

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV111325\
 Data File : VV039380.D
 Acq On : 13 Nov 2025 14:11
 Operator : SY/MD
 Sample : Q3530-09
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 8 Sample Multiplier: 1

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

Quant Time: Nov 14 05:49:27 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V111125W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 14 05:49:16 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	4.596	168	735773	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	5.529	114	1130151	50.000	ug/l	0.00
63) Chlorobenzene-d5	8.773	117	1073700	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.172	152	569720	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.937	65	535220	58.964	ug/l	0.00
Spiked Amount	50.000	Range	81 - 118	Recovery	= 117.920%	
35) Dibromofluoromethane	4.500	113	460185	53.089	ug/l	0.00
Spiked Amount	50.000	Range	80 - 119	Recovery	= 106.180%	
50) Toluene-d8	7.233	98	1338273	46.720	ug/l	0.00
Spiked Amount	50.000	Range	89 - 112	Recovery	= 93.440%	
62) 4-Bromofluorobenzene	10.001	95	488088	44.345	ug/l	0.00
Spiked Amount	50.000	Range	85 - 114	Recovery	= 88.680%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.124	85	2177	0.496	ug/l	85
3) Chloromethane	1.230	50	2282	0.557	ug/l	97
4) Vinyl Chloride	1.304	62	2085	0.412	ug/l #	80
5) Bromomethane	1.500	94	2281	0.758	ug/l #	66
6) Chloroethane	1.558	64	1034	0.277	ug/l	91
7) Trichlorofluoromethane	1.732	101	2978	0.289	ug/l	94
8) Diethyl Ether	1.918	74	2070	0.527	ug/l	58
9) 1,1,2-Trichlorotrifluo...	2.079	101	2677	0.395	ug/l #	69
10) Methyl Iodide	2.198	142	3106	0.745	ug/l	93
11) Tert butyl alcohol	2.571	59	1021	1.050	ug/l #	42
12) 1,1-Dichloroethene	2.089	96	2237	0.418	ug/l #	70
13) Acrolein	2.015	56	297	3.255	ug/l #	1
14) Allyl chloride	2.362	41	2648	0.277	ug/l #	62
15) Acrylonitrile	2.674	53	491	0.130	ug/l #	52
16) Acetone	2.124	43	13495	2.810	ug/l #	85
17) Carbon Disulfide	2.253	76	4053	0.479	ug/l #	77
18) Methyl Acetate	2.407	43	1566	0.122	ug/l #	40
19) Methyl tert-butyl Ether	2.716	73	6510	0.323	ug/l	94
20) Methylene Chloride	2.462	84	3781	0.510	ug/l #	77
21) trans-1,2-Dichloroethene	2.722	96	2396	0.451	ug/l #	59
22) Diisopropyl ether	3.224	45	3866	0.186	ug/l #	23
23) Vinyl Acetate	3.172	43	374	0.026	ug/l #	72
24) 1,1-Dichloroethane	3.127	63	3402	0.270	ug/l #	65
25) 2-Butanone	3.847	43	439	0.088	ug/l	97
26) 2,2-Dichloropropane	3.812	77	1642	0.155	ug/l	95
27) cis-1,2-Dichloroethene	3.851	96	924	0.128	ug/l	67
28) Bromochloromethane	4.156	49	414	0.075	ug/l #	94
29) Tetrahydrofuran	4.214	42	821	0.293	ug/l #	61
30) Chloroform	4.288	83	3516	0.252	ug/l	98
31) Cyclohexane	4.593	56	12385	1.569	ug/l #	2
32) 1,1,1-Trichloroethane	4.519	97	4103	0.352	ug/l #	33
36) 1,1-Dichloropropene	4.596	75	51201	6.858	ug/l #	48
37) Ethyl Acetate	3.947	43	430	0.037	ug/l #	44
38) Carbon Tetrachloride	4.600	117	66312	5.979	ug/l #	16
39) Methylcyclohexane	6.040	83	1692	0.213	ug/l	89
40) Benzene	5.037	78	5602	0.215	ug/l #	77

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.146	41	257	0.063	ug/l #	27
42) 1,2-Dichloroethane	5.024	62	315	0.031	ug/l #	74
43) Isopropyl Acetate	5.188	43	33	0.002	ug/l #	1
44) Trichloroethene	5.854	130	2315	0.327	ug/l	53
45) 1,2-Dichloropropane	6.101	63	573	0.081	ug/l #	53
46) Dibromomethane	6.223	93	179	0.032	ug/l #	23
47) Bromodichloromethane	6.442	83	2904	0.236	ug/l #	56
48) Methyl methacrylate	6.313	41	569	0.080	ug/l	97
49) 1,4-Dioxane	6.275	88	334	3.047	ug/l #	49
51) 4-Methyl-2-Pentanone	7.169	43	9277	0.888	ug/l	96
52) Toluene	7.320	92	5477	0.335	ug/l	82
53) t-1,3-Dichloropropene	7.583	75	327	0.031	ug/l #	87
54) cis-1,3-Dichloropropene	6.960	75	459	0.041	ug/l #	42
55) 1,1,2-Trichloroethane	7.741	97	64	0.008	ug/l #	1
56) Ethyl methacrylate	7.712	69	248	0.025	ug/l #	1
57) 1,3-Dichloropropane	8.088	76	358	0.028	ug/l	94
58) 2-Chloroethyl Vinyl ether	6.741	63	281	0.099	ug/l	96
59) 2-Hexanone	7.979	43	265	0.036	ug/l	68
60) Dibromochloromethane	8.175	129	3776	0.356	ug/l	84
61) 1,2-Dibromoethane	8.188	107	233	0.029	ug/l	87
64) Tetrachloroethene	7.908	164	2091	0.315	ug/l #	75
65) Chlorobenzene	8.809	112	7203	0.337	ug/l	100
66) 1,1,1,2-Tetrachloroethane	8.905	131	3377	0.379	ug/l #	65
67) Ethyl Benzene	8.950	91	7663	0.248	ug/l	94
68) m/p-Xylenes	9.079	106	5423	0.464	ug/l	98
69) o-Xylene	9.481	106	2606	0.236	ug/l	79
70) Styrene	9.249	104	373	0.019	ug/l	88
71) Bromoform	9.667	173	3395	0.410	ug/l #	83
73) Isopropylbenzene	9.863	105	7083	0.255	ug/l	84
74) N-amyl acetate	9.725	43	56	0.005	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	10.175	83	4877	0.403	ug/l	86
76) 1,2,3-Trichloropropane	9.998	75	237783	26.889	ug/l #	54
77) Bromobenzene	10.156	156	2956	0.344	ug/l	84
78) n-propylbenzene	10.291	91	9204	0.289	ug/l	89
79) 2-Chlorotoluene	10.362	91	5273	0.258	ug/l	98
80) 1,3,5-Trimethylbenzene	10.474	105	6042	0.266	ug/l	98
81) trans-1,4-Dichloro-2-b...	9.998	75	237783	72.081	ug/l #	10
82) 4-Chlorotoluene	10.493	91	6721	0.295	ug/l	94
83) tert-Butylbenzene	10.792	119	6417	0.257	ug/l	81
84) 1,2,4-Trimethylbenzene	10.853	105	5663	0.256	ug/l	91
85) sec-Butylbenzene	11.017	105	7949	0.268	ug/l	93
86) p-Isopropyltoluene	11.172	119	7287	0.285	ug/l #	57
87) 1,3-Dichlorobenzene	11.124	146	5393	0.327	ug/l	92
88) 1,4-Dichlorobenzene	11.124	146	5393	0.300	ug/l	92
89) n-Butylbenzene	11.596	91	5033	0.221	ug/l	80
90) Hexachloroethane	11.818	117	1480	0.232	ug/l	86
91) 1,2-Dichlorobenzene	11.484	146	208	0.013	ug/l	87
92) 1,2-Dibromo-3-Chloropr...	12.342	75	110	0.044	ug/l #	52
93) 1,2,4-Trichlorobenzene	13.339	180	112	0.011	ug/l	80
94) Hexachlorobutadiene	13.374	225	2562	0.470	ug/l	92
95) Naphthalene	13.387	128	277	0.010	ug/l #	44
96) 1,2,3-Trichlorobenzene	13.677	180	3072	0.291	ug/l	92

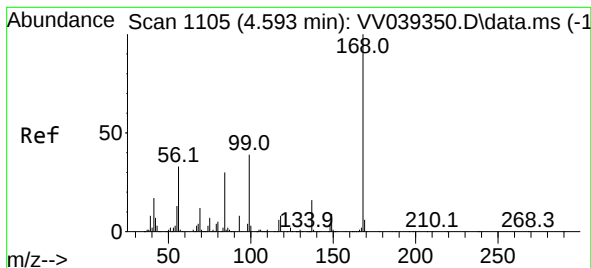
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Response via : Initial Calibration

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.596 min Scan# 11

Delta R.T. 0.003 min

Lab File: VV039380.D

Acq: 13 Nov 2025 14:11

Instrument :

MSVOA_V

ClientSampleId :

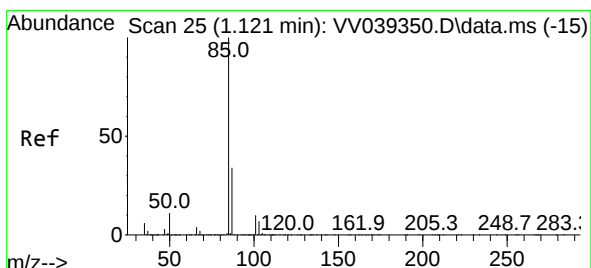
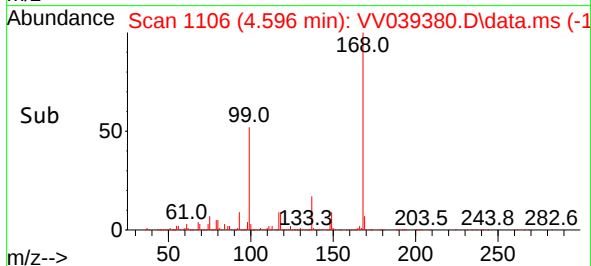
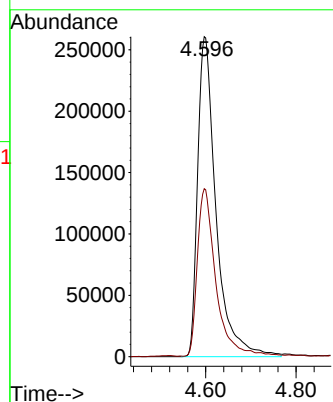
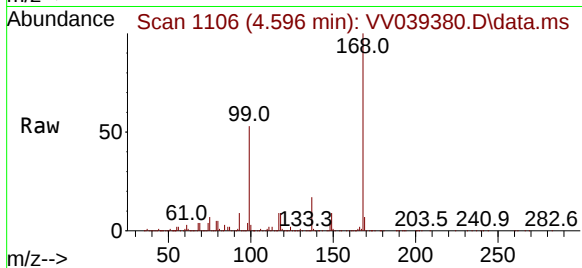
MDL-WATER-03-QT4-2025

Tgt Ion:168 Resp: 735773

Ion Ratio Lower Upper

168 100

99 52.3 41.2 61.8



#2

Dichlorodifluoromethane

Concen: 0.496 ug/l

RT: 1.124 min Scan# 26

Delta R.T. 0.003 min

Lab File: VV039380.D

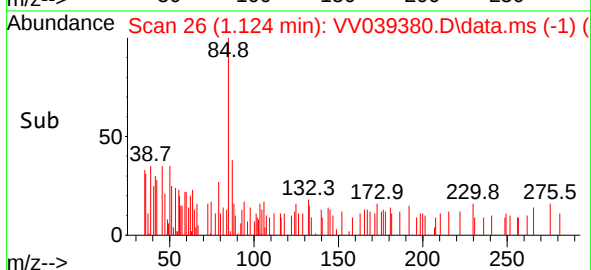
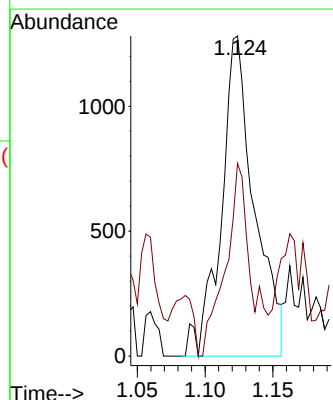
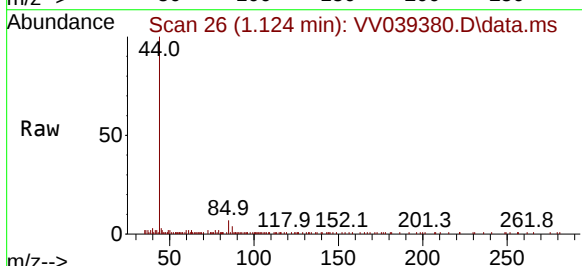
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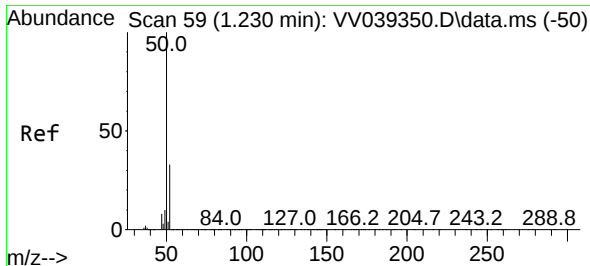
Tgt Ion: 85 Resp: 2177

Ion Ratio Lower Upper

85 100

87 42.4 16.9 50.7

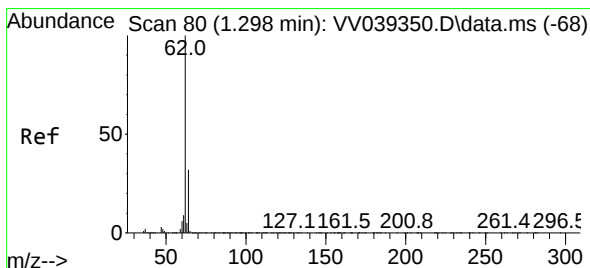
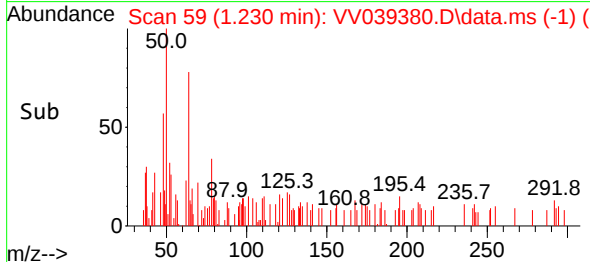
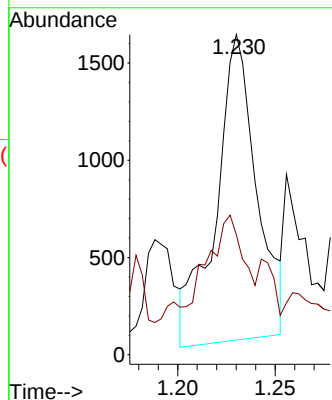
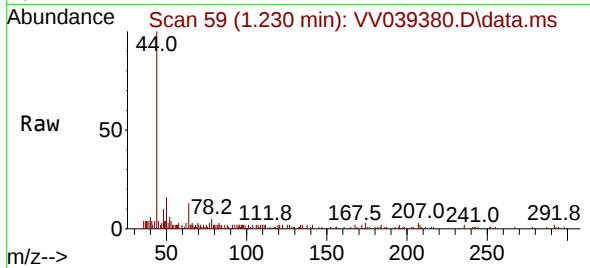




#3
Chloromethane
Concen: 0.557 ug/l
RT: 1.230 min Scan# 59
Delta R.T. 0.000 min
Lab File: VV039380.D
Acq: 13 Nov 2025 14:11

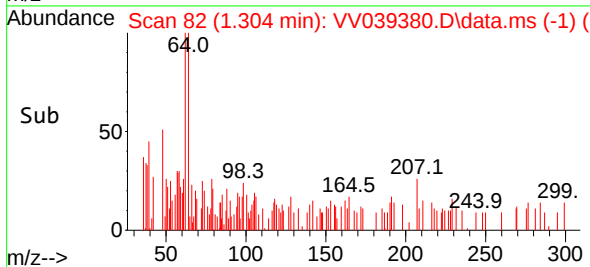
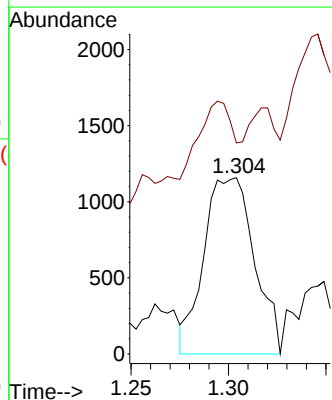
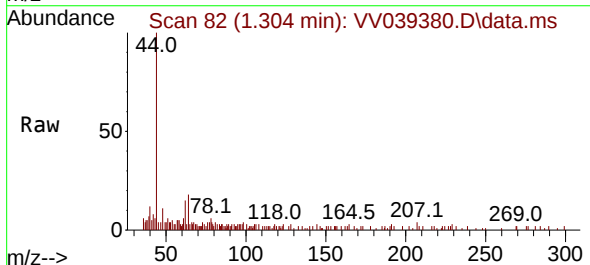
Instrument :
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ClientSampleId :
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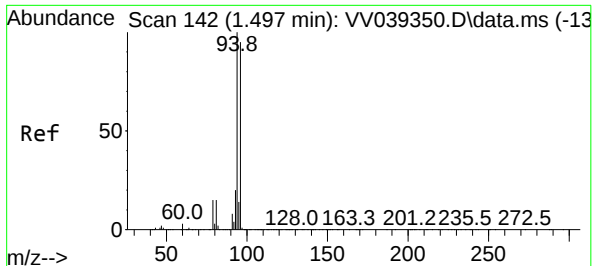
Tgt Ion: 50 Resp: 2282
Ion Ratio Lower Upper
50 100
52 31.7 26.6 39.8



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

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

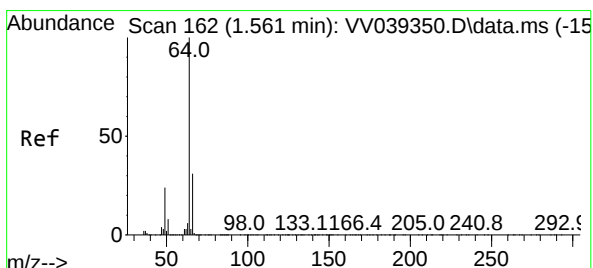
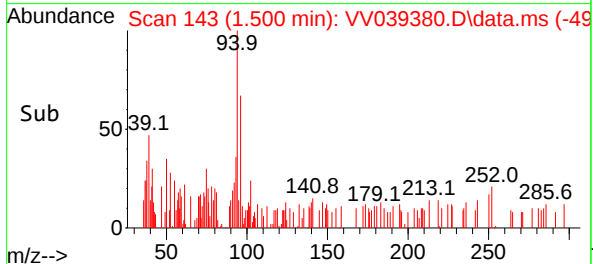
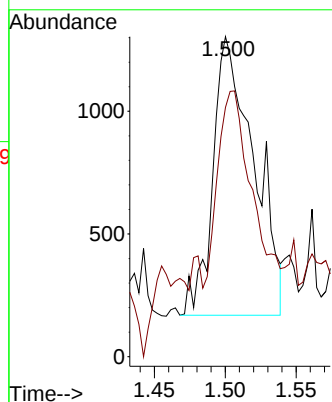
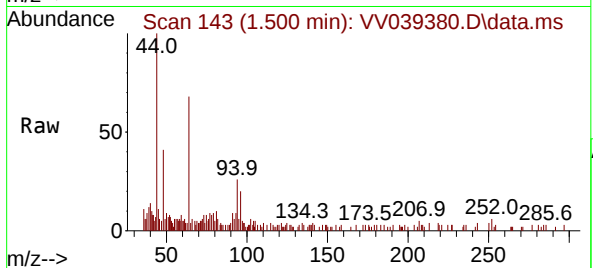




#5
Bromomethane
Concen: 0.758 ug/l
RT: 1.500 min Scan# 142
Delta R.T. 0.003 min
Lab File: VV039380.D
Acq: 13 Nov 2025 14:11

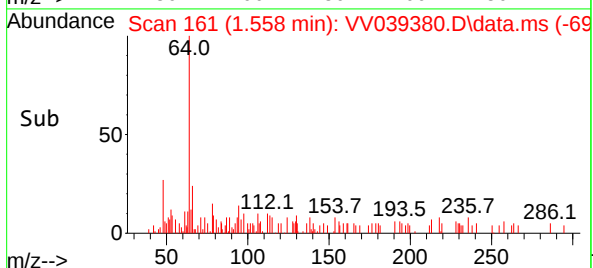
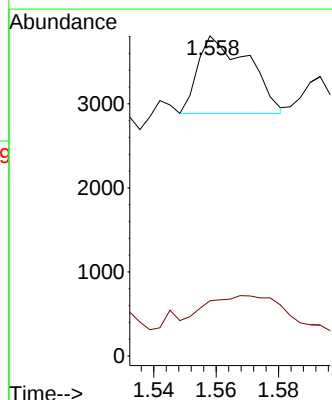
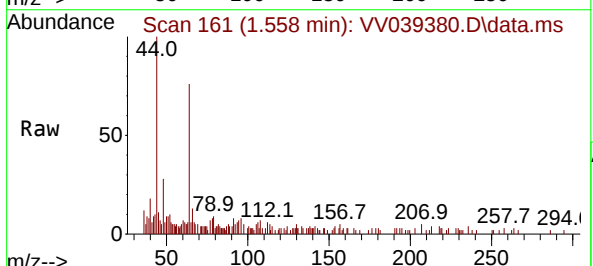
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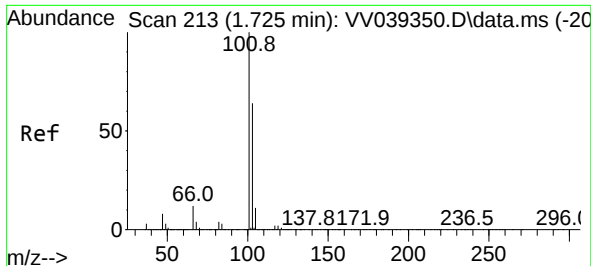
Tgt Ion: 94 Resp: 2281
Ion Ratio Lower Upper
94 100
96 61.4 75.6 113.4#



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

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

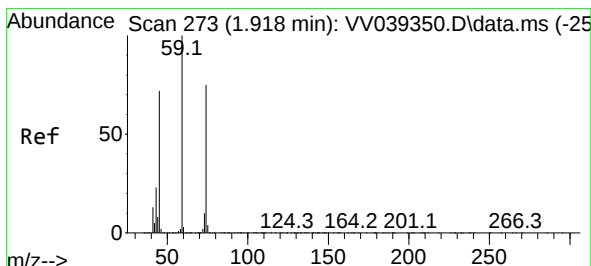
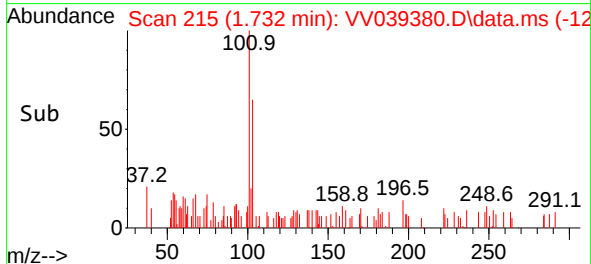
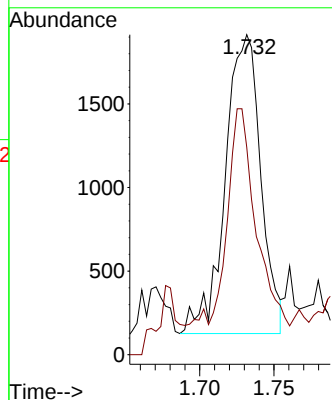
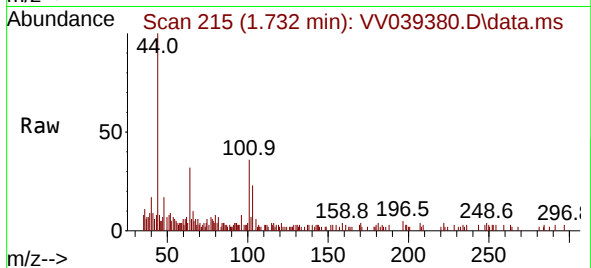




#7
 Trichlorofluoromethane
 Concen: 0.289 ug/l
 RT: 1.732 min Scan# 213
 Delta R.T. 0.007 min
 Lab File: VV039380.D
 Acq: 13 Nov 2025 14:11

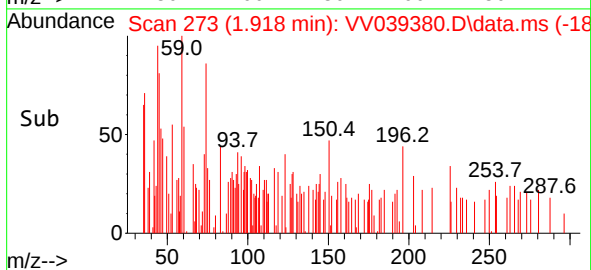
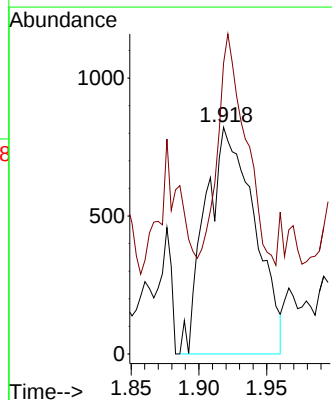
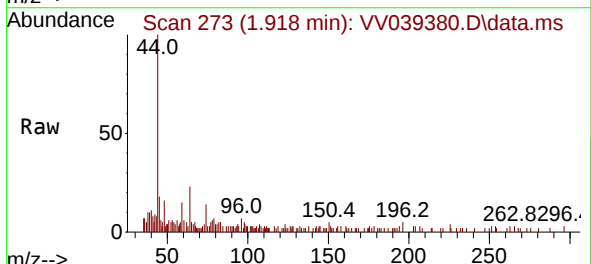
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 MDL-WATER-03-QT4-2025

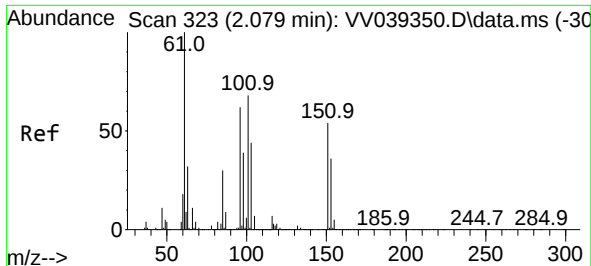
Tgt Ion:101 Resp: 2978
 Ion Ratio Lower Upper
 101 100
 103 59.3 50.9 76.3



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

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

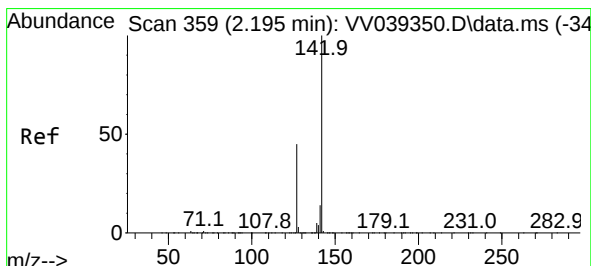
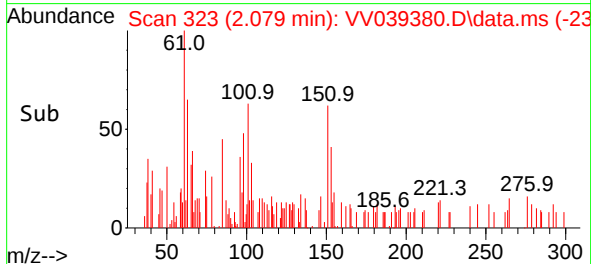
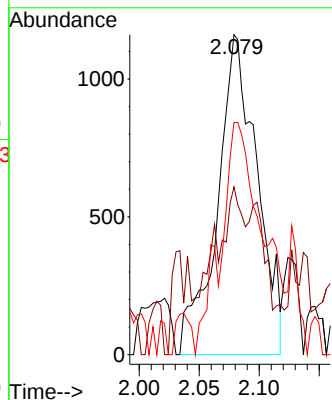
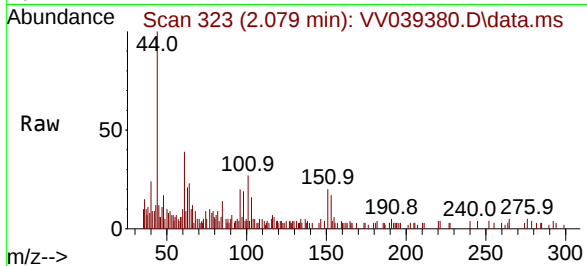




#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.395 ug/l
RT: 2.079 min Scan# 31
Delta R.T. -0.000 min
Lab File: VV039380.D
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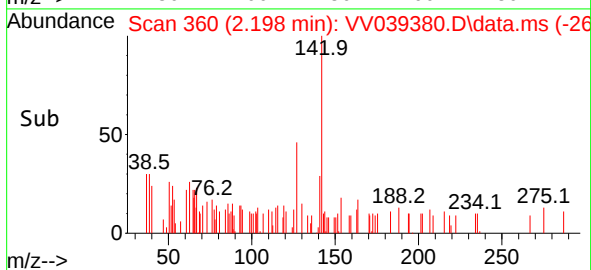
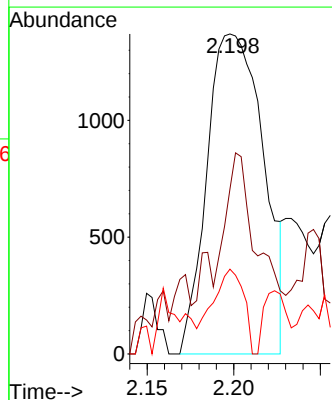
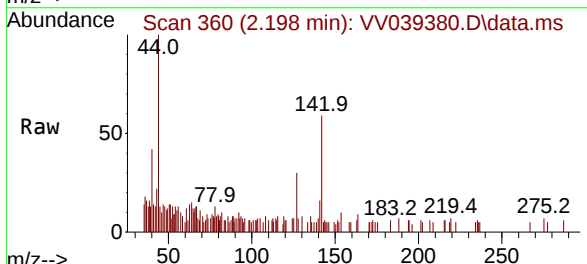
Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-03-QT4-2025

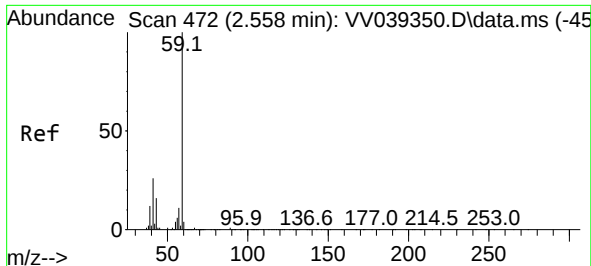
Tgt Ion:101 Resp: 2677
Ion Ratio Lower Upper
101 100
85 4.6 33.5 50.3#
151 65.2 63.6 95.4



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

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

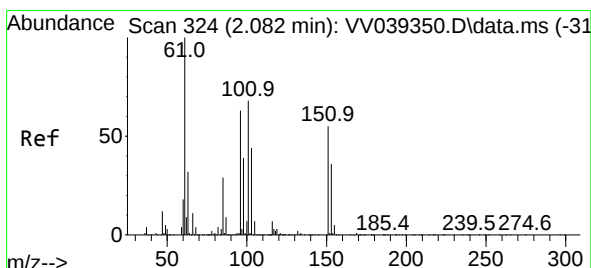
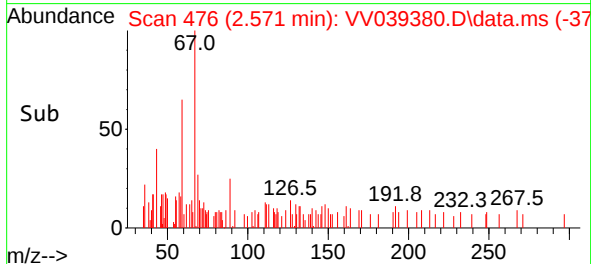
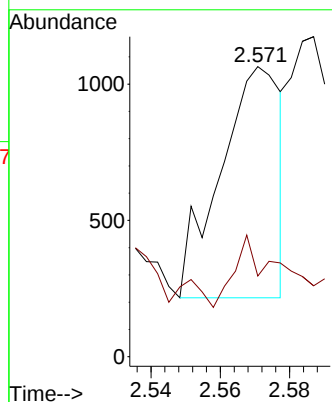
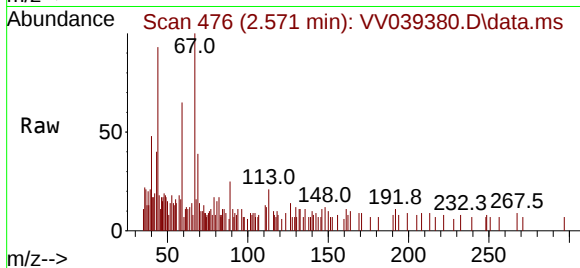




#11
Tert butyl alcohol
Concen: 1.050 ug/l
RT: 2.571 min Scan# 41
Delta R.T. 0.013 min
Lab File: VV039380.D
Acq: 13 Nov 2025 14:11

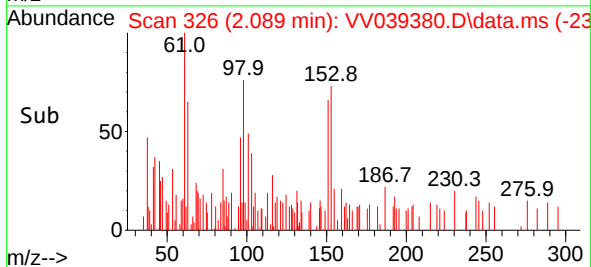
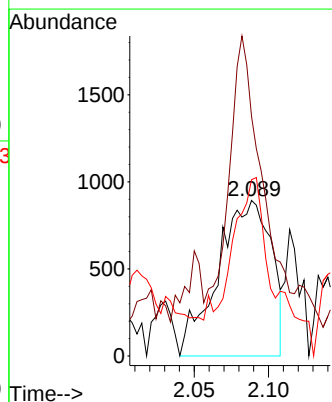
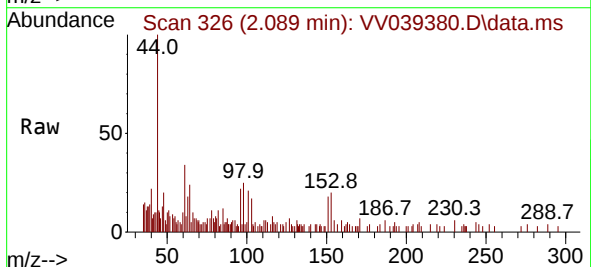
Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-03-QT4-2025

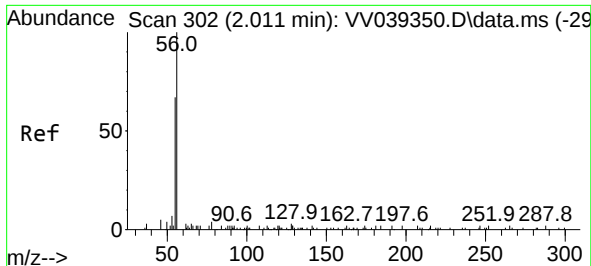
Tgt Ion: 59 Resp: 1021
Ion Ratio Lower Upper
59 100
57 31.4 8.0 12.0#



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

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

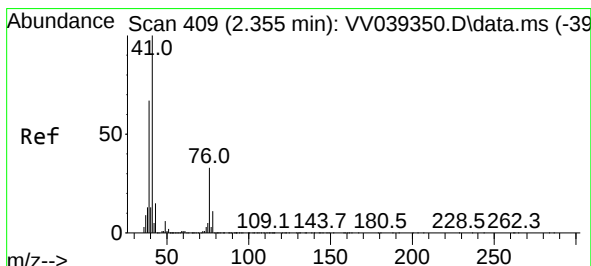
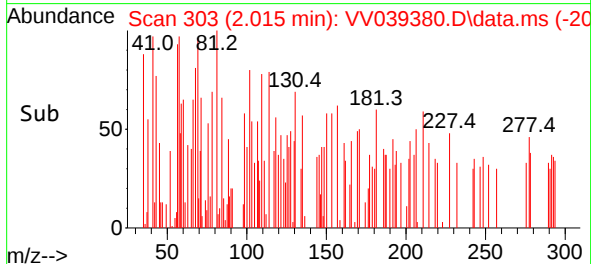
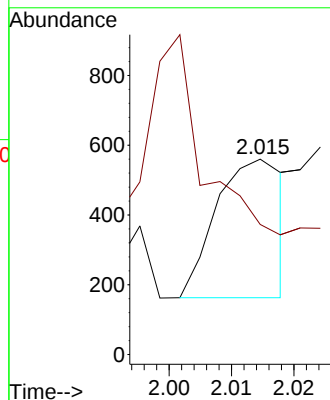
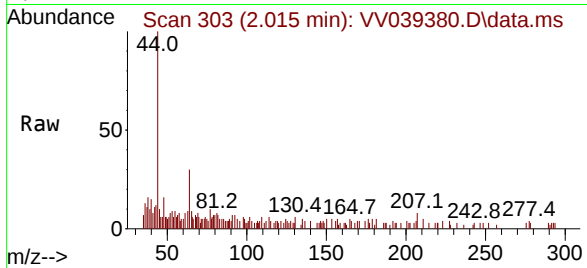




#13
Acrolein
Concen: 3.255 ug/l
RT: 2.015 min Scan# 302
Delta R.T. 0.004 min
Lab File: VV039380.D
Acq: 13 Nov 2025 14:11

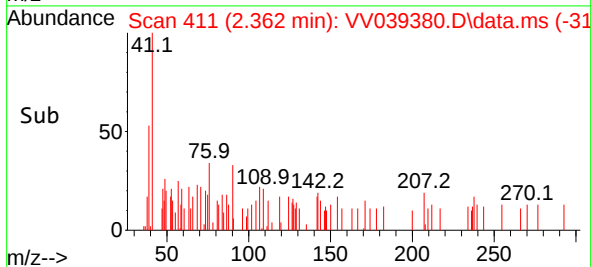
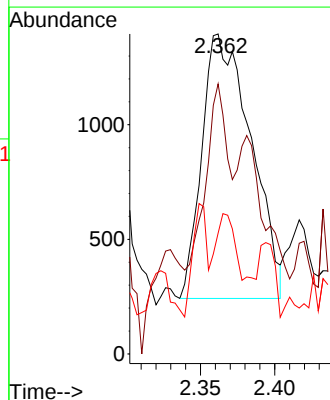
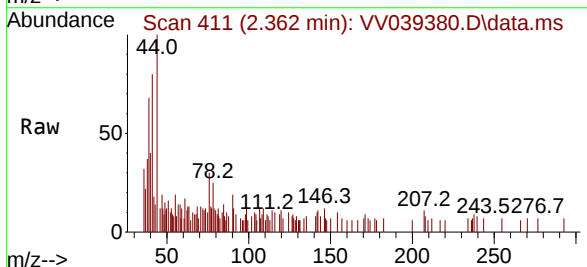
Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-03-QT4-2025

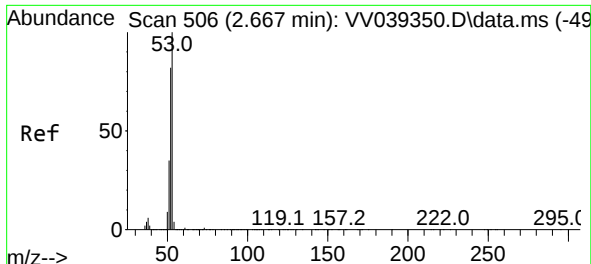
Tgt Ion: 56 Resp: 297
Ion Ratio Lower Upper
56 100
55 161.6 55.2 82.8#



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

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

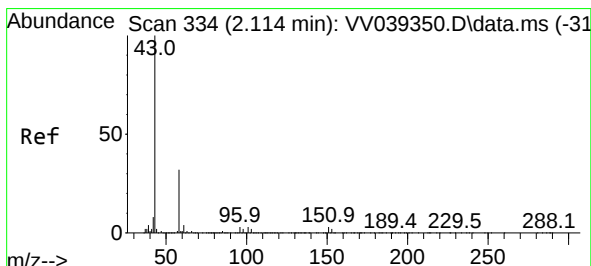
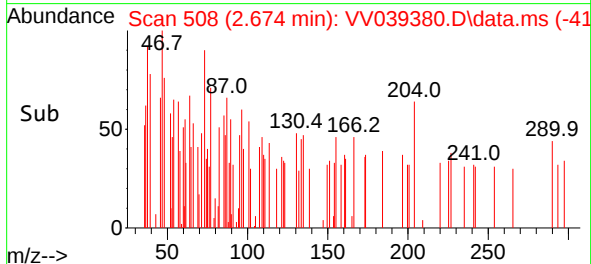
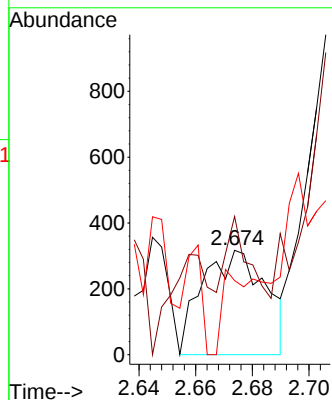
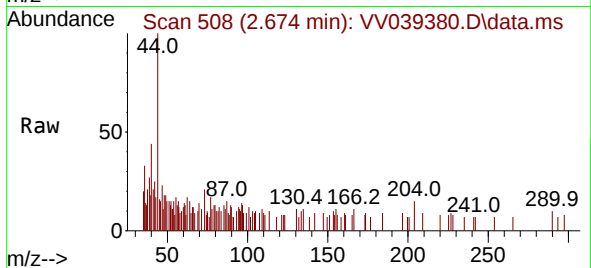




#15
Acrylonitrile
Concen: 0.130 ug/l
RT: 2.674 min Scan# 50
Delta R.T. 0.007 min
Lab File: VV039380.D
Acq: 13 Nov 2025 14:11

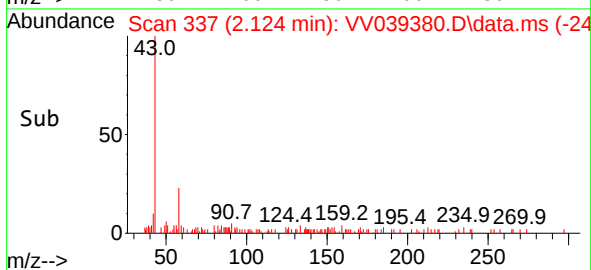
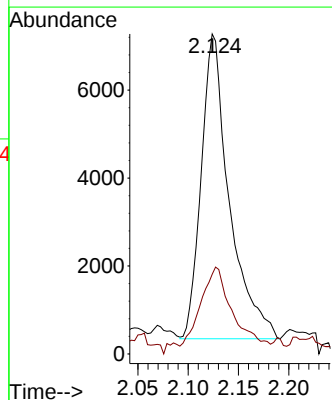
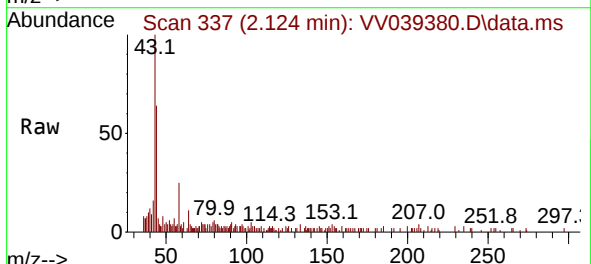
Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-03-QT4-2025

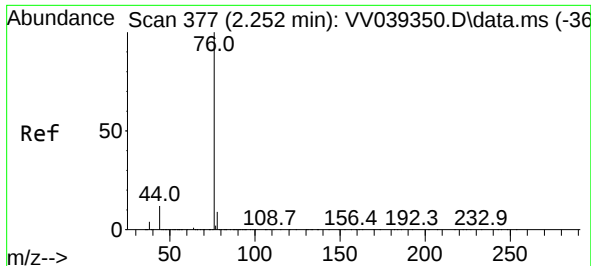
Tgt Ion: 53 Resp: 491
Ion Ratio Lower Upper
53 100
52 25.1 65.2 97.8#
51 27.1 28.4 42.6#



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

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





#17

Carbon Disulfide

Concen: 0.479 ug/l

RT: 2.253 min Scan# 31

Delta R.T. 0.001 min

Lab File: VV039380.D

Acq: 13 Nov 2025 14:11

Instrument :

MSVOA_V

ClientSampleId :

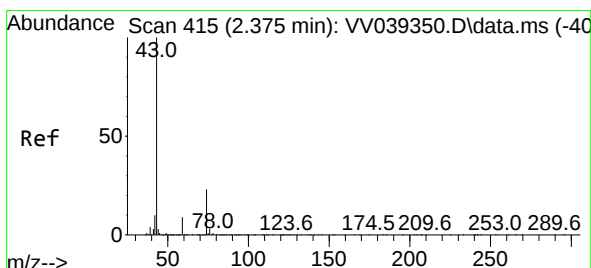
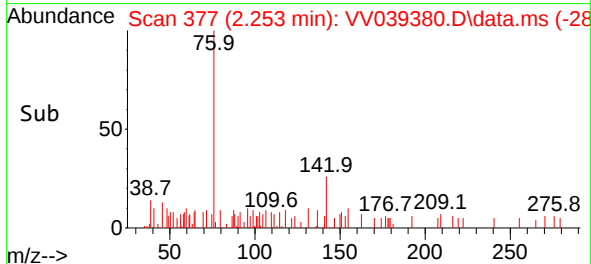
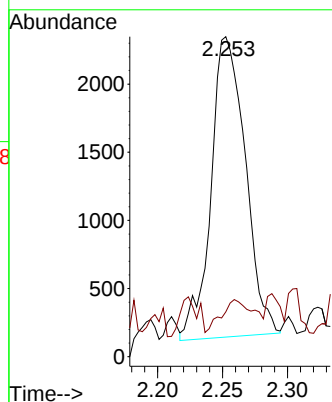
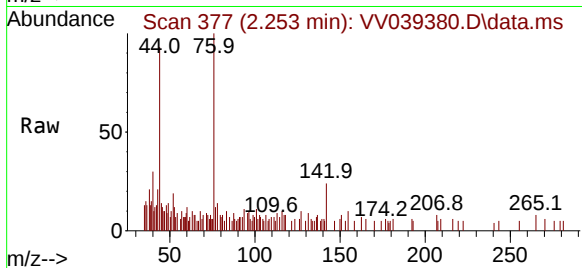
MDL-WATER-03-QT4-2025

Tgt Ion: 76 Resp: 4053

Ion Ratio Lower Upper

76 100

78 0.7 7.4 11.0#



#18

Methyl Acetate

Concen: 0.122 ug/l

RT: 2.407 min Scan# 425

Delta R.T. 0.032 min

Lab File: VV039380.D

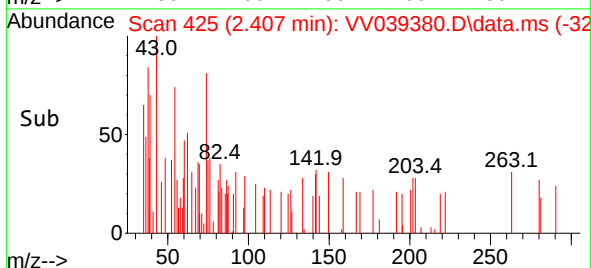
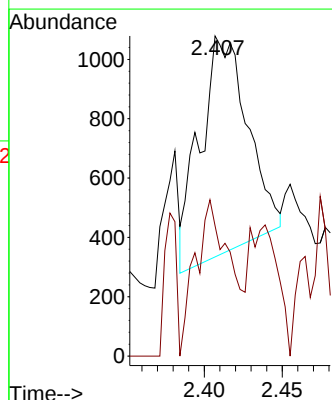
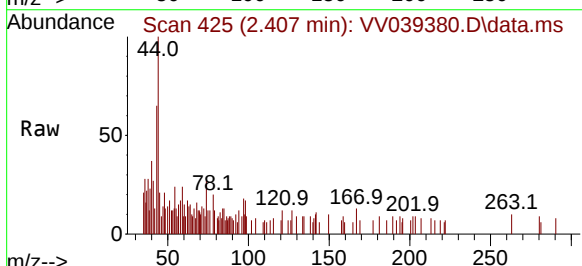
Acq: 13 Nov 2025 14:11

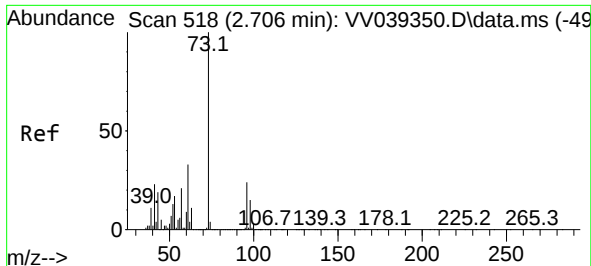
Tgt Ion: 43 Resp: 1566

Ion Ratio Lower Upper

43 100

74 52.8 18.9 28.3#

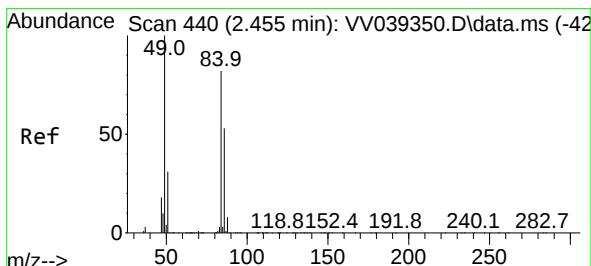
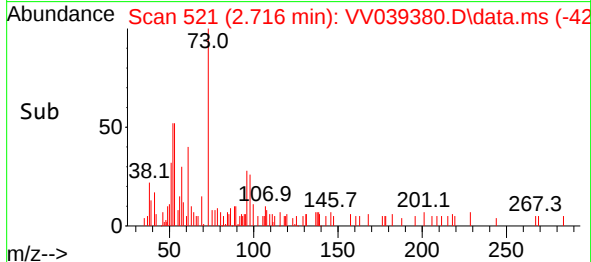
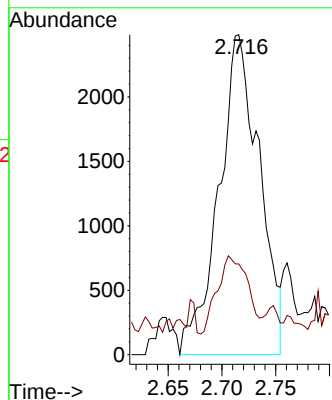
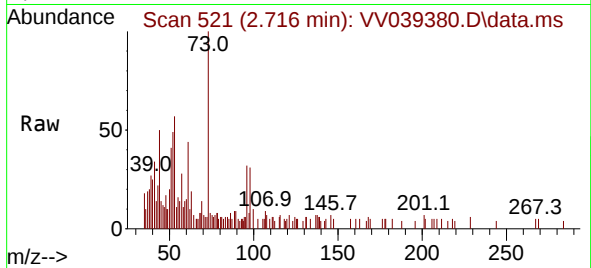




#19
Methyl tert-butyl Ether
Concen: 0.323 ug/l
RT: 2.716 min Scan# 518
Delta R.T. 0.010 min
Lab File: VV039380.D
Acq: 13 Nov 2025 14:11

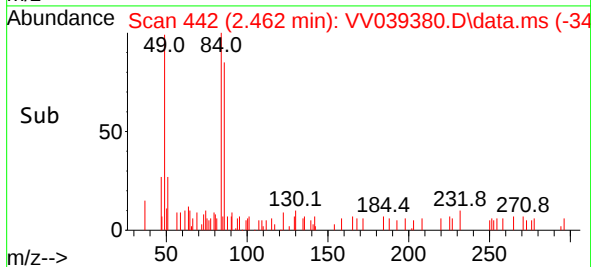
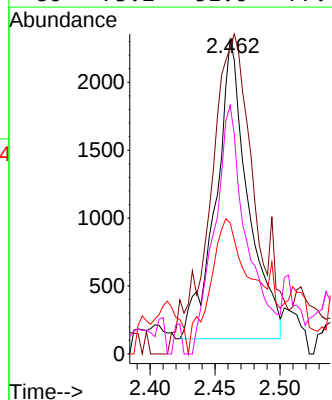
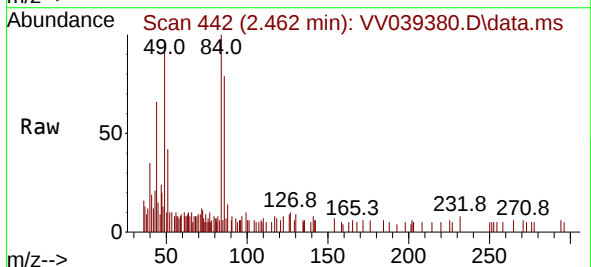
Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-03-QT4-2025

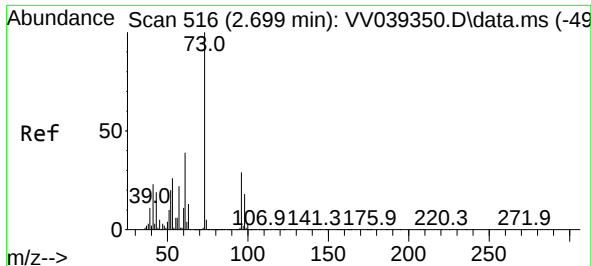
Tgt Ion: 73 Resp: 6510
Ion Ratio Lower Upper
73 100
57 18.4 17.0 25.6



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

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

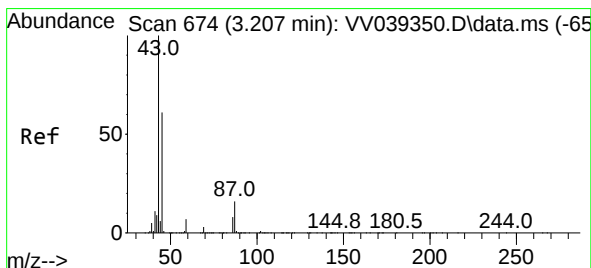
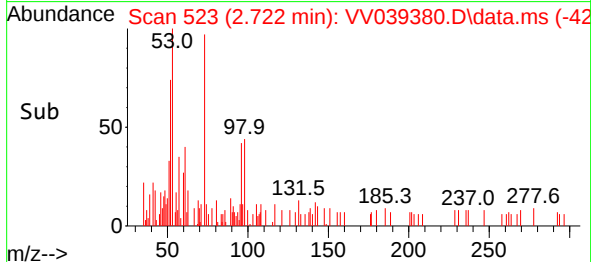
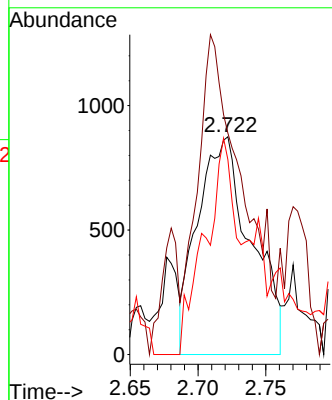
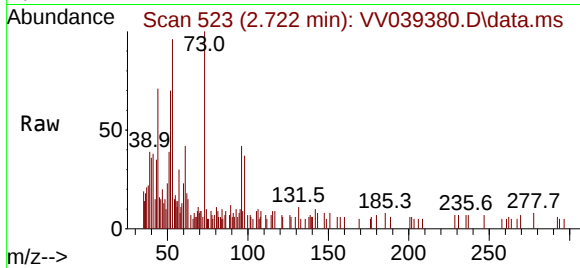




#21
trans-1,2-Dichloroethene
Concen: 0.451 ug/l
RT: 2.722 min Scan# 516
Delta R.T. 0.023 min
Lab File: VV039380.D
Acq: 13 Nov 2025 14:11

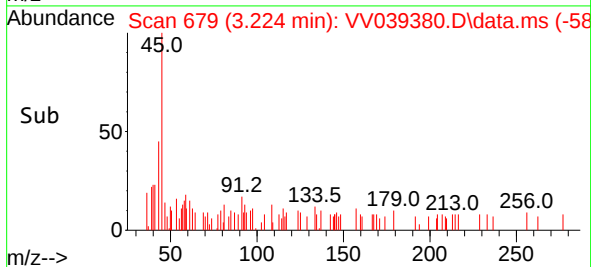
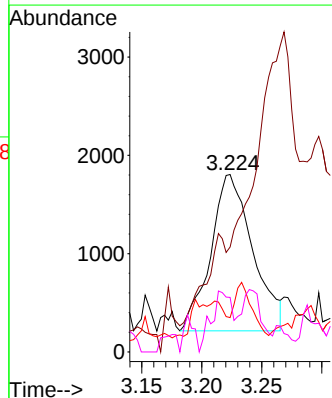
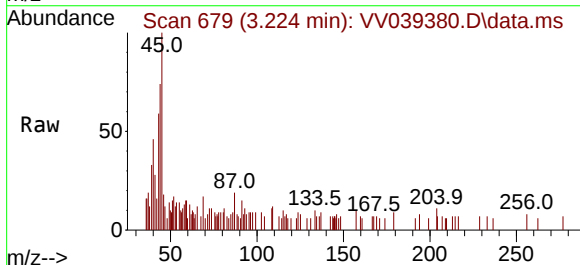
Instrument : MSVOA_V
ClientSampleId : MDL-WATER-03-QT4-2025

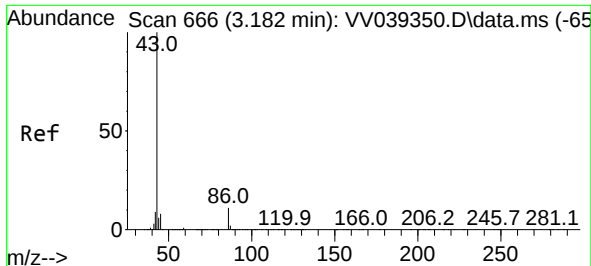
Tgt Ion: 96 Resp: 2396
Ion Ratio Lower Upper
96 100
61 100.3 108.9 163.3#
98 115.1 51.7 77.5#



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

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

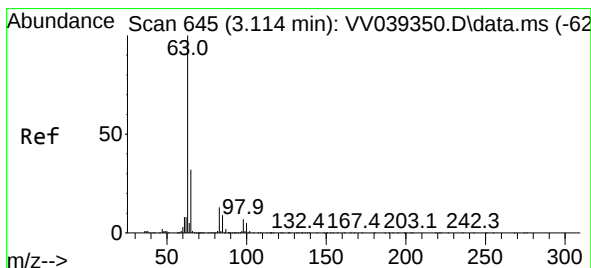
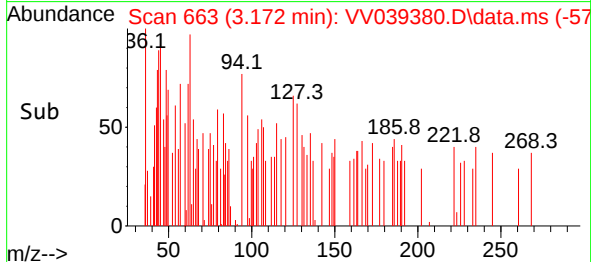
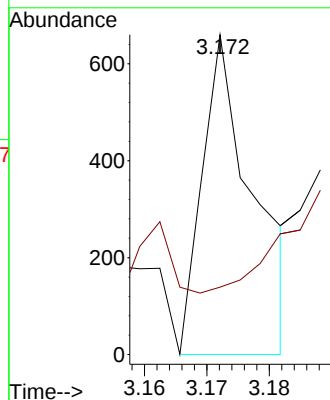
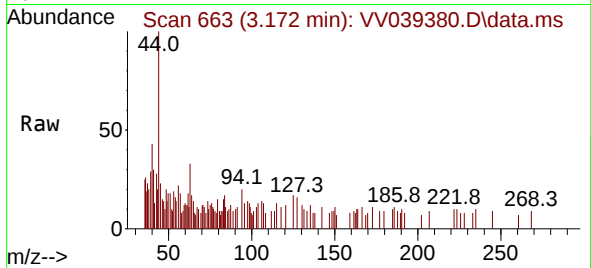




#23
 Vinyl Acetate
 Concen: 0.026 ug/l
 RT: 3.172 min Scan# 610
 Delta R.T. -0.010 min
 Lab File: VV039380.D
 Acq: 13 Nov 2025 14:11

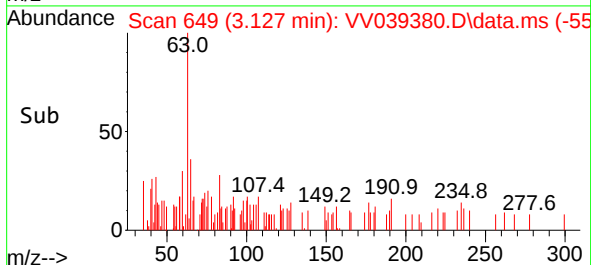
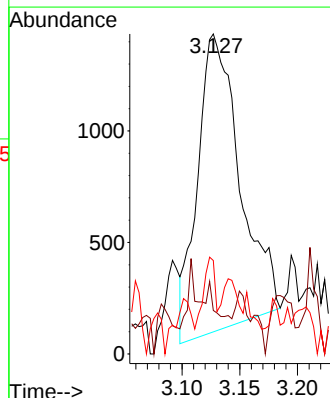
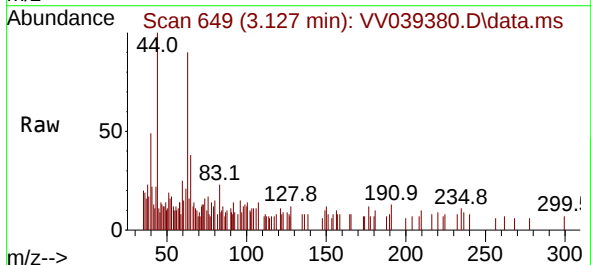
Instrument :
 MSVOA_V
 ClientSampleId :
 MDL-WATER-03-QT4-2025

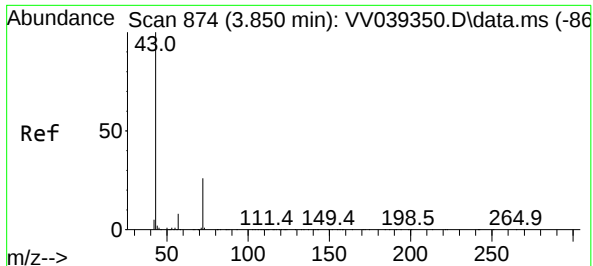
Tgt Ion: 43 Resp: 374
 Ion Ratio Lower Upper
 43 100
 86 0.0 8.6 12.8#



#24
 1,1-Dichloroethane
 Concen: 0.270 ug/l
 RT: 3.127 min Scan# 649
 Delta R.T. 0.013 min
 Lab File: VV039380.D
 Acq: 13 Nov 2025 14:11

Tgt Ion: 63 Resp: 3402
 Ion Ratio Lower Upper
 63 100
 98 0.0 3.5 10.5#
 100 23.6 2.3 6.9#





#25

2-Butanone

Concen: 0.088 ug/l

RT: 3.847 min Scan# 81

Delta R.T. -0.003 min

Lab File: VV039380.D

Acq: 13 Nov 2025 14:11

Instrument :

MSVOA_V

ClientSampleId :

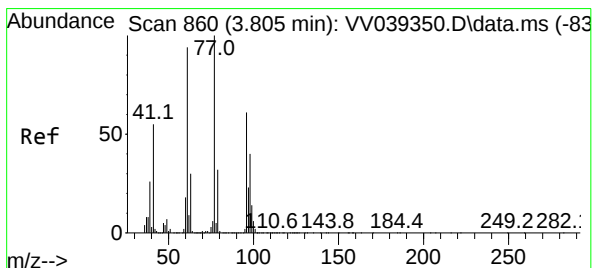
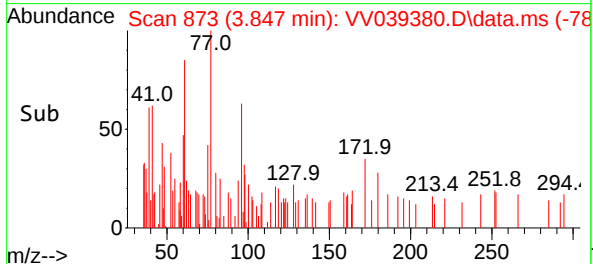
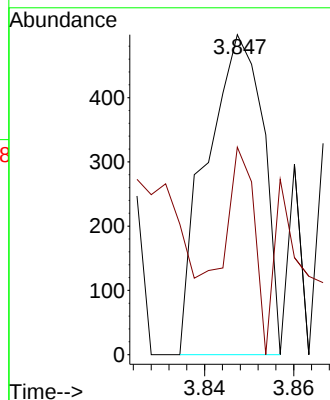
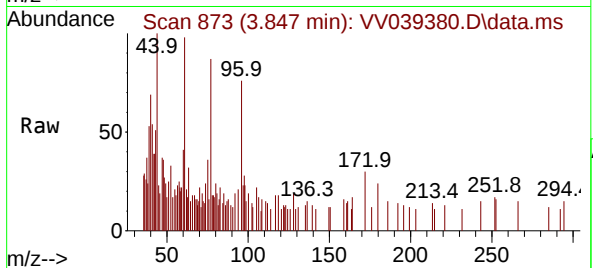
MDL-WATER-03-QT4-2025

Tgt Ion: 43 Resp: 439

Ion Ratio Lower Upper

43 100

72 24.1 20.5 30.7



#26

2,2-Dichloropropane

Concen: 0.155 ug/l

RT: 3.812 min Scan# 862

Delta R.T. 0.007 min

Lab File: VV039380.D

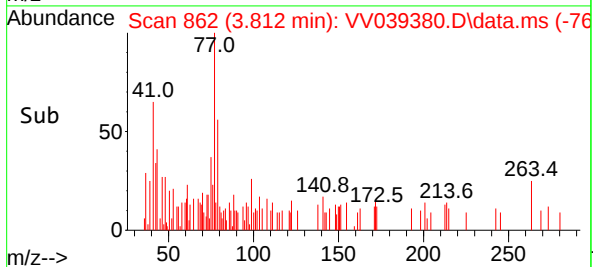
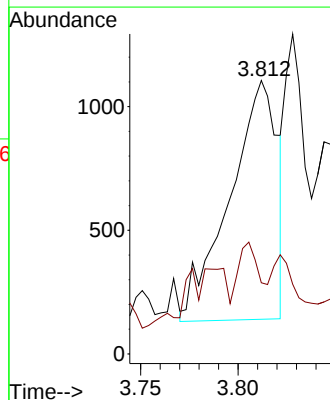
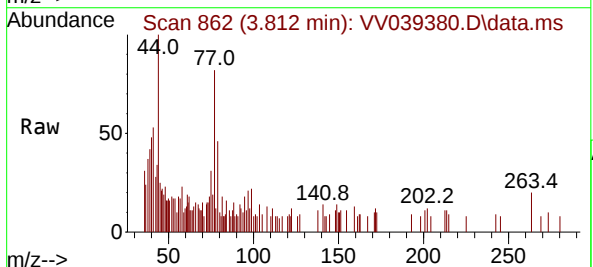
Acq: 13 Nov 2025 14:11

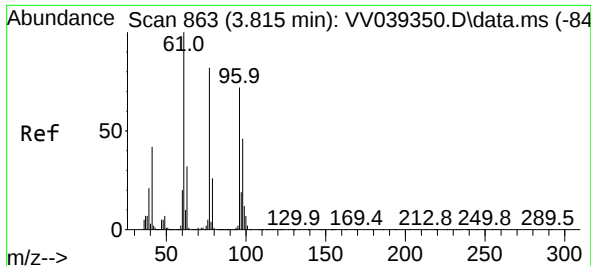
Tgt Ion: 77 Resp: 1642

Ion Ratio Lower Upper

77 100

97 25.1 11.3 33.8

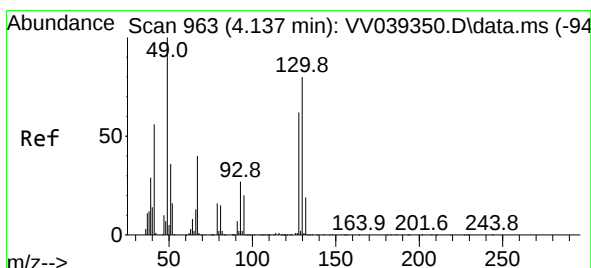
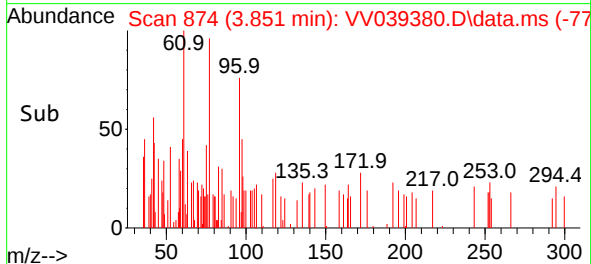
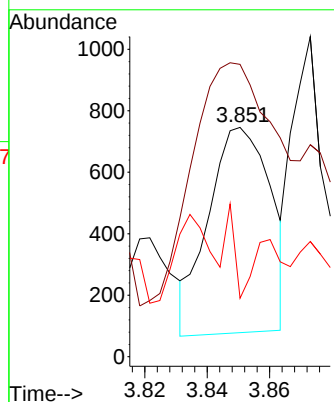
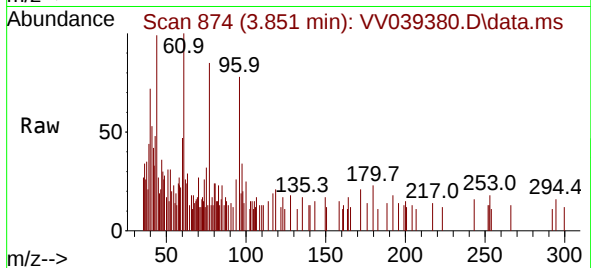




#27
 cis-1,2-Dichloroethene
 Concen: 0.128 ug/l
 RT: 3.851 min Scan# 81
 Delta R.T. 0.036 min
 Lab File: VV039380.D
 Acq: 13 Nov 2025 14:11

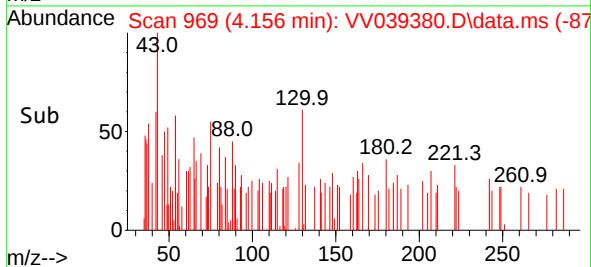
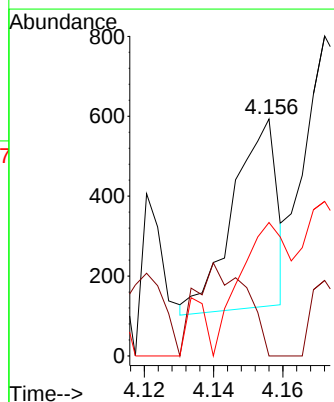
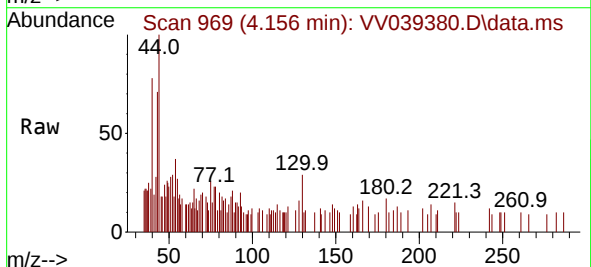
Instrument :
 MSVOA_V
 ClientSampleId :
 MDL-WATER-03-QT4-2025

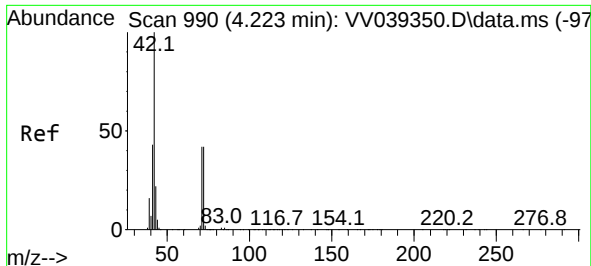
Tgt Ion: 96	Resp:	924
Ion Ratio	Lower	Upper
96	100	
61	161.8	0.0 287.8
98	6.5	0.0 129.6



#28
 Bromochloromethane
 Concen: 0.075 ug/l
 RT: 4.156 min Scan# 969
 Delta R.T. 0.019 min
 Lab File: VV039380.D
 Acq: 13 Nov 2025 14:11

Tgt Ion: 49	Resp:	414
Ion Ratio	Lower	Upper
49	100	
129	0.0	0.0 2.0
130	79.2	67.9 101.9

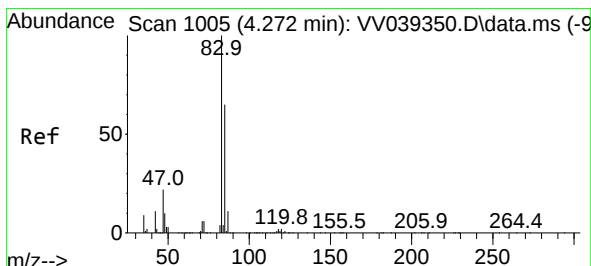
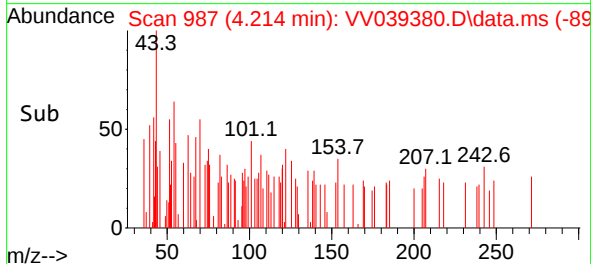
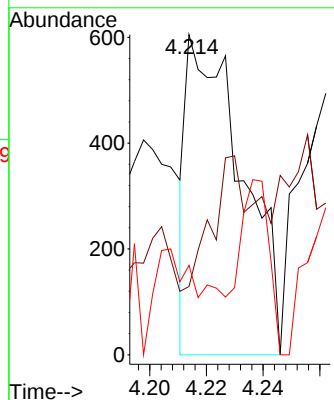
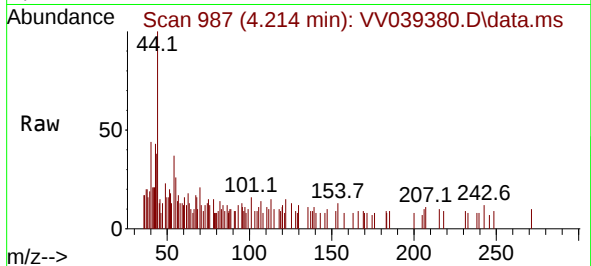




#29
Tetrahydrofuran
Concen: 0.293 ug/l
RT: 4.214 min Scan# 91
Delta R.T. -0.009 min
Lab File: VV039380.D
Acq: 13 Nov 2025 14:11

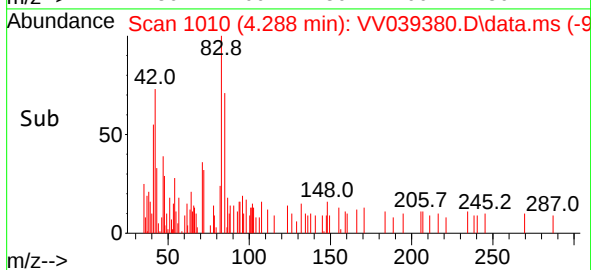
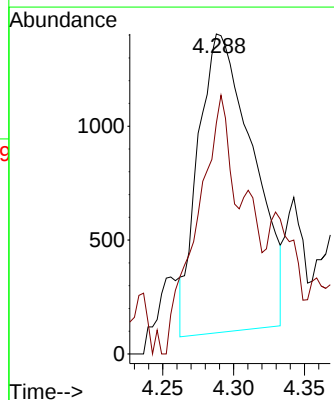
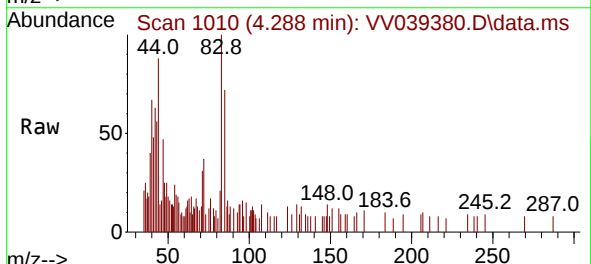
Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-03-QT4-2025

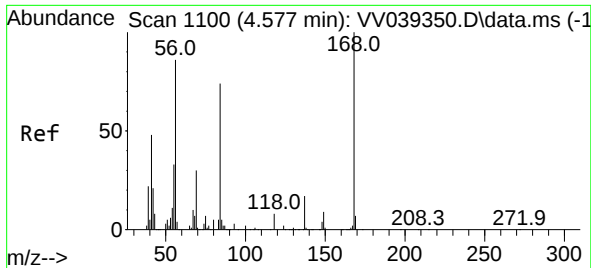
Tgt Ion: 42 Resp: 821
Ion Ratio Lower Upper
42 100
72 6.7 35.3 52.9#
71 30.5 34.0 51.0#



#30
Chloroform
Concen: 0.252 ug/l
RT: 4.288 min Scan# 1010
Delta R.T. 0.016 min
Lab File: VV039380.D
Acq: 13 Nov 2025 14:11

Tgt Ion: 83 Resp: 3516
Ion Ratio Lower Upper
83 100
85 63.3 51.8 77.8





#31

Cyclohexane

Concen: 1.569 ug/l

RT: 4.593 min Scan# 1105

Delta R.T. 0.016 min

Lab File: VV039380.D

Acq: 13 Nov 2025 14:11

Instrument :

MSVOA_V

ClientSampleId :

MDL-WATER-03-QT4-2025

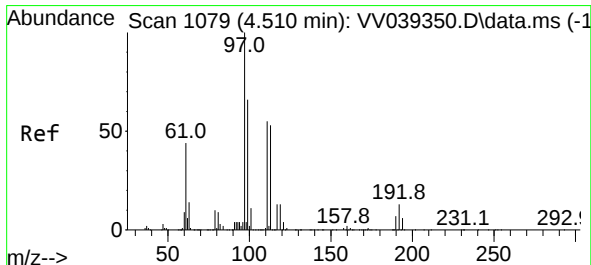
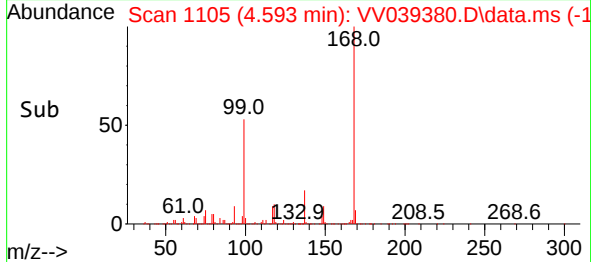
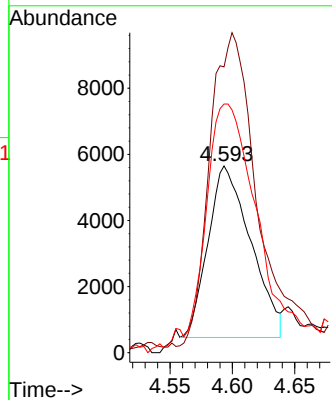
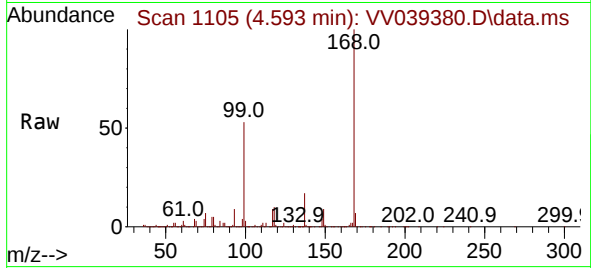
Tgt Ion: 56 Resp: 12385

Ion Ratio Lower Upper

56 100

69 162.7 27.7 41.5#

84 131.6 69.4 104.2#



#32

1,1,1-Trichloroethane

Concen: 0.352 ug/l

RT: 4.519 min Scan# 1082

Delta R.T. 0.009 min

Lab File: VV039380.D

Acq: 13 Nov 2025 14:11

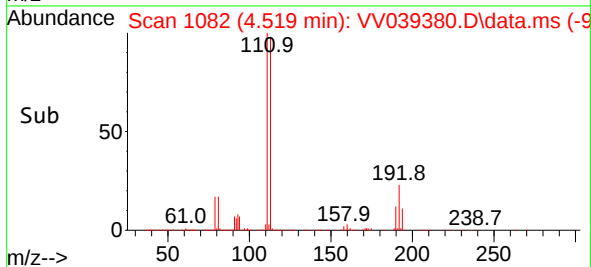
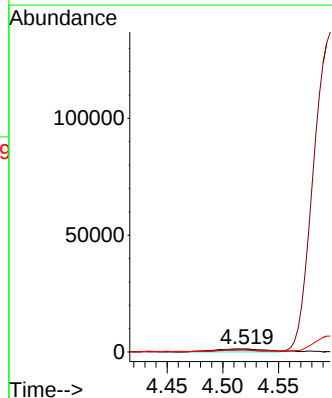
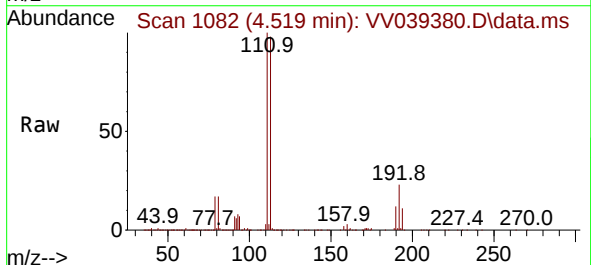
Tgt Ion: 97 Resp: 4103

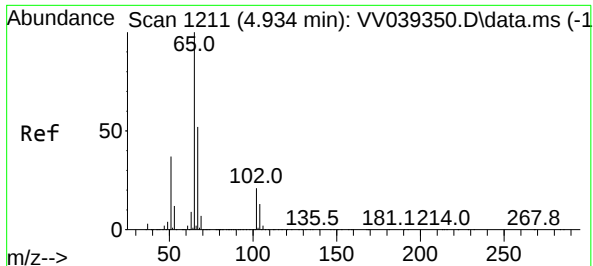
Ion Ratio Lower Upper

97 100

99 0.0 49.9 74.9#

61 13.0 33.9 50.9#





#33

1,2-Dichloroethane-d4

Concen: 58.964 ug/l

RT: 4.937 min Scan# 1

Delta R.T. 0.003 min

Lab File: VV039380.D

Acq: 13 Nov 2025 14:11

Instrument :

MSVOA_V

ClientSampleId :

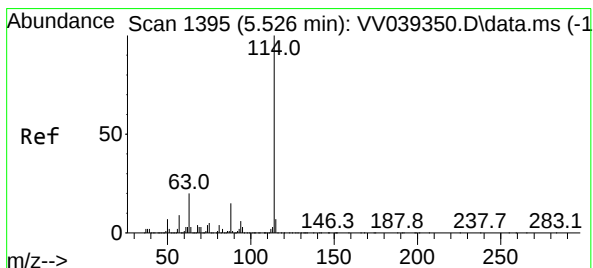
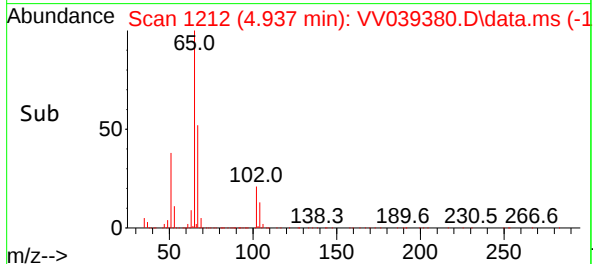
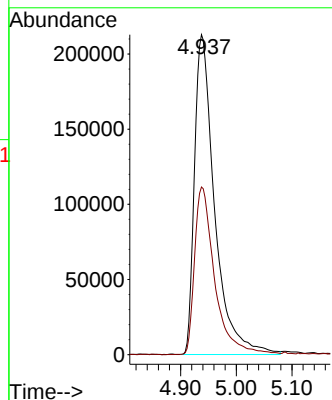
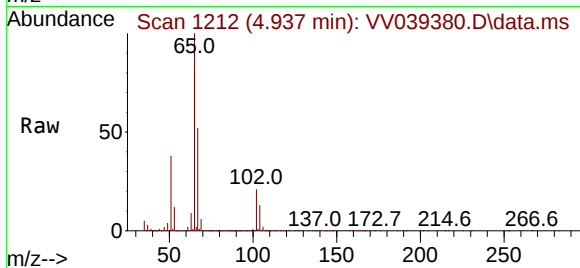
MDL-WATER-03-QT4-2025

Tgt Ion: 65 Resp: 535220

Ion Ratio Lower Upper

65 100

67 52.6 0.0 105.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.529 min Scan# 1396

Delta R.T. 0.003 min

Lab File: VV039380.D

Acq: 13 Nov 2025 14:11

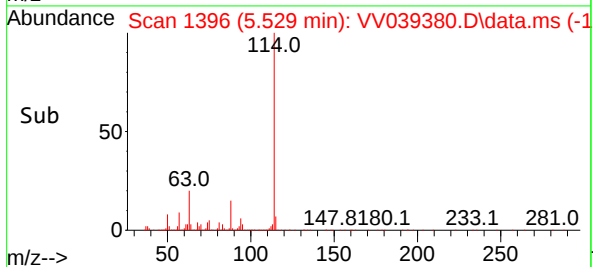
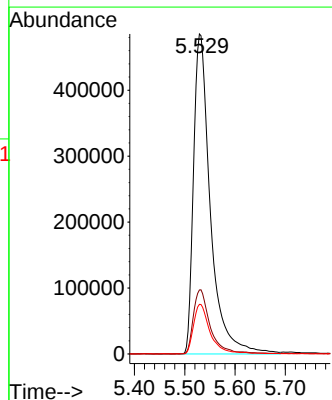
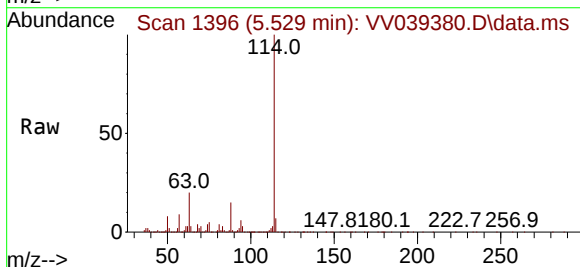
Tgt Ion: 114 Resp: 1130151

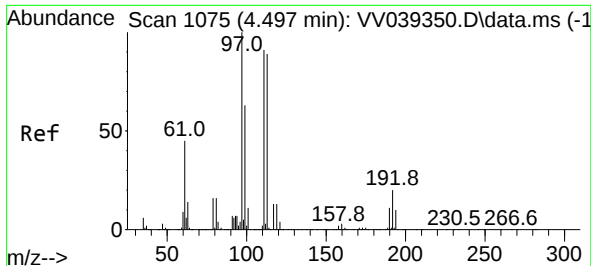
Ion Ratio Lower Upper

114 100

63 20.0 0.0 39.6

88 15.5 0.0 30.2

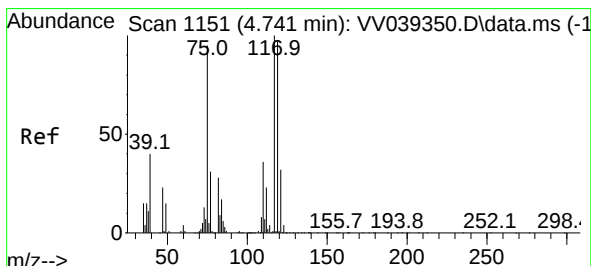
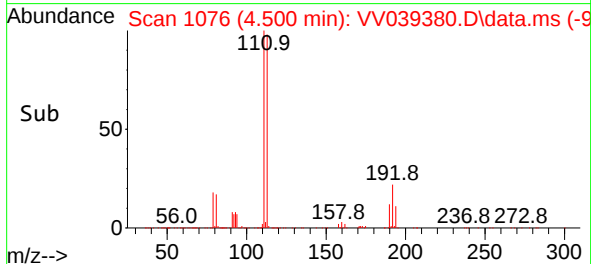
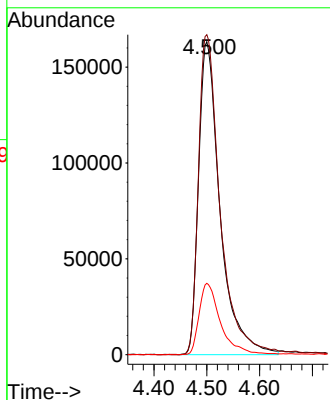
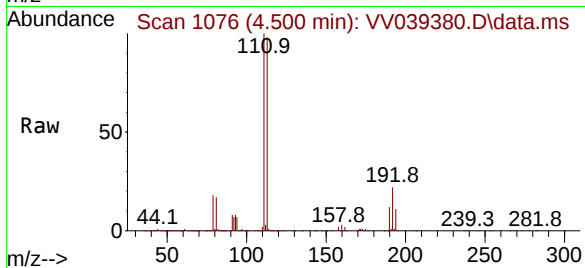




#35
Dibromofluoromethane
Concen: 53.089 ug/l
RT: 4.500 min Scan# 1106
Delta R.T. 0.003 min
Lab File: VV039380.D
Acq: 13 Nov 2025 14:11

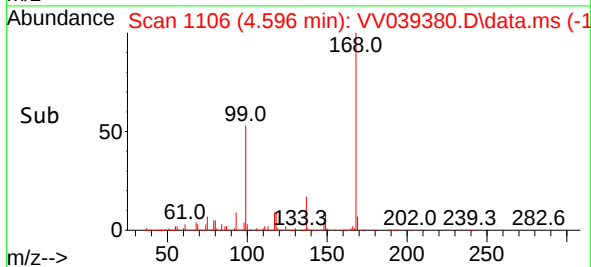
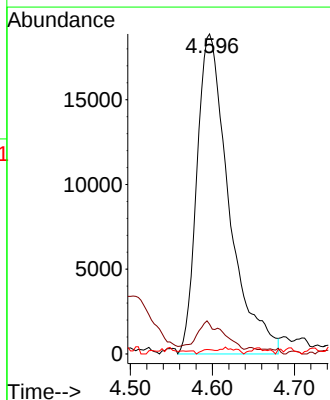
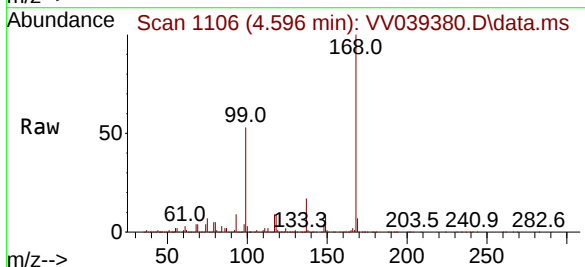
Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-03-QT4-2025

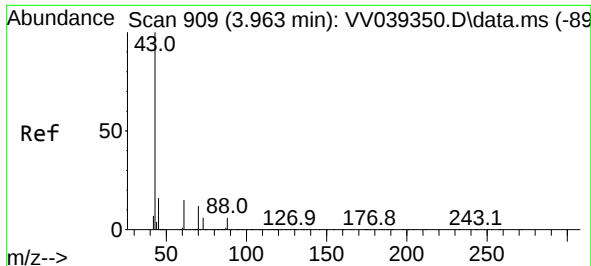
Tgt Ion:113 Resp: 460185
Ion Ratio Lower Upper
113 100
111 103.4 82.6 124.0
192 22.8 17.8 26.8



#36
1,1-Dichloropropene
Concen: 6.858 ug/l
RT: 4.596 min Scan# 1106
Delta R.T. -0.145 min
Lab File: VV039380.D
Acq: 13 Nov 2025 14:11

Tgt Ion: 75 Resp: 51201
Ion Ratio Lower Upper
75 100
110 7.2 18.1 54.4#
77 0.6 24.0 36.0#

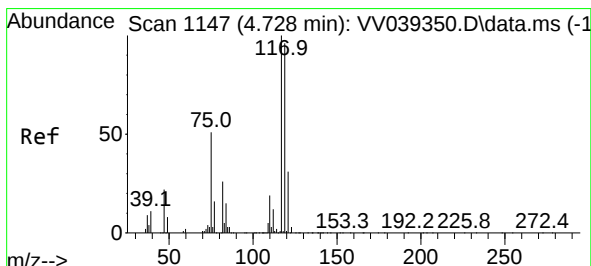
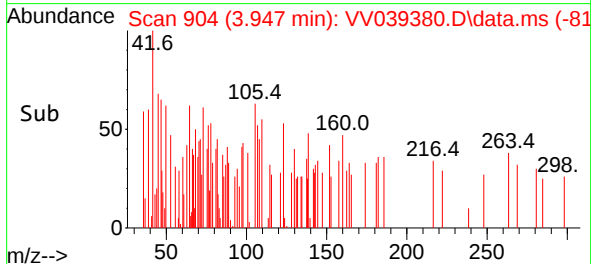
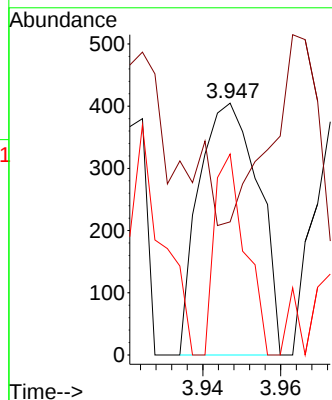
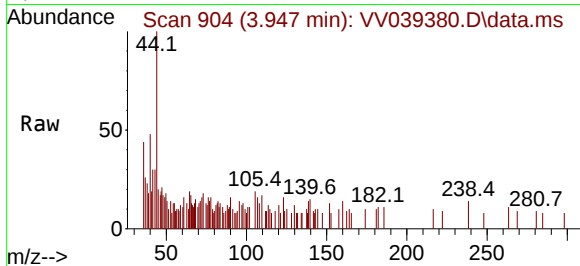




#37
Ethyl Acetate
Concen: 0.037 ug/l
RT: 3.947 min Scan# 909
Delta R.T. -0.016 min
Lab File: VV039380.D
Acq: 13 Nov 2025 14:11

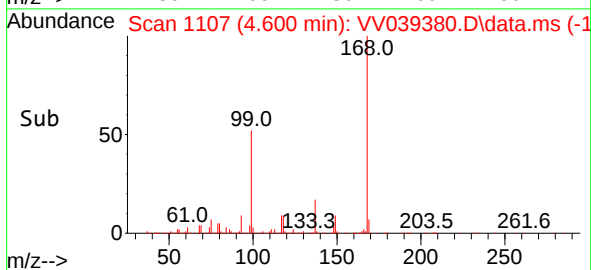
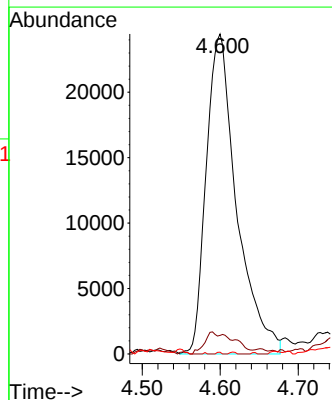
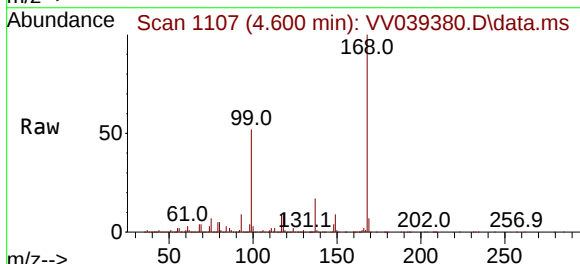
Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-03-QT4-2025

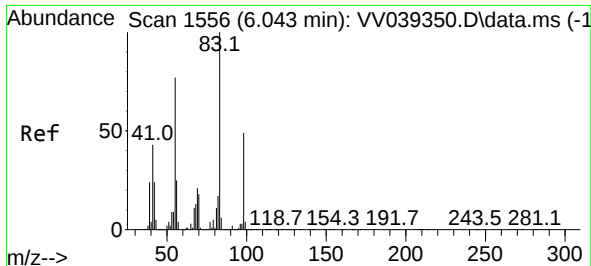
Tgt Ion: 43 Resp: 430
Ion Ratio Lower Upper
43 100
61 0.0 9.3 13.9#
70 41.4 7.0 10.4#



#38
Carbon Tetrachloride
Concen: 5.979 ug/l
RT: 4.600 min Scan# 1107
Delta R.T. -0.129 min
Lab File: VV039380.D
Acq: 13 Nov 2025 14:11

Tgt Ion: 117 Resp: 66312
Ion Ratio Lower Upper
117 100
119 5.3 76.1 114.1#
121 0.0 25.0 37.4#

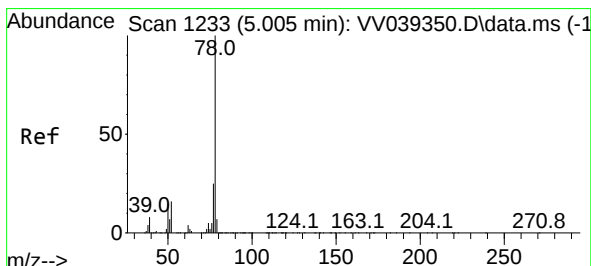
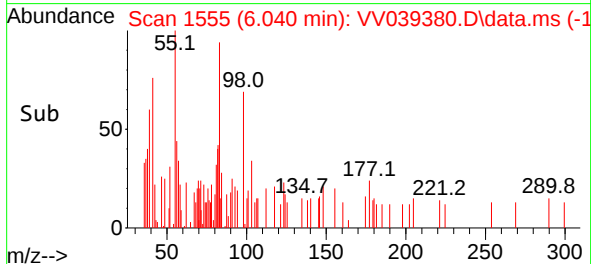
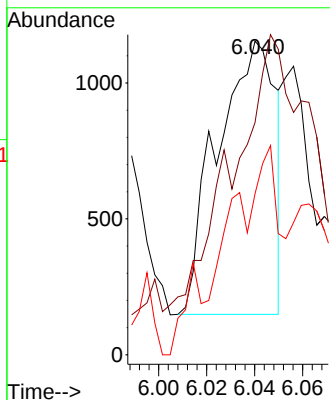
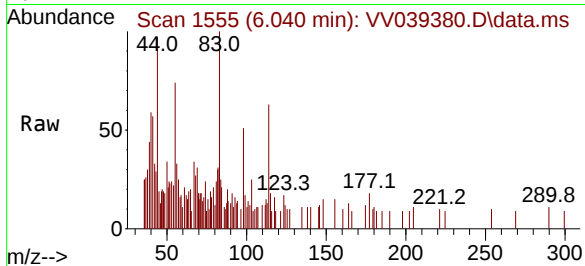




#39
Methylcyclohexane
Concen: 0.213 ug/l
RT: 6.040 min Scan# 11
Delta R.T. -0.003 min
Lab File: VV039380.D
Acq: 13 Nov 2025 14:11

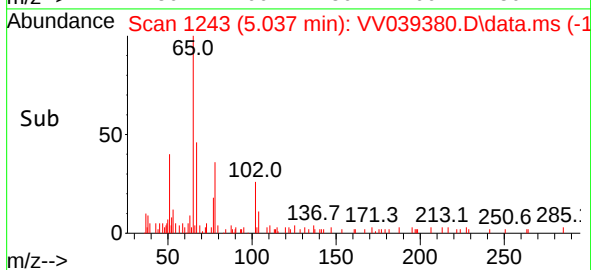
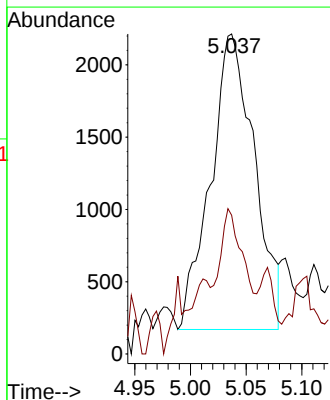
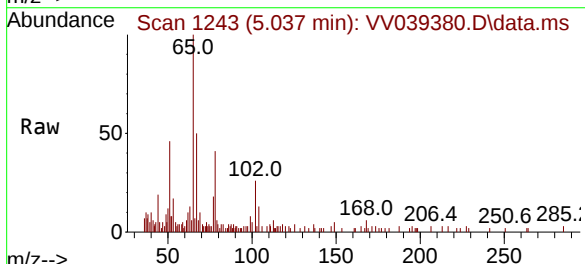
Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-03-QT4-2025

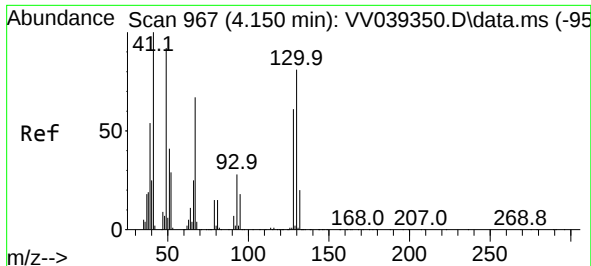
Tgt Ion: 83	Resp: 1692
Ion Ratio	Lower Upper
83 100	
55 63.8	61.3 91.9
98 45.6	39.0 58.6



#40
Benzene
Concen: 0.215 ug/l
RT: 5.037 min Scan# 1243
Delta R.T. 0.032 min
Lab File: VV039380.D
Acq: 13 Nov 2025 14:11

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

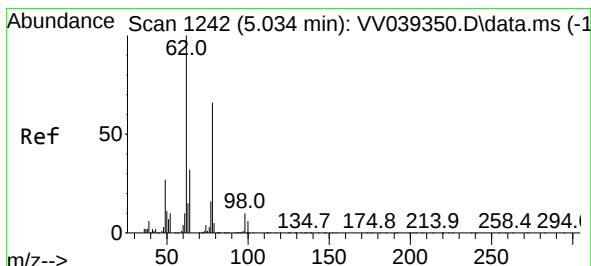
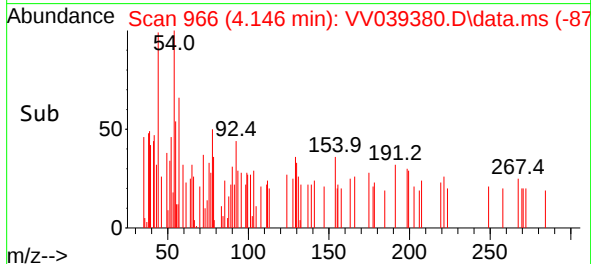
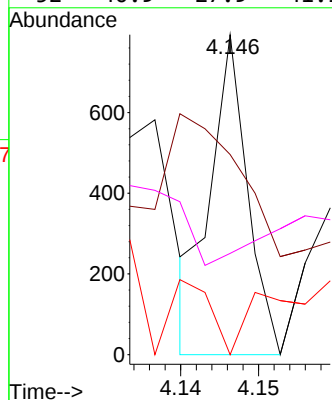
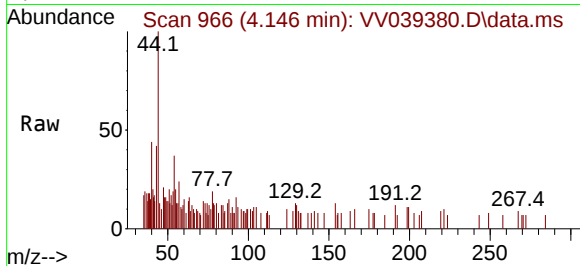




#41
Methacrylonitrile
Concen: 0.063 ug/l
RT: 4.146 min Scan# 91
Delta R.T. -0.003 min
Lab File: VV039380.D
Acq: 13 Nov 2025 14:11

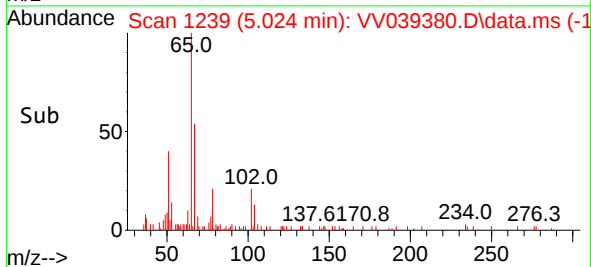
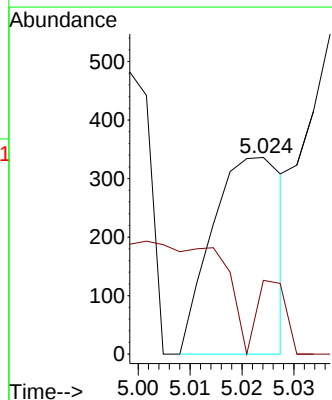
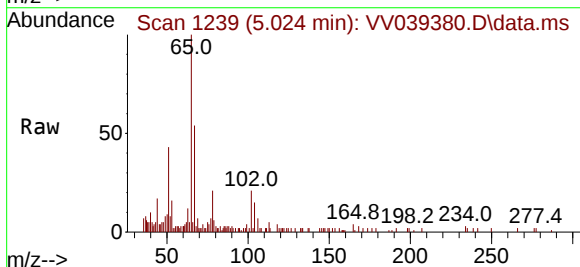
Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-03-QT4-2025

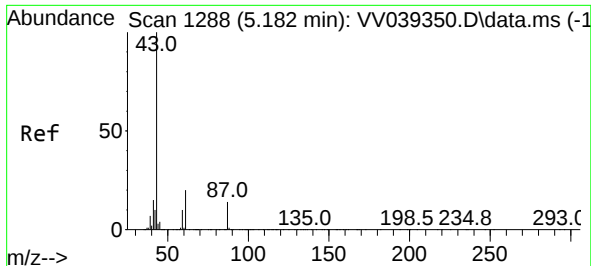
Tgt Ion:	41	Resp:	257
Ion	Ratio	Lower	Upper
41	100		
39	0.0	44.3	66.5#
67	0.0	71.4	107.2#
52	40.9	27.9	41.9



#42
1,2-Dichloroethane
Concen: 0.031 ug/l
RT: 5.024 min Scan# 1239
Delta R.T. -0.010 min
Lab File: VV039380.D
Acq: 13 Nov 2025 14:11

Tgt Ion:	62	Resp:	315
Ion	Ratio	Lower	Upper
62	100		
98	0.0	0.0	18.6





#43

Isopropyl Acetate

Concen: 0.002 ug/l

RT: 5.188 min Scan# 11

Delta R.T. 0.006 min

Lab File: VV039380.D

Acq: 13 Nov 2025 14:11

Instrument :

MSVOA_V

ClientSampleId :

MDL-WATER-03-QT4-2025

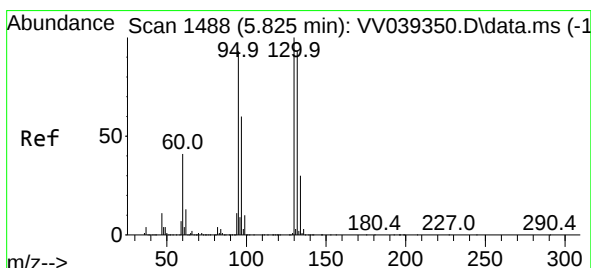
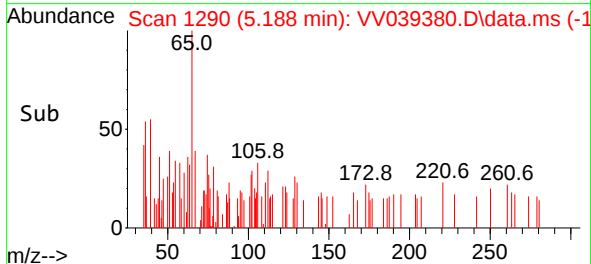
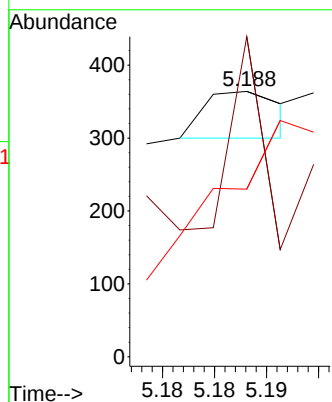
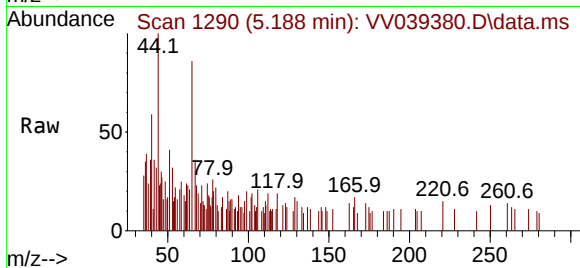
Tgt Ion: 43 Resp: 33

Ion Ratio Lower Upper

43 100

61 0.0 15.7 23.5#

87 575.8 11.1 16.7#



#44

Trichloroethene

Concen: 0.327 ug/l

RT: 5.854 min Scan# 1497

Delta R.T. 0.029 min

Lab File: VV039380.D

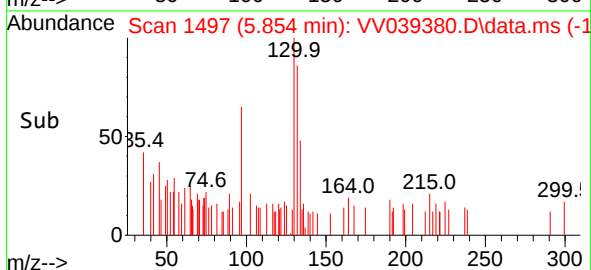
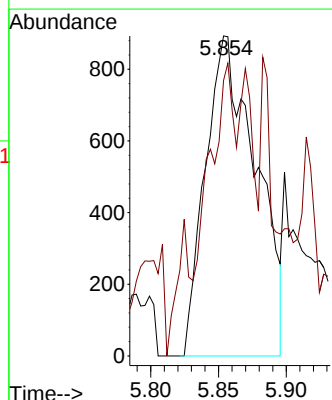
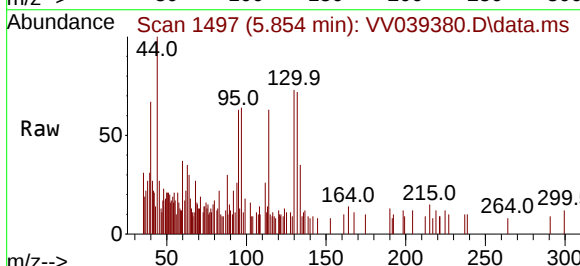
Acq: 13 Nov 2025 14:11

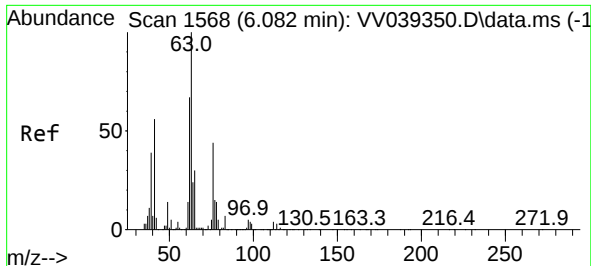
Tgt Ion:130 Resp: 2315

Ion Ratio Lower Upper

130 100

95 48.0 0.0 186.8





#45

1,2-Dichloropropane

Concen: 0.081 ug/l

RT: 6.101 min Scan# 1

Delta R.T. 0.019 min

Lab File: VV039380.D

Acq: 13 Nov 2025 14:11

Instrument :

MSVOA_V

ClientSampleId :

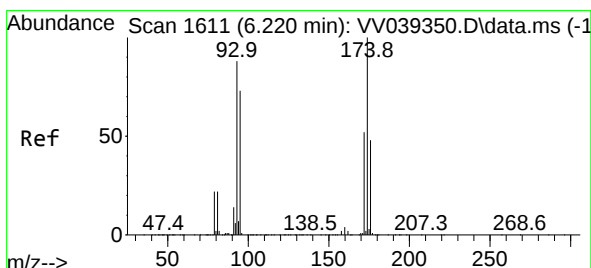
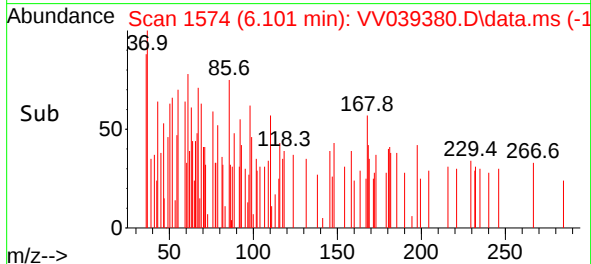
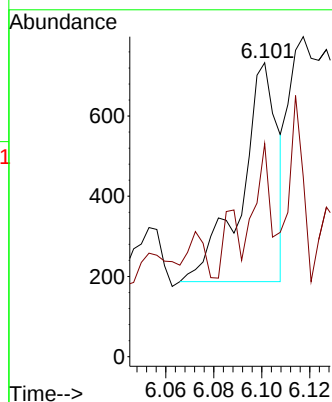
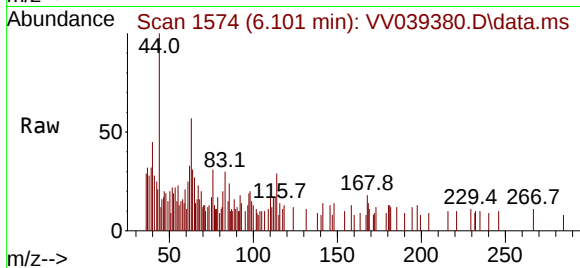
MDL-WATER-03-QT4-2025

Tgt Ion: 63 Resp: 573

Ion Ratio Lower Upper

63 100

65 55.5 23.9 35.9#



#46

Dibromomethane

Concen: 0.032 ug/l

RT: 6.223 min Scan# 1612

Delta R.T. 0.003 min

Lab File: VV039380.D

Acq: 13 Nov 2025 14:11

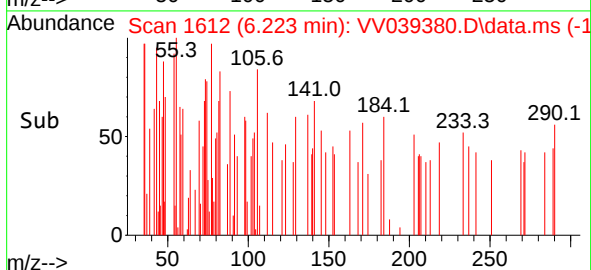
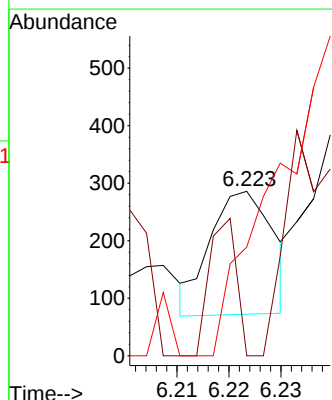
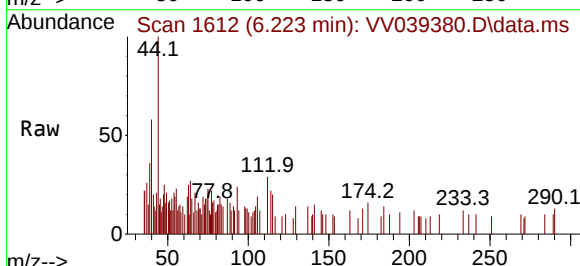
Tgt Ion: 93 Resp: 179

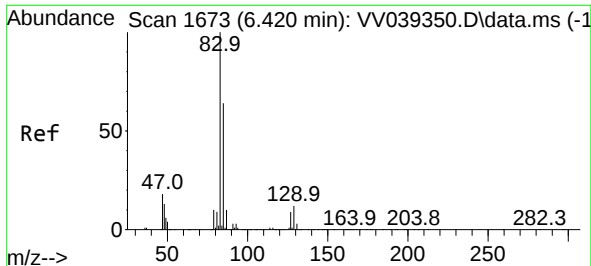
Ion Ratio Lower Upper

93 100

95 48.0 65.9 98.9#

174 0.0 91.4 137.0#

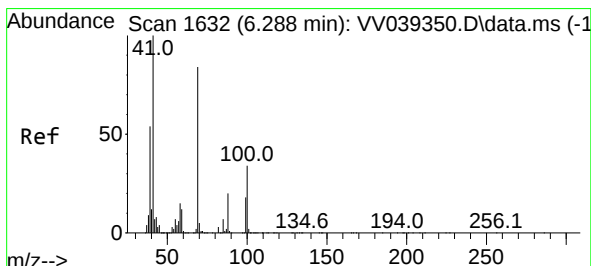
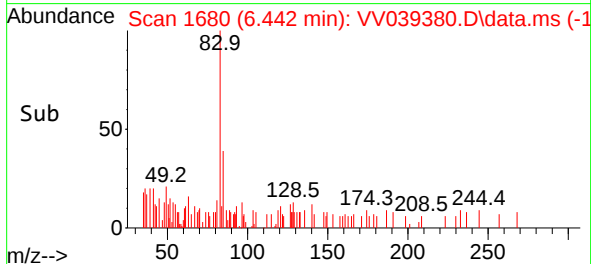
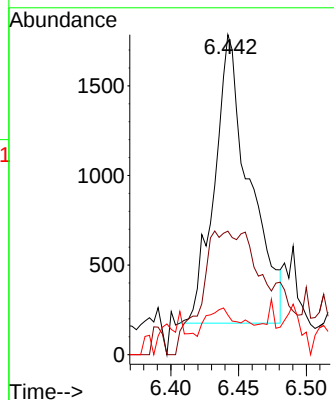
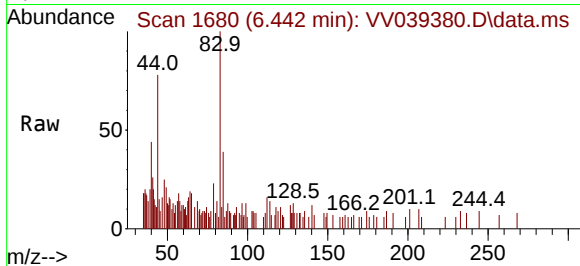




#47
Bromodichloromethane
Concen: 0.236 ug/l
RT: 6.442 min Scan# 1
Delta R.T. 0.023 min
Lab File: VV039380.D
Acq: 13 Nov 2025 14:11

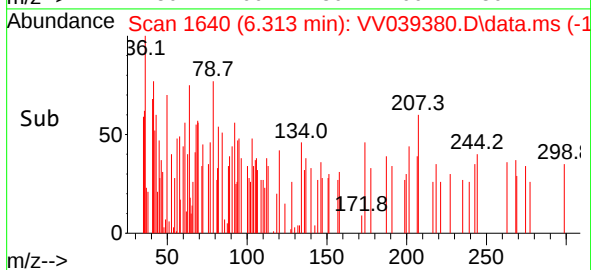
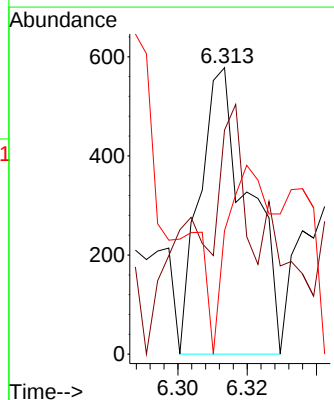
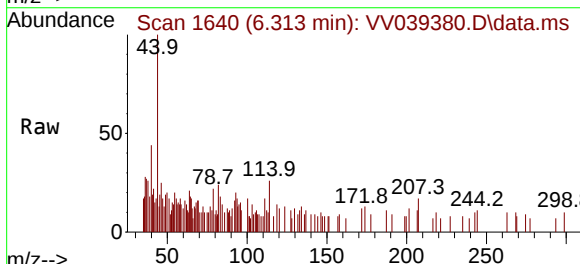
Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-03-QT4-2025

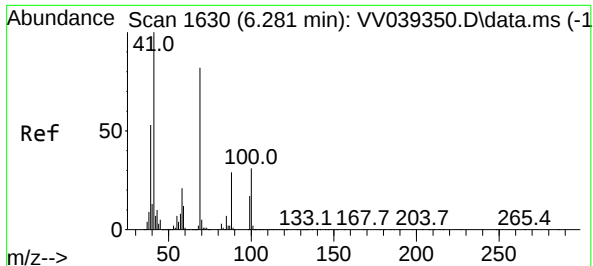
Tgt Ion: 83 Resp: 2904
Ion Ratio Lower Upper
83 100
85 25.6 51.0 76.4#
127 13.0 7.3 10.9#



#48
Methyl methacrylate
Concen: 0.080 ug/l
RT: 6.313 min Scan# 1640
Delta R.T. 0.026 min
Lab File: VV039380.D
Acq: 13 Nov 2025 14:11

Tgt Ion: 41 Resp: 569
Ion Ratio Lower Upper
41 100
69 90.5 69.1 103.7
39 53.8 42.8 64.2





#49

1,4-Dioxane

Concen: 3.047 ug/l

RT: 6.275 min Scan# 1

Delta R.T. -0.006 min

Lab File: VV039380.D

Acq: 13 Nov 2025 14:11

Instrument :

MSVOA_V

ClientSampleId :

MDL-WATER-03-QT4-2025

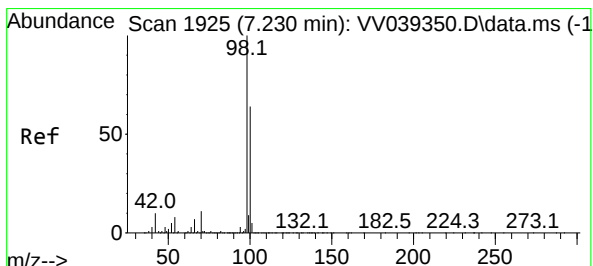
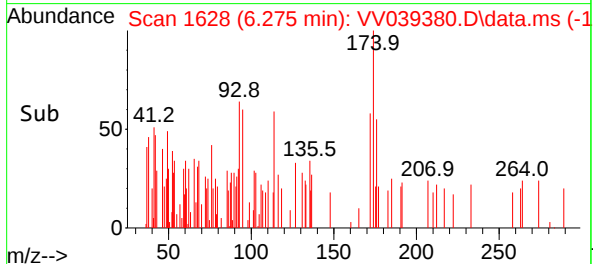
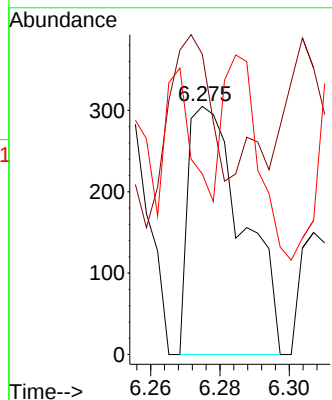
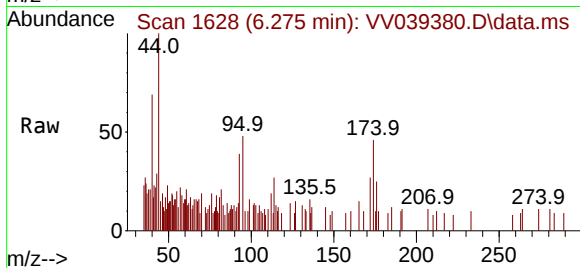
Tgt Ion: 88 Resp: 334

Ion Ratio Lower Upper

88 100

43 78.4 26.6 40.0#

58 38.3 55.4 83.0#



#50

Toluene-d8

Concen: 46.720 ug/l

RT: 7.233 min Scan# 1926

Delta R.T. 0.003 min

Lab File: VV039380.D

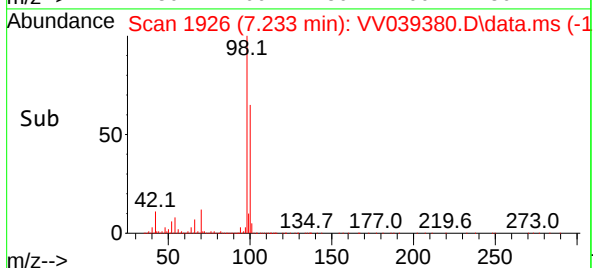
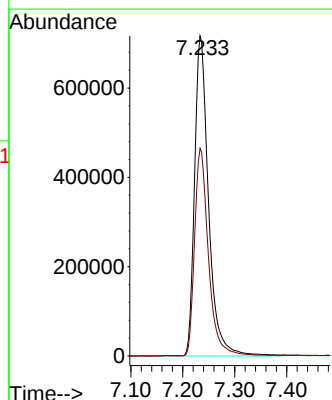
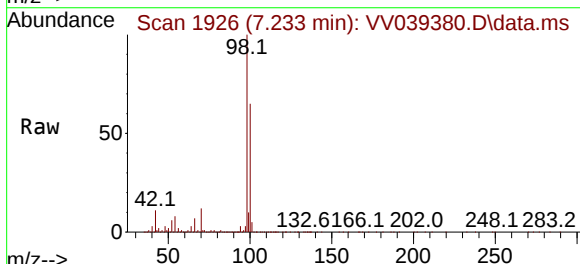
Acq: 13 Nov 2025 14:11

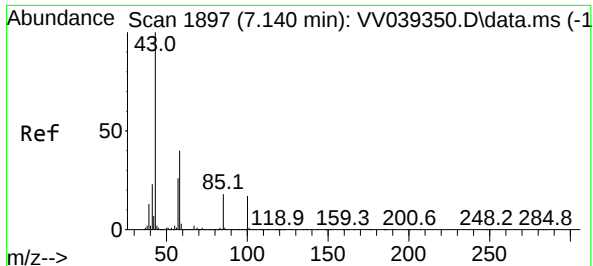
Tgt Ion: 98 Resp: 1338273

Ion Ratio Lower Upper

98 100

100 64.2 52.8 79.2

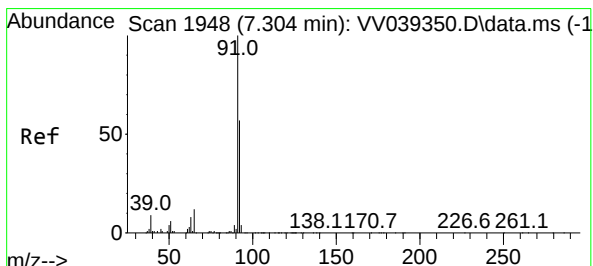
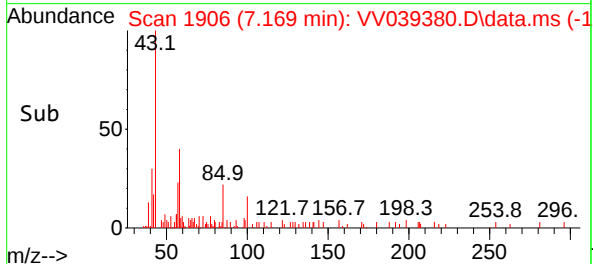
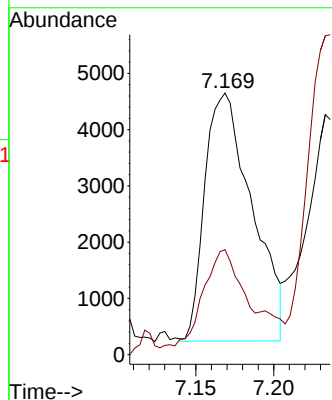
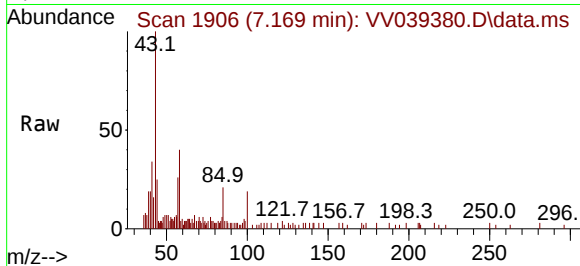




#51
4-Methyl-2-Pentanone
Concen: 0.888 ug/l
RT: 7.169 min Scan# 1906
Delta R.T. 0.029 min
Lab File: VV039380.D
Acq: 13 Nov 2025 14:11

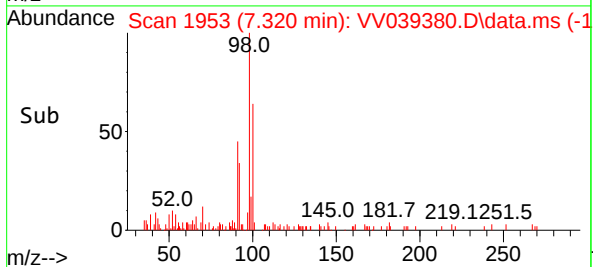
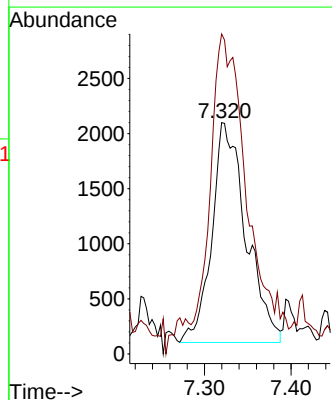
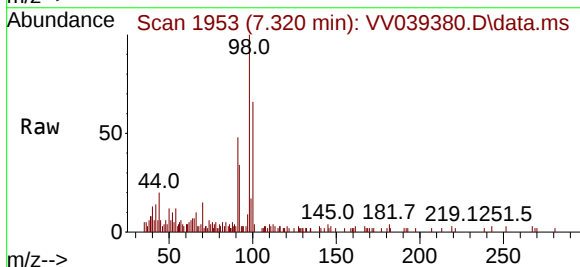
Instrument : MSVOA_V
ClientSampleId : MDL-WATER-03-QT4-2025

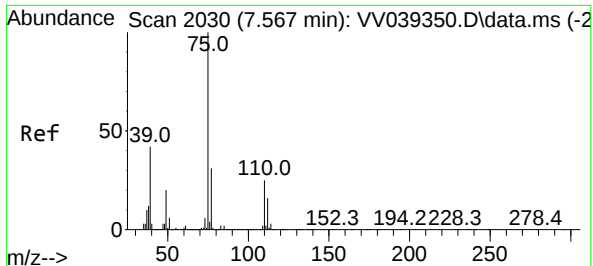
Tgt Ion: 43 Resp: 9277
Ion Ratio Lower Upper
43 100
58 37.3 31.8 47.6



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

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

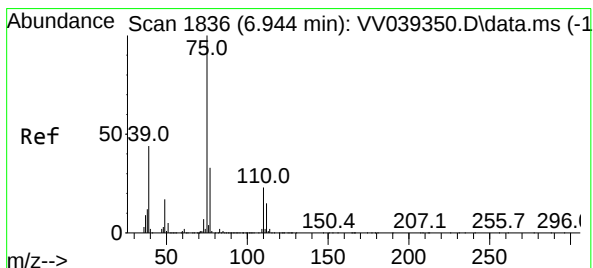
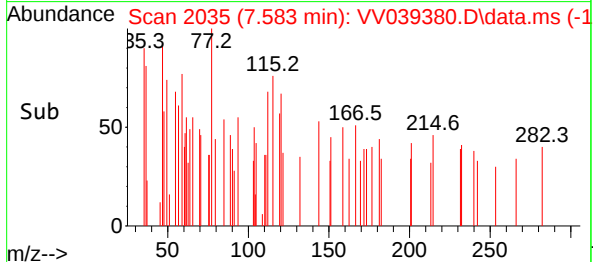
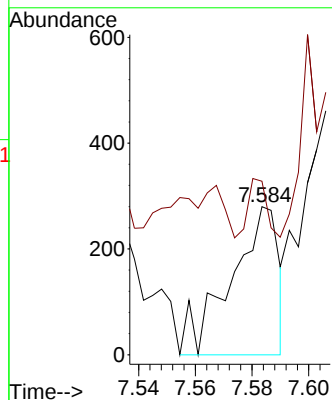
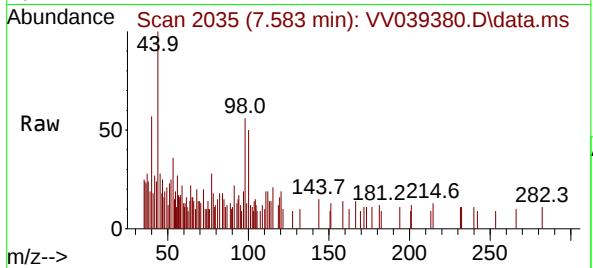




#53
 t-1,3-Dichloropropene
 Concen: 0.031 ug/l
 RT: 7.583 min Scan# 2035
 Delta R.T. 0.016 min
 Lab File: VV039380.D
 Acq: 13 Nov 2025 14:11

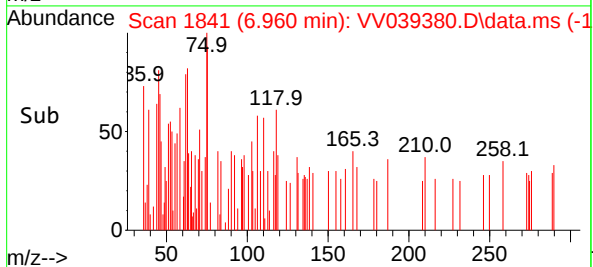
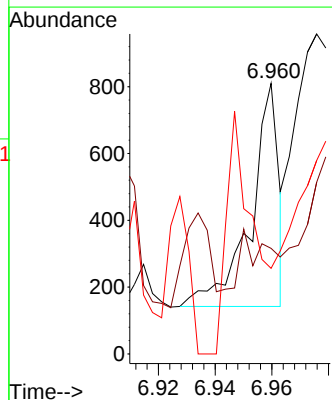
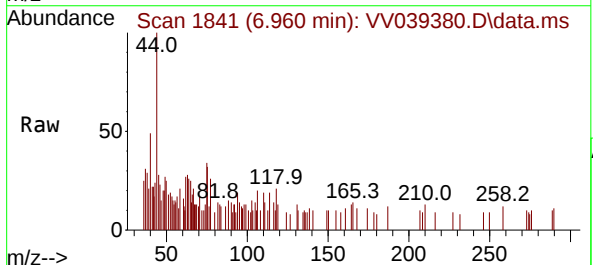
Instrument :
 MSVOA_V
 ClientSampleId :
 MDL-WATER-03-QT4-2025

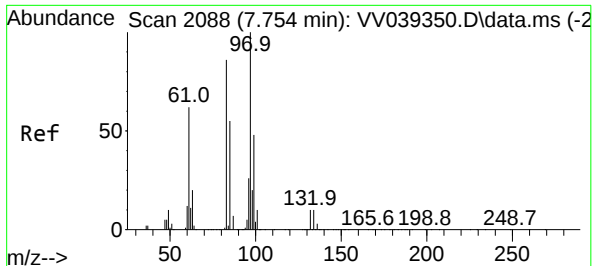
Tgt Ion: 75 Resp: 327
 Ion Ratio Lower Upper
 75 100
 77 37.9 24.5 36.7#



#54
 cis-1,3-Dichloropropene
 Concen: 0.041 ug/l
 RT: 6.960 min Scan# 1841
 Delta R.T. 0.016 min
 Lab File: VV039380.D
 Acq: 13 Nov 2025 14:11

Tgt Ion: 75 Resp: 459
 Ion Ratio Lower Upper
 75 100
 77 7.8 26.3 39.5#
 39 0.0 35.5 53.3#

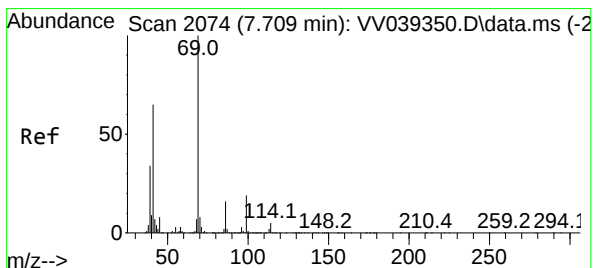
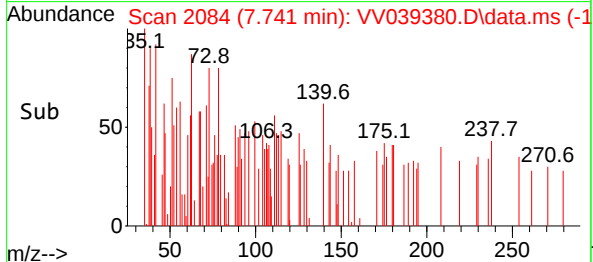
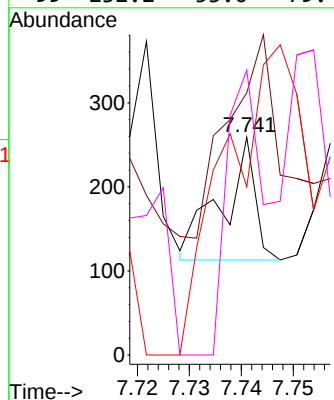
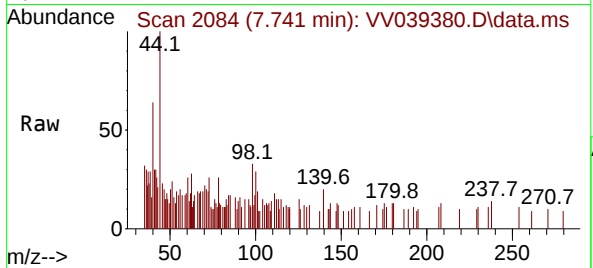




#55
 1,1,2-Trichloroethane
 Concen: 0.008 ug/l
 RT: 7.741 min Scan# 2088
 Delta R.T. -0.013 min
 Lab File: VV039380.D
 Acq: 13 Nov 2025 14:11

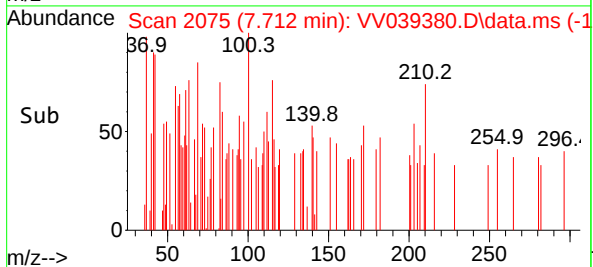
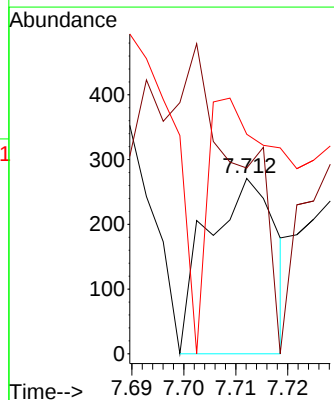
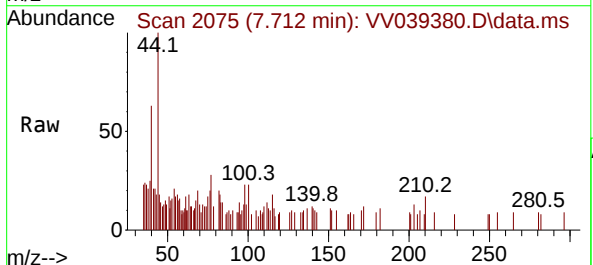
Instrument : MSVOA_V
 ClientSampleId : MDL-WATER-03-QT4-2025

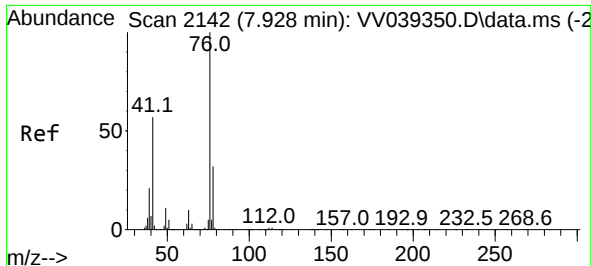
Tgt Ion:	97	Resp:	64
Ion	Ratio	Lower	Upper
97	100		
83	117.1	68.8	103.2#
85	137.0	45.2	67.8#
99	232.2	53.0	79.4#



#56
 Ethyl methacrylate
 Concen: 0.025 ug/l
 RT: 7.712 min Scan# 2075
 Delta R.T. 0.003 min
 Lab File: VV039380.D
 Acq: 13 Nov 2025 14:11

Tgt Ion:	69	Resp:	248
Ion	Ratio	Lower	Upper
69	100		
41	0.0	52.5	78.7#
39	159.3	26.7	40.1#

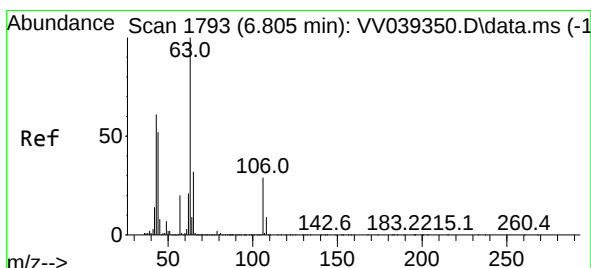
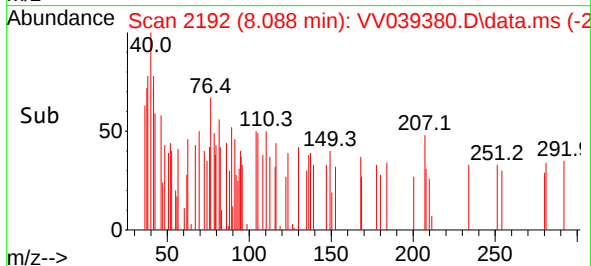
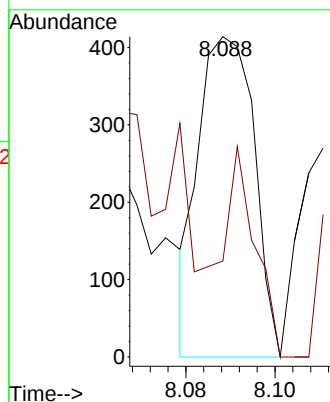
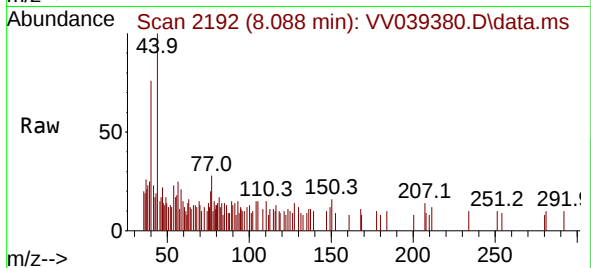




#57
1,3-Dichloropropane
Concen: 0.028 ug/l
RT: 8.088 min Scan# 2142
Delta R.T. 0.161 min
Lab File: VV039380.D
Acq: 13 Nov 2025 14:11

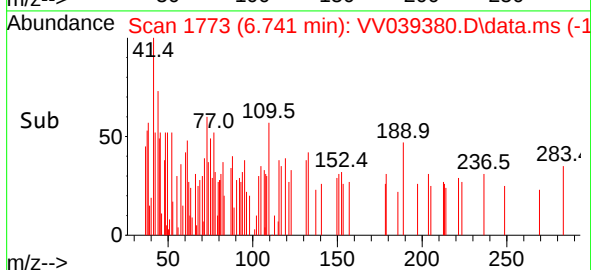
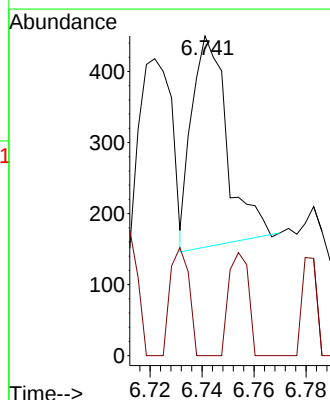
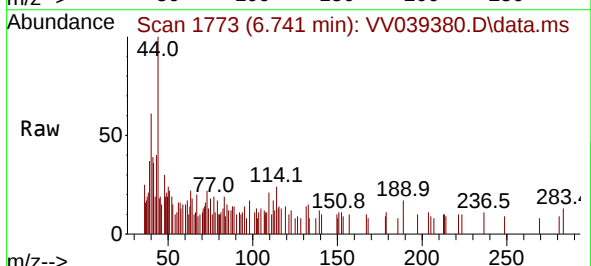
Instrument : MSVOA_V
ClientSampleId : MDL-WATER-03-QT4-2025

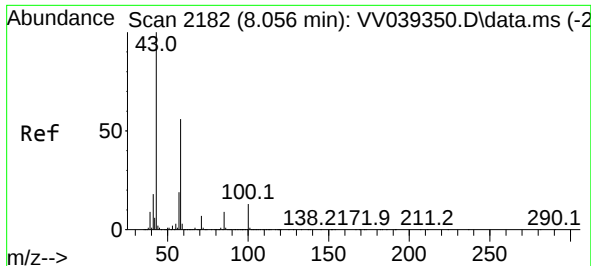
Tgt Ion: 76 Resp: 358
Ion Ratio Lower Upper
76 100
78 35.5 25.6 38.4



#58
2-Chloroethyl Vinyl ether
Concen: 0.099 ug/l
RT: 6.741 min Scan# 1773
Delta R.T. -0.064 min
Lab File: VV039380.D
Acq: 13 Nov 2025 14:11

Tgt Ion: 63 Resp: 281
Ion Ratio Lower Upper
63 100
106 27.0 23.3 34.9





#59

2-Hexanone

Concen: 0.036 ug/l

RT: 7.979 min Scan# 2182

Delta R.T. -0.077 min

Lab File: VV039380.D

Acq: 13 Nov 2025 14:11

Instrument :

MSVOA_V

ClientSampleId :

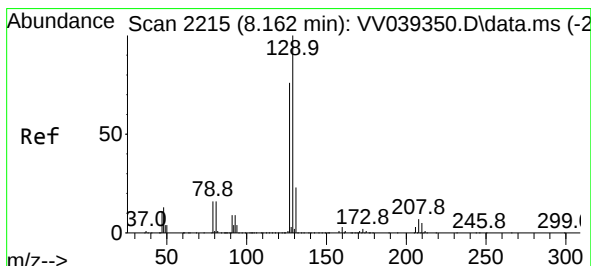
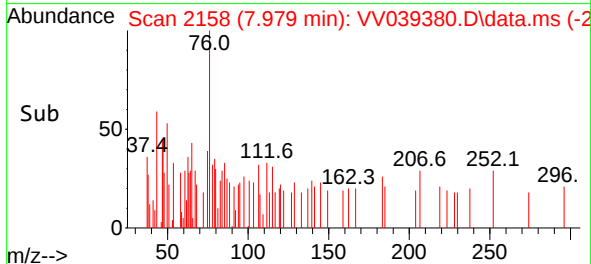
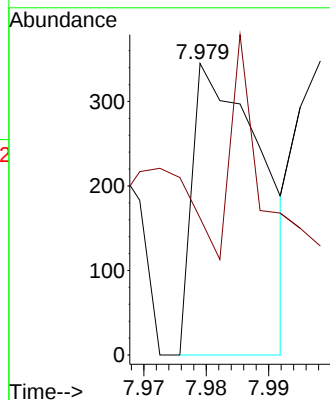
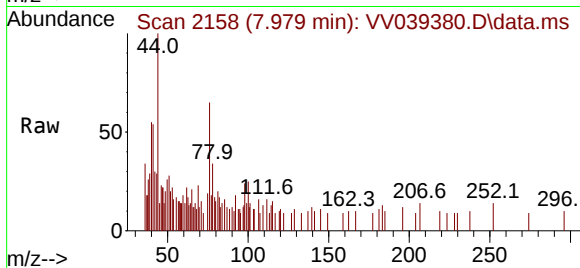
MDL-WATER-03-QT4-2025

Tgt Ion: 43 Resp: 265

Ion Ratio Lower Upper

43 100

58 32.5 27.7 83.1



#60

Dibromochloromethane

Concen: 0.356 ug/l

RT: 8.175 min Scan# 2219

Delta R.T. 0.013 min

Lab File: VV039380.D

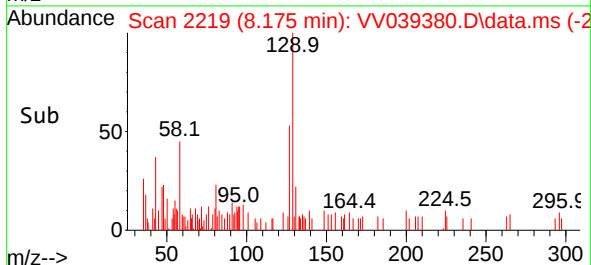
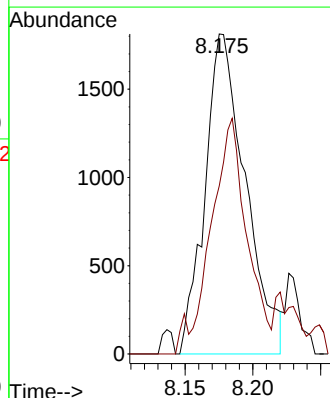
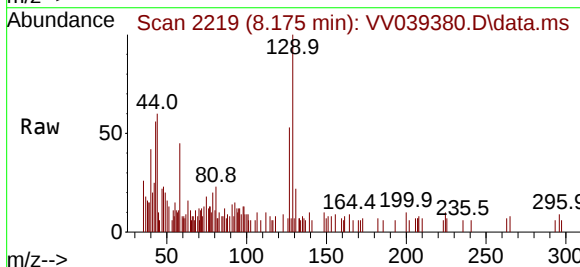
Acq: 13 Nov 2025 14:11

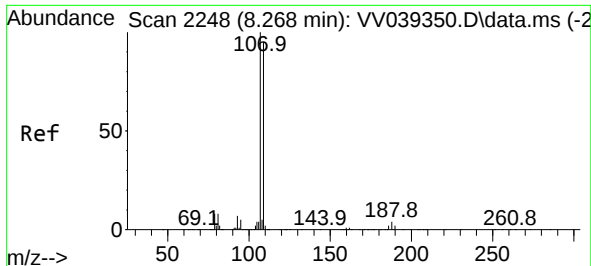
Tgt Ion: 129 Resp: 3776

Ion Ratio Lower Upper

129 100

127 63.0 38.6 115.7

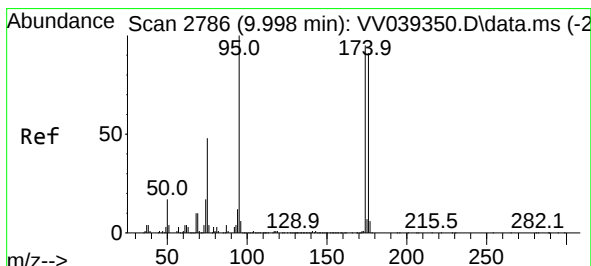
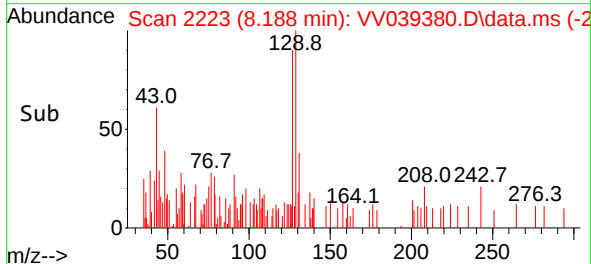
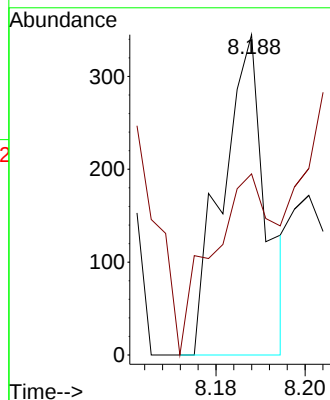
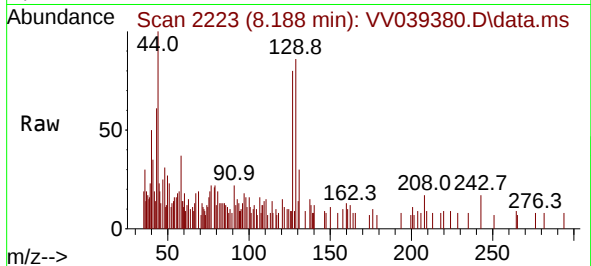




#61
1,2-Dibromoethane
Concen: 0.029 ug/l
RT: 8.188 min Scan# 211
Delta R.T. -0.080 min
Lab File: VV039380.D
Acq: 13 Nov 2025 14:11

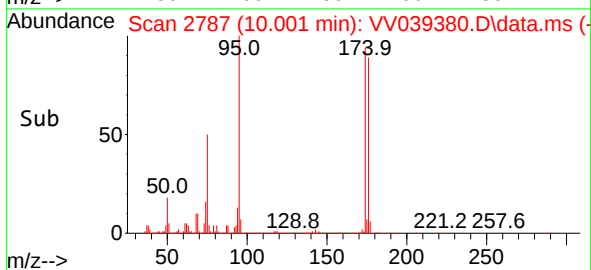
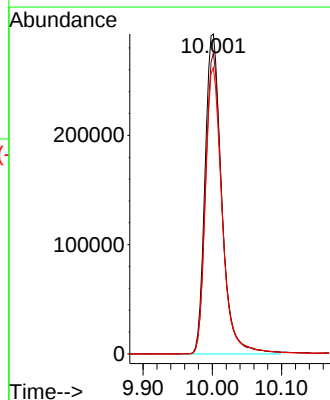
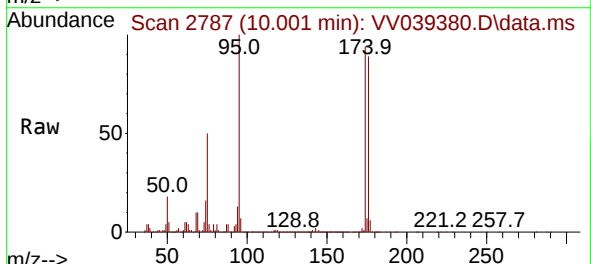
Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-03-QT4-2025

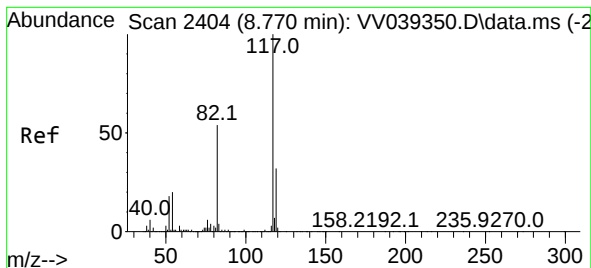
Tgt Ion:107 Resp: 233
Ion Ratio Lower Upper
107 100
109 82.0 75.8 113.8



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

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





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 8.773 min Scan# 2404

Delta R.T. 0.003 min

Lab File: VV039380.D

Acq: 13 Nov 2025 14:11

Instrument :

MSVOA_V

ClientSampleId :

MDL-WATER-03-QT4-2025

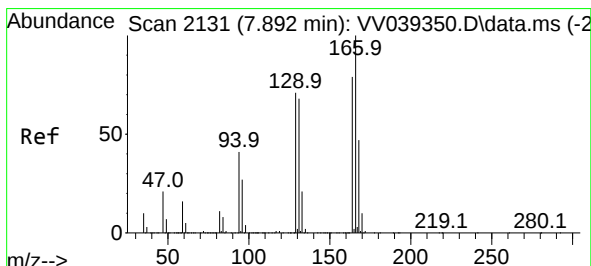
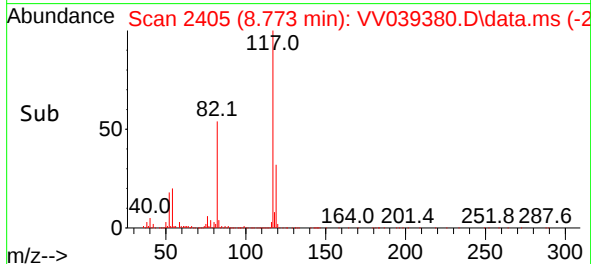
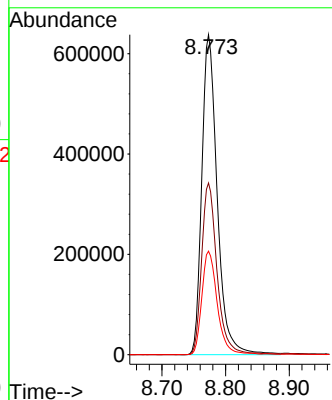
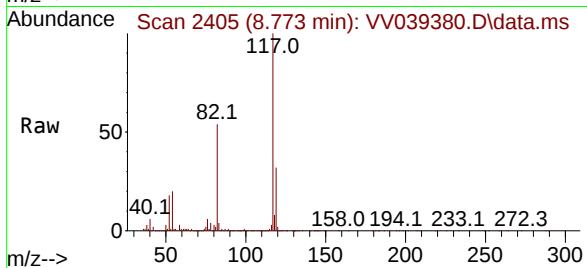
Tgt Ion:117 Resp: 1073700

Ion Ratio Lower Upper

117 100

82 53.6 42.9 64.3

119 32.3 25.5 38.3



#64

Tetrachloroethene

Concen: 0.315 ug/l

RT: 7.908 min Scan# 2136

Delta R.T. 0.016 min

Lab File: VV039380.D

Acq: 13 Nov 2025 14:11

Tgt Ion:164 Resp: 2091

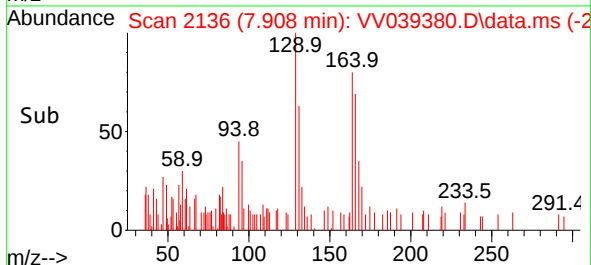
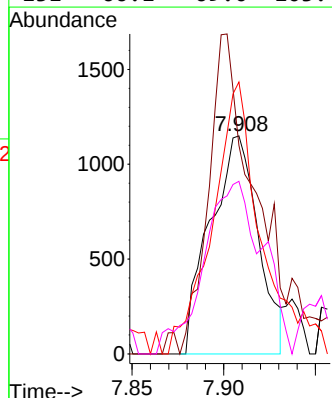
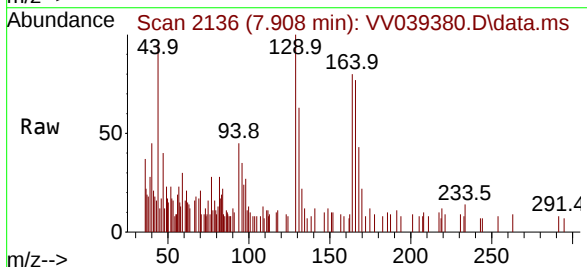
Ion Ratio Lower Upper

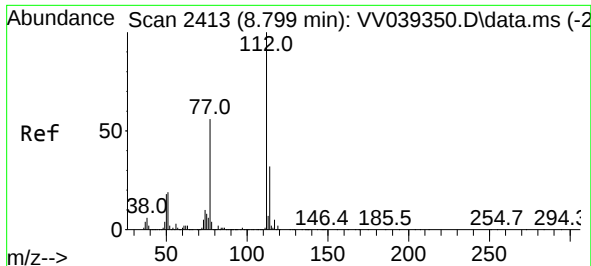
164 100

166 95.7 101.9 152.9#

129 112.4 71.8 107.8#

131 66.1 69.0 103.4#

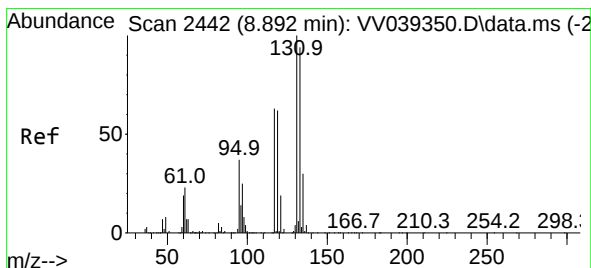
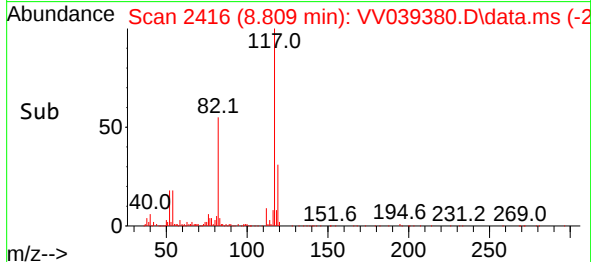
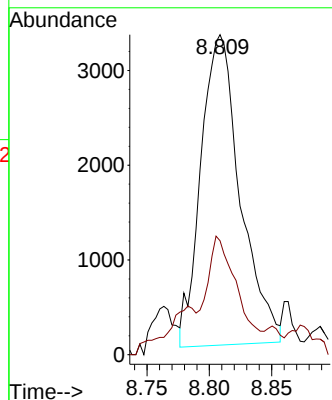
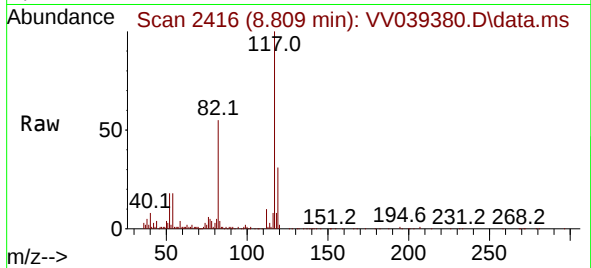




#65
Chlorobenzene
Concen: 0.337 ug/l
RT: 8.809 min Scan# 2416
Delta R.T. 0.010 min
Lab File: VV039380.D
Acq: 13 Nov 2025 14:11

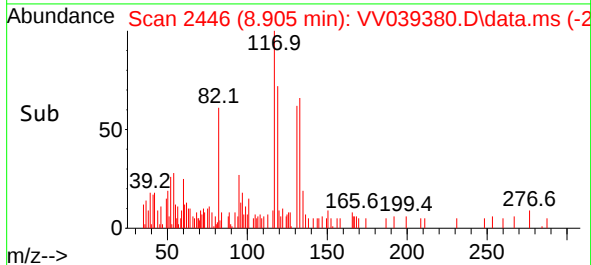
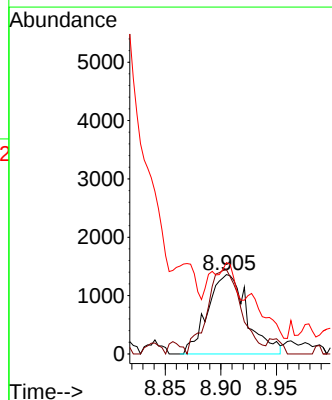
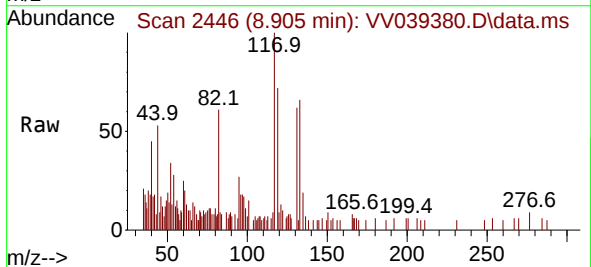
Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-03-QT4-2025

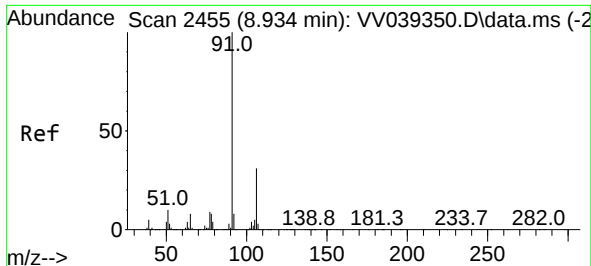
Tgt Ion:112 Resp: 7203
Ion Ratio Lower Upper
112 100
114 32.2 25.7 38.5



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

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





#67

Ethyl Benzene

Concen: 0.248 ug/l

RT: 8.950 min Scan# 2455

Delta R.T. 0.016 min

Lab File: VV039380.D

Acq: 13 Nov 2025 14:11

Instrument :

MSVOA_V

ClientSampleId :

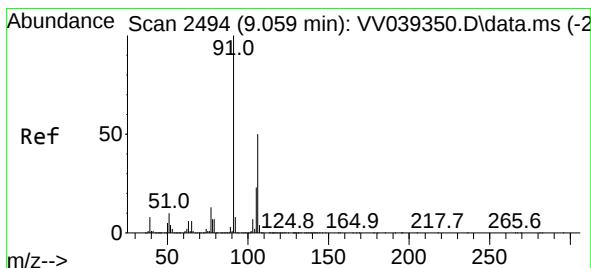
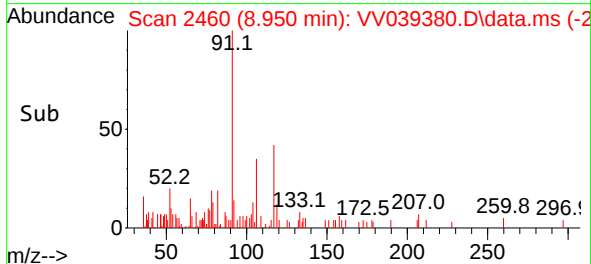
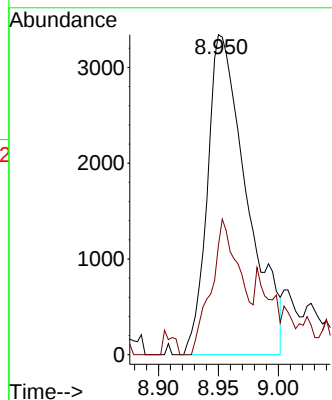
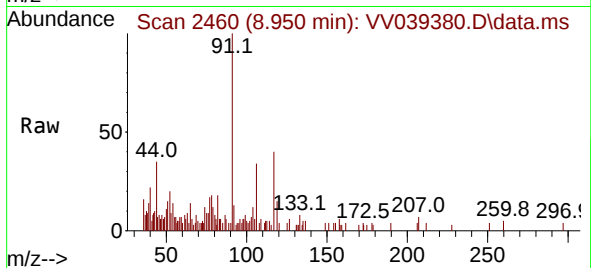
MDL-WATER-03-QT4-2025

Tgt Ion: 91 Resp: 7663

Ion Ratio Lower Upper

91 100

106 34.2 24.9 37.3



#68

m/p-Xylenes

Concen: 0.464 ug/l

RT: 9.079 min Scan# 2500

Delta R.T. 0.019 min

Lab File: VV039380.D

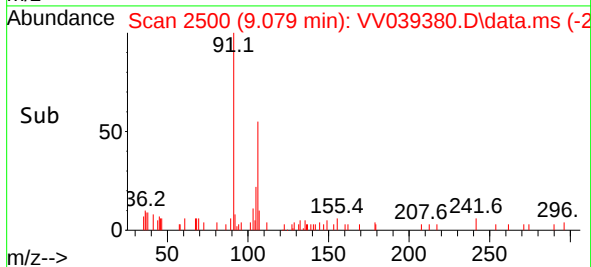
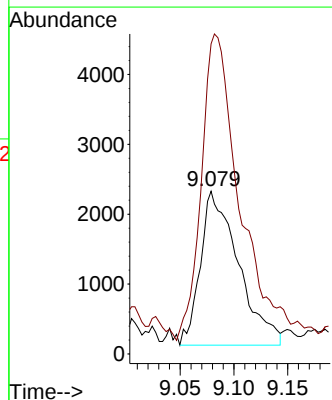
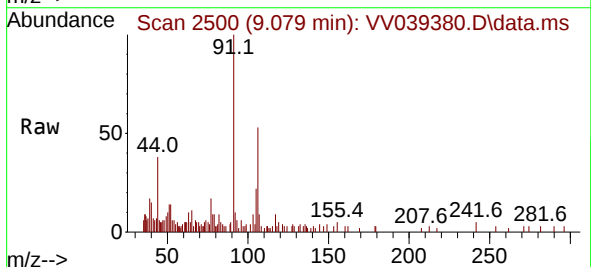
Acq: 13 Nov 2025 14:11

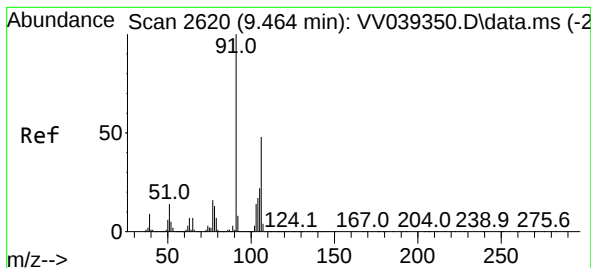
Tgt Ion: 106 Resp: 5423

Ion Ratio Lower Upper

106 100

91 204.8 161.5 242.3





#69

o-Xylene

Concen: 0.236 ug/l

RT: 9.481 min Scan# 2

Delta R.T. 0.016 min

Lab File: VV039380.D

Acq: 13 Nov 2025 14:11

Instrument :

MSVOA_V

ClientSampleId :

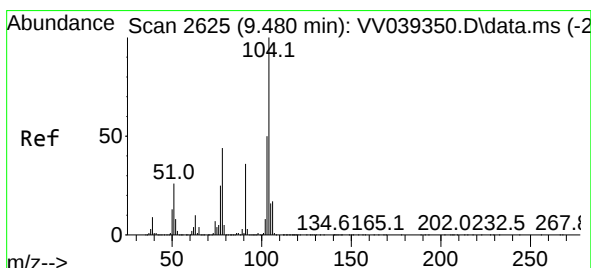
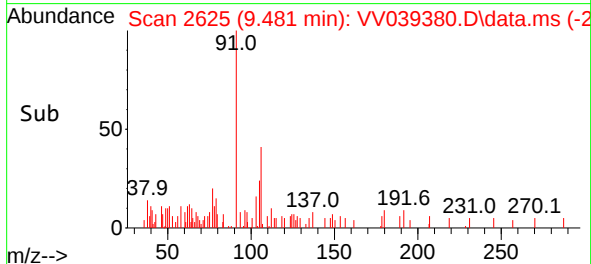
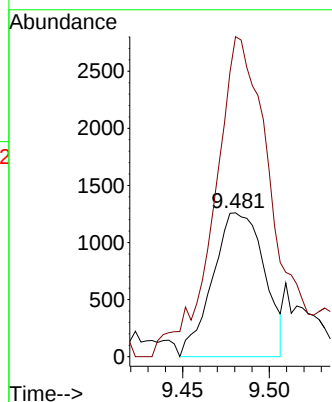
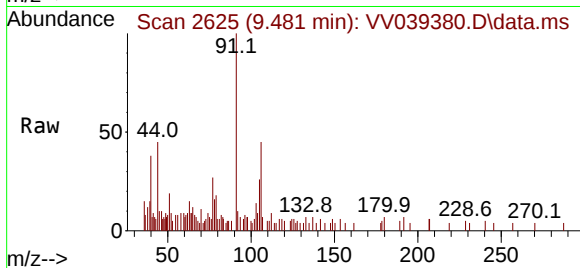
MDL-WATER-03-QT4-2025

Tgt Ion:106 Resp: 2606

Ion Ratio Lower Upper

106 100

91 245.0 105.9 317.7



#70

Styrene

Concen: 0.019 ug/l

RT: 9.249 min Scan# 2553

Delta R.T. -0.231 min

Lab File: VV039380.D

Acq: 13 Nov 2025 14:11

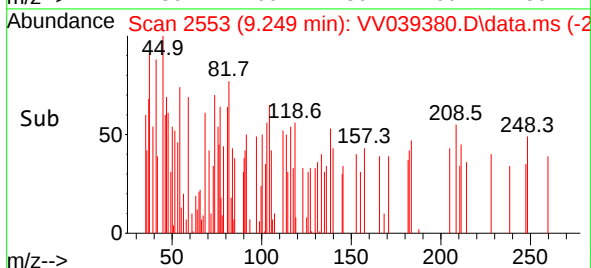
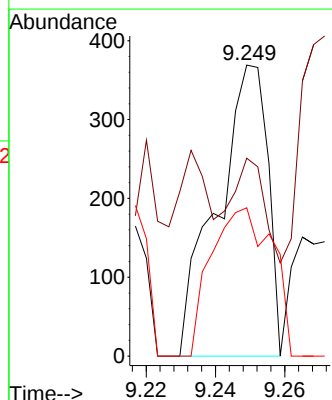
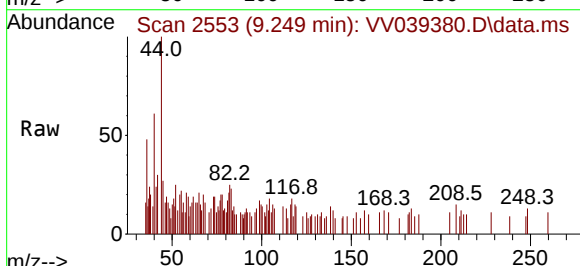
Tgt Ion:104 Resp: 373

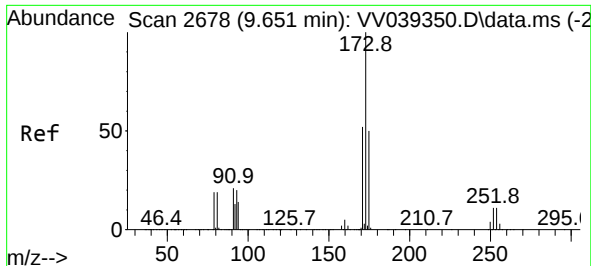
Ion Ratio Lower Upper

104 100

78 39.7 39.0 58.4

103 61.9 43.4 65.2

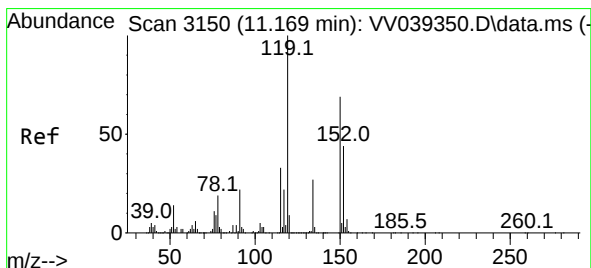
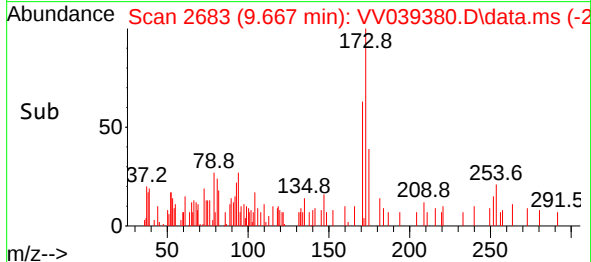
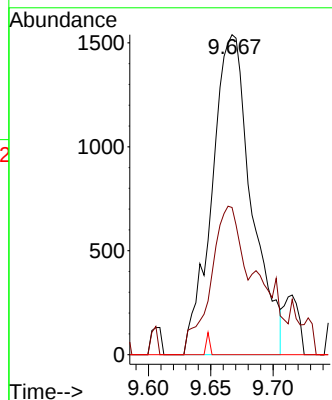
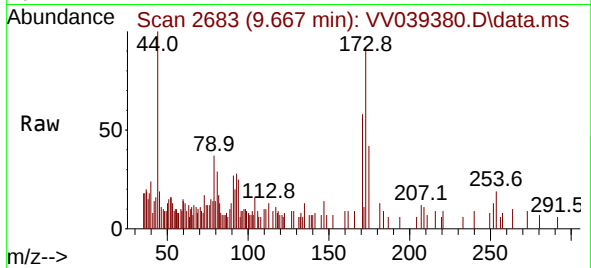




#71
Bromoform
Concen: 0.410 ug/l
RT: 9.667 min Scan# 2683
Delta R.T. 0.016 min
Lab File: VV039380.D
Acq: 13 Nov 2025 14:11

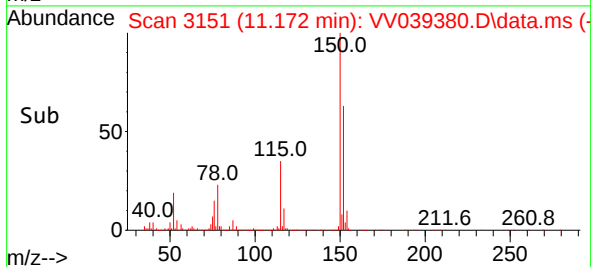
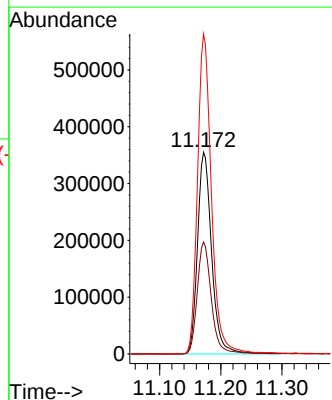
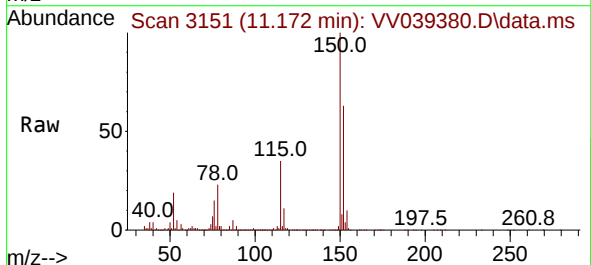
Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-03-QT4-2025

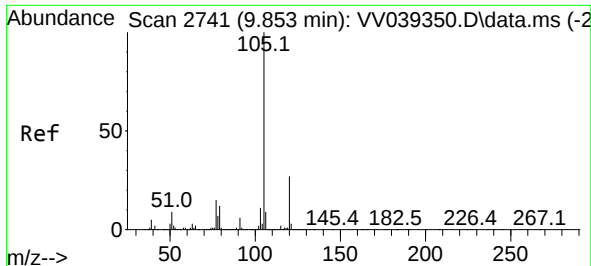
Tgt Ion:173 Resp: 3395
Ion Ratio Lower Upper
173 100
175 37.3 24.5 73.5
254 0.6 0.1 0.1#



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

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

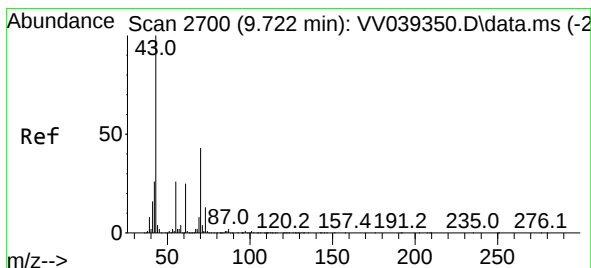
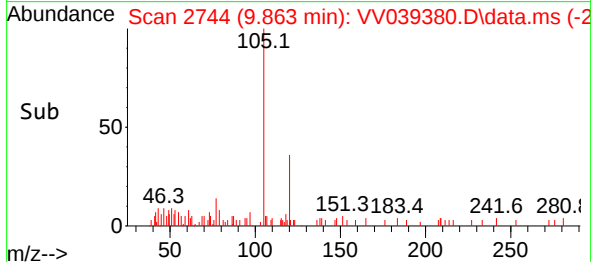
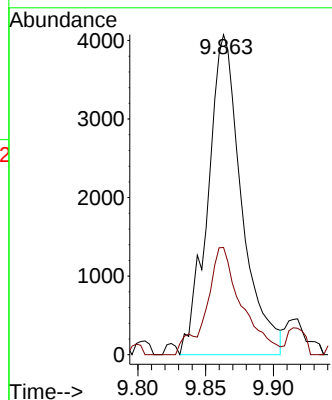
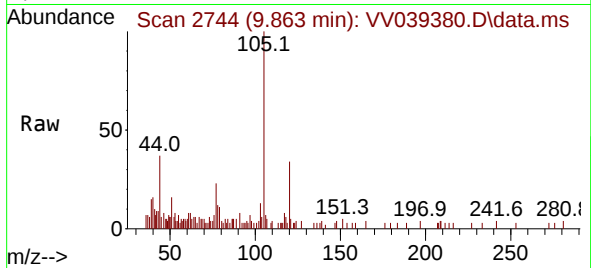




#73
Isopropylbenzene
Concen: 0.255 ug/l
RT: 9.863 min Scan# 2741
Delta R.T. 0.010 min
Lab File: VV039380.D
Acq: 13 Nov 2025 14:11

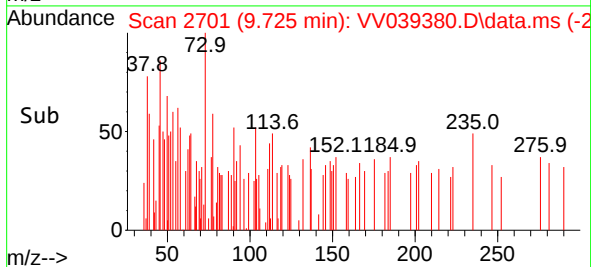
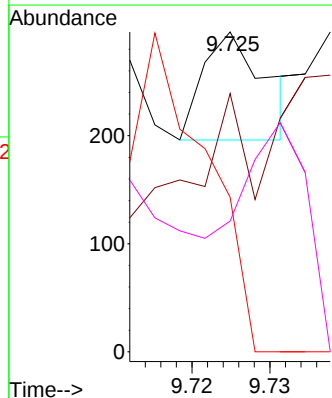
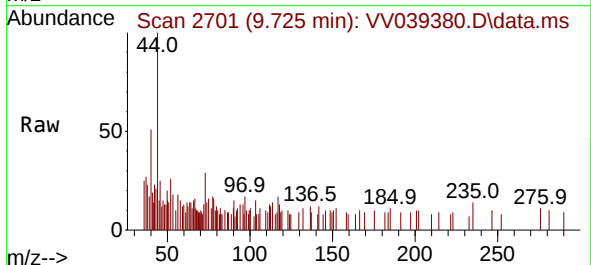
Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-03-QT4-2025

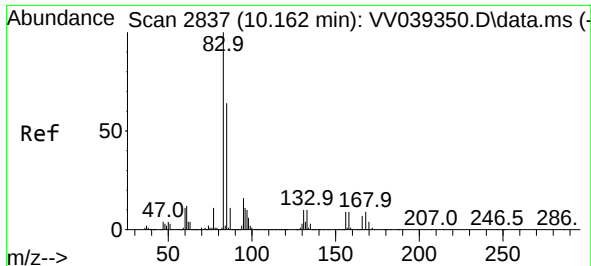
Tgt Ion:105 Resp: 7083
Ion Ratio Lower Upper
105 100
120 35.0 13.4 40.1



#74
N-ethyl acetate
Concen: 0.005 ug/l
RT: 9.725 min Scan# 2701
Delta R.T. 0.003 min
Lab File: VV039380.D
Acq: 13 Nov 2025 14:11

Tgt Ion: 43 Resp: 56
Ion Ratio Lower Upper
43 100
70 333.9 34.6 51.8#
55 417.9 21.0 31.6#
61 0.0 19.2 28.8#

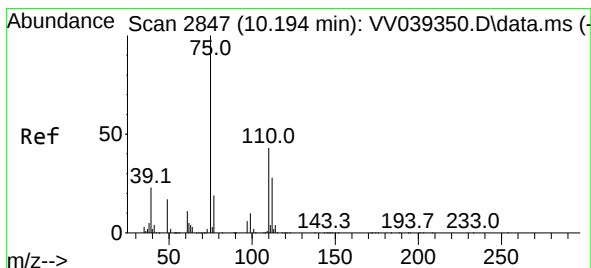
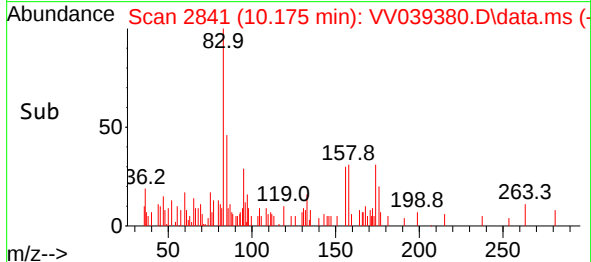
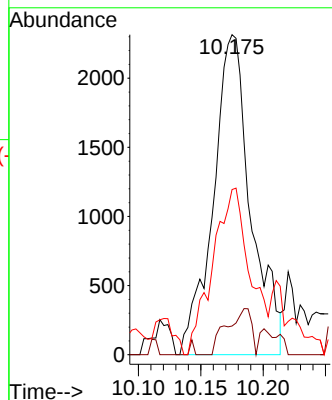
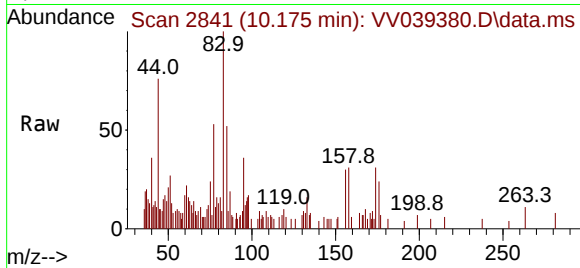




#75
1,1,2,2-Tetrachloroethane
Concen: 0.403 ug/l
RT: 10.175 min Scan# 2
Delta R.T. 0.013 min
Lab File: VV039380.D
Acq: 13 Nov 2025 14:11

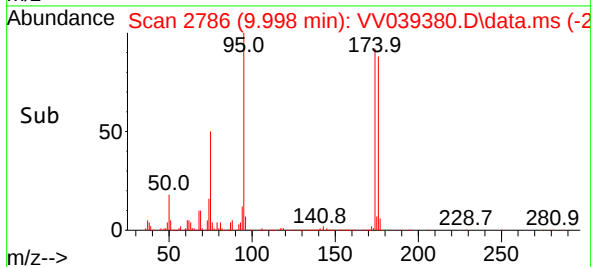
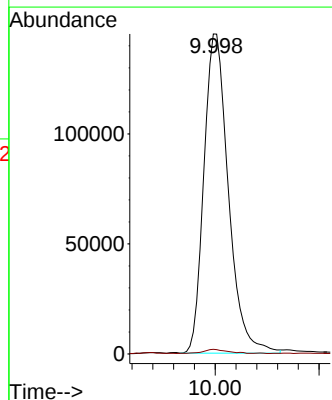
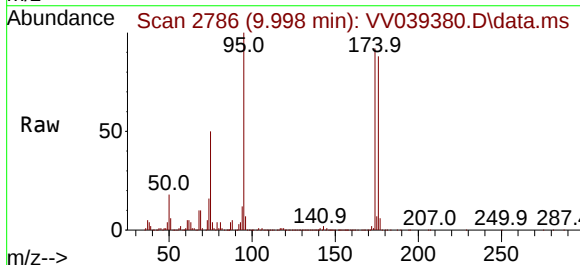
Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-03-QT4-2025

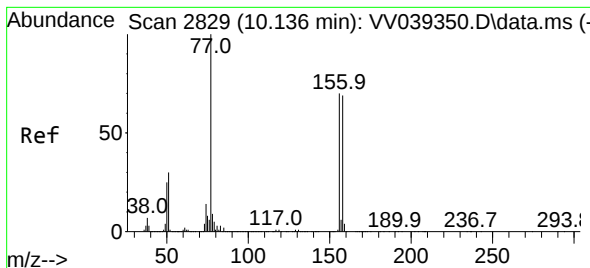
Tgt Ion: 83 Resp: 4877
Ion Ratio Lower Upper
83 100
131 9.4 5.4 16.2
85 51.5 32.0 96.2



#76
1,2,3-Trichloropropane
Concen: 26.889 ug/l
RT: 9.998 min Scan# 2786
Delta R.T. -0.196 min
Lab File: VV039380.D
Acq: 13 Nov 2025 14:11

Tgt Ion: 75 Resp: 237783
Ion Ratio Lower Upper
75 100
77 1.2 11.8 35.3#





#77

Bromobenzene

Concen: 0.344 ug/l

RT: 10.156 min Scan# 2835

Delta R.T. 0.019 min

Lab File: VV039380.D

Acq: 13 Nov 2025 14:11

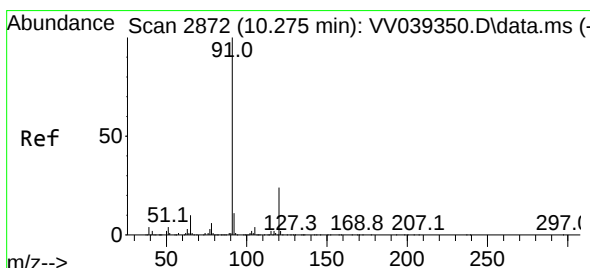
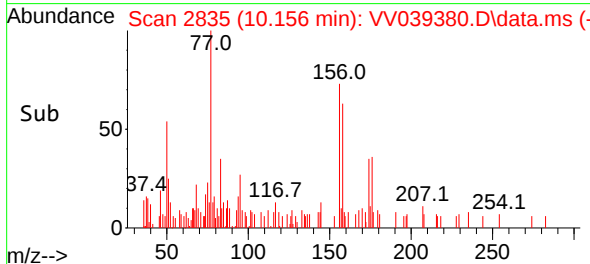
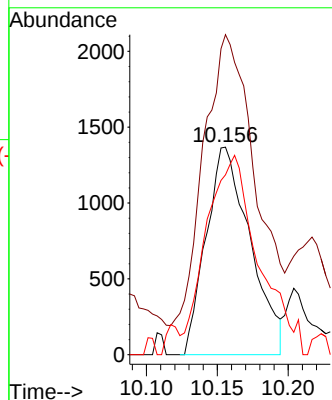
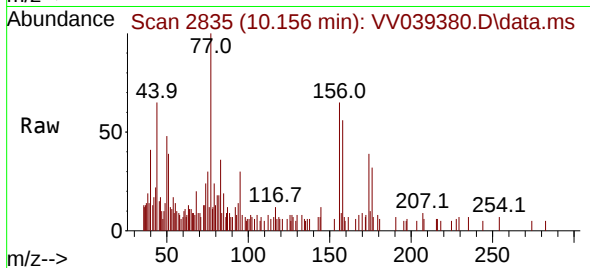
Instrument :

MSVOA_V

ClientSampleId :

MDL-WATER-03-QT4-2025

Tgt Ion:	156	Resp:	2956
Ion	Ratio	Lower	Upper
156	100		
77	160.6	70.3	210.9
158	113.9	49.4	148.0



#78

n-propylbenzene

Concen: 0.289 ug/l

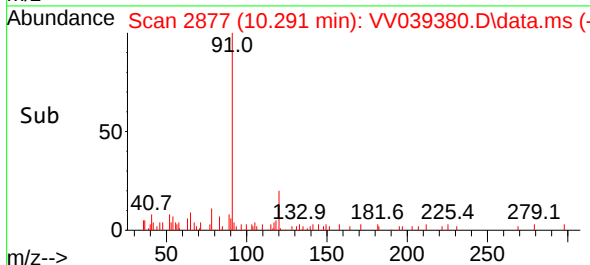
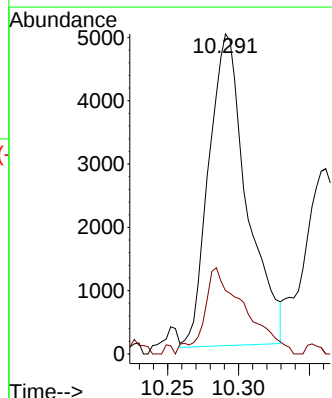
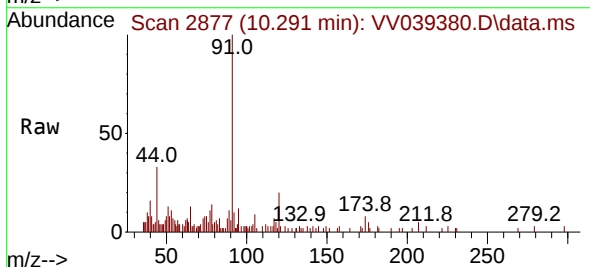
RT: 10.291 min Scan# 2877

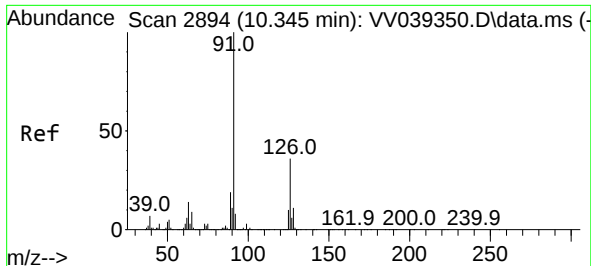
Delta R.T. 0.016 min

Lab File: VV039380.D

Acq: 13 Nov 2025 14:11

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





#79

2-Chlorotoluene

Concen: 0.258 ug/l

RT: 10.362 min Scan# 21

Delta R.T. 0.016 min

Lab File: VV039380.D

Acq: 13 Nov 2025 14:11

Instrument :

MSVOA_V

ClientSampleId :

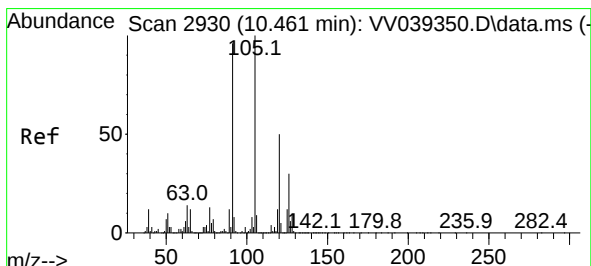
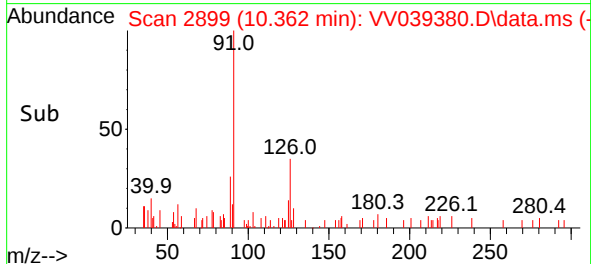
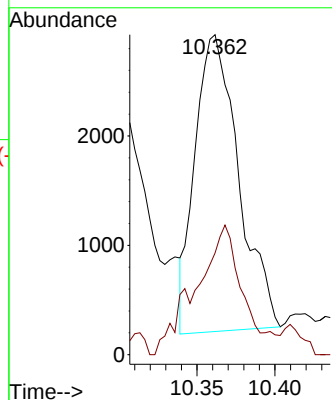
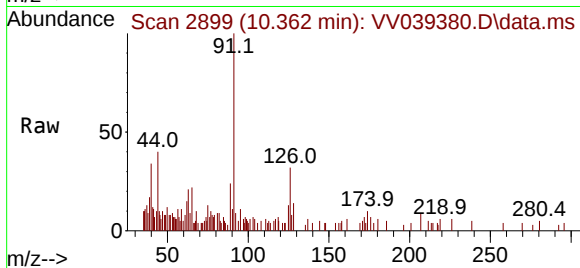
MDL-WATER-03-QT4-2025

Tgt Ion: 91 Resp: 5273

Ion Ratio Lower Upper

91 100

126 34.2 17.6 52.8



#80

1,3,5-Trimethylbenzene

Concen: 0.266 ug/l

RT: 10.474 min Scan# 2934

Delta R.T. 0.013 min

Lab File: VV039380.D

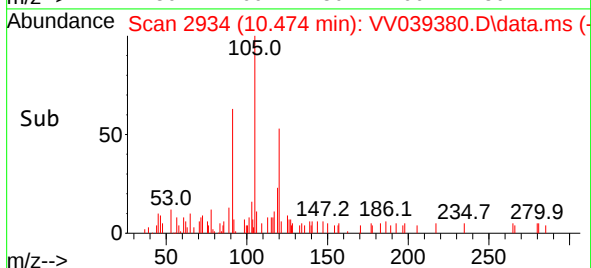
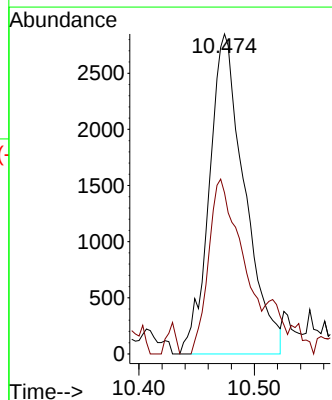
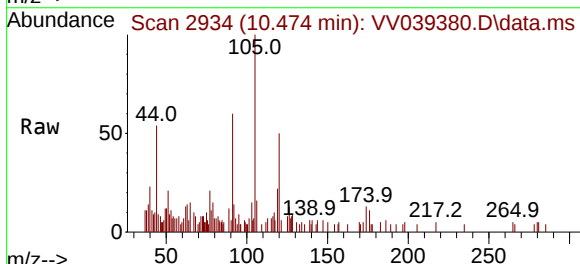
Acq: 13 Nov 2025 14:11

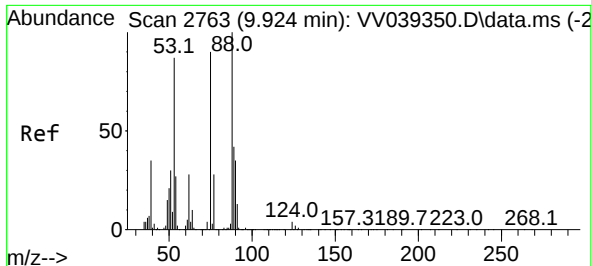
Tgt Ion: 105 Resp: 6042

Ion Ratio Lower Upper

105 100

120 51.9 25.1 75.4

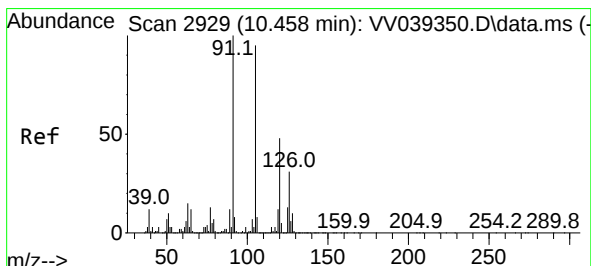
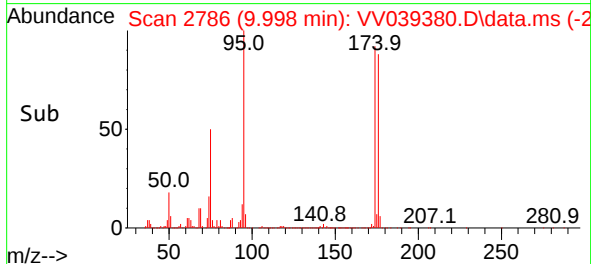
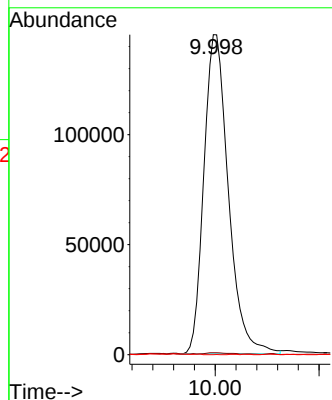
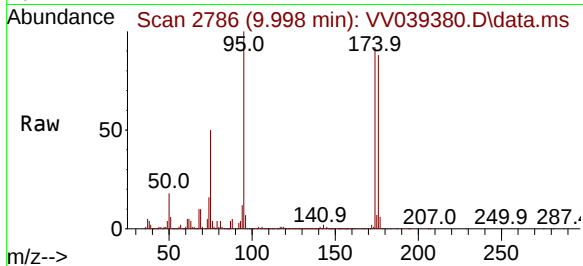




#81
trans-1,4-Dichloro-2-butene
Concen: 72.081 ug/l
RT: 9.998 min Scan# 21
Delta R.T. 0.074 min
Lab File: VV039380.D
Acq: 13 Nov 2025 14:11

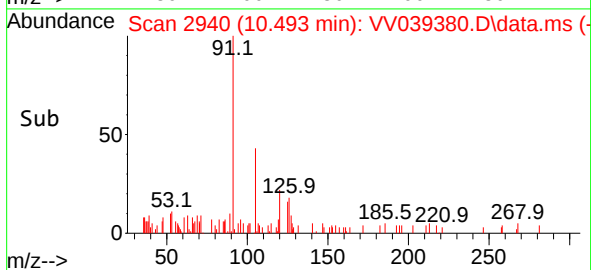
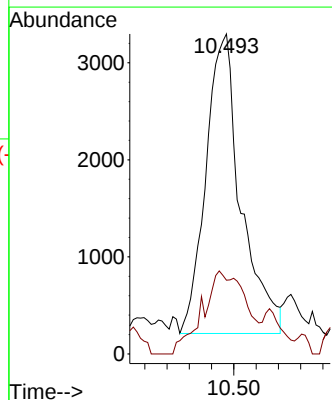
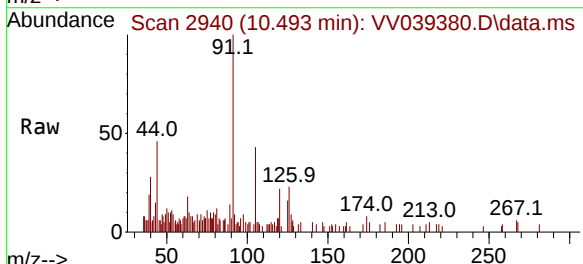
Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-03-QT4-2025

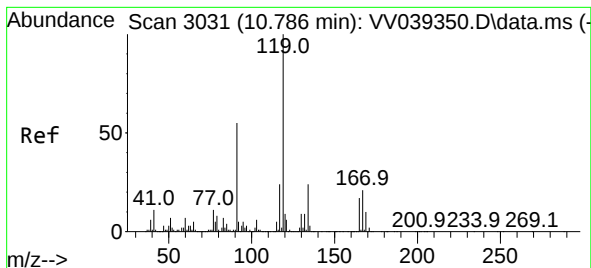
Tgt Ion: 75 Resp: 237783
Ion Ratio Lower Upper
75 100
53 0.4 79.0 118.6#
89 0.0 40.4 60.6#



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

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





#83

tert-Butylbenzene

Concen: 0.257 ug/l

RT: 10.792 min Scan# 3031

Delta R.T. 0.006 min

Lab File: VV039380.D

Acq: 13 Nov 2025 14:11

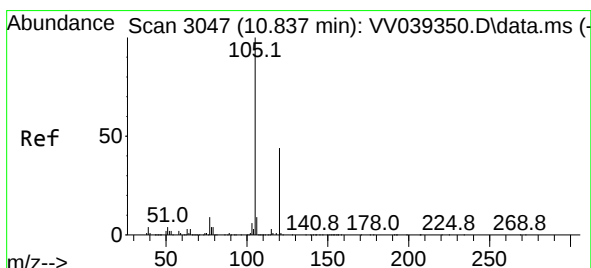
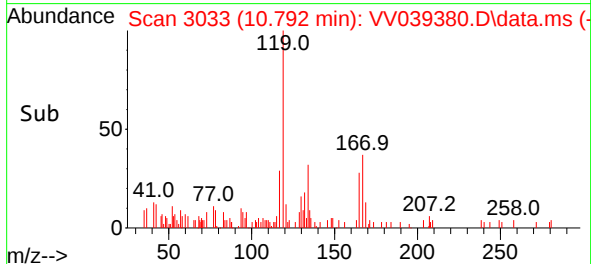
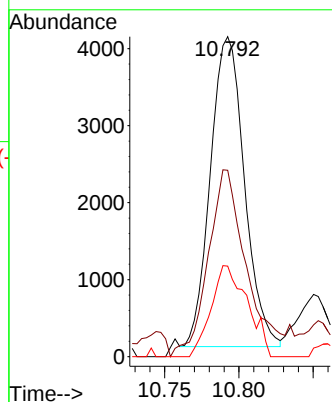
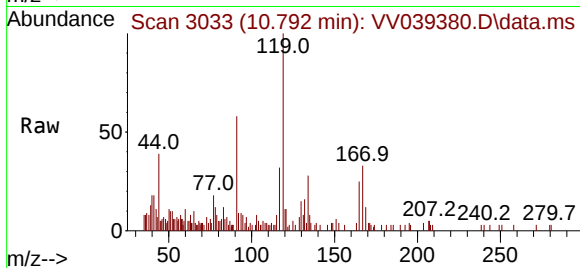
Instrument :

MSVOA_V

ClientSampleId :

MDL-WATER-03-QT4-2025

Tgt Ion:	119	Resp:	6417
Ion	Ratio	Lower	Upper
119	100		
91	67.9	26.5	79.5
134	31.3	11.9	35.5



#84

1,2,4-Trimethylbenzene

Concen: 0.256 ug/l

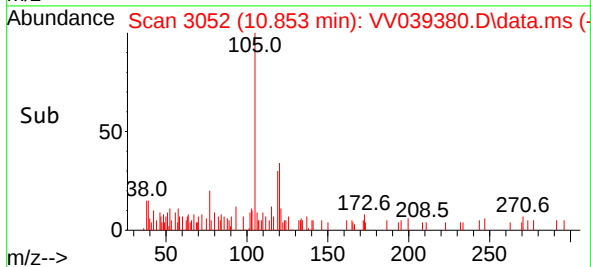
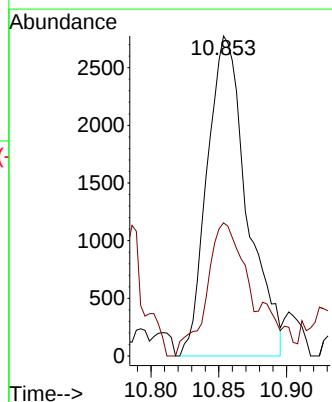
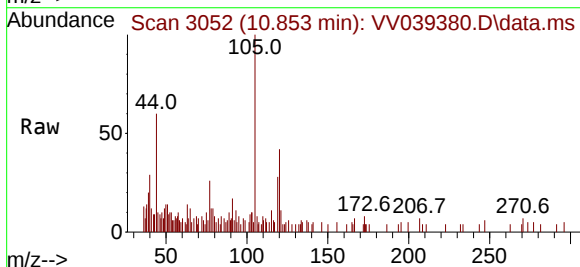
RT: 10.853 min Scan# 3052

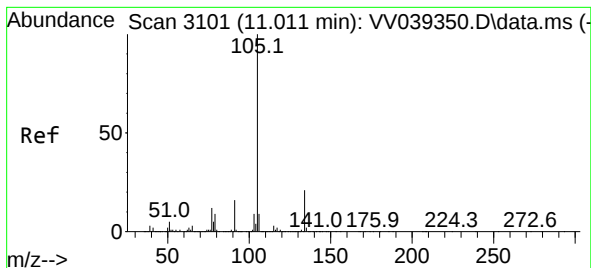
Delta R.T. 0.016 min

Lab File: VV039380.D

Acq: 13 Nov 2025 14:11

Tgt Ion:	105	Resp:	5663
Ion	Ratio	Lower	Upper
105	100		
120	40.2	23.0	69.0





#85

sec-Butylbenzene

Concen: 0.268 ug/l

RT: 11.017 min Scan# 3101

Delta R.T. 0.006 min

Lab File: VV039380.D

Acq: 13 Nov 2025 14:11

Instrument :

MSVOA_V

ClientSampleId :

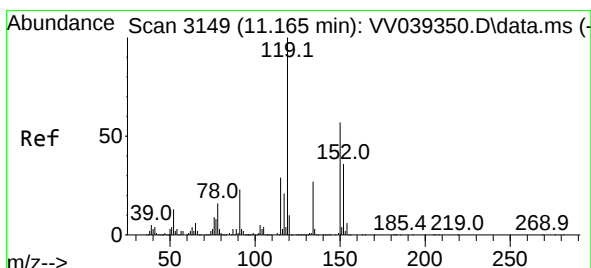
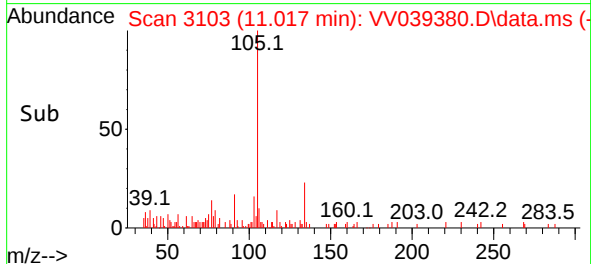
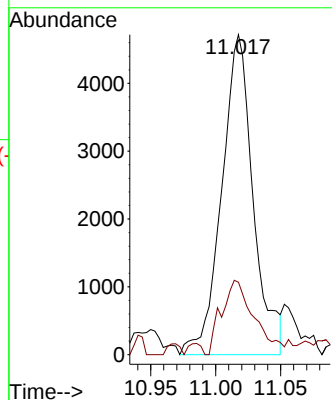
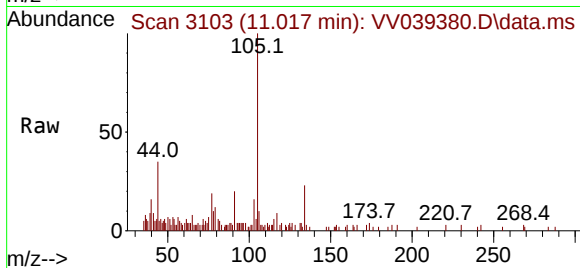
MDL-WATER-03-QT4-2025

Tgt Ion:105 Resp: 7949

Ion Ratio Lower Upper

105 100

134 24.2 10.5 31.6



#86

p-Isopropyltoluene

Concen: 0.285 ug/l

RT: 11.172 min Scan# 3151

Delta R.T. 0.006 min

Lab File: VV039380.D

Acq: 13 Nov 2025 14:11

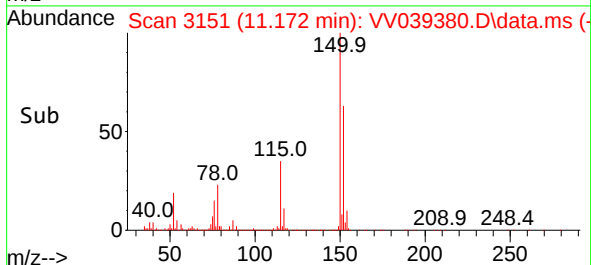
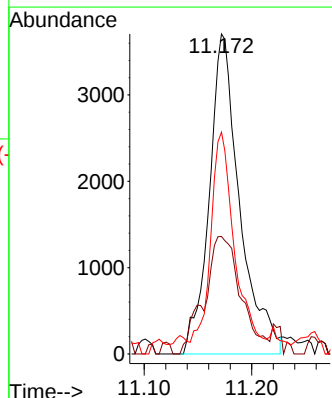
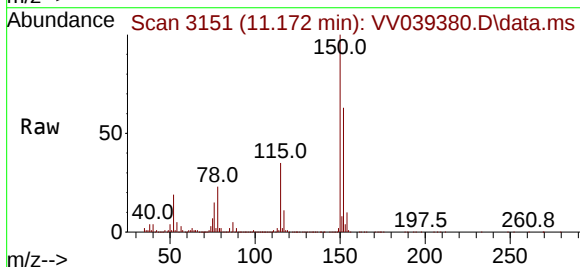
Tgt Ion:119 Resp: 7287

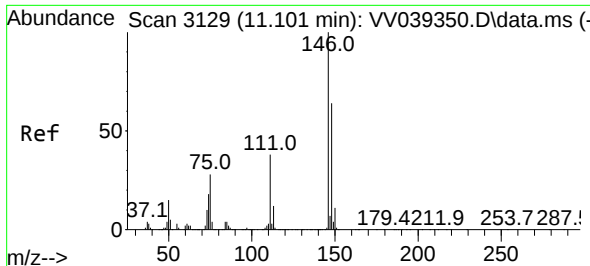
Ion Ratio Lower Upper

119 100

134 44.4 13.4 40.2#

91 48.5 11.5 34.4#

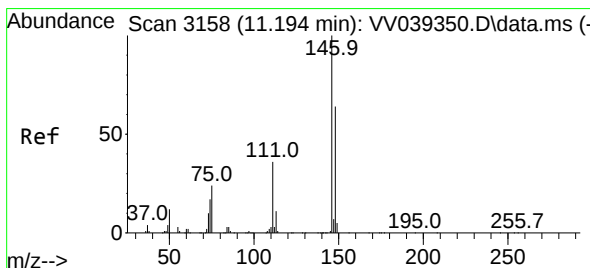
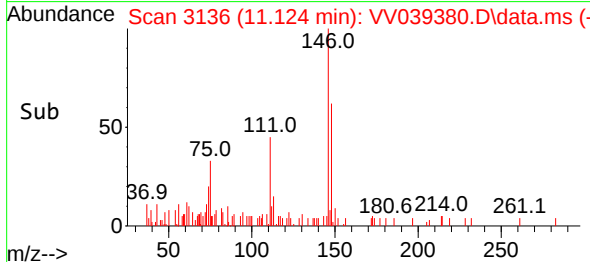
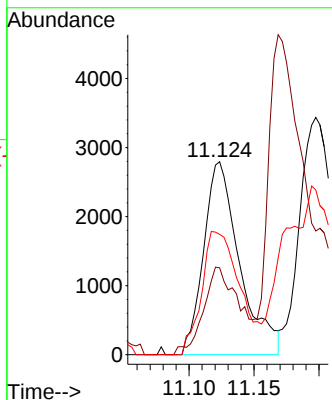
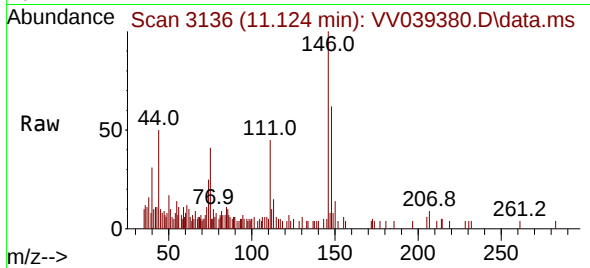




#87
 1,3-Dichlorobenzene
 Concen: 0.327 ug/l
 RT: 11.124 min Scan# 3129
 Delta R.T. 0.023 min
 Lab File: VV039380.D
 Acq: 13 Nov 2025 14:11

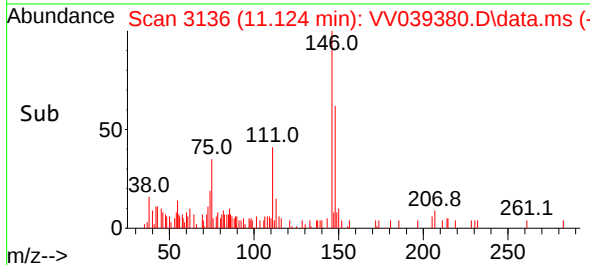
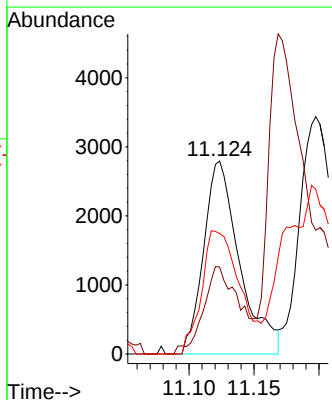
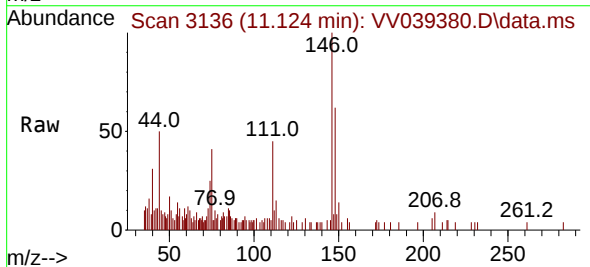
Instrument :
 MSVOA_V
 ClientSampleId :
 MDL-WATER-03-QT4-2025

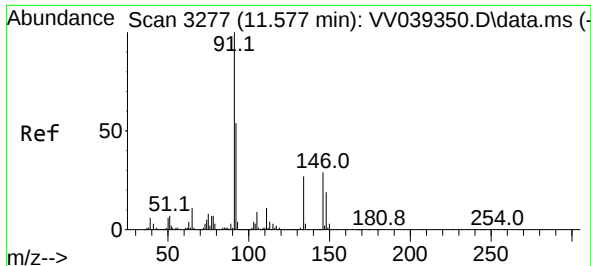
Tgt Ion:	146	Resp:	5393
Ion Ratio	Lower	Upper	
146	100		
111	44.6	18.8	56.4
148	68.1	31.9	95.5



#88
 1,4-Dichlorobenzene
 Concen: 0.300 ug/l
 RT: 11.124 min Scan# 3136
 Delta R.T. -0.071 min
 Lab File: VV039380.D
 Acq: 13 Nov 2025 14:11

Tgt Ion:	146	Resp:	5393
Ion Ratio	Lower	Upper	
146	100		
111	44.6	18.6	55.8
148	68.1	32.0	96.2





#89

n-Butylbenzene

Concen: 0.221 ug/l

RT: 11.596 min Scan# 31

Delta R.T. 0.019 min

Lab File: VV039380.D

Acq: 13 Nov 2025 14:11

Instrument :

MSVOA_V

ClientSampleId :

MDL-WATER-03-QT4-2025

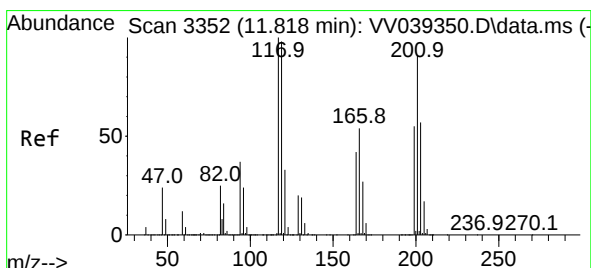
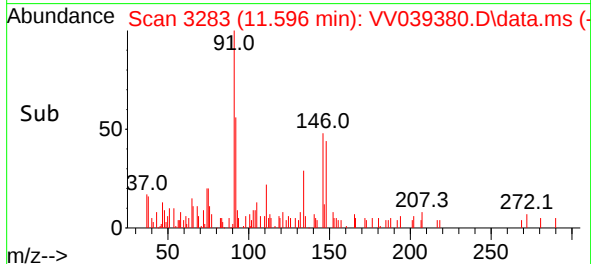
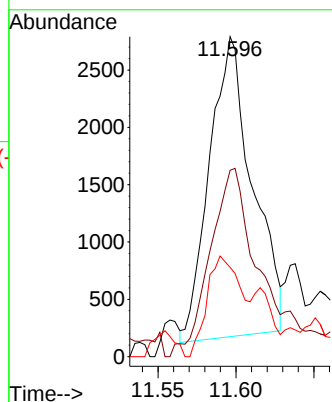
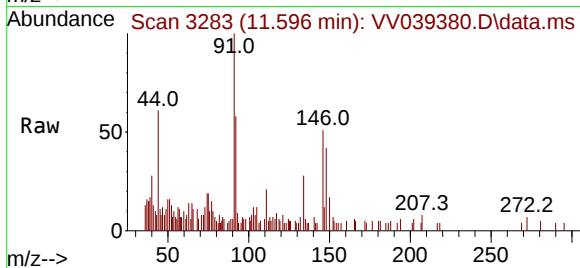
Tgt Ion: 91 Resp: 5033

Ion Ratio Lower Upper

91 100

92 75.0 26.9 80.7

134 26.8 13.5 40.5



#90

Hexachloroethane

Concen: 0.232 ug/l

RT: 11.818 min Scan# 3352

Delta R.T. 0.000 min

Lab File: VV039380.D

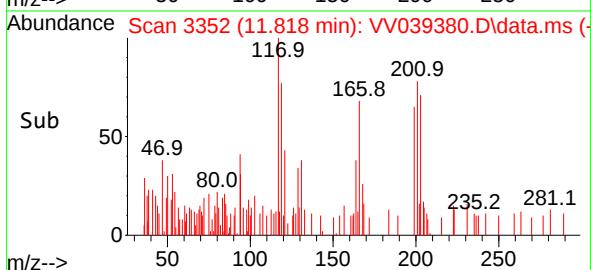
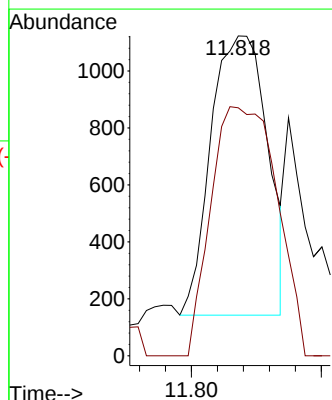
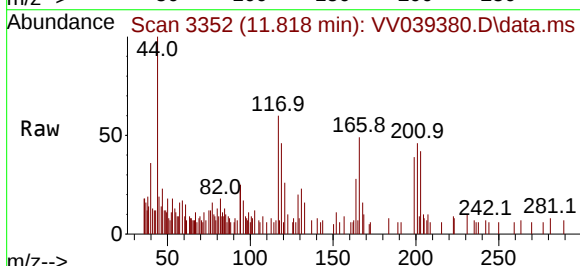
Acq: 13 Nov 2025 14:11

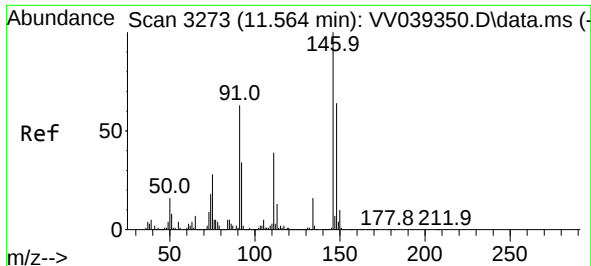
Tgt Ion: 117 Resp: 1480

Ion Ratio Lower Upper

117 100

201 104.1 45.3 135.8





#91

1,2-Dichlorobenzene

Concen: 0.013 ug/l

RT: 11.484 min Scan# 31

Delta R.T. -0.080 min

Lab File: VV039380.D

Acq: 13 Nov 2025 14:11

Instrument :

MSVOA_V

ClientSampleId :

MDL-WATER-03-QT4-2025

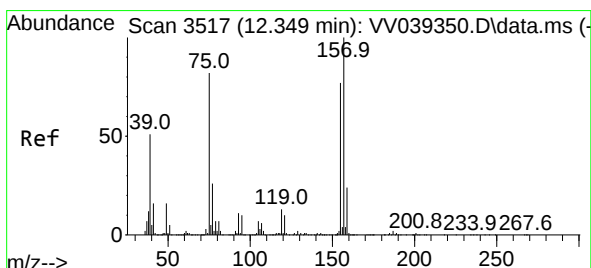
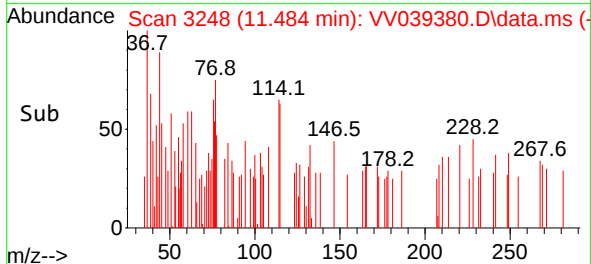
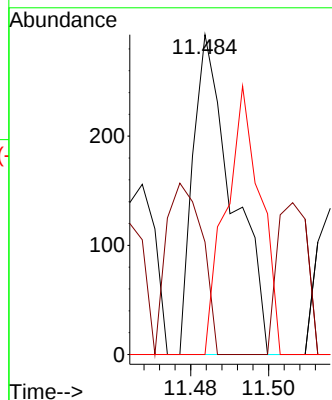
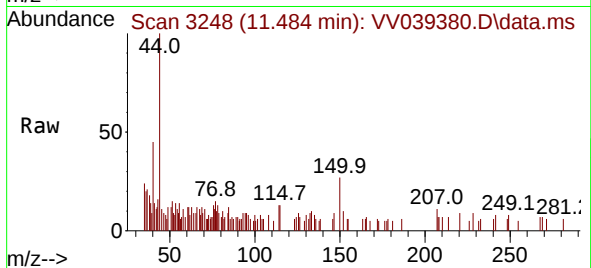
Tgt Ion:146 Resp: 208

Ion Ratio Lower Upper

146 100

111 48.6 19.5 58.5

148 73.1 32.0 96.0



#92

1,2-Dibromo-3-Chloropropane

Concen: 0.044 ug/l

RT: 12.342 min Scan# 3515

Delta R.T. -0.006 min

Lab File: VV039380.D

Acq: 13 Nov 2025 14:11

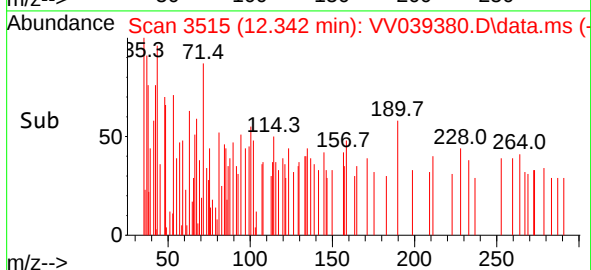
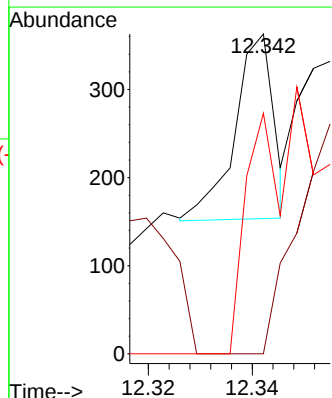
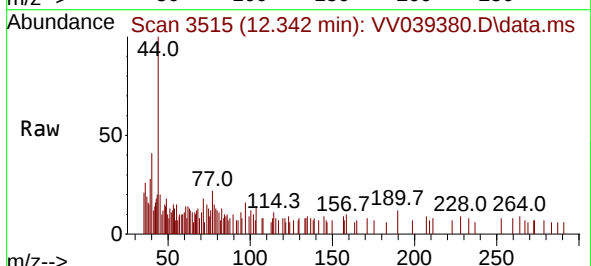
Tgt Ion: 75 Resp: 110

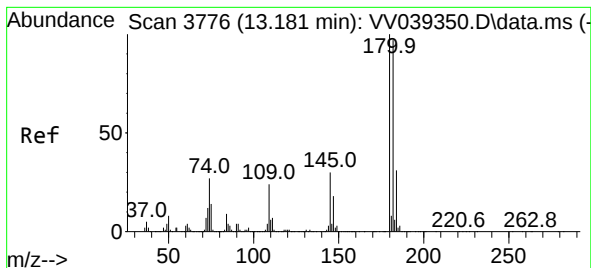
Ion Ratio Lower Upper

75 100

155 0.0 47.0 141.2#

157 110.9 61.3 183.9





#93

1,2,4-Trichlorobenzene

Concen: 0.011 ug/l

RT: 13.339 min Scan# 3825

Delta R.T. 0.158 min

Lab File: VV039380.D

Acq: 13 Nov 2025 14:11

Instrument :

MSVOA_V

ClientSampleId :

MDL-WATER-03-QT4-2025

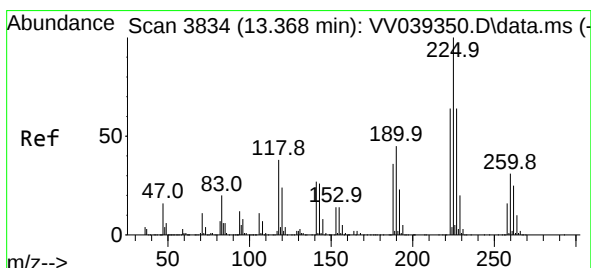
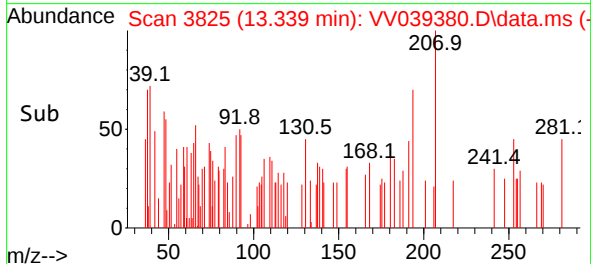
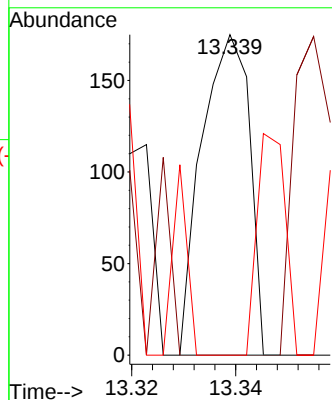
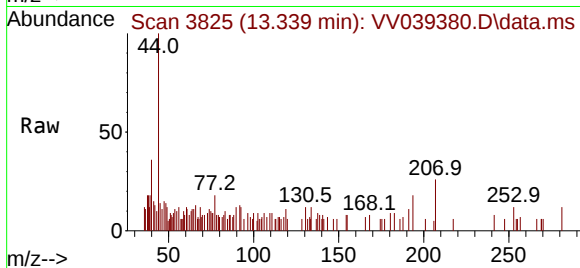
Tgt Ion:180 Resp: 112

Ion Ratio Lower Upper

180 100

182 78.6 48.5 145.5

145 41.1 14.6 43.8



#94

Hexachlorobutadiene

Concen: 0.470 ug/l

RT: 13.374 min Scan# 3836

Delta R.T. 0.006 min

Lab File: VV039380.D

Acq: 13 Nov 2025 14:11

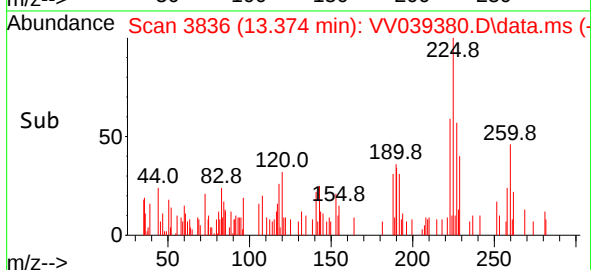
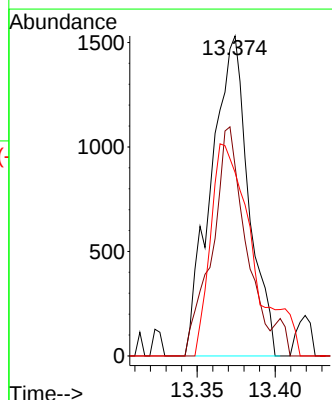
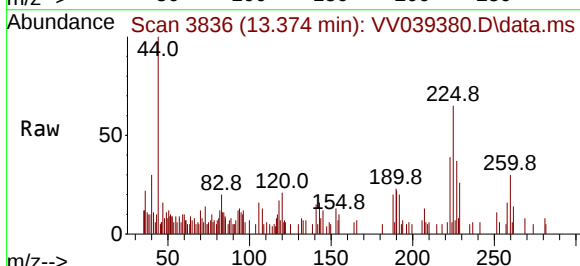
Tgt Ion:225 Resp: 2562

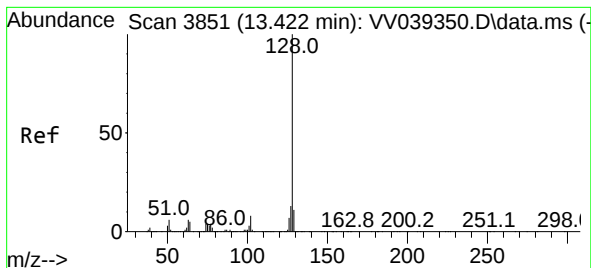
Ion Ratio Lower Upper

225 100

223 64.0 31.1 93.5

227 74.7 31.7 95.1





#95

Naphthalene

Concen: 0.010 ug/l

RT: 13.387 min Scan# 3930

Delta R.T. -0.035 min

Lab File: VV039380.D

Acq: 13 Nov 2025 14:11

Instrument :

MSVOA_V

ClientSampleId :

MDL-WATER-03-QT4-2025

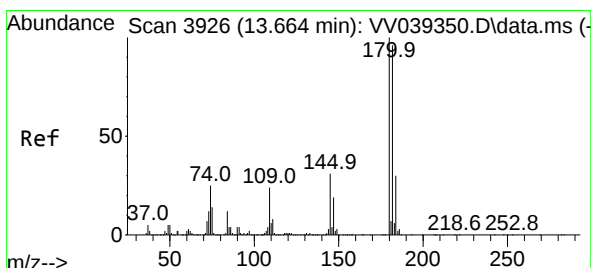
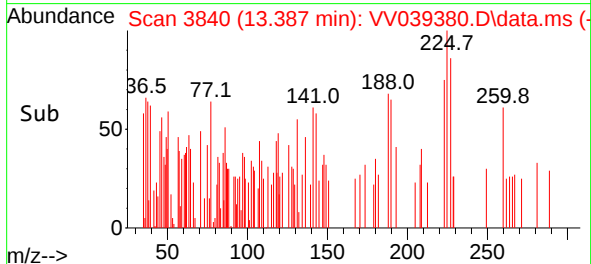
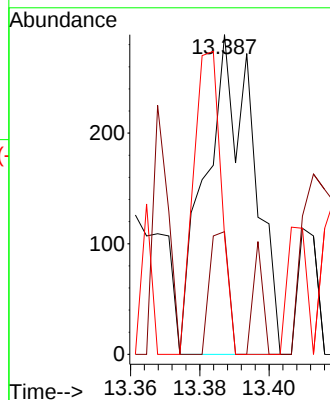
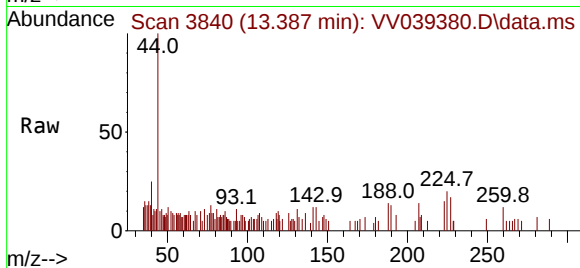
Tgt Ion:128 Resp: 277

Ion Ratio Lower Upper

128 100

127 15.2 10.4 15.6

129 54.9 8.4 12.6#



#96

1,2,3-Trichlorobenzene

Concen: 0.291 ug/l

RT: 13.677 min Scan# 3930

Delta R.T. 0.013 min

Lab File: VV039380.D

Acq: 13 Nov 2025 14:11

Tgt Ion:180 Resp: 3072

Ion Ratio Lower Upper

180 100

182 87.5 47.9 143.6

145 35.2 15.3 45.9

