

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV091225\
 Data File : VV039054.D
 Acq On : 12 Sep 2025 12:12
 Operator : SY/MD
 Sample : Q2899-02
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL-WATER-QT3-2025-06

Quant Time: Sep 13 00:45:16 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM091125WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Sep 12 01:49:00 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.532	114	827603	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.776	117	830250	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.172	152	354554	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.291	65	341596	44.932	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	89.860%		
7) Chloroethane-d5	1.545	69	286023	47.562	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	95.120%		
11) 1,1-Dichloroethene-d2	2.072	65	150738	45.969	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	91.940%		
21) 2-Butanone-d5	3.789	46	295550	99.064	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	99.060%		
24) Chloroform-d	4.252	84	598462	47.732	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	95.460%		
26) 1,2-Dichloroethane-d4	4.941	65	365780	49.540	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	99.080%		
32) Benzene-d6	4.960	84	1166151	48.450	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	96.900%		
36) 1,2-Dichloropropane-d6	5.986	67	375862	47.727	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	95.460%		
41) Toluene-d8	7.236	98	986569	43.906	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	87.820%		
43) trans-1,3-Dichloroprop...	7.548	79	166398	44.708	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	89.420%		
47) 2-Hexanone-d5	8.014	63	199408	88.948	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	88.950%		
56) 1,1,2,2-Tetrachloroeth...	10.140	84	546871	48.764	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	97.520%		
66) 1,2-Dichlorobenzene-d4	11.548	152	347715	52.217	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	104.440%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.121	85	14878	2.366	ug/L	95
3) Chloromethane	1.230	50	17530	2.486	ug/L	91
5) Vinyl chloride	1.298	62	21047	2.595	ug/L #	78
6) Bromomethane	1.497	94	11108	2.459	ug/L	96
8) Chloroethane	1.561	64	13052	2.531	ug/L	97
9) Trichlorofluoromethane	1.725	101	27757	2.427	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.079	101	19825	2.765	ug/L	91
12) 1,1-Dichloroethene	2.015	96	194	0.030	ug/L	69
13) Acetone	2.124	43	19114	3.480	ug/L	93
14) Carbon disulfide	2.253	76	46619	2.237	ug/L	97
15) Methyl Acetate	2.394	43	14707	2.059	ug/L	92
16) Methylene chloride	2.462	84	18392	2.624	ug/L	100
17) trans-1,2-Dichloroethene	2.709	96	14621	2.307	ug/L	99
18) Methyl tert-butyl Ether	2.712	73	39051	2.150	ug/L	96
19) 1,1-Dichloroethane	3.127	63	28408	2.410	ug/L	97
20) cis-1,2-Dichloroethene	3.825	96	13877	2.049	ug/L	99
22) 2-Butanone	3.902	43	4809	1.037	ug/L	99
23) Bromochloromethane	4.172	128	8701	2.349	ug/L	96
25) Chloroform	4.281	83	40268	3.200	ug/L	96

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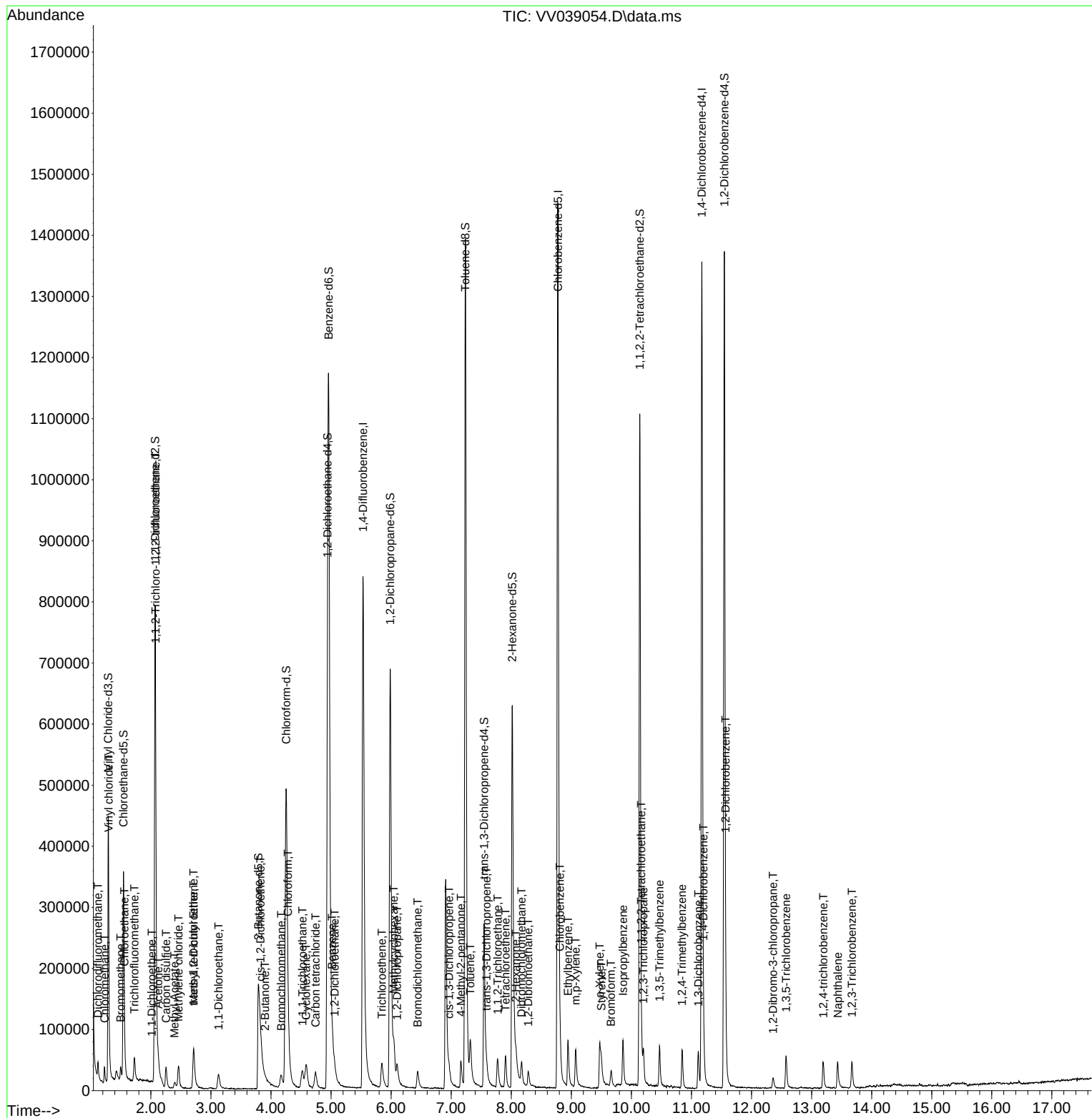
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.059	62	20226	2.207	ug/L	99
29) Cyclohexane	4.584	56	18413	1.785	ug/L	98
30) 1,1,1-Trichloroethane	4.523	97	24994	2.233	ug/L	95
31) Carbon tetrachloride	4.741	117	20997	2.109	ug/L	87
33) Benzene	5.014	78	59576	2.302	ug/L	100
34) Trichloroethene	5.847	95	16399	2.338	ug/L	96
35) Methylcyclohexane	6.043	83	22303	1.987	ug/L	95
37) 1,2-Dichloropropane	6.098	63	13958	2.015	ug/L #	90
38) Bromodichloromethane	6.439	83	22521	2.310	ug/L #	93
39) cis-1,3-Dichloropropene	6.966	75	22844	2.069	ug/L	96
40) 4-Methyl-2-pentanone	7.162	43	29213	3.324	ug/L	97
42) Toluene	7.320	91	61979	2.173	ug/L	99
44) trans-1,3-Dichloropropene	7.587	75	21062	1.978	ug/L #	80
45) 1,1,2-Trichloroethane	7.773	97	17158	2.340	ug/L	97
46) Tetrachloroethene	7.905	164	12085	2.221	ug/L	92
48) 2-Hexanone	8.079	43	29550	4.820	ug/L #	91
49) Dibromochloromethane	8.172	129	18258	2.356	ug/L	93
50) 1,2-Dibromoethane	8.281	107	17179	2.243	ug/L	98
51) Chlorobenzene	8.809	112	43475	2.347	ug/L	97
52) Ethylbenzene	8.944	91	57160	1.905	ug/L	98
53) m,p-Xylene	9.072	106	20300	1.768	ug/L	88
54) o-Xylene	9.474	106	20159	1.896	ug/L	91
55) Styrene	9.500	104	31083	1.655	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.165	83	32115	2.716	ug/L #	94
59) Bromoform	9.661	173	12480	2.612	ug/L #	95
60) Isopropylbenzene	9.860	105	47455	1.945	ug/L	96
61) 1,2,3-Trichloropropane	10.201	75	21965	2.948	ug/L	99
62) 1,3,5-Trimethylbenzene	10.468	105	35377	1.854	ug/L	98
63) 1,2,4-Trimethylbenzene	10.844	105	35781	1.892	ug/L	99
64) 1,3-Dichlorobenzene	11.114	146	26107	2.247	ug/L	99
65) 1,4-Dichlorobenzene	11.201	146	31400	2.525	ug/L	96
67) 1,2-Dichlorobenzene	11.567	146	32357	2.785	ug/L	96
68) 1,2-Dibromo-3-chloropr...	12.358	75	5761	2.754	ug/L #	88
69) 1,3,5-Trichlorobenzene	12.577	180	18024	2.403	ug/L	99
70) 1,2,4-trichlorobenzene	13.194	180	13856	2.125	ug/L	98
71) Naphthalene	13.435	128	37554	1.723	ug/L	99
72) 1,2,3-Trichlorobenzene	13.670	180	14209	2.099	ug/L	97

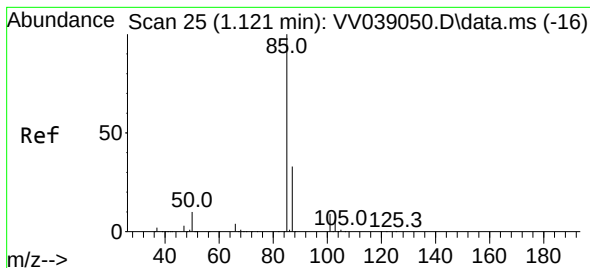
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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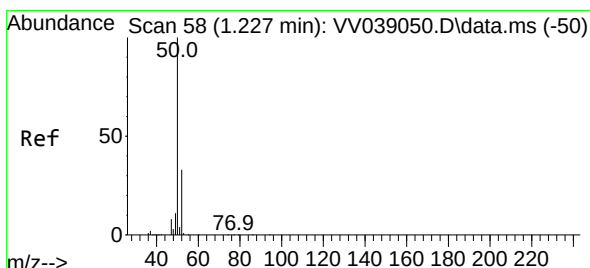
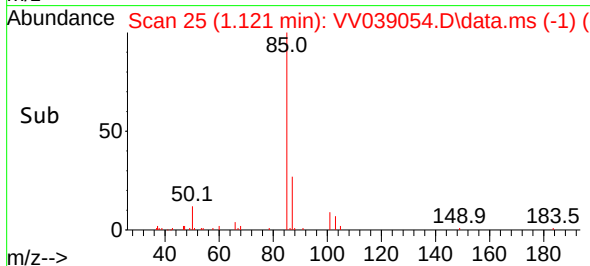
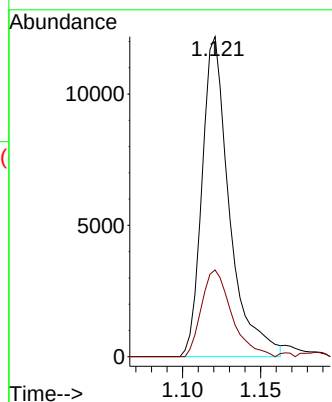
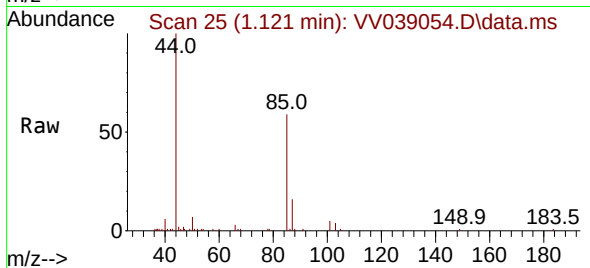




#2
 Dichlorodifluoromethane
 Concen: 2.366 ug/L
 RT: 1.121 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VV039054.D
 Acq: 12 Sep 2025 12:12

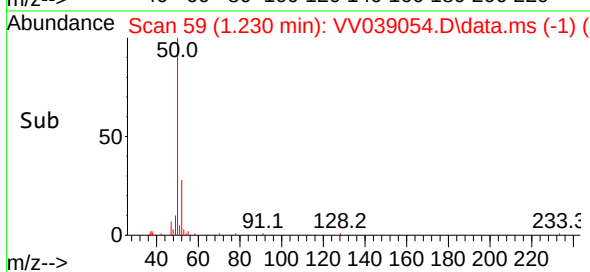
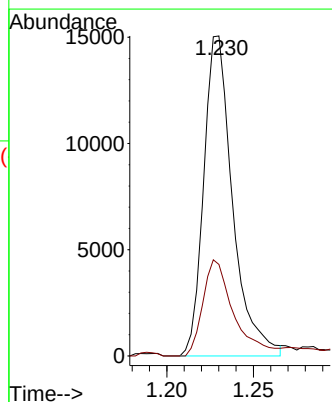
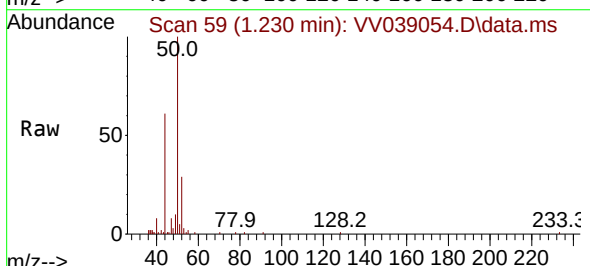
Instrument : MSVOA_V
 ClientSampleId : MDL-WATER-QT3-2025-06

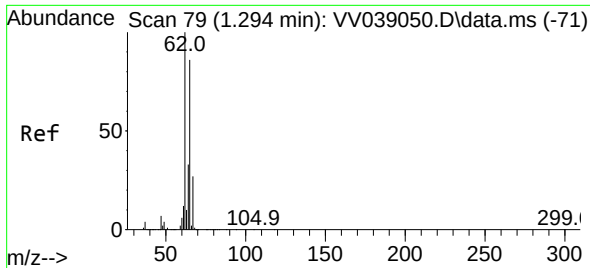
Tgt Ion: 85 Resp: 14878
 Ion Ratio Lower Upper
 85 100
 87 29.8 25.8 38.8



#3
 Chloromethane
 Concen: 2.486 ug/L
 RT: 1.230 min Scan# 59
 Delta R.T. 0.003 min
 Lab File: VV039054.D
 Acq: 12 Sep 2025 12:12

Tgt Ion: 50 Resp: 17530
 Ion Ratio Lower Upper
 50 100
 52 28.6 23.6 43.8

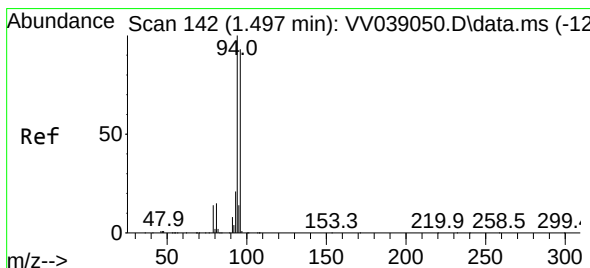
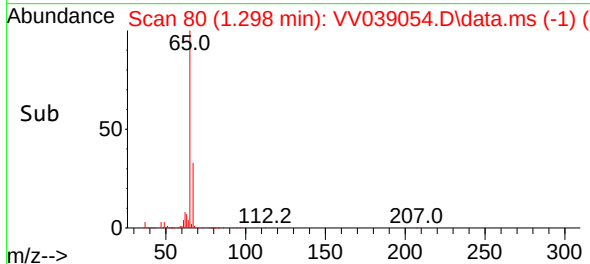
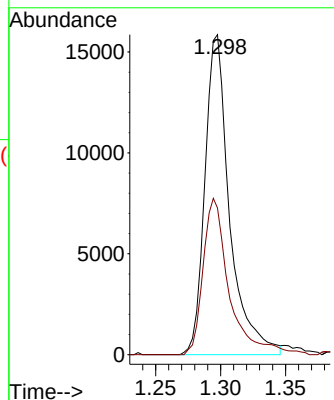
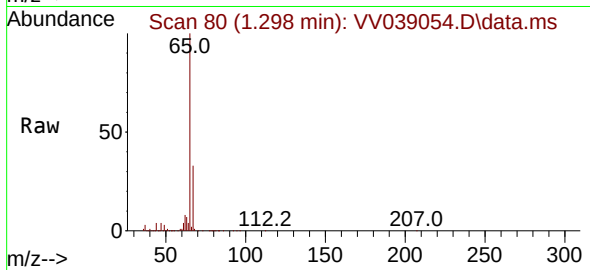




#5
 Vinyl chloride
 Concen: 2.595 ug/L
 RT: 1.298 min Scan# 80
 Delta R.T. 0.003 min
 Lab File: VV039054.D
 Acq: 12 Sep 2025 12:12

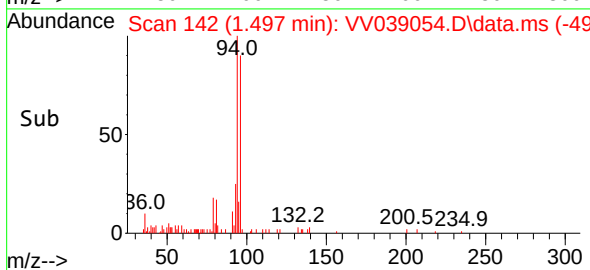
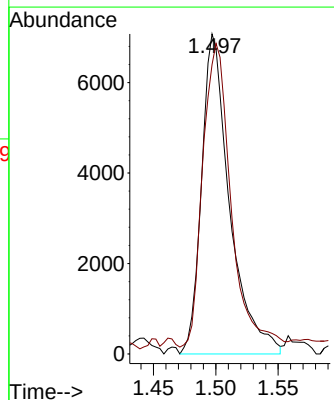
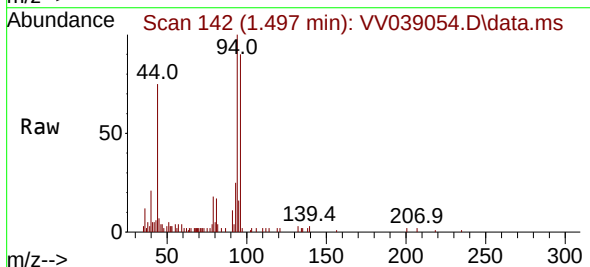
Instrument :
 MSVOA_V
 ClientSampleId :
 MDL-WATER-QT3-2025-06

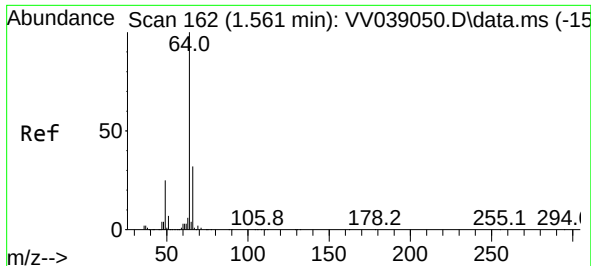
Tgt Ion: 62 Resp: 21047
 Ion Ratio Lower Upper
 62 100
 64 45.9 23.4 43.4#



#6
 Bromomethane
 Concen: 2.459 ug/L
 RT: 1.497 min Scan# 142
 Delta R.T. 0.000 min
 Lab File: VV039054.D
 Acq: 12 Sep 2025 12:12

Tgt Ion: 94 Resp: 11108
 Ion Ratio Lower Upper
 94 100
 96 90.4 66.3 123.1

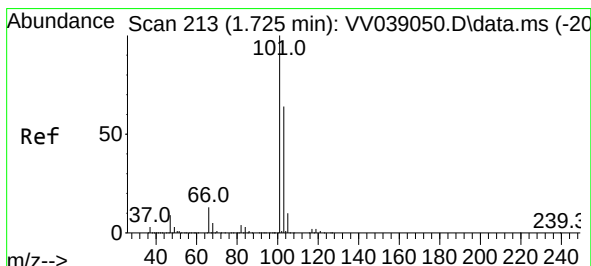
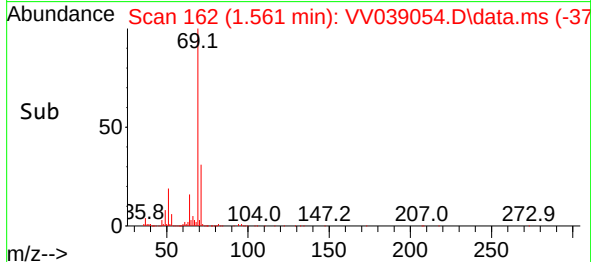
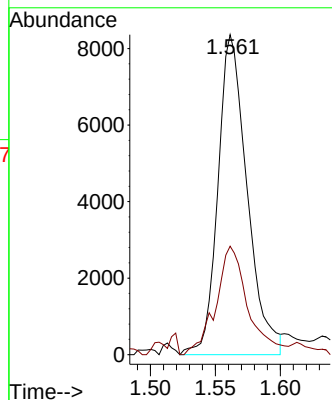
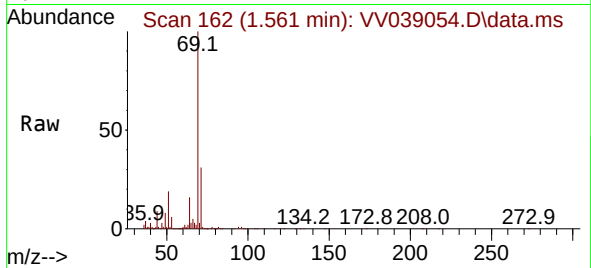




#8
Chloroethane
Concen: 2.531 ug/L
RT: 1.561 min Scan# 162
Delta R.T. 0.003 min
Lab File: VV039054.D
Acq: 12 Sep 2025 12:12

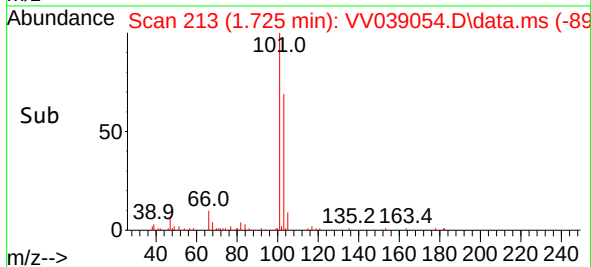
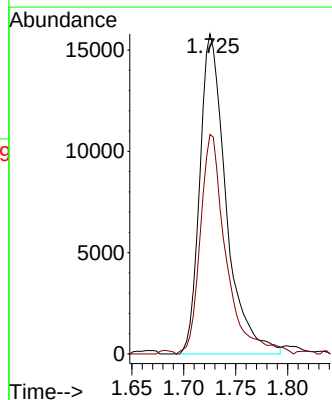
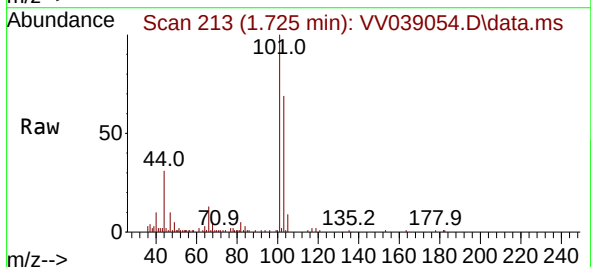
Instrument : MSVOA_V
ClientSampleId : MDL-WATER-QT3-2025-06

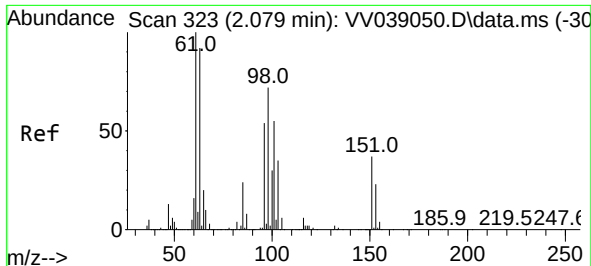
Tgt Ion: 64 Resp: 13052
Ion Ratio Lower Upper
64 100
66 33.9 22.4 41.6



#9
Trichlorofluoromethane
Concen: 2.427 ug/L
RT: 1.725 min Scan# 213
Delta R.T. 0.000 min
Lab File: VV039054.D
Acq: 12 Sep 2025 12:12

Tgt Ion: 101 Resp: 27757
Ion Ratio Lower Upper
101 100
103 65.9 52.1 78.1





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 2.765 ug/L

RT: 2.079 min Scan# 31

Delta R.T. 0.000 min

Lab File: VV039054.D

Acq: 12 Sep 2025 12:12

Instrument :

MSVOA_V

ClientSampleId :

MDL-WATER-QT3-2025-06

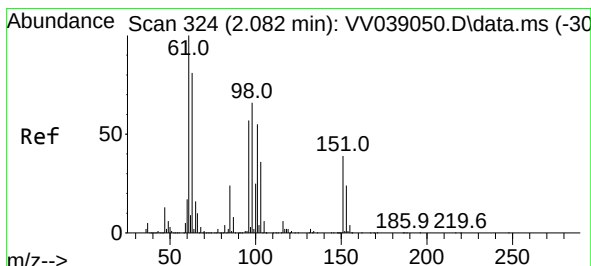
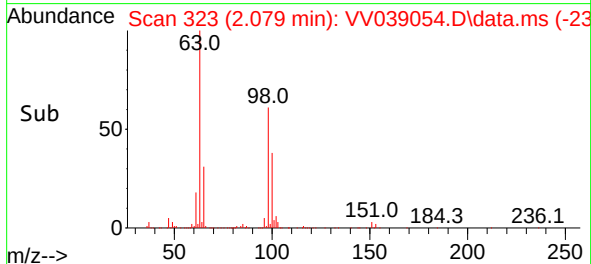
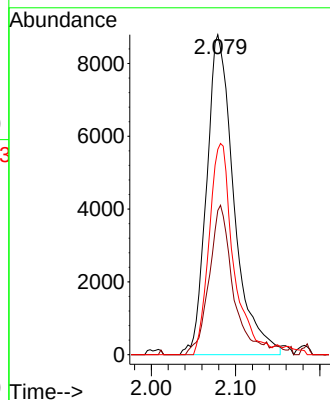
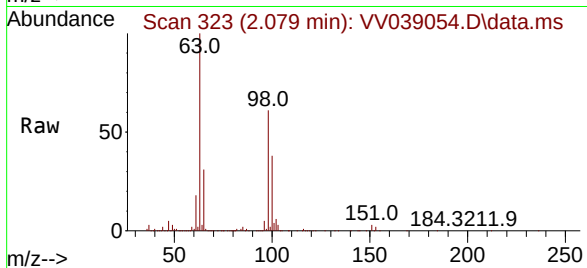
Tgt Ion:101 Resp: 19825

Ion Ratio Lower Upper

101 100

85 40.4 34.7 52.1

151 58.9 54.6 81.8



#12

1,1-Dichloroethene

Concen: 0.030 ug/L

RT: 2.015 min Scan# 303

Delta R.T. -0.064 min

Lab File: VV039054.D

Acq: 12 Sep 2025 12:12

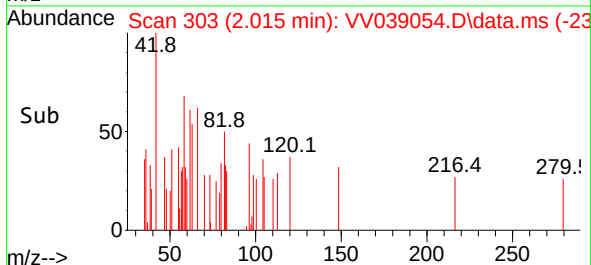
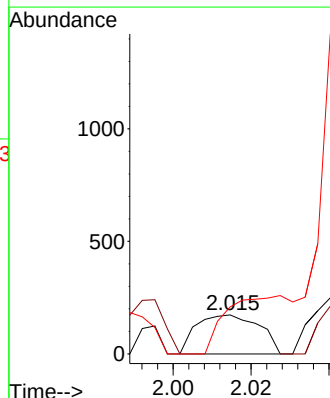
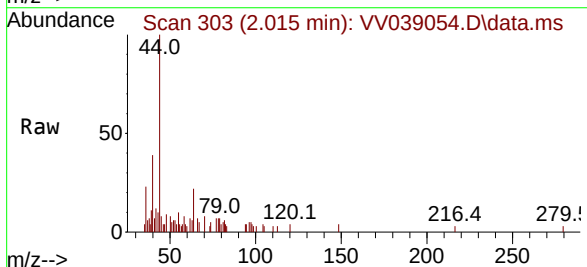
Tgt Ion: 96 Resp: 194

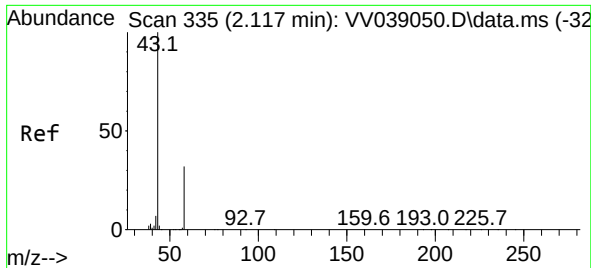
Ion Ratio Lower Upper

96 100

61 136.4 123.3 229.1

63 120.8 116.6 216.6





#13

Acetone

Concen: 3.480 ug/L

RT: 2.124 min Scan# 311

Delta R.T. 0.010 min

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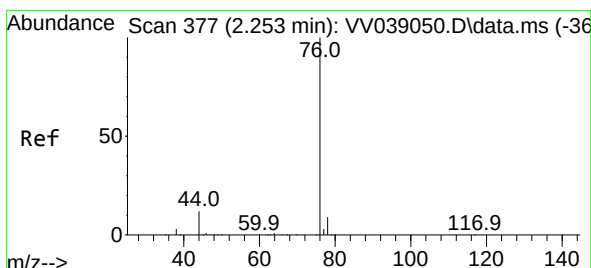
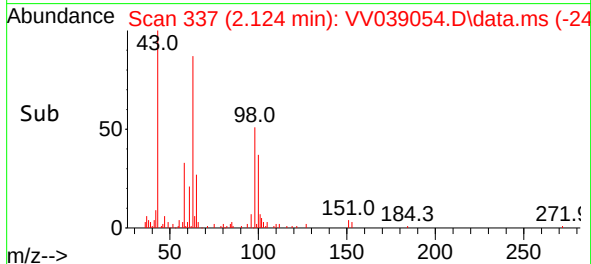
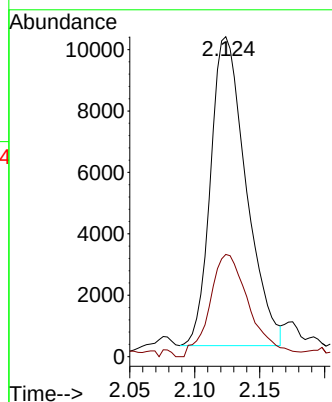
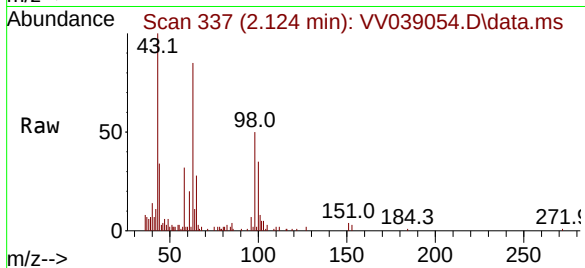
MDL-WATER-QT3-2025-06

Tgt Ion: 43 Resp: 19114

Ion Ratio Lower Upper

43 100

58 37.0 0.0 65.8



#14

Carbon disulfide

Concen: 2.237 ug/L

RT: 2.253 min Scan# 377

Delta R.T. 0.003 min

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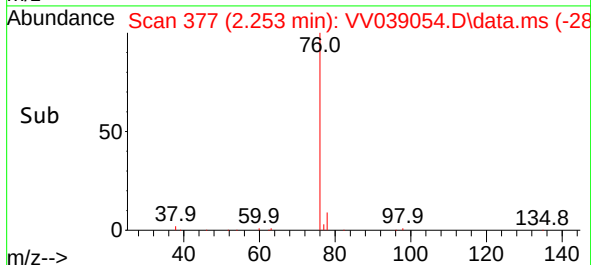
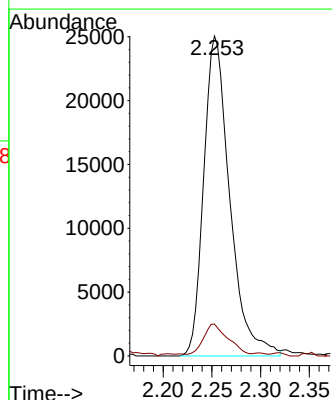
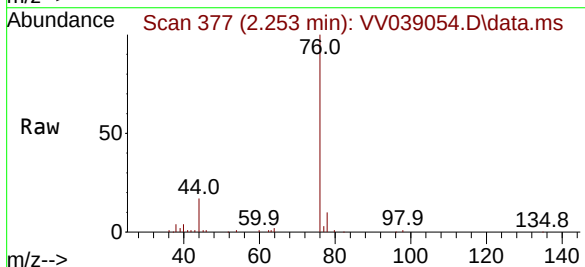
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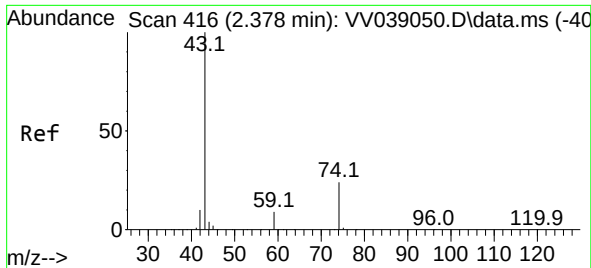
Tgt Ion: 76 Resp: 46619

Ion Ratio Lower Upper

76 100

78 9.9 7.0 10.6

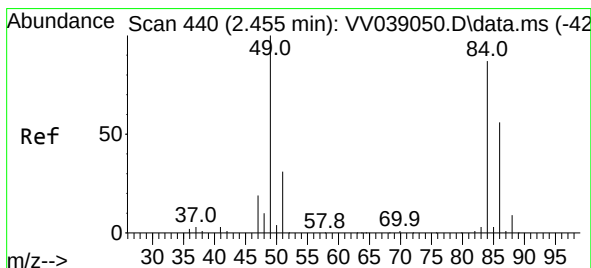
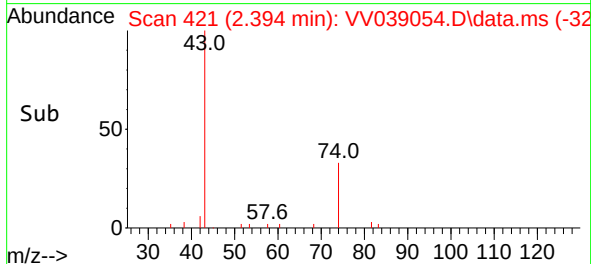
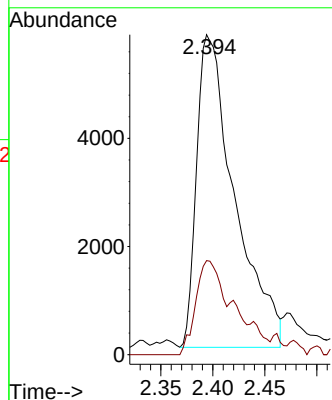
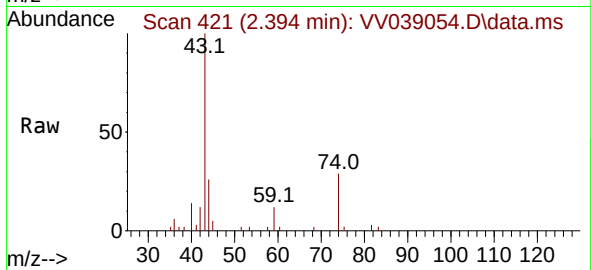




#15
Methyl Acetate
Concen: 2.059 ug/L
RT: 2.394 min Scan# 416
Delta R.T. 0.016 min
Lab File: VV039054.D
Acq: 12 Sep 2025 12:12

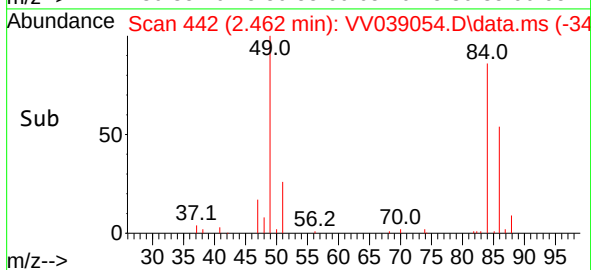
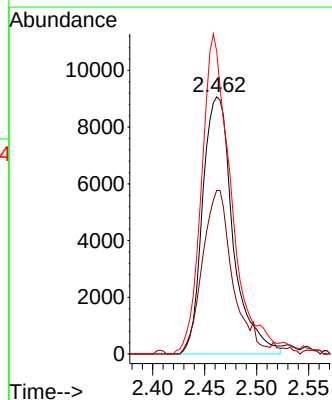
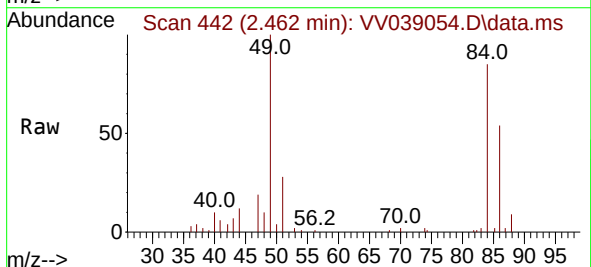
Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT3-2025-06

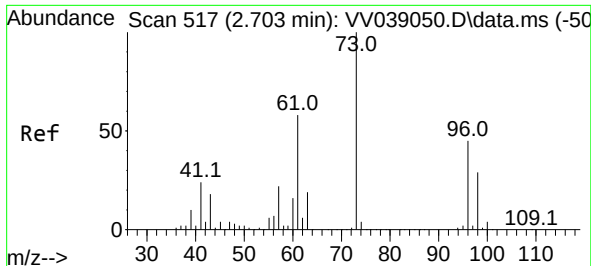
Tgt Ion: 43 Resp: 14707
Ion Ratio Lower Upper
43 100
74 20.3 19.6 29.4



#16
Methylene chloride
Concen: 2.624 ug/L
RT: 2.462 min Scan# 442
Delta R.T. 0.007 min
Lab File: VV039054.D
Acq: 12 Sep 2025 12:12

Tgt Ion: 84 Resp: 18392
Ion Ratio Lower Upper
84 100
86 63.6 44.7 83.1
49 117.7 82.0 152.4

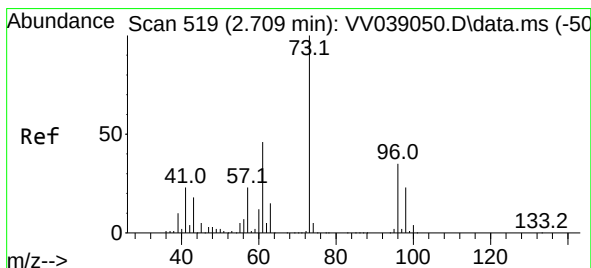
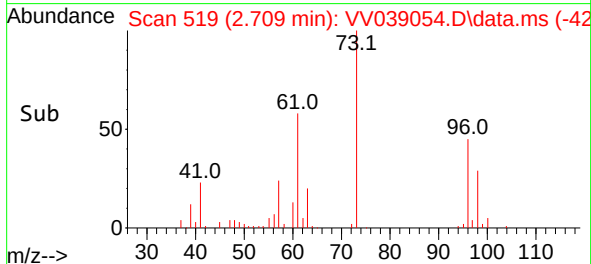
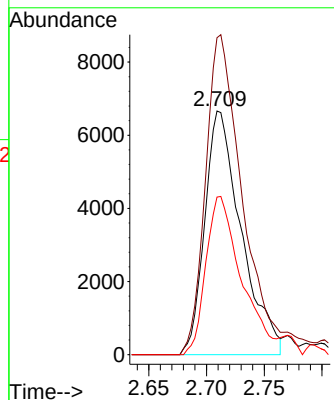
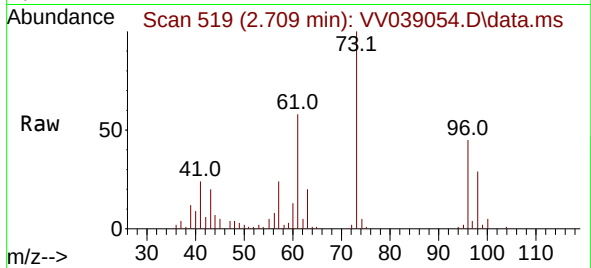




#17
trans-1,2-Dichloroethene
Concen: 2.307 ug/L
RT: 2.709 min Scan# 517
Delta R.T. 0.010 min
Lab File: VV039054.D
Acq: 12 Sep 2025 12:12

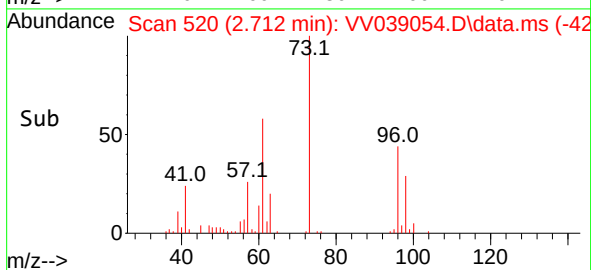
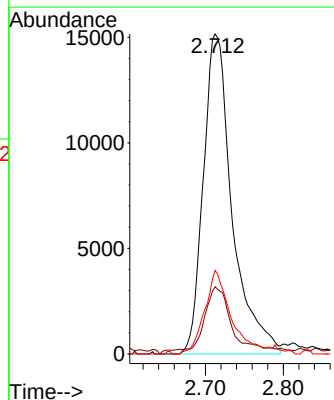
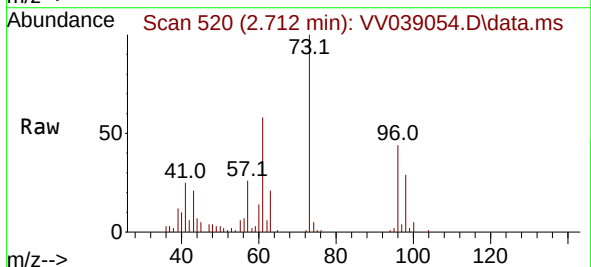
Instrument : MSVOA_V
ClientSampleId : MDL-WATER-QT3-2025-06

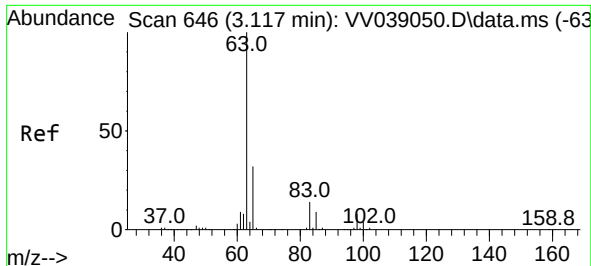
Tgt Ion: 96 Resp: 14621
Ion Ratio Lower Upper
96 100
61 130.0 91.3 169.5
98 64.6 44.7 83.1



#18
Methyl tert-butyl Ether
Concen: 2.150 ug/L
RT: 2.712 min Scan# 520
Delta R.T. 0.007 min
Lab File: VV039054.D
Acq: 12 Sep 2025 12:12

Tgt Ion: 73 Resp: 39051
Ion Ratio Lower Upper
73 100
43 15.4 14.2 21.4
57 23.5 17.5 26.3





#19

1,1-Dichloroethane

Concen: 2.410 ug/L

RT: 3.127 min Scan# 646

Delta R.T. 0.013 min

Lab File: VV039054.D

Acq: 12 Sep 2025 12:12

Instrument :

MSVOA_V

ClientSampleId :

MDL-WATER-QT3-2025-06

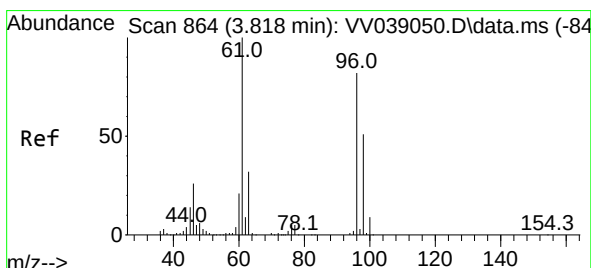
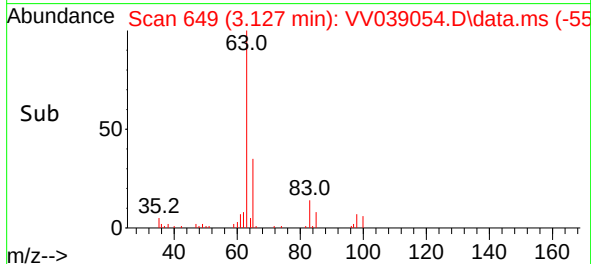
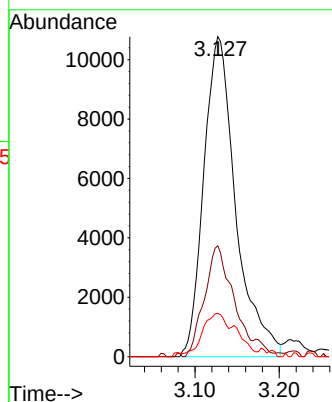
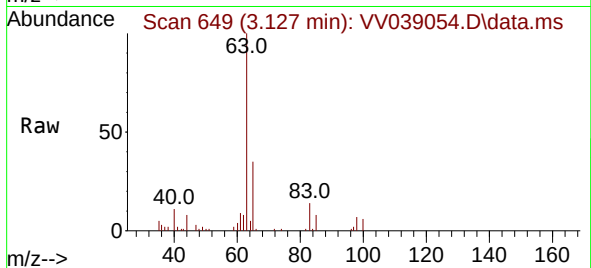
Tgt Ion: 63 Resp: 28408

Ion Ratio Lower Upper

63 100

65 34.7 22.4 41.6

83 13.6 9.6 17.8



#20

cis-1,2-Dichloroethene

Concen: 2.049 ug/L

RT: 3.825 min Scan# 866

Delta R.T. 0.010 min

Lab File: VV039054.D

Acq: 12 Sep 2025 12:12

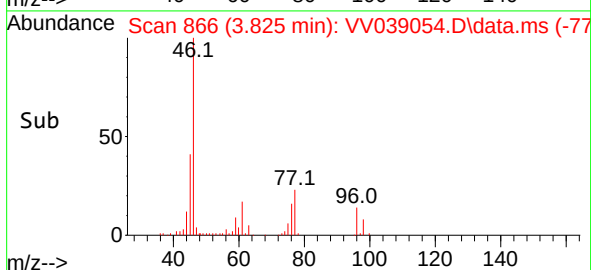
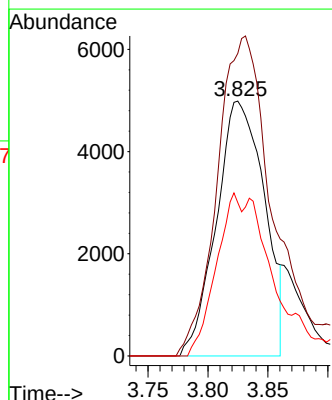
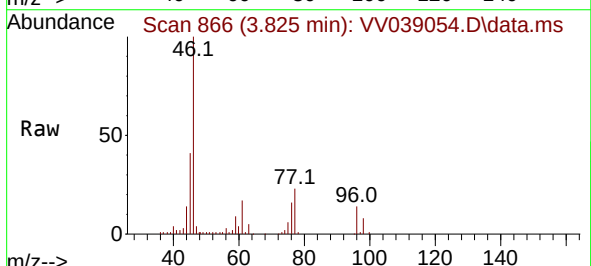
Tgt Ion: 96 Resp: 13877

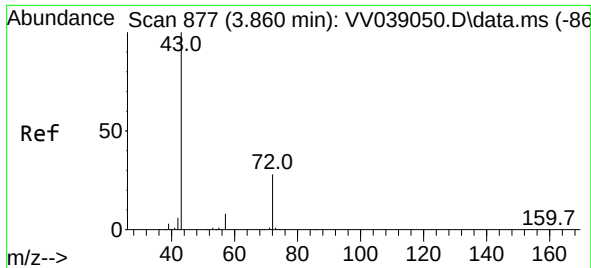
Ion Ratio Lower Upper

96 100

61 118.7 83.8 155.6

98 60.1 43.5 80.9

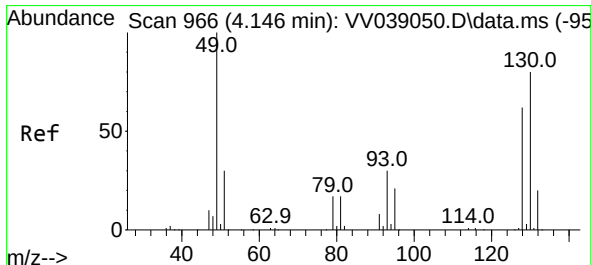
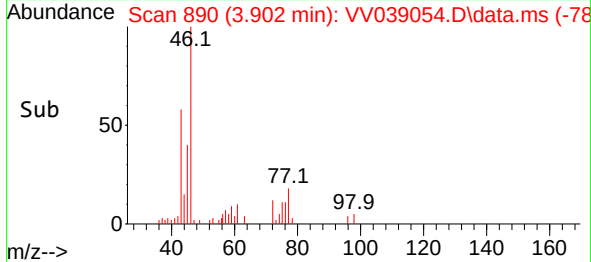
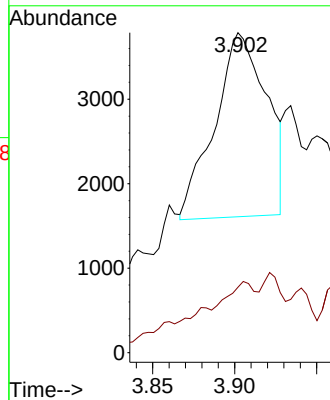
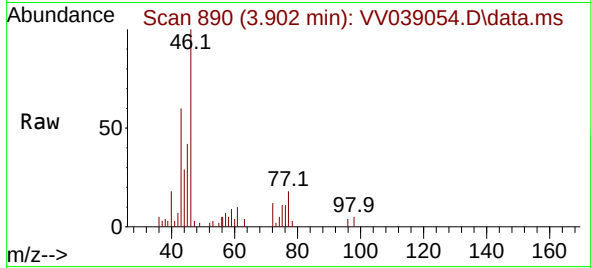




#22
2-Butanone
Concen: 1.037 ug/L
RT: 3.902 min Scan# 890
Delta R.T. 0.045 min
Lab File: VV039054.D
Acq: 12 Sep 2025 12:12

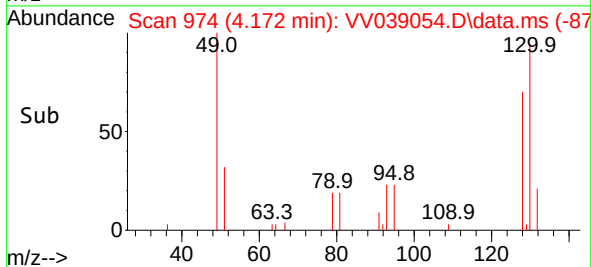
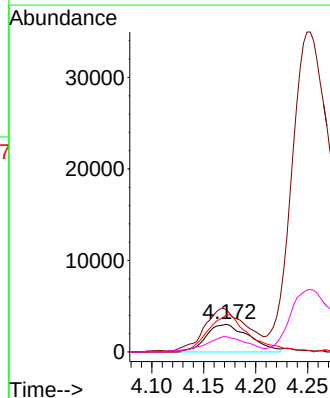
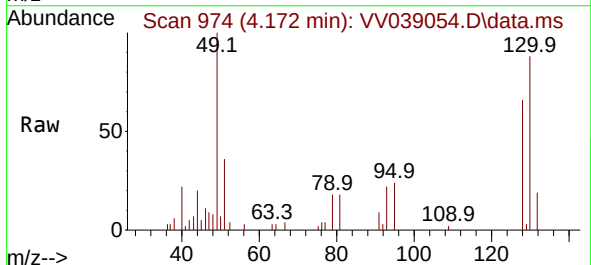
Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT3-2025-06

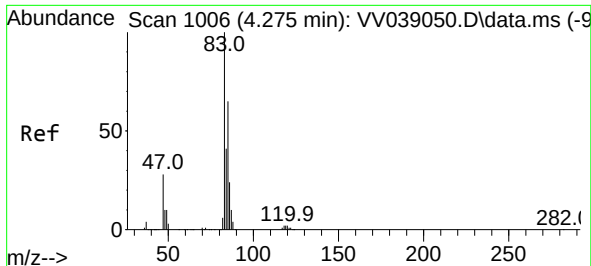
Tgt Ion: 43 Resp: 4809
Ion Ratio Lower Upper
43 100
72 25.8 13.2 39.5



#23
Bromochloromethane
Concen: 2.349 ug/L
RT: 4.172 min Scan# 974
Delta R.T. 0.026 min
Lab File: VV039054.D
Acq: 12 Sep 2025 12:12

Tgt Ion:128 Resp: 8701
Ion Ratio Lower Upper
128 100
49 151.7 108.4 201.4
130 133.9 89.1 165.5
51 54.6 40.2 60.2

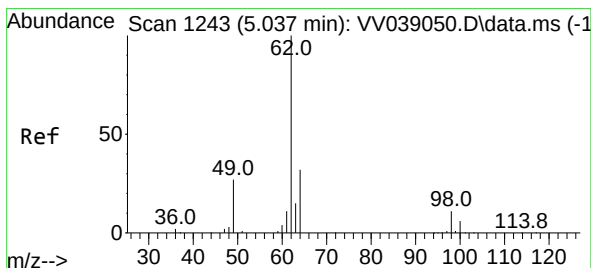
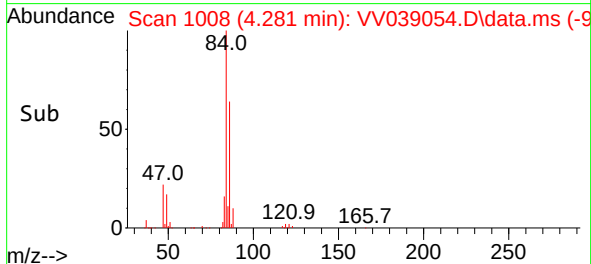
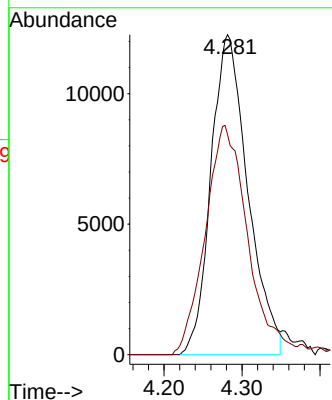
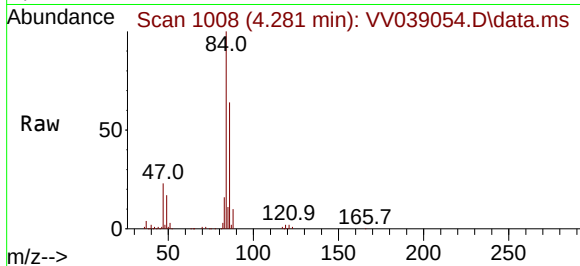




#25
Chloroform
Concen: 3.200 ug/L
RT: 4.281 min Scan# 1006
Delta R.T. 0.010 min
Lab File: VV039054.D
Acq: 12 Sep 2025 12:12

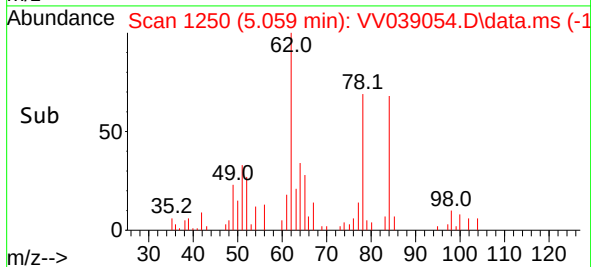
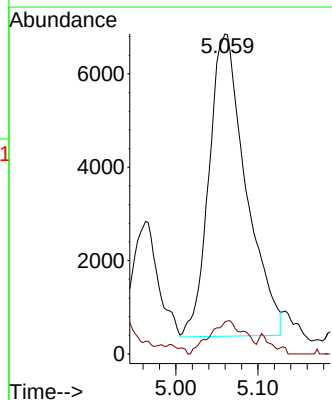
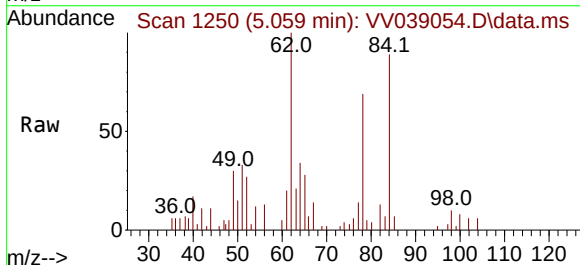
Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT3-2025-06

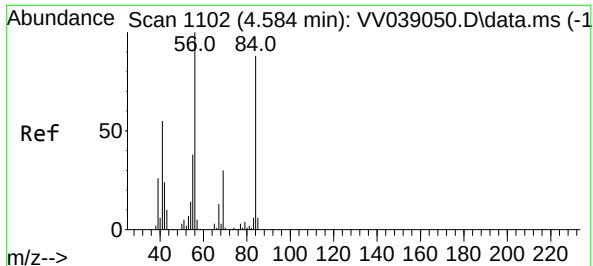
Tgt Ion: 83 Resp: 40268
Ion Ratio Lower Upper
83 100
85 68.8 46.1 85.5



#27
1,2-Dichloroethane
Concen: 2.207 ug/L
RT: 5.059 min Scan# 1250
Delta R.T. 0.026 min
Lab File: VV039054.D
Acq: 12 Sep 2025 12:12

Tgt Ion: 62 Resp: 20226
Ion Ratio Lower Upper
62 100
98 10.0 8.2 12.4

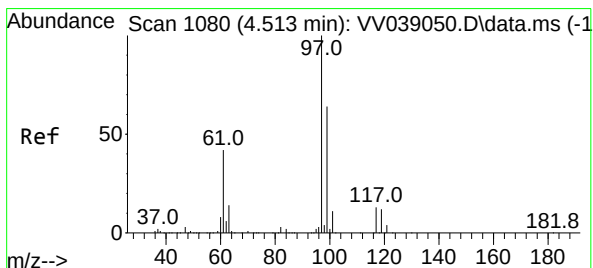
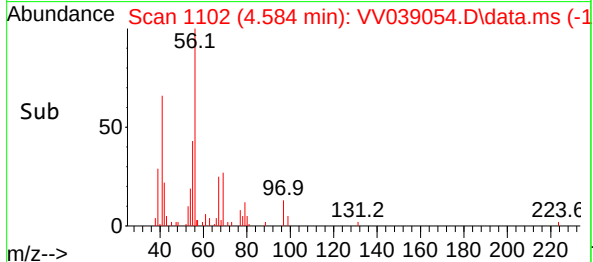
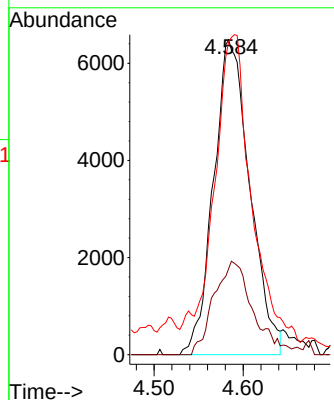
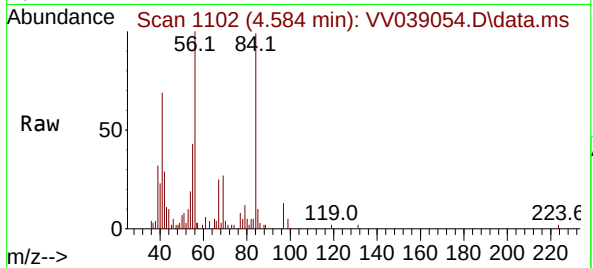




#29
Cyclohexane
Concen: 1.785 ug/L
RT: 4.584 min Scan# 1102
Delta R.T. 0.003 min
Lab File: VV039054.D
Acq: 12 Sep 2025 12:12

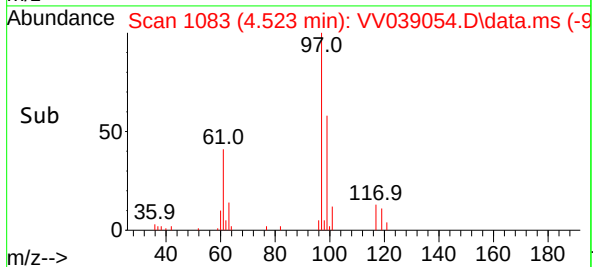
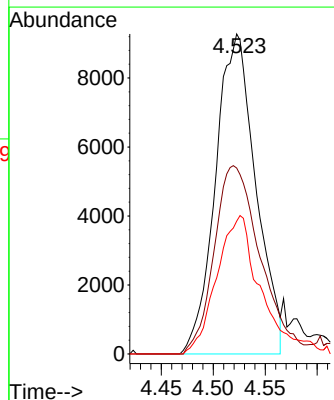
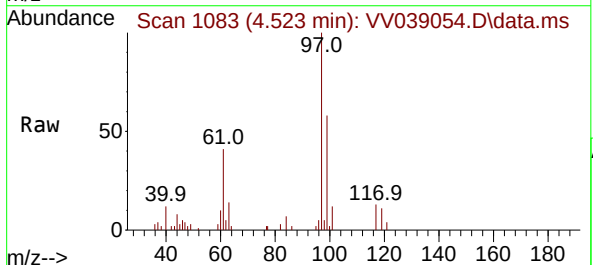
Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT3-2025-06

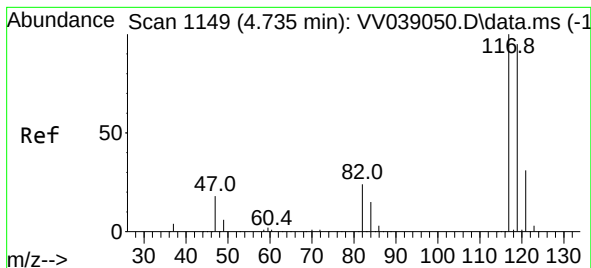
Tgt Ion: 56 Resp: 18413
Ion Ratio Lower Upper
56 100
69 28.8 25.1 37.7
84 89.8 73.0 109.4



#30
1,1,1-Trichloroethane
Concen: 2.233 ug/L
RT: 4.523 min Scan# 1083
Delta R.T. 0.013 min
Lab File: VV039054.D
Acq: 12 Sep 2025 12:12

Tgt Ion: 97 Resp: 24994
Ion Ratio Lower Upper
97 100
99 67.2 51.1 76.7
61 46.3 33.7 50.5





#31

Carbon tetrachloride

Concen: 2.109 ug/L

RT: 4.741 min Scan# 1149

Delta R.T. 0.010 min

Lab File: VV039054.D

Acq: 12 Sep 2025 12:12

Instrument :

MSVOA_V

ClientSampleId :

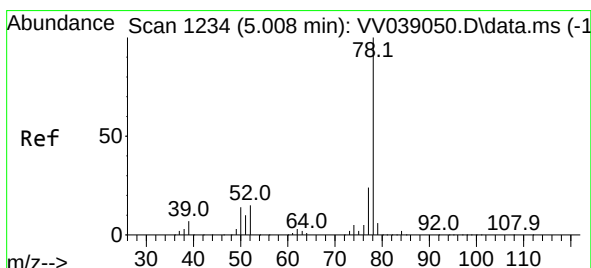
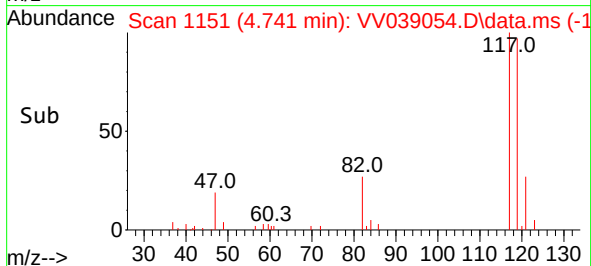
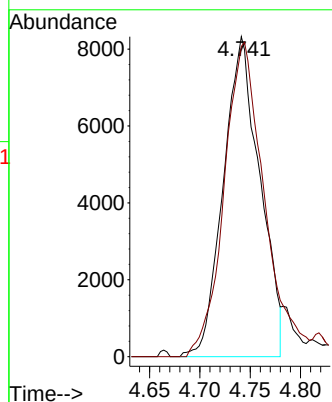
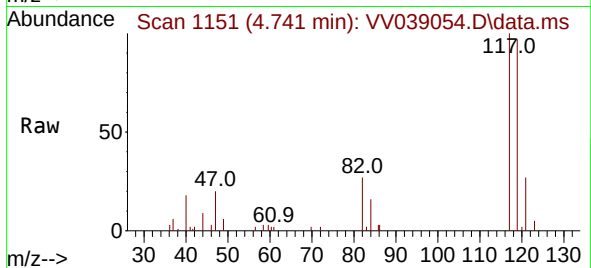
MDL-WATER-QT3-2025-06

Tgt Ion:117 Resp: 20997

Ion Ratio Lower Upper

117 100

119 108.0 76.2 114.4



#33

Benzene

Concen: 2.302 ug/L

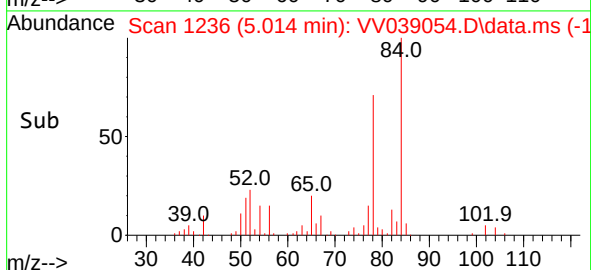
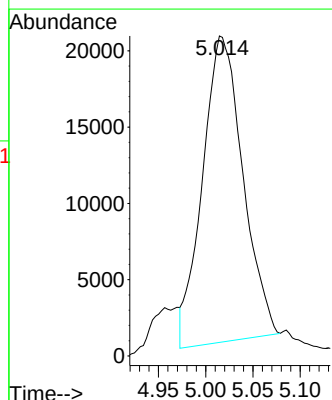
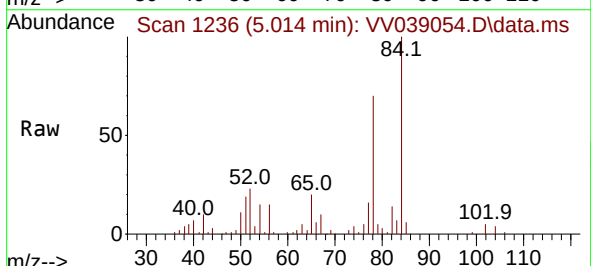
RT: 5.014 min Scan# 1236

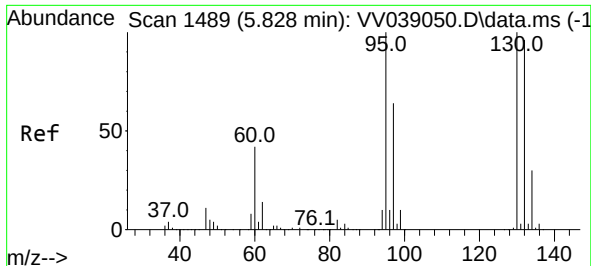
Delta R.T. 0.010 min

Lab File: VV039054.D

Acq: 12 Sep 2025 12:12

Tgt Ion: 78 Resp: 59576

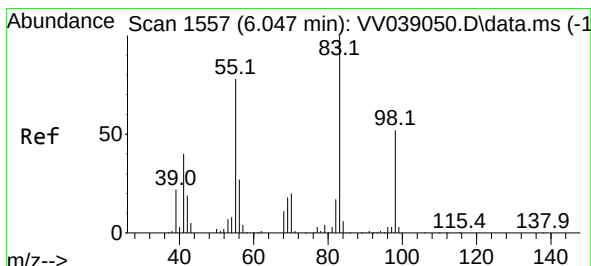
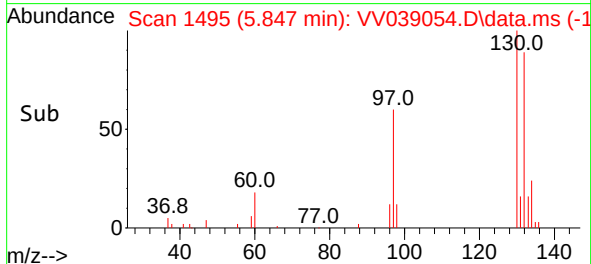
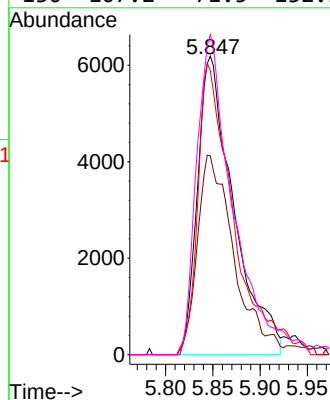
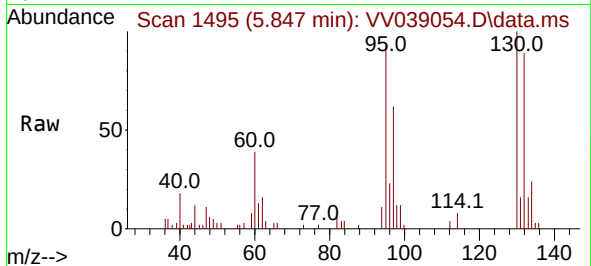




#34
Trichloroethene
Concen: 2.338 ug/L
RT: 5.847 min Scan# 1489
Delta R.T. 0.023 min
Lab File: VV039054.D
Acq: 12 Sep 2025 12:12

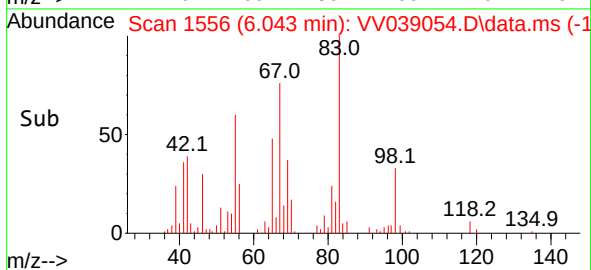
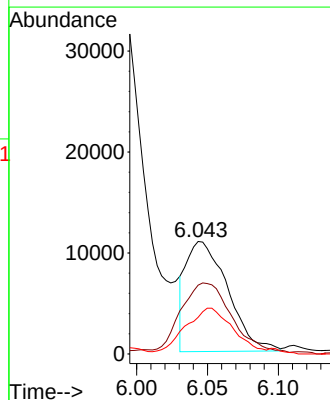
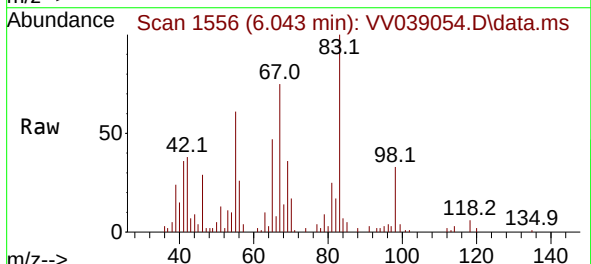
Instrument : MSVOA_V
ClientSampleId : MDL-WATER-QT3-2025-06

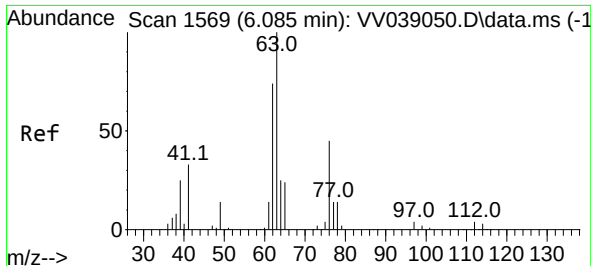
Tgt Ion:	95	Resp:	16399
Ion	Ratio	Lower	Upper
95	100		
97	66.6	45.4	84.2
132	95.2	69.9	129.7
130	107.2	71.5	132.9



#35
Methylcyclohexane
Concen: 1.987 ug/L
RT: 6.043 min Scan# 1556
Delta R.T. 0.000 min
Lab File: VV039054.D
Acq: 12 Sep 2025 12:12

Tgt Ion:	83	Resp:	22303
Ion	Ratio	Lower	Upper
83	100		
55	79.6	59.0	88.6
98	47.8	37.7	56.5





#37

1,2-Dichloropropane

Concen: 2.015 ug/L

RT: 6.098 min Scan# 1

Delta R.T. 0.013 min

Lab File: VV039054.D

Acq: 12 Sep 2025 12:12

Instrument :

MSVOA_V

ClientSampleId :

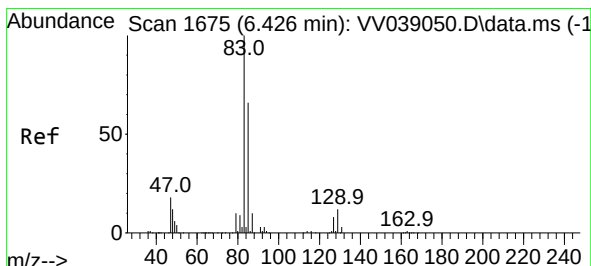
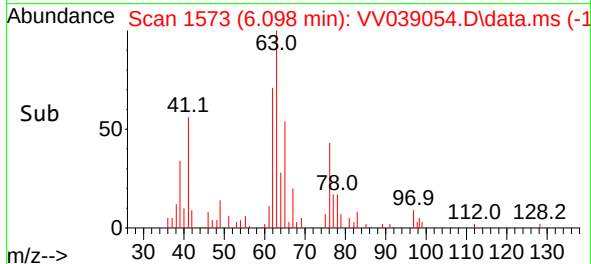
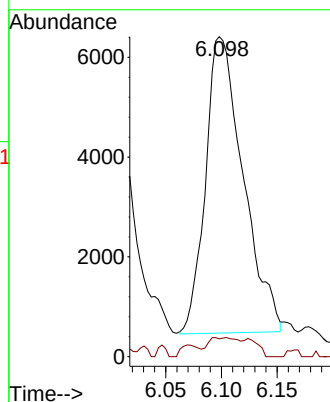
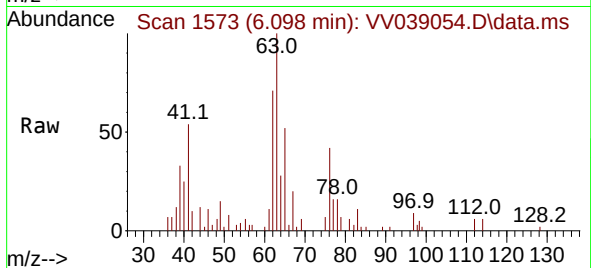
MDL-WATER-QT3-2025-06

Tgt Ion: 63 Resp: 13958

Ion Ratio Lower Upper

63 100

112 1.1 3.6 5.4#



#38

Bromodichloromethane

Concen: 2.310 ug/L

RT: 6.439 min Scan# 1679

Delta R.T. 0.016 min

Lab File: VV039054.D

Acq: 12 Sep 2025 12:12

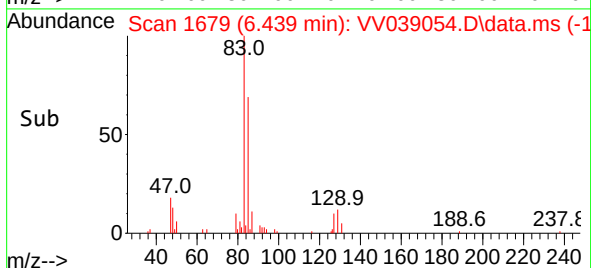
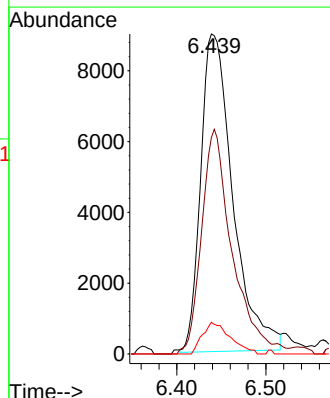
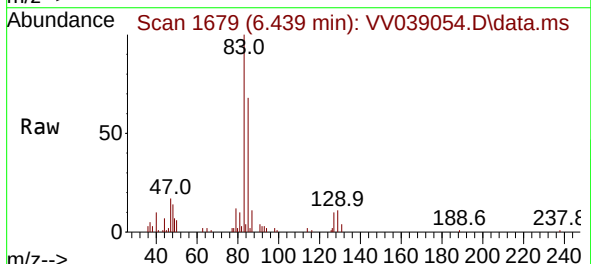
Tgt Ion: 83 Resp: 22521

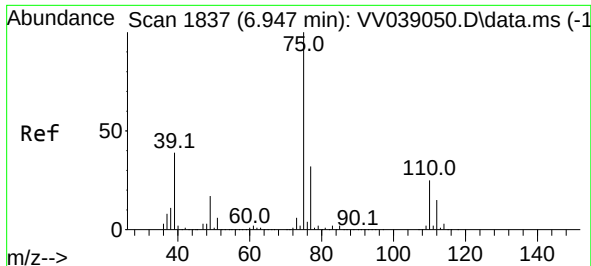
Ion Ratio Lower Upper

83 100

85 67.7 43.5 80.7

127 9.9 6.4 9.6#





#39

cis-1,3-Dichloropropene

Concen: 2.069 ug/L

RT: 6.966 min Scan# 11

Delta R.T. 0.023 min

Lab File: VV039054.D

Acq: 12 Sep 2025 12:12

Instrument :

MSVOA_V

ClientSampleId :

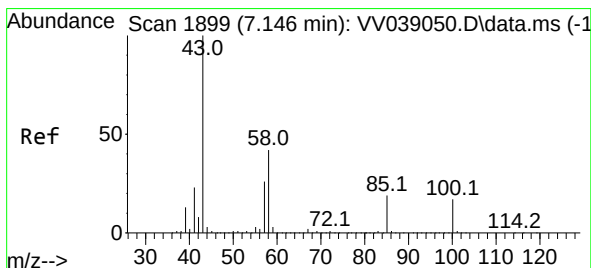
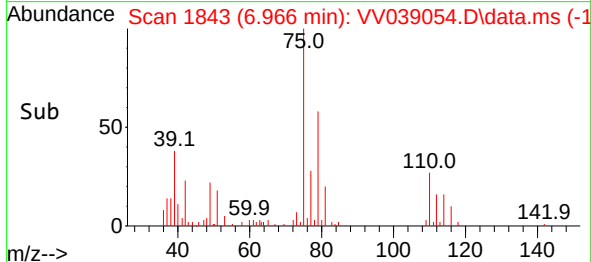
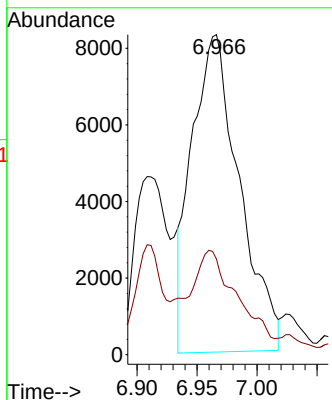
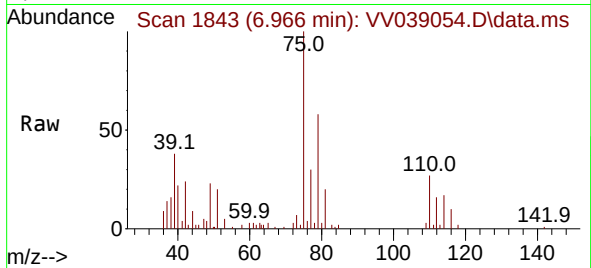
MDL-WATER-QT3-2025-06

Tgt Ion: 75 Resp: 22844

Ion Ratio Lower Upper

75 100

77 29.9 22.5 41.7



#40

4-Methyl-2-pentanone

Concen: 3.324 ug/L

RT: 7.162 min Scan# 1904

Delta R.T. 0.019 min

Lab File: VV039054.D

Acq: 12 Sep 2025 12:12

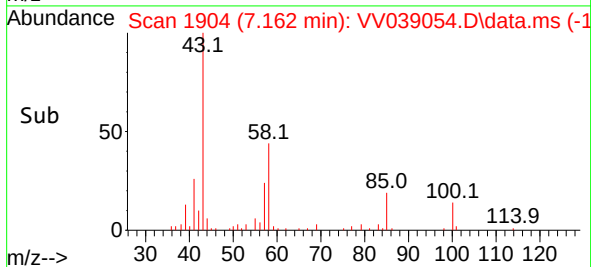
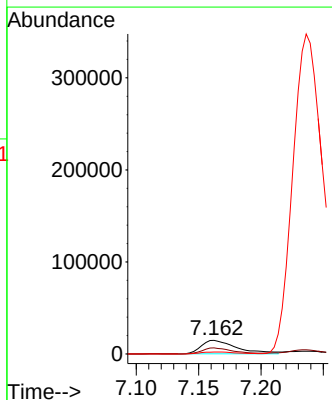
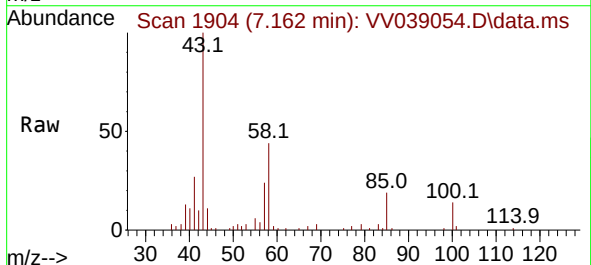
Tgt Ion: 43 Resp: 29213

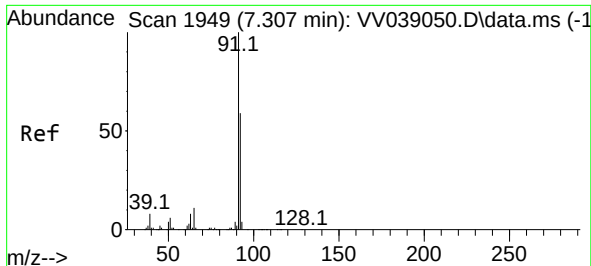
Ion Ratio Lower Upper

43 100

58 39.0 32.6 48.8

100 14.9 12.7 19.1





#42

Toluene

Concen: 2.173 ug/L

RT: 7.320 min Scan# 1949

Delta R.T. 0.016 min

Lab File: VV039054.D

Acq: 12 Sep 2025 12:12

Instrument :

MSVOA_V

ClientSampleId :

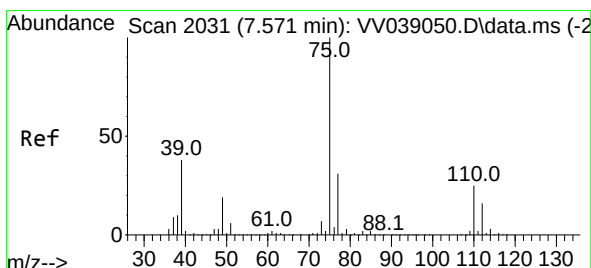
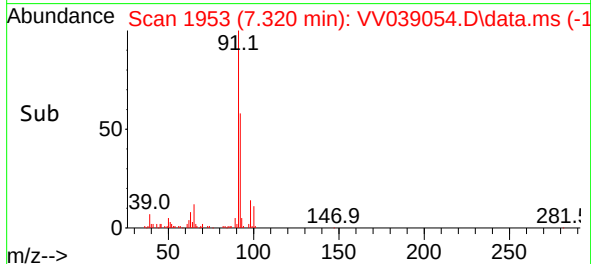
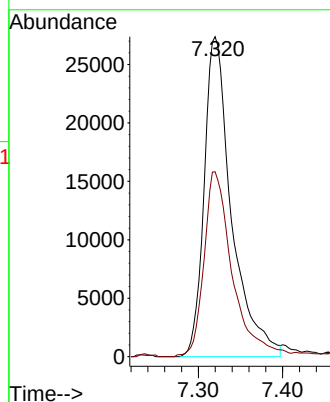
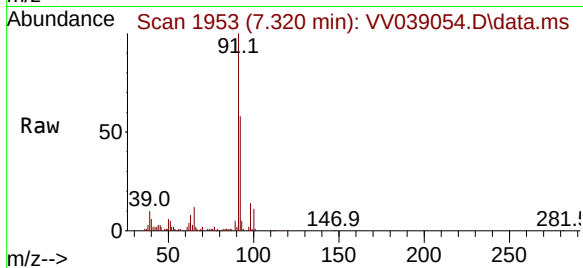
MDL-WATER-QT3-2025-06

Tgt Ion: 91 Resp: 61979

Ion Ratio Lower Upper

91 100

92 57.8 40.9 75.9



#44

trans-1,3-Dichloropropene

Concen: 1.978 ug/L

RT: 7.587 min Scan# 2036

Delta R.T. 0.016 min

Lab File: VV039054.D

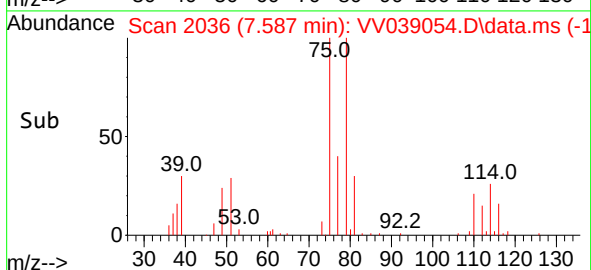
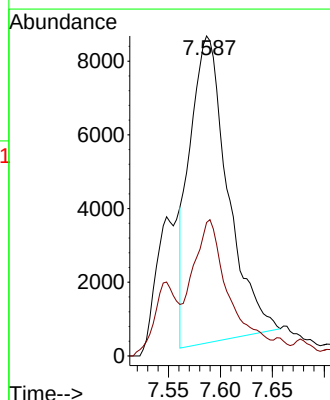
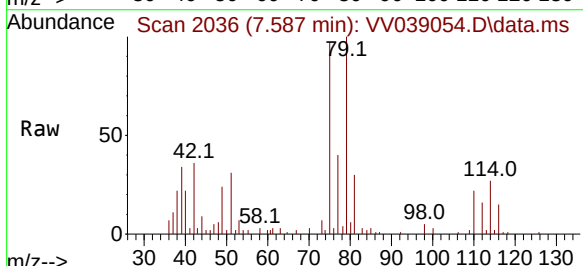
Acq: 12 Sep 2025 12:12

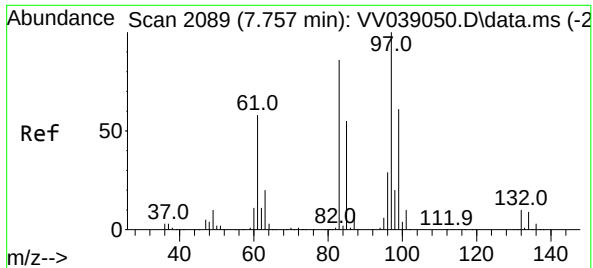
Tgt Ion: 75 Resp: 21062

Ion Ratio Lower Upper

75 100

77 41.7 21.6 40.2#

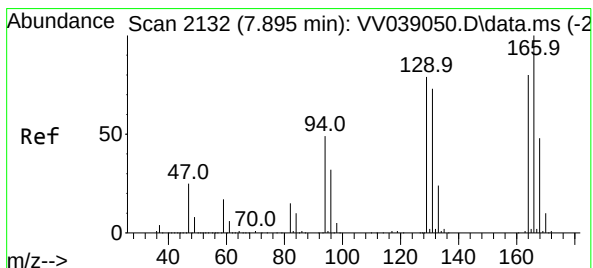
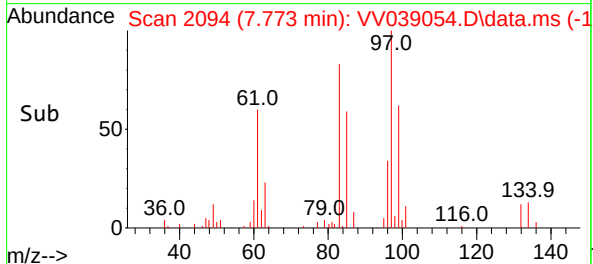
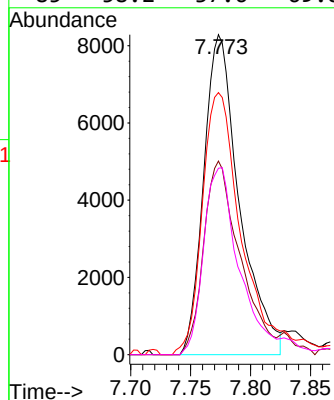
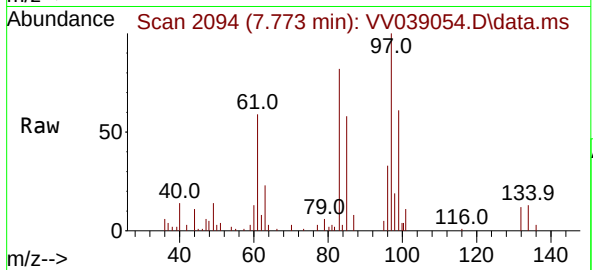




#45
1,1,2-Trichloroethane
Concen: 2.340 ug/L
RT: 7.773 min Scan# 2089
Delta R.T. 0.016 min
Lab File: VV039054.D
Acq: 12 Sep 2025 12:12

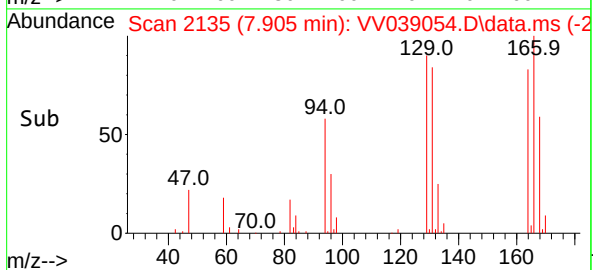
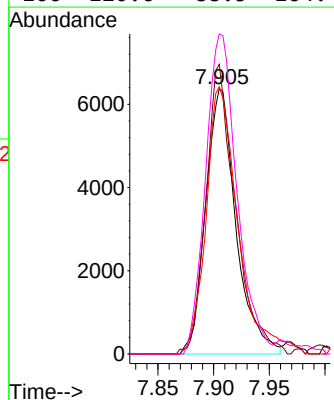
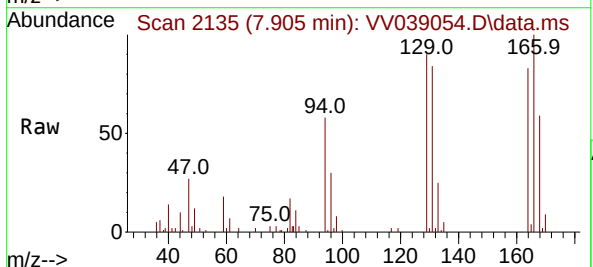
Instrument : MSVOA_V
ClientSampleId : MDL-WATER-QT3-2025-06

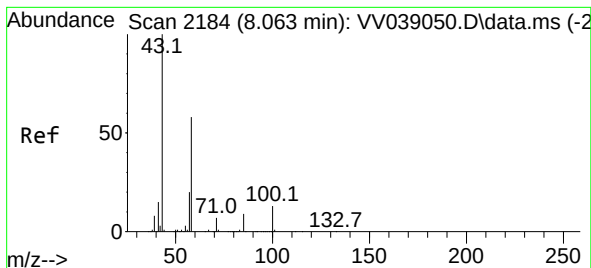
Tgt Ion:	97	Resp:	17158
Ion	Ratio	Lower	Upper
97	100		
99	60.5	42.3	78.5
83	81.9	59.4	110.2
85	58.2	37.6	69.8



#46
Tetrachloroethene
Concen: 2.221 ug/L
RT: 7.905 min Scan# 2135
Delta R.T. 0.010 min
Lab File: VV039054.D
Acq: 12 Sep 2025 12:12

Tgt Ion:	164	Resp:	12085
Ion	Ratio	Lower	Upper
164	100		
129	109.2	67.0	124.4
131	100.8	65.6	121.8
166	120.6	88.5	164.4





#48

2-Hexanone

Concen: 4.820 ug/L

RT: 8.079 min Scan# 2184

Delta R.T. 0.019 min

Lab File: VV039054.D

Acq: 12 Sep 2025 12:12

Instrument :

MSVOA_V

ClientSampleId :

MDL-WATER-QT3-2025-06

Tgt Ion: 43 Resp: 29550

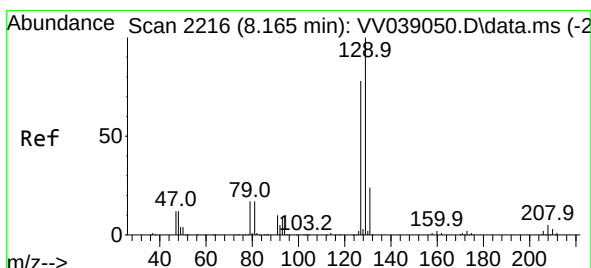
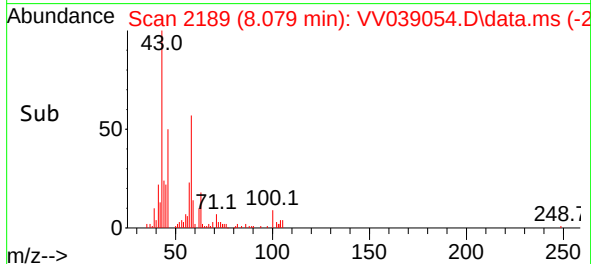
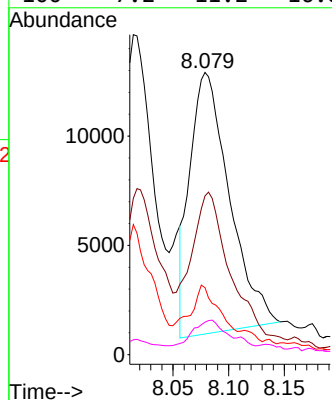
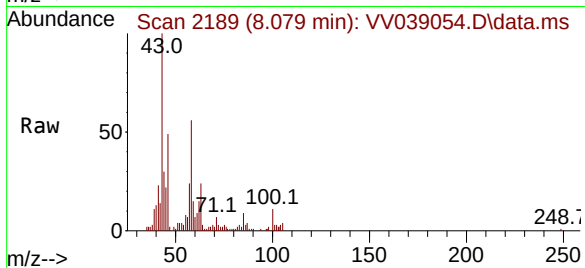
Ion Ratio Lower Upper

43 100

58 60.2 46.3 69.5

57 10.4 15.8 23.6#

100 7.2 11.2 16.8#



#49

Dibromochloromethane

Concen: 2.356 ug/L

RT: 8.172 min Scan# 2218

Delta R.T. 0.007 min

Lab File: VV039054.D

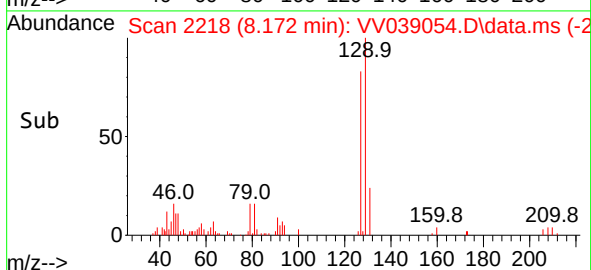
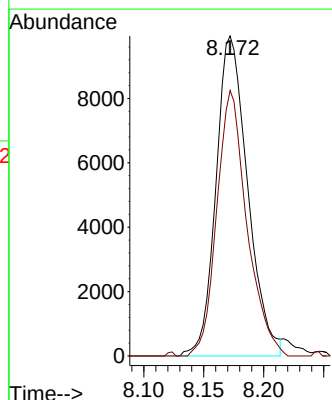
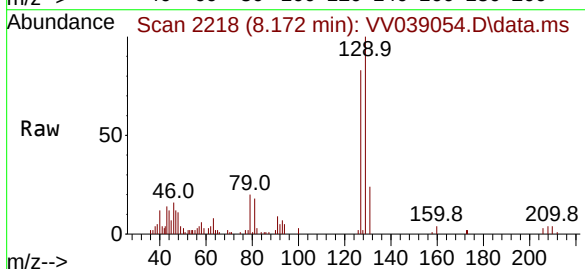
Acq: 12 Sep 2025 12:12

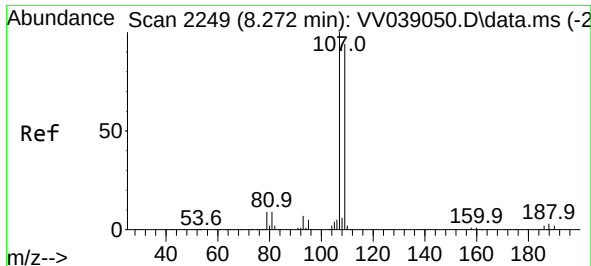
Tgt Ion: 129 Resp: 18258

Ion Ratio Lower Upper

129 100

127 82.9 53.8 100.0

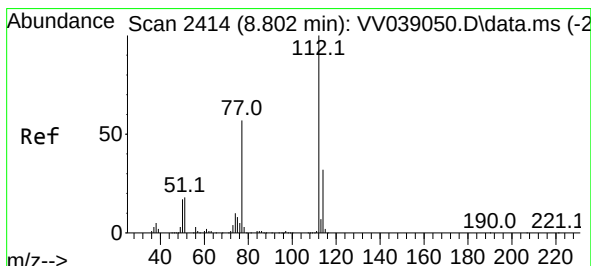
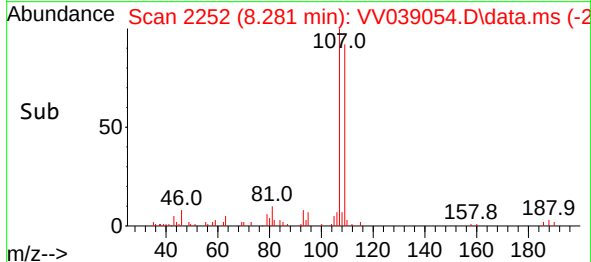
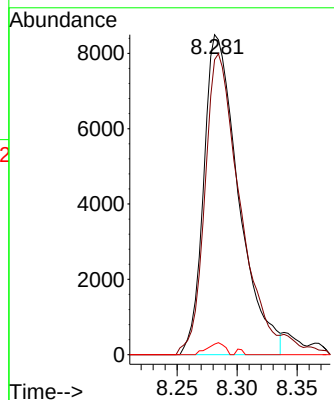
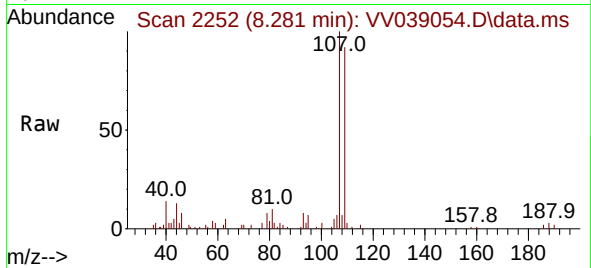




#50
1,2-Dibromoethane
Concen: 2.243 ug/L
RT: 8.281 min Scan# 211
Delta R.T. 0.013 min
Lab File: VV039054.D
Acq: 12 Sep 2025 12:12

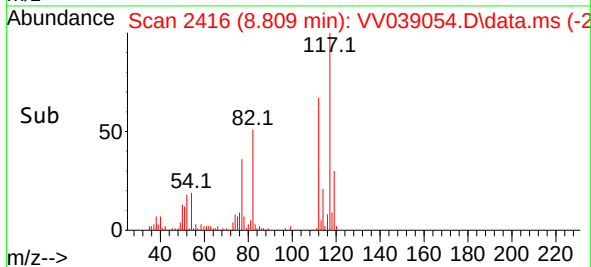
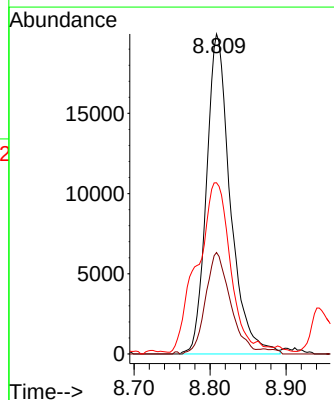
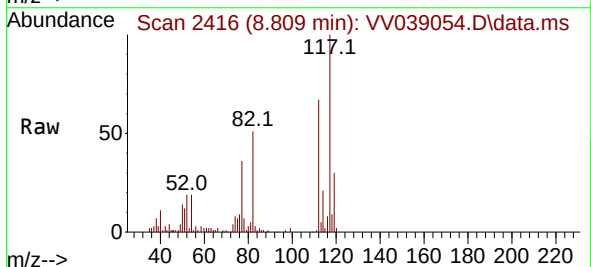
Instrument : MSVOA_V
ClientSampleId : MDL-WATER-QT3-2025-06

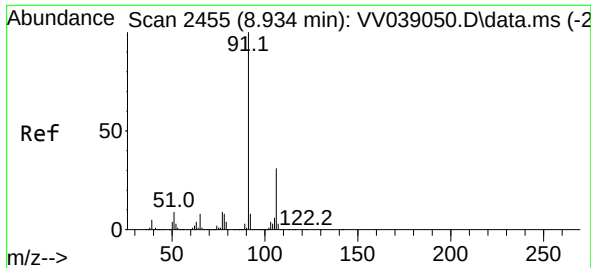
Tgt Ion:	107	Resp:	17179
Ion	Ratio	Lower	Upper
107	100		
109	92.2	66.1	122.8
188	3.3	2.6	4.0



#51
Chlorobenzene
Concen: 2.347 ug/L
RT: 8.809 min Scan# 2416
Delta R.T. 0.007 min
Lab File: VV039054.D
Acq: 12 Sep 2025 12:12

Tgt Ion:	112	Resp:	43475
Ion	Ratio	Lower	Upper
112	100		
114	31.7	22.3	41.3
77	53.5	45.5	68.3

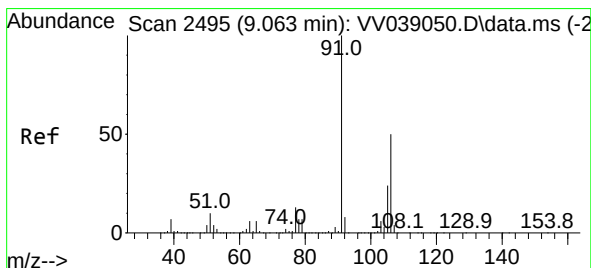
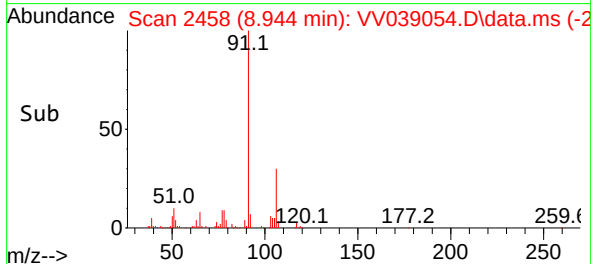
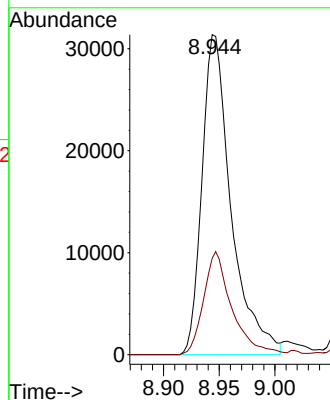
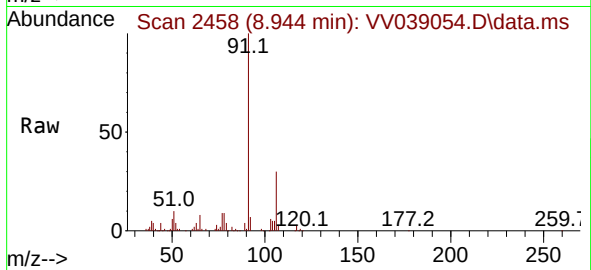




#52
Ethylbenzene
Concen: 1.905 ug/L
RT: 8.944 min Scan# 2455
Delta R.T. 0.010 min
Lab File: VV039054.D
Acq: 12 Sep 2025 12:12

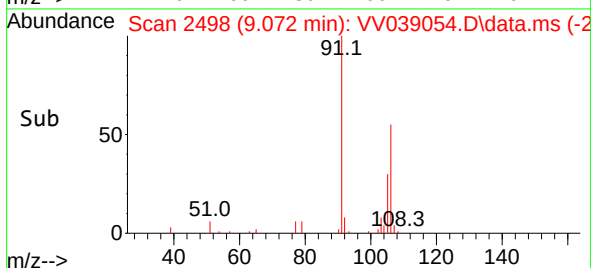
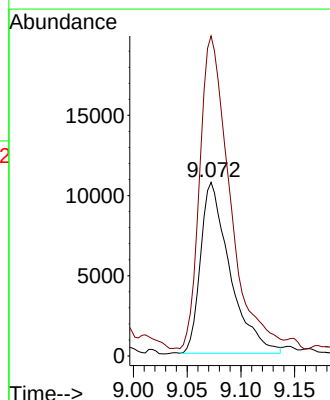
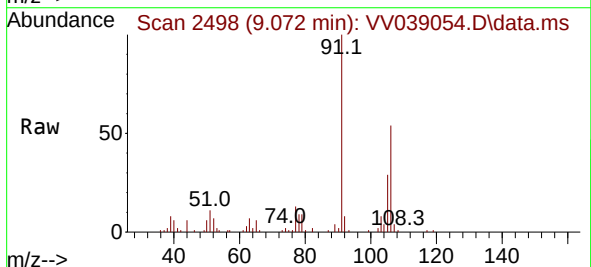
Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT3-2025-06

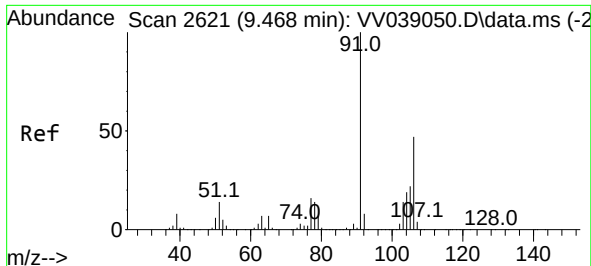
Tgt Ion: 91 Resp: 57160
Ion Ratio Lower Upper
91 100
106 30.2 21.7 40.3



#53
m,p-Xylene
Concen: 1.768 ug/L
RT: 9.072 min Scan# 2498
Delta R.T. 0.013 min
Lab File: VV039054.D
Acq: 12 Sep 2025 12:12

Tgt Ion:106 Resp: 20300
Ion Ratio Lower Upper
106 100
91 184.3 142.0 263.8

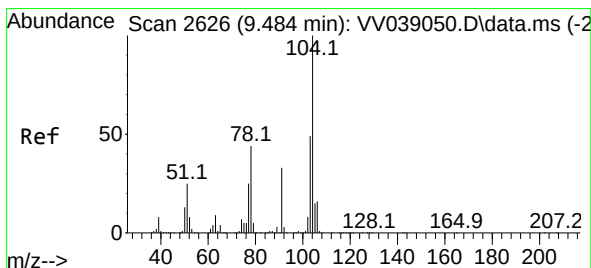
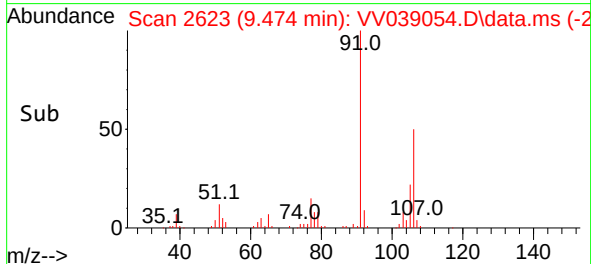
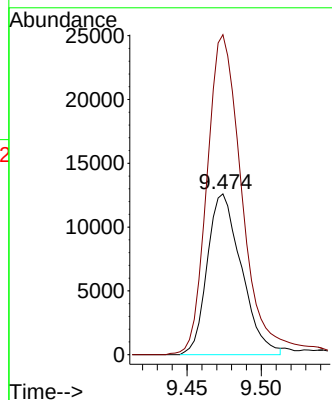
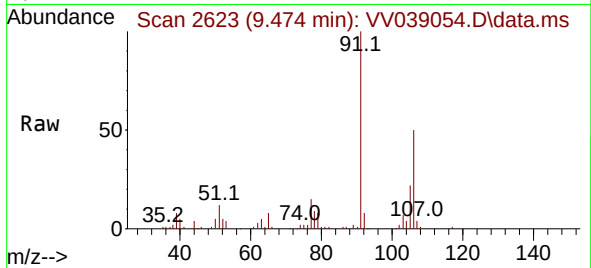




#54
o-Xylene
Concen: 1.896 ug/L
RT: 9.474 min Scan# 2623
Delta R.T. 0.010 min
Lab File: VV039054.D
Acq: 12 Sep 2025 12:12

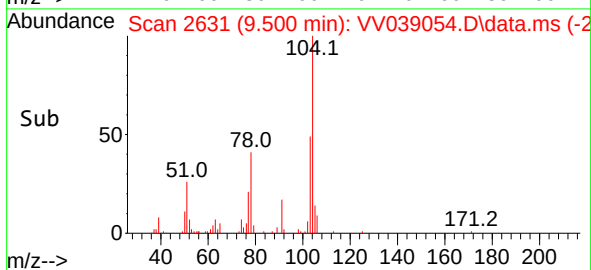
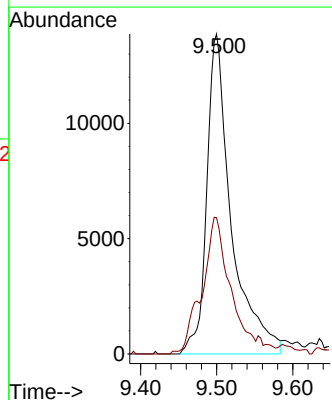
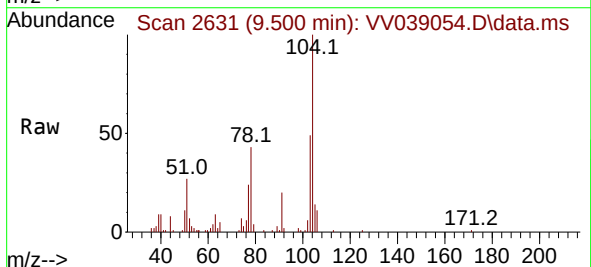
Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT3-2025-06

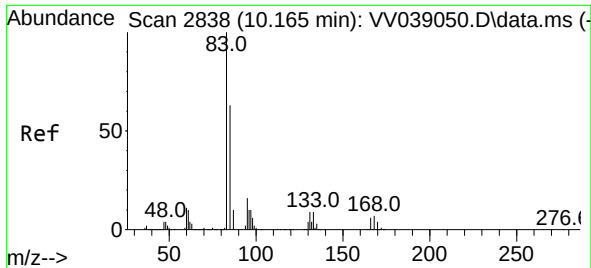
Tgt Ion:106 Resp: 20159
Ion Ratio Lower Upper
106 100
91 198.9 149.1 276.9



#55
Styrene
Concen: 1.655 ug/L
RT: 9.500 min Scan# 2631
Delta R.T. 0.016 min
Lab File: VV039054.D
Acq: 12 Sep 2025 12:12

Tgt Ion:104 Resp: 31083
Ion Ratio Lower Upper
104 100
78 42.6 30.3 56.3

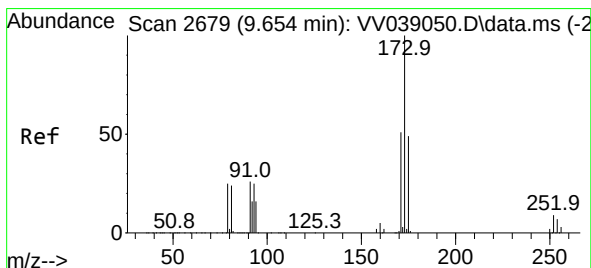
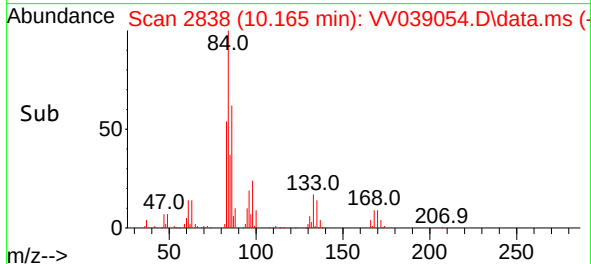
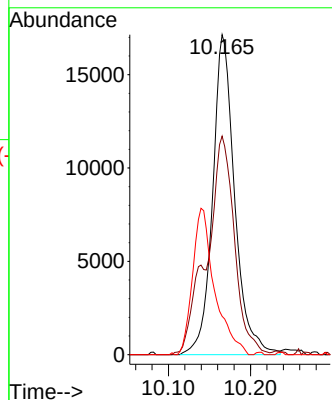
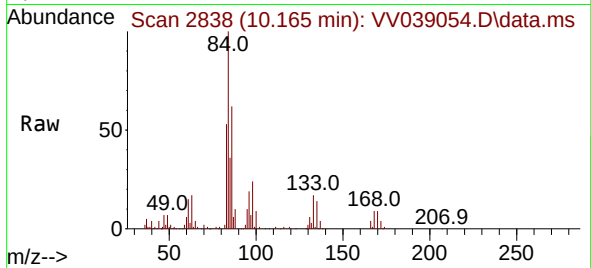




#57
 1,1,2,2-Tetrachloroethane
 Concen: 2.716 ug/L
 RT: 10.165 min Scan# 21
 Delta R.T. 0.003 min
 Lab File: VV039054.D
 Acq: 12 Sep 2025 12:12

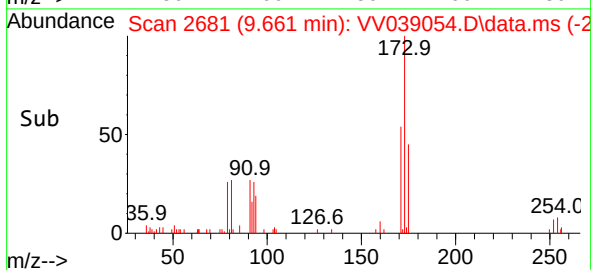
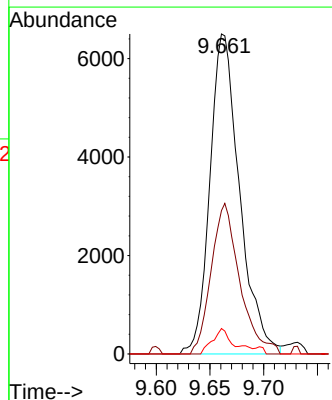
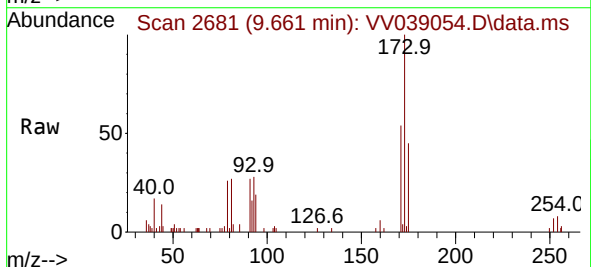
Instrument :
 MSVOA_V
 ClientSampleId :
 MDL-WATER-QT3-2025-06

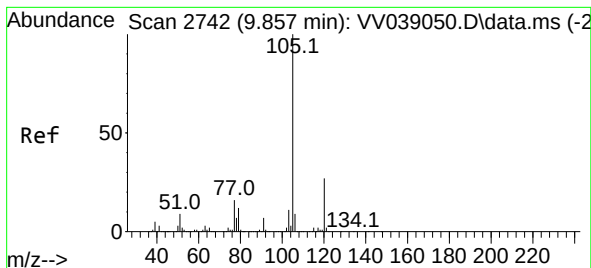
Tgt Ion:	83	Resp:	32115
Ion	Ratio	Lower	Upper
83	100		
85	68.3	44.8	83.2
131	12.0	7.6	11.4



#59
 Bromoform
 Concen: 2.612 ug/L
 RT: 9.661 min Scan# 2681
 Delta R.T. 0.010 min
 Lab File: VV039054.D
 Acq: 12 Sep 2025 12:12

Tgt Ion:	173	Resp:	12480
Ion	Ratio	Lower	Upper
173	100		
175	45.2	38.9	58.3
254	4.5	5.9	8.9





#60

Isopropylbenzene

Concen: 1.945 ug/L

RT: 9.860 min Scan# 21

Delta R.T. 0.003 min

Lab File: VV039054.D

Acq: 12 Sep 2025 12:12

Instrument :

MSVOA_V

ClientSampleId :

MDL-WATER-QT3-2025-06

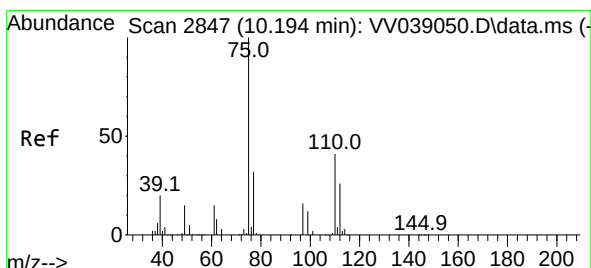
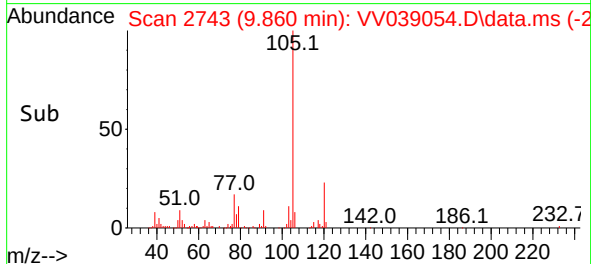
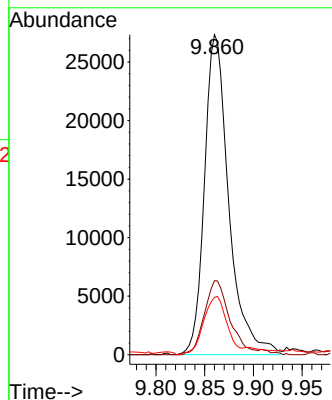
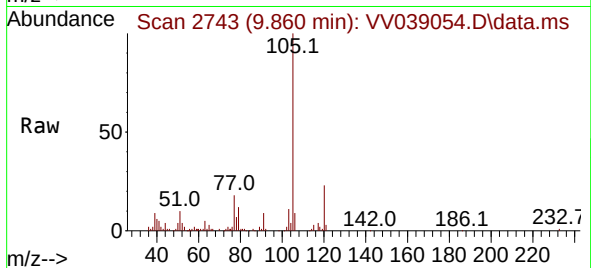
Tgt Ion:105 Resp: 47455

Ion Ratio Lower Upper

105 100

120 24.1 21.0 31.4

77 17.5 12.2 18.4



#61

1,2,3-Trichloropropane

Concen: 2.948 ug/L

RT: 10.201 min Scan# 2849

Delta R.T. 0.007 min

Lab File: VV039054.D

Acq: 12 Sep 2025 12:12

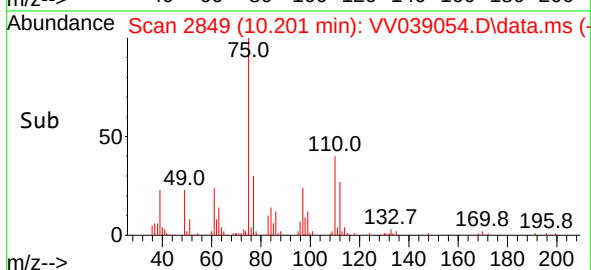
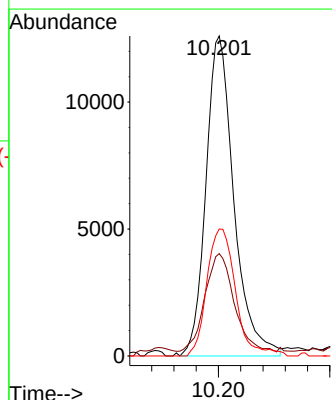
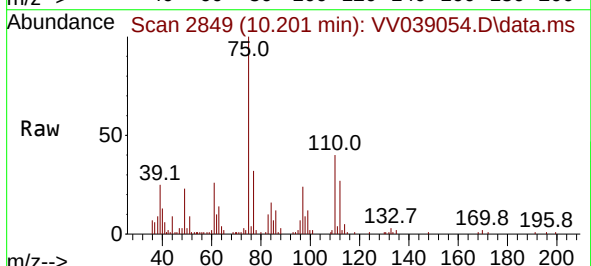
Tgt Ion: 75 Resp: 21965

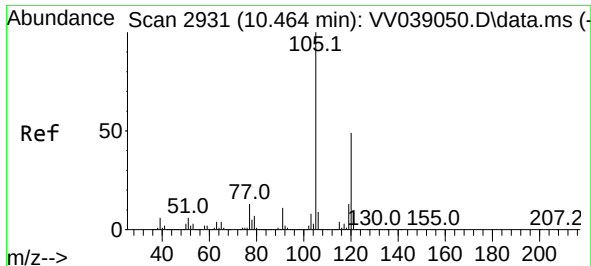
Ion Ratio Lower Upper

75 100

77 31.4 25.8 38.6

110 40.0 32.4 48.6

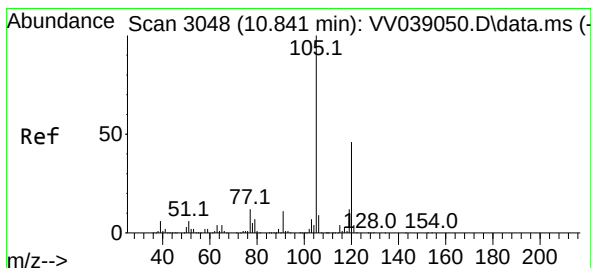
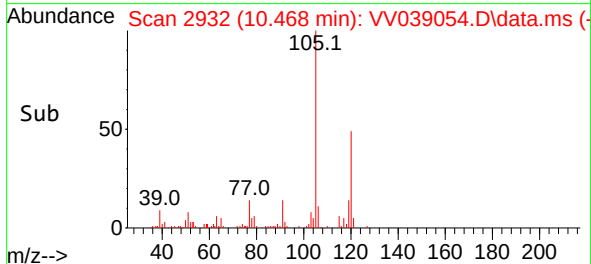
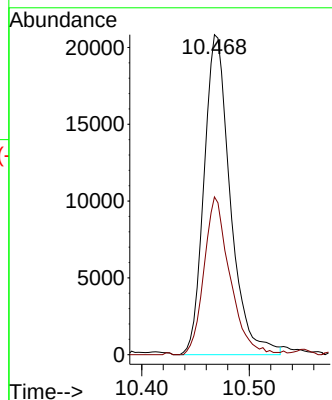
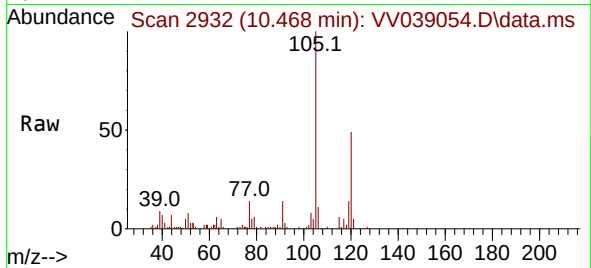




#62
 1,3,5-Trimethylbenzene
 Concen: 1.854 ug/L
 RT: 10.468 min Scan# 2931
 Delta R.T. 0.003 min
 Lab File: VV039054.D
 Acq: 12 Sep 2025 12:12

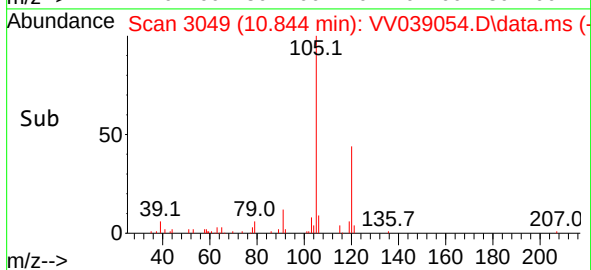
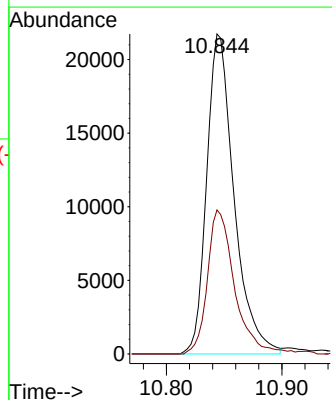
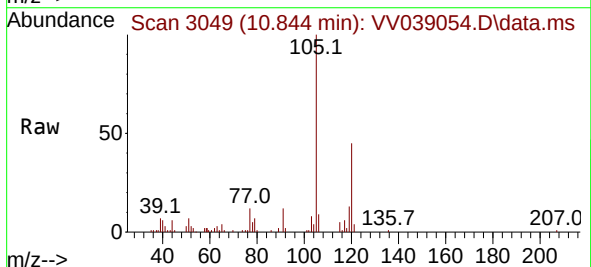
Instrument :
 MSVOA_V
 ClientSampleId :
 MDL-WATER-QT3-2025-06

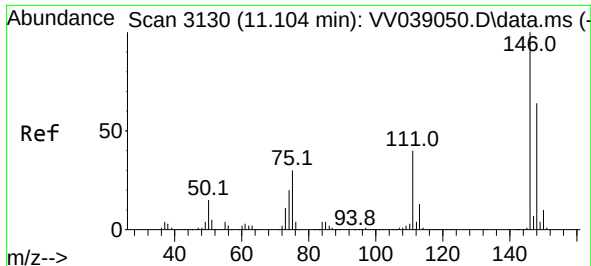
Tgt Ion:105 Resp: 35377
 Ion Ratio Lower Upper
 105 100
 120 47.8 39.2 58.8



#63
 1,2,4-Trimethylbenzene
 Concen: 1.892 ug/L
 RT: 10.844 min Scan# 3049
 Delta R.T. 0.007 min
 Lab File: VV039054.D
 Acq: 12 Sep 2025 12:12

Tgt Ion:105 Resp: 35781
 Ion Ratio Lower Upper
 105 100
 120 44.4 36.1 54.1

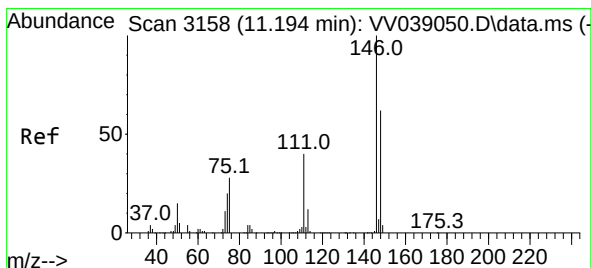
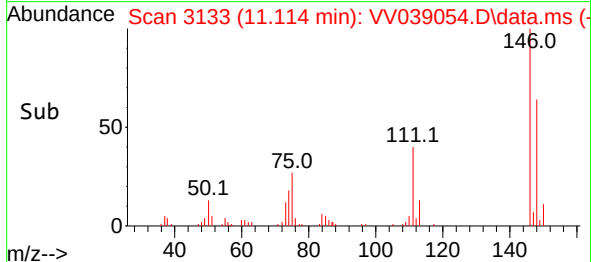
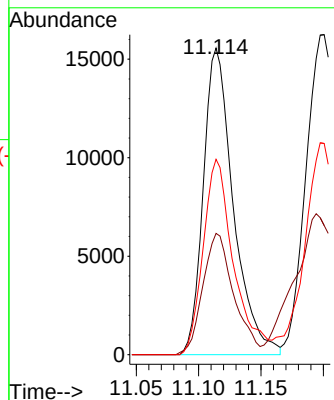
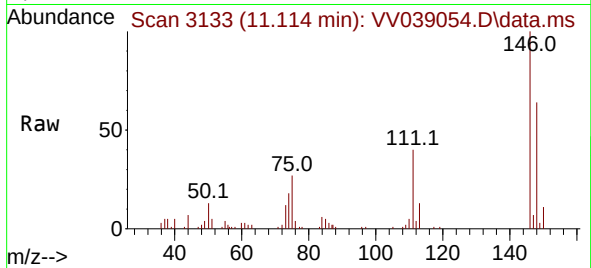




#64
1,3-Dichlorobenzene
Concen: 2.247 ug/L
RT: 11.114 min Scan# 3110
Delta R.T. 0.010 min
Lab File: VV039054.D
Acq: 12 Sep 2025 12:12

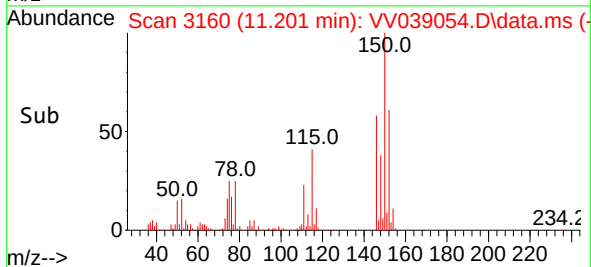
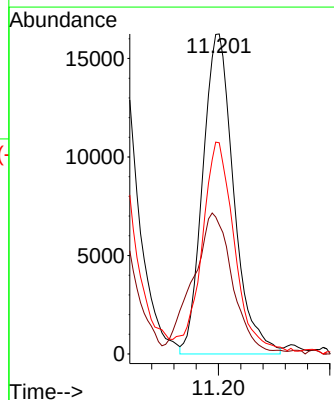
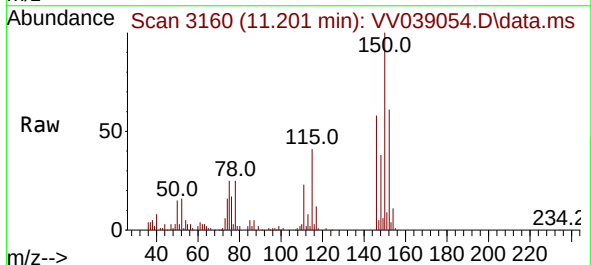
Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT3-2025-06

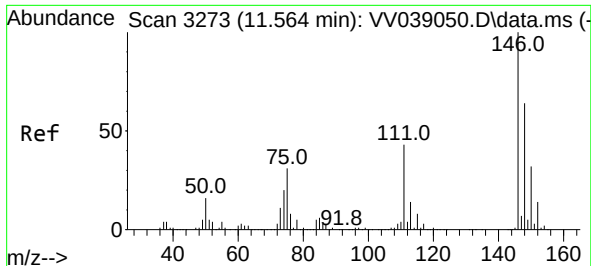
Tgt Ion:146	Resp:	26107
Ion	Ratio	Lower Upper
146	100	
111	39.6	28.3 52.5
148	63.7	44.9 83.5



#65
1,4-Dichlorobenzene
Concen: 2.525 ug/L
RT: 11.201 min Scan# 3160
Delta R.T. 0.007 min
Lab File: VV039054.D
Acq: 12 Sep 2025 12:12

Tgt Ion:146	Resp:	31400
Ion	Ratio	Lower Upper
146	100	
111	40.4	27.0 50.2
148	66.0	44.0 81.6





#67

1,2-Dichlorobenzene

Concen: 2.785 ug/L

RT: 11.567 min Scan# 31

Delta R.T. 0.003 min

Lab File: VV039054.D

Acq: 12 Sep 2025 12:12

Instrument :

MSVOA_V

ClientSampleId :

MDL-WATER-QT3-2025-06

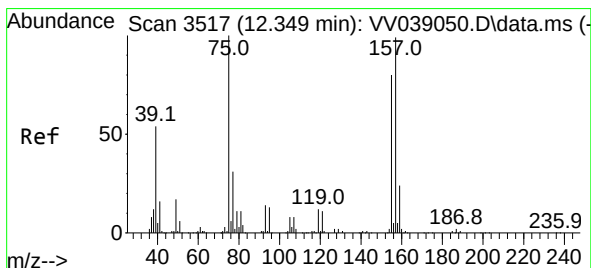
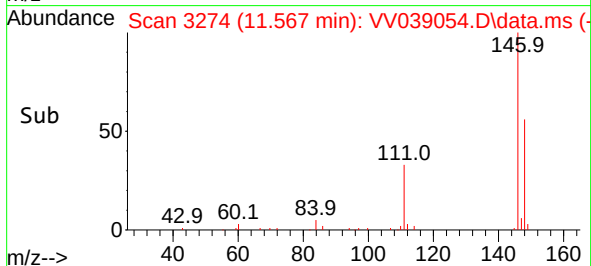
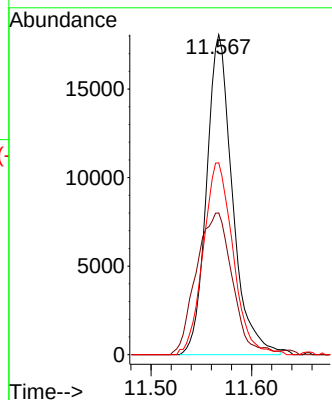
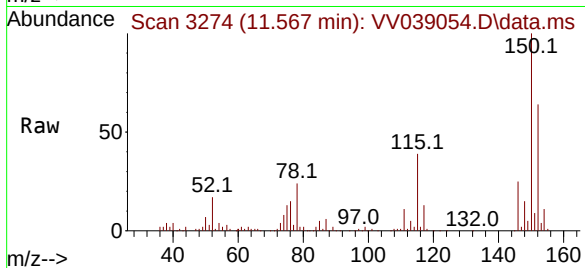
Tgt Ion:146 Resp: 32357

Ion Ratio Lower Upper

146 100

111 44.3 33.4 50.2

148 59.9 50.4 75.6



#68

1,2-Dibromo-3-chloropropane

Concen: 2.754 ug/L

RT: 12.358 min Scan# 3520

Delta R.T. 0.007 min

Lab File: VV039054.D

Acq: 12 Sep 2025 12:12

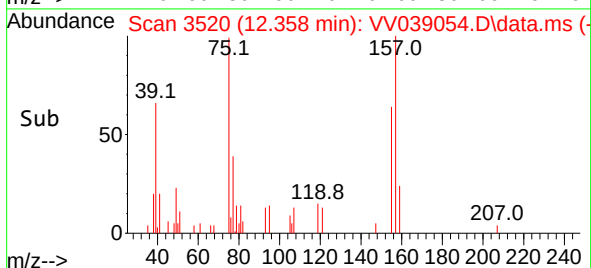
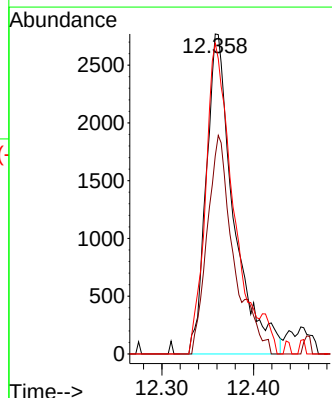
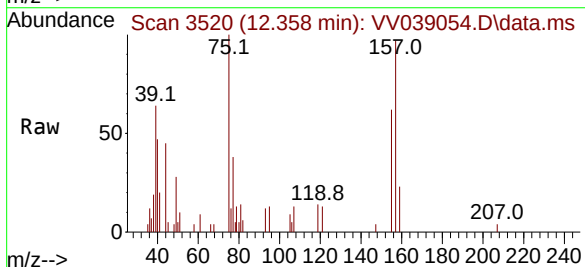
Tgt Ion: 75 Resp: 5761

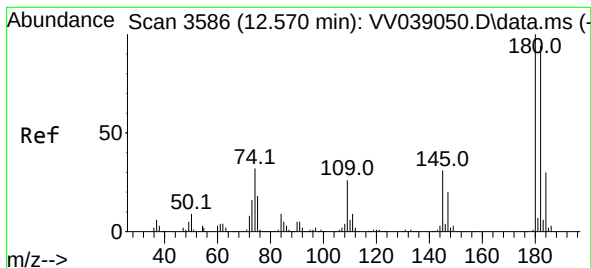
Ion Ratio Lower Upper

75 100

155 61.9 63.7 95.5#

157 97.0 82.2 123.2





#69

1,3,5-Trichlorobenzene

Concen: 2.403 ug/L

RT: 12.577 min Scan# 3

Delta R.T. 0.010 min

Lab File: VV039054.D

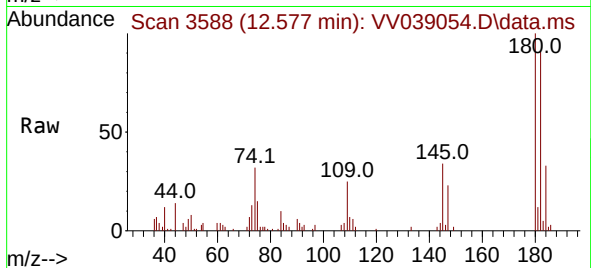
Acq: 12 Sep 2025 12:12

Instrument :

MSVOA_V

ClientSampleId :

MDL-WATER-QT3-2025-06



Tgt Ion:180 Resp: 18024

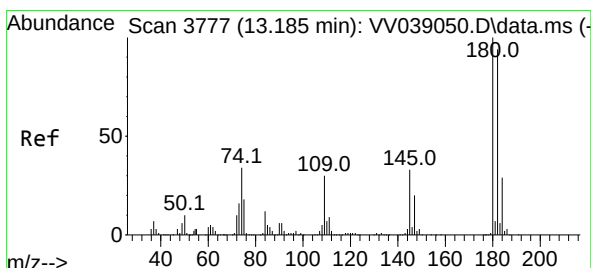
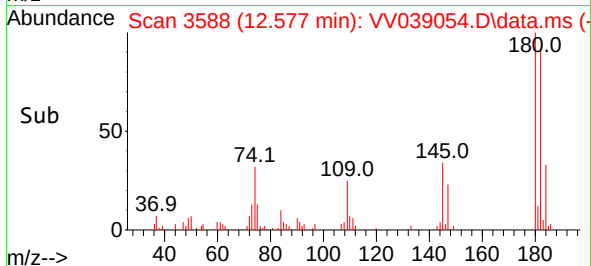
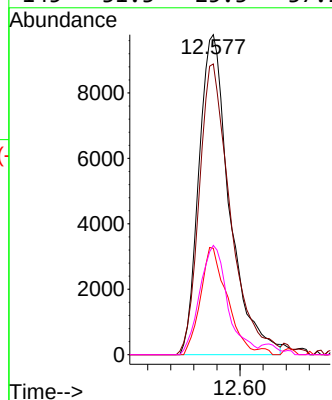
Ion Ratio Lower Upper

180 100

182 92.3 75.0 112.4

184 29.1 23.8 35.8

145 31.3 25.3 37.9



#70

1,2,4-trichlorobenzene

Concen: 2.125 ug/L

RT: 13.194 min Scan# 3780

Delta R.T. 0.010 min

Lab File: VV039054.D

Acq: 12 Sep 2025 12:12

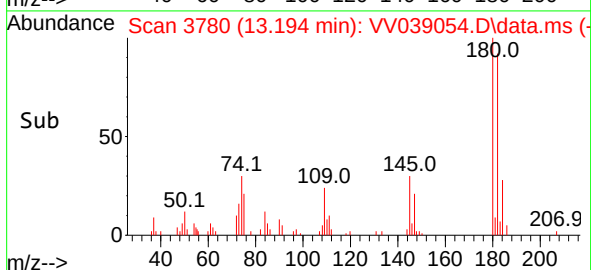
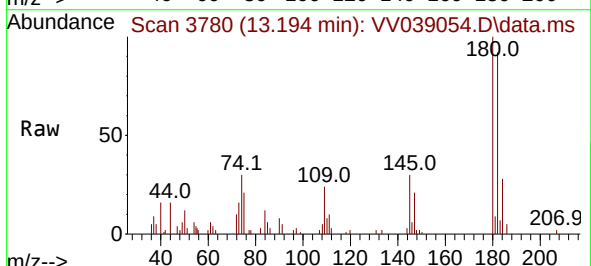
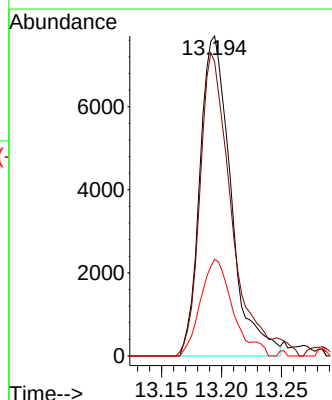
Tgt Ion:180 Resp: 13856

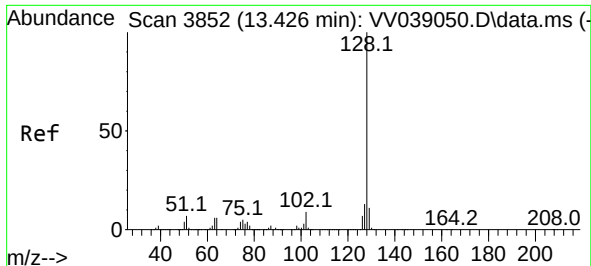
Ion Ratio Lower Upper

180 100

182 93.3 76.0 114.0

145 29.8 25.8 38.6

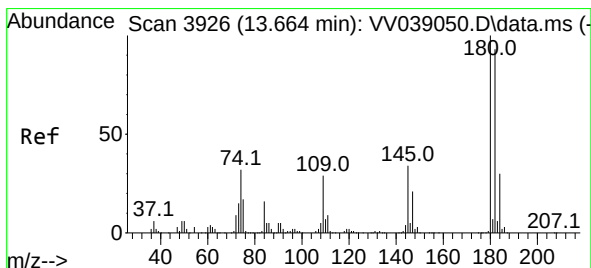
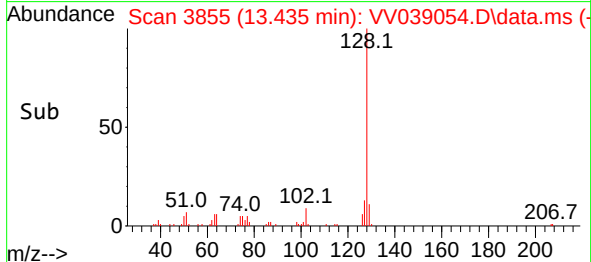
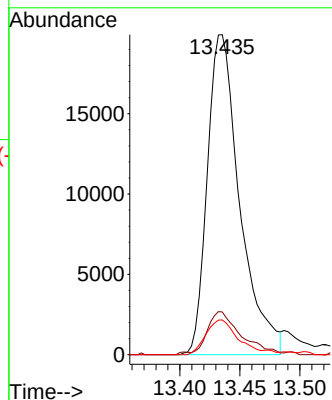
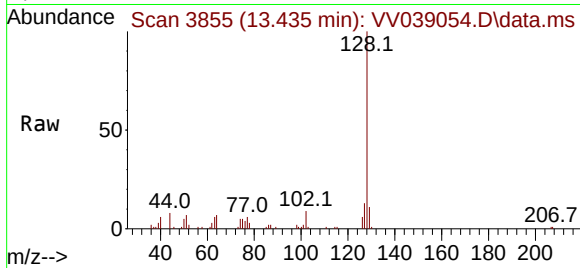




#71
Naphthalene
Concen: 1.723 ug/L
RT: 13.435 min Scan# 3855
Delta R.T. 0.010 min
Lab File: VV039054.D
Acq: 12 Sep 2025 12:12

Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT3-2025-06

Tgt Ion:	128	Resp:	37554
Ion Ratio	Lower	Upper	
128	100		
127	13.4	10.3	15.5
129	10.5	8.6	12.8



#72
1,2,3-Trichlorobenzene
Concen: 2.099 ug/L
RT: 13.670 min Scan# 3928
Delta R.T. 0.003 min
Lab File: VV039054.D
Acq: 12 Sep 2025 12:12

Tgt Ion:	180	Resp:	14209
Ion Ratio	Lower	Upper	
180	100		
182	92.8	75.9	113.9
145	31.1	27.1	40.7

