

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VW111825\
 Data File : VW039400.D
 Acq On : 18 Nov 2025 11:13
 Operator : SY/MD
 Sample : Q3589-02
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL-WATER-QT4-2025-08

Quant Time: Nov 19 03:53:10 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM111725WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Nov 19 03:46:50 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	5.532	114	1098885	50.000	ug/L	0.00
28) Chlorobenzene-d5	8.773	117	1122859	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.172	152	549138	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.294	65	509800	47.603	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	95.200%
7) Chloroethane-d5	1.545	69	388733	48.618	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	97.240%
11) 1,1-Dichloroethene-d2	2.072	65	216502	48.030	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	96.060%
21) 2-Butanone-d5	3.783	46	494555	87.459	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	87.460%
24) Chloroform-d	4.249	84	852437	48.028	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.060%
26) 1,2-Dichloroethane-d4	4.937	65	541718	49.047	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.100%
32) Benzene-d6	4.960	84	1647506	49.191	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.380%
36) 1,2-Dichloropropane-d6	5.982	67	532731	50.965	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	101.940%
41) Toluene-d8	7.236	98	1455557	47.056	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.120%
43) trans-1,3-Dichloroprop...	7.545	79	235109	44.581	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.160%
47) 2-Hexanone-d5	8.011	63	364930	91.388	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	91.390%
56) 1,1,2,2-Tetrachloroeth...	10.140	84	700282	45.833	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	91.660%
66) 1,2-Dichlorobenzene-d4	11.545	152	561230	54.410	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	108.820%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.121	85	18284	2.372	ug/L	99
3) Chloromethane	1.230	50	22993	2.721	ug/L	98
5) Vinyl chloride	1.153	62	45	0.005	ug/L	98
6) Bromomethane	1.500	94	16485	3.108	ug/L	95
8) Chloroethane	1.564	64	18676	2.980	ug/L	93
9) Trichlorofluoromethane	1.728	101	38654	2.509	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.079	101	28395	3.033	ug/L	87
12) 1,1-Dichloroethene	2.352	96	15	0.002	ug/L	83
13) Acetone	2.124	43	33933	4.433	ug/L	91
14) Carbon disulfide	2.256	76	60181	2.631	ug/L	99
15) Methyl Acetate	2.272	43	277	0.028	ug/L	96
16) Methylene chloride	2.461	84	25553	2.707	ug/L	95
17) trans-1,2-Dichloroethene	2.712	96	18770	2.234	ug/L	95
18) Methyl tert-butyl Ether	2.715	73	52272	2.038	ug/L	96
19) 1,1-Dichloroethane	3.127	63	37509	2.252	ug/L	98
20) cis-1,2-Dichloroethene	3.831	96	20767	2.295	ug/L	90
22) 2-Butanone	3.892	43	7095	0.932	ug/L	80
23) Bromochloromethane	4.166	128	13711	2.566	ug/L	93
25) Chloroform	4.281	83	60517	3.328	ug/L	99

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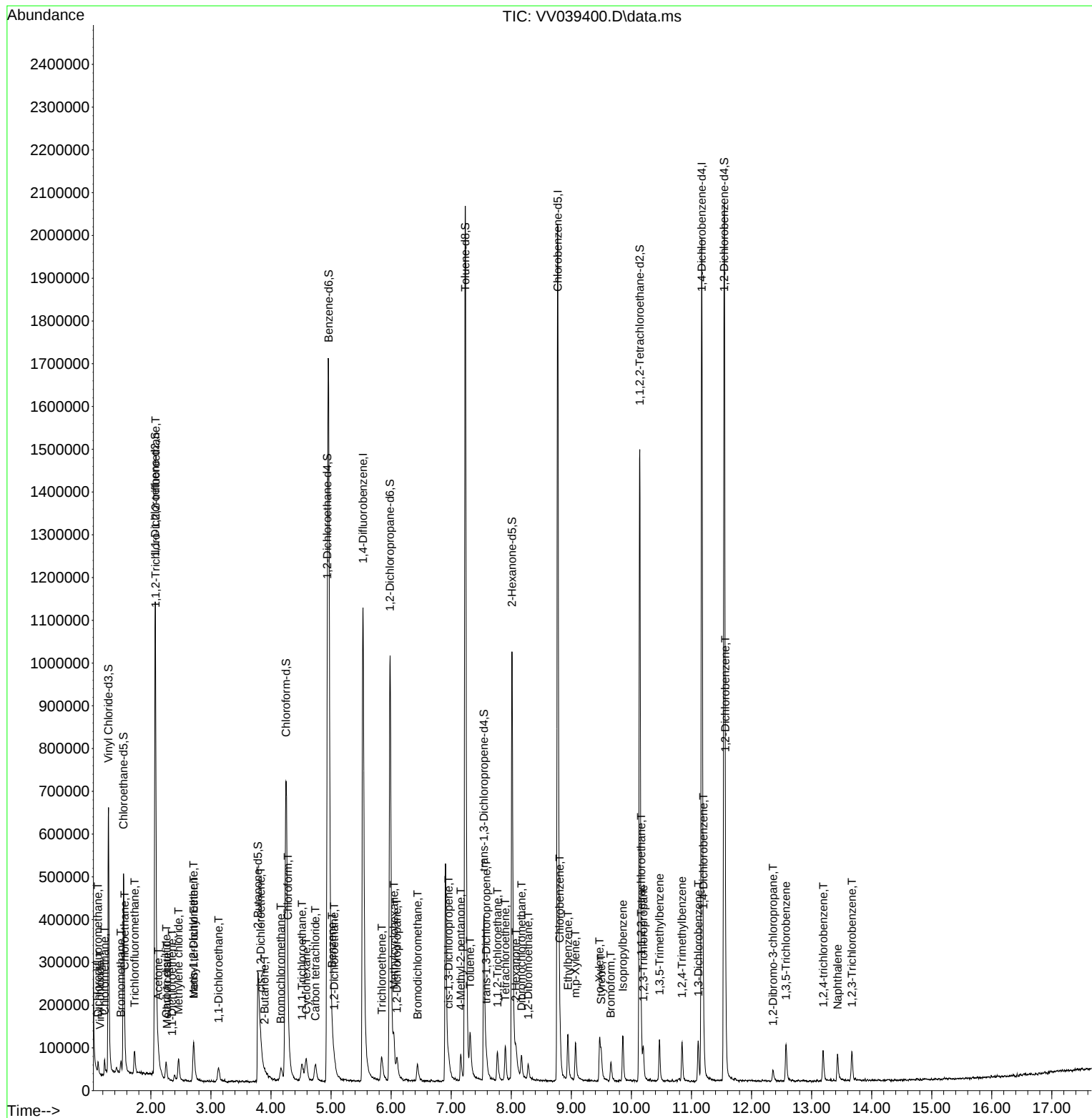
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.053	62	30838	2.301	ug/L	99
29) Cyclohexane	4.587	56	26377	1.984	ug/L	95
30) 1,1,1-Trichloroethane	4.516	97	38528	2.426	ug/L	99
31) Carbon tetrachloride	4.738	117	33060	2.261	ug/L	93
33) Benzene	5.014	78	88197	2.516	ug/L	100
34) Trichloroethene	5.847	95	21229	2.241	ug/L	94
35) Methylcyclohexane	6.047	83	26084	1.874	ug/L #	82
37) 1,2-Dichloropropane	6.095	63	24048	2.425	ug/L #	89
38) Bromodichloromethane	6.439	83	31997	2.321	ug/L	96
39) cis-1,3-Dichloropropene	6.956	75	30519	1.999	ug/L	98
40) 4-Methyl-2-pentanone	7.159	43	44198	3.546	ug/L	97
42) Toluene	7.317	91	91212	2.455	ug/L	98
44) trans-1,3-Dichloropropene	7.583	75	33870	2.301	ug/L	93
45) 1,1,2-Trichloroethane	7.770	97	24435	2.369	ug/L	97
46) Tetrachloroethene	7.902	164	20396	2.344	ug/L	96
48) 2-Hexanone	8.079	43	46204	4.437	ug/L #	90
49) Dibromochloromethane	8.172	129	29301	2.487	ug/L	92
50) 1,2-Dibromoethane	8.281	107	27548	2.480	ug/L #	97
51) Chlorobenzene	8.805	112	64639	2.427	ug/L	98
52) Ethylbenzene	8.943	91	81904	2.028	ug/L	96
53) m,p-Xylene	9.069	106	28295	1.830	ug/L	98
54) o-Xylene	9.471	106	28184	1.908	ug/L	92
55) Styrene	9.497	104	44857	1.727	ug/L	96
57) 1,1,2,2-Tetrachloroethane	10.165	83	42764	2.581	ug/L #	97
59) Bromoform	9.657	173	23537	2.801	ug/L	96
60) Isopropylbenzene	9.857	105	71664	2.144	ug/L	100
61) 1,2,3-Trichloropropane	10.197	75	29481	2.753	ug/L	96
62) 1,3,5-Trimethylbenzene	10.468	105	52475	2.010	ug/L	97
63) 1,2,4-Trimethylbenzene	10.844	105	50236	1.957	ug/L	96
64) 1,3-Dichlorobenzene	11.114	146	43968	2.416	ug/L	100
65) 1,4-Dichlorobenzene	11.197	146	49952	2.548	ug/L	98
67) 1,2-Dichlorobenzene	11.564	146	54692	3.009	ug/L	96
68) 1,2-Dibromo-3-chloropr...	12.358	75	8627	2.870	ug/L	95
69) 1,3,5-Trichlorobenzene	12.574	180	32910	2.539	ug/L	99
70) 1,2,4-trichlorobenzene	13.194	180	23493	2.080	ug/L	90
71) Naphthalene	13.432	128	58894	1.852	ug/L	99
72) 1,2,3-Trichlorobenzene	13.670	180	26530	2.267	ug/L	94

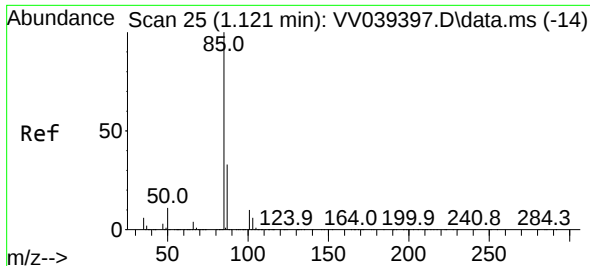
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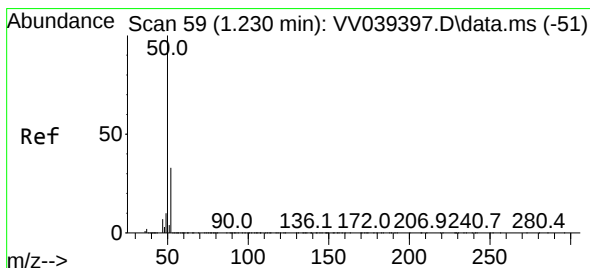
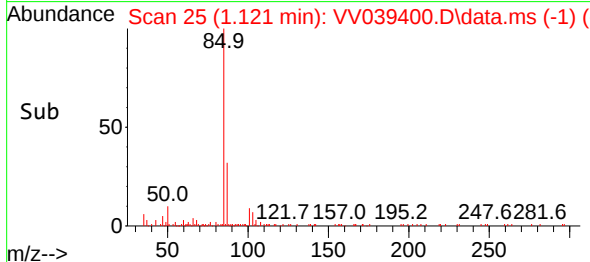
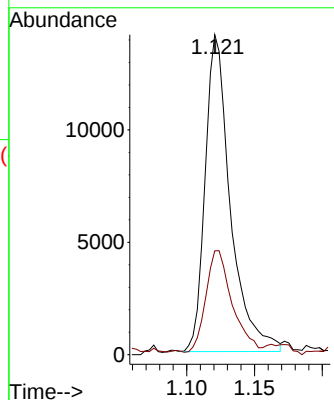
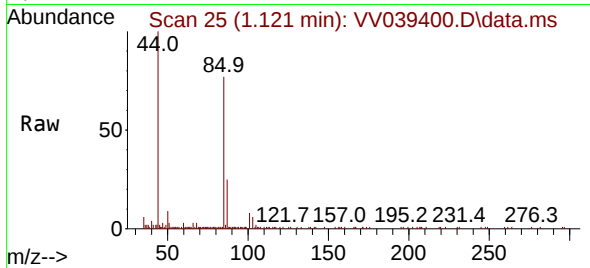




#2
 Dichlorodifluoromethane
 Concen: 2.372 ug/L
 RT: 1.121 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VV039400.D
 Acq: 18 Nov 2025 11:13

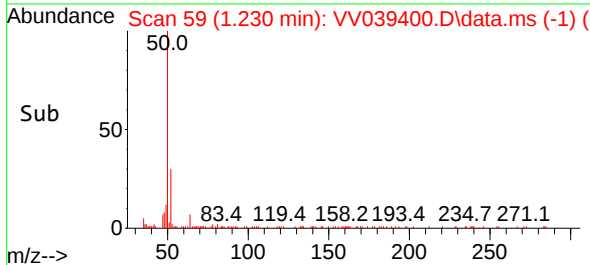
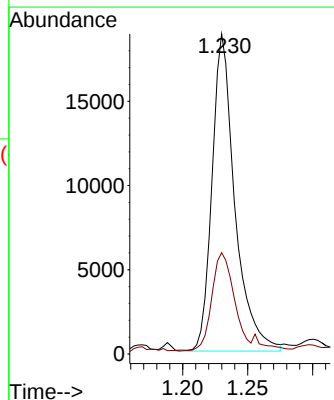
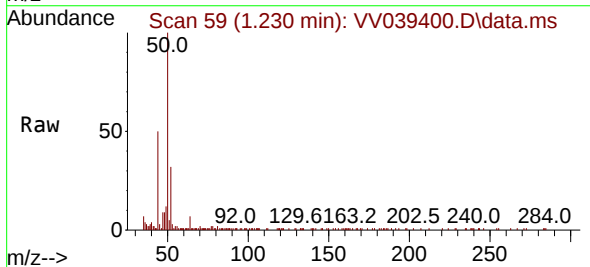
Instrument : MSVOA_V
 ClientSampleId : MDL-WATER-QT4-2025-08

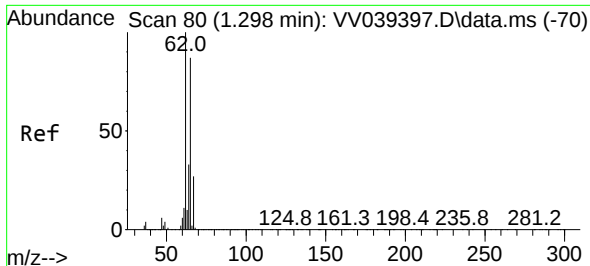
Tgt Ion: 85 Resp: 18284
 Ion Ratio Lower Upper
 85 100
 87 33.2 26.1 39.1



#3
 Chloromethane
 Concen: 2.721 ug/L
 RT: 1.230 min Scan# 59
 Delta R.T. -0.000 min
 Lab File: VV039400.D
 Acq: 18 Nov 2025 11:13

Tgt Ion: 50 Resp: 22993
 Ion Ratio Lower Upper
 50 100
 52 31.6 22.7 42.3

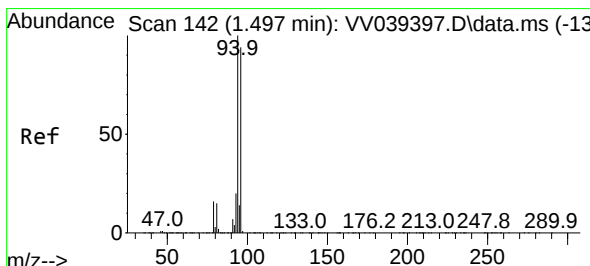
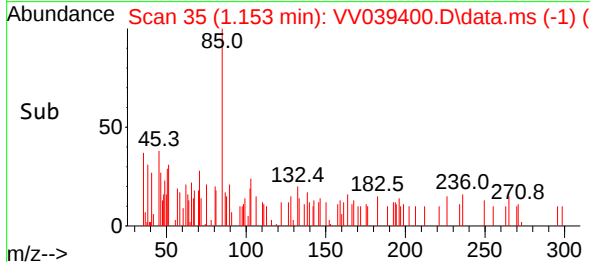
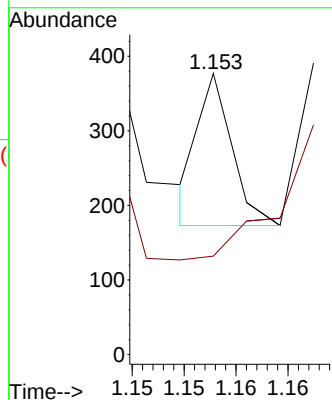
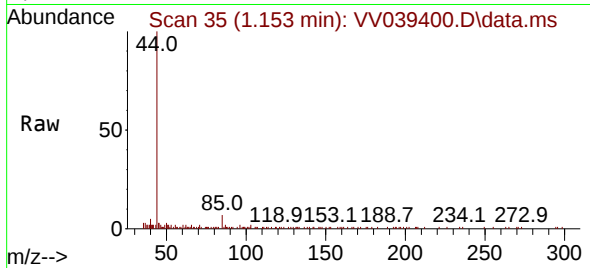




#5
 Vinyl chloride
 Concen: 0.005 ug/L
 RT: 1.153 min Scan# 31
 Delta R.T. -0.145 min
 Lab File: VV039400.D
 Acq: 18 Nov 2025 11:13

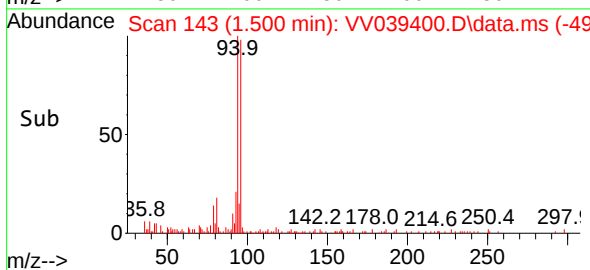
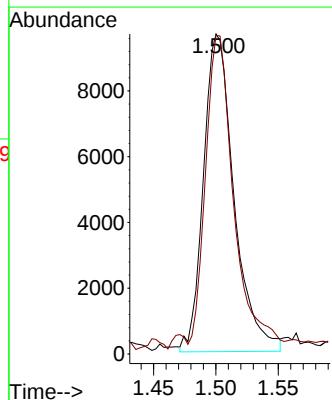
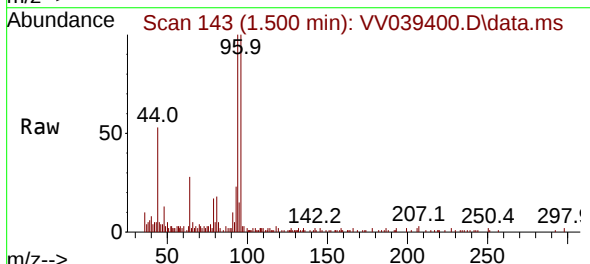
Instrument :
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 ClientSampleId :
 MDL-WATER-QT4-2025-08

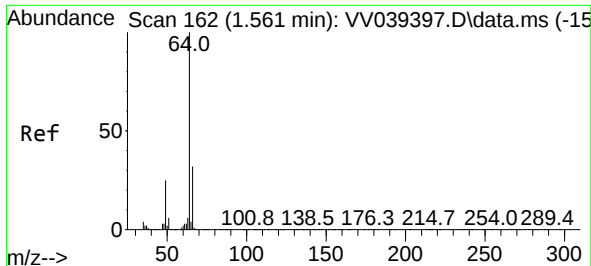
Tgt Ion: 62 Resp: 45
 Ion Ratio Lower Upper
 62 100
 64 35.0 23.7 44.1



#6
 Bromomethane
 Concen: 3.108 ug/L
 RT: 1.500 min Scan# 143
 Delta R.T. 0.003 min
 Lab File: VV039400.D
 Acq: 18 Nov 2025 11:13

Tgt Ion: 94 Resp: 16485
 Ion Ratio Lower Upper
 94 100
 96 99.6 66.6 123.8

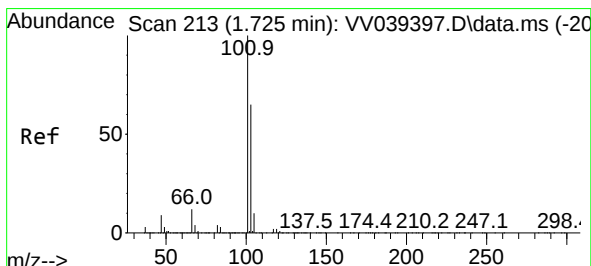
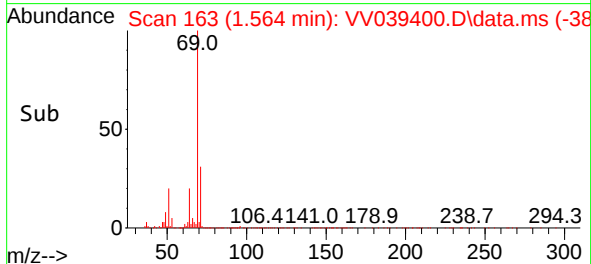
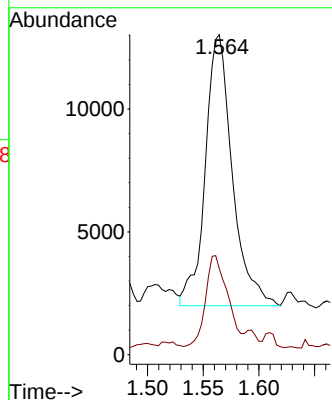
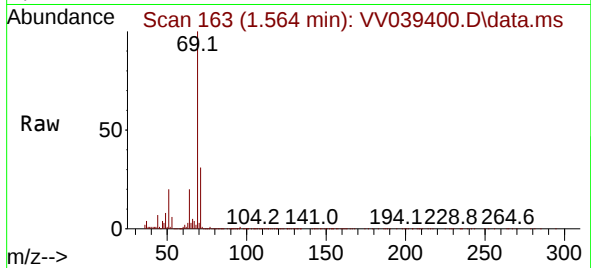




#8
Chloroethane
Concen: 2.980 ug/L
RT: 1.564 min Scan# 1
Delta R.T. 0.003 min
Lab File: VV039400.D
Acq: 18 Nov 2025 11:13

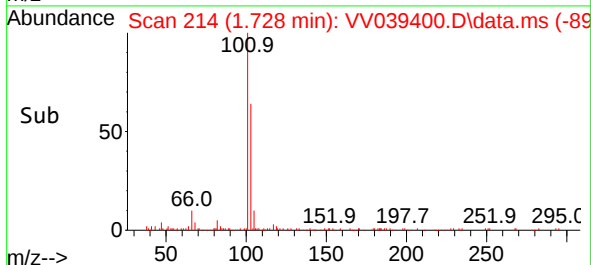
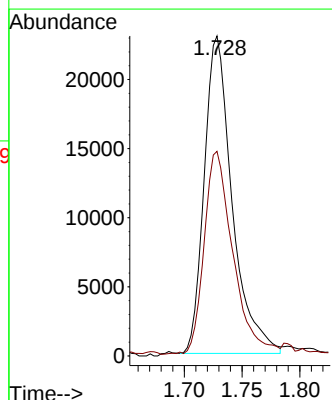
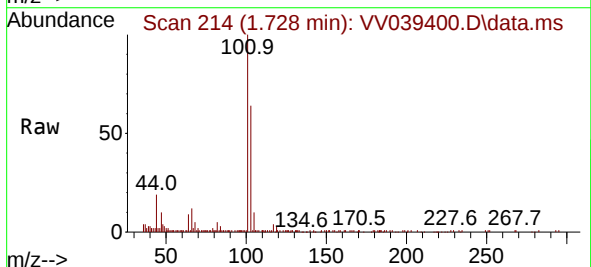
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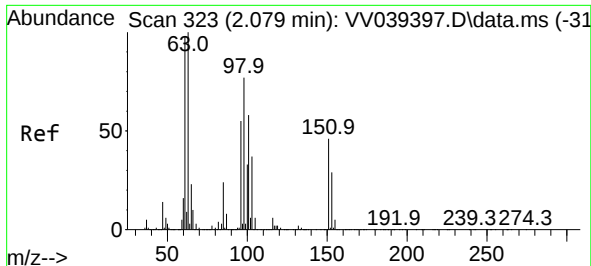
Tgt Ion: 64 Resp: 18676
Ion Ratio Lower Upper
64 100
66 26.9 21.6 40.2



#9
Trichlorofluoromethane
Concen: 2.509 ug/L
RT: 1.728 min Scan# 214
Delta R.T. 0.003 min
Lab File: VV039400.D
Acq: 18 Nov 2025 11:13

Tgt Ion: 101 Resp: 38654
Ion Ratio Lower Upper
101 100
103 65.0 51.0 76.6

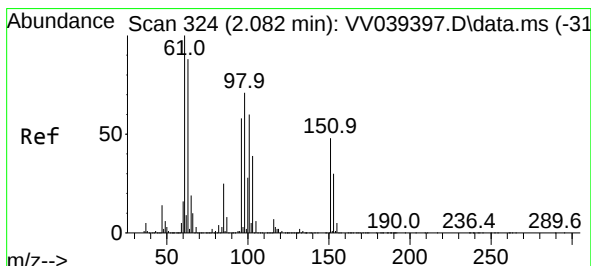
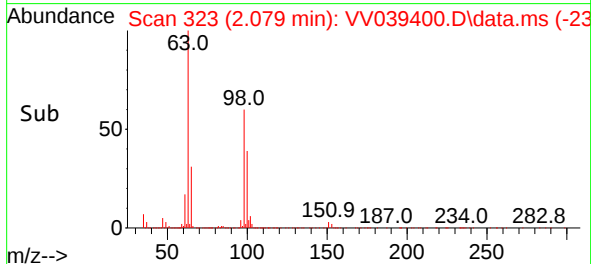
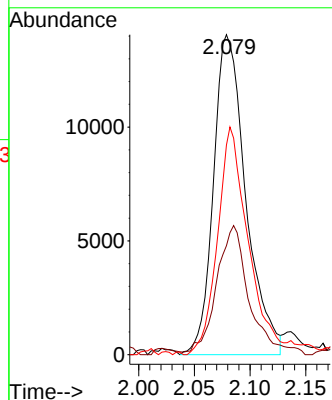
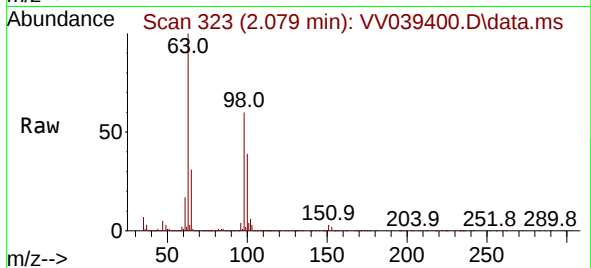




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 3.033 ug/L
 RT: 2.079 min Scan# 31
 Delta R.T. -0.000 min
 Lab File: VV039400.D
 Acq: 18 Nov 2025 11:13

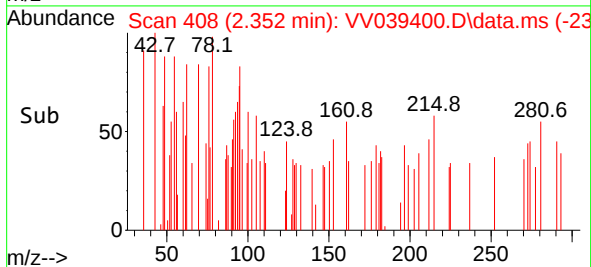
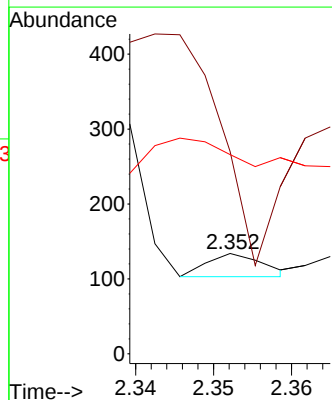
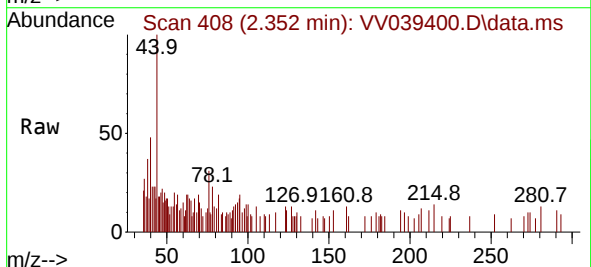
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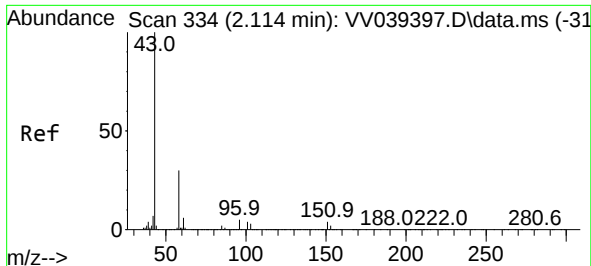
Tgt Ion:	101	Resp:	28395
Ion Ratio	Lower	Upper	
101	100		
85	34.5	33.7	50.5
151	67.0	63.6	95.4



#12
 1,1-Dichloroethene
 Concen: 0.002 ug/L
 RT: 2.352 min Scan# 408
 Delta R.T. 0.270 min
 Lab File: VV039400.D
 Acq: 18 Nov 2025 11:13

Tgt Ion:	96	Resp:	15
Ion Ratio	Lower	Upper	
96	100		
61	201.5	124.3	230.8
63	198.5	121.8	226.2

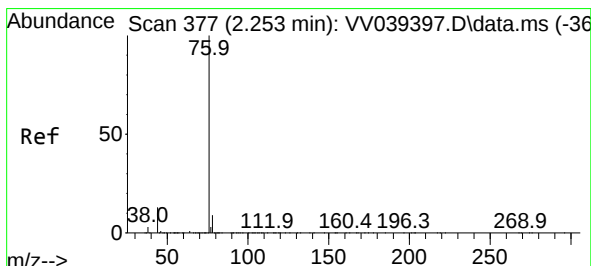
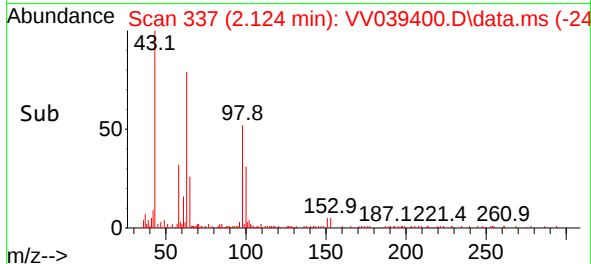
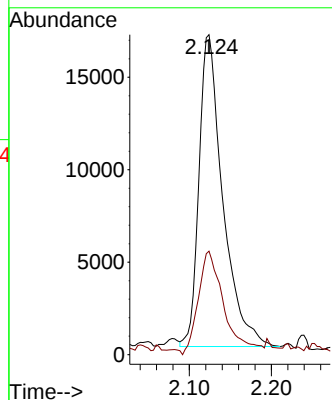
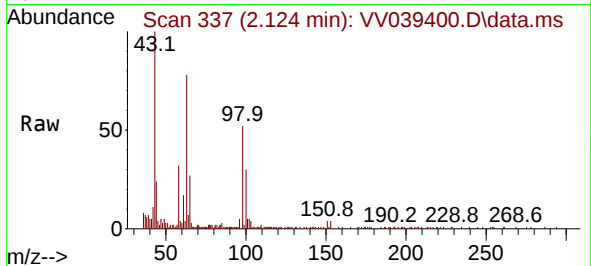




#13
Acetone
Concen: 4.433 ug/L
RT: 2.124 min Scan# 31
Delta R.T. 0.010 min
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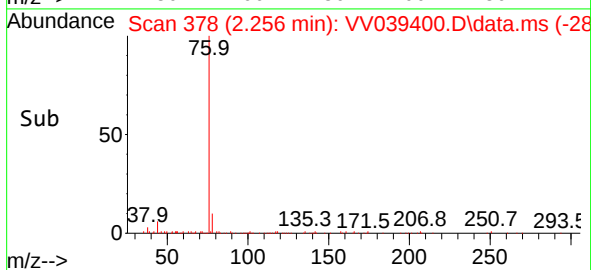
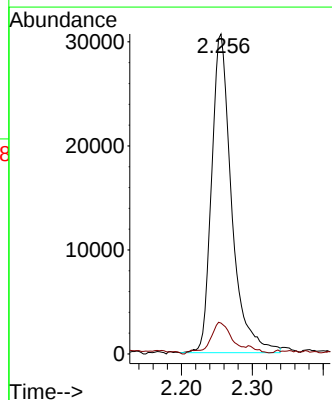
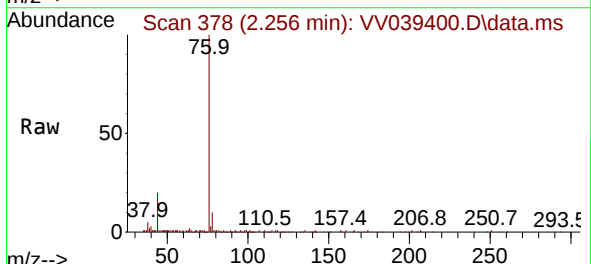
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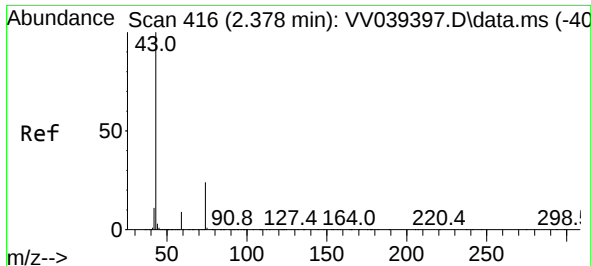
Tgt Ion: 43 Resp: 33933
Ion Ratio Lower Upper
43 100
58 36.5 0.0 63.2



#14
Carbon disulfide
Concen: 2.631 ug/L
RT: 2.256 min Scan# 378
Delta R.T. 0.003 min
Lab File: VV039400.D
Acq: 18 Nov 2025 11:13

Tgt Ion: 76 Resp: 60181
Ion Ratio Lower Upper
76 100
78 9.6 7.4 11.2

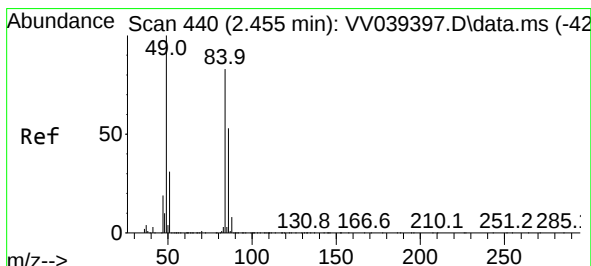
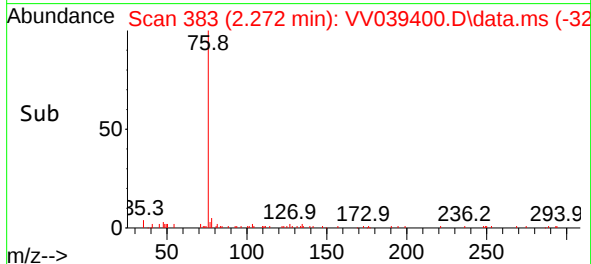
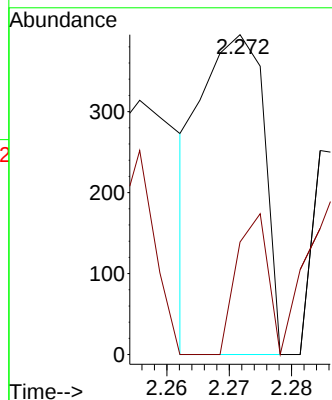
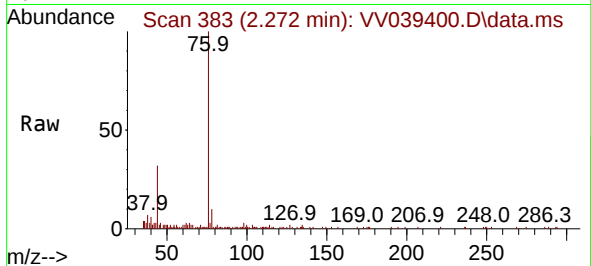




#15
Methyl Acetate
Concen: 0.028 ug/L
RT: 2.272 min Scan# 31
Delta R.T. -0.106 min
Lab File: VV039400.D
Acq: 18 Nov 2025 11:13

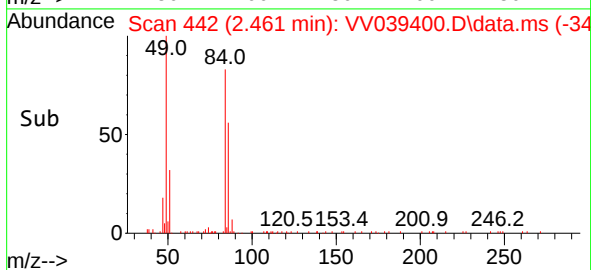
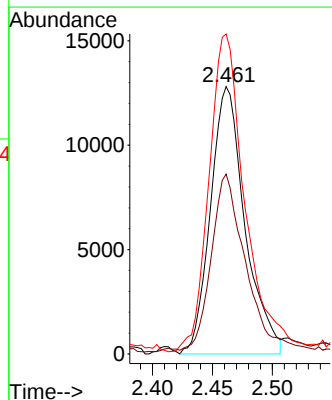
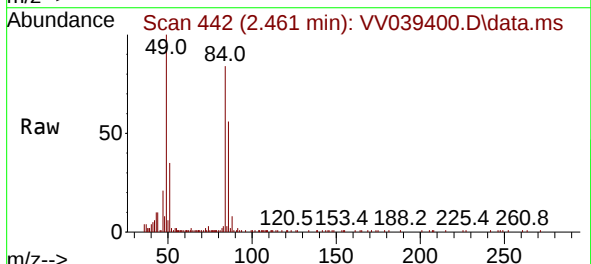
Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT4-2025-08

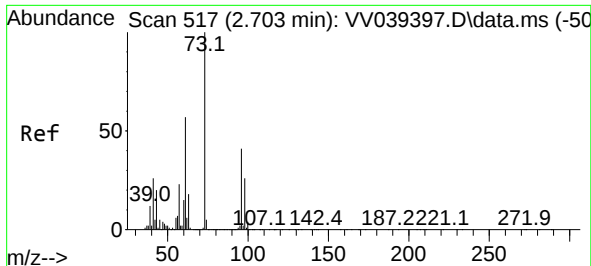
Tgt Ion: 43 Resp: 277
Ion Ratio Lower Upper
43 100
74 21.7 18.7 28.1



#16
Methylene chloride
Concen: 2.707 ug/L
RT: 2.461 min Scan# 442
Delta R.T. 0.006 min
Lab File: VV039400.D
Acq: 18 Nov 2025 11:13

Tgt Ion: 84 Resp: 25553
Ion Ratio Lower Upper
84 100
86 67.3 44.4 82.5
49 119.7 88.2 163.8

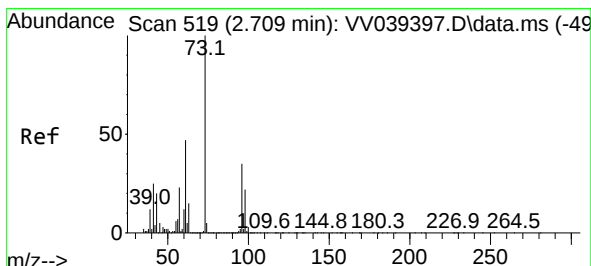
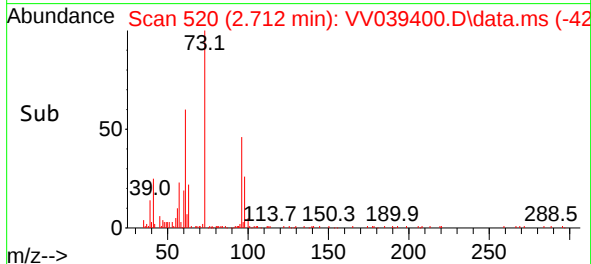
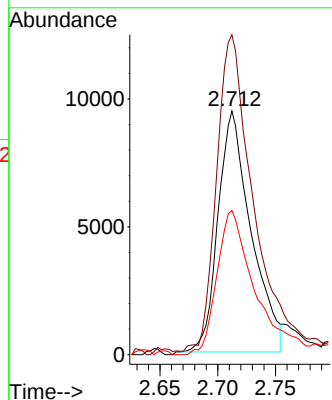
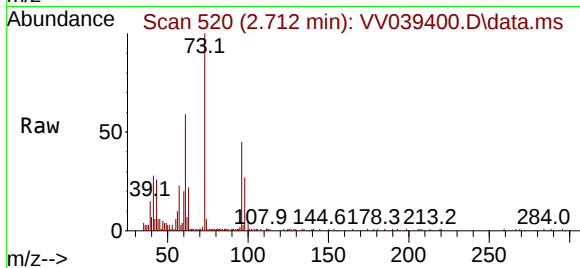




#17
trans-1,2-Dichloroethene
Concen: 2.234 ug/L
RT: 2.712 min Scan# 517
Delta R.T. 0.010 min
Lab File: VV039400.D
Acq: 18 Nov 2025 11:13

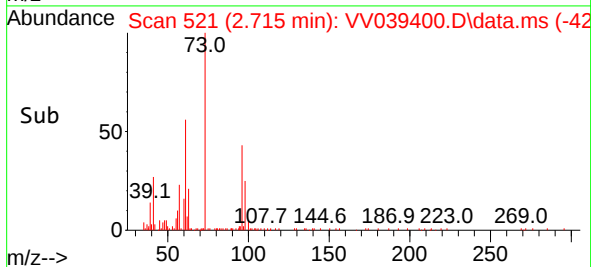
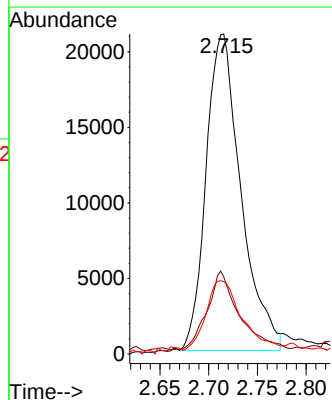
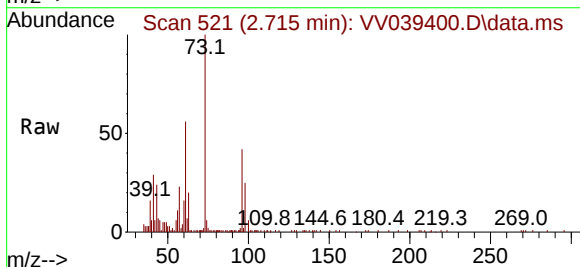
Instrument : MSVOA_V
ClientSampleId : MDL-WATER-QT4-2025-08

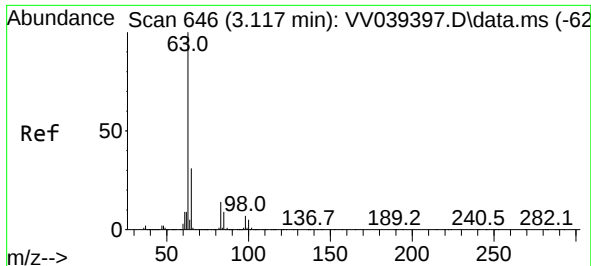
Tgt Ion: 96 Resp: 18770
Ion Ratio Lower Upper
96 100
61 131.3 96.1 178.5
98 59.2 45.0 83.6



#18
Methyl tert-butyl Ether
Concen: 2.038 ug/L
RT: 2.715 min Scan# 521
Delta R.T. 0.006 min
Lab File: VV039400.D
Acq: 18 Nov 2025 11:13

Tgt Ion: 73 Resp: 52272
Ion Ratio Lower Upper
73 100
43 22.5 15.4 23.2
57 22.6 17.6 26.4





#19

1,1-Dichloroethane

Concen: 2.252 ug/L

RT: 3.127 min Scan# 64

Delta R.T. 0.010 min

Lab File: VV039400.D

Acq: 18 Nov 2025 11:13

Instrument :

MSVOA_V

ClientSampleId :

MDL-WATER-QT4-2025-08

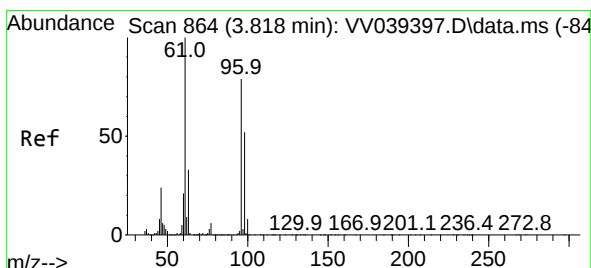
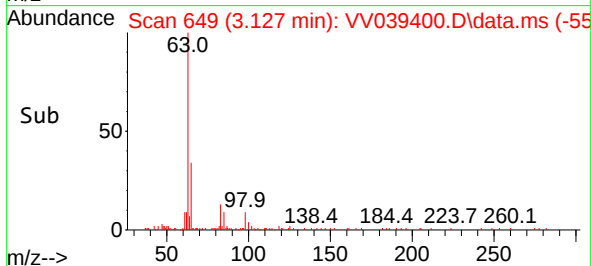
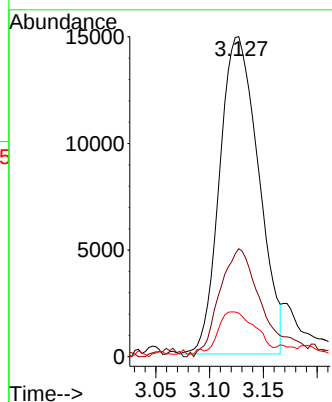
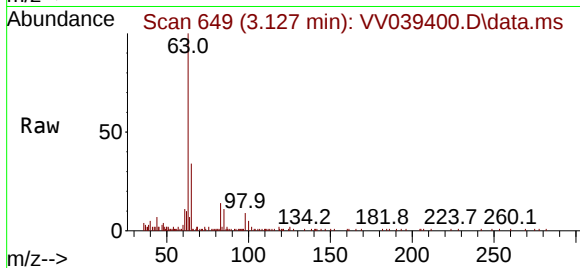
Tgt Ion: 63 Resp: 37509

Ion Ratio Lower Upper

63 100

65 33.8 22.4 41.6

83 13.6 9.6 17.8



#20

cis-1,2-Dichloroethene

Concen: 2.295 ug/L

RT: 3.831 min Scan# 868

Delta R.T. 0.013 min

Lab File: VV039400.D

Acq: 18 Nov 2025 11:13

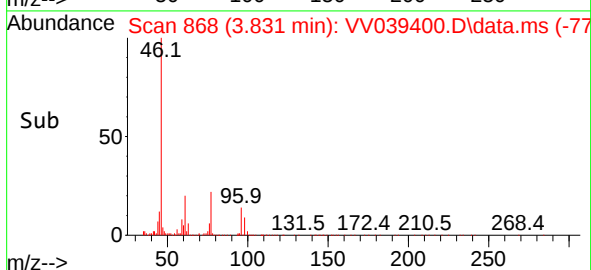
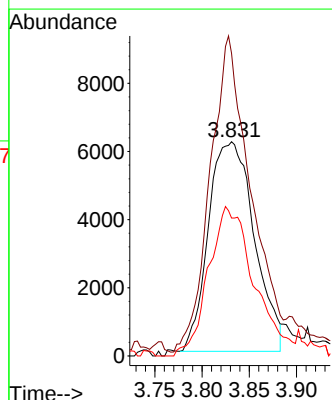
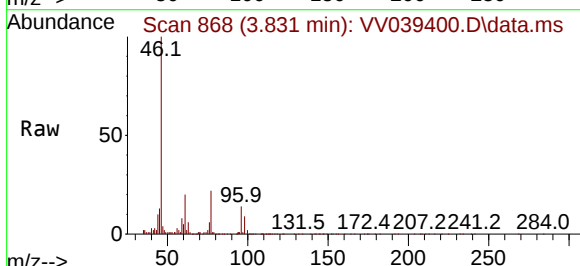
Tgt Ion: 96 Resp: 20767

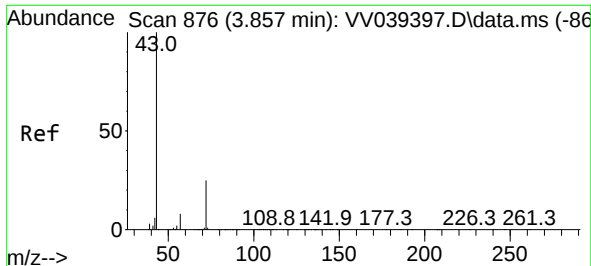
Ion Ratio Lower Upper

96 100

61 141.3 87.3 162.1

98 64.4 45.1 83.7

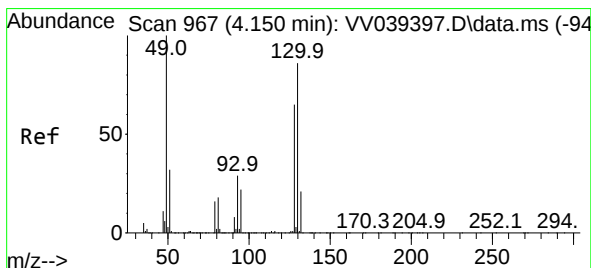
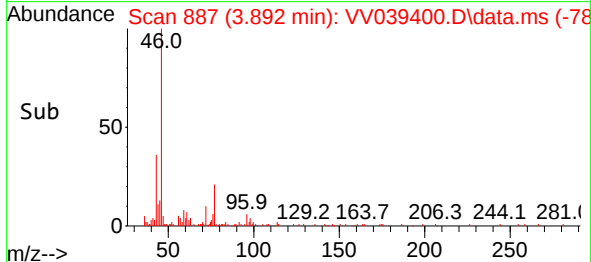
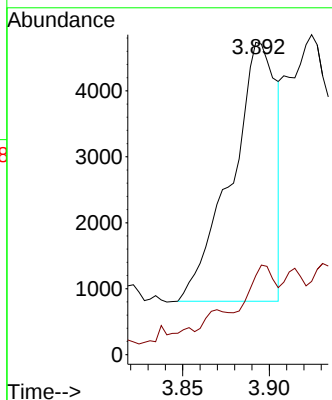
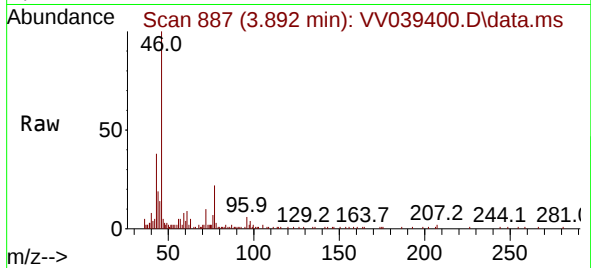




#22
2-Butanone
Concen: 0.932 ug/L
RT: 3.892 min Scan# 81
Delta R.T. 0.035 min
Lab File: VV039400.D
Acq: 18 Nov 2025 11:13

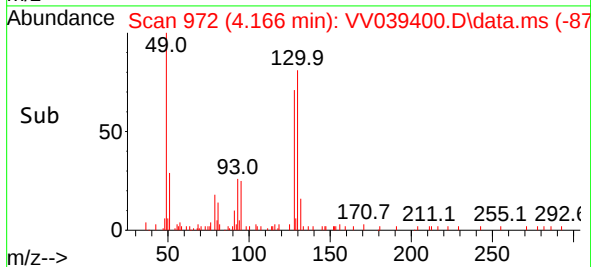
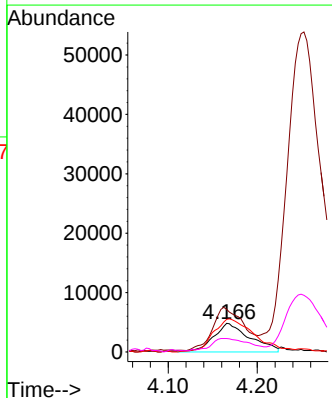
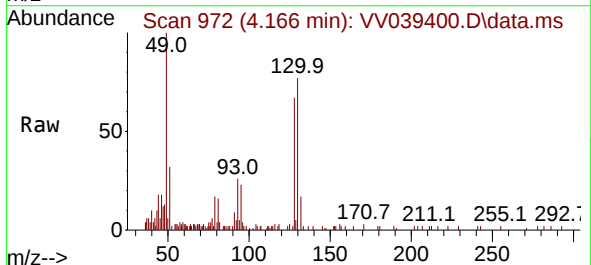
Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT4-2025-08

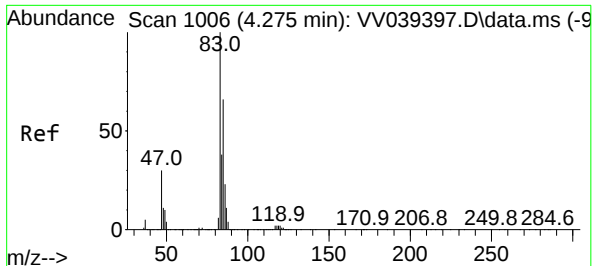
Tgt Ion: 43 Resp: 7095
Ion Ratio Lower Upper
43 100
72 16.5 13.3 39.9



#23
Bromochloromethane
Concen: 2.566 ug/L
RT: 4.166 min Scan# 972
Delta R.T. 0.016 min
Lab File: VV039400.D
Acq: 18 Nov 2025 11:13

Tgt Ion: 128 Resp: 13711
Ion Ratio Lower Upper
128 100
49 148.8 108.6 201.6
130 114.2 89.2 165.6
51 47.2 37.8 56.8





#25

Chloroform

Concen: 3.328 ug/L

RT: 4.281 min Scan# 1006

Delta R.T. 0.006 min

Lab File: VV039400.D

Acq: 18 Nov 2025 11:13

Instrument :

MSVOA_V

ClientSampleId :

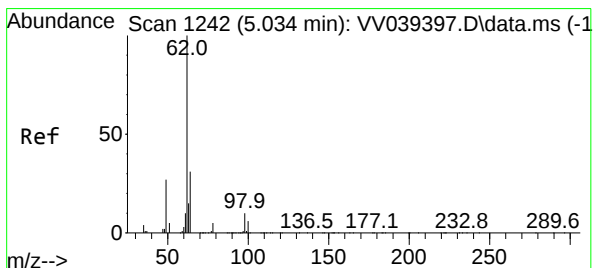
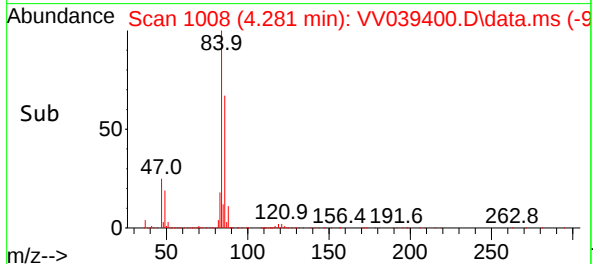
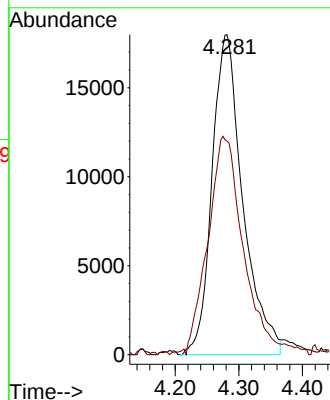
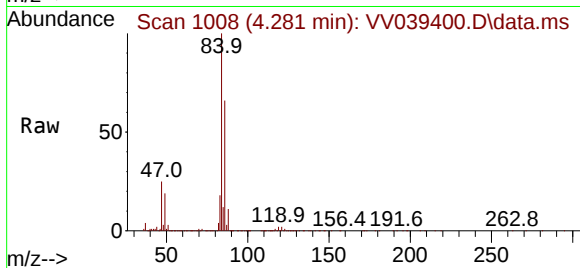
MDL-WATER-QT4-2025-08

Tgt Ion: 83 Resp: 60517

Ion Ratio Lower Upper

83 100

85 66.8 46.0 85.4



#27

1,2-Dichloroethane

Concen: 2.301 ug/L

RT: 5.053 min Scan# 1248

Delta R.T. 0.019 min

Lab File: VV039400.D

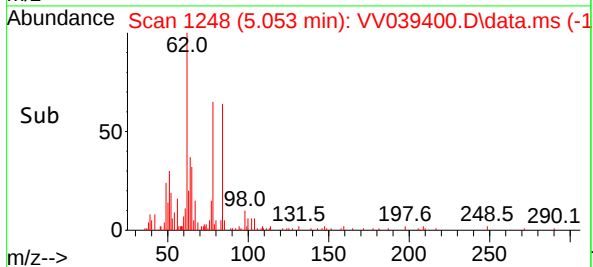
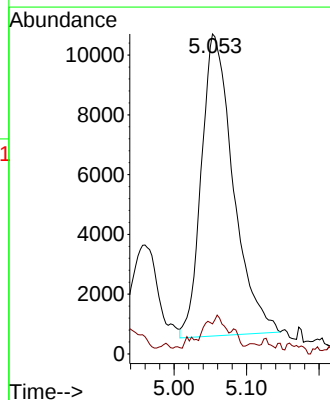
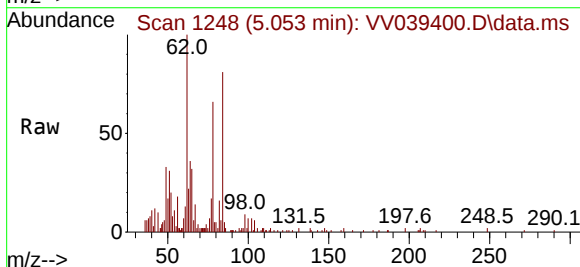
Acq: 18 Nov 2025 11:13

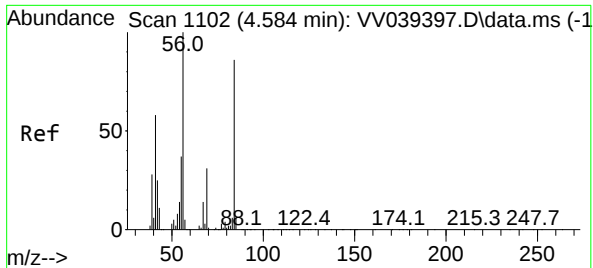
Tgt Ion: 62 Resp: 30838

Ion Ratio Lower Upper

62 100

98 9.4 7.7 11.5





#29

Cyclohexane

Concen: 1.984 ug/L

RT: 4.587 min Scan# 1102

Delta R.T. 0.003 min

Lab File: VV039400.D

Acq: 18 Nov 2025 11:13

Instrument :

MSVOA_V

ClientSampleId :

MDL-WATER-QT4-2025-08

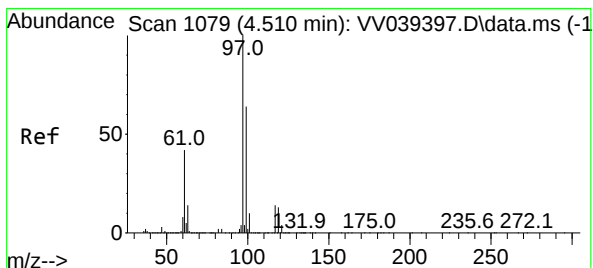
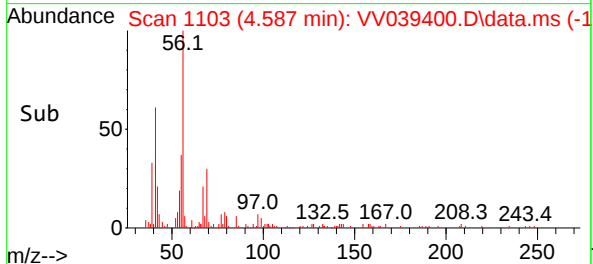
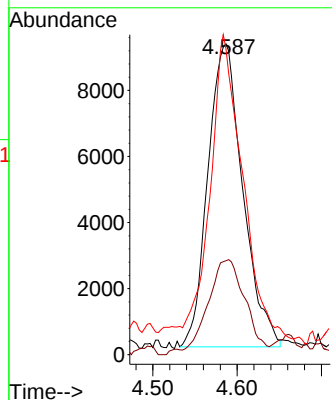
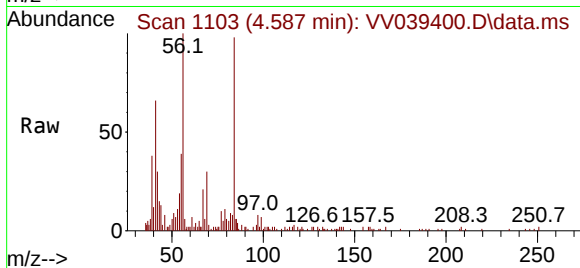
Tgt Ion: 56 Resp: 26377

Ion Ratio Lower Upper

56 100

69 31.4 24.1 36.1

84 83.2 70.7 106.1



#30

1,1,1-Trichloroethane

Concen: 2.426 ug/L

RT: 4.516 min Scan# 1081

Delta R.T. 0.006 min

Lab File: VV039400.D

Acq: 18 Nov 2025 11:13

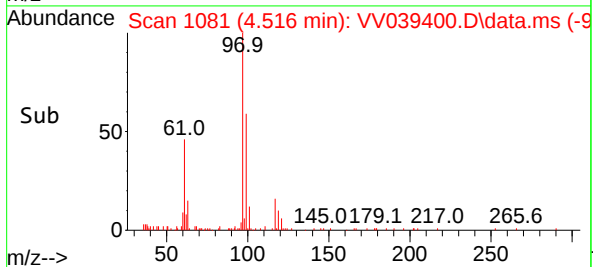
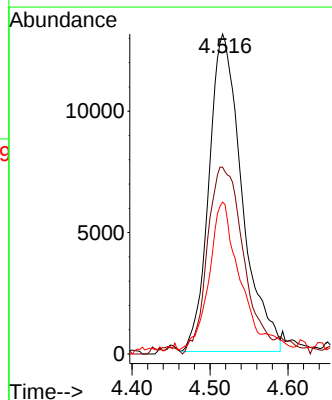
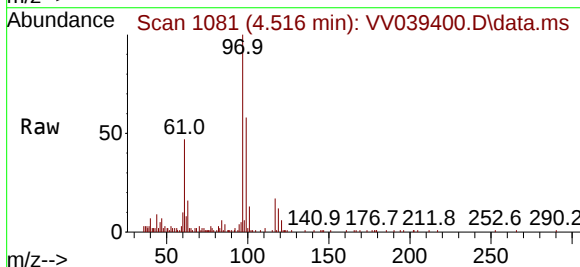
Tgt Ion: 97 Resp: 38528

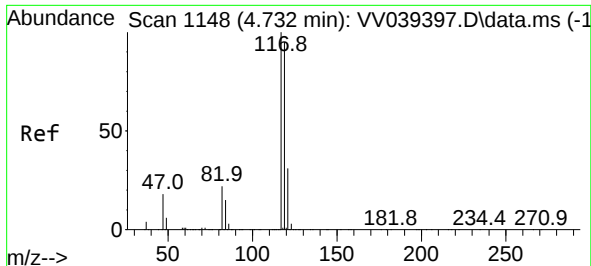
Ion Ratio Lower Upper

97 100

99 64.1 51.6 77.4

61 41.3 34.5 51.7

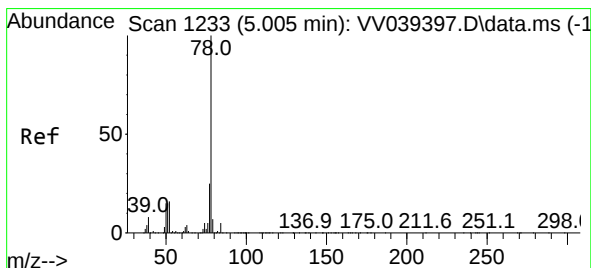
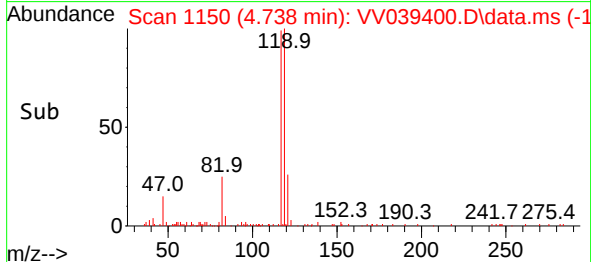
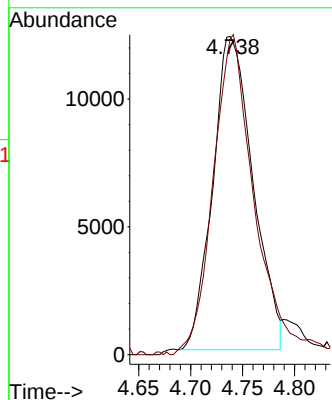
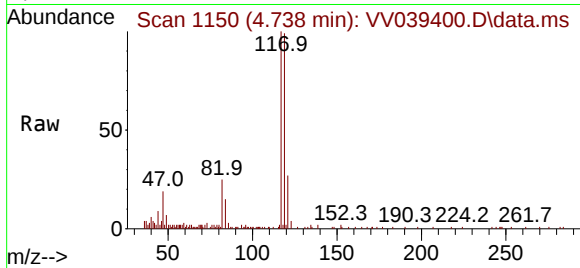




#31
Carbon tetrachloride
Concen: 2.261 ug/L
RT: 4.738 min Scan# 1148
Delta R.T. 0.006 min
Lab File: VV039400.D
Acq: 18 Nov 2025 11:13

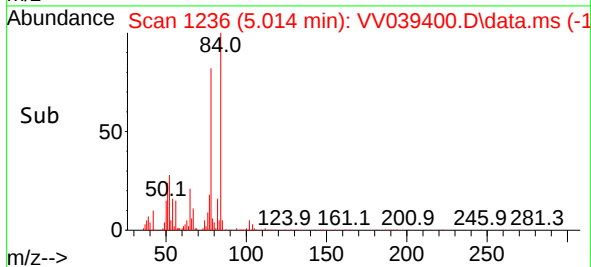
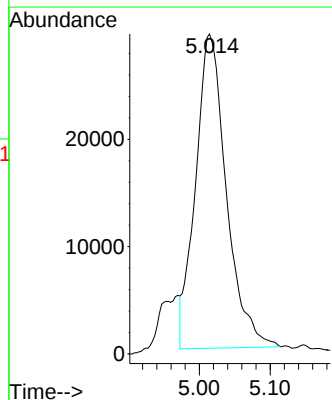
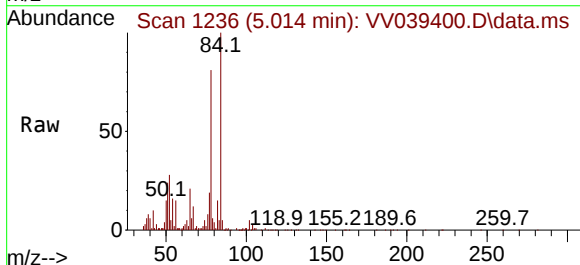
Instrument : MSVOA_V
ClientSampleId : MDL-WATER-QT4-2025-08

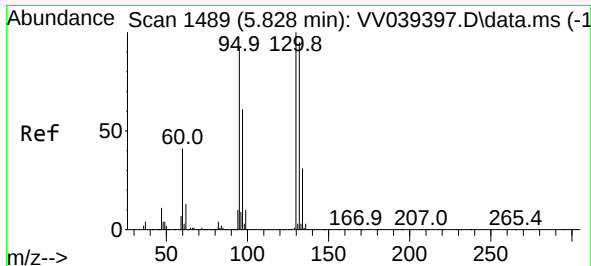
Tgt Ion:117 Resp: 33060
Ion Ratio Lower Upper
117 100
119 103.1 76.7 115.1



#33
Benzene
Concen: 2.516 ug/L
RT: 5.014 min Scan# 1236
Delta R.T. 0.010 min
Lab File: VV039400.D
Acq: 18 Nov 2025 11:13

Tgt Ion: 78 Resp: 88197

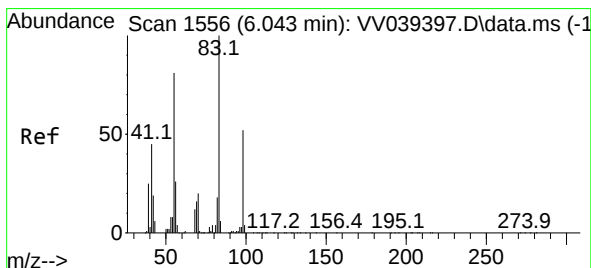
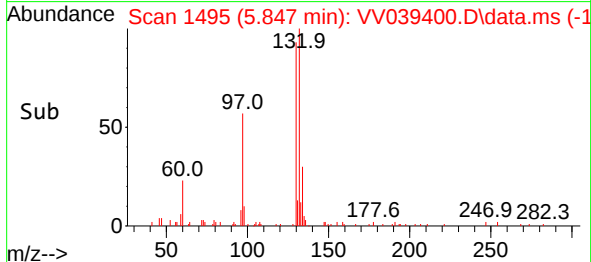
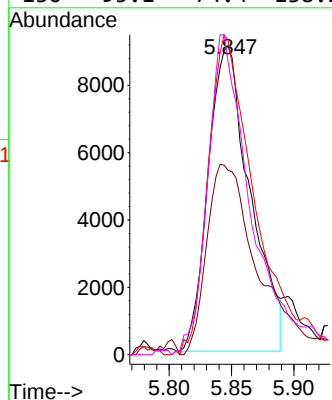
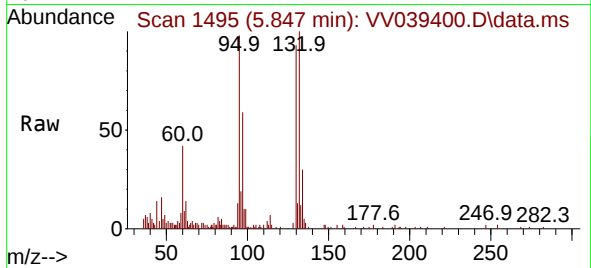




#34
Trichloroethene
Concen: 2.241 ug/L
RT: 5.847 min Scan# 1489
Delta R.T. 0.019 min
Lab File: VV039400.D
Acq: 18 Nov 2025 11:13

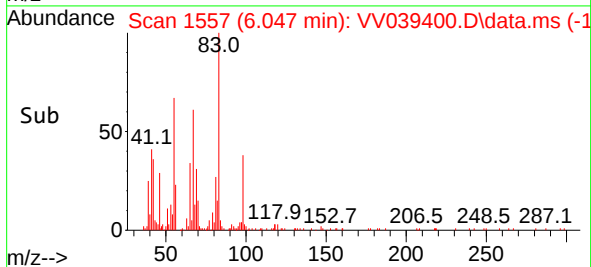
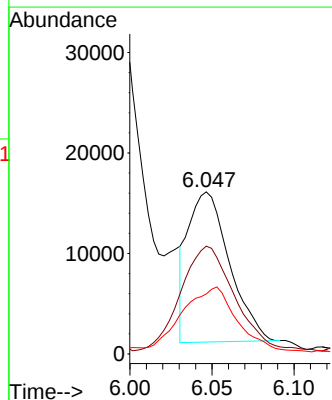
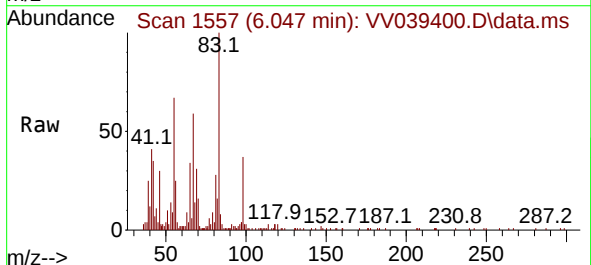
Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT4-2025-08

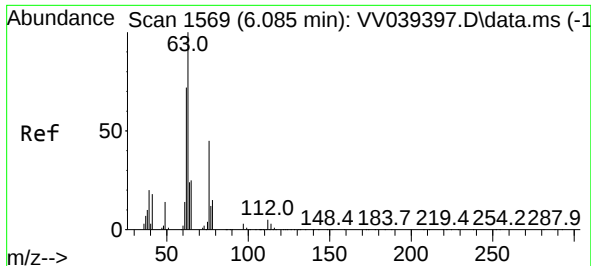
Tgt Ion:	95	Resp:	21229
Ion	Ratio	Lower	Upper
95	100		
97	59.8	44.4	82.5
132	102.1	71.9	133.5
130	95.1	74.4	138.2



#35
Methylcyclohexane
Concen: 1.874 ug/L
RT: 6.047 min Scan# 1557
Delta R.T. 0.003 min
Lab File: VV039400.D
Acq: 18 Nov 2025 11:13

Tgt Ion:	83	Resp:	26084
Ion	Ratio	Lower	Upper
83	100		
55	95.1	62.5	93.7#
98	58.8	39.2	58.8





#37

1,2-Dichloropropane

Concen: 2.425 ug/L

RT: 6.095 min Scan# 1

Delta R.T. 0.010 min

Lab File: VV039400.D

Acq: 18 Nov 2025 11:13

Instrument :

MSVOA_V

ClientSampleId :

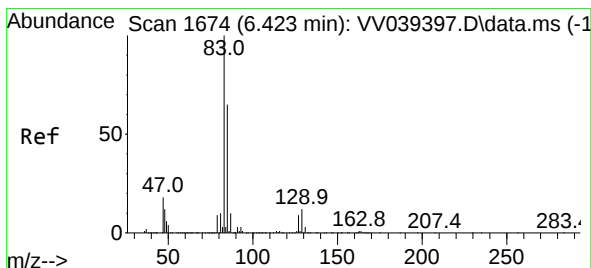
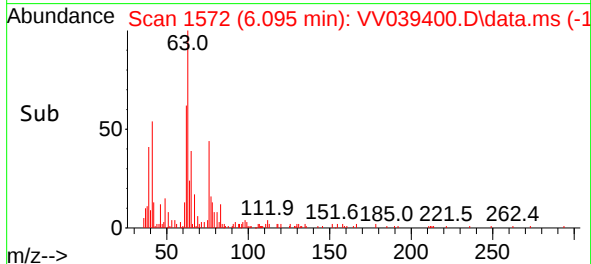
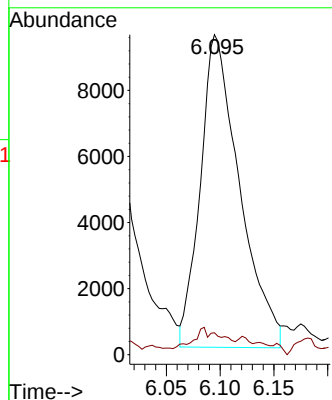
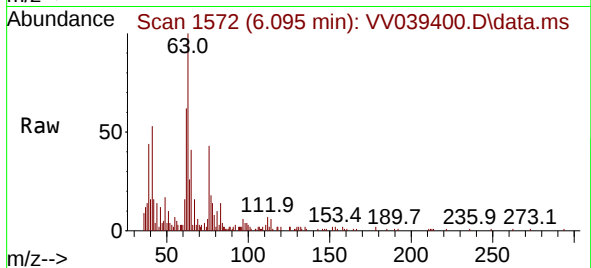
MDL-WATER-QT4-2025-08

Tgt Ion: 63 Resp: 24048

Ion Ratio Lower Upper

63 100

112 0.9 3.7 5.5#



#38

Bromodichloromethane

Concen: 2.321 ug/L

RT: 6.439 min Scan# 1679

Delta R.T. 0.016 min

Lab File: VV039400.D

Acq: 18 Nov 2025 11:13

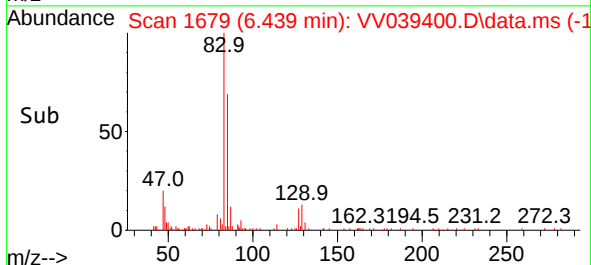
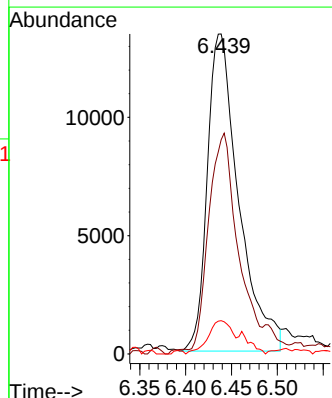
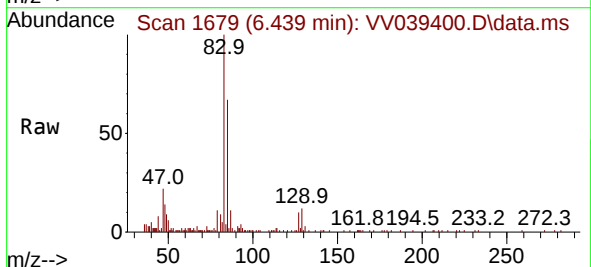
Tgt Ion: 83 Resp: 31997

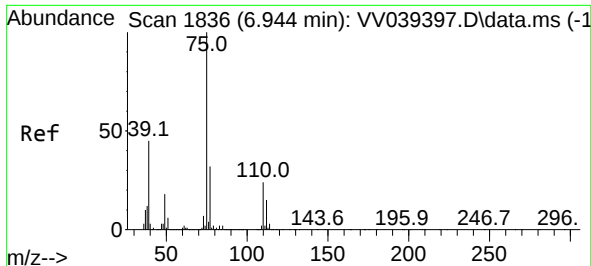
Ion Ratio Lower Upper

83 100

85 67.0 44.9 83.5

127 10.4 7.4 11.0

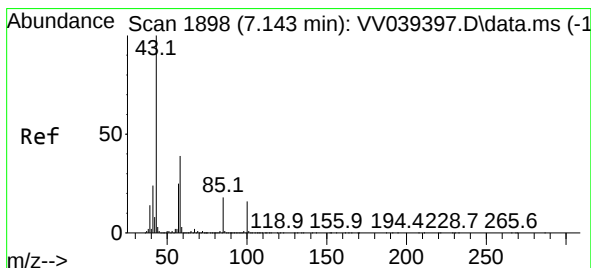
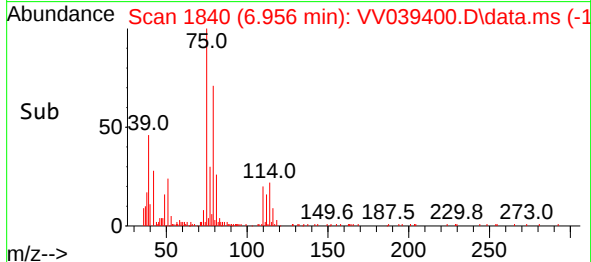
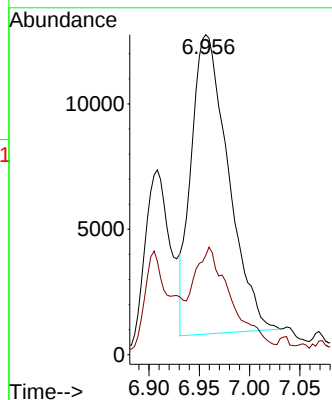
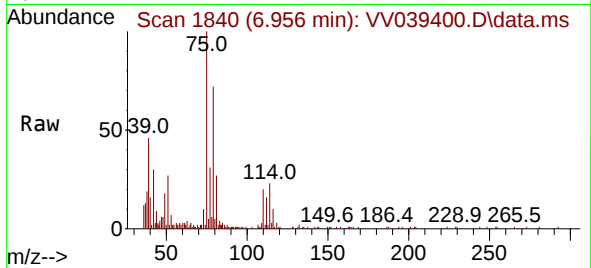




#39
 cis-1,3-Dichloropropene
 Concen: 1.999 ug/L
 RT: 6.956 min Scan# 11
 Delta R.T. 0.013 min
 Lab File: VV039400.D
 Acq: 18 Nov 2025 11:13

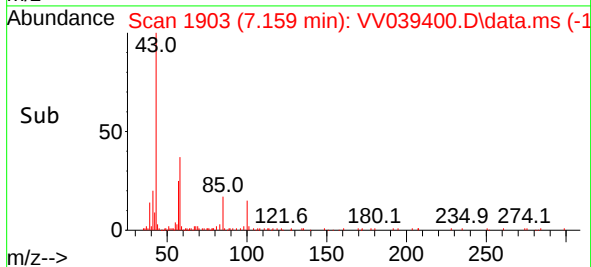
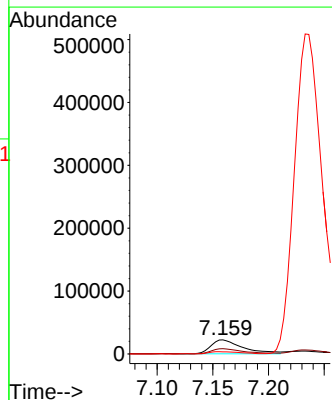
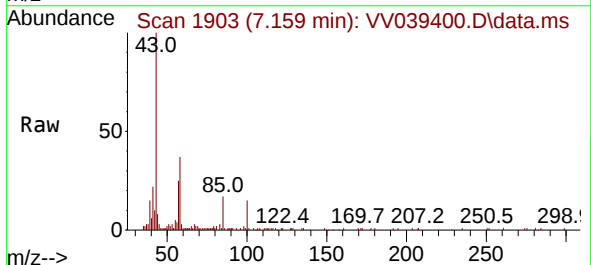
Instrument :
 MSVOA_V
 ClientSampleId :
 MDL-WATER-QT4-2025-08

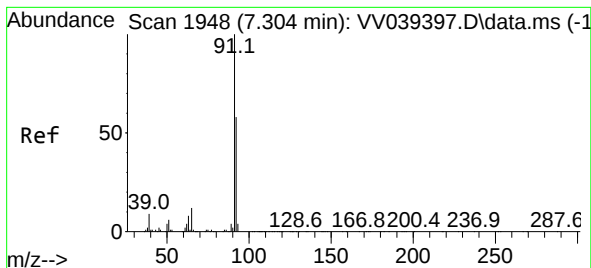
Tgt Ion: 75 Resp: 30519
 Ion Ratio Lower Upper
 75 100
 77 31.0 22.3 41.5



#40
 4-Methyl-2-pentanone
 Concen: 3.546 ug/L
 RT: 7.159 min Scan# 1903
 Delta R.T. 0.016 min
 Lab File: VV039400.D
 Acq: 18 Nov 2025 11:13

Tgt Ion: 43 Resp: 44198
 Ion Ratio Lower Upper
 43 100
 58 36.3 30.8 46.2
 100 16.4 12.5 18.7





#42

Toluene

Concen: 2.455 ug/L

RT: 7.317 min Scan# 1948

Delta R.T. 0.013 min

Lab File: VV039400.D

Acq: 18 Nov 2025 11:13

Instrument :

MSVOA_V

ClientSampleId :

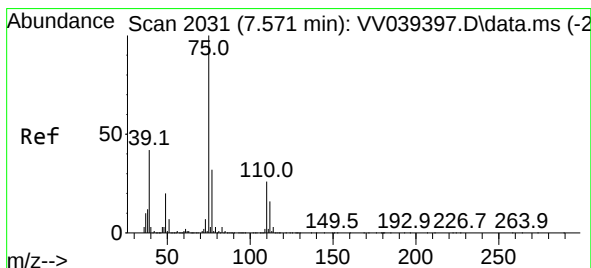
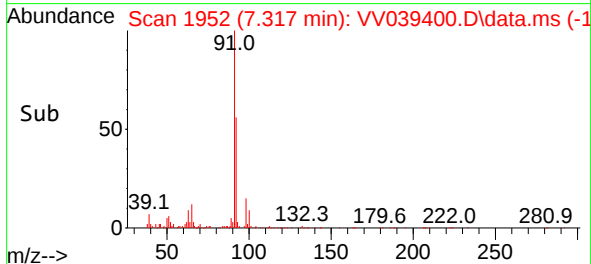
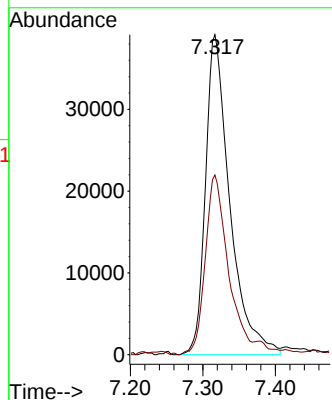
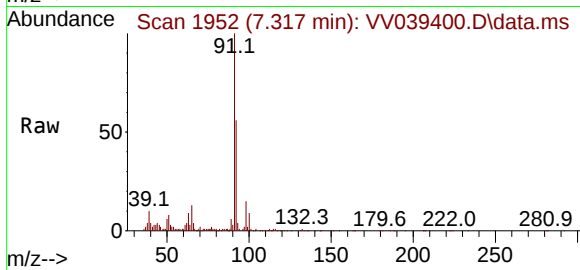
MDL-WATER-QT4-2025-08

Tgt Ion: 91 Resp: 91212

Ion Ratio Lower Upper

91 100

92 56.2 40.4 75.0



#44

trans-1,3-Dichloropropene

Concen: 2.301 ug/L

RT: 7.583 min Scan# 2035

Delta R.T. 0.013 min

Lab File: VV039400.D

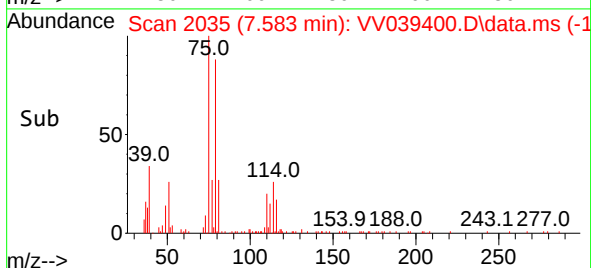
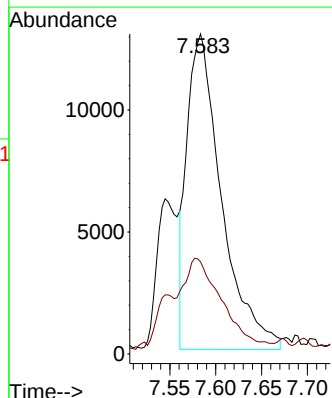
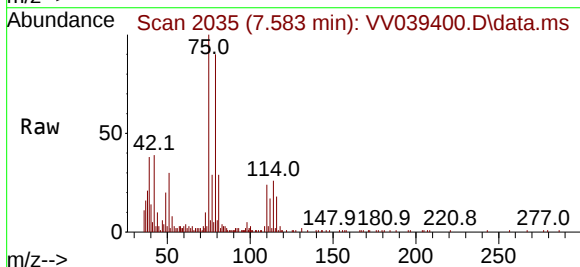
Acq: 18 Nov 2025 11:13

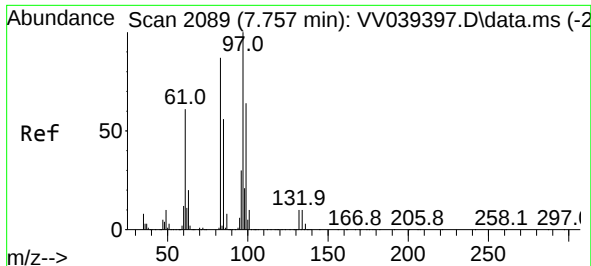
Tgt Ion: 75 Resp: 33870

Ion Ratio Lower Upper

75 100

77 28.8 23.0 42.6

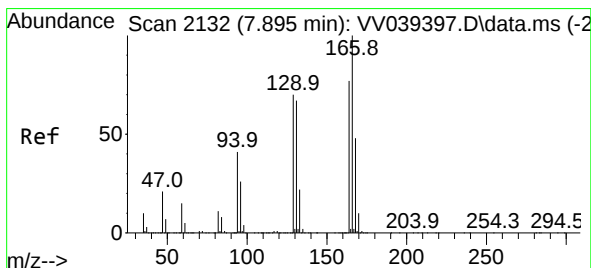
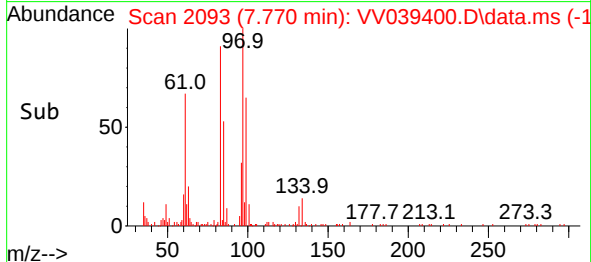
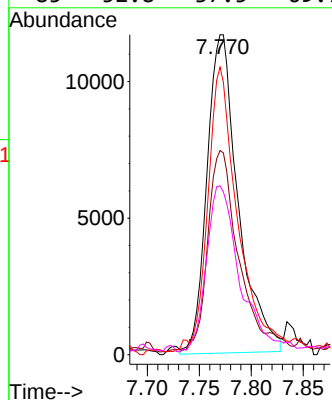
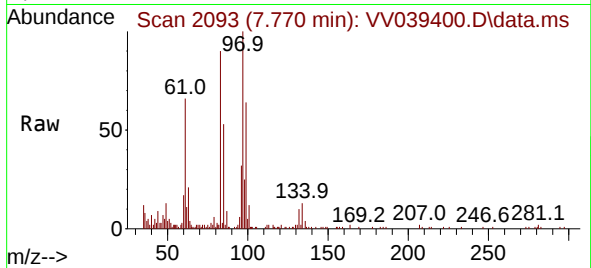




#45
1,1,2-Trichloroethane
Concen: 2.369 ug/L
RT: 7.770 min Scan# 2089
Delta R.T. 0.013 min
Lab File: VV039400.D
Acq: 18 Nov 2025 11:13

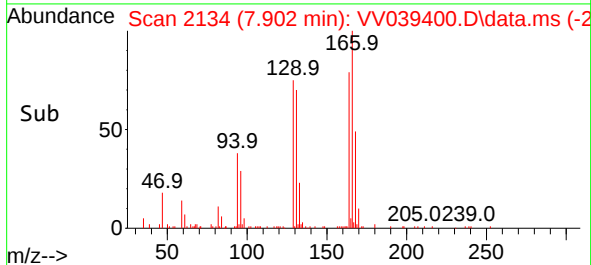
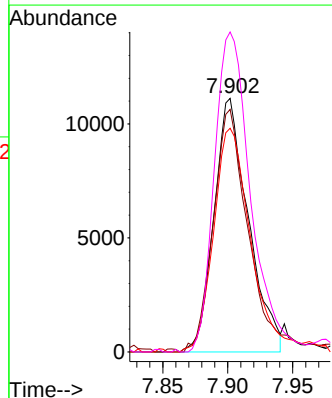
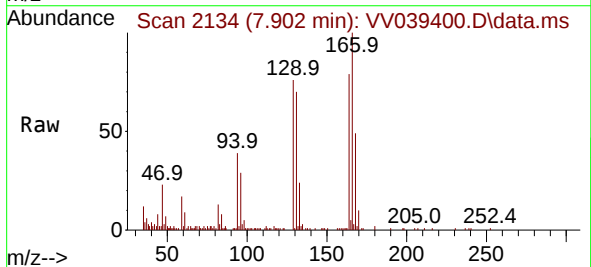
Instrument : MSVOA_V
ClientSampleId : MDL-WATER-QT4-2025-08

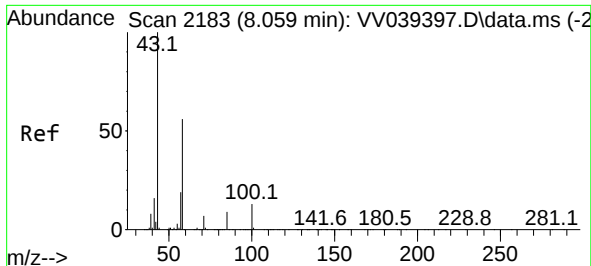
Tgt Ion: 97	Resp: 24435
Ion Ratio	Lower Upper
97 100	
99 63.8	43.7 81.1
83 89.8	59.1 109.9
85 52.8	37.5 69.7



#46
Tetrachloroethene
Concen: 2.344 ug/L
RT: 7.902 min Scan# 2134
Delta R.T. 0.006 min
Lab File: VV039400.D
Acq: 18 Nov 2025 11:13

Tgt	Ion:164	Resp:	20396
Ion	Ratio	Lower	Upper
164	100		
129	95.6	62.0	115.2
131	88.2	59.1	109.7
166	126.2	89.2	165.8

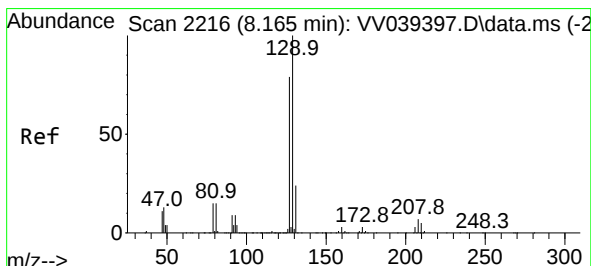
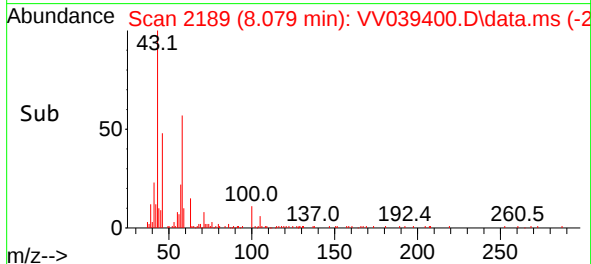
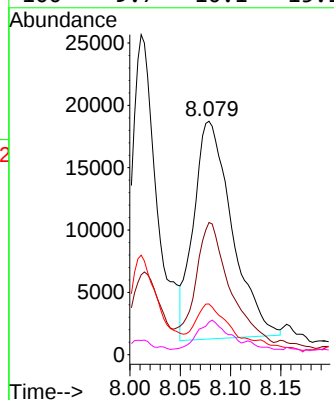
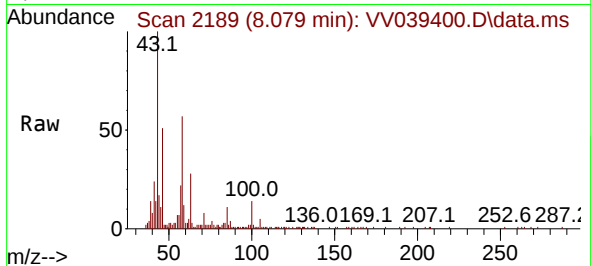




#48
2-Hexanone
Concen: 4.437 ug/L
RT: 8.079 min Scan# 2183
Delta R.T. 0.019 min
Lab File: VV039400.D
Acq: 18 Nov 2025 11:13

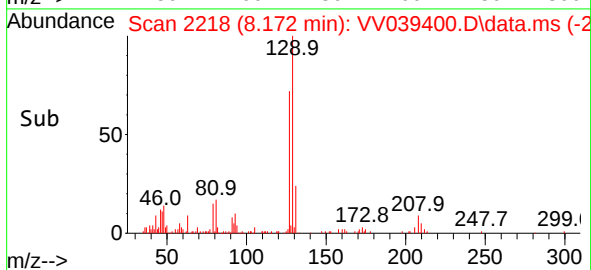
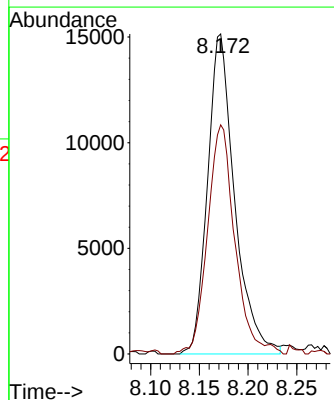
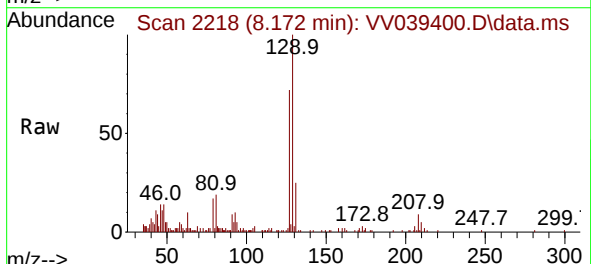
Instrument : MSVOA_V
ClientSampleId : MDL-WATER-QT4-2025-08

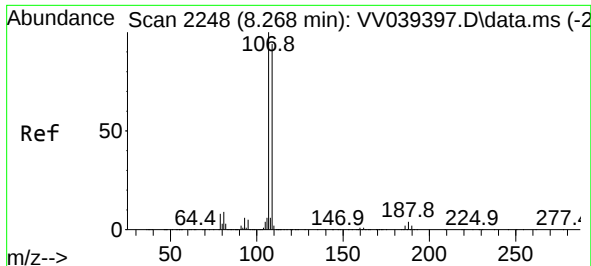
Tgt Ion:	43	Resp:	46204
Ion	Ratio	Lower	Upper
43	100		
58	49.8	45.0	67.4
57	12.8	15.0	22.6#
100	9.7	10.1	15.1#



#49
Dibromochloromethane
Concen: 2.487 ug/L
RT: 8.172 min Scan# 2218
Delta R.T. 0.006 min
Lab File: VV039400.D
Acq: 18 Nov 2025 11:13

Tgt Ion:	129	Resp:	29301
Ion	Ratio	Lower	Upper
129	100		
127	71.6	54.8	101.8





#50

1,2-Dibromoethane

Concen: 2.480 ug/L

RT: 8.281 min Scan# 21

Delta R.T. 0.013 min

Lab File: VV039400.D

Acq: 18 Nov 2025 11:13

Instrument :

MSVOA_V

ClientSampleId :

MDL-WATER-QT4-2025-08

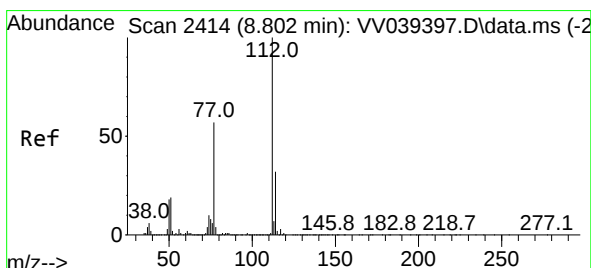
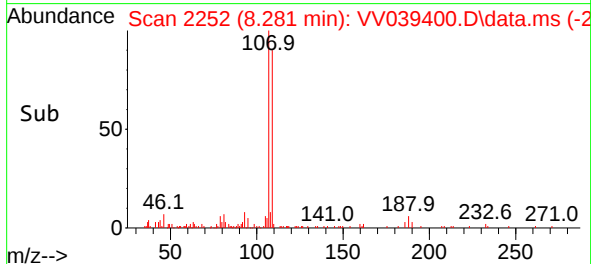
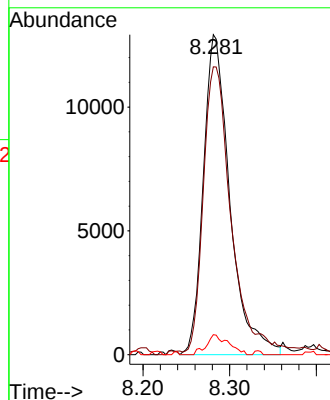
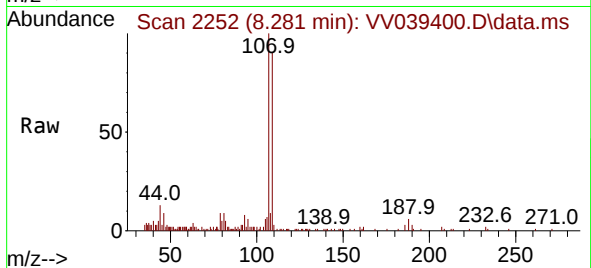
Tgt Ion:107 Resp: 27548

Ion Ratio Lower Upper

107 100

109 90.0 65.0 120.8

188 6.3 3.2 4.8#



#51

Chlorobenzene

Concen: 2.427 ug/L

RT: 8.805 min Scan# 2415

Delta R.T. 0.003 min

Lab File: VV039400.D

Acq: 18 Nov 2025 11:13

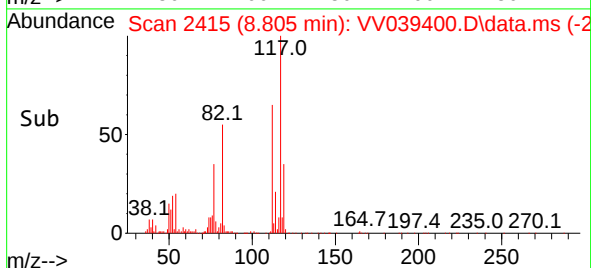
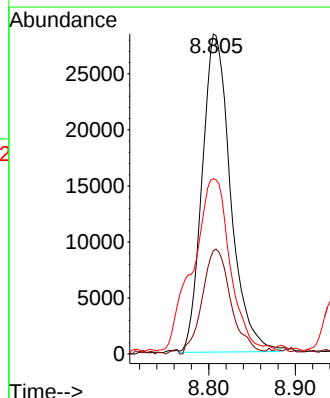
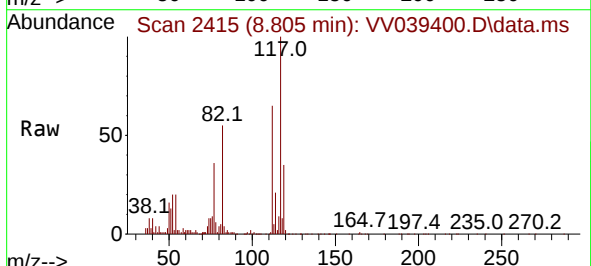
Tgt Ion:112 Resp: 64639

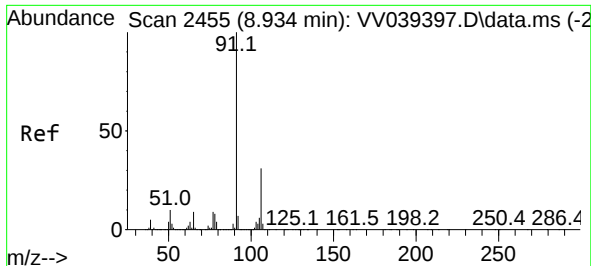
Ion Ratio Lower Upper

112 100

114 32.2 22.4 41.6

77 54.8 45.1 67.7

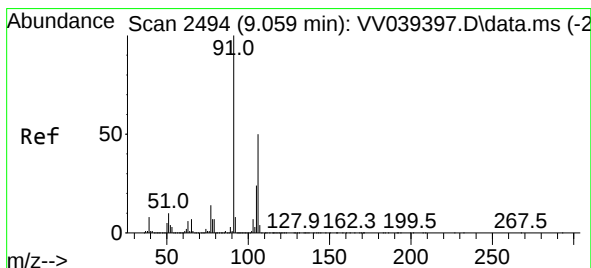
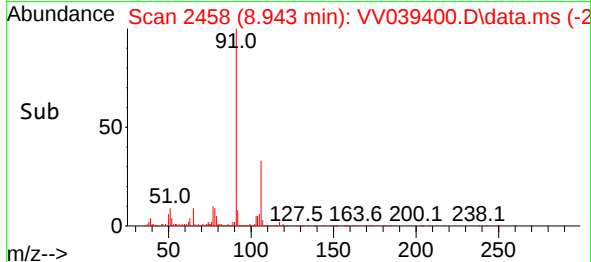
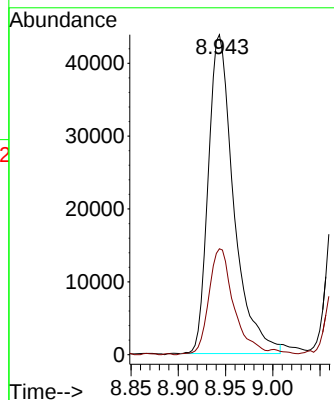
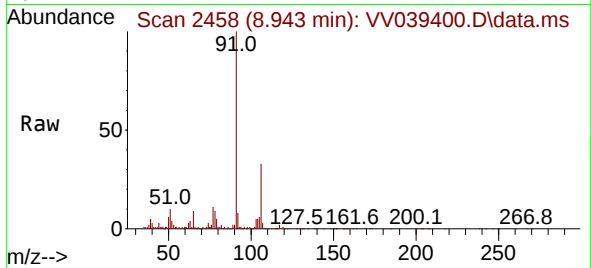




#52
Ethylbenzene
Concen: 2.028 ug/L
RT: 8.943 min Scan# 2455
Delta R.T. 0.010 min
Lab File: VV039400.D
Acq: 18 Nov 2025 11:13

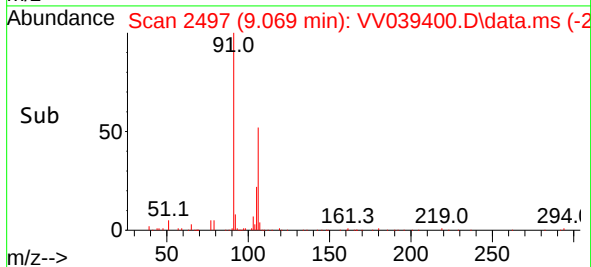
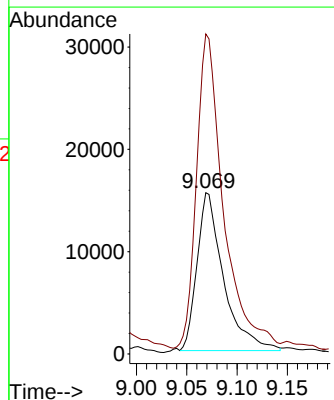
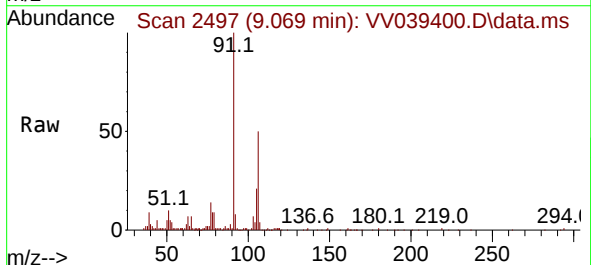
Instrument : MSVOA_V
ClientSampleId : MDL-WATER-QT4-2025-08

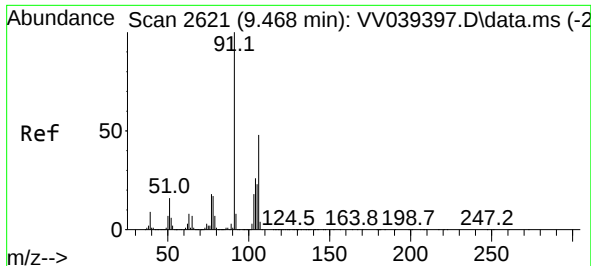
Tgt Ion: 91 Resp: 81904
Ion Ratio Lower Upper
91 100
106 33.1 21.8 40.4



#53
m,p-Xylene
Concen: 1.830 ug/L
RT: 9.069 min Scan# 2497
Delta R.T. 0.010 min
Lab File: VV039400.D
Acq: 18 Nov 2025 11:13

Tgt Ion: 106 Resp: 28295
Ion Ratio Lower Upper
106 100
91 198.4 141.1 262.1

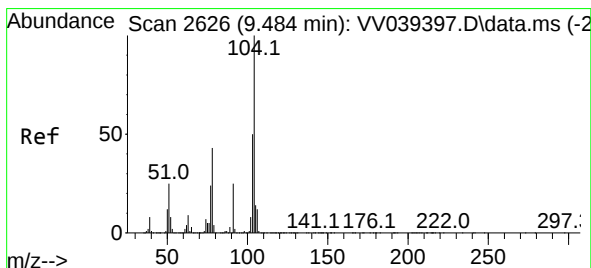
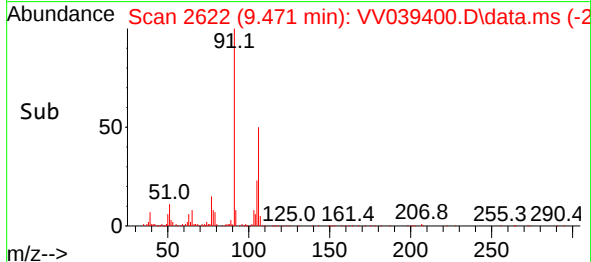
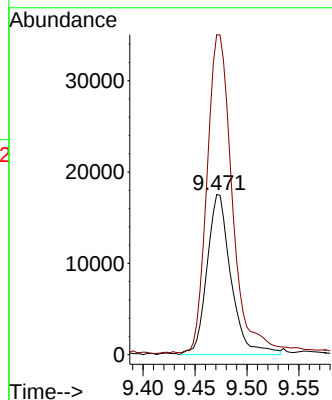
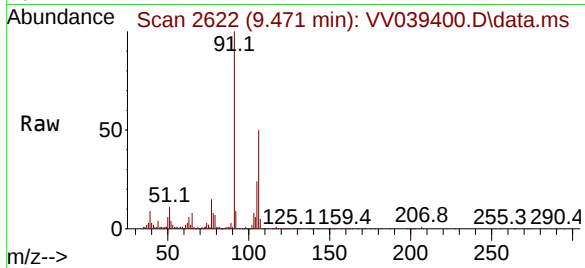




#54
o-Xylene
Concen: 1.908 ug/L
RT: 9.471 min Scan# 2622
Delta R.T. 0.003 min
Lab File: VV039400.D
Acq: 18 Nov 2025 11:13

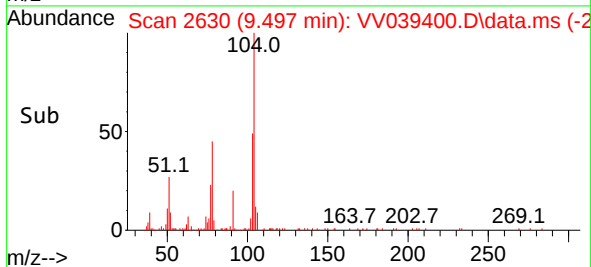
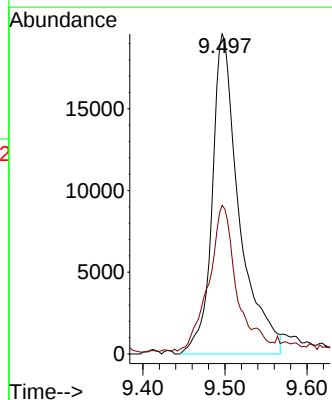
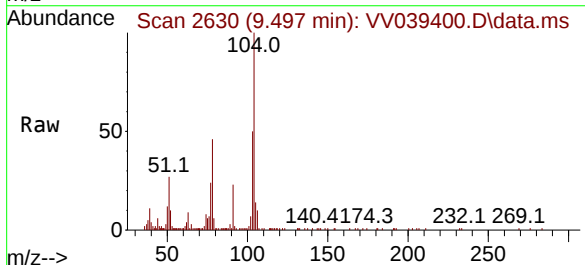
Instrument : MSVOA_V
ClientSampleId : MDL-WATER-QT4-2025-08

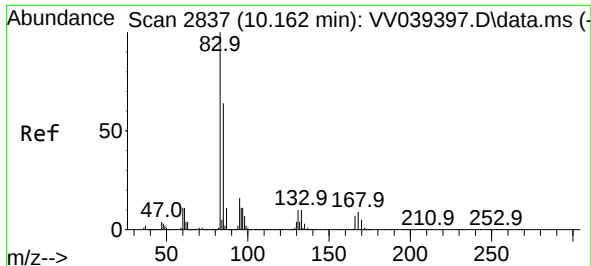
Tgt Ion:106 Resp: 28184
Ion Ratio Lower Upper
106 100
91 199.8 149.0 276.6



#55
Styrene
Concen: 1.727 ug/L
RT: 9.497 min Scan# 2630
Delta R.T. 0.013 min
Lab File: VV039400.D
Acq: 18 Nov 2025 11:13

Tgt Ion:104 Resp: 44857
Ion Ratio Lower Upper
104 100
78 46.4 30.5 56.7





#57

1,1,2,2-Tetrachloroethane

Concen: 2.581 ug/L

RT: 10.165 min Scan# 2837

Delta R.T. 0.003 min

Lab File: VV039400.D

Acq: 18 Nov 2025 11:13

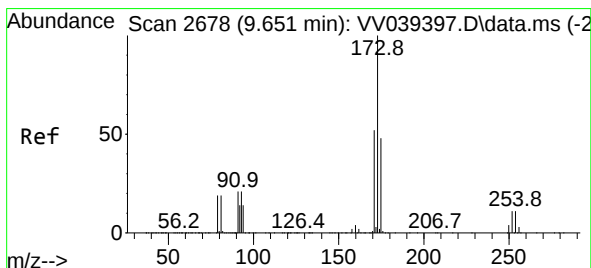
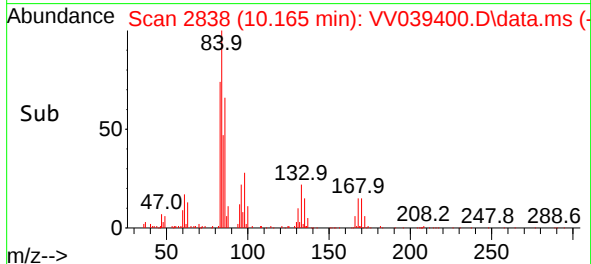
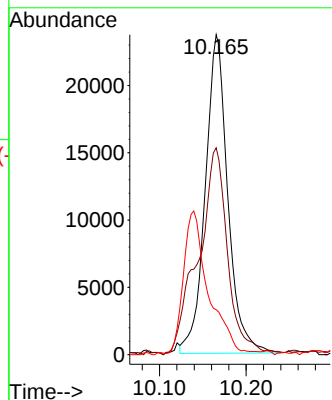
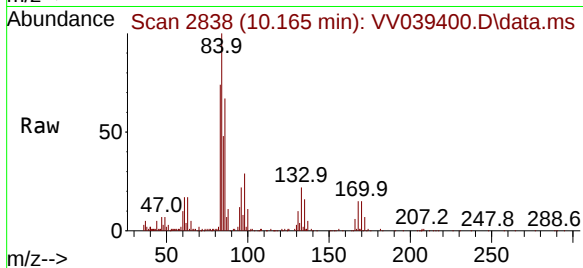
Instrument :

MSVOA_V

ClientSampleId :

MDL-WATER-QT4-2025-08

Tgt Ion:	83	Resp:	42764
Ion	Ratio	Lower	Upper
83	100		
85	64.7	46.1	85.5
131	14.1	8.3	12.5



#59

Bromoform

Concen: 2.801 ug/L

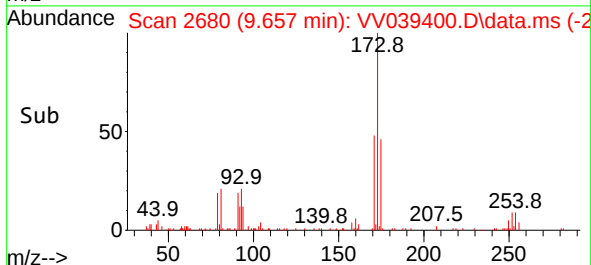
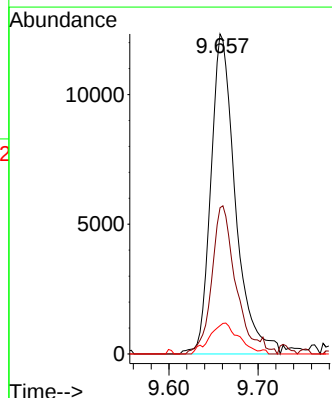
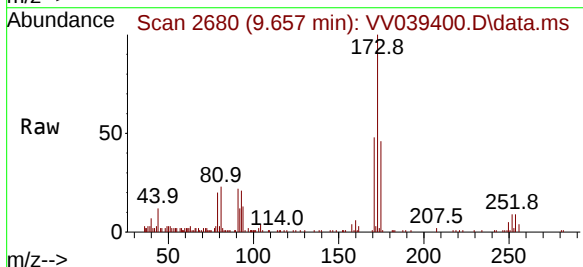
RT: 9.657 min Scan# 2680

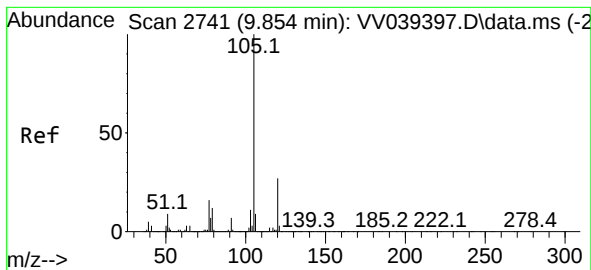
Delta R.T. 0.006 min

Lab File: VV039400.D

Acq: 18 Nov 2025 11:13

Tgt Ion:	173	Resp:	23537
Ion	Ratio	Lower	Upper
173	100		
175	44.7	38.5	57.7
254	10.6	8.4	12.6





#60

Isopropylbenzene

Concen: 2.144 ug/L

RT: 9.857 min Scan# 21

Delta R.T. 0.003 min

Lab File: VV039400.D

Acq: 18 Nov 2025 11:13

Instrument :

MSVOA_V

ClientSampleId :

MDL-WATER-QT4-2025-08

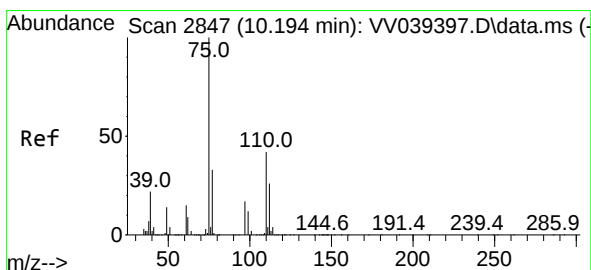
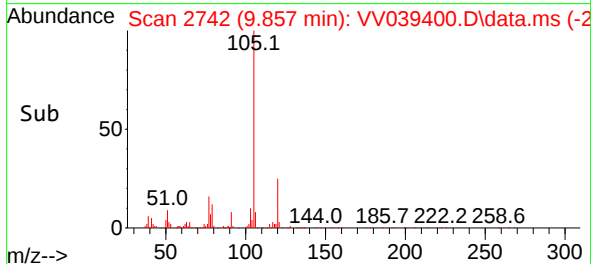
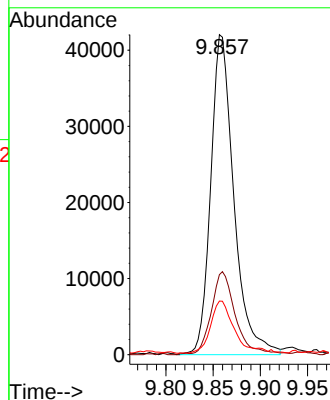
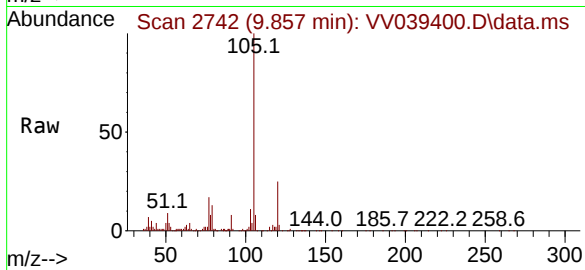
Tgt Ion:105 Resp: 71664

Ion Ratio Lower Upper

105 100

120 26.8 21.4 32.0

77 15.8 12.3 18.5



#61

1,2,3-Trichloropropane

Concen: 2.753 ug/L

RT: 10.197 min Scan# 2848

Delta R.T. 0.003 min

Lab File: VV039400.D

Acq: 18 Nov 2025 11:13

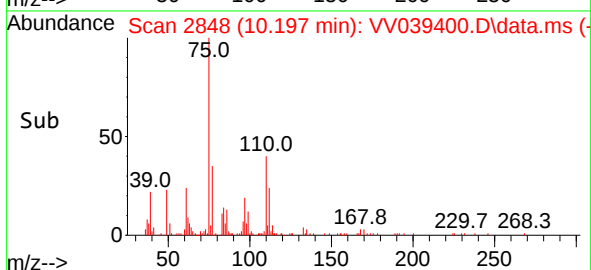
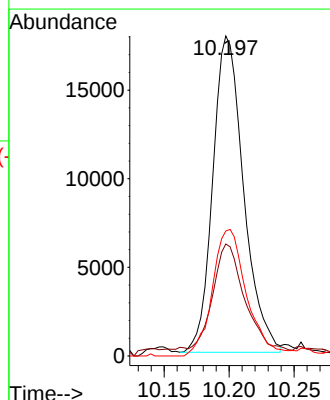
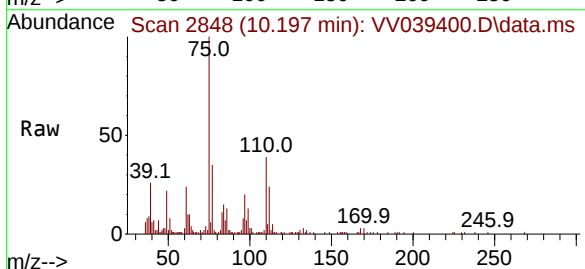
Tgt Ion: 75 Resp: 29481

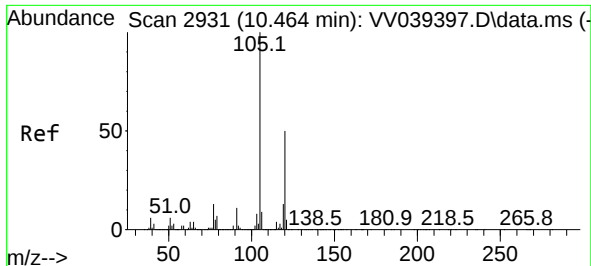
Ion Ratio Lower Upper

75 100

77 32.5 25.7 38.5

110 44.6 32.6 49.0

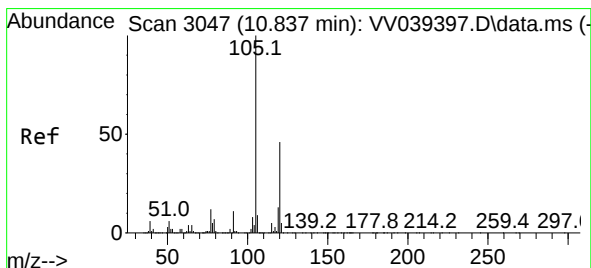
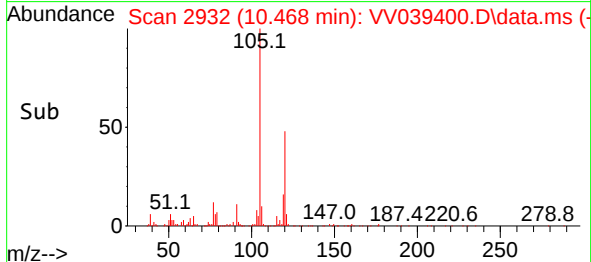
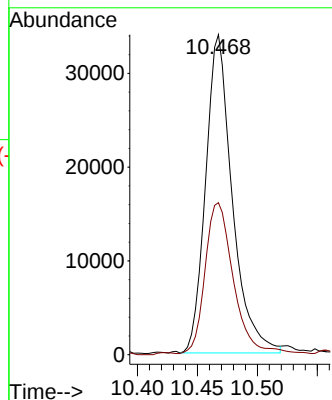
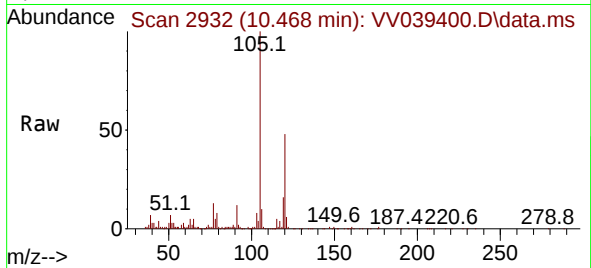




#62
1,3,5-Trimethylbenzene
Concen: 2.010 ug/L
RT: 10.468 min Scan# 2931
Delta R.T. 0.003 min
Lab File: VV039400.D
Acq: 18 Nov 2025 11:13

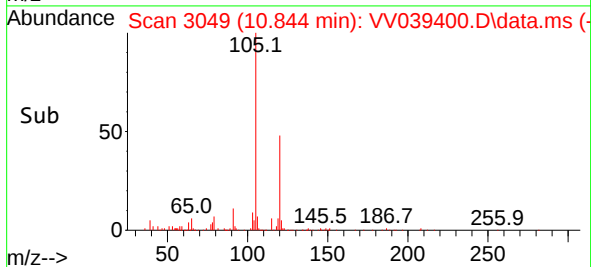
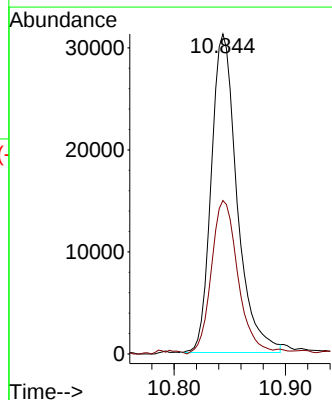
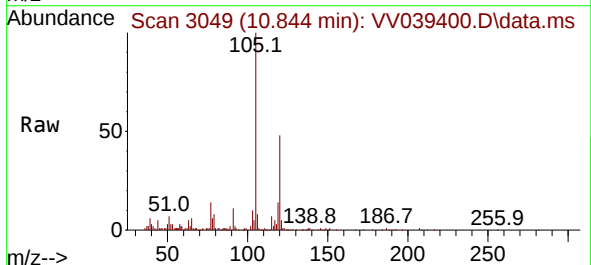
Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT4-2025-08

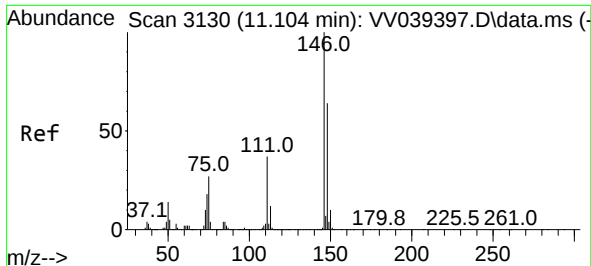
Tgt Ion:105 Resp: 52475
Ion Ratio Lower Upper
105 100
120 51.6 39.8 59.8



#63
1,2,4-Trimethylbenzene
Concen: 1.957 ug/L
RT: 10.844 min Scan# 3049
Delta R.T. 0.006 min
Lab File: VV039400.D
Acq: 18 Nov 2025 11:13

Tgt Ion:105 Resp: 50236
Ion Ratio Lower Upper
105 100
120 49.7 37.4 56.2

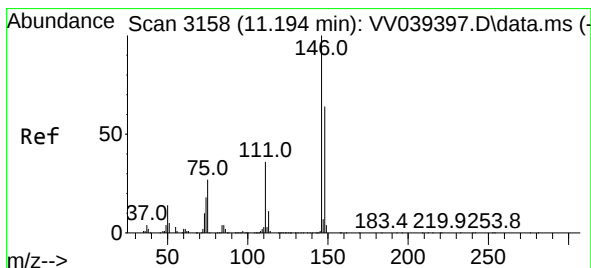
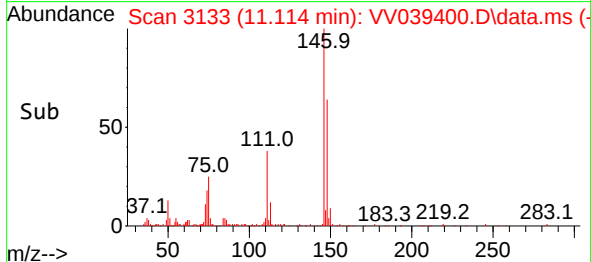
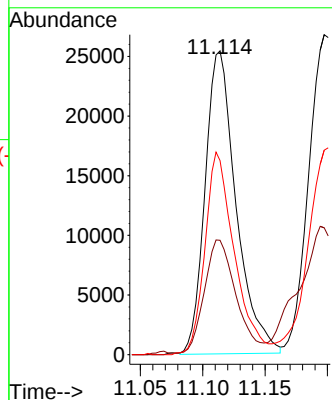
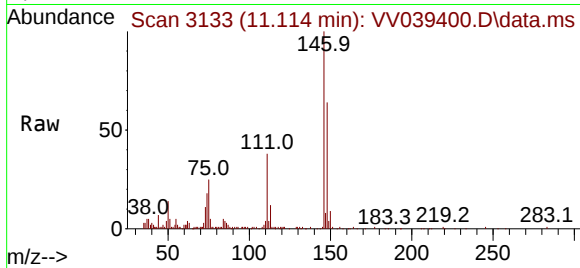




#64
1,3-Dichlorobenzene
Concen: 2.416 ug/L
RT: 11.114 min Scan# 3113
Delta R.T. 0.010 min
Lab File: VV039400.D
Acq: 18 Nov 2025 11:13

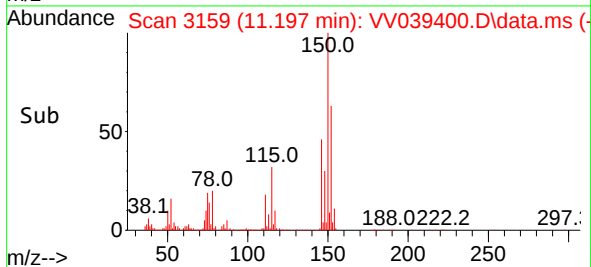
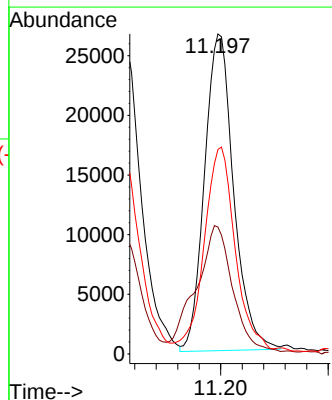
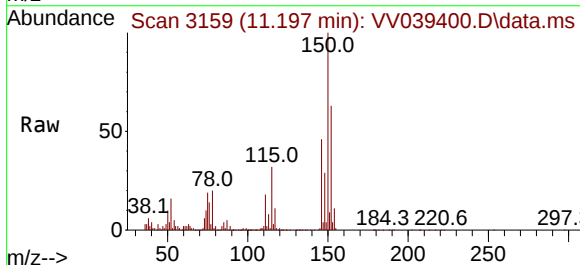
Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT4-2025-08

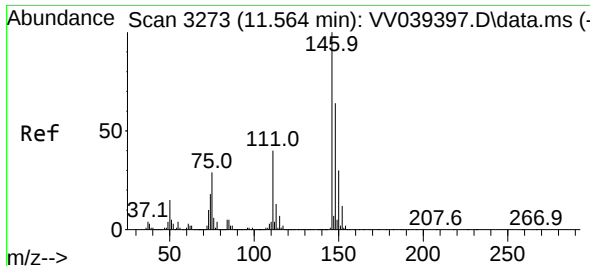
Tgt Ion:146	Resp:	43968
Ion Ratio	Lower	Upper
146	100	
111	37.6	26.5 49.3
148	63.9	44.6 82.8



#65
1,4-Dichlorobenzene
Concen: 2.548 ug/L
RT: 11.197 min Scan# 3159
Delta R.T. 0.003 min
Lab File: VV039400.D
Acq: 18 Nov 2025 11:13

Tgt Ion:146	Resp:	49952
Ion Ratio	Lower	Upper
146	100	
111	39.7	25.6 47.4
148	63.9	44.9 83.5

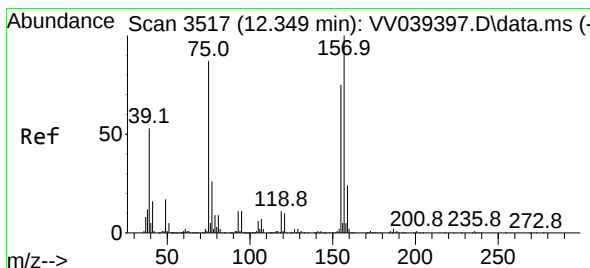
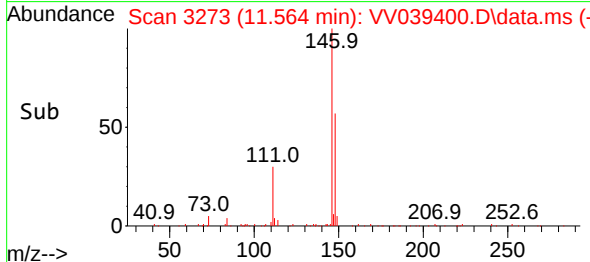
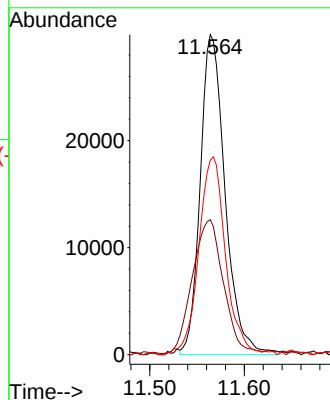
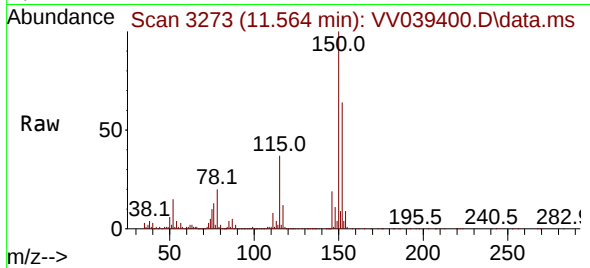




#67
1,2-Dichlorobenzene
Concen: 3.009 ug/L
RT: 11.564 min Scan# 311
Delta R.T. -0.000 min
Lab File: VV039400.D
Acq: 18 Nov 2025 11:13

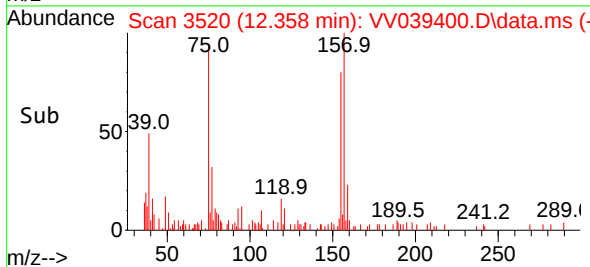
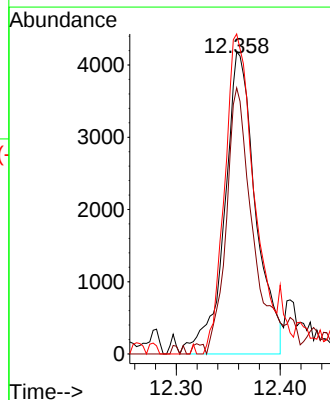
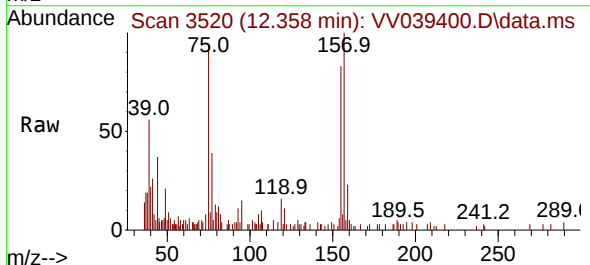
Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT4-2025-08

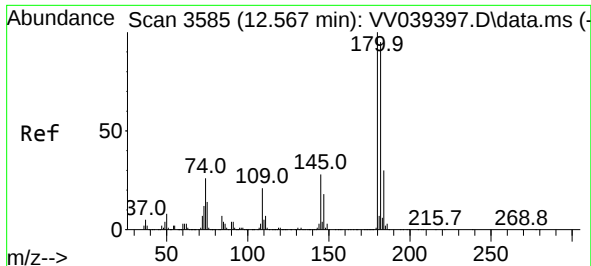
Tgt Ion:	146	Resp:	54692
Ion Ratio	Lower	Upper	
146	100		
111	42.2	32.2	48.2
148	60.7	51.6	77.4



#68
1,2-Dibromo-3-chloropropane
Concen: 2.870 ug/L
RT: 12.358 min Scan# 3520
Delta R.T. 0.010 min
Lab File: VV039400.D
Acq: 18 Nov 2025 11:13

Tgt Ion:	75	Resp:	8627
Ion Ratio	Lower	Upper	
75	100		
155	88.1	73.0	109.4
157	105.9	91.0	136.4

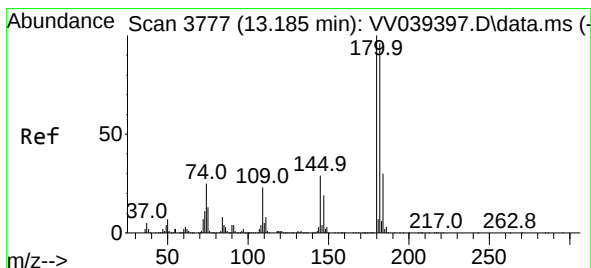
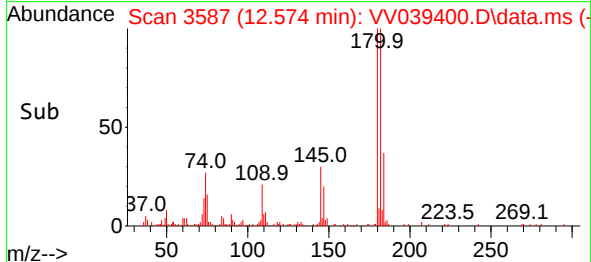
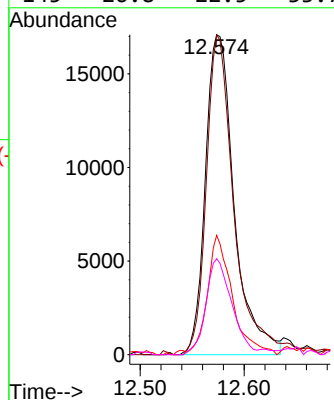
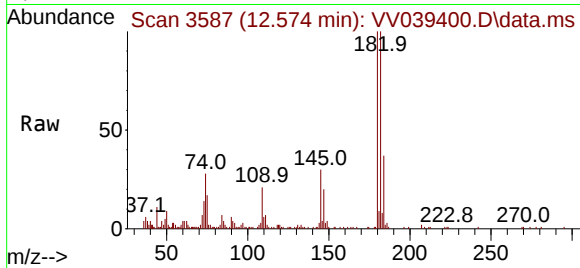




#69
1,3,5-Trichlorobenzene
Concen: 2.539 ug/L
RT: 12.574 min Scan# 31
Delta R.T. 0.006 min
Lab File: VV039400.D
Acq: 18 Nov 2025 11:13

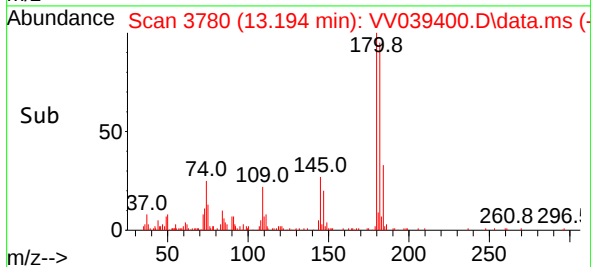
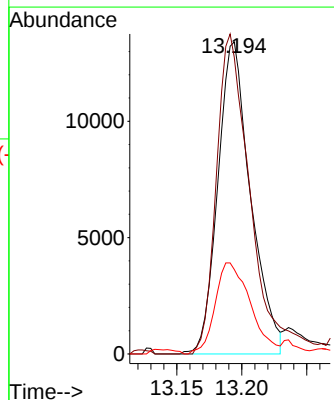
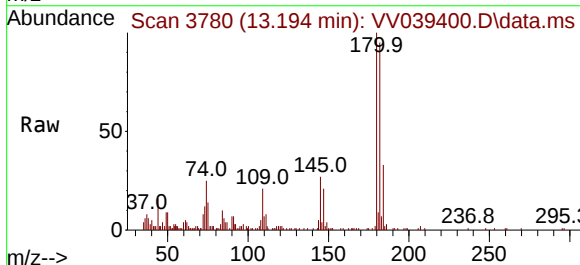
Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT4-2025-08

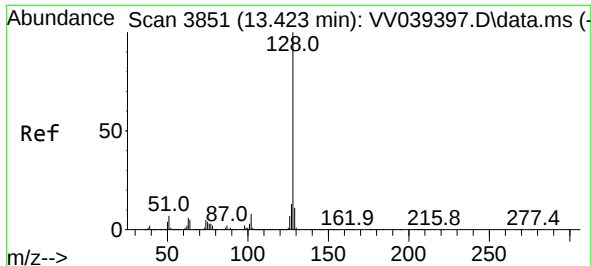
Tgt Ion:180	Resp:	32910
Ion Ratio	Lower	Upper
180	100	
182	94.4	75.8 113.8
184	32.2	24.3 36.5
145	26.8	22.5 33.7



#70
1,2,4-trichlorobenzene
Concen: 2.080 ug/L
RT: 13.194 min Scan# 3780
Delta R.T. 0.010 min
Lab File: VV039400.D
Acq: 18 Nov 2025 11:13

Tgt Ion:180	Resp:	23493
Ion Ratio	Lower	Upper
180	100	
182	106.3	76.1 114.1
145	31.4	22.5 33.7

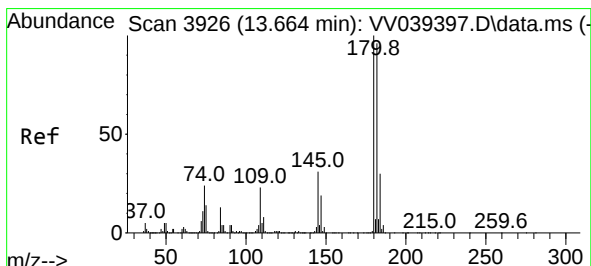
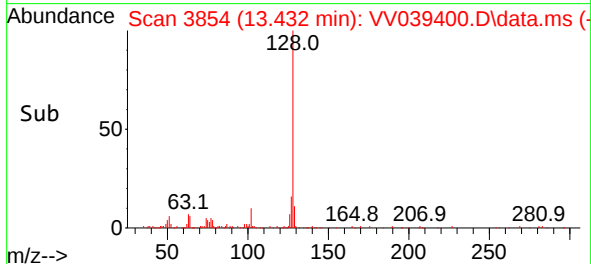
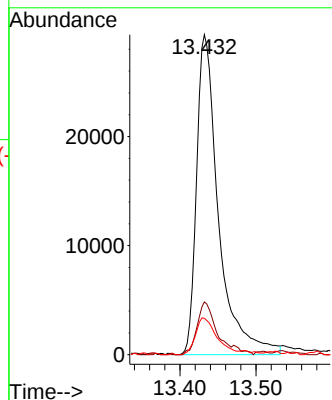
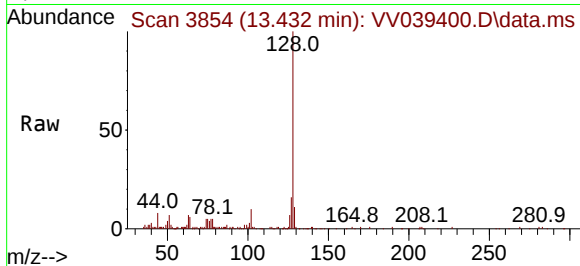




#71
Naphthalene
Concen: 1.852 ug/L
RT: 13.432 min Scan# 3854
Delta R.T. 0.010 min
Lab File: VV039400.D
Acq: 18 Nov 2025 11:13

Instrument :
MSVOA_V
ClientSampleId :
MDL-WATER-QT4-2025-08

Tgt Ion:128 Resp: 58894
Ion Ratio Lower Upper
128 100
127 14.0 10.6 16.0
129 11.0 8.7 13.1



#72
1,2,3-Trichlorobenzene
Concen: 2.267 ug/L
RT: 13.670 min Scan# 3928
Delta R.T. 0.006 min
Lab File: VV039400.D
Acq: 18 Nov 2025 11:13

Tgt Ion:180 Resp: 26530
Ion Ratio Lower Upper
180 100
182 88.3 76.6 115.0
145 29.6 24.3 36.5

