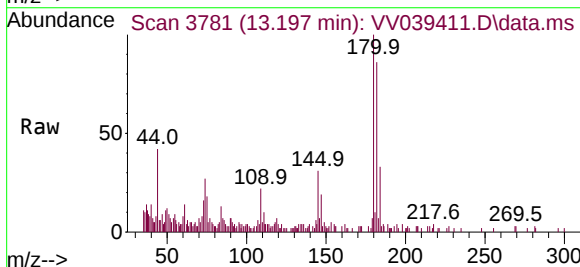
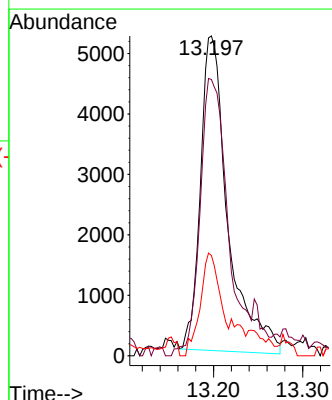
Tgt Ion:180 Resp: 11145

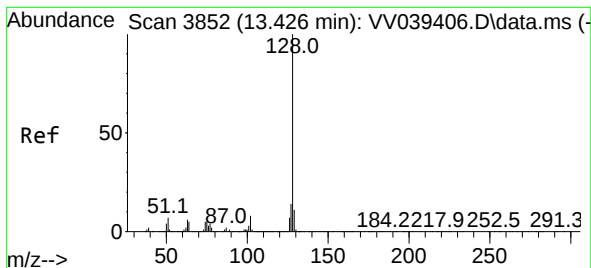
Ion Ratio Lower Upper

180 100

182 88.6 74.6 111.8

145 23.9 23.3 34.9





#71

Naphthalene

Concen: 0.230 ug/L

RT: 13.445 min Scan# 3858

Delta R.T. 0.019 min

Lab File: VV039411.D

Acq: 19 Nov 2025 13:56

Instrument :

MSVOA_V

ClientSampleId :

MDL-WATER-QT4-2025-07

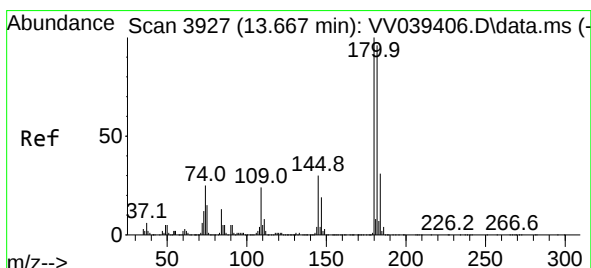
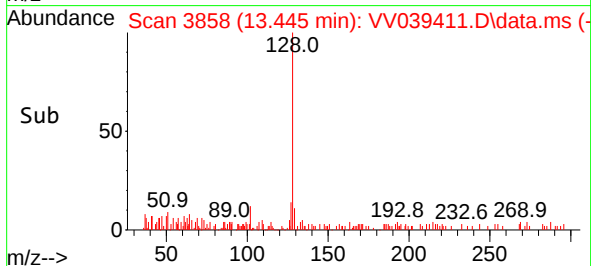
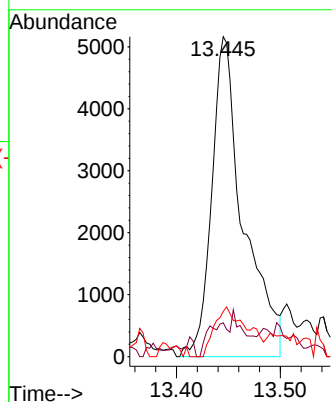
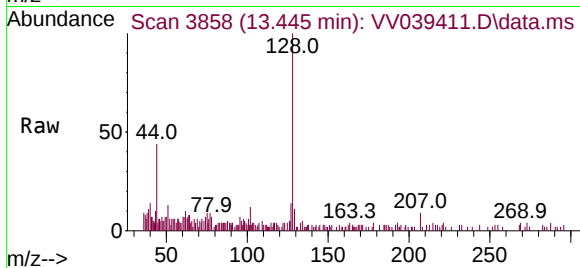
Tgt Ion:128 Resp: 10900

Ion Ratio Lower Upper

128 100

129 6.9 8.6 12.8#

127 15.9 11.3 16.9



#72

1,2,3-Trichlorobenzene

Concen: 0.241 ug/L

RT: 13.677 min Scan# 3930

Delta R.T. 0.010 min

Lab File: VV039411.D

Acq: 19 Nov 2025 13:56

Tgt Ion:180 Resp: 8276

Ion Ratio Lower Upper

180 100

182 109.1 75.4 113.0

145 34.0 24.6 36.8

