

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV111725\
 Data File : VV039393.D
 Acq On : 17 Nov 2025 15:41
 Operator : SY/MD
 Sample : Q3589-01
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 12 Sample Multiplier: 1

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

Quant Time: Nov 18 01:44:28 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM111725WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Nov 18 01:21:06 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.532	114	1107311	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.773	117	1100945	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.172	152	542577	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.291	65	504957	46.792	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	93.580%
7) Chloroethane-d5	1.545	69	385585	47.857	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	95.720%
11) 1,1-Dichloroethene-d2	2.069	65	210983	46.449	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.900%
21) 2-Butanone-d5	3.786	46	518231	90.949	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	90.950%
24) Chloroform-d	4.252	84	819221	45.806	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.620%
26) 1,2-Dichloroethane-d4	4.940	65	526955	47.347	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.700%
32) Benzene-d6	4.960	84	1619585	49.319	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.640%
36) 1,2-Dichloropropane-d6	5.982	67	516885	50.433	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	100.860%
41) Toluene-d8	7.236	98	1414702	46.646	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.300%
43) trans-1,3-Dichloroprop...	7.545	79	235660	45.575	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.140%
47) 2-Hexanone-d5	8.011	63	362899	92.689	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	92.690%
56) 1,1,2,2-Tetrachloroeth...	10.140	84	693565	46.297	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	92.600%
66) 1,2-Dichlorobenzene-d4	11.548	152	556676	54.621	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	109.240%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.121	85	16772	2.159	ug/L	97
3) Chloromethane	1.230	50	19528	2.293	ug/L	91
5) Vinyl chloride	1.294	62	22197	2.313	ug/L #	53
6) Bromomethane	1.500	94	11934	2.233	ug/L	96
8) Chloroethane	1.561	64	12372	1.959	ug/L	95
9) Trichlorofluoromethane	1.725	101	33781	2.176	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.082	101	24766	2.626	ug/L #	83
12) 1,1-Dichloroethene	2.256	96	35	0.004	ug/L	88
13) Acetone	2.121	43	31435	4.075	ug/L	99
14) Carbon disulfide	2.256	76	50279	2.181	ug/L	99
15) Methyl Acetate	2.394	43	16084	1.605	ug/L	92
16) Methylene chloride	2.461	84	23596	2.481	ug/L	93
17) trans-1,2-Dichloroethene	2.712	96	15914	1.879	ug/L	97
18) Methyl tert-butyl Ether	2.712	73	45861	1.774	ug/L #	84
19) 1,1-Dichloroethane	3.127	63	33435	1.992	ug/L	96
20) cis-1,2-Dichloroethene	3.828	96	17864	1.959	ug/L	97
22) 2-Butanone	3.850	43	336	0.044	ug/L	90
23) Bromochloromethane	4.165	128	11860	2.202	ug/L	89
25) Chloroform	4.278	83	53526	2.921	ug/L	96

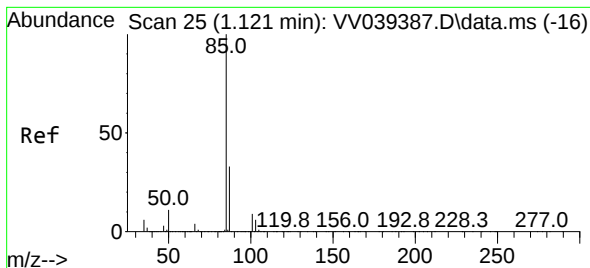
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VW111725\
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.059	62	23651	1.751	ug/L	99
29) Cyclohexane	4.583	56	21388	1.641	ug/L	96
30) 1,1,1-Trichloroethane	4.741	97	168	0.011	ug/L	94
31) Carbon tetrachloride	4.741	117	26279	1.833	ug/L	92
33) Benzene	5.014	78	65116	1.894	ug/L	100
34) Trichloroethene	5.841	95	17790	1.916	ug/L	89
35) Methylcyclohexane	6.046	83	27615	2.023	ug/L #	92
37) 1,2-Dichloropropane	6.098	63	18727	1.926	ug/L #	94
38) Bromodichloromethane	6.442	83	25909	1.917	ug/L #	96
39) cis-1,3-Dichloropropene	6.960	75	30582	2.043	ug/L	99
40) 4-Methyl-2-pentanone	7.162	43	36932	3.022	ug/L	98
42) Toluene	7.320	91	76716	2.106	ug/L	96
44) trans-1,3-Dichloropropene	7.583	75	22647	1.569	ug/L	100
45) 1,1,2-Trichloroethane	7.770	97	21021	2.079	ug/L	94
46) Tetrachloroethene	7.902	164	18166	2.129	ug/L	96
48) 2-Hexanone	8.082	43	39925	3.910	ug/L #	88
49) Dibromochloromethane	8.172	129	23652	2.048	ug/L	92
50) 1,2-Dibromoethane	8.284	107	21974	2.017	ug/L #	98
51) Chlorobenzene	8.808	112	54197	2.075	ug/L	98
52) Ethylbenzene	8.943	91	69821	1.763	ug/L	91
53) m,p-Xylene	9.069	106	24520	1.618	ug/L	100
54) o-Xylene	9.474	106	23410	1.616	ug/L	94
55) Styrene	9.503	104	34569	1.357	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.165	83	36937	2.274	ug/L #	98
59) Bromoform	9.660	173	18871	2.273	ug/L	98
60) Isopropylbenzene	9.860	105	61059	1.849	ug/L	98
61) 1,2,3-Trichloropropane	10.201	75	25177	2.380	ug/L	99
62) 1,3,5-Trimethylbenzene	10.467	105	45832	1.777	ug/L	96
63) 1,2,4-Trimethylbenzene	10.844	105	42908	1.692	ug/L	98
64) 1,3-Dichlorobenzene	11.114	146	38074	2.118	ug/L	99
65) 1,4-Dichlorobenzene	11.201	146	42109	2.174	ug/L	98
67) 1,2-Dichlorobenzene	11.567	146	45201	2.517	ug/L	96
68) 1,2-Dibromo-3-chloropr...	12.361	75	6347	2.137	ug/L	87
69) 1,3,5-Trichlorobenzene	12.577	180	26133	2.041	ug/L	93
70) 1,2,4-trichlorobenzene	13.194	180	22622	2.027	ug/L	97
71) Naphthalene	13.435	128	50855	1.619	ug/L	99
72) 1,2,3-Trichlorobenzene	13.673	180	22597	1.954	ug/L	98

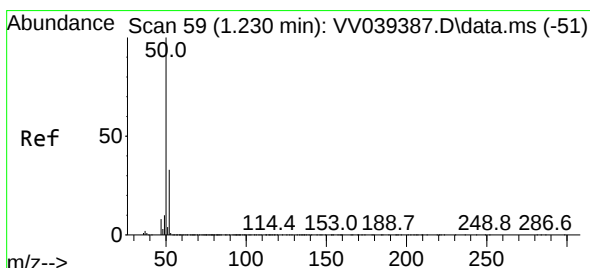
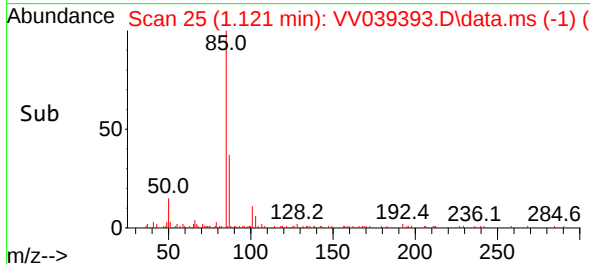
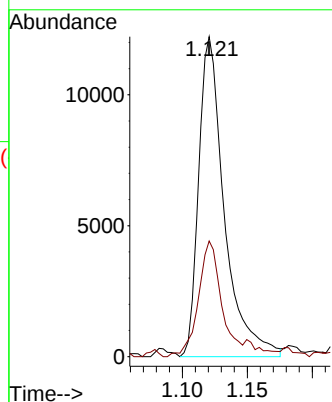
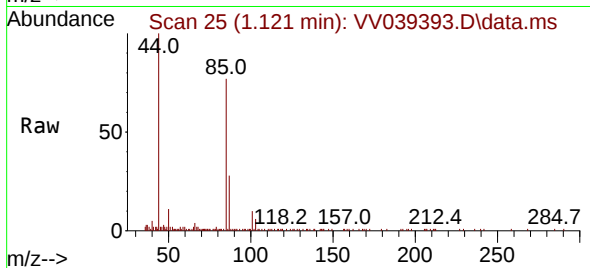
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
Dichlorodifluoromethane
Concen: 2.159 ug/L
RT: 1.121 min Scan# 21
Delta R.T. -0.000 min
Lab File: VV039393.D
Acq: 17 Nov 2025 15:41

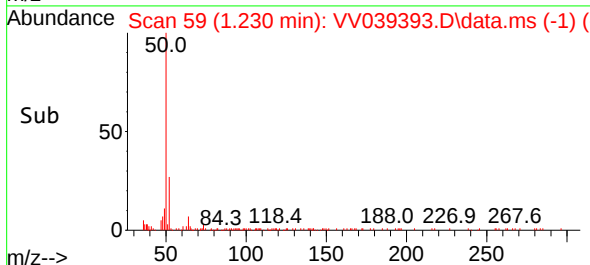
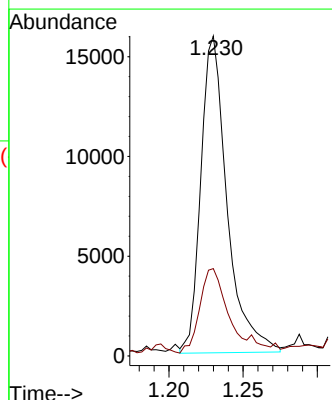
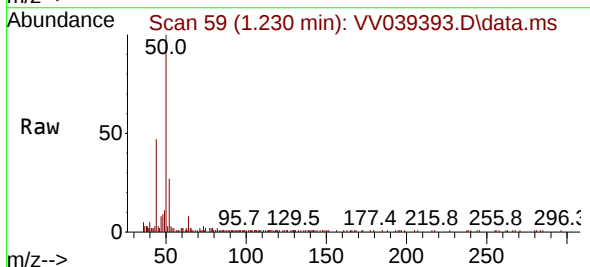
Instrument : MSVOA_V
ClientSampleId : MDL-WATER-QT4-2025-07

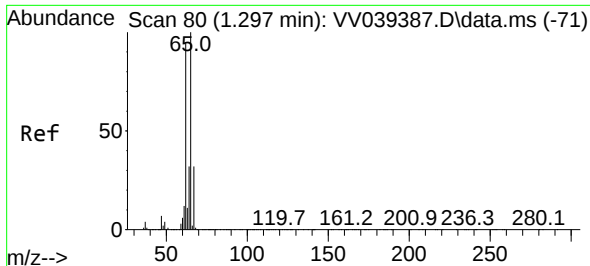
Tgt Ion: 85 Resp: 16772
Ion Ratio Lower Upper
85 100
87 30.9 26.1 39.1



#3
Chloromethane
Concen: 2.293 ug/L
RT: 1.230 min Scan# 59
Delta R.T. -0.000 min
Lab File: VV039393.D
Acq: 17 Nov 2025 15:41

Tgt Ion: 50 Resp: 19528
Ion Ratio Lower Upper
50 100
52 27.3 22.7 42.3

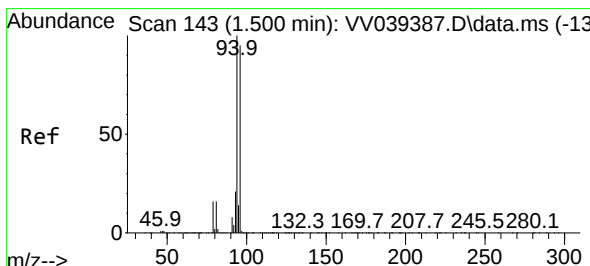
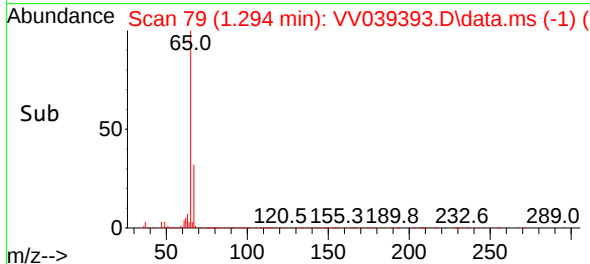
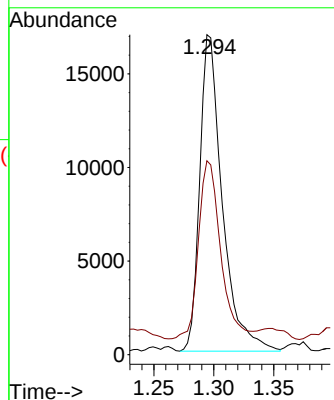
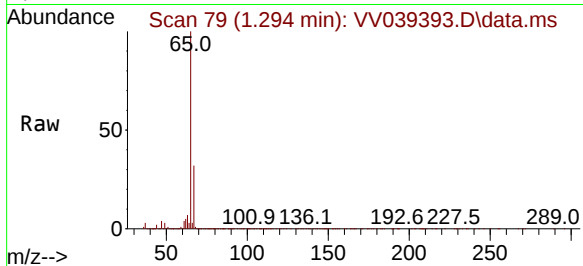




#5
 Vinyl chloride
 Concen: 2.313 ug/L
 RT: 1.294 min Scan# 79
 Delta R.T. -0.003 min
 Lab File: VV039393.D
 Acq: 17 Nov 2025 15:41

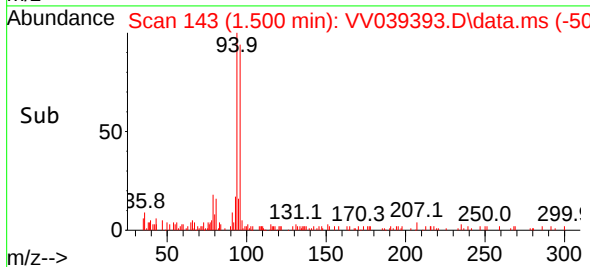
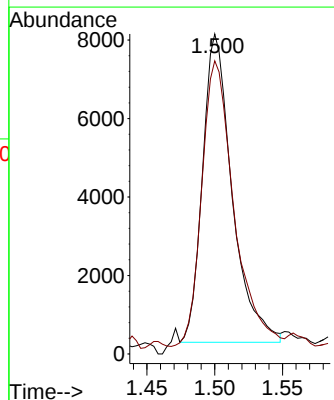
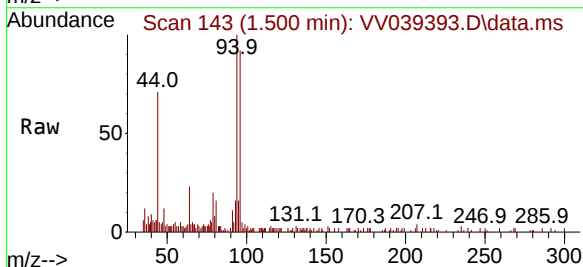
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 MDL-WATER-QT4-2025-07

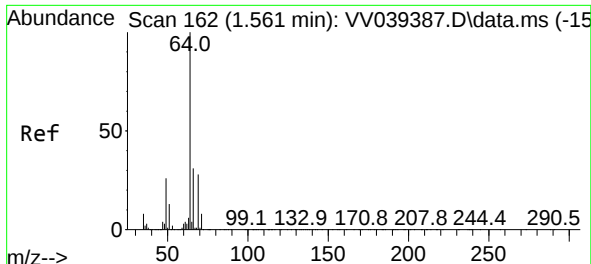
Tgt Ion: 62 Resp: 22197
 Ion Ratio Lower Upper
 62 100
 64 60.6 23.7 44.1#



#6
 Bromomethane
 Concen: 2.233 ug/L
 RT: 1.500 min Scan# 143
 Delta R.T. -0.000 min
 Lab File: VV039393.D
 Acq: 17 Nov 2025 15:41

Tgt Ion: 94 Resp: 11934
 Ion Ratio Lower Upper
 94 100
 96 91.6 66.6 123.8

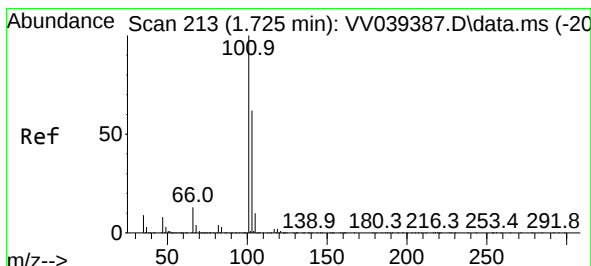
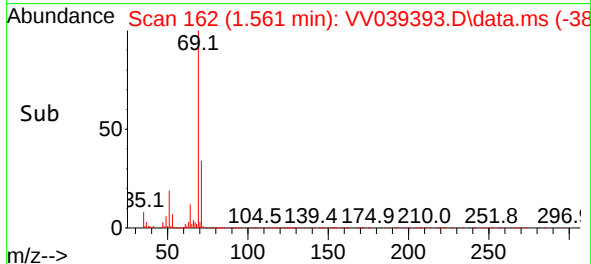
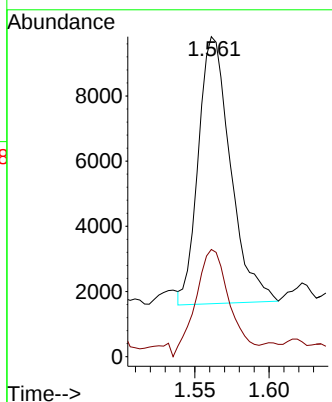
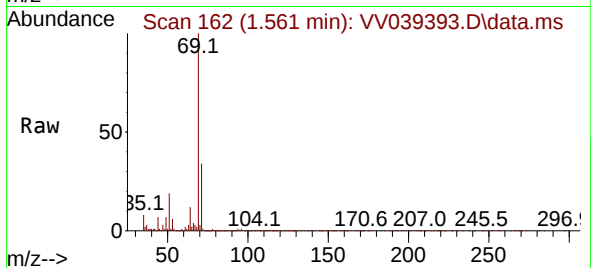




#8
Chloroethane
Concen: 1.959 ug/L
RT: 1.561 min Scan# 162
Delta R.T. -0.000 min
Lab File: VV039393.D
Acq: 17 Nov 2025 15:41

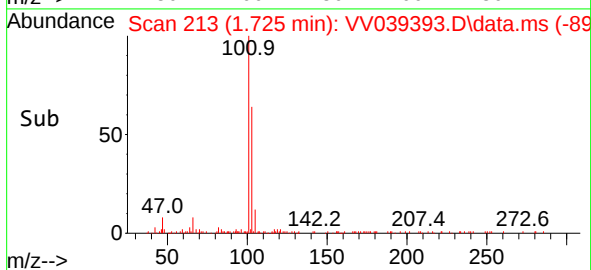
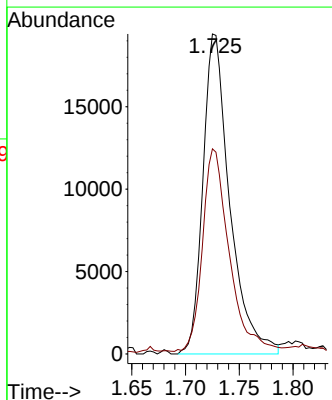
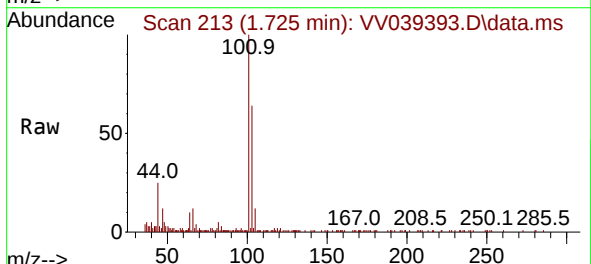
Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT4-2025-07

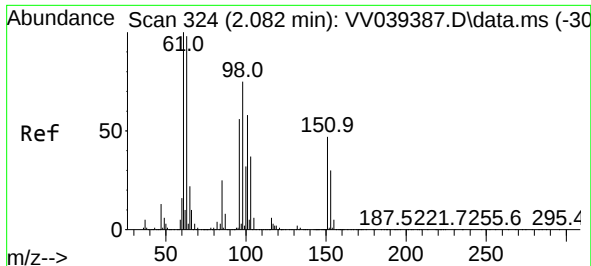
Tgt Ion: 64 Resp: 12372
Ion Ratio Lower Upper
64 100
66 33.5 21.6 40.2



#9
Trichlorofluoromethane
Concen: 2.176 ug/L
RT: 1.725 min Scan# 213
Delta R.T. -0.000 min
Lab File: VV039393.D
Acq: 17 Nov 2025 15:41

Tgt Ion: 101 Resp: 33781
Ion Ratio Lower Upper
101 100
103 62.6 51.0 76.6

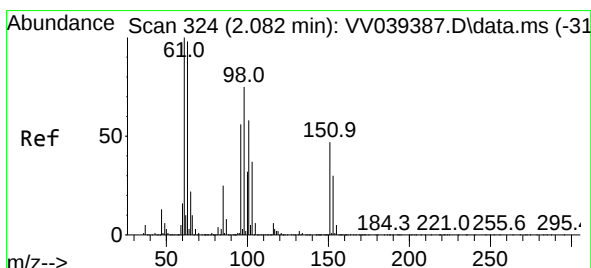
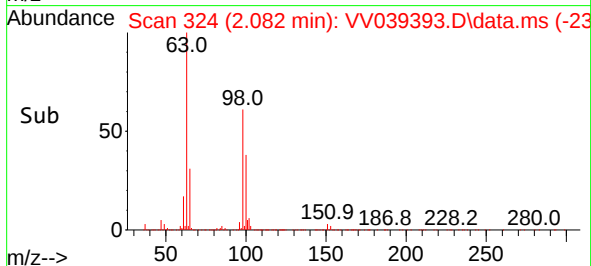
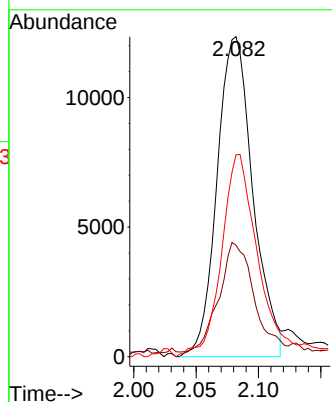
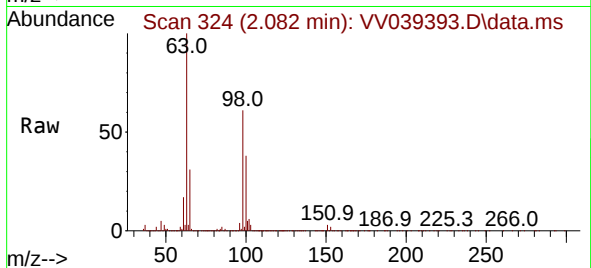




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 2.626 ug/L
 RT: 2.082 min Scan# 31
 Delta R.T. -0.000 min
 Lab File: VV039393.D
 Acq: 17 Nov 2025 15:41

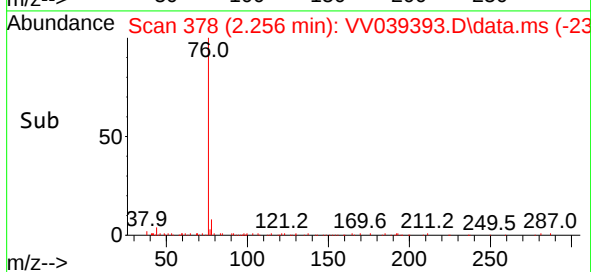
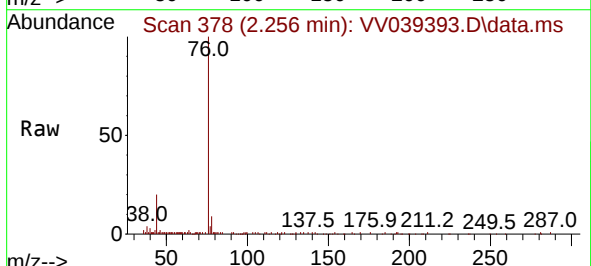
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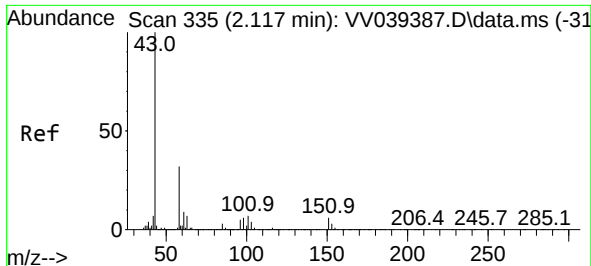
Tgt Ion:	101	Resp:	24766
Ion Ratio	Lower	Upper	
101	100		
85	33.4	33.7	50.5#
151	63.5	63.6	95.4#



#12
 1,1-Dichloroethene
 Concen: 0.004 ug/L
 RT: 2.256 min Scan# 378
 Delta R.T. 0.174 min
 Lab File: VV039393.D
 Acq: 17 Nov 2025 15:41

Tgt Ion:	96	Resp:	35
Ion Ratio	Lower	Upper	
96	100		
61	183.0	124.3	230.8
63	145.5	121.8	226.2





#13

Acetone

Concen: 4.075 ug/L

RT: 2.121 min Scan# 31

Delta R.T. 0.003 min

Lab File: VV039393.D

Acq: 17 Nov 2025 15:41

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MSVOA_V

ClientSampleId :

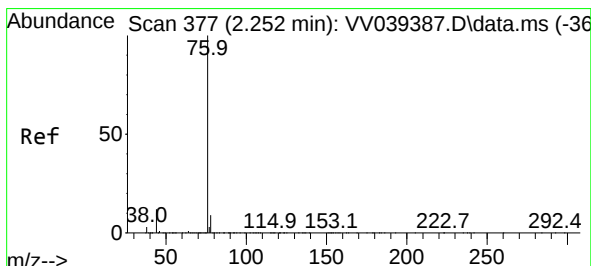
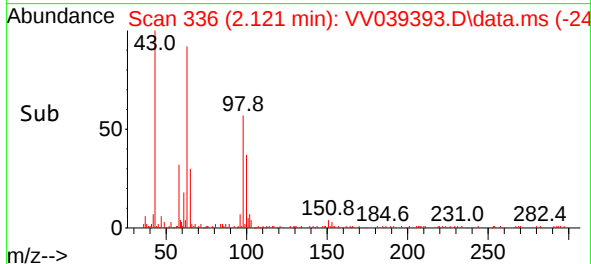
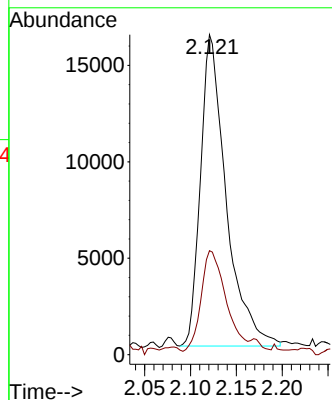
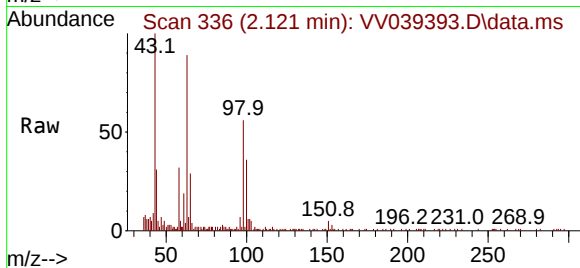
MDL-WATER-QT4-2025-07

Tgt Ion: 43 Resp: 31435

Ion Ratio Lower Upper

43 100

58 31.1 0.0 63.2



#14

Carbon disulfide

Concen: 2.181 ug/L

RT: 2.256 min Scan# 378

Delta R.T. 0.003 min

Lab File: VV039393.D

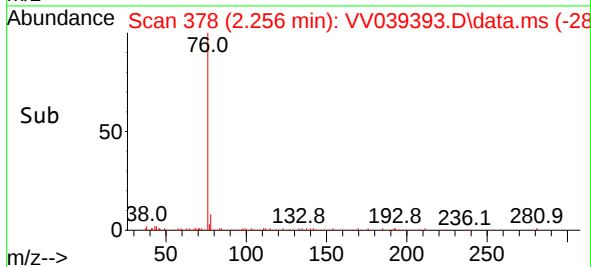
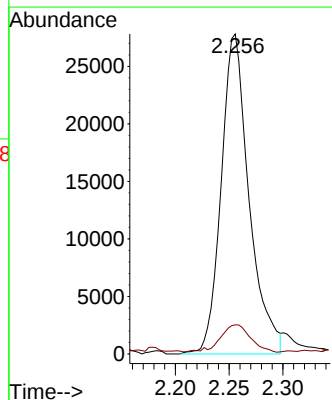
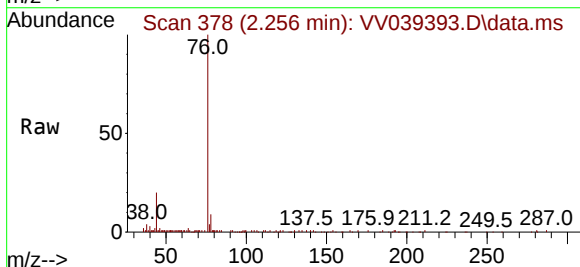
Acq: 17 Nov 2025 15:41

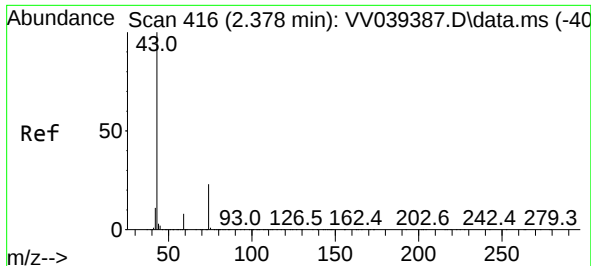
Tgt Ion: 76 Resp: 50279

Ion Ratio Lower Upper

76 100

78 9.1 7.4 11.2

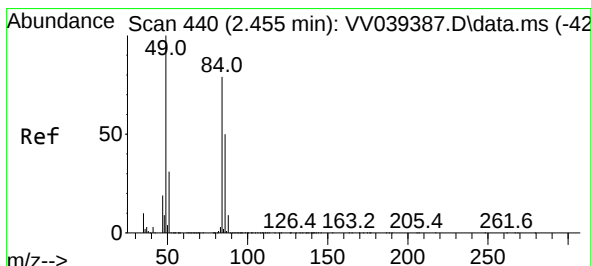
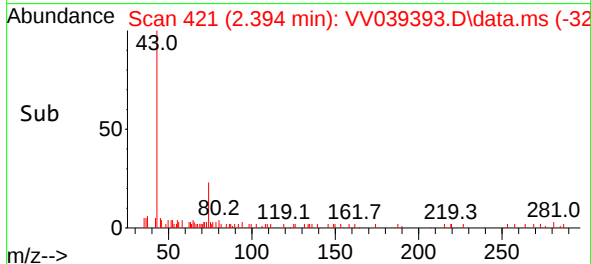
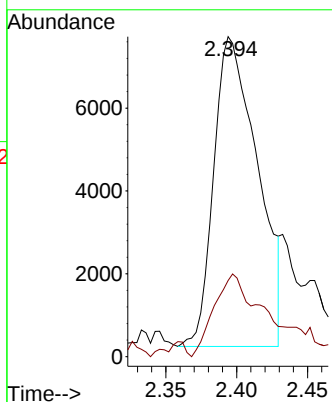
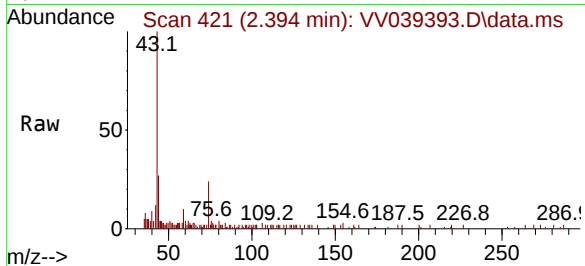




#15
Methyl Acetate
Concen: 1.605 ug/L
RT: 2.394 min Scan# 416
Delta R.T. 0.016 min
Lab File: VV039393.D
Acq: 17 Nov 2025 15:41

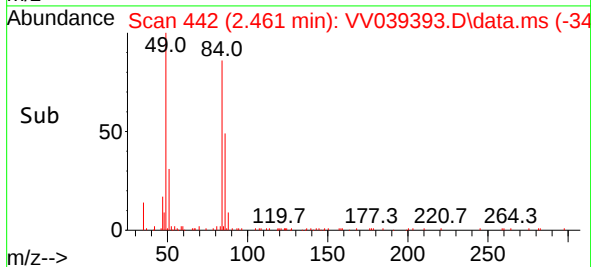
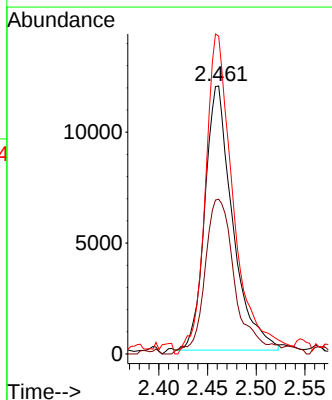
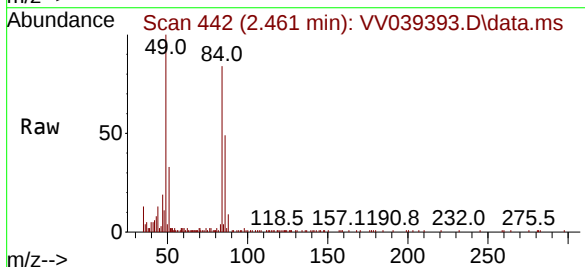
Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT4-2025-07

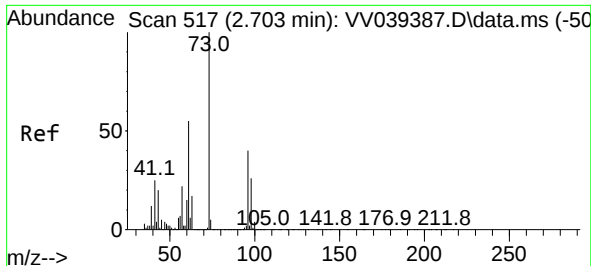
Tgt Ion: 43 Resp: 16084
Ion Ratio Lower Upper
43 100
74 19.5 18.7 28.1



#16
Methylene chloride
Concen: 2.481 ug/L
RT: 2.461 min Scan# 442
Delta R.T. 0.006 min
Lab File: VV039393.D
Acq: 17 Nov 2025 15:41

Tgt Ion: 84 Resp: 23596
Ion Ratio Lower Upper
84 100
86 57.8 44.4 82.5
49 118.6 88.2 163.8

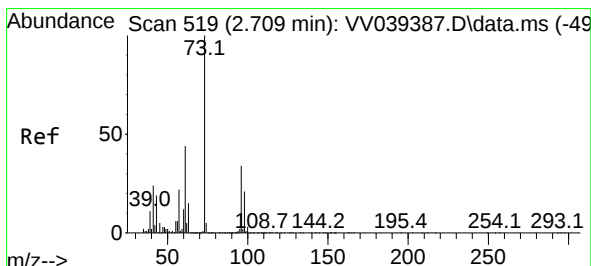
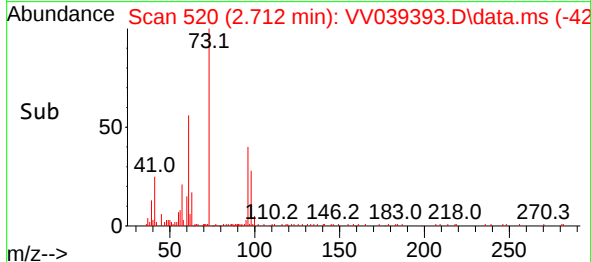
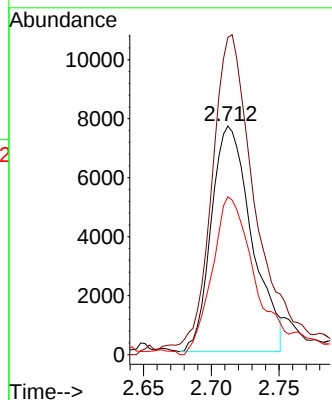
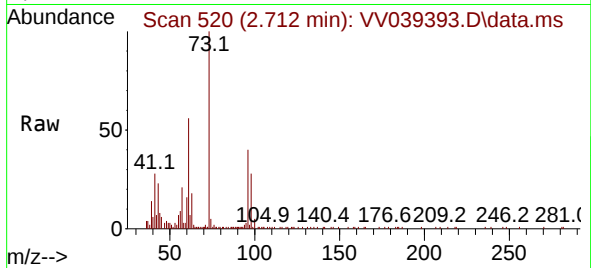




#17
trans-1,2-Dichloroethene
Concen: 1.879 ug/L
RT: 2.712 min Scan# 517
Delta R.T. 0.010 min
Lab File: VV039393.D
Acq: 17 Nov 2025 15:41

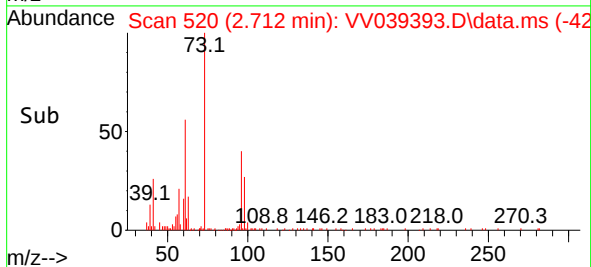
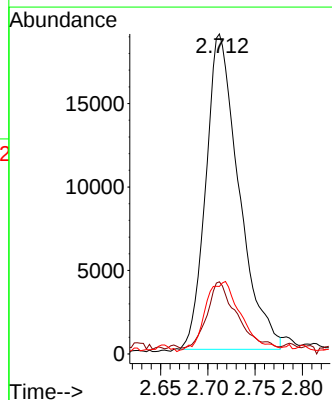
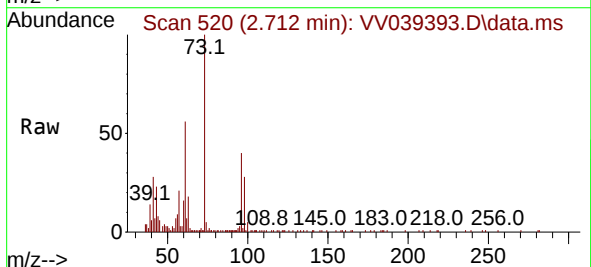
Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT4-2025-07

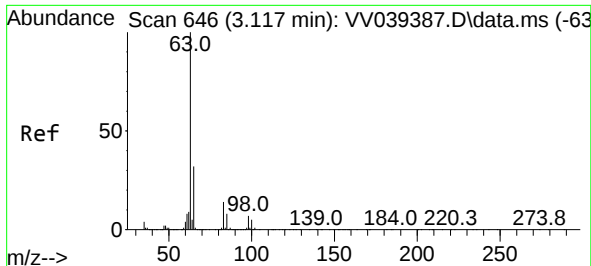
Tgt Ion: 96 Resp: 15914
Ion Ratio Lower Upper
96 100
61 138.7 96.1 178.5
98 69.0 45.0 83.6



#18
Methyl tert-butyl Ether
Concen: 1.774 ug/L
RT: 2.712 min Scan# 520
Delta R.T. 0.003 min
Lab File: VV039393.D
Acq: 17 Nov 2025 15:41

Tgt Ion: 73 Resp: 45861
Ion Ratio Lower Upper
73 100
43 18.1 15.4 23.2
57 8.9 17.6 26.4#





#19

1,1-Dichloroethane

Concen: 1.992 ug/L

RT: 3.127 min Scan# 64

Delta R.T. 0.010 min

Lab File: VV039393.D

Acq: 17 Nov 2025 15:41

Instrument :

MSVOA_V

ClientSampleId :

MDL-WATER-QT4-2025-07

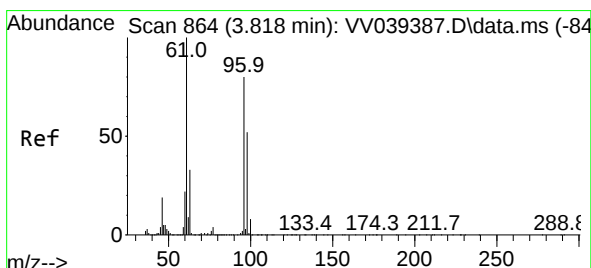
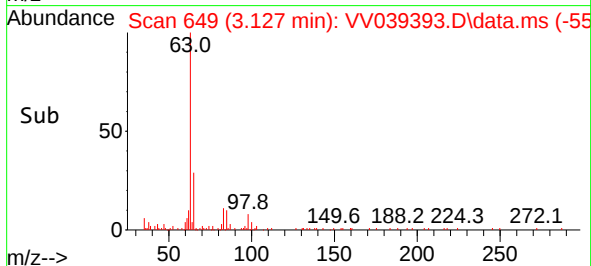
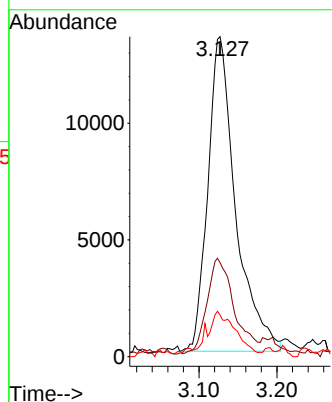
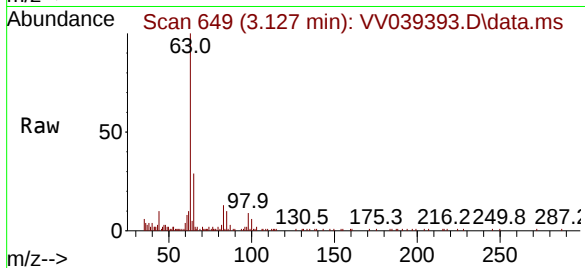
Tgt Ion: 63 Resp: 33435

Ion Ratio Lower Upper

63 100

65 29.4 22.4 41.6

83 13.0 9.6 17.8



#20

cis-1,2-Dichloroethene

Concen: 1.959 ug/L

RT: 3.828 min Scan# 867

Delta R.T. 0.010 min

Lab File: VV039393.D

Acq: 17 Nov 2025 15:41

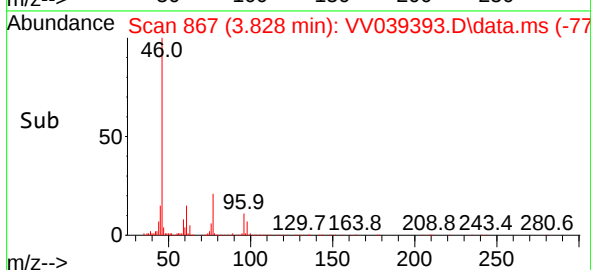
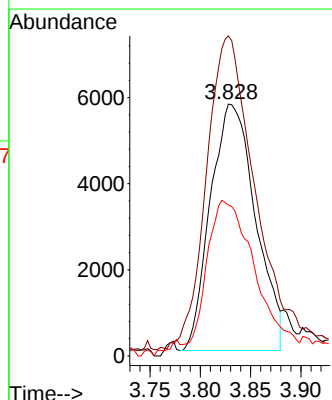
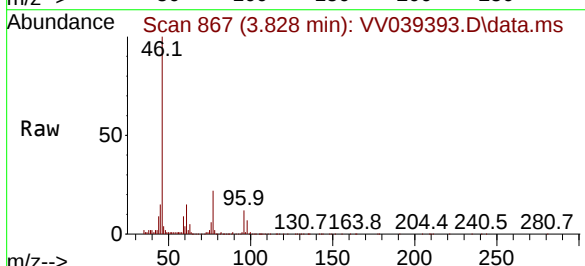
Tgt Ion: 96 Resp: 17864

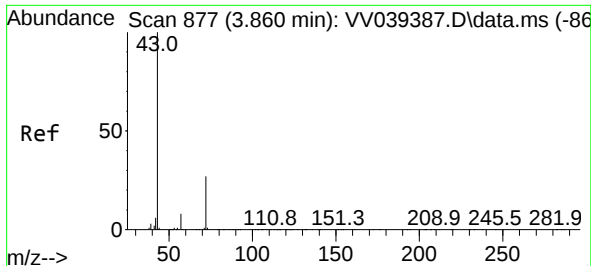
Ion Ratio Lower Upper

96 100

61 127.1 87.3 162.1

98 60.0 45.1 83.7

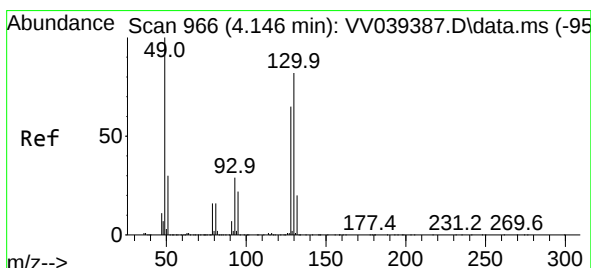
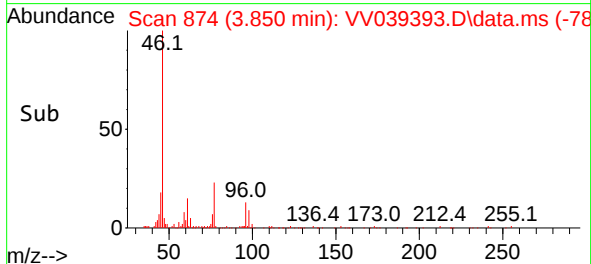
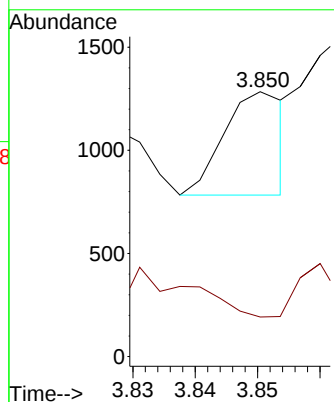
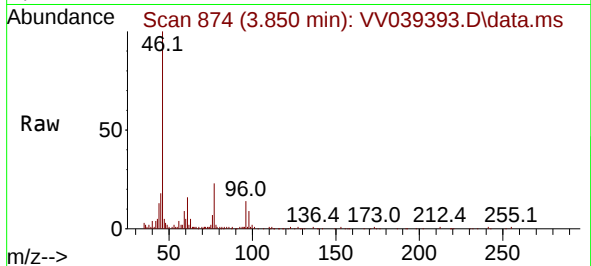




#22
2-Butanone
Concen: 0.044 ug/L
RT: 3.850 min Scan# 81
Delta R.T. -0.010 min
Lab File: VV039393.D
Acq: 17 Nov 2025 15:41

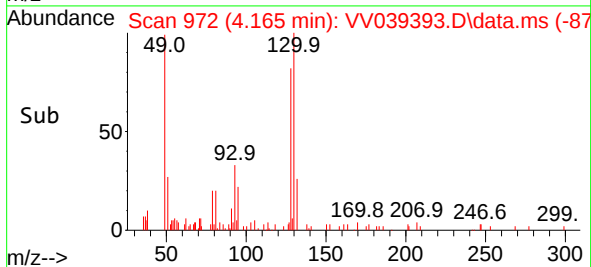
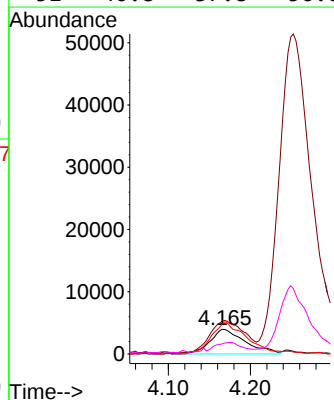
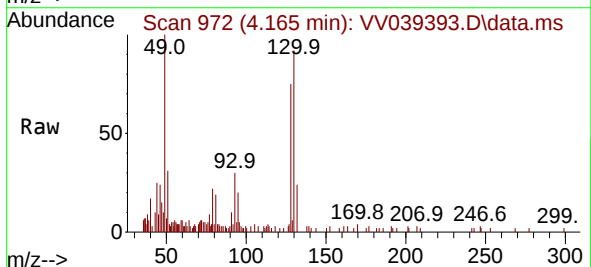
Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT4-2025-07

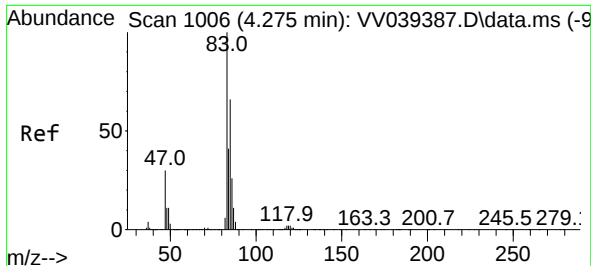
Tgt Ion: 43 Resp: 336
Ion Ratio Lower Upper
43 100
72 31.5 13.3 39.9



#23
Bromochloromethane
Concen: 2.202 ug/L
RT: 4.165 min Scan# 972
Delta R.T. 0.019 min
Lab File: VV039393.D
Acq: 17 Nov 2025 15:41

Tgt Ion:128 Resp: 11860
Ion Ratio Lower Upper
128 100
49 132.5 108.6 201.6
130 121.8 89.2 165.6
51 40.8 37.8 56.8

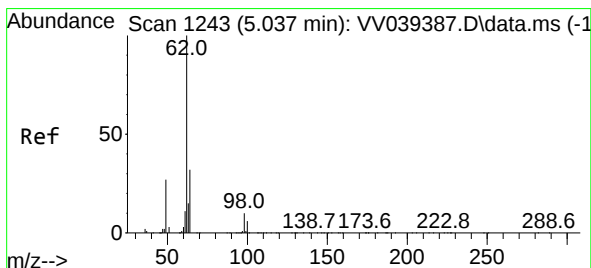
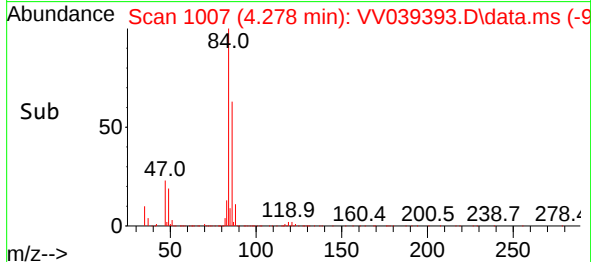
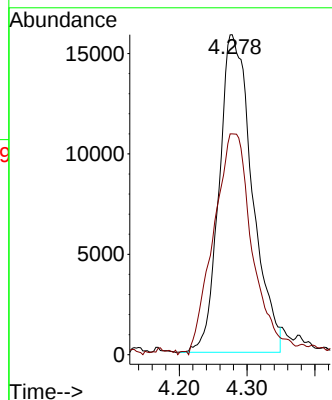
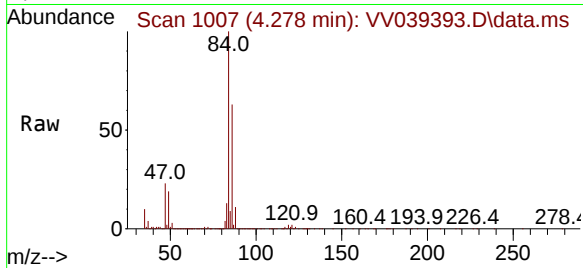




#25
Chloroform
Concen: 2.921 ug/L
RT: 4.278 min Scan# 1006
Delta R.T. 0.003 min
Lab File: VV039393.D
Acq: 17 Nov 2025 15:41

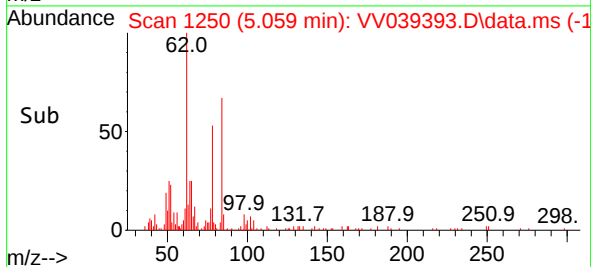
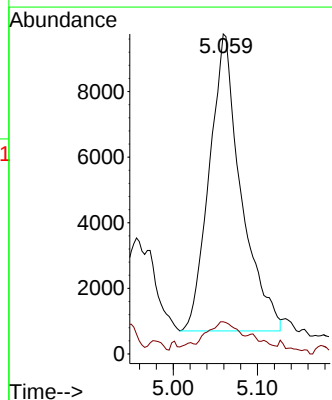
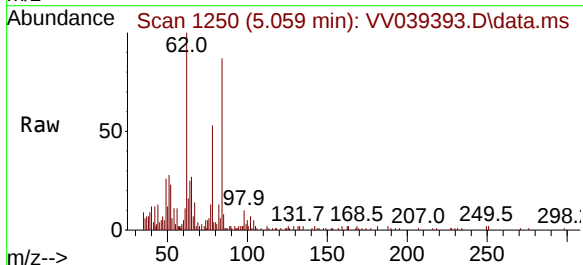
Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT4-2025-07

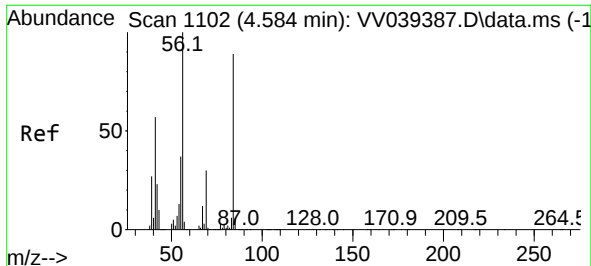
Tgt Ion: 83 Resp: 53526
Ion Ratio Lower Upper
83 100
85 69.0 46.0 85.4



#27
1,2-Dichloroethane
Concen: 1.751 ug/L
RT: 5.059 min Scan# 1250
Delta R.T. 0.022 min
Lab File: VV039393.D
Acq: 17 Nov 2025 15:41

Tgt Ion: 62 Resp: 23651
Ion Ratio Lower Upper
62 100
98 10.1 7.7 11.5





#29

Cyclohexane

Concen: 1.641 ug/L

RT: 4.583 min Scan# 1102

Delta R.T. -0.000 min

Lab File: VV039393.D

Acq: 17 Nov 2025 15:41

Instrument :

MSVOA_V

ClientSampleId :

MDL-WATER-QT4-2025-07

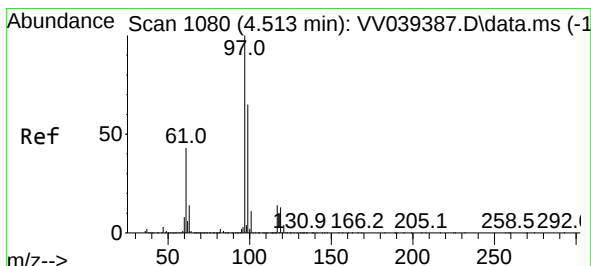
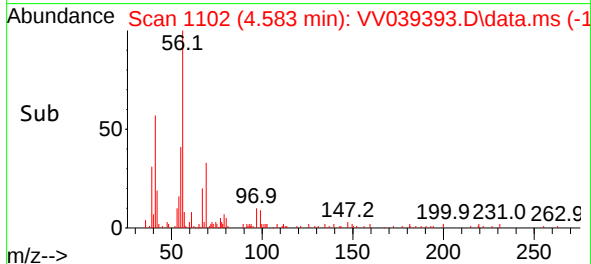
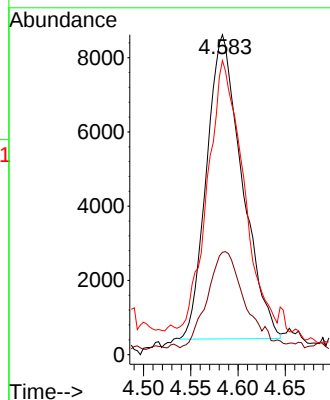
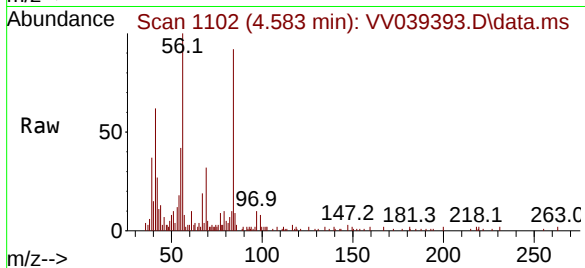
Tgt Ion: 56 Resp: 21388

Ion Ratio Lower Upper

56 100

69 31.5 24.1 36.1

84 92.9 70.7 106.1



#30

1,1,1-Trichloroethane

Concen: 0.011 ug/L

RT: 4.741 min Scan# 1151

Delta R.T. 0.228 min

Lab File: VV039393.D

Acq: 17 Nov 2025 15:41

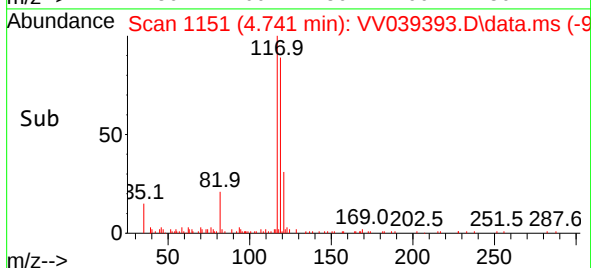
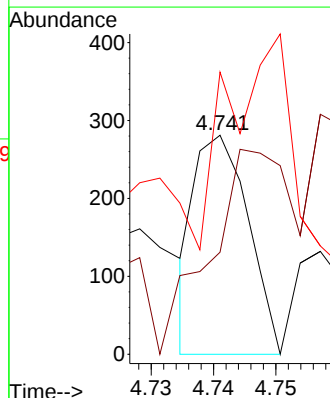
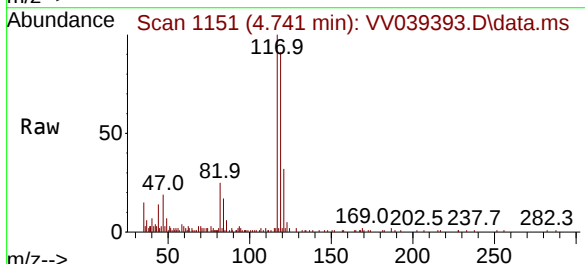
Tgt Ion: 97 Resp: 168

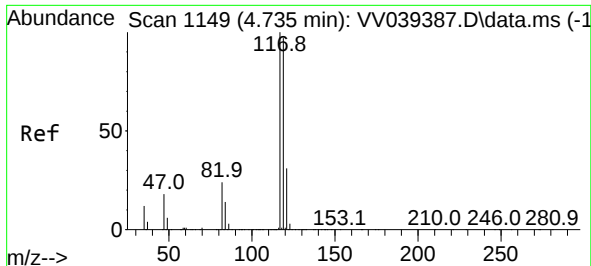
Ion Ratio Lower Upper

97 100

99 59.5 51.6 77.4

61 45.8 34.5 51.7

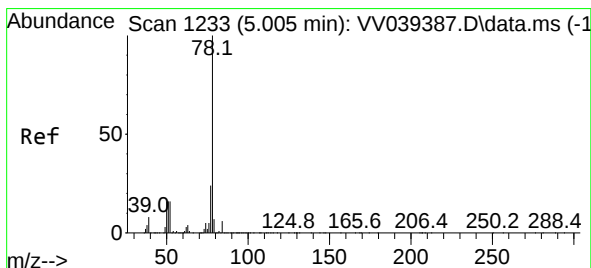
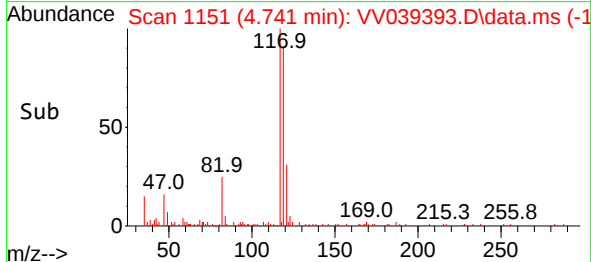
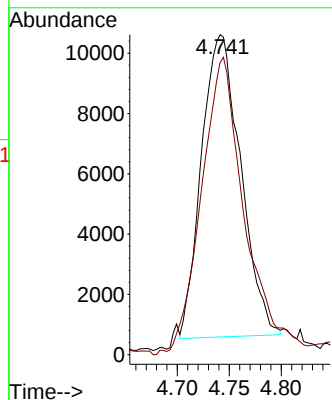
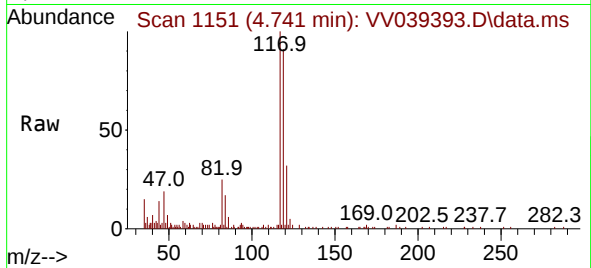




#31
Carbon tetrachloride
Concen: 1.833 ug/L
RT: 4.741 min Scan# 1149
Delta R.T. 0.006 min
Lab File: VV039393.D
Acq: 17 Nov 2025 15:41

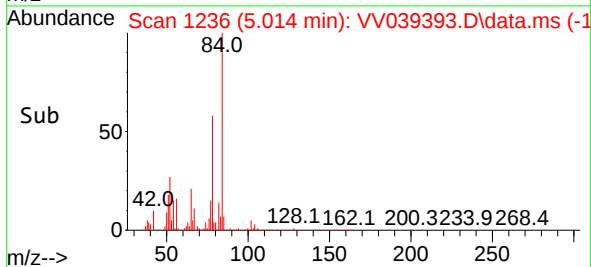
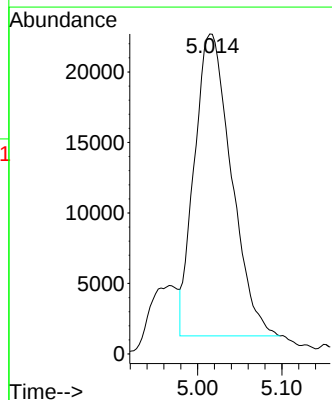
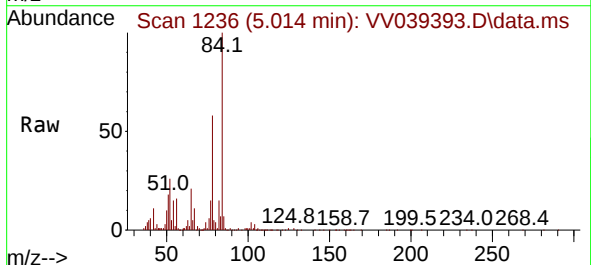
Instrument : MSVOA_V
ClientSampleId : MDL-WATER-QT4-2025-07

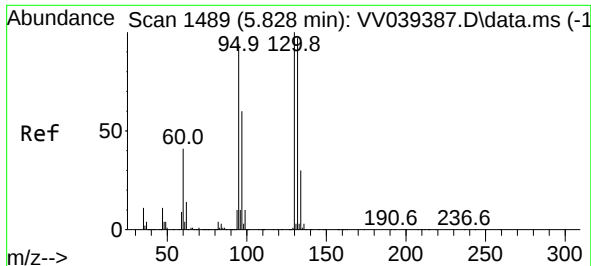
Tgt Ion:117 Resp: 26279
Ion Ratio Lower Upper
117 100
119 103.3 76.7 115.1



#33
Benzene
Concen: 1.894 ug/L
RT: 5.014 min Scan# 1236
Delta R.T. 0.010 min
Lab File: VV039393.D
Acq: 17 Nov 2025 15:41

Tgt Ion: 78 Resp: 65116





#34

Trichloroethene

Concen: 1.916 ug/L

RT: 5.841 min Scan# 1489

Delta R.T. 0.013 min

Lab File: VV039393.D

Acq: 17 Nov 2025 15:41

Instrument :

MSVOA_V

ClientSampleId :

MDL-WATER-QT4-2025-07

Tgt Ion: 95 Resp: 17790

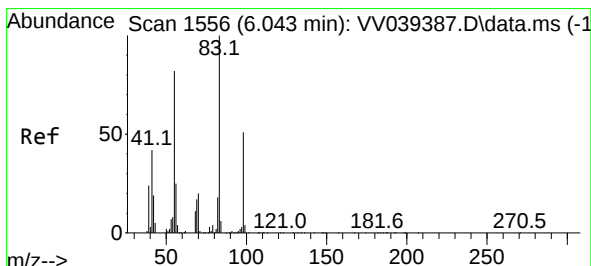
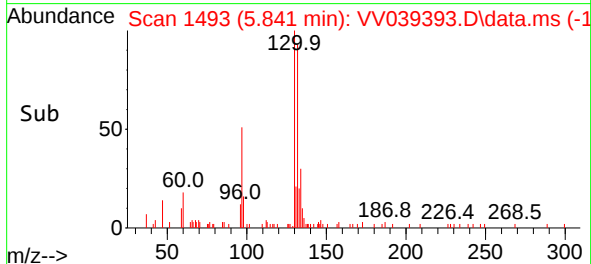
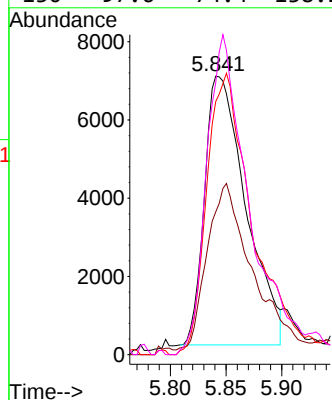
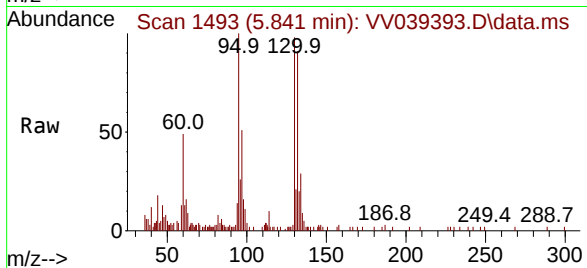
Ion Ratio Lower Upper

95 100

97 51.3 44.4 82.5

132 90.9 71.9 133.5

130 97.6 74.4 138.2



#35

Methylcyclohexane

Concen: 2.023 ug/L

RT: 6.046 min Scan# 1557

Delta R.T. 0.003 min

Lab File: VV039393.D

Acq: 17 Nov 2025 15:41

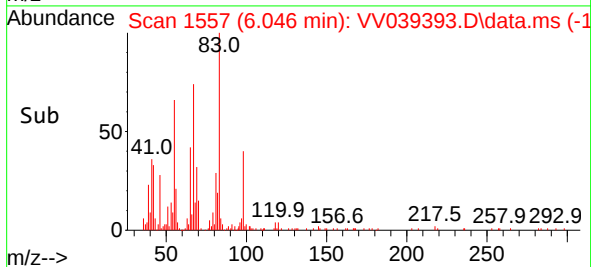
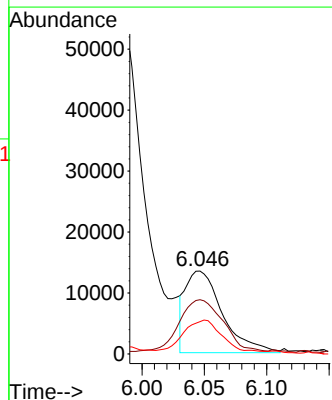
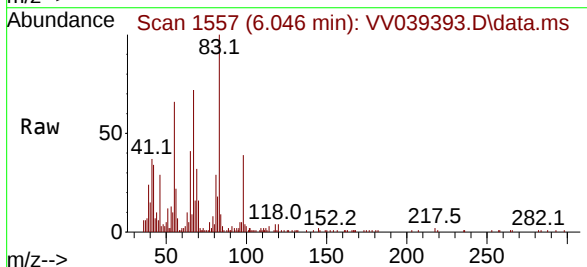
Tgt Ion: 83 Resp: 27615

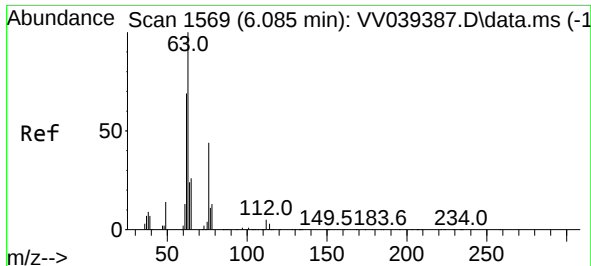
Ion Ratio Lower Upper

83 100

55 79.6 62.5 93.7

98 36.3 39.2 58.8#





#37

1,2-Dichloropropane

Concen: 1.926 ug/L

RT: 6.098 min Scan# 1

Delta R.T. 0.013 min

Lab File: VV039393.D

Acq: 17 Nov 2025 15:41

Instrument :

MSVOA_V

ClientSampleId :

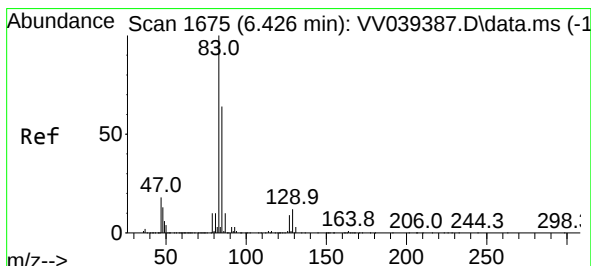
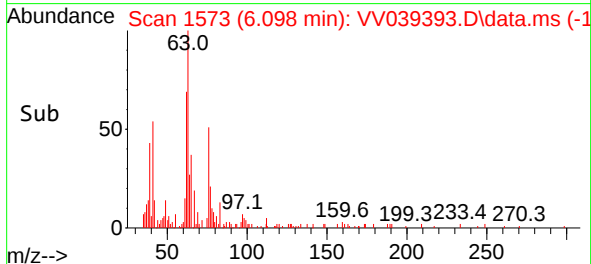
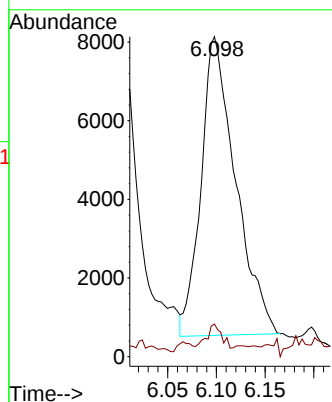
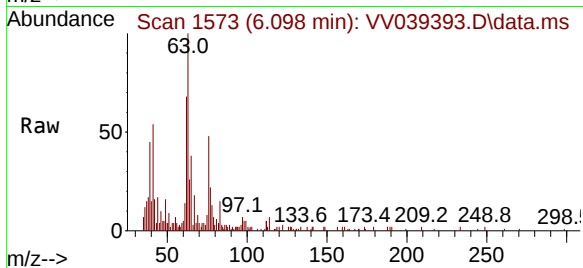
MDL-WATER-QT4-2025-07

Tgt Ion: 63 Resp: 18727

Ion Ratio Lower Upper

63 100

112 2.5 3.7 5.5#



#38

Bromodichloromethane

Concen: 1.917 ug/L

RT: 6.442 min Scan# 1680

Delta R.T. 0.016 min

Lab File: VV039393.D

Acq: 17 Nov 2025 15:41

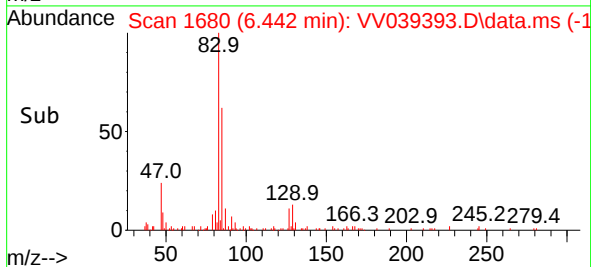
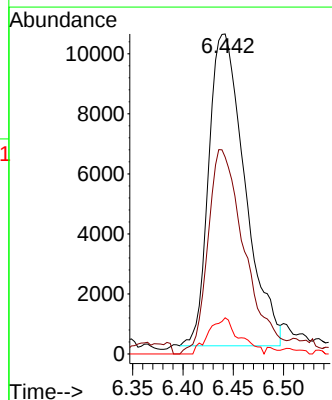
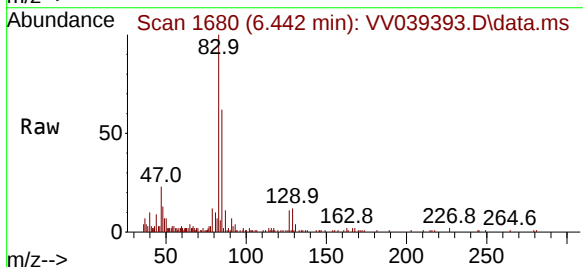
Tgt Ion: 83 Resp: 25909

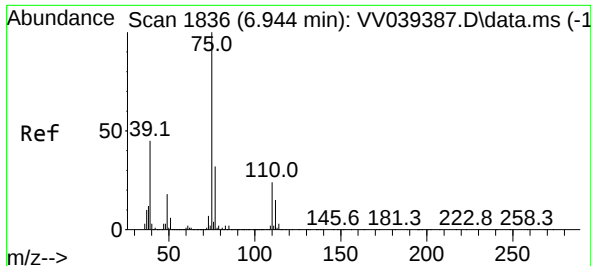
Ion Ratio Lower Upper

83 100

85 61.5 44.9 83.5

127 11.3 7.4 11.0#





#39

cis-1,3-Dichloropropene

Concen: 2.043 ug/L

RT: 6.960 min Scan# 11

Delta R.T. 0.016 min

Lab File: VV039393.D

Acq: 17 Nov 2025 15:41

Instrument :

MSVOA_V

ClientSampleId :

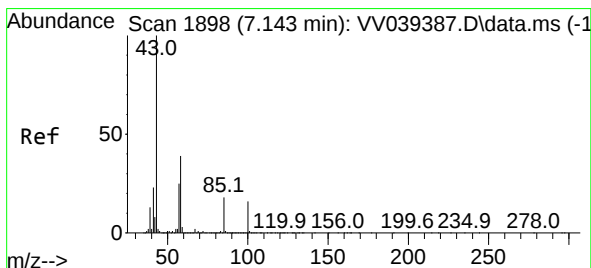
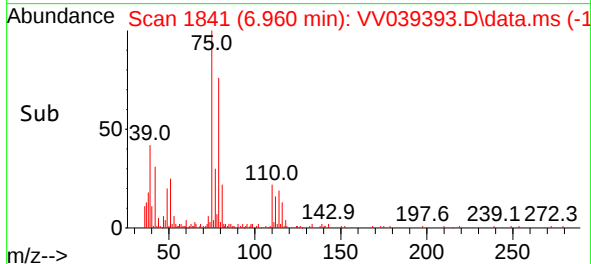
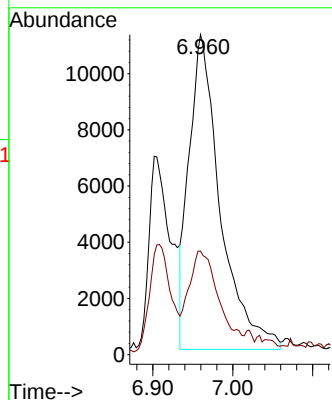
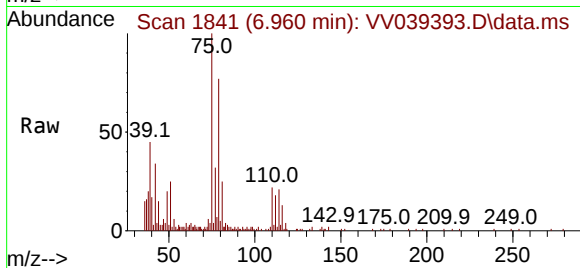
MDL-WATER-QT4-2025-07

Tgt Ion: 75 Resp: 30582

Ion Ratio Lower Upper

75 100

77 32.4 22.3 41.5



#40

4-Methyl-2-pentanone

Concen: 3.022 ug/L

RT: 7.162 min Scan# 1904

Delta R.T. 0.019 min

Lab File: VV039393.D

Acq: 17 Nov 2025 15:41

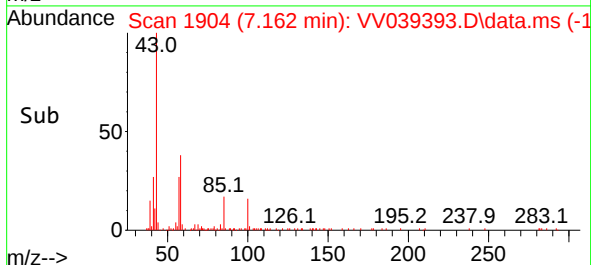
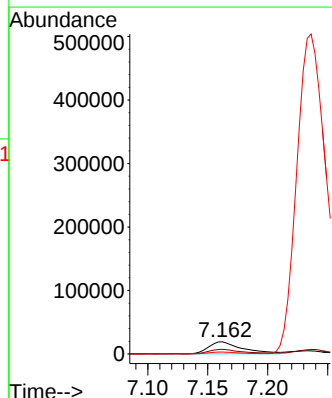
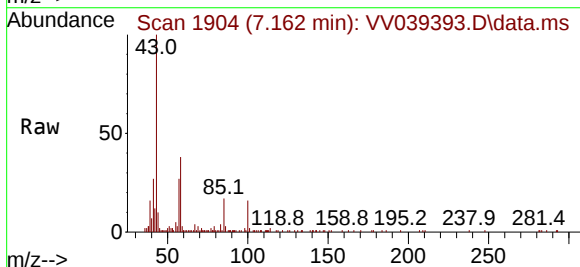
Tgt Ion: 43 Resp: 36932

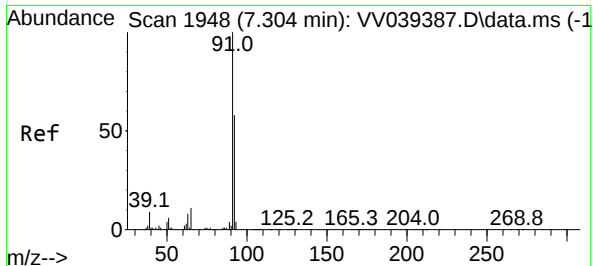
Ion Ratio Lower Upper

43 100

58 37.2 30.8 46.2

100 14.6 12.5 18.7

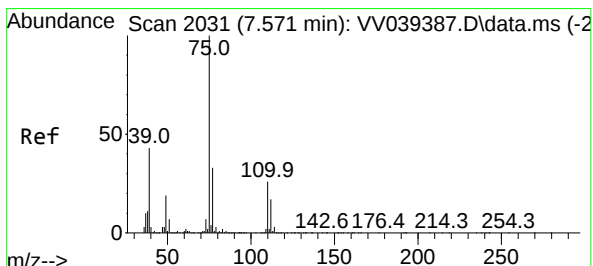
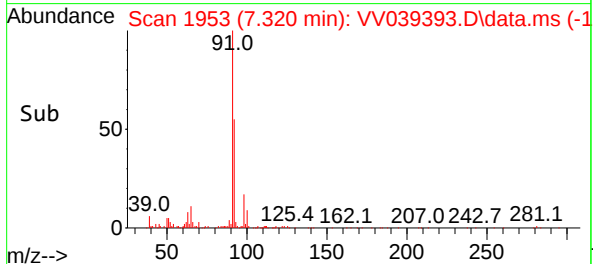
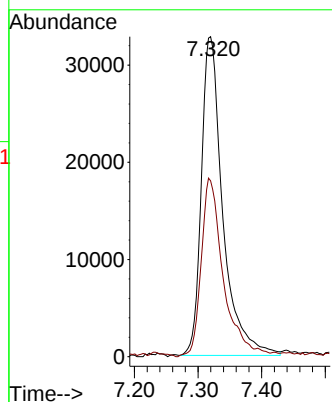
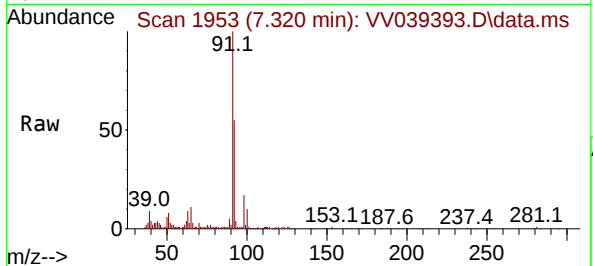




#42
Toluene
Concen: 2.106 ug/L
RT: 7.320 min Scan# 1948
Delta R.T. 0.016 min
Lab File: VV039393.D
Acq: 17 Nov 2025 15:41

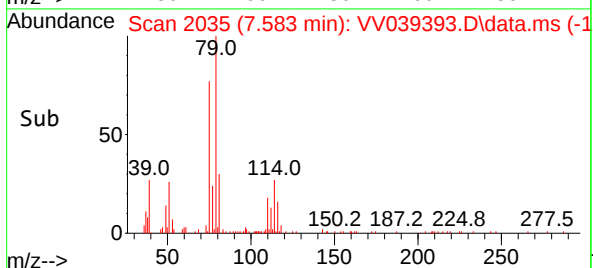
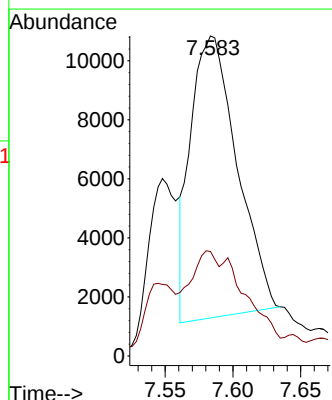
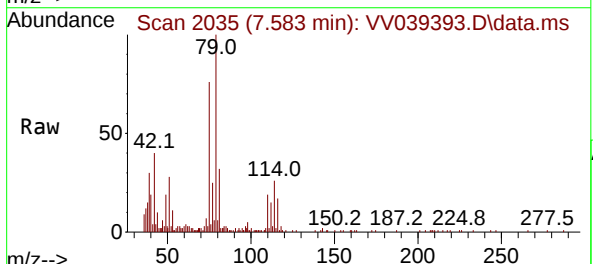
Instrument : MSVOA_V
ClientSampleId : MDL-WATER-QT4-2025-07

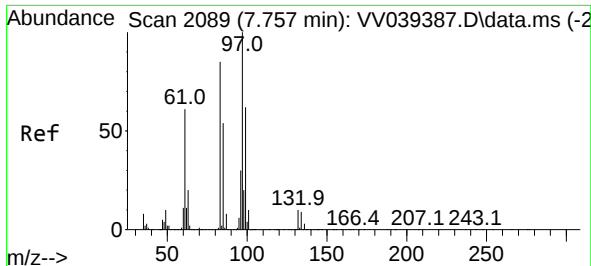
Tgt Ion: 91 Resp: 76716
Ion Ratio Lower Upper
91 100
92 54.9 40.4 75.0



#44
trans-1,3-Dichloropropene
Concen: 1.569 ug/L
RT: 7.583 min Scan# 2035
Delta R.T. 0.013 min
Lab File: VV039393.D
Acq: 17 Nov 2025 15:41

Tgt Ion: 75 Resp: 22647
Ion Ratio Lower Upper
75 100
77 32.7 23.0 42.6

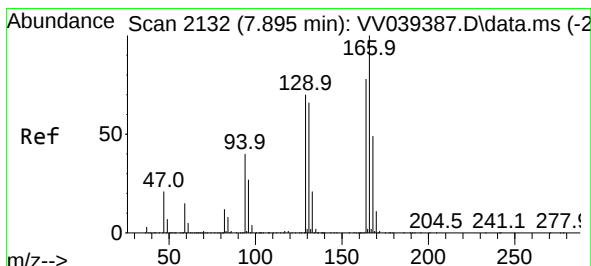
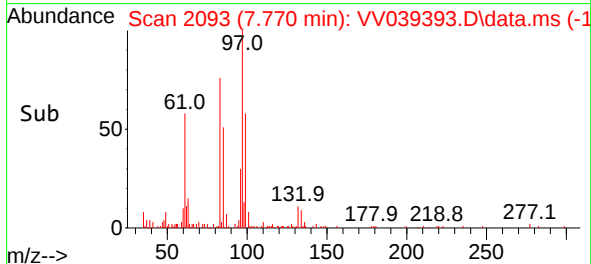
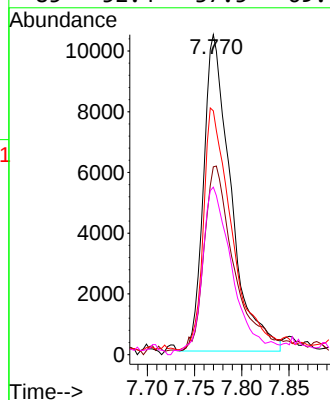
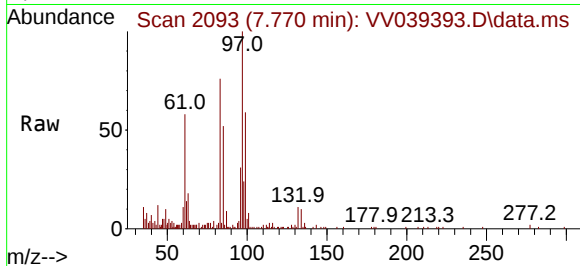




#45
1,1,2-Trichloroethane
Concen: 2.079 ug/L
RT: 7.770 min Scan# 21021
Delta R.T. 0.013 min
Lab File: VV039393.D
Acq: 17 Nov 2025 15:41

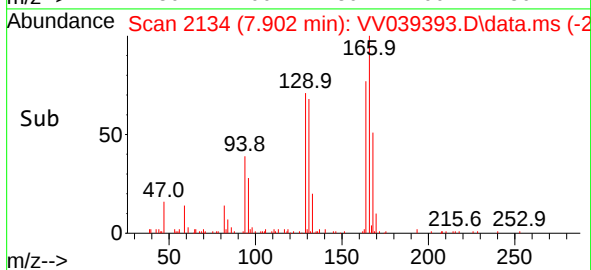
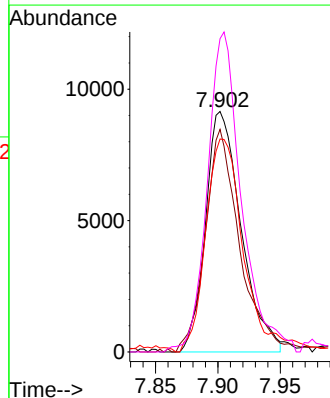
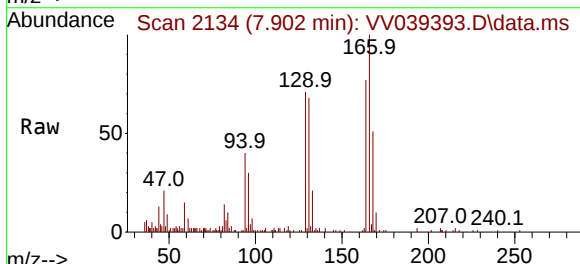
Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT4-2025-07

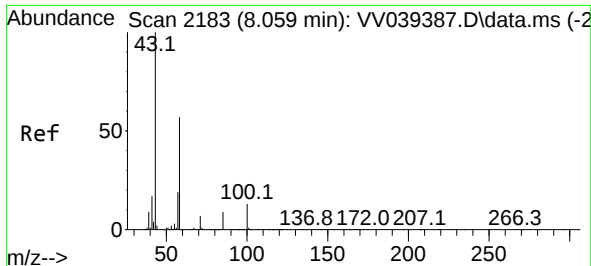
Tgt Ion: 97	Resp: 21021
Ion Ratio	Lower Upper
97 100	
99 58.7	43.7 81.1
83 76.2	59.1 109.9
85 52.4	37.5 69.7



#46
Tetrachloroethene
Concen: 2.129 ug/L
RT: 7.902 min Scan# 2134
Delta R.T. 0.006 min
Lab File: VV039393.D
Acq: 17 Nov 2025 15:41

Tgt	Ion:164	Resp:	18166
Ion	Ratio	Lower	Upper
164	100		
129	92.5	62.0	115.2
131	88.5	59.1	109.7
166	130.3	89.2	165.8





#48

2-Hexanone

Concen: 3.910 ug/L

RT: 8.082 min Scan# 2183

Delta R.T. 0.022 min

Lab File: VV039393.D

Acq: 17 Nov 2025 15:41

Instrument :

MSVOA_V

ClientSampleId :

MDL-WATER-QT4-2025-07

Tgt Ion: 43 Resp: 39925

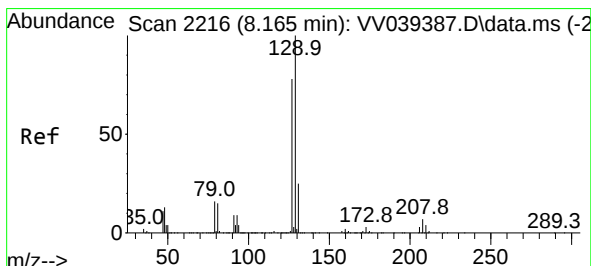
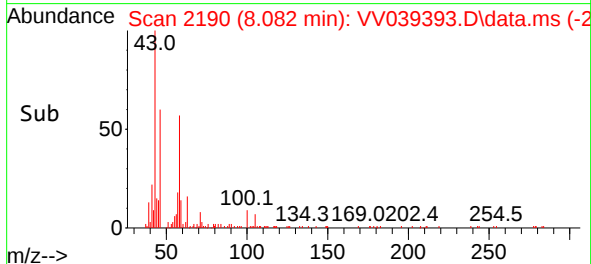
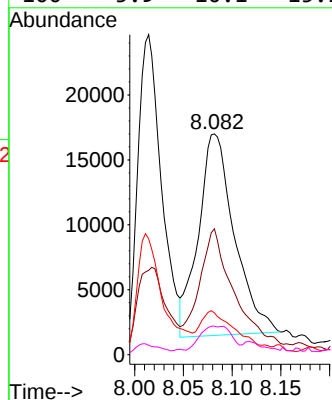
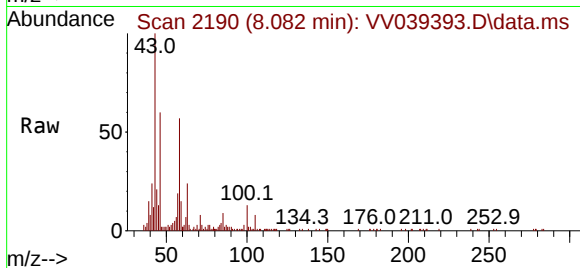
Ion Ratio Lower Upper

43 100

58 45.9 45.0 67.4

57 19.9 15.0 22.6

100 5.9 10.1 15.1#



#49

Dibromochloromethane

Concen: 2.048 ug/L

RT: 8.172 min Scan# 2218

Delta R.T. 0.006 min

Lab File: VV039393.D

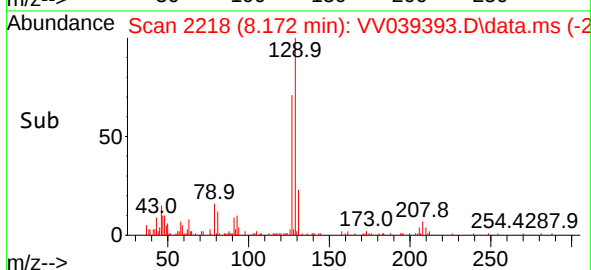
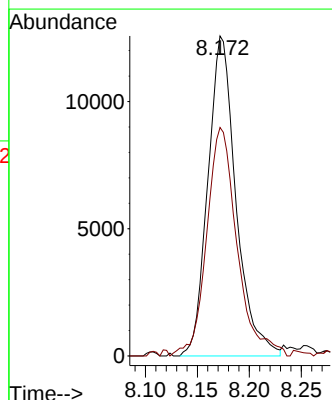
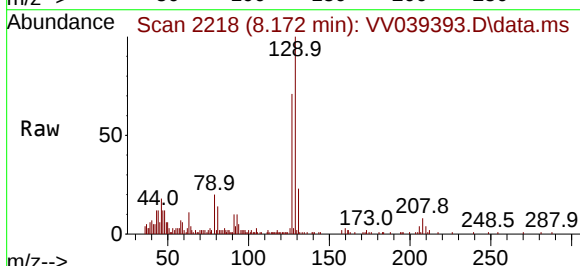
Acq: 17 Nov 2025 15:41

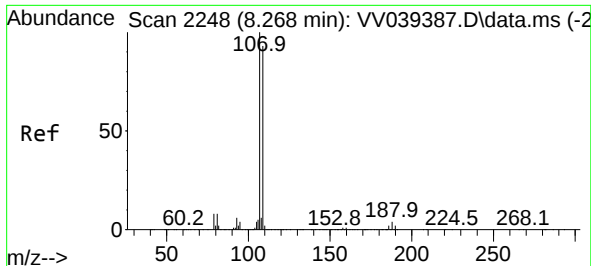
Tgt Ion: 129 Resp: 23652

Ion Ratio Lower Upper

129 100

127 71.4 54.8 101.8





#50

1,2-Dibromoethane

Concen: 2.017 ug/L

RT: 8.284 min Scan# 21974

Delta R.T. 0.016 min

Lab File: VV039393.D

Acq: 17 Nov 2025 15:41

Instrument :

MSVOA_V

ClientSampleId :

MDL-WATER-QT4-2025-07

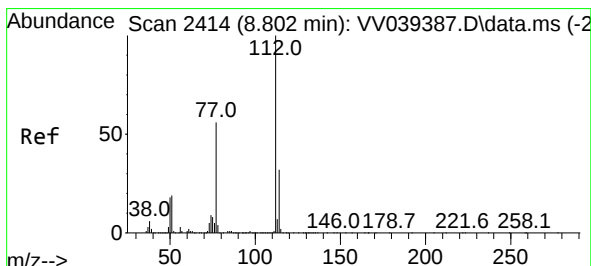
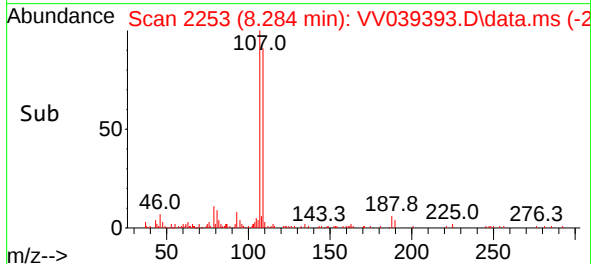
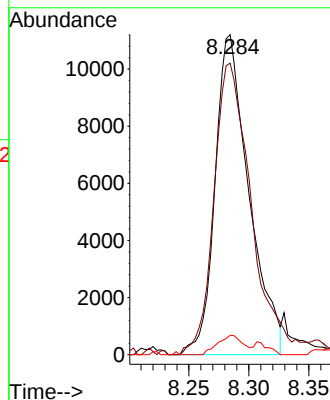
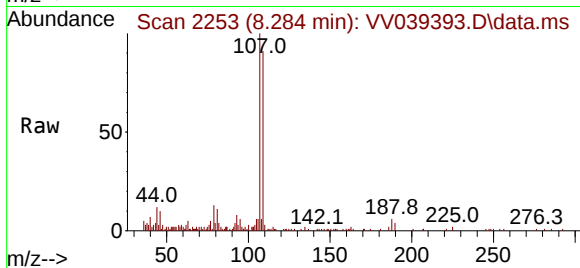
Tgt Ion:107 Resp: 21974

Ion Ratio Lower Upper

107 100

109 91.1 65.0 120.8

188 6.1 3.2 4.8#



#51

Chlorobenzene

Concen: 2.075 ug/L

RT: 8.808 min Scan# 2416

Delta R.T. 0.006 min

Lab File: VV039393.D

Acq: 17 Nov 2025 15:41

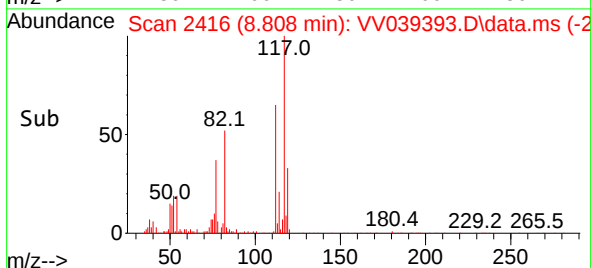
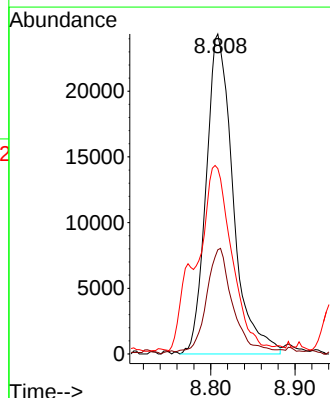
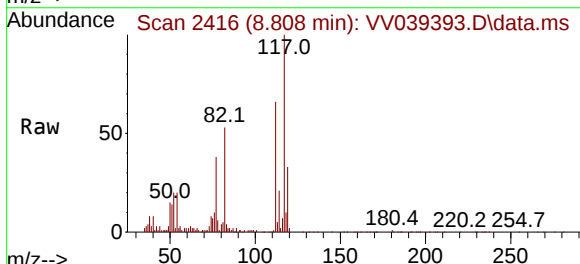
Tgt Ion:112 Resp: 54197

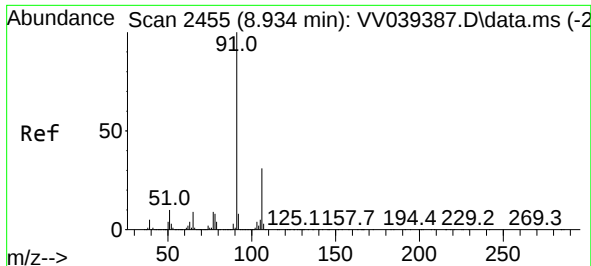
Ion Ratio Lower Upper

112 100

114 32.6 22.4 41.6

77 57.9 45.1 67.7

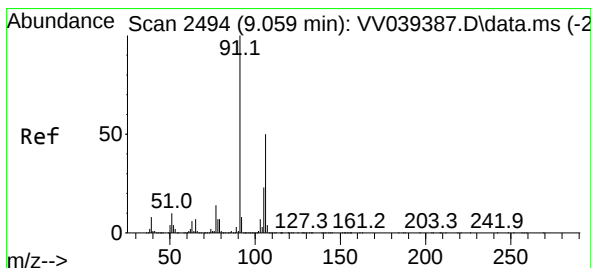
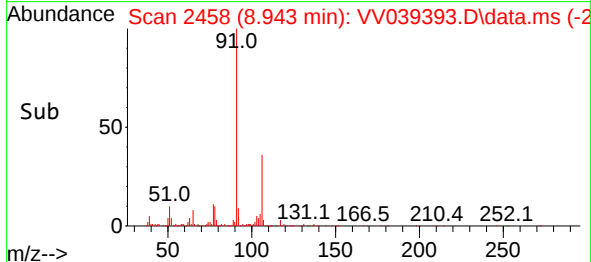
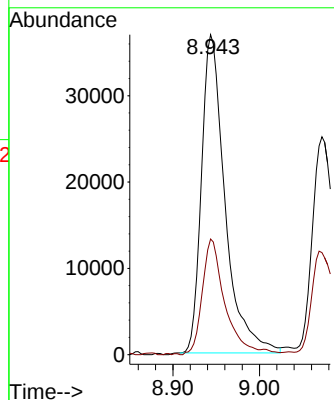
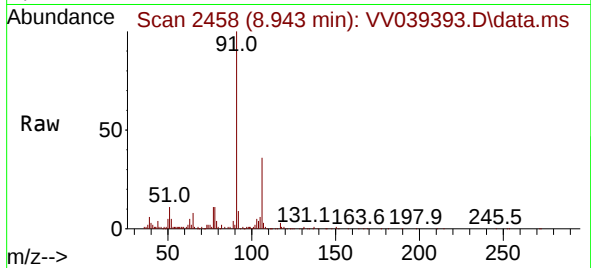




#52
Ethylbenzene
Concen: 1.763 ug/L
RT: 8.943 min Scan# 2455
Delta R.T. 0.010 min
Lab File: VV039393.D
Acq: 17 Nov 2025 15:41

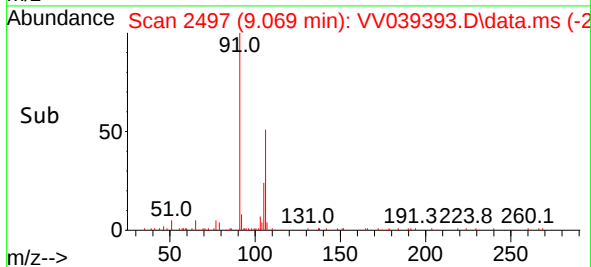
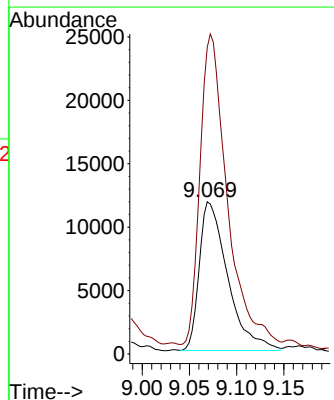
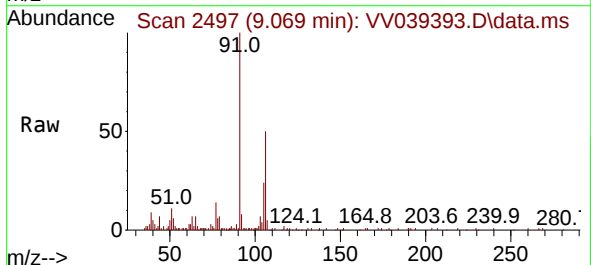
Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT4-2025-07

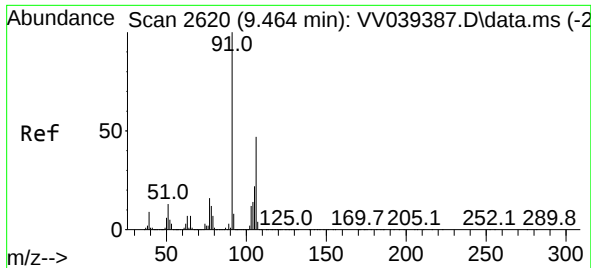
Tgt Ion: 91 Resp: 69821
Ion Ratio Lower Upper
91 100
106 36.1 21.8 40.4



#53
m,p-Xylene
Concen: 1.618 ug/L
RT: 9.069 min Scan# 2497
Delta R.T. 0.010 min
Lab File: VV039393.D
Acq: 17 Nov 2025 15:41

Tgt Ion: 106 Resp: 24520
Ion Ratio Lower Upper
106 100
91 201.5 141.1 262.1

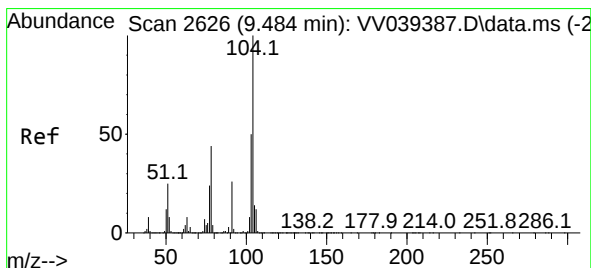
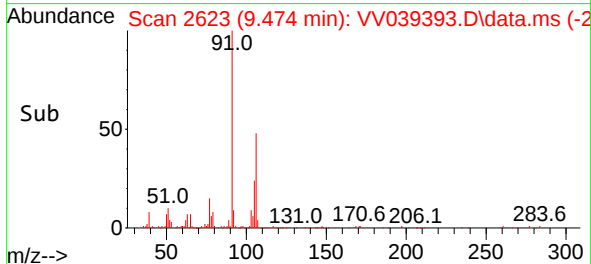
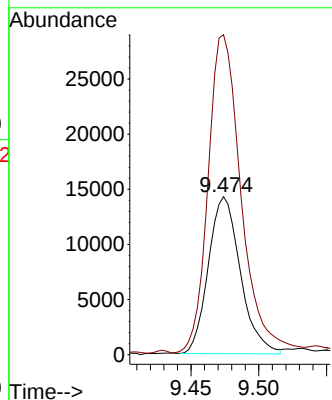
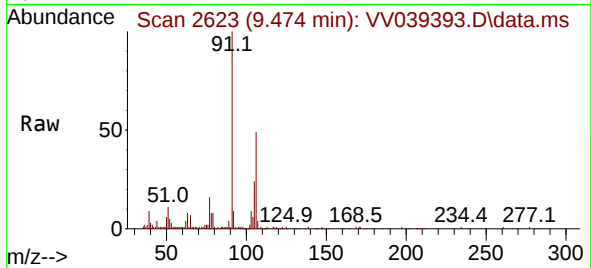




#54
o-Xylene
Concen: 1.616 ug/L
RT: 9.474 min Scan# 2620
Delta R.T. 0.010 min
Lab File: VV039393.D
Acq: 17 Nov 2025 15:41

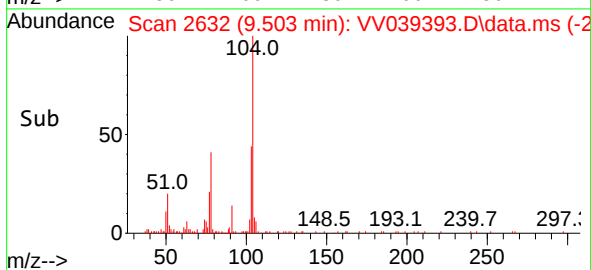
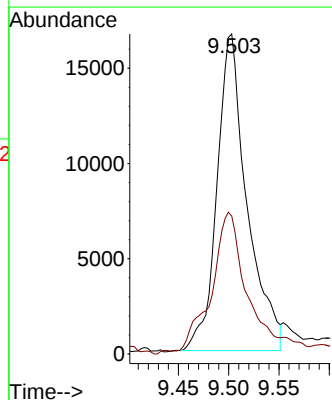
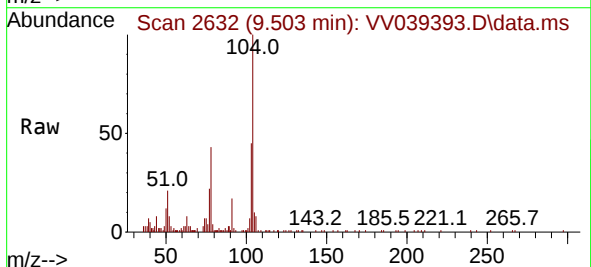
Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT4-2025-07

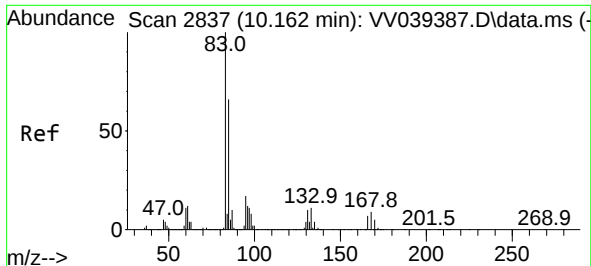
Tgt Ion:106 Resp: 23410
Ion Ratio Lower Upper
106 100
91 202.6 149.0 276.6



#55
Styrene
Concen: 1.357 ug/L
RT: 9.503 min Scan# 2632
Delta R.T. 0.019 min
Lab File: VV039393.D
Acq: 17 Nov 2025 15:41

Tgt Ion:104 Resp: 34569
Ion Ratio Lower Upper
104 100
78 43.1 30.5 56.7

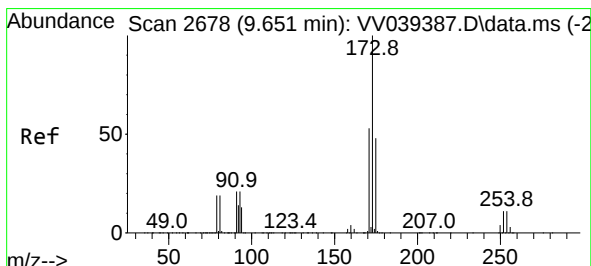
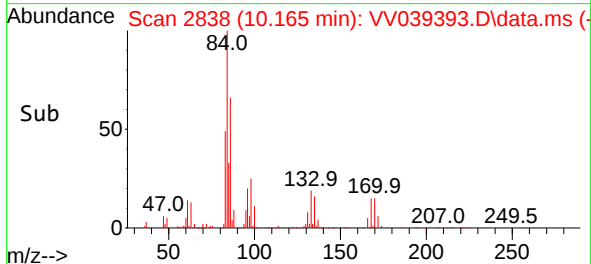
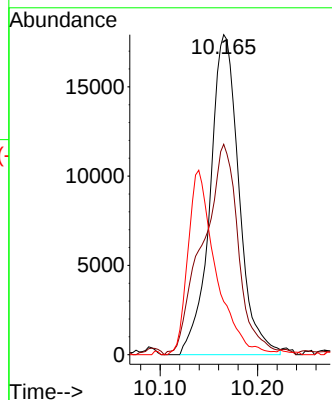
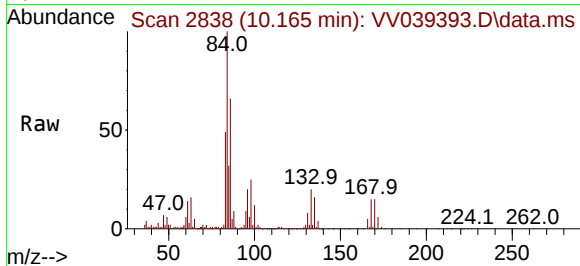




#57
1,1,2,2-Tetrachloroethane
Concen: 2.274 ug/L
RT: 10.165 min Scan# 21
Delta R.T. 0.003 min
Lab File: VV039393.D
Acq: 17 Nov 2025 15:41

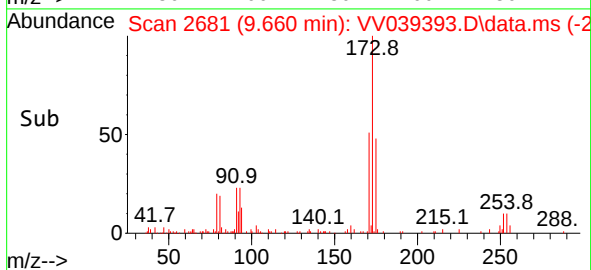
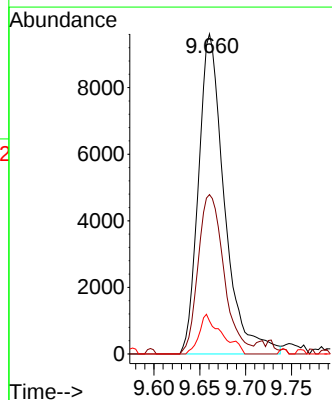
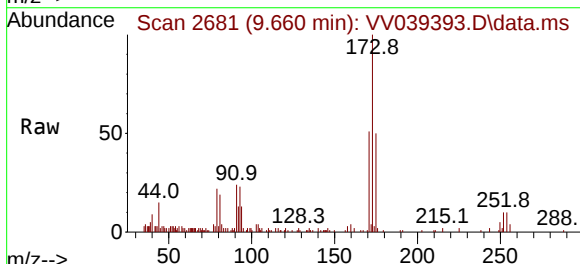
Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT4-2025-07

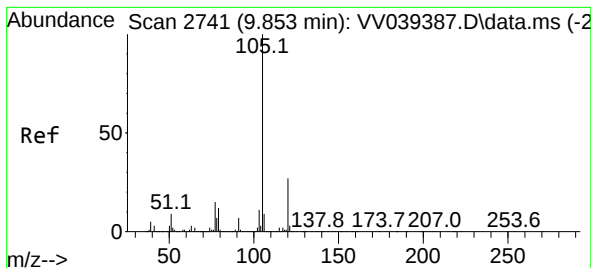
Tgt Ion: 83 Resp: 36937
Ion Ratio Lower Upper
83 100
85 65.8 46.1 85.5
131 16.6 8.3 12.5#



#59
Bromoform
Concen: 2.273 ug/L
RT: 9.660 min Scan# 2681
Delta R.T. 0.010 min
Lab File: VV039393.D
Acq: 17 Nov 2025 15:41

Tgt Ion: 173 Resp: 18871
Ion Ratio Lower Upper
173 100
175 49.7 38.5 57.7
254 9.5 8.4 12.6





#60

Isopropylbenzene

Concen: 1.849 ug/L

RT: 9.860 min Scan# 21

Delta R.T. 0.006 min

Lab File: VV039393.D

Acq: 17 Nov 2025 15:41

Instrument :

MSVOA_V

ClientSampleId :

MDL-WATER-QT4-2025-07

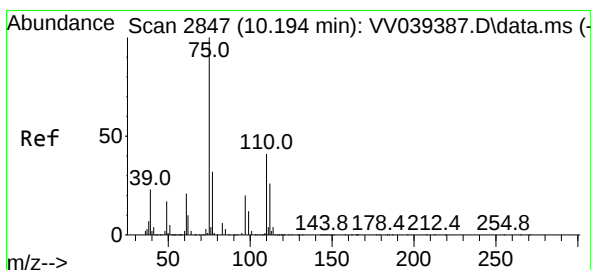
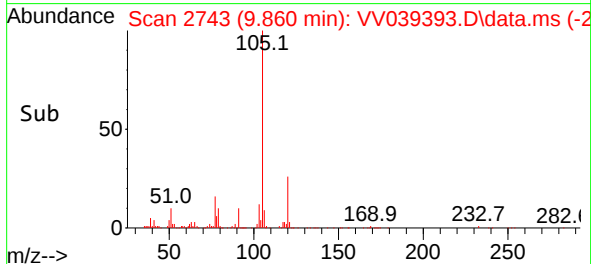
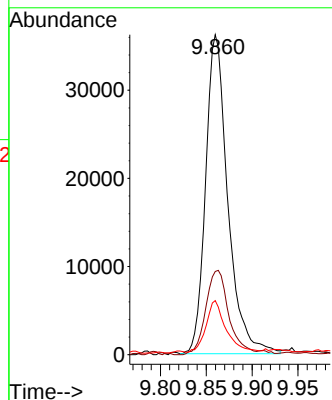
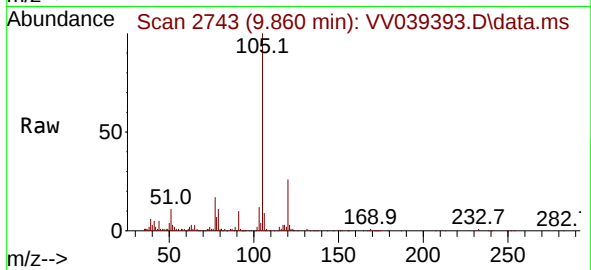
Tgt Ion:105 Resp: 61059

Ion Ratio Lower Upper

105 100

120 27.4 21.4 32.0

77 14.3 12.3 18.5



#61

1,2,3-Trichloropropane

Concen: 2.380 ug/L

RT: 10.201 min Scan# 2849

Delta R.T. 0.006 min

Lab File: VV039393.D

Acq: 17 Nov 2025 15:41

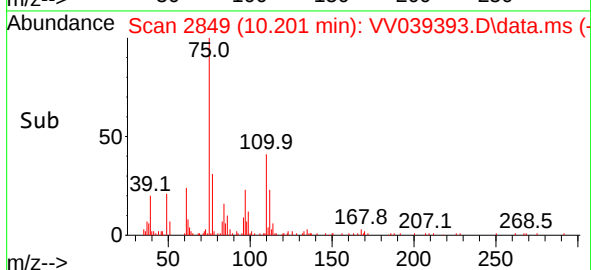
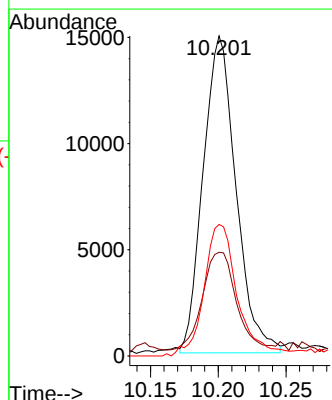
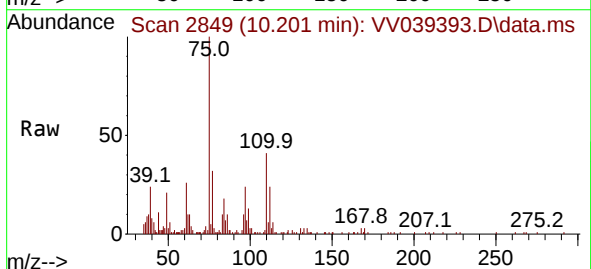
Tgt Ion: 75 Resp: 25177

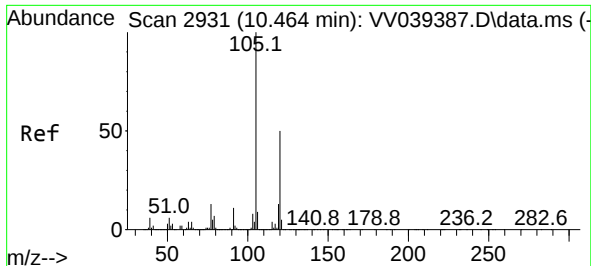
Ion Ratio Lower Upper

75 100

77 31.8 25.7 38.5

110 42.0 32.6 49.0

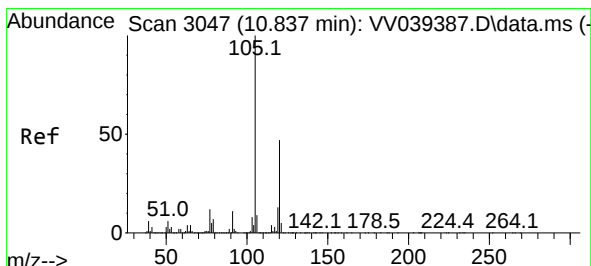
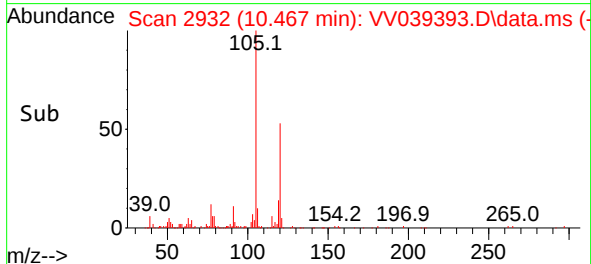
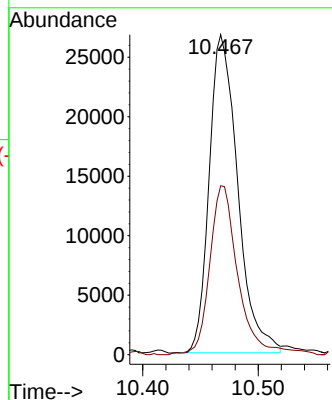
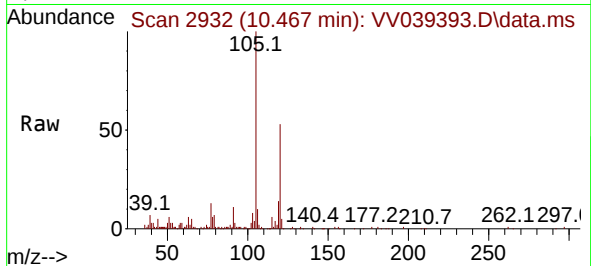




#62
 1,3,5-Trimethylbenzene
 Concen: 1.777 ug/L
 RT: 10.467 min Scan# 2931
 Delta R.T. 0.003 min
 Lab File: VV039393.D
 Acq: 17 Nov 2025 15:41

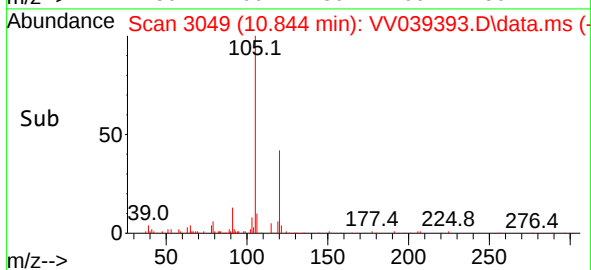
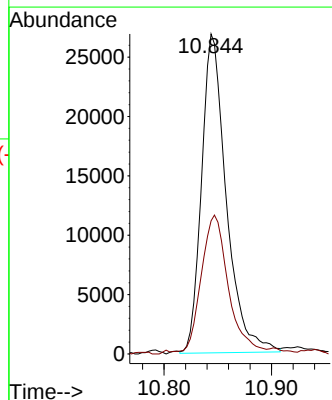
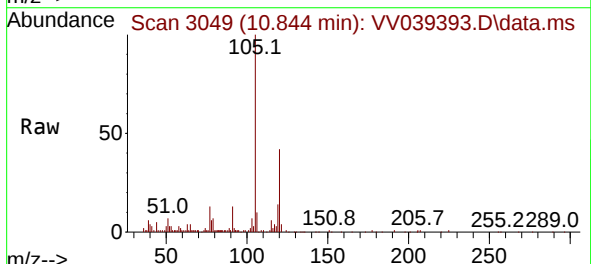
Instrument :
 MSVOA_V
 ClientSampleId :
 MDL-WATER-QT4-2025-07

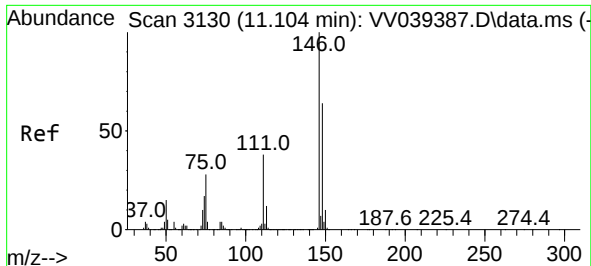
Tgt Ion:105 Resp: 45832
 Ion Ratio Lower Upper
 105 100
 120 52.7 39.8 59.8



#63
 1,2,4-Trimethylbenzene
 Concen: 1.692 ug/L
 RT: 10.844 min Scan# 3049
 Delta R.T. 0.006 min
 Lab File: VV039393.D
 Acq: 17 Nov 2025 15:41

Tgt Ion:105 Resp: 42908
 Ion Ratio Lower Upper
 105 100
 120 48.2 37.4 56.2

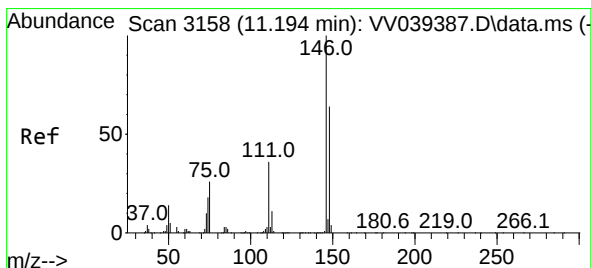
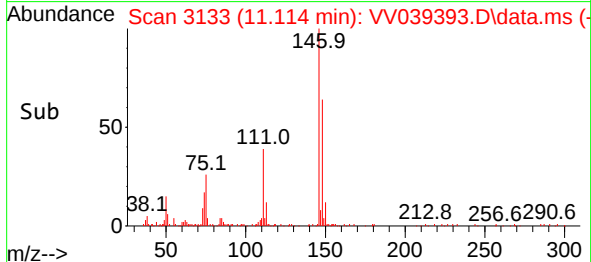
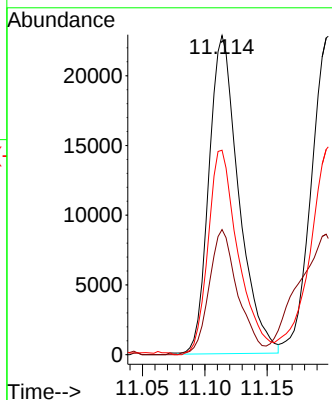
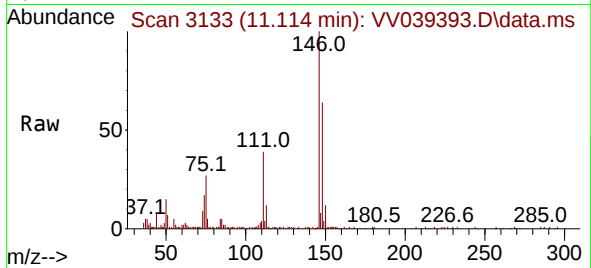




#64
1,3-Dichlorobenzene
Concen: 2.118 ug/L
RT: 11.114 min Scan# 3114
Delta R.T. 0.010 min
Lab File: VV039393.D
Acq: 17 Nov 2025 15:41

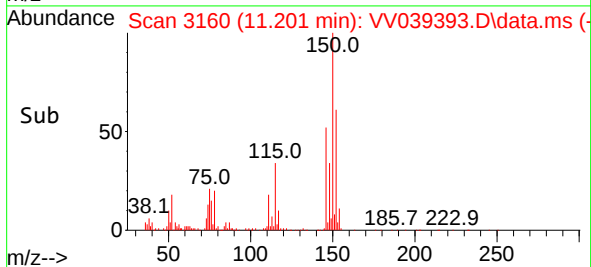
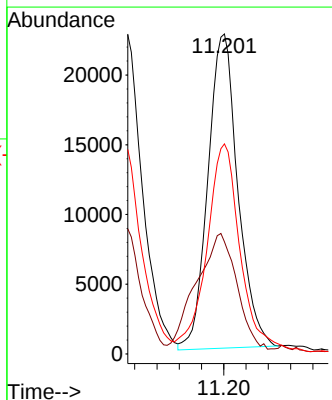
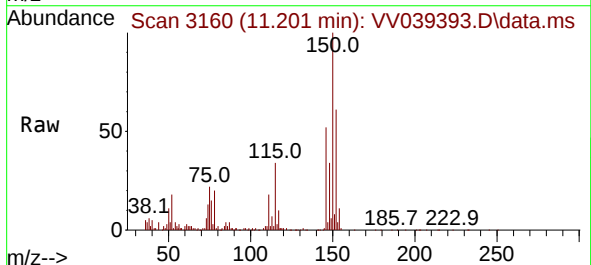
Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT4-2025-07

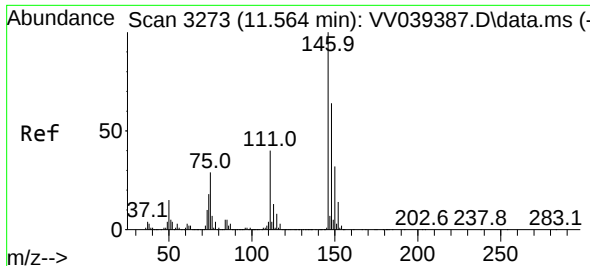
Tgt Ion:146 Resp: 38074
Ion Ratio Lower Upper
146 100
111 39.2 26.5 49.3
148 64.0 44.6 82.8



#65
1,4-Dichlorobenzene
Concen: 2.174 ug/L
RT: 11.201 min Scan# 3160
Delta R.T. 0.006 min
Lab File: VV039393.D
Acq: 17 Nov 2025 15:41

Tgt Ion:146 Resp: 42109
Ion Ratio Lower Upper
146 100
111 35.1 25.6 47.4
148 65.7 44.9 83.5

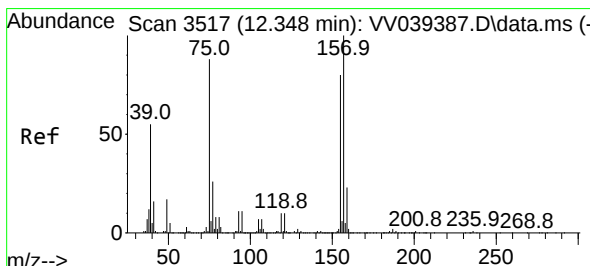
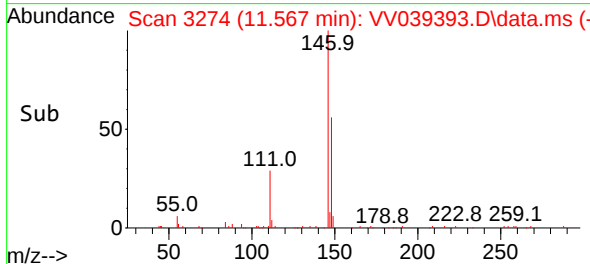
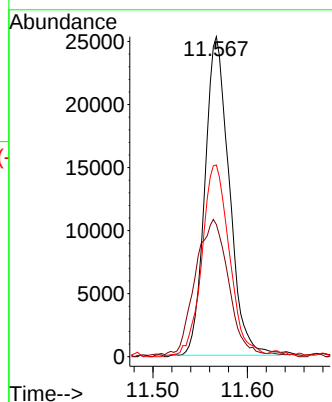
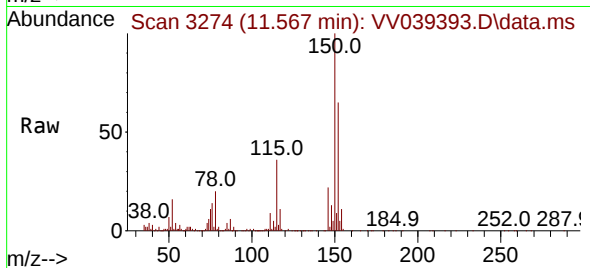




#67
 1,2-Dichlorobenzene
 Concen: 2.517 ug/L
 RT: 11.567 min Scan# 31
 Delta R.T. 0.003 min
 Lab File: VV039393.D
 Acq: 17 Nov 2025 15:41

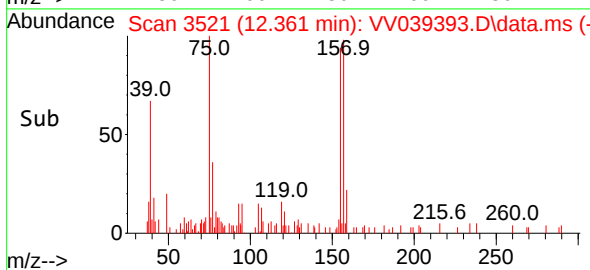
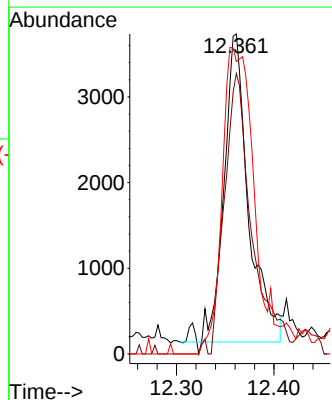
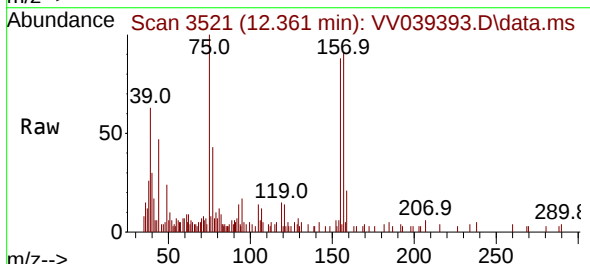
Instrument :
 MSVOA_V
 ClientSampleId :
 MDL-WATER-QT4-2025-07

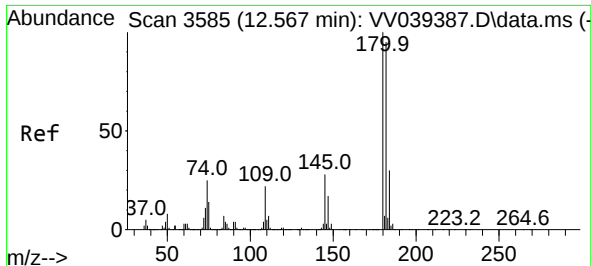
Tgt Ion:	146	Resp:	45201
Ion Ratio	Lower	Upper	
146	100		
111	41.3	32.2	48.2
148	59.9	51.6	77.4



#68
 1,2-Dibromo-3-chloropropane
 Concen: 2.137 ug/L
 RT: 12.361 min Scan# 3521
 Delta R.T. 0.013 min
 Lab File: VV039393.D
 Acq: 17 Nov 2025 15:41

Tgt Ion:	75	Resp:	6347
Ion Ratio	Lower	Upper	
75	100		
155	87.7	73.0	109.4
157	91.5	91.0	136.4

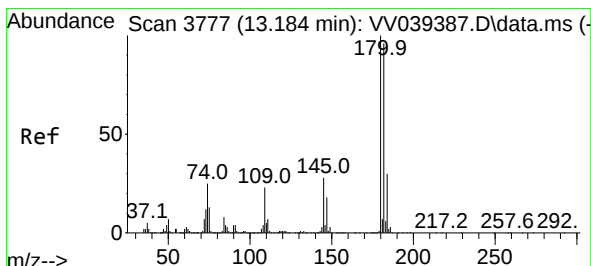
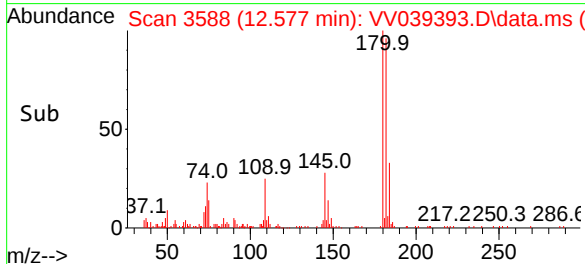
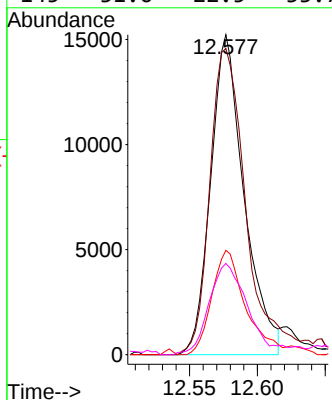
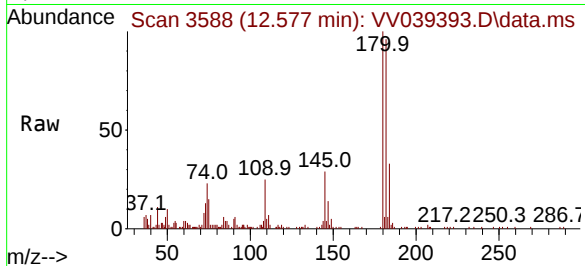




#69
1,3,5-Trichlorobenzene
Concen: 2.041 ug/L
RT: 12.577 min Scan# 31
Delta R.T. 0.010 min
Lab File: VV039393.D
Acq: 17 Nov 2025 15:41

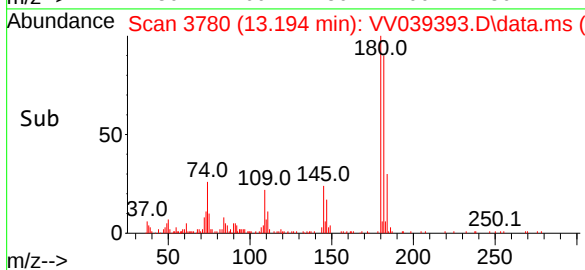
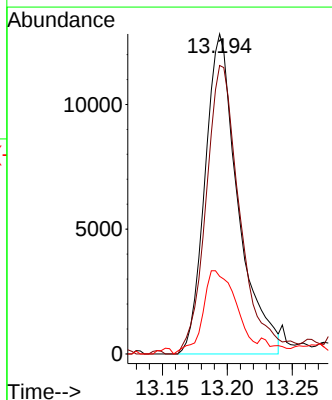
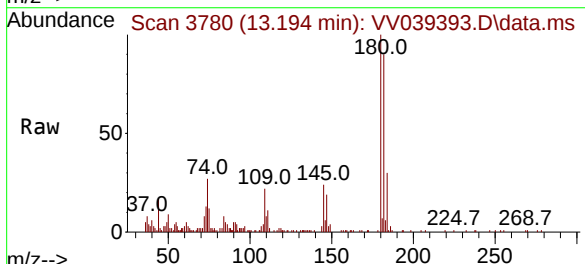
Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT4-2025-07

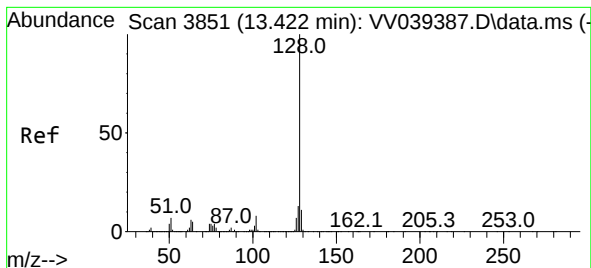
Tgt Ion:	180	Resp:	26133
Ion Ratio	Lower	Upper	
180	100		
182	103.1	75.8	113.8
184	32.9	24.3	36.5
145	31.6	22.5	33.7



#70
1,2,4-trichlorobenzene
Concen: 2.027 ug/L
RT: 13.194 min Scan# 3780
Delta R.T. 0.010 min
Lab File: VV039393.D
Acq: 17 Nov 2025 15:41

Tgt Ion:	180	Resp:	22622
Ion Ratio	Lower	Upper	
180	100		
182	91.8	76.1	114.1
145	26.4	22.5	33.7





#71

Naphthalene

Concen: 1.619 ug/L

RT: 13.435 min Scan# 3855

Delta R.T. 0.013 min

Lab File: VV039393.D

Acq: 17 Nov 2025 15:41

Instrument :

MSVOA_V

ClientSampleId :

MDL-WATER-QT4-2025-07

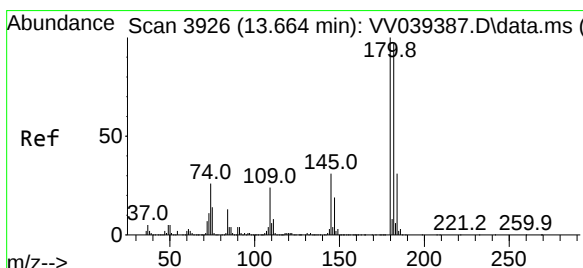
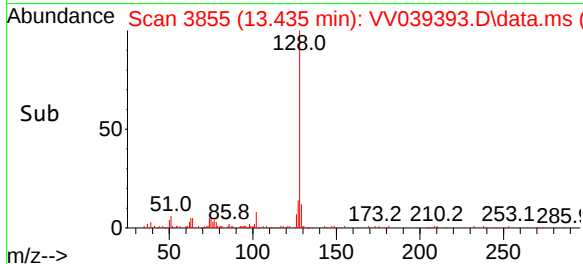
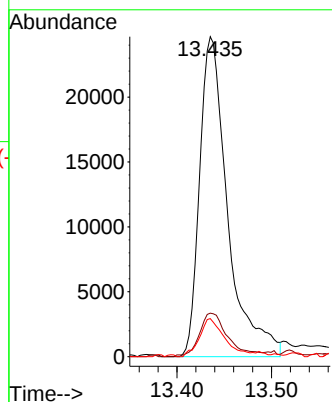
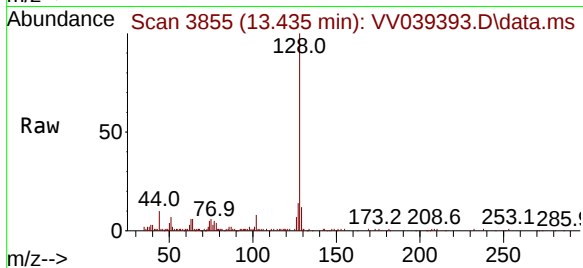
Tgt Ion:128 Resp: 50855

Ion Ratio Lower Upper

128 100

127 12.6 10.6 16.0

129 10.8 8.7 13.1



#72

1,2,3-Trichlorobenzene

Concen: 1.954 ug/L

RT: 13.673 min Scan# 3929

Delta R.T. 0.010 min

Lab File: VV039393.D

Acq: 17 Nov 2025 15:41

Tgt Ion:180 Resp: 22597

Ion Ratio Lower Upper

180 100

182 93.6 76.6 115.0

145 31.0 24.3 36.5

