

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112625\
 Data File : VN088366.D
 Acq On : 26 Nov 2025 11:09
 Operator : JC\MD
 Sample : Q3530-09 2.5PPB
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

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

Quant Time: Nov 27 00:10:55 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N111325W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Nov 14 00:49:21 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	7.794	128	49653	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.083	114	260835	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.847	117	235255	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.565	65	134113	29.570	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	98.567%
60) 4-Bromofluorobenzene	12.829	95	101742	25.583	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	85.267%
63) Toluene-d8	10.547	98	338656	30.406	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	101.367%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.142	85	5925	1.698	ug/l	97
3) Chloromethane	2.389	50	9028	2.509	ug/l	100
4) Vinyl Chloride	2.536	62	8361	2.197	ug/l	98
5) Bromomethane	2.983	94	5022	2.475	ug/l	97
6) Chloroethane	3.136	64	5328	2.265	ug/l	97
7) Trichlorofluoromethane	3.506	101	6807	1.276	ug/l	85
8) Diethyl Ether	3.965	74	4941	2.478	ug/l	65
9) 1,1,2-Trichlorotrifluo...	4.371	101	2412	0.862	ug/l	88
10) 1,1-Dichloroethene	4.348	96	6262	2.293	ug/l	89
11) Methyl Iodide	4.595	142	2198	0.756	ug/l	94
12) Methyl Acetate	5.018	43	10884	2.471	ug/l	90
13) Acrolein	4.177	56	8962	13.829	ug/l #	66
14) Acrylonitrile	5.700	53	11852	5.921	ug/l #	35
15) Acetone	4.424	58	4059	6.935	ug/l #	43
16) Carbon Disulfide	4.706	76	21518	2.337	ug/l	96
17) Allyl chloride	5.012	41	7841	1.478	ug/l	93
18) Methylene Chloride	5.271	84	9285	2.736	ug/l #	80
19) trans-1,2-Dichloroethene	5.789	96	5406	1.700	ug/l #	60
20) Diisopropyl ether	6.653	45	12906	1.138	ug/l #	40
21) 1,1-Dichloroethane	6.553	63	16121	2.524	ug/l #	91
22) cis-1,2-Dichloroethene	7.471	96	8628	2.335	ug/l #	87
23) tert-Butyl Alcohol	5.495	59	2077	2.822	ug/l #	100
24) Methyl tert-Butyl Ether	5.771	73	9244	0.840	ug/l #	69
25) Chloroform	7.941	83	8233	1.301	ug/l	88
26) Cyclohexane	8.241	56	10454	1.938	ug/l #	90
29) 1,1-Dichloropropene	8.353	75	9321	2.142	ug/l	70
30) 2-Butanone	7.471	43	25344	9.002	ug/l #	74
31) 2,2-Dichloropropane	7.477	77	12830	2.390	ug/l	95
32) 1,1,1-Trichloroethane	8.153	97	11818	2.203	ug/l	96
33) Carbon Tetrachloride	8.347	117	10261	2.240	ug/l	89
34) Benzene	8.588	78	32004	2.460	ug/l #	72
35) Methacrylonitrile	7.771	41	6022	2.051	ug/l	90
36) 1,2-Dichloroethane	8.653	62	11898	2.350	ug/l	98
37) Trichloroethene	9.336	130	7738	2.625	ug/l #	74
38) Methylcyclohexane	9.583	83	9758	1.956	ug/l	97
39) 1,2-Dichloropropane	9.600	63	7662	2.283	ug/l	97
40) Dibromomethane	9.694	93	6561	2.721	ug/l	98
41) Bromodichloromethane	9.865	83	11692	2.409	ug/l	94
42) Vinyl Acetate	6.589	43	94054	10.010	ug/l	100

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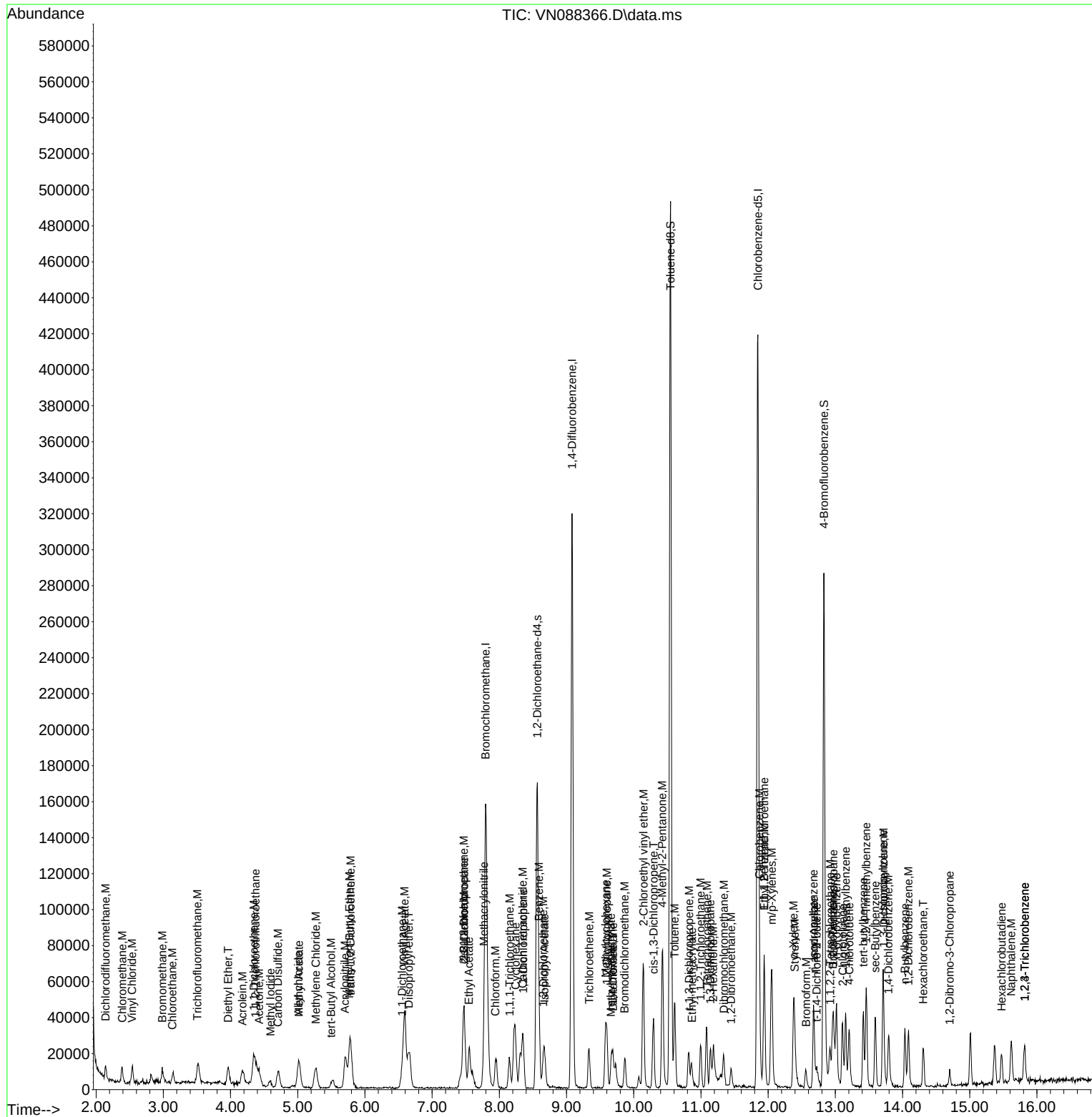
Quant Time: Nov 27 00:10:55 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N111325W.M
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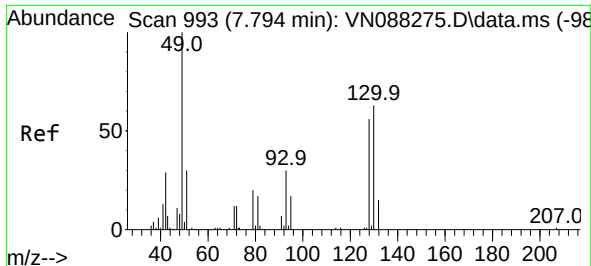
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.547	43	11341	2.002	ug/l	100
44) Isopropyl Acetate	8.671	43	20651	2.366	ug/l #	79
45) 1,4-Dioxane	9.688	88	358	6.810	ug/l #	5
46) Methyl methacrylate	9.659	41	6520	1.596	ug/l	98
47) n-amyl Acetate	12.682	43	1500	0.339	ug/l #	100
48) t-1,3-Dichloropropene	10.824	75	11395	2.195	ug/l #	88
49) cis-1,3-Dichloropropene	10.294	75	12425	2.300	ug/l	93
50) 1,1,2-Trichloroethane	10.994	97	7085	2.376	ug/l #	87
51) Ethyl methacrylate	10.865	69	7531	1.535	ug/l	82
52) 1,3-Dichloropropane	11.141	76	12837	2.364	ug/l	93
53) Dibromochloromethane	11.341	129	7675	2.241	ug/l	91
54) 1,2-Dibromoethane	11.447	107	7280	2.350	ug/l	96
55) 2-Chloroethyl vinyl ether	10.147	63	30665	10.851	ug/l	95
56) Bromoform	12.565	173	4815	2.221	ug/l #	91
58) 4-Methyl-2-Pentanone	10.424	43	60798	11.426	ug/l	95
59) 2-Hexanone	11.182	43	21863	6.188	ug/l #	84
61) Tetrachloroethene	11.088	164	6969	2.873	ug/l	99
62) Toluene	10.606	91	32992	2.444	ug/l	99
64) Chlorobenzene	11.871	112	19138	2.289	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.941	131	6787	2.372	ug/l	92
66) Ethyl Benzene	11.941	91	31871	2.142	ug/l	98
67) m/p-Xylenes	12.053	106	22487	4.041	ug/l	91
68) o-Xylene	12.376	106	10523	2.005	ug/l	99
69) Styrene	12.394	104	15304	1.717	ug/l	93
70) Isopropylbenzene	12.676	105	25931	1.864	ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.924	83	9899	2.197	ug/l #	97
72) 1,2,3-Trichloropropane	12.971	75	12071	2.765	ug/l	22
73) Bromobenzene	12.965	156	6536	2.081	ug/l	55
74) n-propylbenzene	13.018	91	33404	1.940	ug/l	97
75) 2-Chlorotoluene	13.112	91	21826	2.085	ug/l	96
76) 1,3,5-Trimethylbenzene	13.153	105	22722	1.946	ug/l	96
77) t-1,4-Dichloro-2-butene	12.724	75	1840	1.227	ug/l	89
78) 4-Chlorotoluene	13.206	91	21792	2.054	ug/l	99
79) tert-butylbenzene	13.418	119	17764	1.777	ug/l	92
80) 1,2,4-Trimethylbenzene	13.459	105	21109	1.818	ug/l	97
81) sec-Butylbenzene	13.594	105	26558	1.821	ug/l	96
82) p-Isopropyltoluene	13.712	119	21402	1.776	ug/l	99
83) 1,3-Dichlorobenzene	13.718	146	13124	2.151	ug/l	98
84) 1,4-Dichlorobenzene	13.788	146	13751	2.225	ug/l	93
85) n-Butylbenzene	14.035	91	19668	1.713	ug/l	100
86) Hexachloroethane	14.306	117	4347	1.884	ug/l	97
87) 1,2-Dichlorobenzene	14.088	146	13053	2.266	ug/l	95
88) 1,2-Dibromo-3-Chloropr...	14.700	75	1893	1.787	ug/l	94
89) 1,2,4-Trichlorobenzene	15.817	180	7166	2.217	ug/l	92
90) Hexachlorobutadiene	15.476	225	2851	2.272	ug/l	95
91) Naphthalene	15.617	128	20997	1.796	ug/l #	90
92) 1,2,3-Trichlorobenzene	15.817	180	7166	2.217	ug/l	92

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

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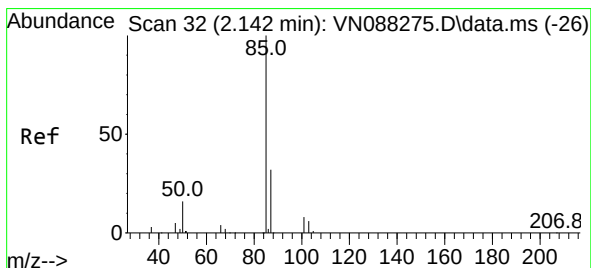
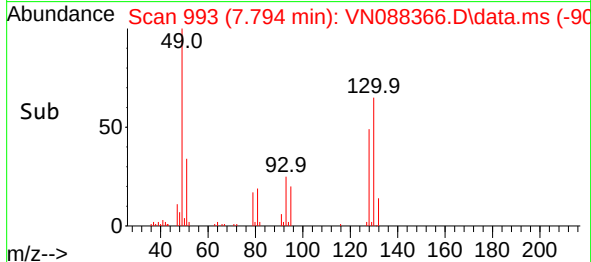
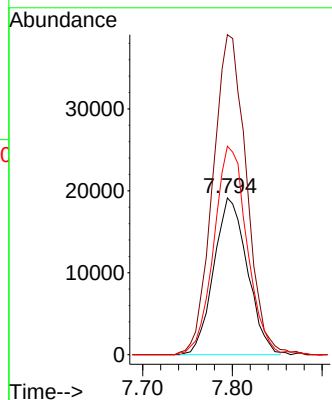
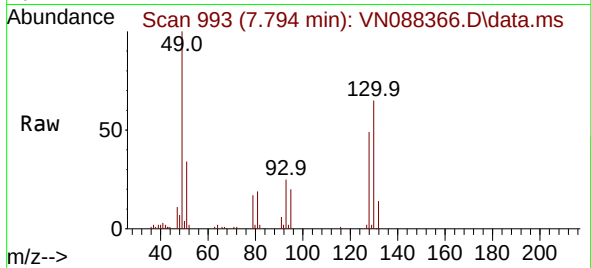




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.794 min Scan# 993
Delta R.T. 0.000 min
Lab File: VN088366.D
Acq: 26 Nov 2025 11:09

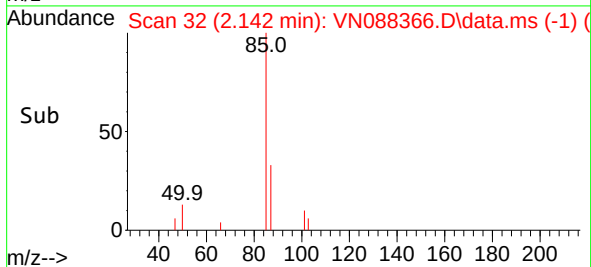
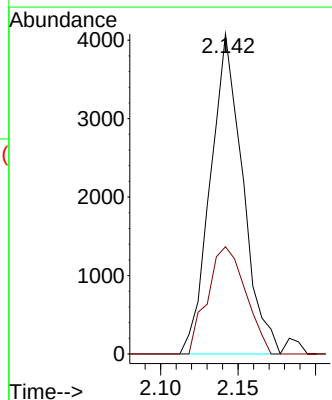
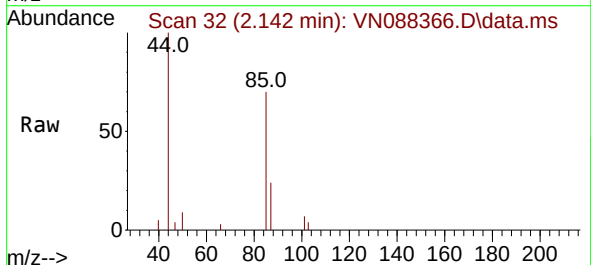
Instrument :
MSVOA_N
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MDL-WATER-03-QT4-2025

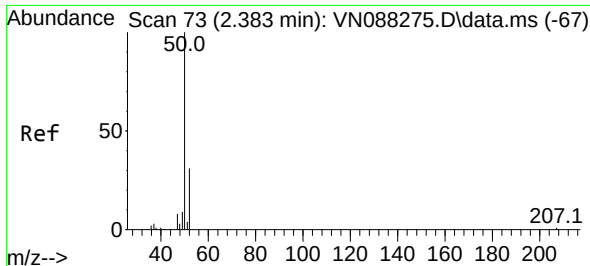
Tgt Ion	Ratio	Lower	Upper
128	100		
49	204.5	0.0	501.2
130	131.4	0.0	320.2



#2
Dichlorodifluoromethane
Concen: 1.698 ug/l
RT: 2.142 min Scan# 32
Delta R.T. 0.000 min
Lab File: VN088366.D
Acq: 26 Nov 2025 11:09

Tgt Ion	Ratio	Lower	Upper
85	100		
87	33.5	16.0	48.0

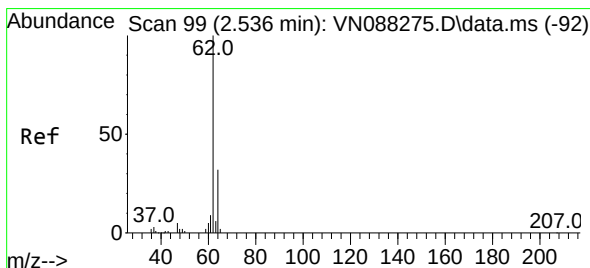
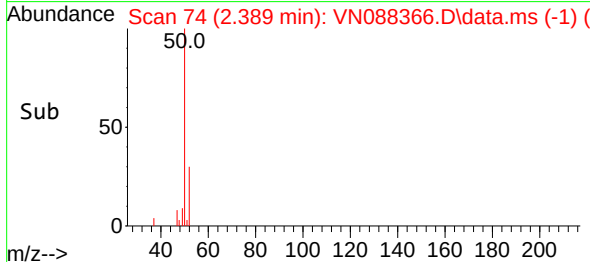
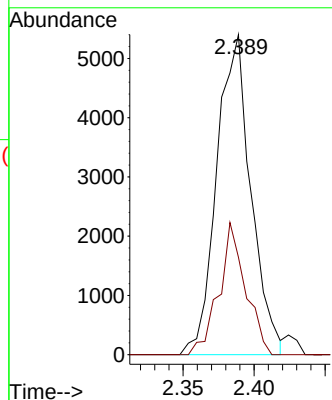
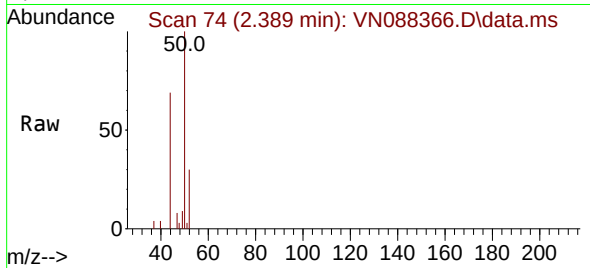




#3
Chloromethane
Concen: 2.509 ug/l
RT: 2.389 min Scan# 74
Delta R.T. 0.006 min
Lab File: VN088366.D
Acq: 26 Nov 2025 11:09

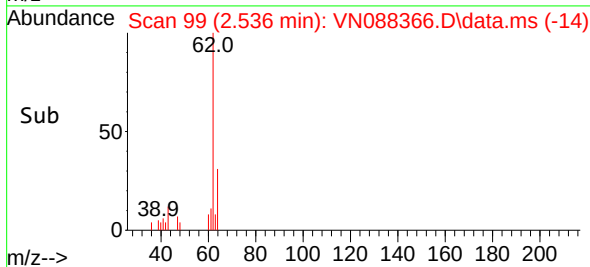
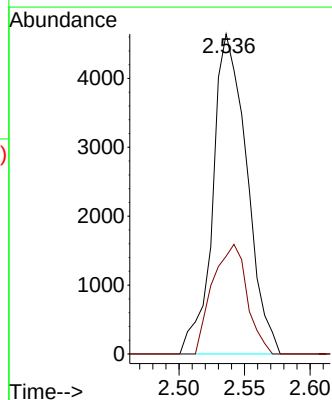
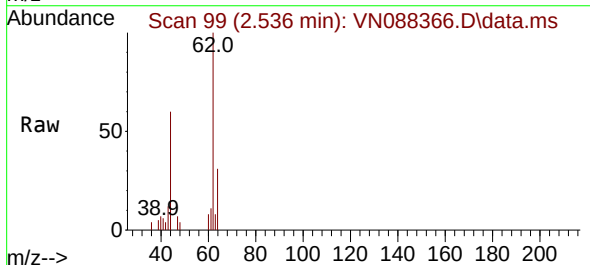
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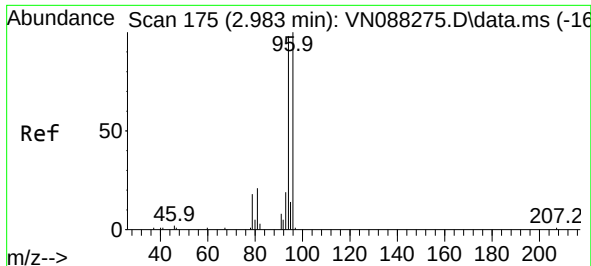
Tgt Ion: 50 Resp: 9028
Ion Ratio Lower Upper
50 100
52 30.5 24.6 36.8



#4
Vinyl Chloride
Concen: 2.197 ug/l
RT: 2.536 min Scan# 99
Delta R.T. 0.000 min
Lab File: VN088366.D
Acq: 26 Nov 2025 11:09

Tgt Ion: 62 Resp: 8361
Ion Ratio Lower Upper
62 100
64 30.5 25.4 38.2

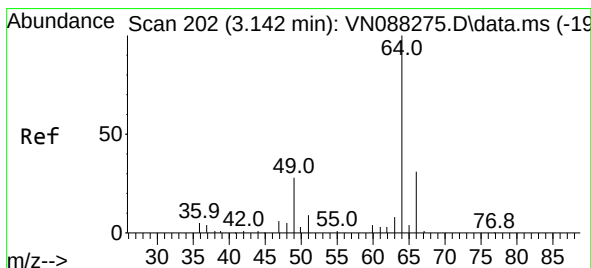
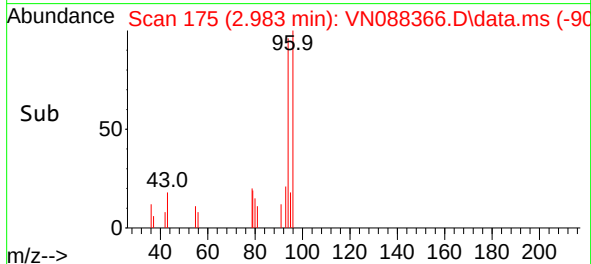
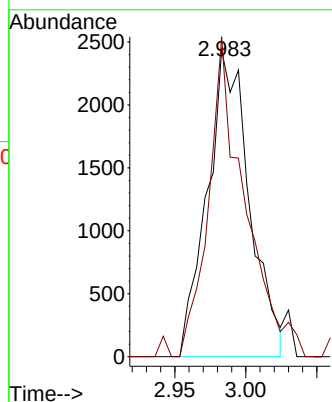
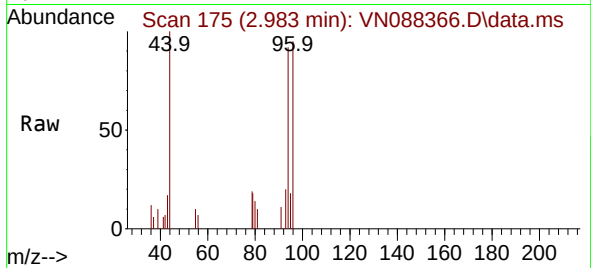




#5
Bromomethane
Concen: 2.475 ug/l
RT: 2.983 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN088366.D
Acq: 26 Nov 2025 11:09

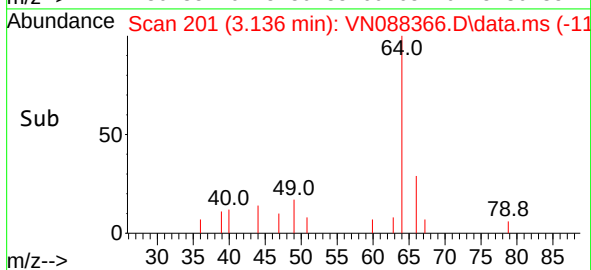
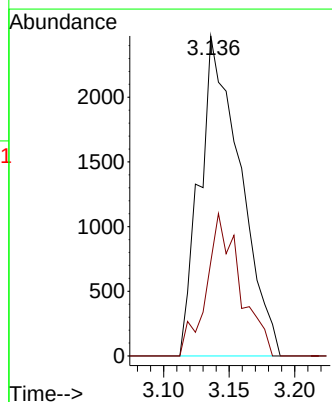
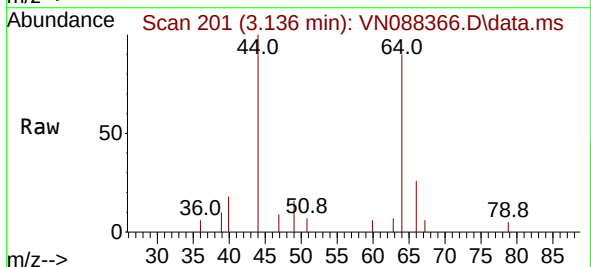
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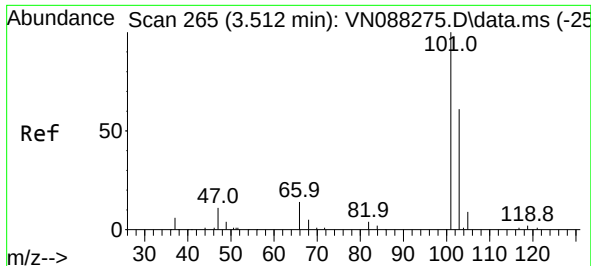
Tgt Ion: 94 Resp: 5022
Ion Ratio Lower Upper
94 100
96 104.2 81.3 121.9



#6
Chloroethane
Concen: 2.265 ug/l
RT: 3.136 min Scan# 201
Delta R.T. -0.006 min
Lab File: VN088366.D
Acq: 26 Nov 2025 11:09

Tgt Ion: 64 Resp: 5328
Ion Ratio Lower Upper
64 100
66 29.4 24.7 37.1

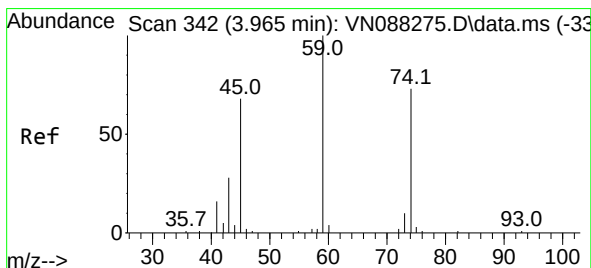
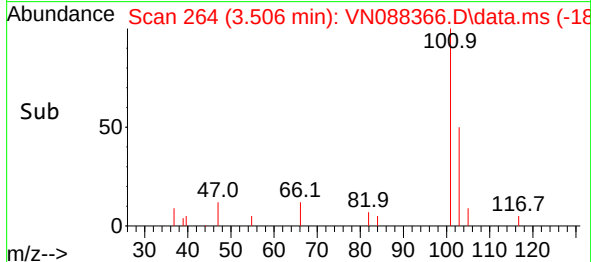
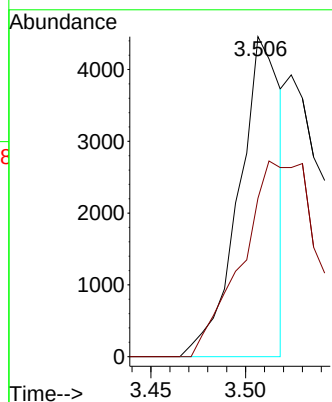
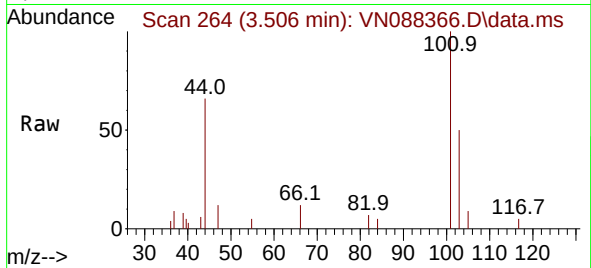




#7
 Trichlorofluoromethane
 Concen: 1.276 ug/l
 RT: 3.506 min Scan# 216
 Delta R.T. -0.006 min
 Lab File: VN088366.D
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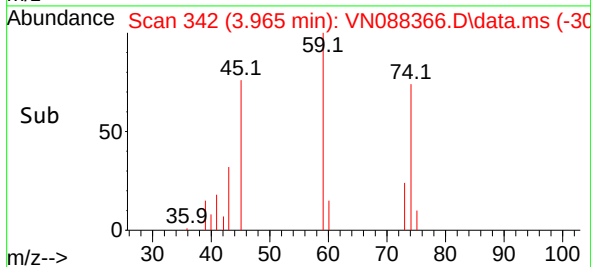
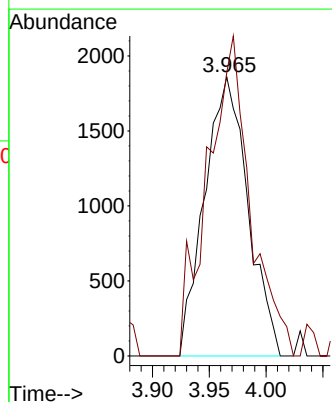
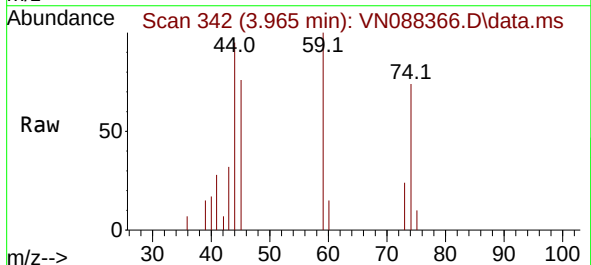
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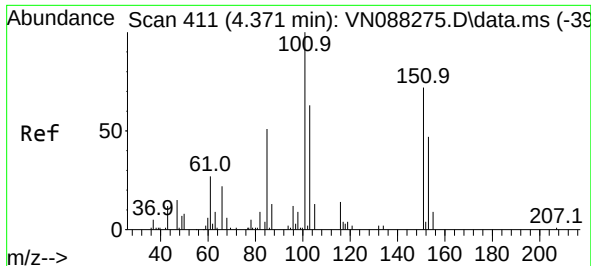
Tgt Ion:101 Resp: 6807
 Ion Ratio Lower Upper
 101 100
 103 49.5 48.6 73.0



#8
 Diethyl Ether
 Concen: 2.478 ug/l
 RT: 3.965 min Scan# 342
 Delta R.T. 0.000 min
 Lab File: VN088366.D
 Acq: 26 Nov 2025 11:09

Tgt Ion: 74 Resp: 4941
 Ion Ratio Lower Upper
 74 100
 45 68.8 20.9 187.7

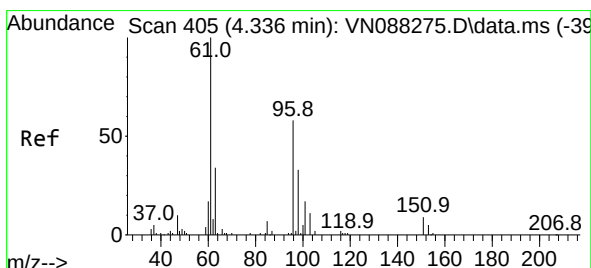
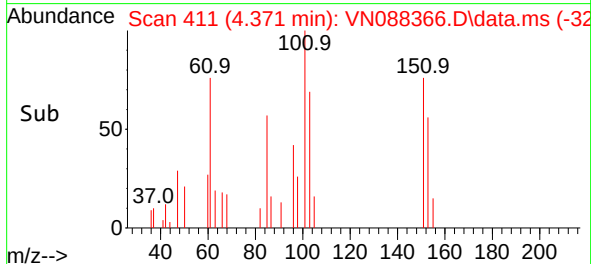
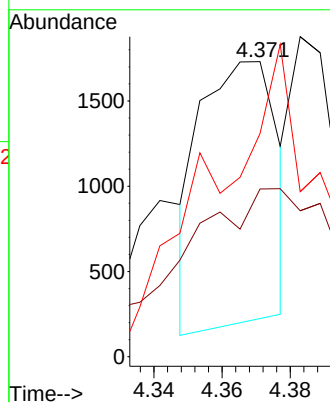
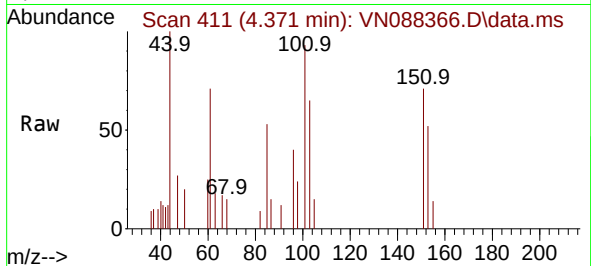




#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.862 ug/l
 RT: 4.371 min Scan# 411
 Delta R.T. 0.000 min
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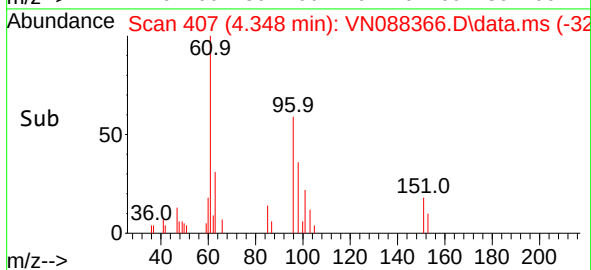
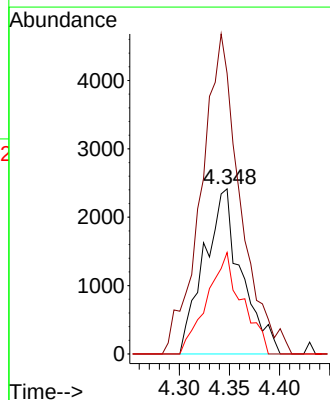
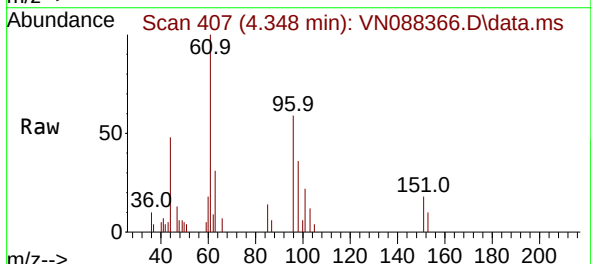
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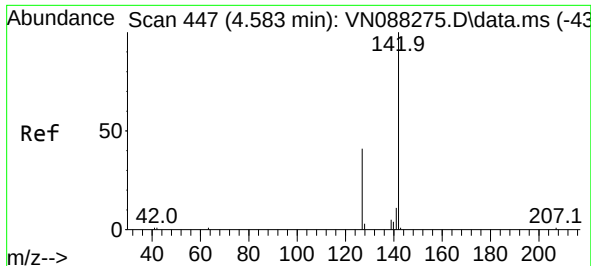
Tgt Ion:	101	Resp:	2412
Ion	Ratio	Lower	Upper
101	100		
85	53.9	0.0	100.8
151	55.9	0.0	138.4



#10
 1,1-Dichloroethene
 Concen: 2.293 ug/l
 RT: 4.348 min Scan# 407
 Delta R.T. 0.012 min
 Lab File: VN088366.D
 Acq: 26 Nov 2025 11:09

Tgt Ion:	96	Resp:	6262
Ion	Ratio	Lower	Upper
96	100		
61	154.7	137.8	206.8
98	61.4	45.6	68.4

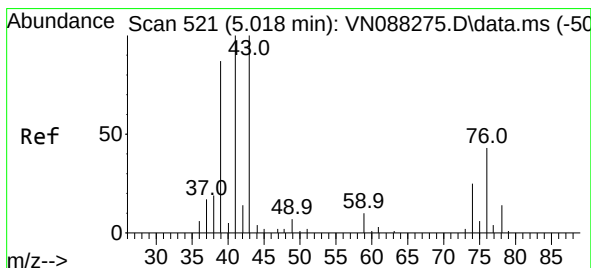
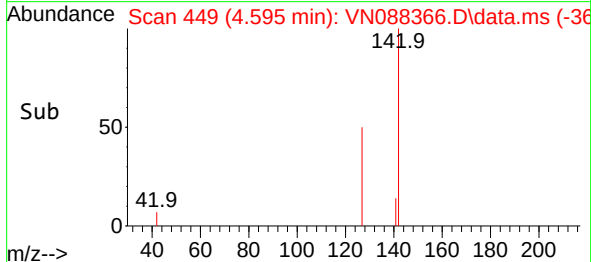
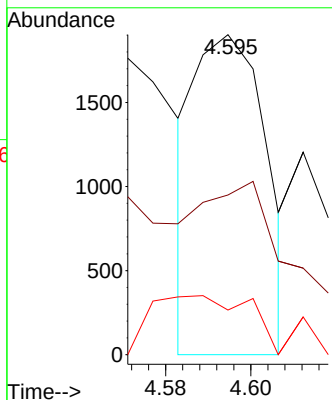
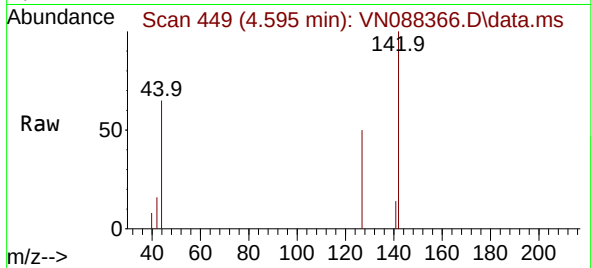




#11
Methyl Iodide
Concen: 0.756 ug/l
RT: 4.595 min Scan# 447
Delta R.T. 0.012 min
Lab File: VN088366.D
Acq: 26 Nov 2025 11:09

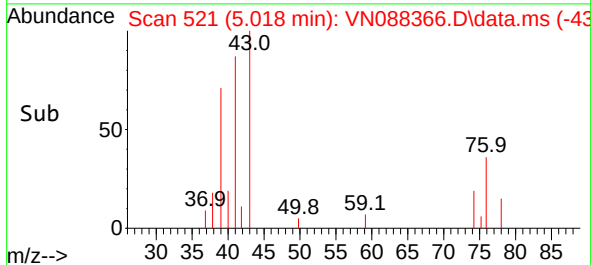
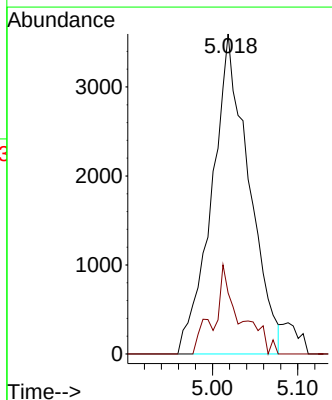
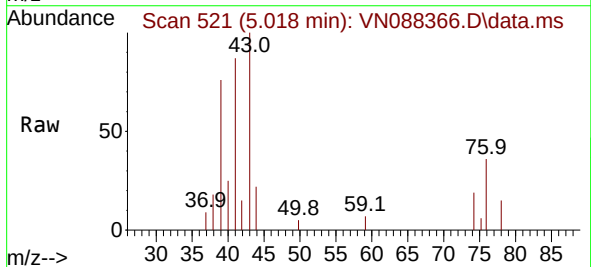
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT4-2025

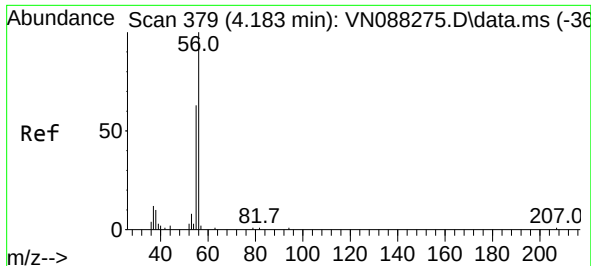
Tgt Ion:142 Resp: 2198
Ion Ratio Lower Upper
142 100
127 36.3 20.4 61.2
141 12.1 5.6 16.8



#12
Methyl Acetate
Concen: 2.471 ug/l
RT: 5.018 min Scan# 521
Delta R.T. 0.000 min
Lab File: VN088366.D
Acq: 26 Nov 2025 11:09

Tgt Ion: 43 Resp: 10884
Ion Ratio Lower Upper
43 100
74 20.0 19.8 29.8

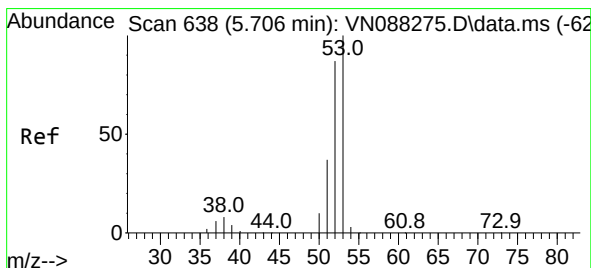
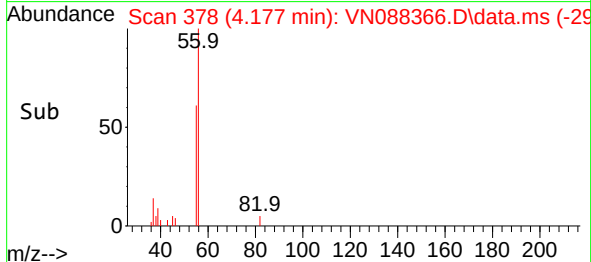
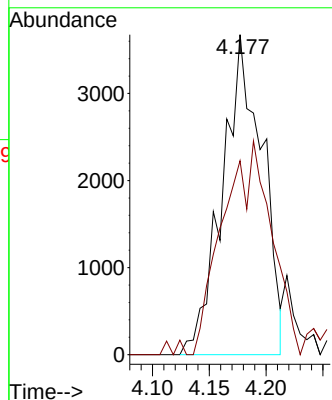
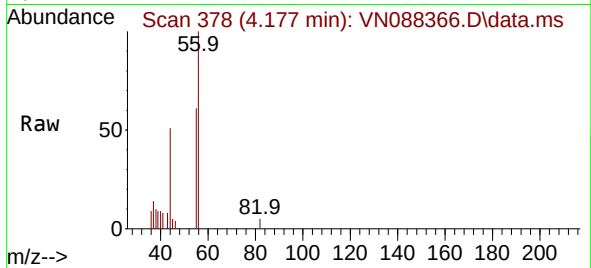




#13
Acrolein
Concen: 13.829 ug/l
RT: 4.177 min Scan# 31
Delta R.T. -0.006 min
Lab File: VN088366.D
Acq: 26 Nov 2025 11:09

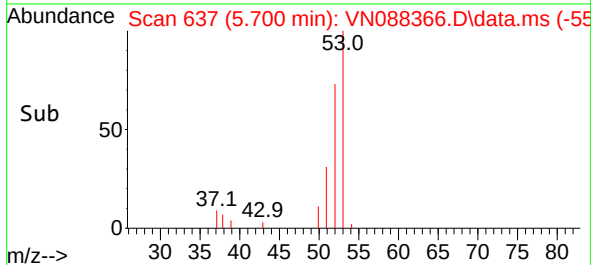
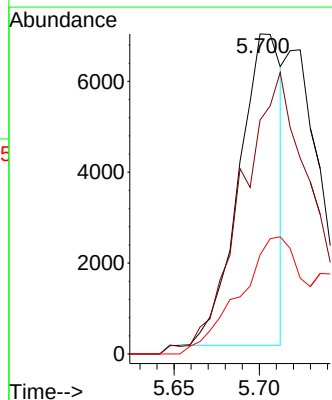
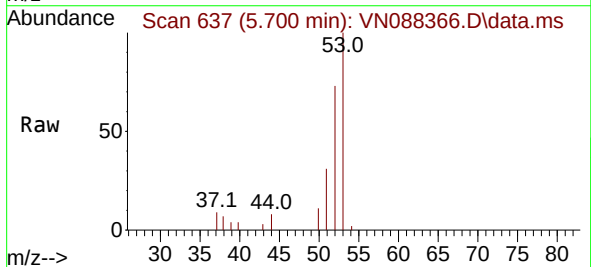
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT4-2025

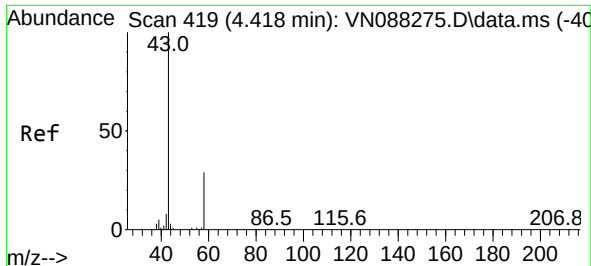
Tgt Ion: 56 Resp: 8962
Ion Ratio Lower Upper
56 100
55 44.2 57.9 86.9#



#14
Acrylonitrile
Concen: 5.921 ug/l
RT: 5.700 min Scan# 637
Delta R.T. -0.006 min
Lab File: VN088366.D
Acq: 26 Nov 2025 11:09

Tgt Ion: 53 Resp: 11852
Ion Ratio Lower Upper
53 100
52 156.8 42.3 126.9#
51 55.0 18.4 55.2

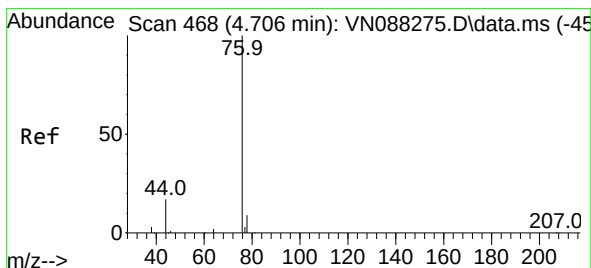
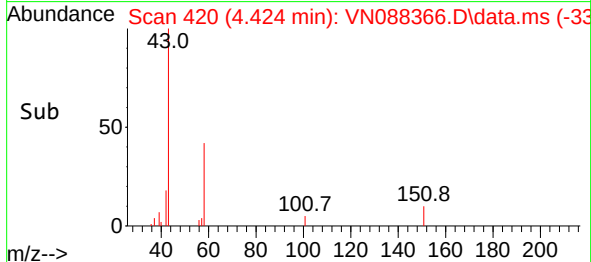
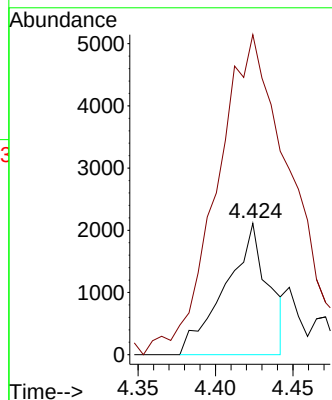
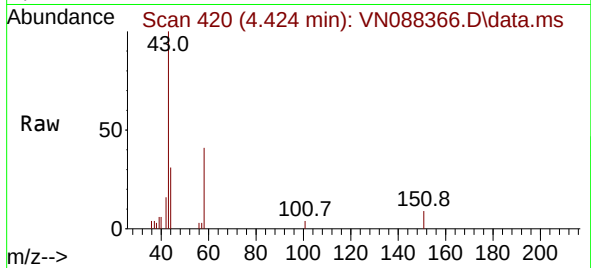




#15
Acetone
Concen: 6.935 ug/l
RT: 4.424 min Scan# 419
Delta R.T. 0.006 min
Lab File: VN088366.D
Acq: 26 Nov 2025 11:09

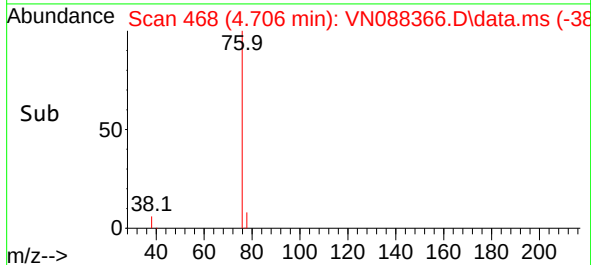
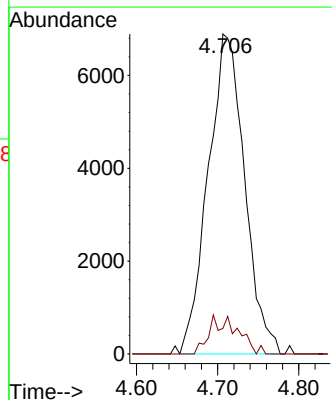
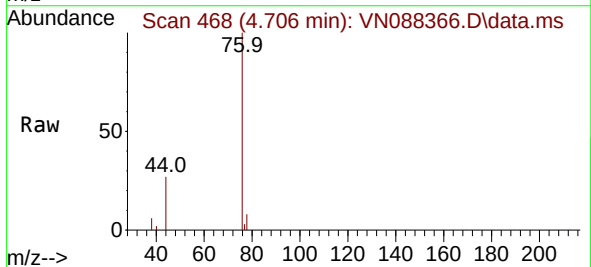
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT4-2025

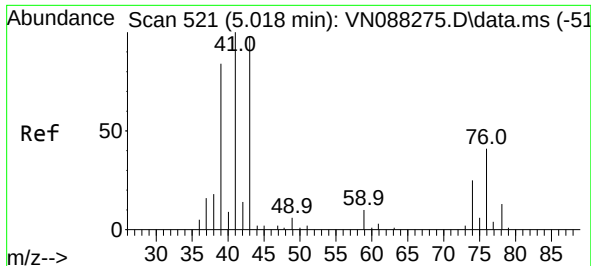
Tgt Ion: 58 Resp: 4059
Ion Ratio Lower Upper
58 100
43 220.9 273.9 410.9#



#16
Carbon Disulfide
Concen: 2.337 ug/l
RT: 4.706 min Scan# 468
Delta R.T. 0.000 min
Lab File: VN088366.D
Acq: 26 Nov 2025 11:09

Tgt Ion: 76 Resp: 21518
Ion Ratio Lower Upper
76 100
78 8.0 7.5 11.3

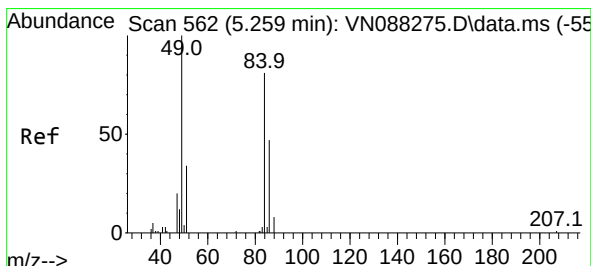
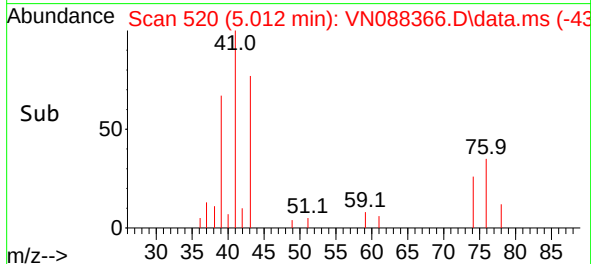
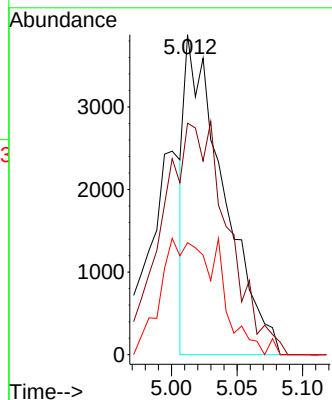
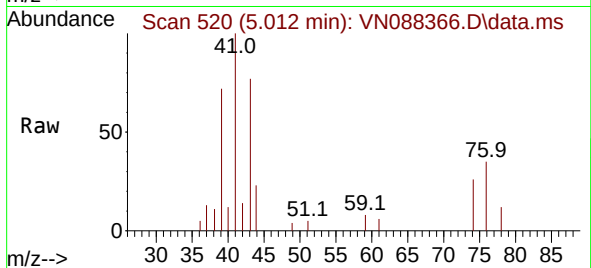




#17
 Allyl chloride
 Concen: 1.478 ug/l
 RT: 5.012 min Scan# 51
 Delta R.T. -0.006 min
 Lab File: VN088366.D
 Acq: 26 Nov 2025 11:09

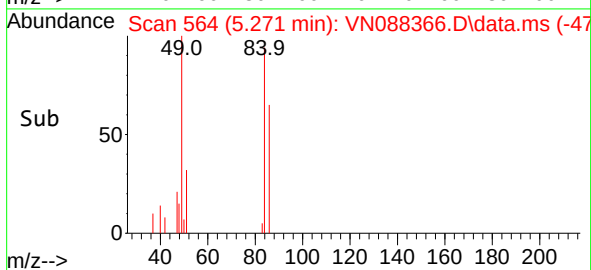
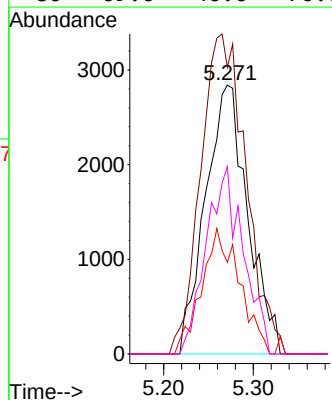
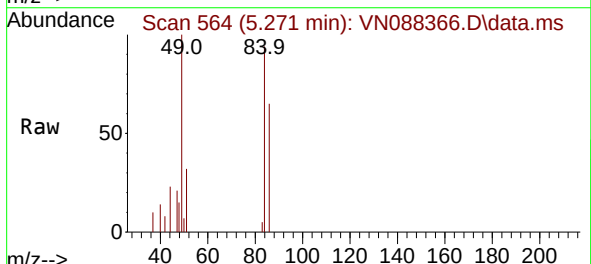
Instrument :
 MSVOA_N
 ClientSampleId :
 MDL-WATER-03-QT4-2025

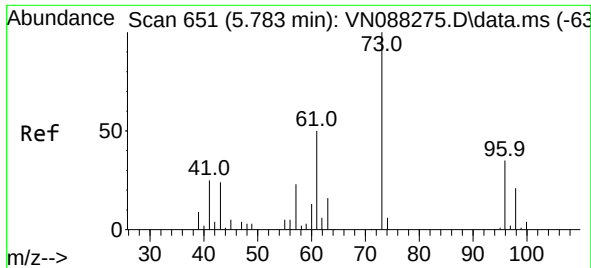
Tgt Ion:	41	Resp:	7841
Ion	Ratio	Lower	Upper
41	100		
39	68.4	38.3	114.9
76	35.0	18.5	55.5



#18
 Methylene Chloride
 Concen: 2.736 ug/l
 RT: 5.271 min Scan# 564
 Delta R.T. 0.012 min
 Lab File: VN088366.D
 Acq: 26 Nov 2025 11:09

Tgt Ion:	84	Resp:	9285
Ion	Ratio	Lower	Upper
84	100		
49	99.7	98.7	148.1
51	28.6	33.7	50.5#
86	69.6	46.6	70.0

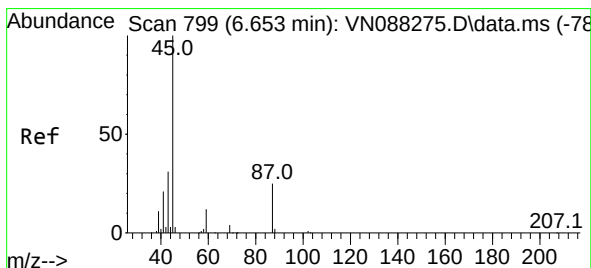
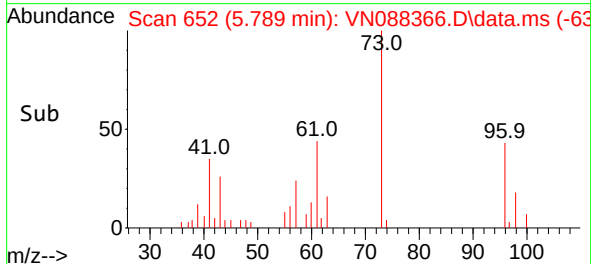
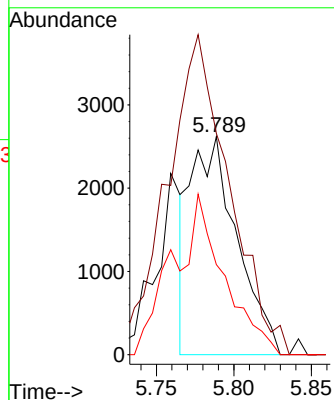
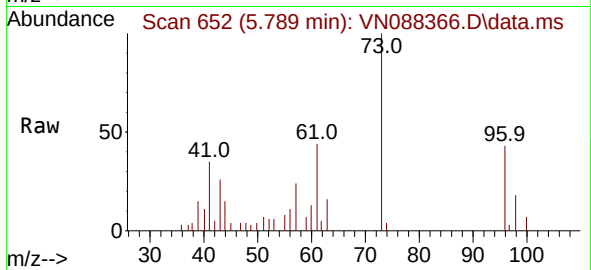




#19
trans-1,2-Dichloroethene
Concen: 1.700 ug/l
RT: 5.789 min Scan# 651
Delta R.T. 0.006 min
Lab File: VN088366.D
Acq: 26 Nov 2025 11:09

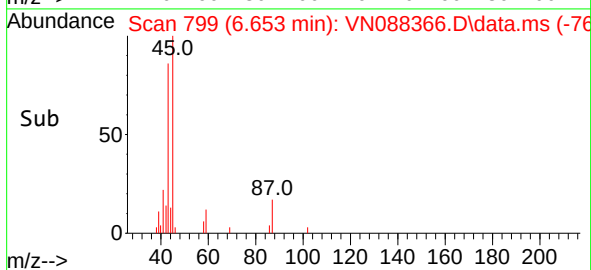
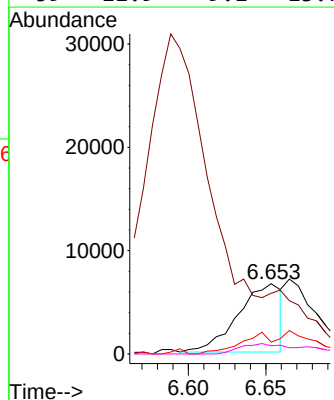
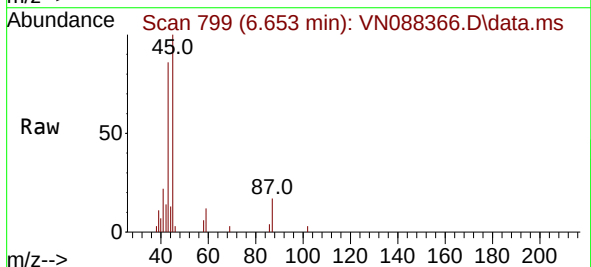
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT4-2025

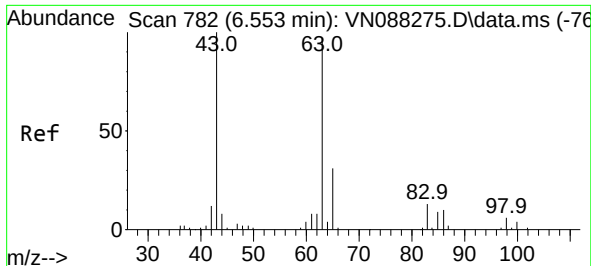
Tgt Ion: 96 Resp: 5406
Ion Ratio Lower Upper
96 100
61 88.0 117.0 175.4#
98 41.3 48.6 72.8#



#20
Diisopropyl ether
Concen: 1.138 ug/l
RT: 6.653 min Scan# 799
Delta R.T. 0.000 min
Lab File: VN088366.D
Acq: 26 Nov 2025 11:09

Tgt Ion: 45 Resp: 12906
Ion Ratio Lower Upper
45 100
43 0.0 51.9 77.9#
87 9.8 21.1 31.7#
59 11.9 9.1 13.7

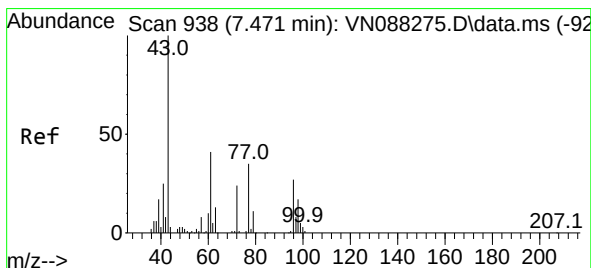
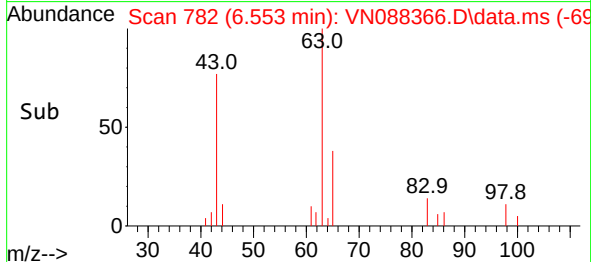
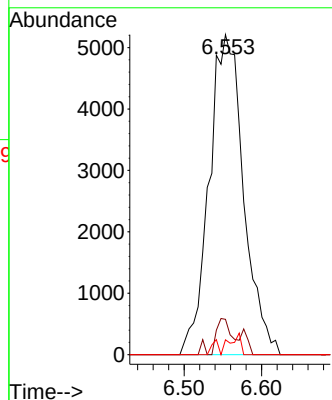
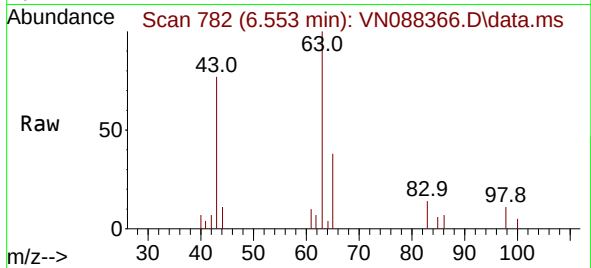




#21
1,1-Dichloroethane
Concen: 2.524 ug/l
RT: 6.553 min Scan# 782
Delta R.T. 0.000 min
Lab File: VN088366.D
Acq: 26 Nov 2025 11:09

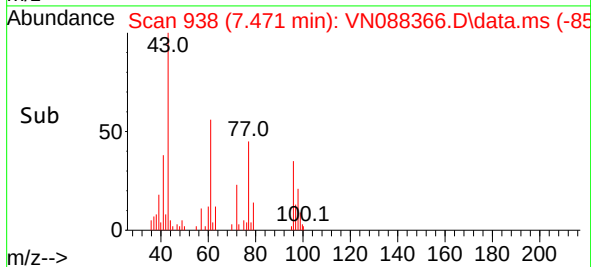
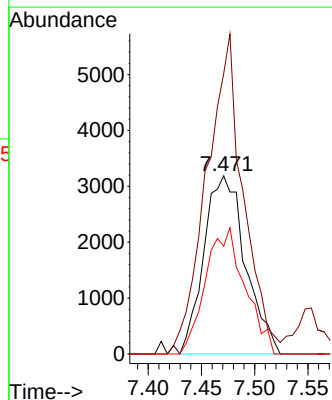
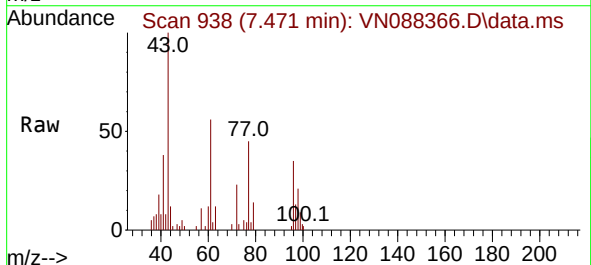
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT4-2025

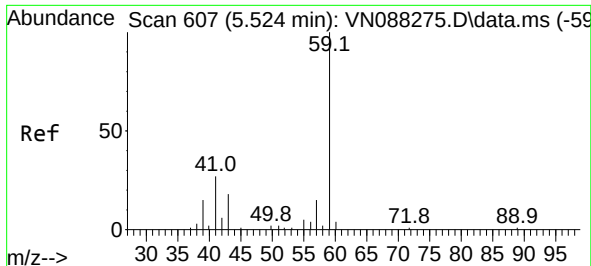
Tgt Ion: 63 Resp: 16121
Ion Ratio Lower Upper
63 100
98 11.0 3.0 9.0#
100 4.7 2.1 6.3



#22
cis-1,2-Dichloroethene
Concen: 2.335 ug/l
RT: 7.471 min Scan# 938
Delta R.T. 0.000 min
Lab File: VN088366.D
Acq: 26 Nov 2025 11:09

Tgt Ion: 96 Resp: 8628
Ion Ratio Lower Upper
96 100
61 159.2 131.2 196.8
98 35.0 51.0 76.4#

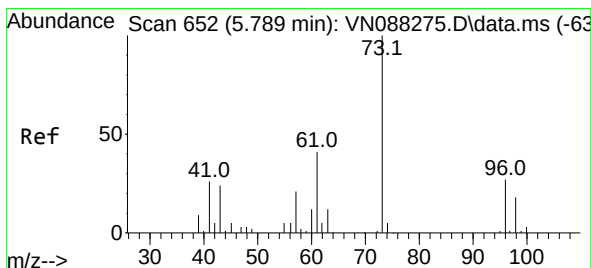
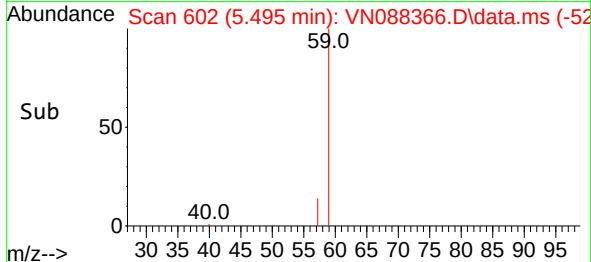
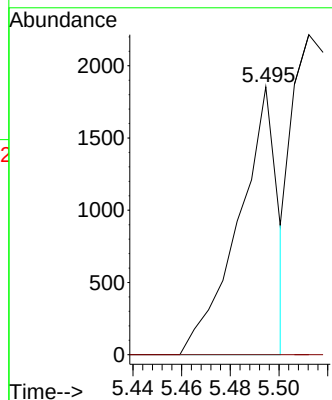
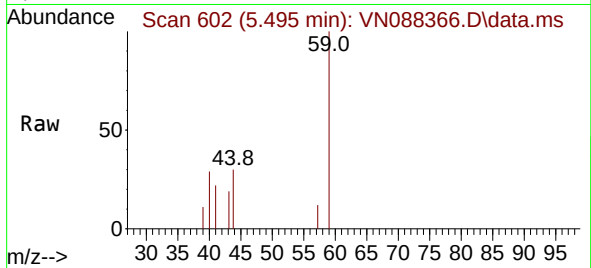




#23
tert-Butyl Alcohol
Concen: 2.822 ug/l
RT: 5.495 min Scan# 607
Delta R.T. -0.029 min
Lab File: VN088366.D
Acq: 26 Nov 2025 11:09

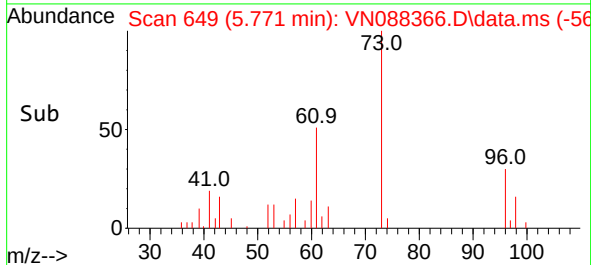
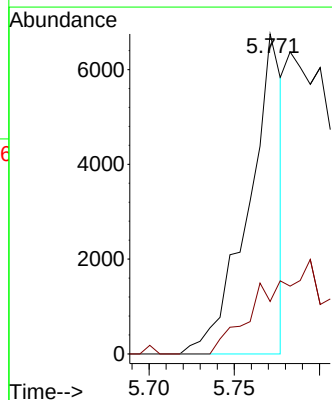
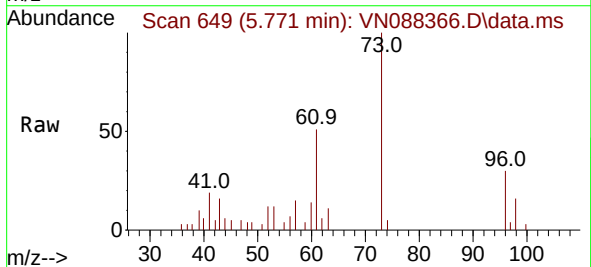
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT4-2025

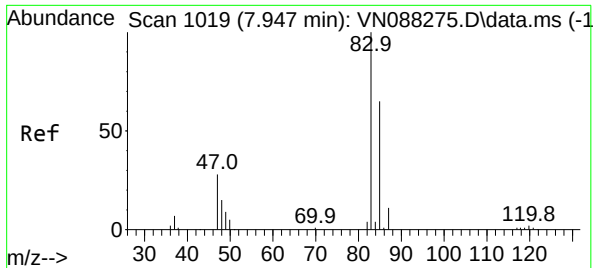
Tgt Ion: 59 Resp: 2077
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0



#24
Methyl tert-Butyl Ether
Concen: 0.840 ug/l
RT: 5.771 min Scan# 649
Delta R.T. -0.018 min
Lab File: VN088366.D
Acq: 26 Nov 2025 11:09

Tgt Ion: 73 Resp: 9244
Ion Ratio Lower Upper
73 100
43 7.9 18.5 27.7#

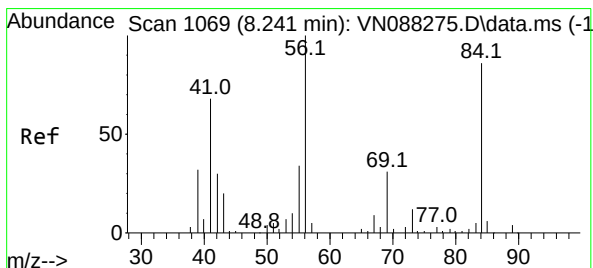
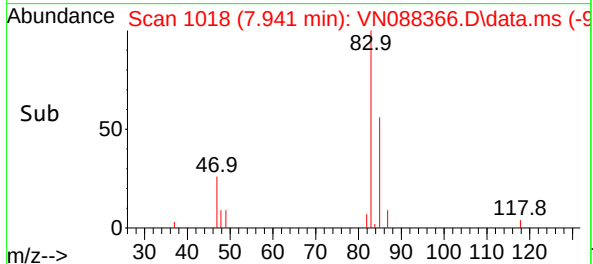
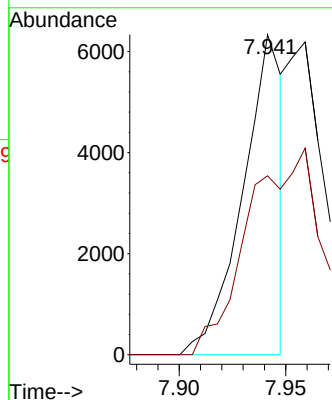
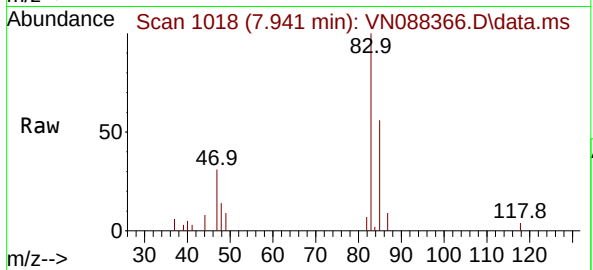




#25
Chloroform
Concen: 1.301 ug/l
RT: 7.941 min Scan# 1018
Delta R.T. -0.006 min
Lab File: VN088366.D
Acq: 26 Nov 2025 11:09

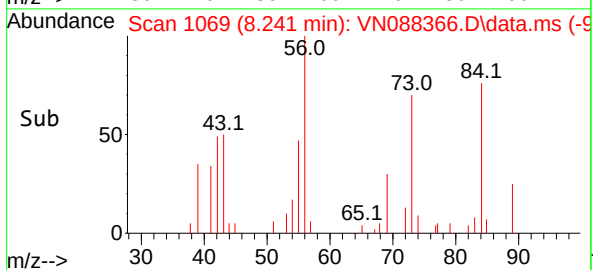
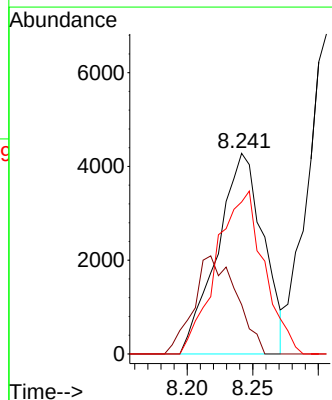
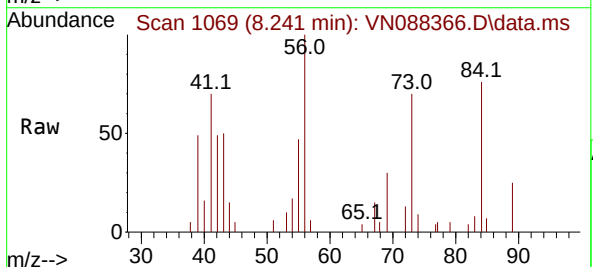
Instrument : MSVOA_N
ClientSampleId : MDL-WATER-03-QT4-2025

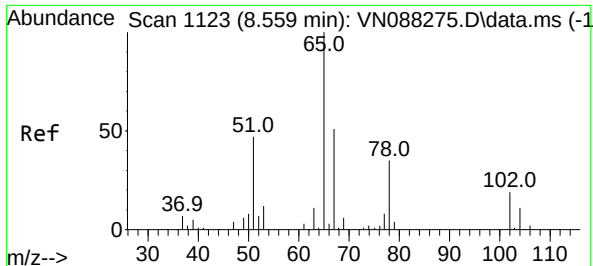
Tgt Ion: 83 Resp: 8233
Ion Ratio Lower Upper
83 100
85 55.9 52.2 78.4



#26
Cyclohexane
Concen: 1.938 ug/l
RT: 8.241 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VN088366.D
Acq: 26 Nov 2025 11:09

Tgt Ion: 56 Resp: 10454
Ion Ratio Lower Upper
56 100
89 45.3 7.3 10.9#
84 84.0 67.8 101.8





#27

1,2-Dichloroethane-d4

Concen: 29.570 ug/l

RT: 8.565 min Scan# 1124

Delta R.T. 0.006 min

Lab File: VN088366.D

Acq: 26 Nov 2025 11:09

Instrument :

MSVOA_N

ClientSampleId :

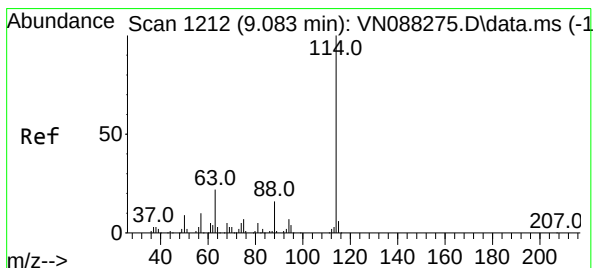
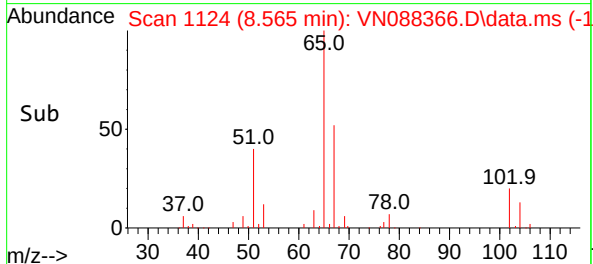
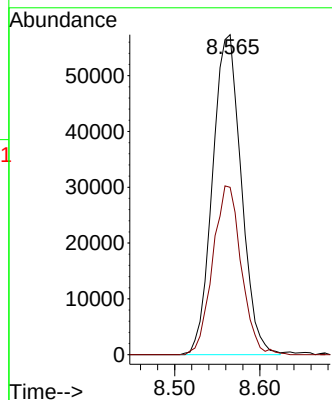
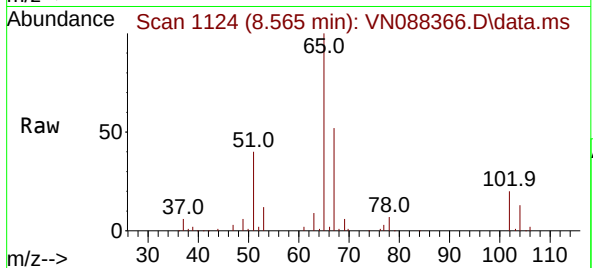
MDL-WATER-03-QT4-2025

Tgt Ion: 65 Resp: 134113

Ion Ratio Lower Upper

65 100

67 52.0 40.2 60.2



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 9.083 min Scan# 1212

Delta R.T. 0.000 min

Lab File: VN088366.D

Acq: 26 Nov 2025 11:09

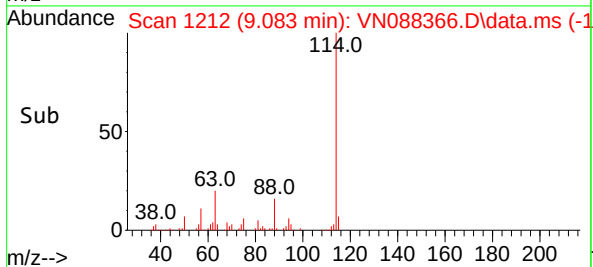
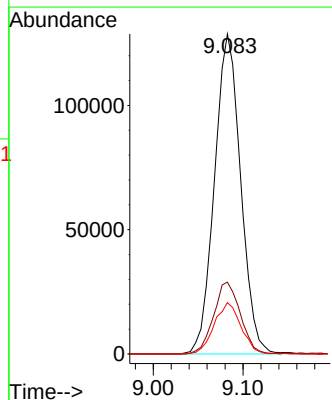
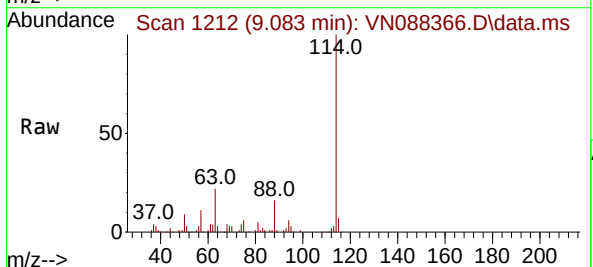
Tgt Ion: 114 Resp: 260835

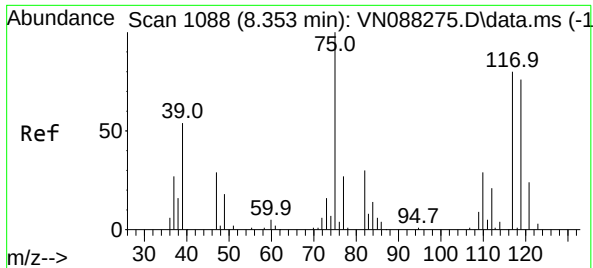
Ion Ratio Lower Upper

114 100

63 22.9 18.9 28.3

88 16.4 12.8 19.2

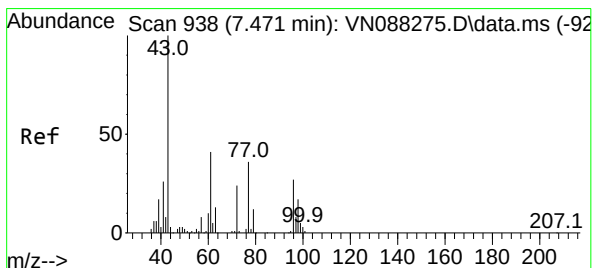
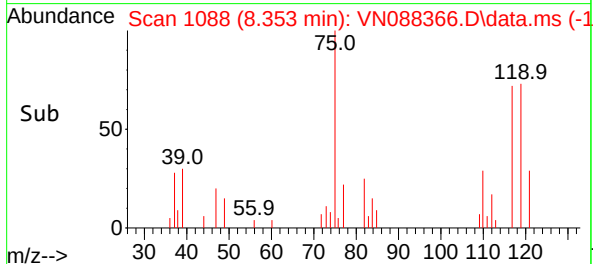
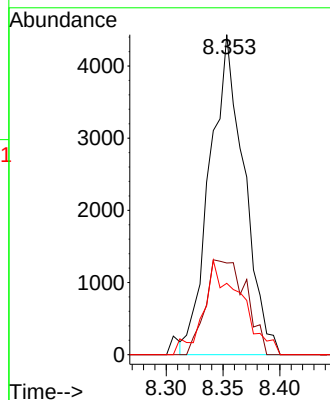
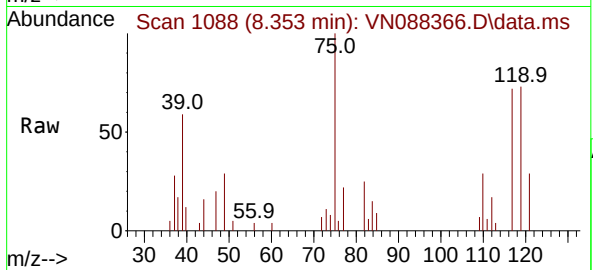




#29
1,1-Dichloropropene
Concen: 2.142 ug/l
RT: 8.353 min Scan# 1088
Delta R.T. 0.000 min
Lab File: VN088366.D
Acq: 26 Nov 2025 11:09

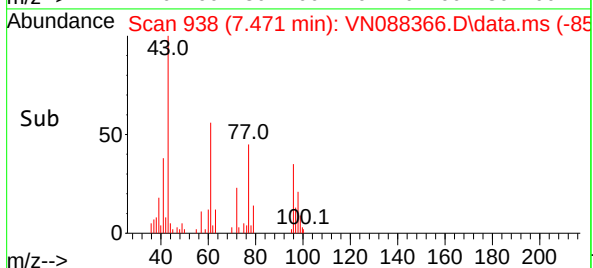
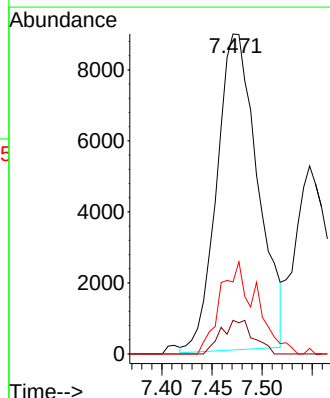
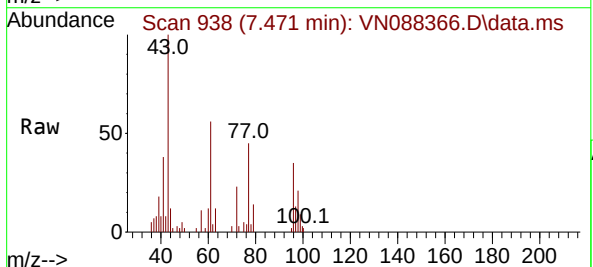
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT4-2025

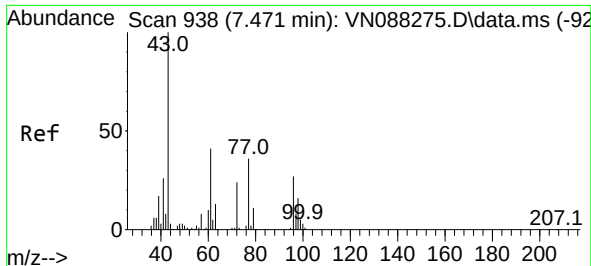
Tgt Ion:	75	Resp:	9321
Ion	Ratio	Lower	Upper
75	100		
110	19.9	0.0	65.6
77	10.4	0.0	60.8



#30
2-Butanone
Concen: 9.002 ug/l
RT: 7.471 min Scan# 938
Delta R.T. 0.000 min
Lab File: VN088366.D
Acq: 26 Nov 2025 11:09

Tgt Ion:	43	Resp:	25344
Ion	Ratio	Lower	Upper
43	100		
57	8.4	6.2	9.4
72	7.7	19.4	29.2#

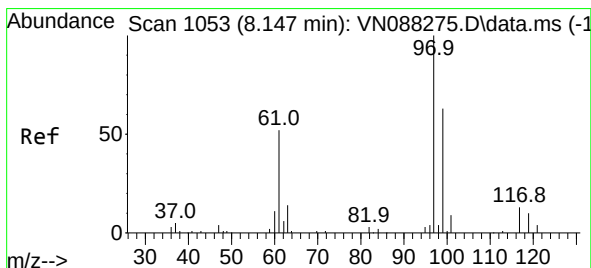
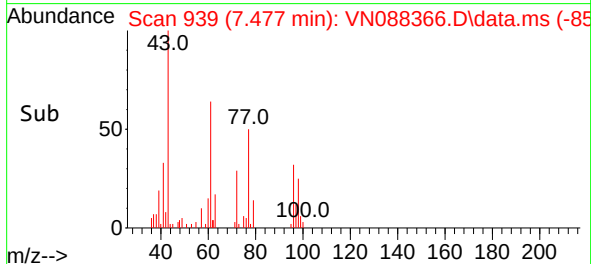
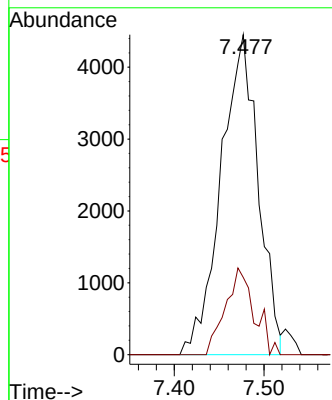
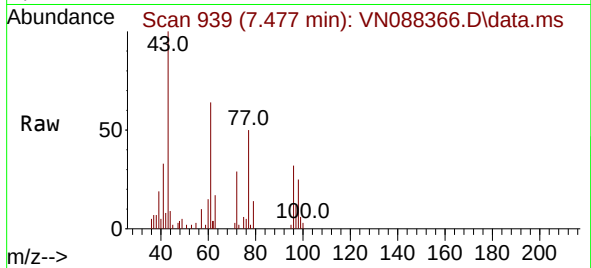




#31
2,2-Dichloropropane
Concen: 2.390 ug/l
RT: 7.477 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN088366.D
Acq: 26 Nov 2025 11:09

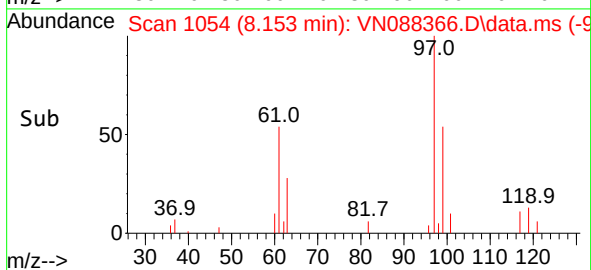
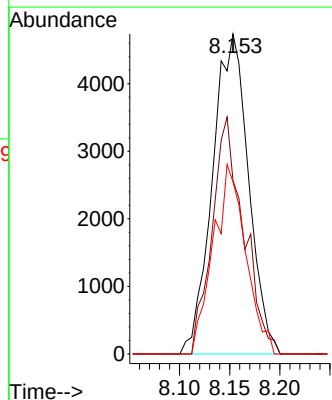
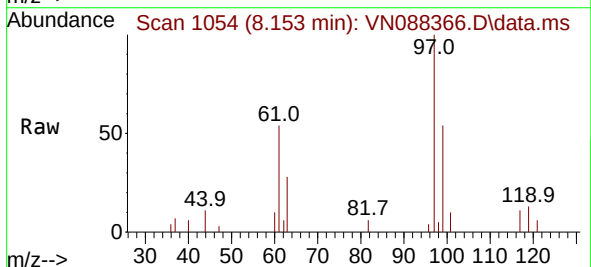
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT4-2025

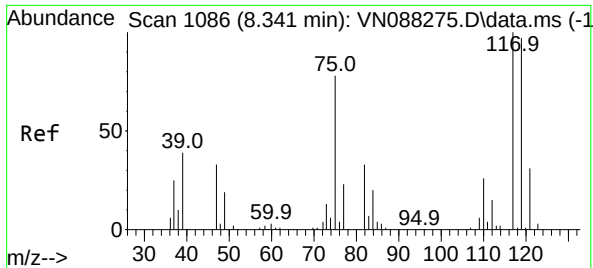
Tgt Ion: 77 Resp: 12830
Ion Ratio Lower Upper
77 100
97 18.7 16.8 25.2



#32
1,1,1-Trichloroethane
Concen: 2.203 ug/l
RT: 8.153 min Scan# 1054
Delta R.T. 0.006 min
Lab File: VN088366.D
Acq: 26 Nov 2025 11:09

Tgt Ion: 97 Resp: 11818
Ion Ratio Lower Upper
97 100
99 65.1 50.2 75.4
61 53.1 39.8 59.8

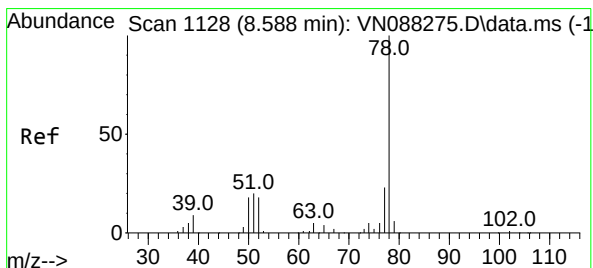
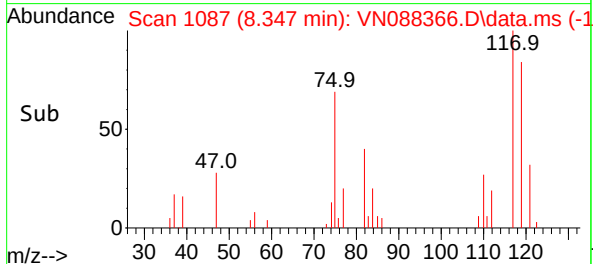
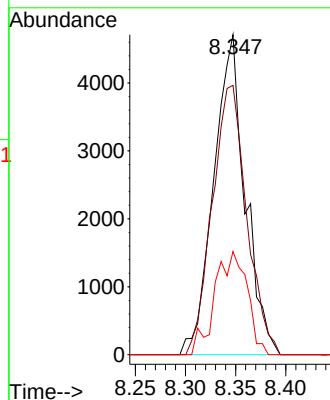
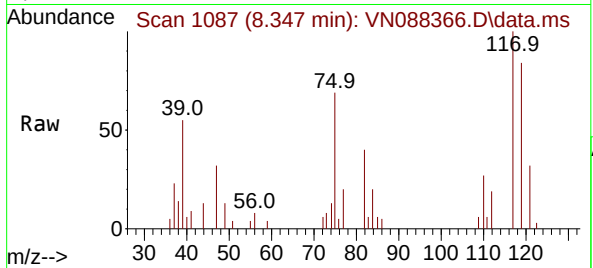




#33
Carbon Tetrachloride
Concen: 2.240 ug/l
RT: 8.347 min Scan# 1107
Delta R.T. 0.006 min
Lab File: VN088366.D
Acq: 26 Nov 2025 11:09

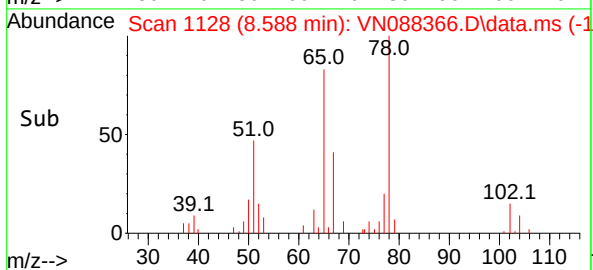
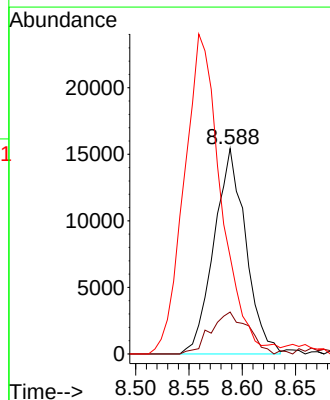
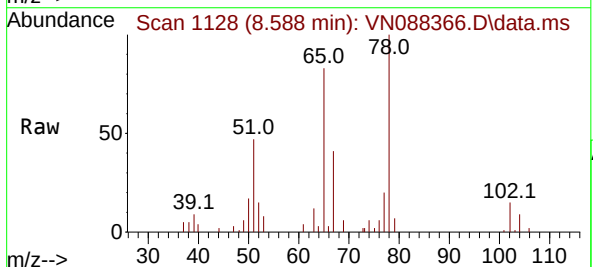
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT4-2025

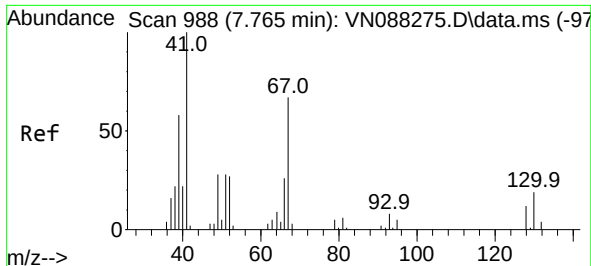
Tgt Ion:117 Resp: 10261
Ion Ratio Lower Upper
117 100
119 84.2 77.8 116.8
121 32.3 24.5 36.7



#34
Benzene
Concen: 2.460 ug/l
RT: 8.588 min Scan# 1128
Delta R.T. 0.000 min
Lab File: VN088366.D
Acq: 26 Nov 2025 11:09

Tgt Ion: 78 Resp: 32004
Ion Ratio Lower Upper
78 100
77 20.4 18.6 27.8
51 44.4 15.8 23.8#

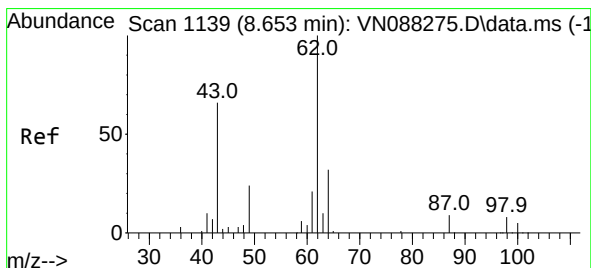
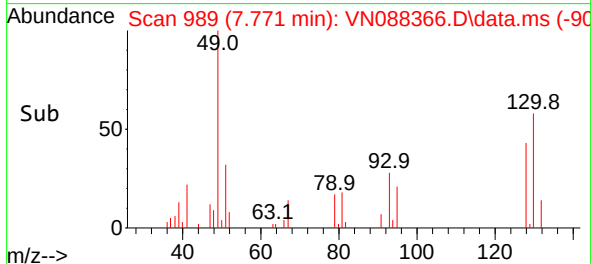
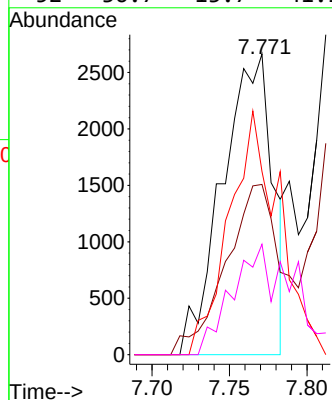
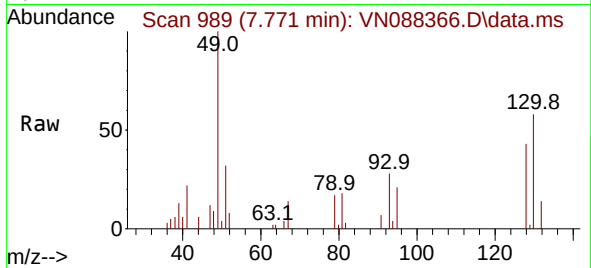




#35
Methacrylonitrile
Concen: 2.051 ug/l
RT: 7.771 min Scan# 911
Delta R.T. 0.006 min
Lab File: VN088366.D
Acq: 26 Nov 2025 11:09

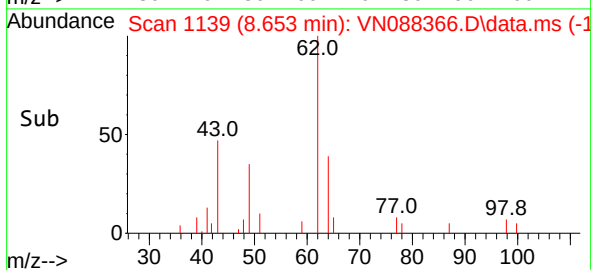
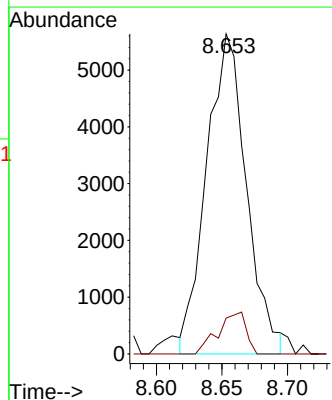
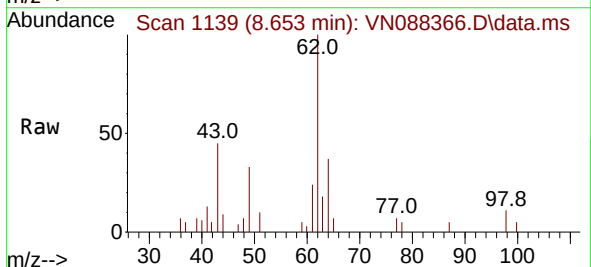
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT4-2025

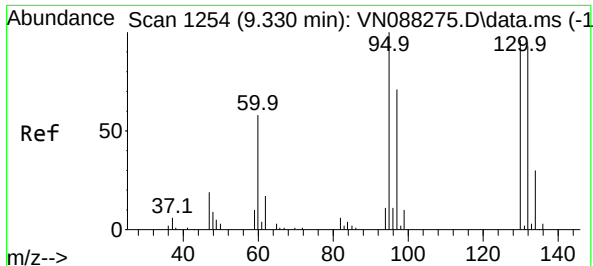
Tgt Ion: 41	Resp: 6022
Ion Ratio	Lower Upper
41 100	
39 50.3	29.0 87.0
67 61.0	33.3 99.9
52 36.7	13.7 41.1



#36
1,2-Dichloroethane
Concen: 2.350 ug/l
RT: 8.653 min Scan# 1139
Delta R.T. 0.000 min
Lab File: VN088366.D
Acq: 26 Nov 2025 11:09

Tgt Ion: 62	Resp: 11898
Ion Ratio	Lower Upper
62 100	
98 9.2	6.8 10.2





#37

Trichloroethene

Concen: 2.625 ug/l

RT: 9.336 min Scan# 11

Delta R.T. 0.006 min

Lab File: VN088366.D

Acq: 26 Nov 2025 11:09

Instrument :

MSVOA_N

ClientSampleId :

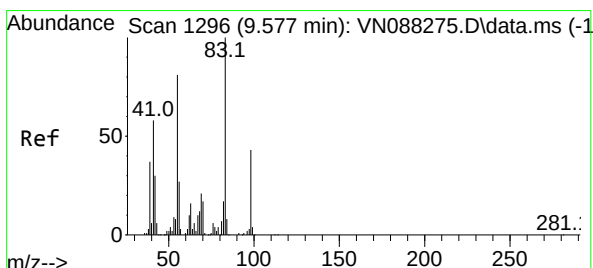
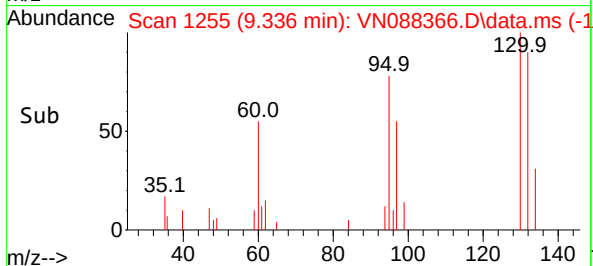
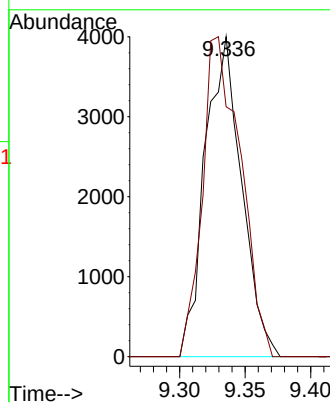
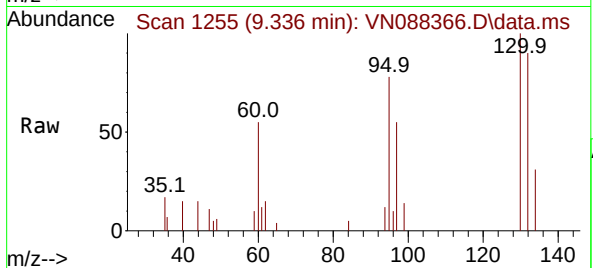
MDL-WATER-03-QT4-2025

Tgt Ion:130 Resp: 7738

Ion Ratio Lower Upper

130 100

95 78.1 83.7 125.5#



#38

Methylcyclohexane

Concen: 1.956 ug/l

RT: 9.583 min Scan# 1297

Delta R.T. 0.006 min

Lab File: VN088366.D

Acq: 26 Nov 2025 11:09

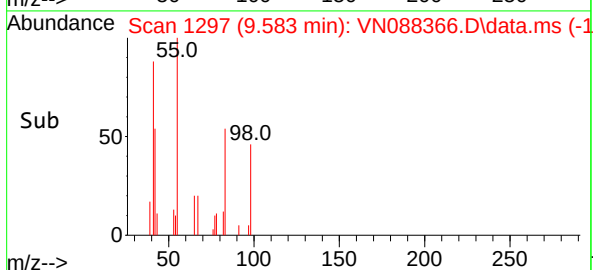
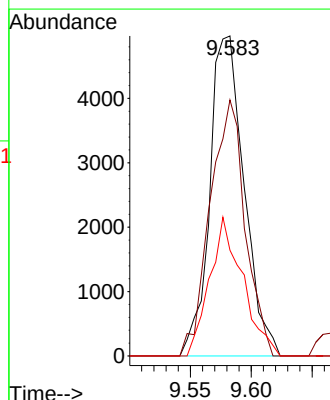
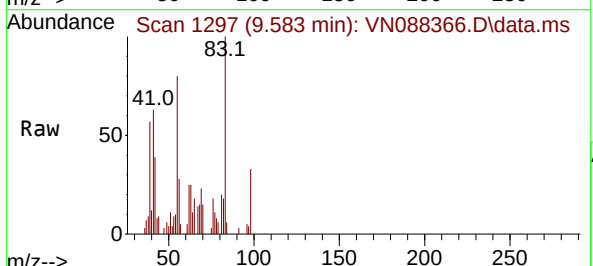
Tgt Ion: 83 Resp: 9758

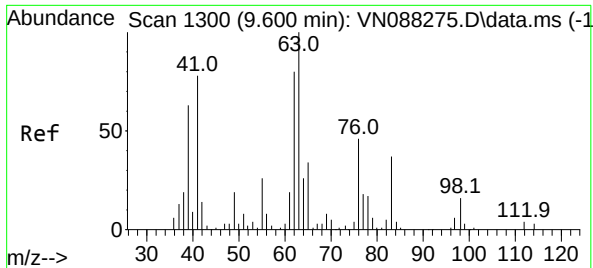
Ion Ratio Lower Upper

83 100

55 81.7 40.8 122.5

98 41.7 23.4 70.3

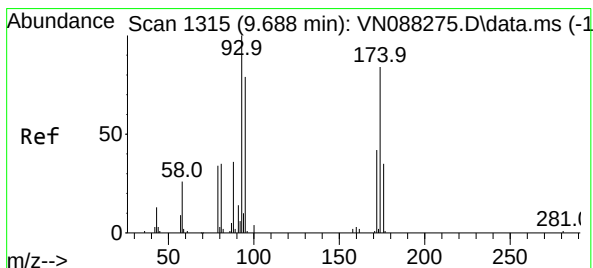
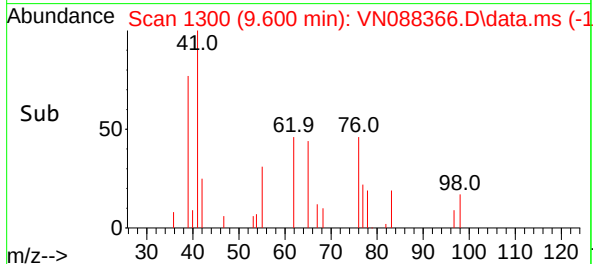
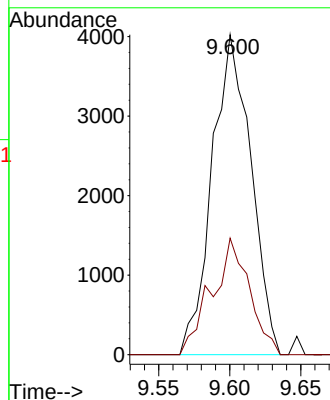
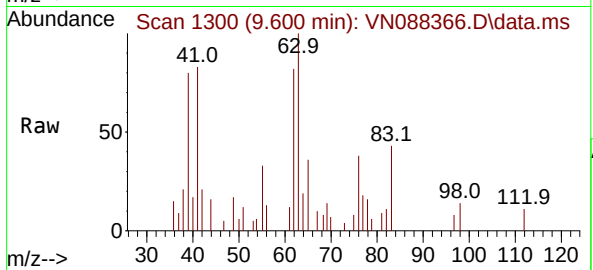




#39
1,2-Dichloropropane
Concen: 2.283 ug/l
RT: 9.600 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN088366.D
Acq: 26 Nov 2025 11:09

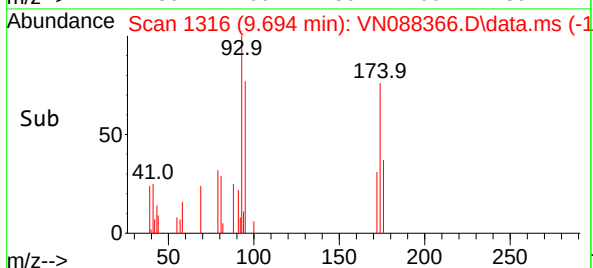
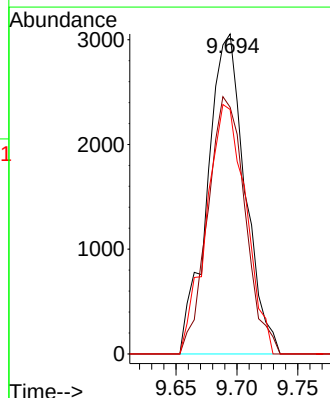
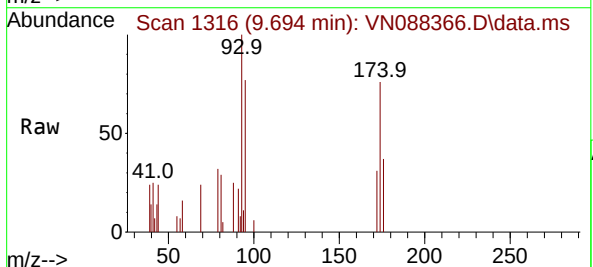
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT4-2025

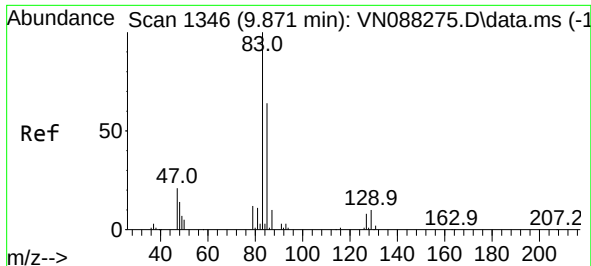
Tgt Ion: 63 Resp: 7662
Ion Ratio Lower Upper
63 100
65 36.4 27.8 41.6



#40
Dibromomethane
Concen: 2.721 ug/l
RT: 9.694 min Scan# 1316
Delta R.T. 0.006 min
Lab File: VN088366.D
Acq: 26 Nov 2025 11:09

Tgt Ion: 93 Resp: 6561
Ion Ratio Lower Upper
93 100
95 79.8 0.0 161.6
174 81.7 0.0 158.2

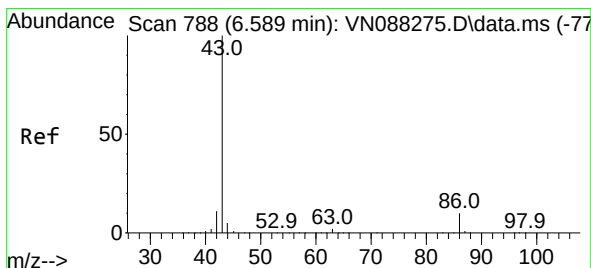
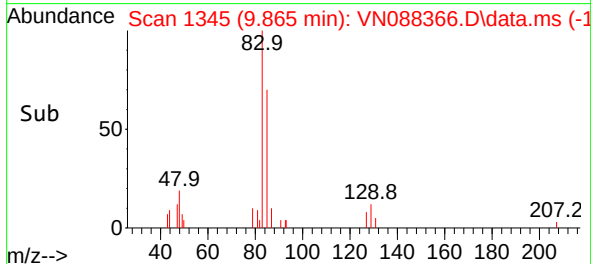
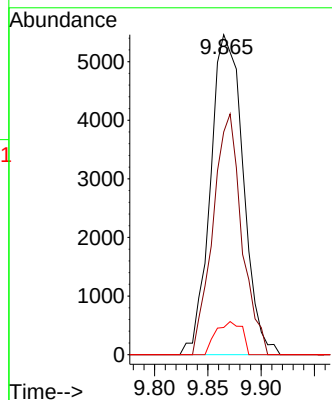
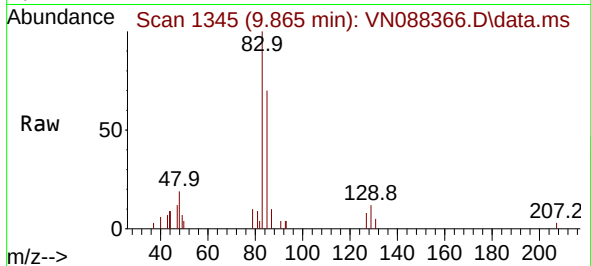




#41
Bromodichloromethane
Concen: 2.409 ug/l
RT: 9.865 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN088366.D
Acq: 26 Nov 2025 11:09

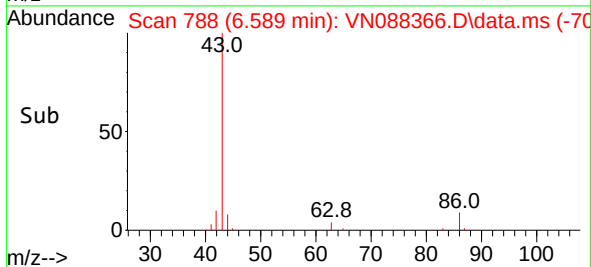
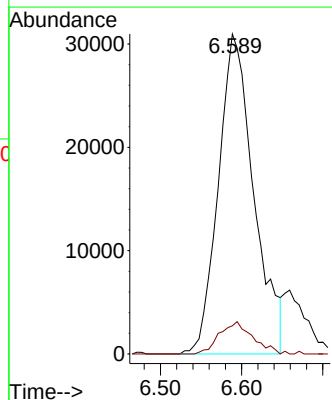
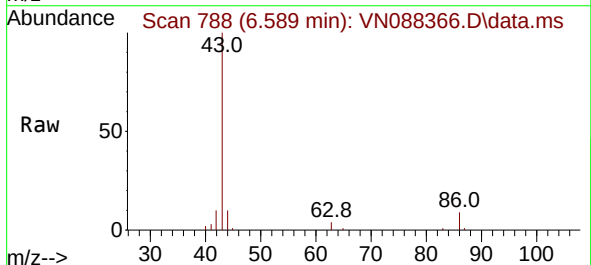
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT4-2025

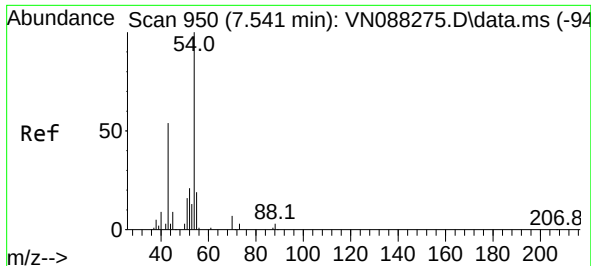
Tgt Ion: 83 Resp: 11692
Ion Ratio Lower Upper
83 100
85 69.6 51.4 77.2
127 8.5 6.4 9.6



#42
Vinyl Acetate
Concen: 10.010 ug/l
RT: 6.589 min Scan# 788
Delta R.T. 0.000 min
Lab File: VN088366.D
Acq: 26 Nov 2025 11:09

Tgt Ion: 43 Resp: 94054
Ion Ratio Lower Upper
43 100
86 9.4 7.4 11.2





#43

Ethyl Acetate

Concen: 2.002 ug/l

RT: 7.547 min Scan# 91

Delta R.T. 0.006 min

Lab File: VN088366.D

Acq: 26 Nov 2025 11:09

Instrument :

MSVOA_N

ClientSampleId :

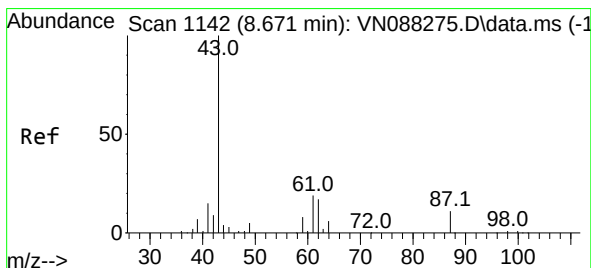
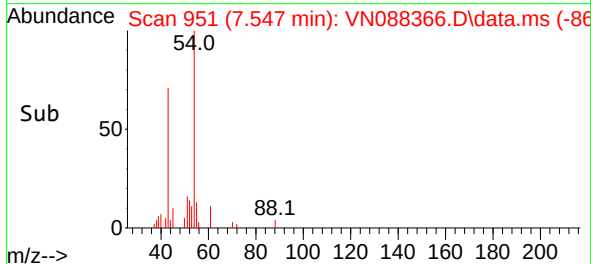
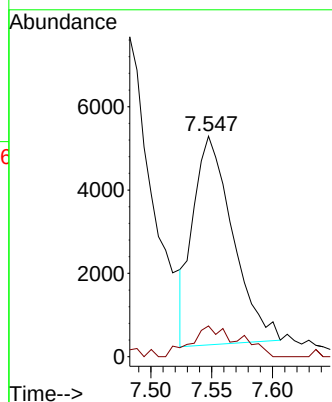
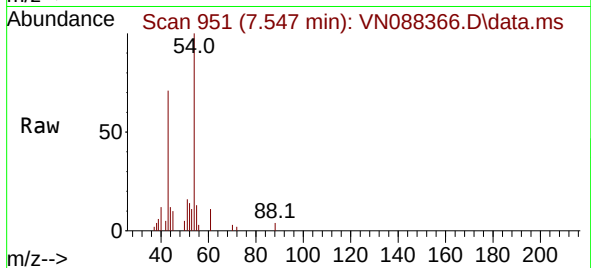
MDL-WATER-03-QT4-2025

Tgt Ion: 43 Resp: 11341

Ion Ratio Lower Upper

43 100

45 12.5 9.9 14.9



#44

Isopropyl Acetate

Concen: 2.366 ug/l

RT: 8.671 min Scan# 1142

Delta R.T. 0.000 min

Lab File: VN088366.D

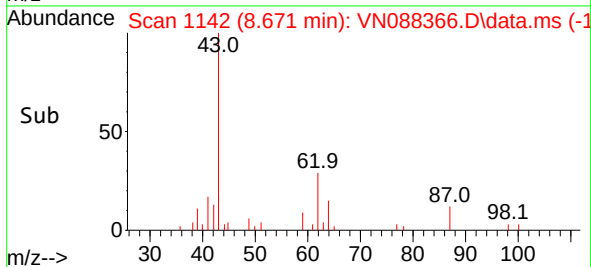
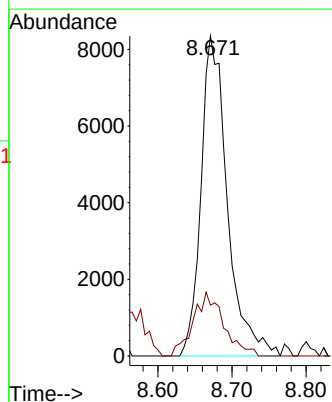
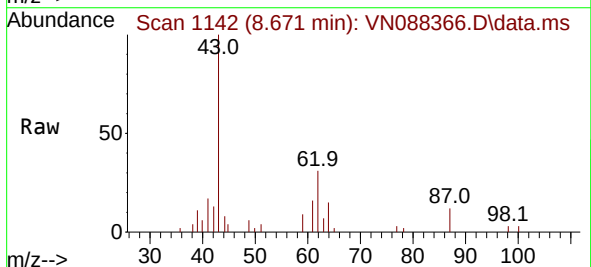
Acq: 26 Nov 2025 11:09

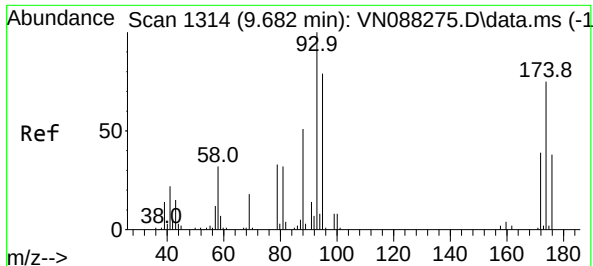
Tgt Ion: 43 Resp: 20651

Ion Ratio Lower Upper

43 100

61 13.5 19.0 28.6#

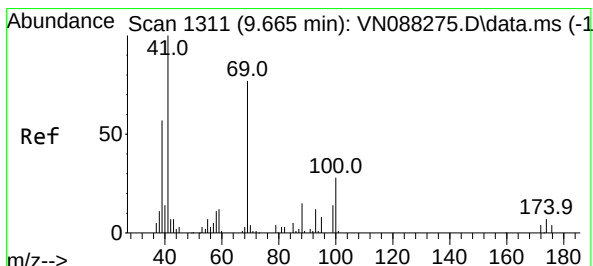
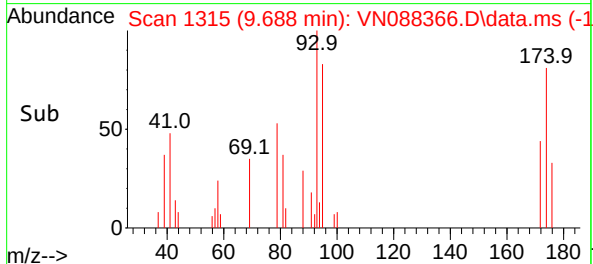
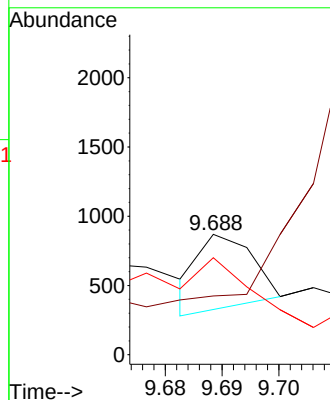
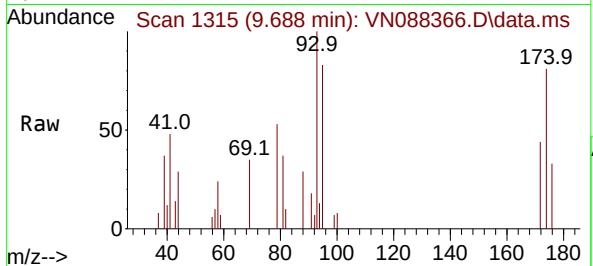




#45
1,4-Dioxane
Concen: 6.810 ug/l
RT: 9.688 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN088366.D
Acq: 26 Nov 2025 11:09

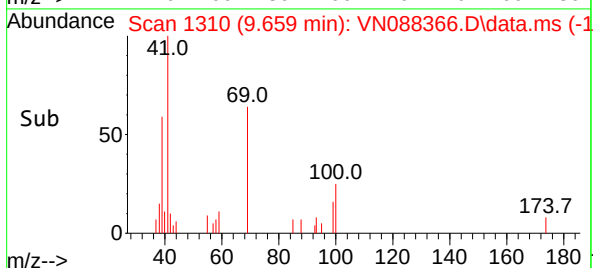
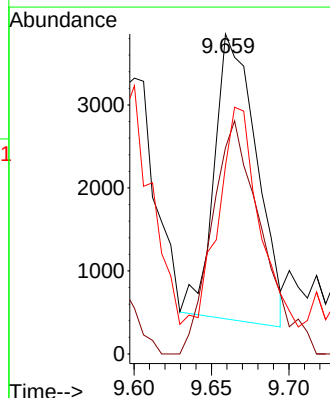
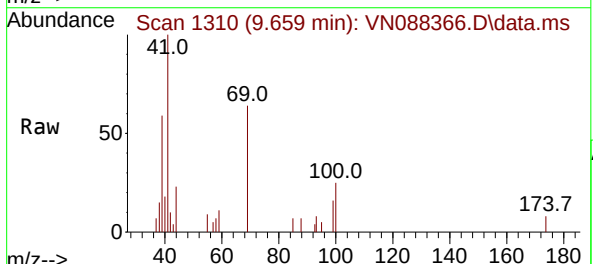
Instrument :
MSVOA_N
ClientSampleId :
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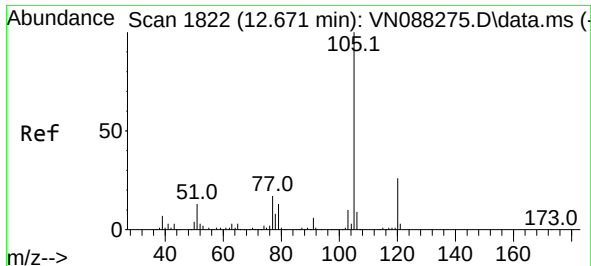
Tgt Ion: 88 Resp: 358
Ion Ratio Lower Upper
88 100
43 0.0 27.8 41.8#
58 168.7 59.5 89.3#



#46
Methyl methacrylate
Concen: 1.596 ug/l
RT: 9.659 min Scan# 1310
Delta R.T. -0.006 min
Lab File: VN088366.D
Acq: 26 Nov 2025 11:09

Tgt Ion: 41 Resp: 6520
Ion Ratio Lower Upper
41 100
69 74.1 38.5 115.3
39 57.0 29.0 87.1

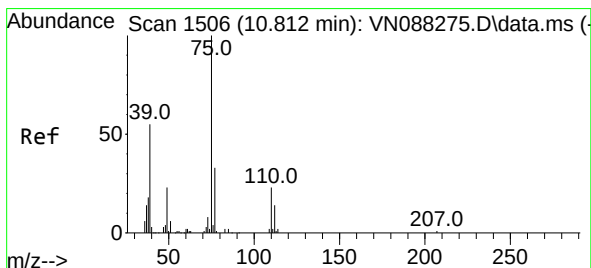
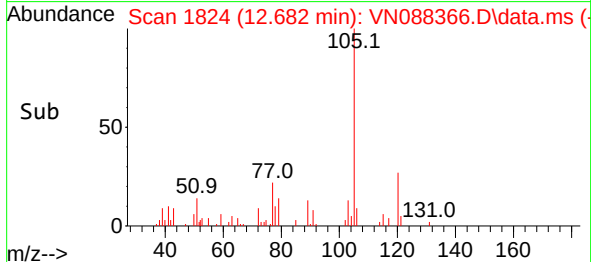
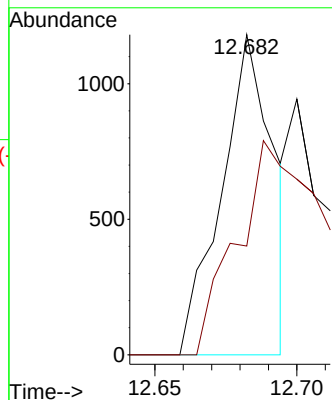
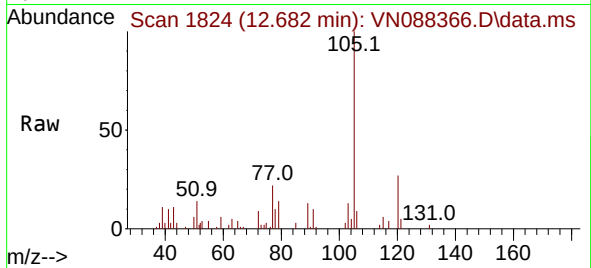




#47
n-amyl acetate
Concen: 0.339 ug/l
RT: 12.682 min Scan# 11
Delta R.T. 0.012 min
Lab File: VN088366.D
Acq: 26 Nov 2025 11:09

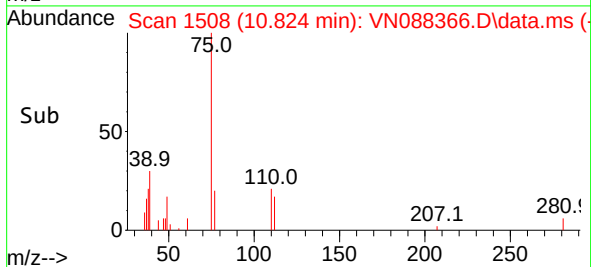
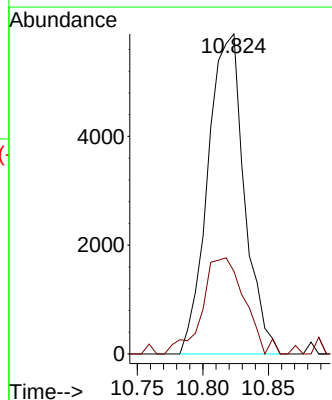
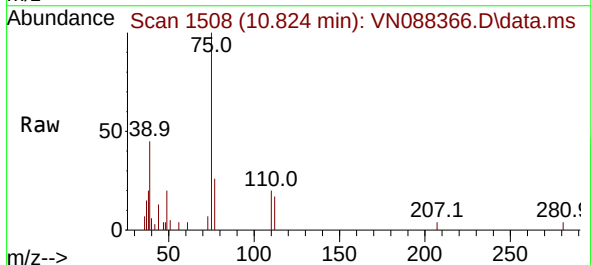
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT4-2025

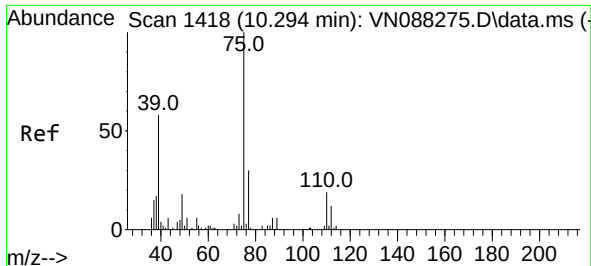
Tgt Ion: 43 Resp: 1500
Ion Ratio Lower Upper
43 100
55 105.3 0.0 0.0#



#48
t-1,3-Dichloropropene
Concen: 2.195 ug/l
RT: 10.824 min Scan# 1508
Delta R.T. 0.012 min
Lab File: VN088366.D
Acq: 26 Nov 2025 11:09

Tgt Ion: 75 Resp: 11395
Ion Ratio Lower Upper
75 100
77 25.8 26.1 39.1#

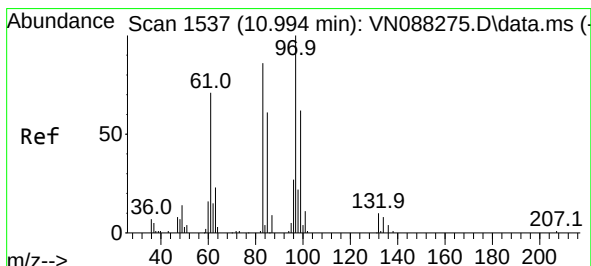
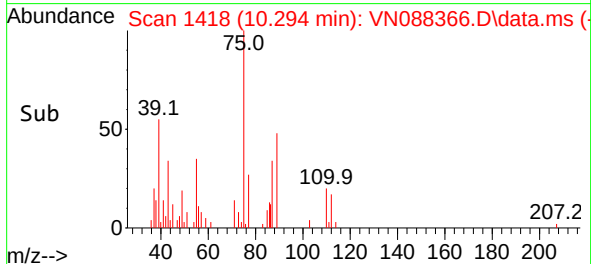
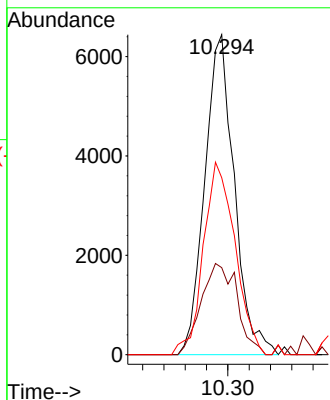
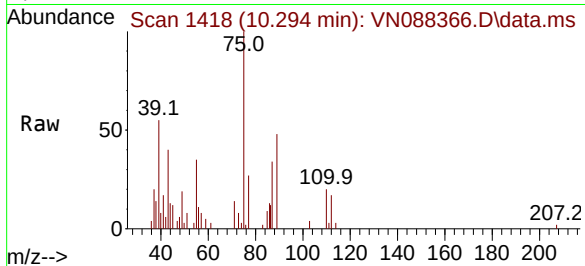




#49
 cis-1,3-Dichloropropene
 Concen: 2.300 ug/l
 RT: 10.294 min Scan# 1418
 Delta R.T. 0.000 min
 Lab File: VN088366.D
 Acq: 26 Nov 2025 11:09

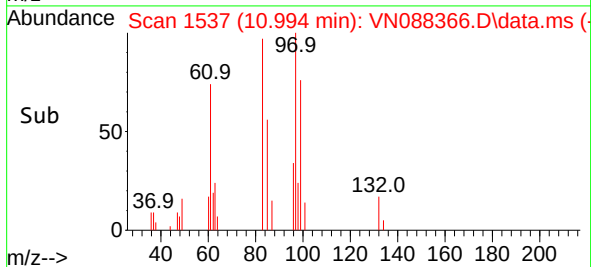
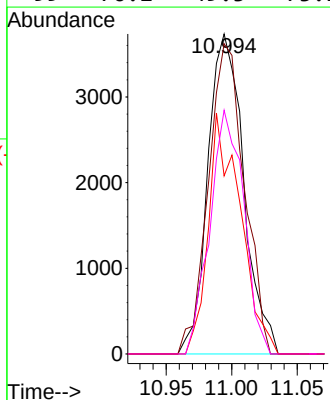
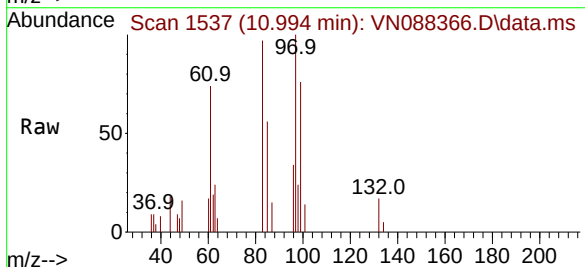
Instrument :
 MSVOA_N
 ClientSampleId :
 MDL-WATER-03-QT4-2025

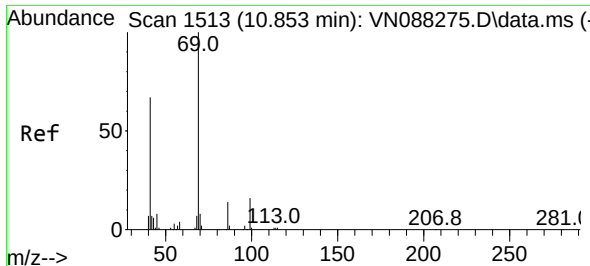
Tgt Ion:	75	Resp:	12425
Ion	Ratio	Lower	Upper
75	100		
77	27.2	24.4	36.6
39	52.2	46.1	69.1



#50
 1,1,2-Trichloroethane
 Concen: 2.376 ug/l
 RT: 10.994 min Scan# 1537
 Delta R.T. 0.000 min
 Lab File: VN088366.D
 Acq: 26 Nov 2025 11:09

Tgt Ion:	97	Resp:	7085
Ion	Ratio	Lower	Upper
97	100		
83	97.0	68.6	102.8
85	55.7	49.0	73.6
99	76.2	49.3	73.9

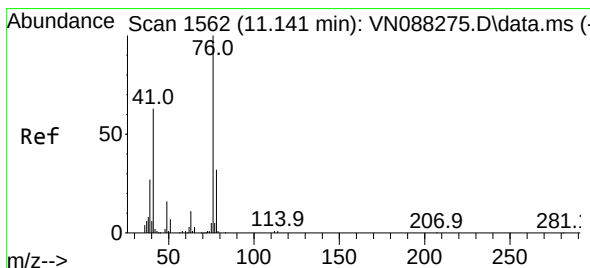
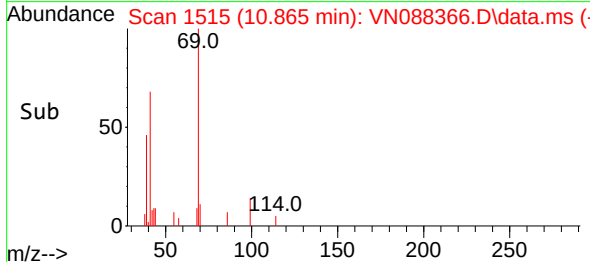
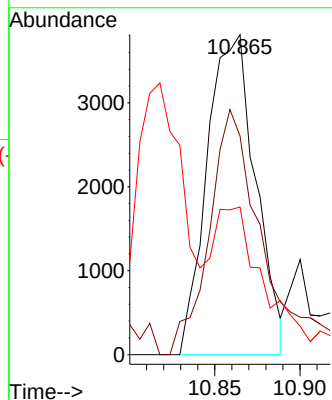
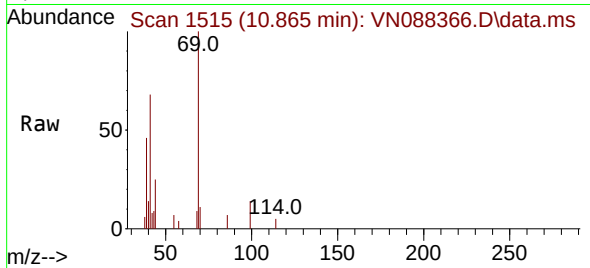




#51
Ethyl methacrylate
Concen: 1.535 ug/l
RT: 10.865 min Scan# 1515
Delta R.T. 0.012 min
Lab File: VN088366.D
Acq: 26 Nov 2025 11:09

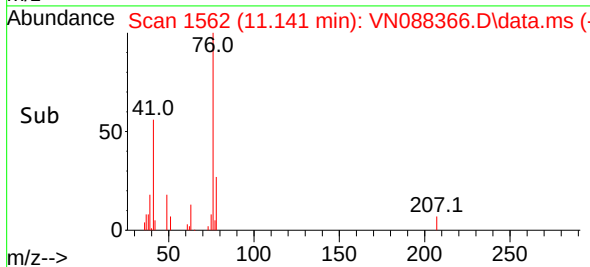
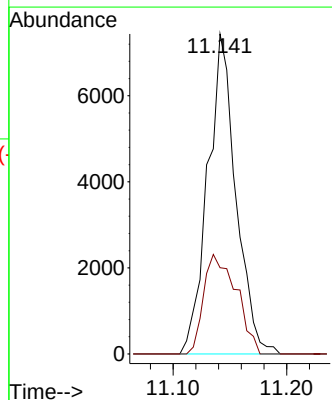
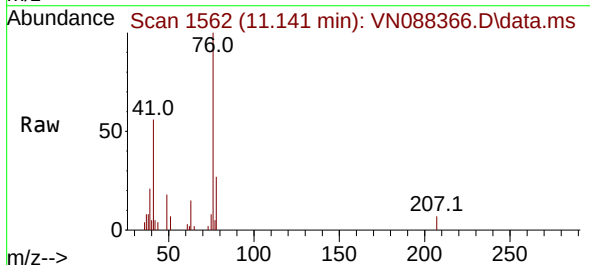
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT4-2025

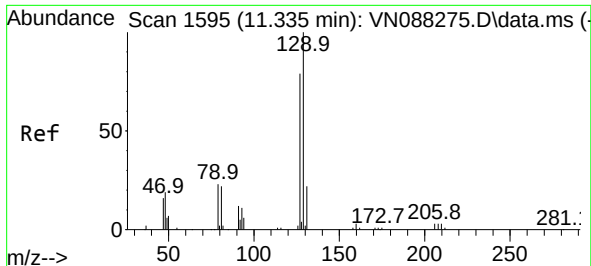
Tgt Ion: 69 Resp: 7531
Ion Ratio Lower Upper
69 100
41 57.9 33.6 100.8
39 29.2 23.4 70.2



#52
1,3-Dichloropropane
Concen: 2.364 ug/l
RT: 11.141 min Scan# 1562
Delta R.T. 0.000 min
Lab File: VN088366.D
Acq: 26 Nov 2025 11:09

Tgt Ion: 76 Resp: 12837
Ion Ratio Lower Upper
76 100
78 36.0 0.0 64.2

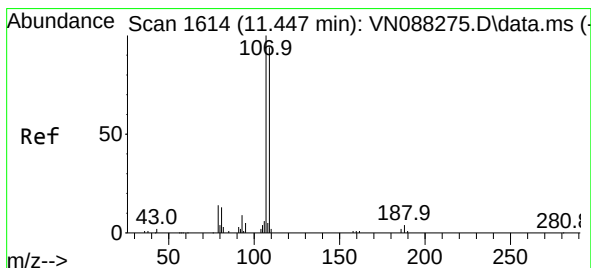
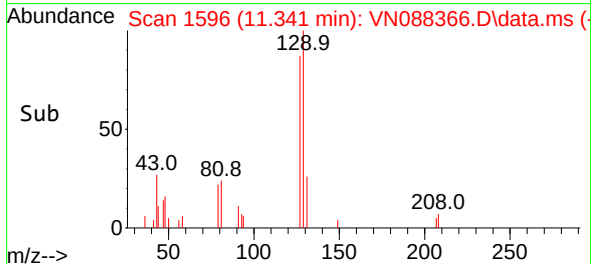
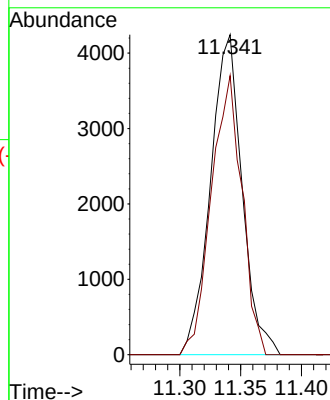
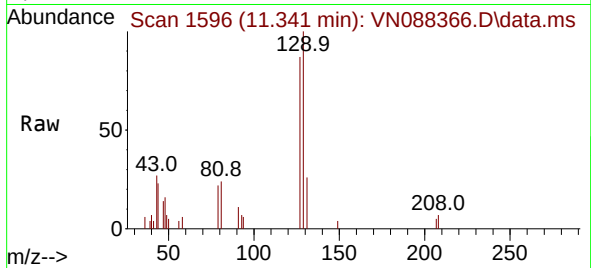




#53
Dibromochloromethane
Concen: 2.241 ug/l
RT: 11.341 min Scan# 1596
Delta R.T. 0.006 min
Lab File: VN088366.D
Acq: 26 Nov 2025 11:09

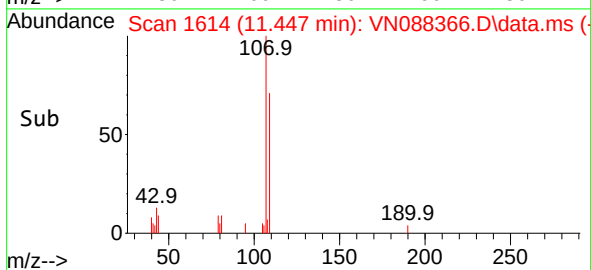
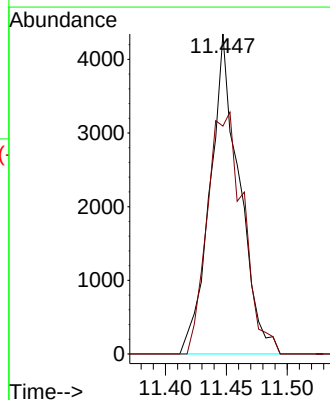
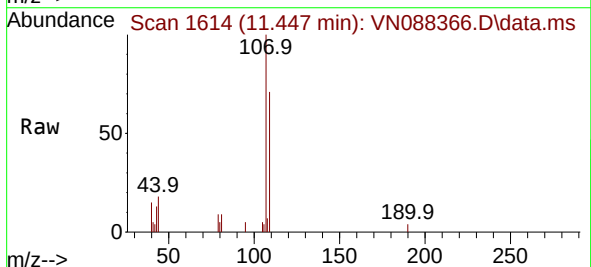
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT4-2025

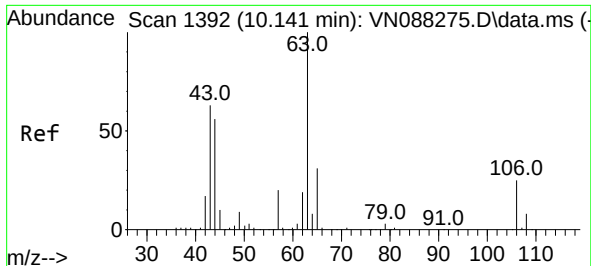
Tgt Ion:129 Resp: 7675
Ion Ratio Lower Upper
129 100
127 84.5 38.2 114.6



#54
1,2-Dibromoethane
Concen: 2.350 ug/l
RT: 11.447 min Scan# 1614
Delta R.T. 0.000 min
Lab File: VN088366.D
Acq: 26 Nov 2025 11:09

Tgt Ion:107 Resp: 7280
Ion Ratio Lower Upper
107 100
109 92.0 76.6 115.0

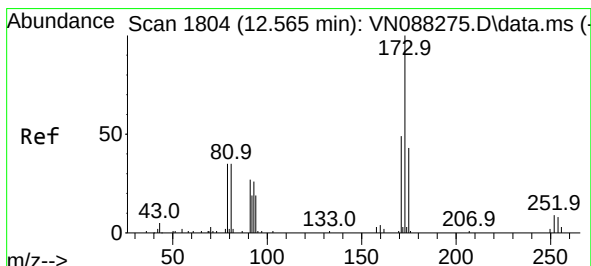
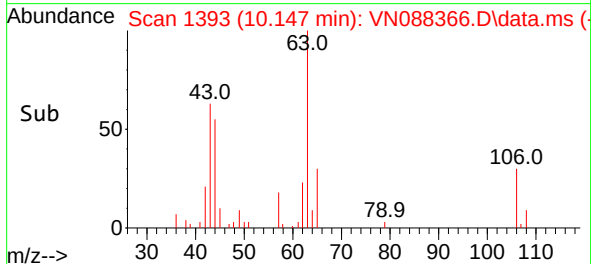
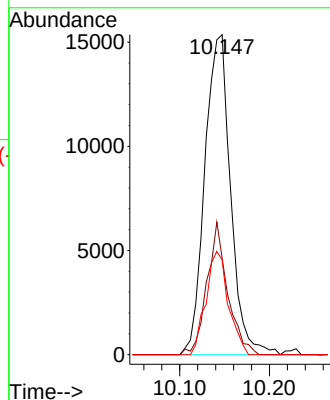
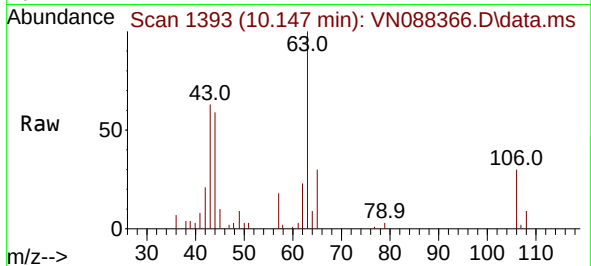




#55
2-Chloroethyl vinyl ether
Concen: 10.851 ug/l
RT: 10.147 min Scan# 1392
Delta R.T. 0.006 min
Lab File: VN088366.D
Acq: 26 Nov 2025 11:09

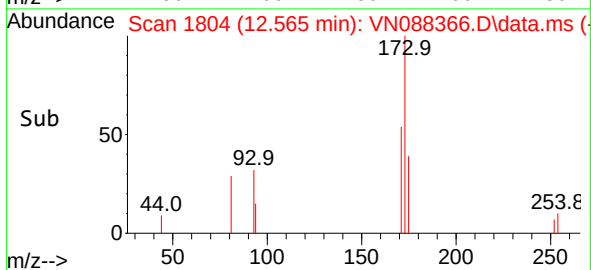
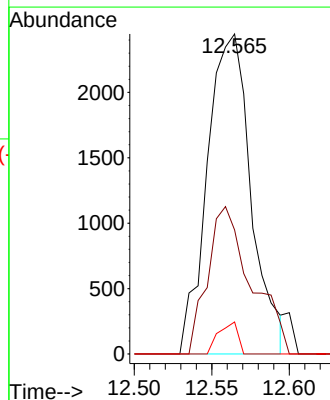
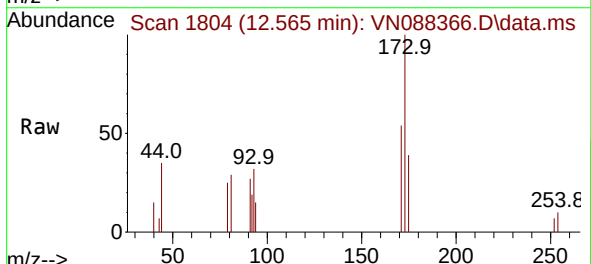
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT4-2025

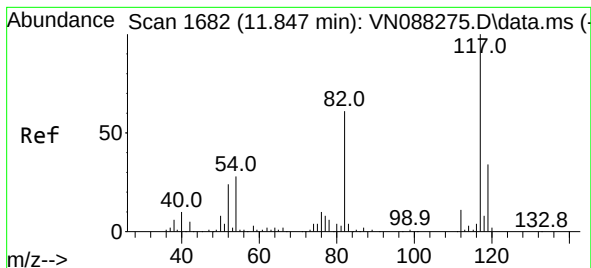
Tgt Ion: 63 Resp: 30665
Ion Ratio Lower Upper
63 100
65 33.4 24.9 37.3
106 28.1 20.3 30.5



#56
Bromoform
Concen: 2.221 ug/l
RT: 12.565 min Scan# 1804
Delta R.T. 0.000 min
Lab File: VN088366.D
Acq: 26 Nov 2025 11:09

Tgt Ion: 173 Resp: 4815
Ion Ratio Lower Upper
173 100
175 40.9 37.7 56.5
254 4.4 5.9 8.9#





#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 11.847 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN088366.D

Acq: 26 Nov 2025 11:09

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT4-2025

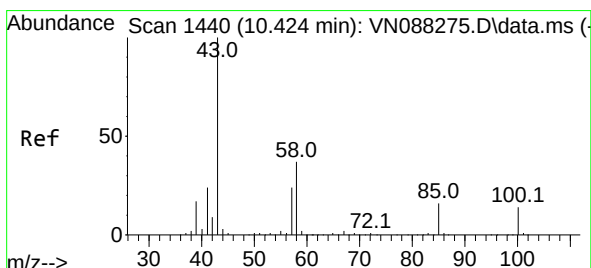
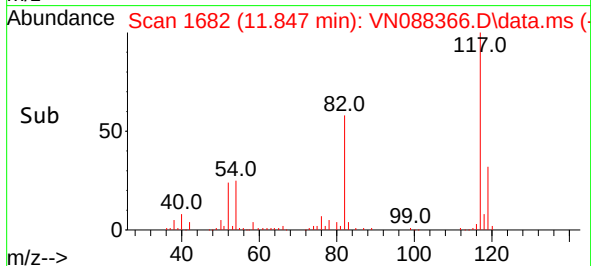
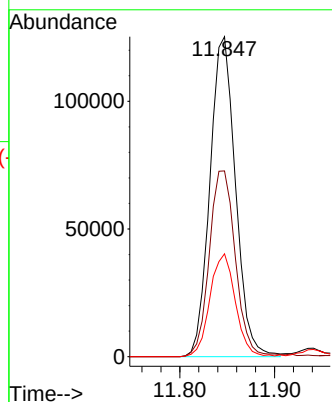
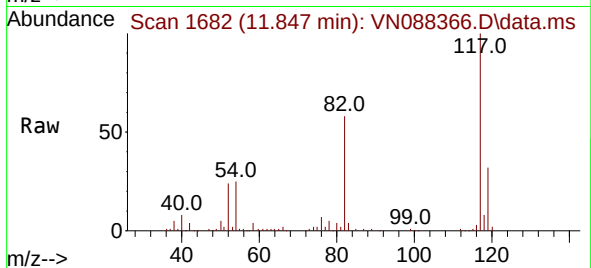
Tgt Ion:117 Resp: 235255

Ion Ratio Lower Upper

117 100

82 59.3 49.3 73.9

119 32.0 26.4 39.6



#58

4-Methyl-2-Pentanone

Concen: 11.426 ug/l

RT: 10.424 min Scan# 1440

Delta R.T. 0.000 min

Lab File: VN088366.D

Acq: 26 Nov 2025 11:09

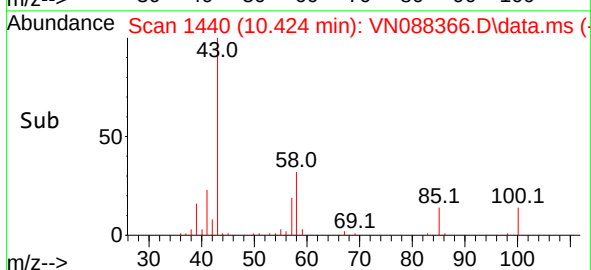
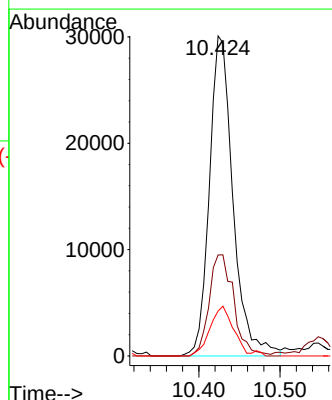
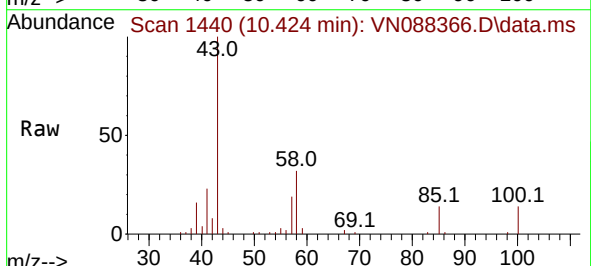
Tgt Ion: 43 Resp: 60798

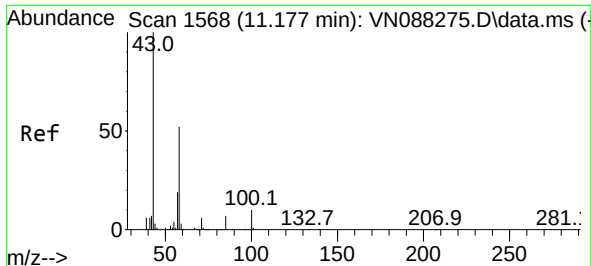
Ion Ratio Lower Upper

43 100

58 32.9 29.2 43.8

85 15.3 12.6 19.0

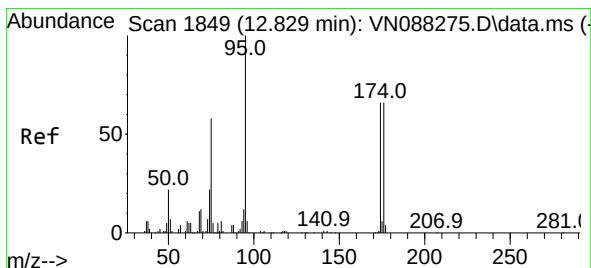
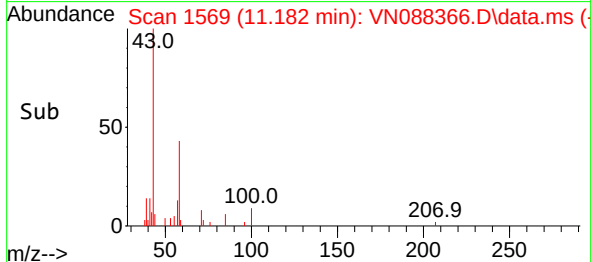
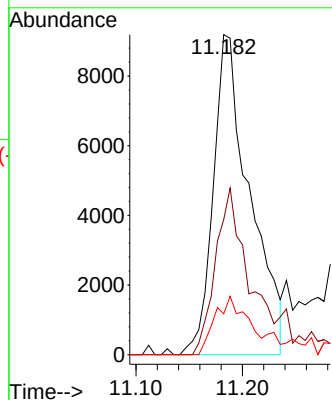
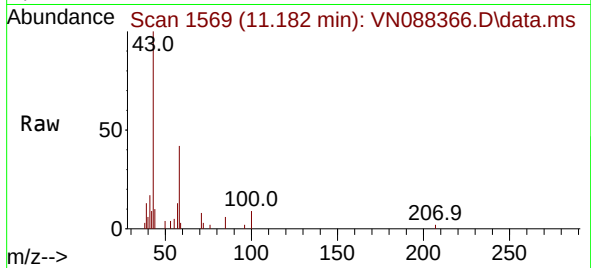




#59
2-Hexanone
Concen: 6.188 ug/l
RT: 11.182 min Scan# 1569
Delta R.T. 0.006 min
Lab File: VN088366.D
Acq: 26 Nov 2025 11:09

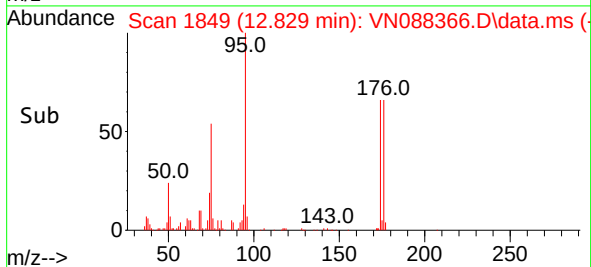
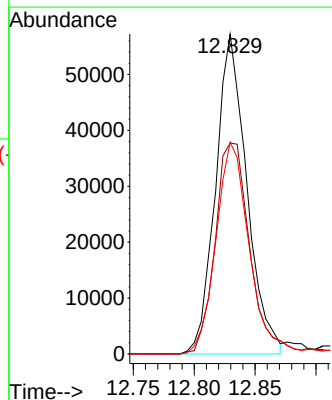
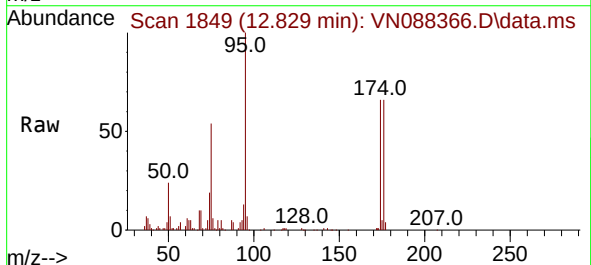
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT4-2025

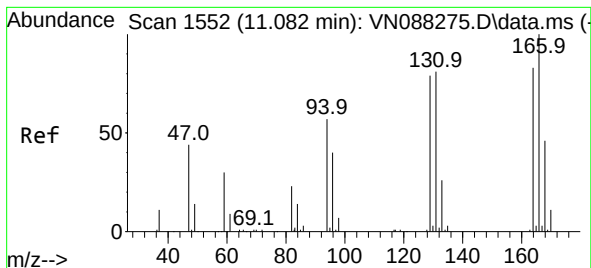
Tgt Ion: 43 Resp: 21863
Ion Ratio Lower Upper
43 100
58 37.5 41.0 61.4#
57 16.2 14.4 21.6



#60
4-Bromofluorobenzene
Concen: 25.583 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.000 min
Lab File: VN088366.D
Acq: 26 Nov 2025 11:09

Tgt Ion: 95 Resp: 101742
Ion Ratio Lower Upper
95 100
174 73.3 54.5 81.7
176 70.5 53.8 80.6





#61

Tetrachloroethene

Concen: 2.873 ug/l

RT: 11.088 min Scan# 1553

Delta R.T. 0.006 min

Lab File: VN088366.D

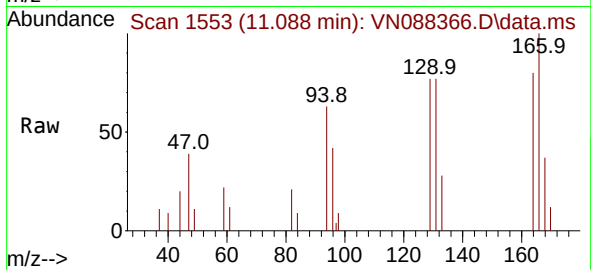
Acq: 26 Nov 2025 11:09

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT4-2025



Tgt Ion:164 Resp: 6969

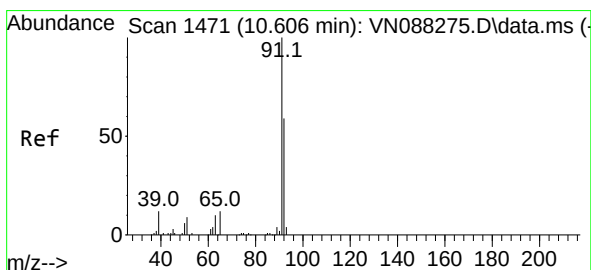
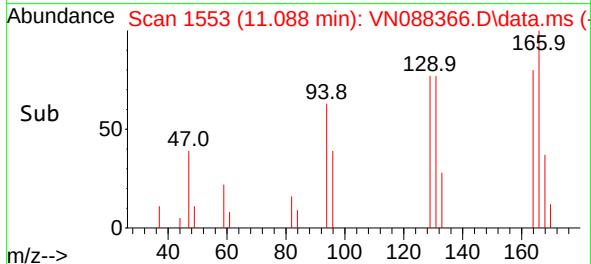
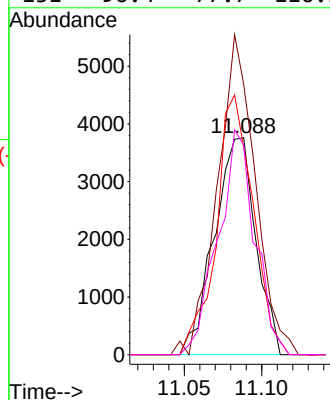
Ion Ratio Lower Upper

164 100

166 118.4 96.3 144.5

129 95.4 76.2 114.2

131 96.4 77.7 116.5



#62

Toluene

Concen: 2.444 ug/l

RT: 10.606 min Scan# 1471

Delta R.T. 0.000 min

Lab File: VN088366.D

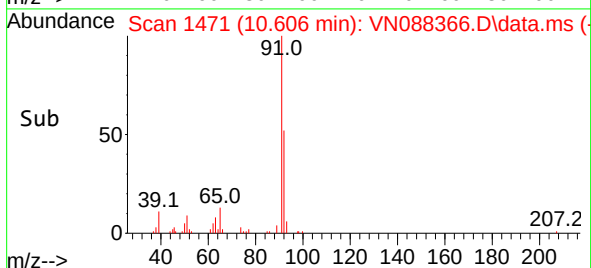
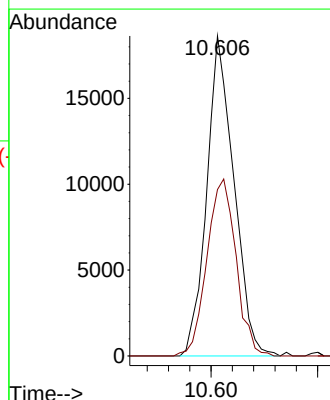
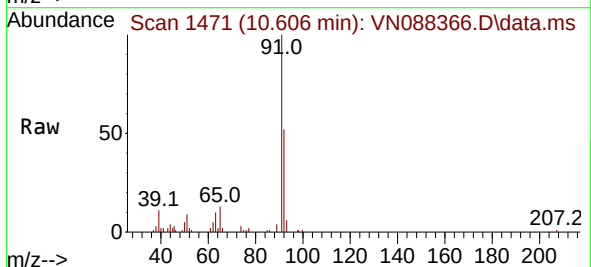
Acq: 26 Nov 2025 11:09

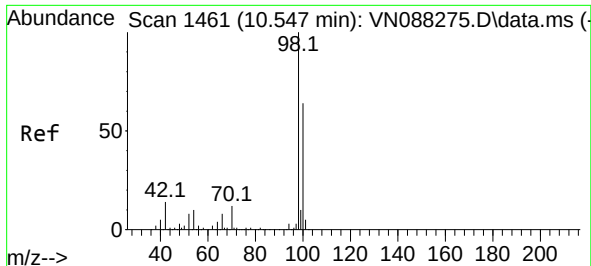
Tgt Ion: 91 Resp: 32992

Ion Ratio Lower Upper

91 100

92 59.1 46.7 70.1

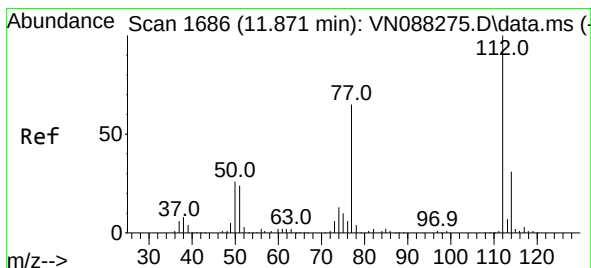
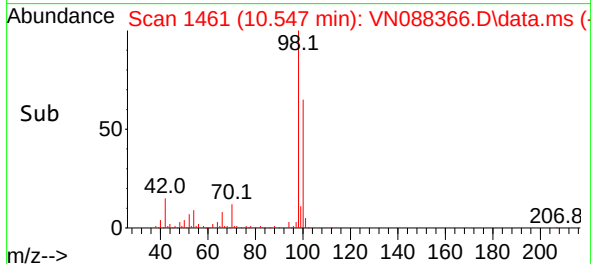
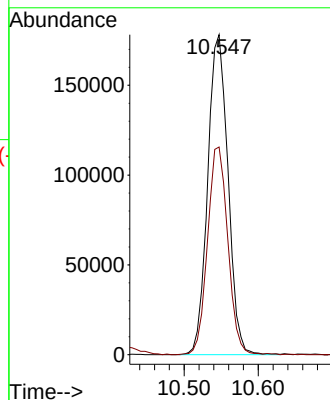
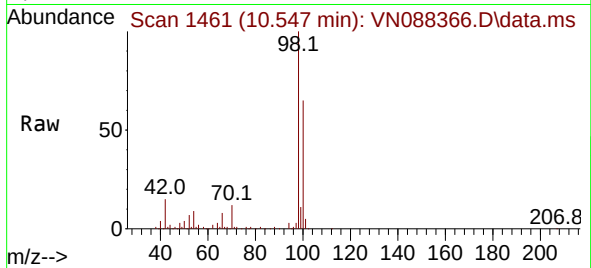




#63
Toluene-d8
Concen: 30.406 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. 0.000 min
Lab File: VN088366.D
Acq: 26 Nov 2025 11:09

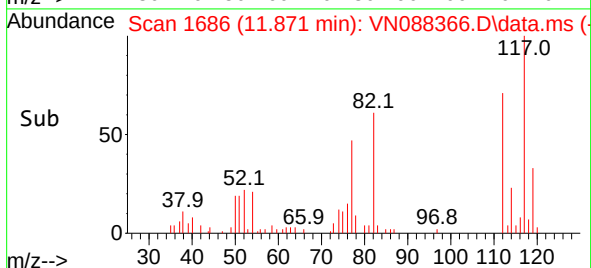
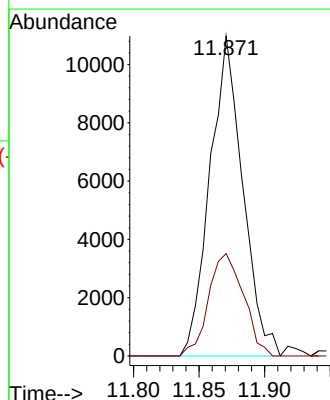
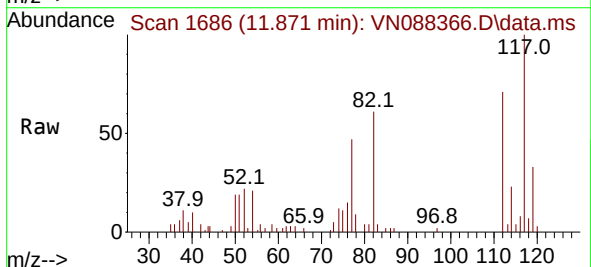
Instrument : MSVOA_N
ClientSampleId : MDL-WATER-03-QT4-2025

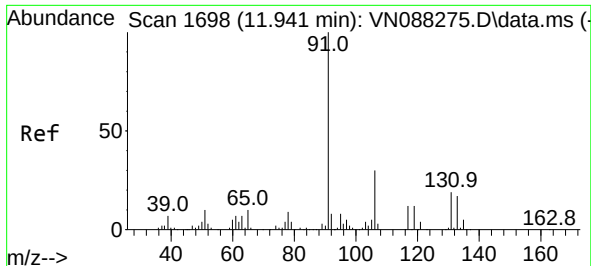
Tgt Ion: 98 Resp: 338656
Ion Ratio Lower Upper
98 100
100 64.9 51.6 77.4



#64
Chlorobenzene
Concen: 2.289 ug/l
RT: 11.871 min Scan# 1686
Delta R.T. 0.000 min
Lab File: VN088366.D
Acq: 26 Nov 2025 11:09

Tgt Ion: 112 Resp: 19138
Ion Ratio Lower Upper
112 100
114 32.0 25.0 37.4

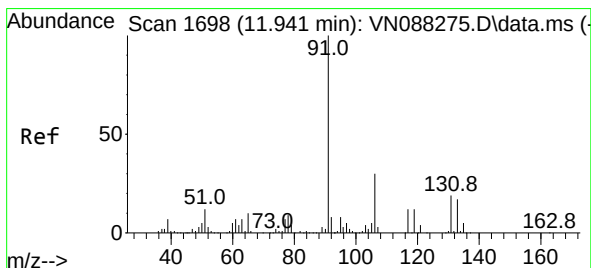
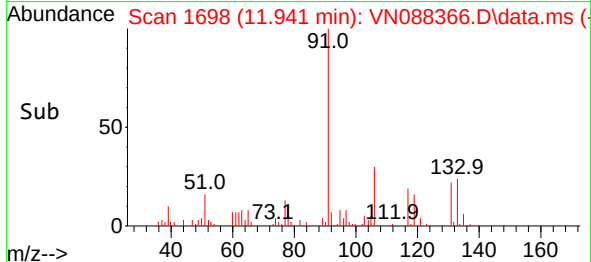
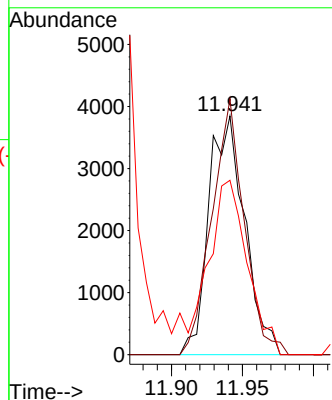
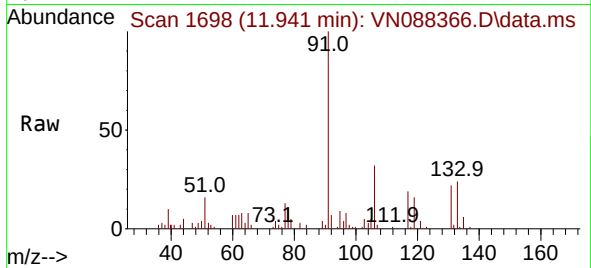




#65
1,1,1,2-Tetrachloroethane
Concen: 2.372 ug/l
RT: 11.941 min Scan# 1698
Delta R.T. 0.000 min
Lab File: VN088366.D
Acq: 26 Nov 2025 11:09

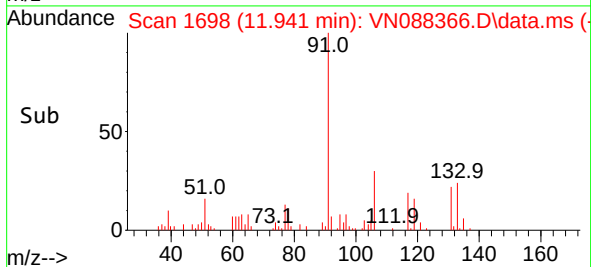
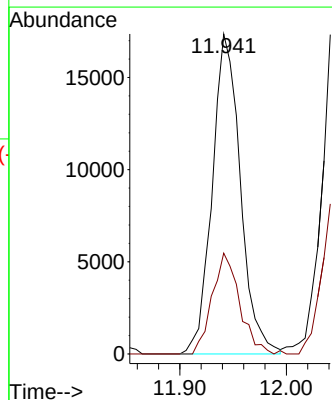
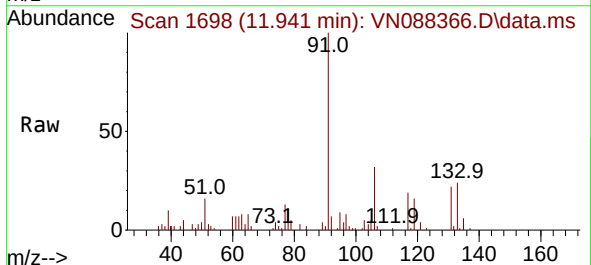
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT4-2025

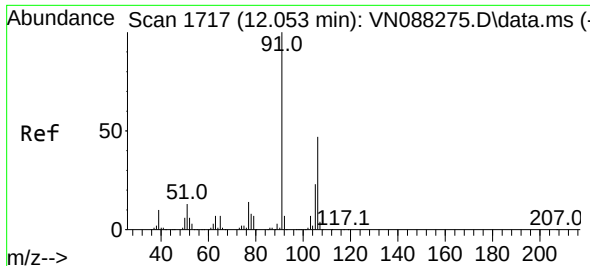
Tgt Ion:131 Resp: 6787
Ion Ratio Lower Upper
131 100
133 95.6 0.0 181.4
119 77.5 0.0 135.0



#66
Ethyl Benzene
Concen: 2.142 ug/l
RT: 11.941 min Scan# 1698
Delta R.T. 0.000 min
Lab File: VN088366.D
Acq: 26 Nov 2025 11:09

Tgt Ion: 91 Resp: 31871
Ion Ratio Lower Upper
91 100
106 31.5 24.4 36.6

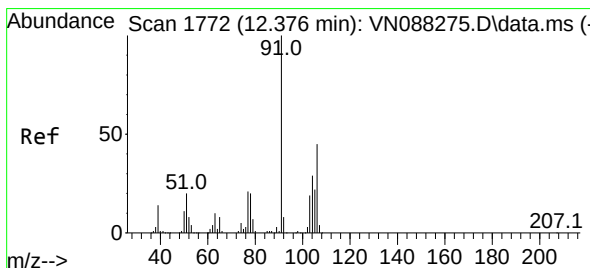
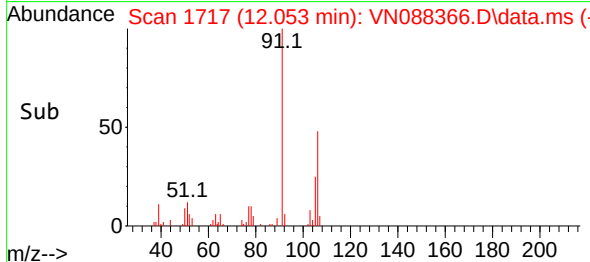
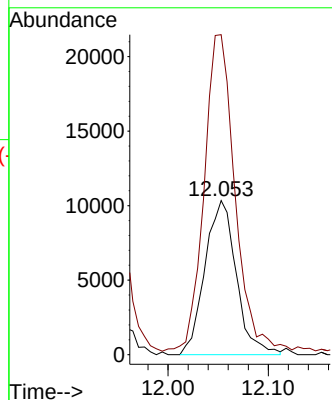
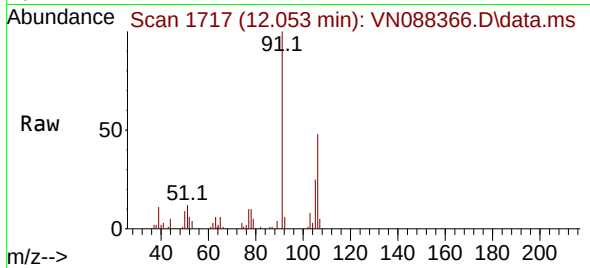




#67
m/p-Xylenes
Concen: 4.041 ug/l
RT: 12.053 min Scan# 1717
Delta R.T. 0.000 min
Lab File: VN088366.D
Acq: 26 Nov 2025 11:09

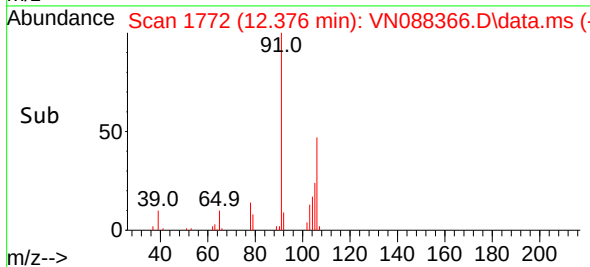
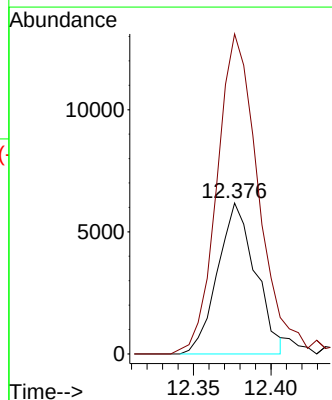
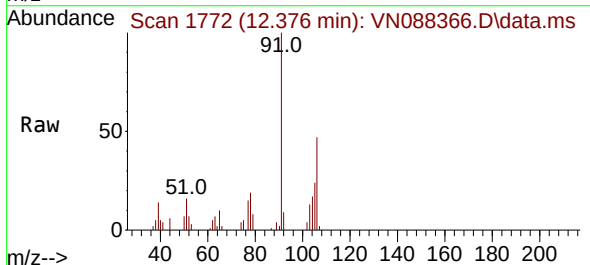
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT4-2025

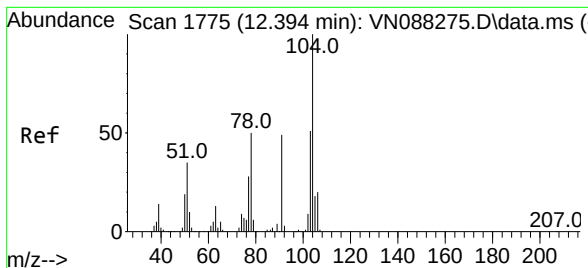
Tgt Ion:106 Resp: 22487
Ion Ratio Lower Upper
106 100
91 196.2 168.3 252.5



#68
o-Xylene
Concen: 2.005 ug/l
RT: 12.376 min Scan# 1772
Delta R.T. 0.000 min
Lab File: VN088366.D
Acq: 26 Nov 2025 11:09

Tgt Ion:106 Resp: 10523
Ion Ratio Lower Upper
106 100
91 230.3 114.0 342.0





#69

Styrene

Concen: 1.717 ug/l

RT: 12.394 min Scan# 1775

Delta R.T. 0.000 min

Lab File: VN088366.D

Acq: 26 Nov 2025 11:09

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT4-2025

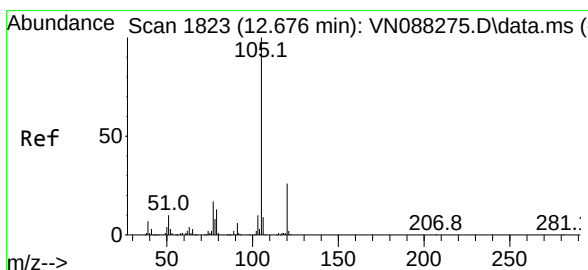
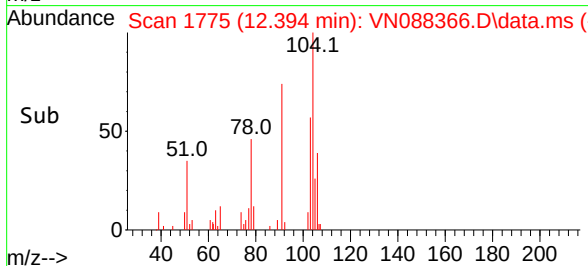
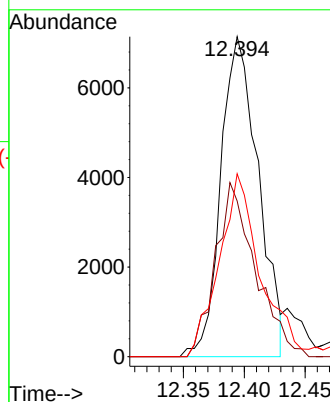
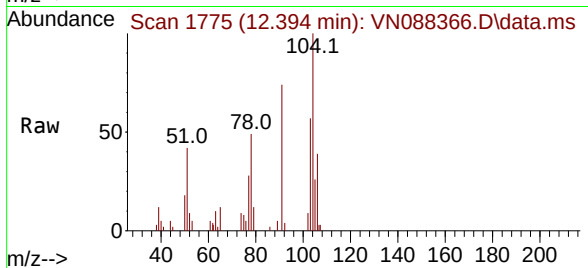
Tgt Ion:104 Resp: 15304

Ion Ratio Lower Upper

104 100

78 58.1 43.8 65.8

103 62.4 44.8 67.2



#70

Isopropylbenzene

Concen: 1.864 ug/l

RT: 12.676 min Scan# 1823

Delta R.T. 0.000 min

Lab File: VN088366.D

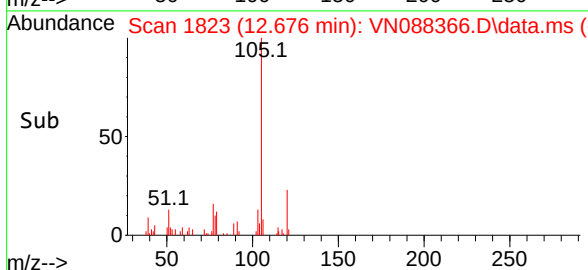
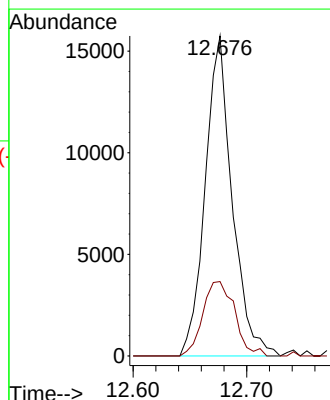
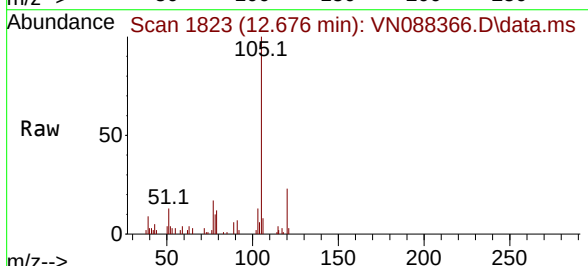
Acq: 26 Nov 2025 11:09

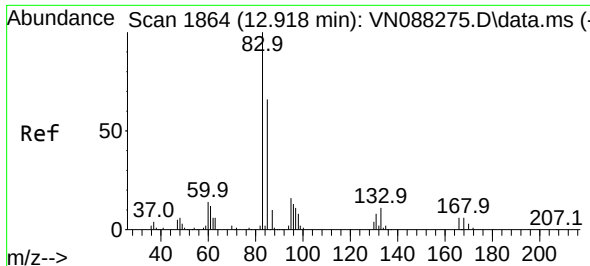
Tgt Ion:105 Resp: 25931

Ion Ratio Lower Upper

105 100

120 27.0 18.2 33.8

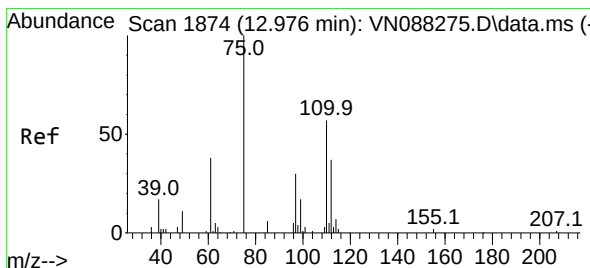
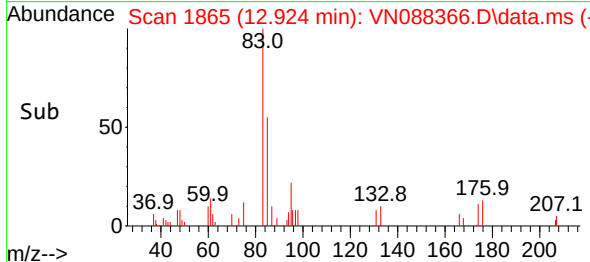
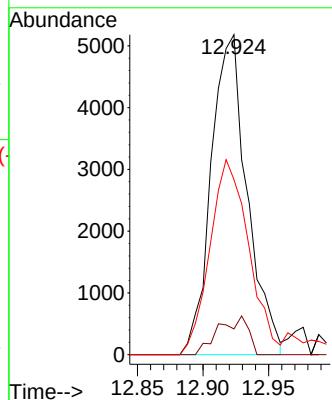
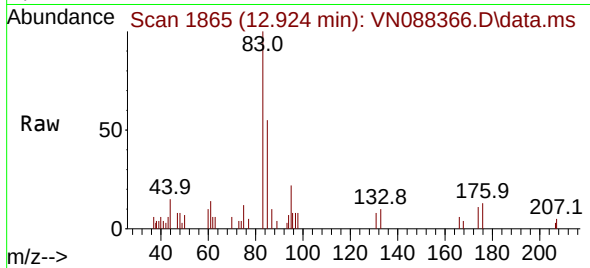




#71
1,1,2,2-Tetrachloroethane
Concen: 2.197 ug/l
RT: 12.924 min Scan# 1865
Delta R.T. 0.006 min
Lab File: VN088366.D
Acq: 26 Nov 2025 11:09

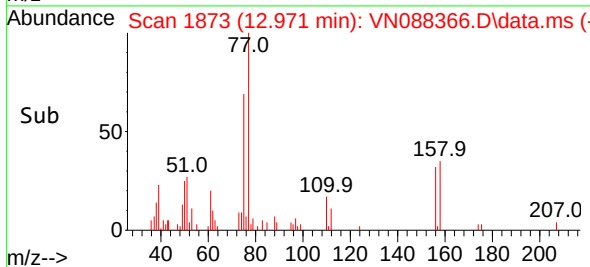
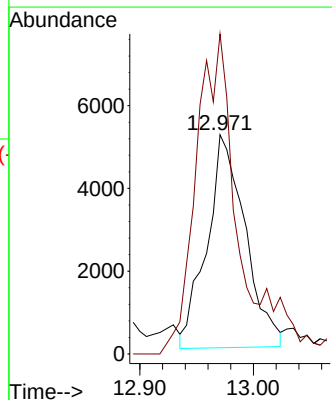
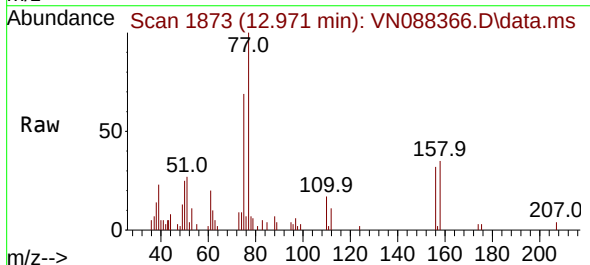
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT4-2025

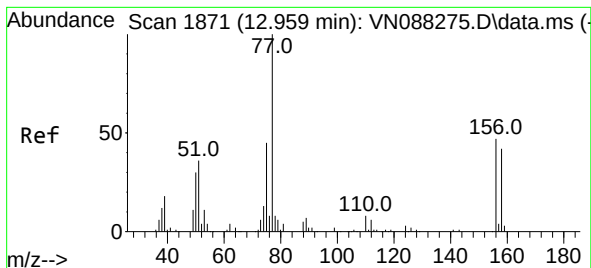
Tgt Ion: 83 Resp: 9899
Ion Ratio Lower Upper
83 100
131 3.6 4.3 12.9#
85 65.8 32.4 97.2



#72
1,2,3-Trichloropropane
Concen: 2.765 ug/l
RT: 12.971 min Scan# 1873
Delta R.T. -0.006 min
Lab File: VN088366.D
Acq: 26 Nov 2025 11:09

Tgt Ion: 75 Resp: 12071
Ion Ratio Lower Upper
75 100
77 77.4 0.0 386.6





#73

Bromobenzene

Concen: 2.081 ug/l

RT: 12.965 min Scan# 1871

Delta R.T. 0.006 min

Lab File: VN088366.D

Acq: 26 Nov 2025 11:09

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT4-2025

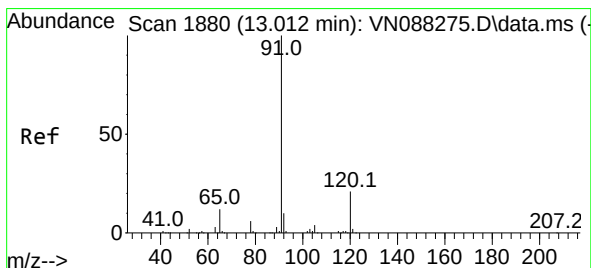
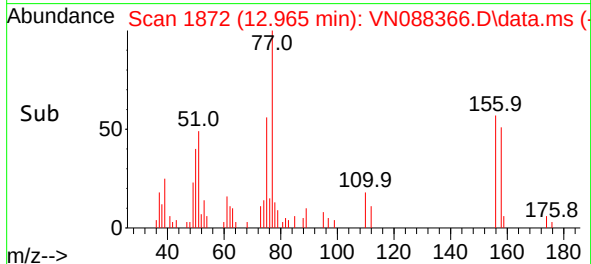
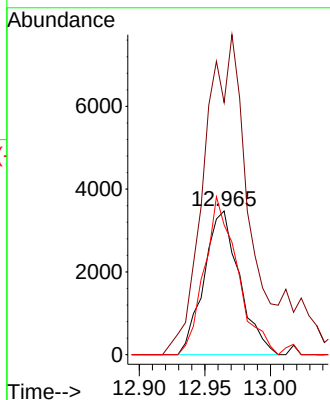
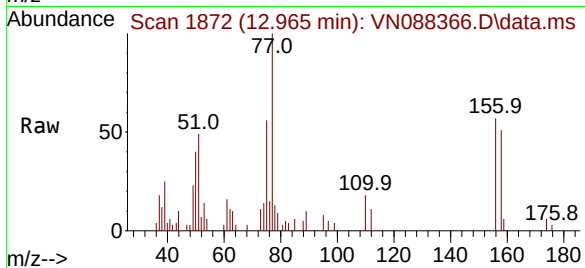
Tgt Ion:156 Resp: 6536

Ion Ratio Lower Upper

156 100

77 143.0 0.0 493.4

158 102.6 0.0 193.4



#74

n-propylbenzene

Concen: 1.940 ug/l

RT: 13.018 min Scan# 1881

Delta R.T. 0.006 min

Lab File: VN088366.D

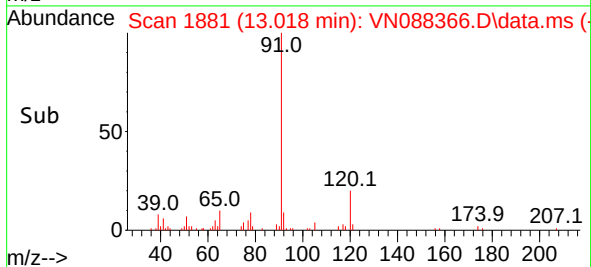
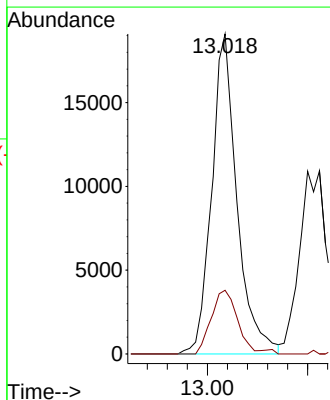
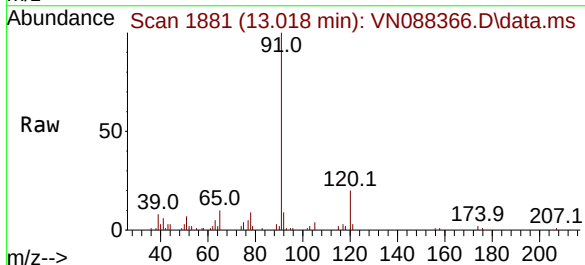
Acq: 26 Nov 2025 11:09

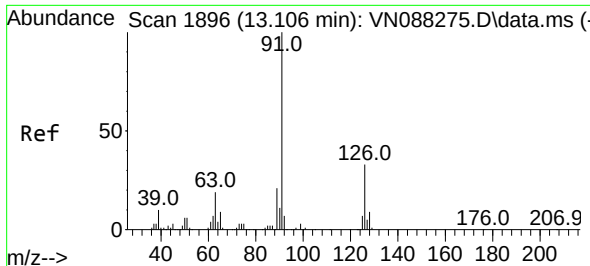
Tgt Ion: 91 Resp: 33404

Ion Ratio Lower Upper

91 100

120 20.3 0.0 43.2

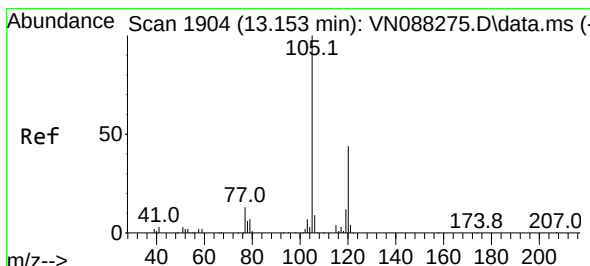
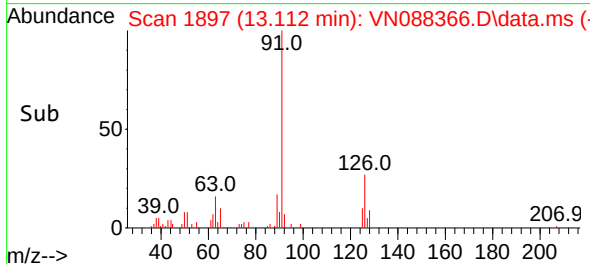
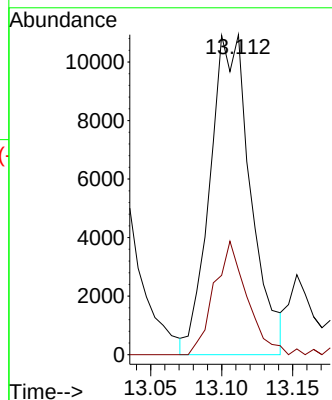
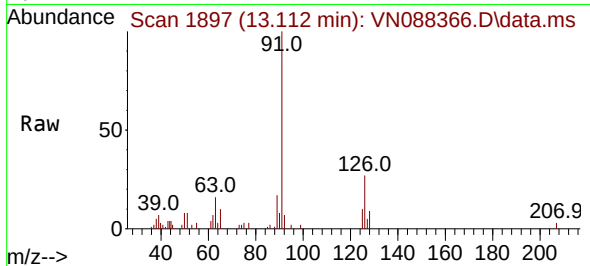




#75
2-Chlorotoluene
Concen: 2.085 ug/l
RT: 13.112 min Scan# 1897
Delta R.T. 0.006 min
Lab File: VN088366.D
Acq: 26 Nov 2025 11:09

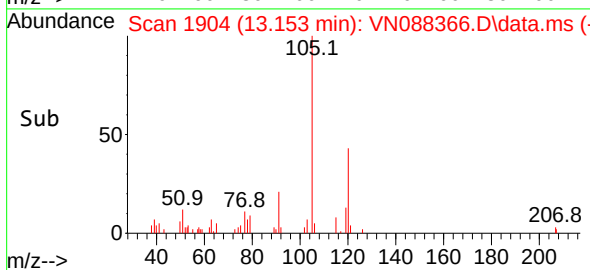
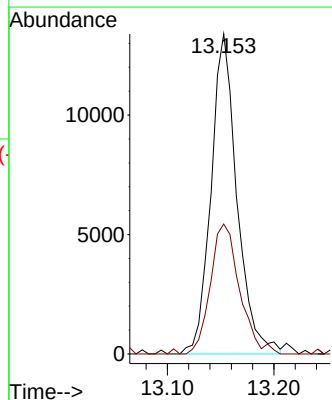
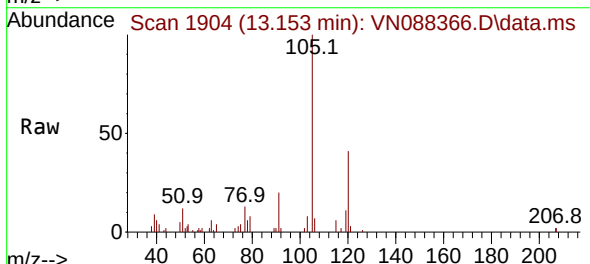
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT4-2025

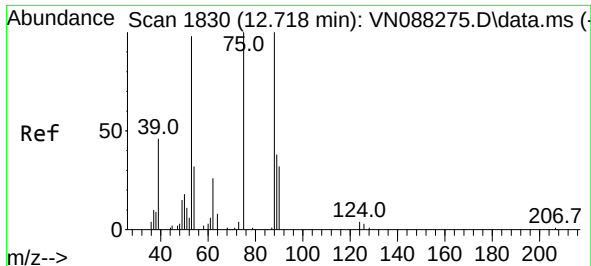
Tgt Ion: 91 Resp: 21826
Ion Ratio Lower Upper
91 100
126 28.5 0.0 62.0



#76
1,3,5-Trimethylbenzene
Concen: 1.946 ug/l
RT: 13.153 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VN088366.D
Acq: 26 Nov 2025 11:09

Tgt Ion: 105 Resp: 22722
Ion Ratio Lower Upper
105 100
120 44.6 0.0 94.6

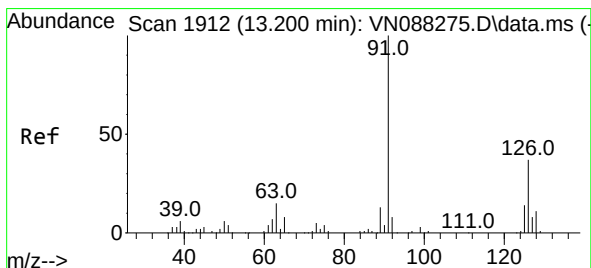
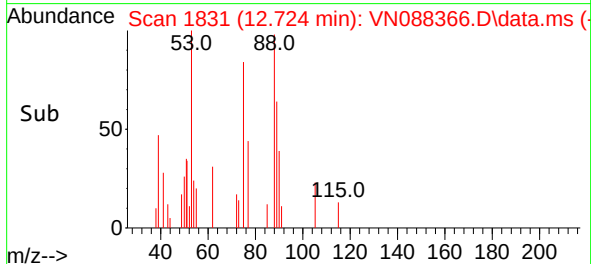
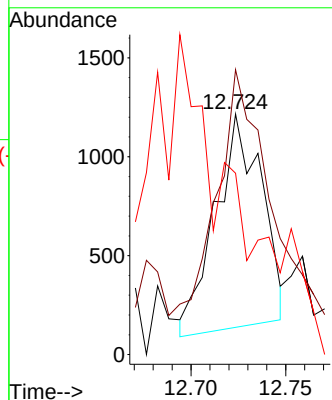
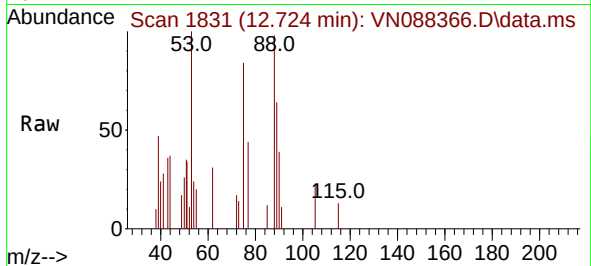




#77
t-1,4-Dichloro-2-butene
Concen: 1.227 ug/l
RT: 12.724 min Scan# 1831
Delta R.T. 0.006 min
Lab File: VN088366.D
Acq: 26 Nov 2025 11:09

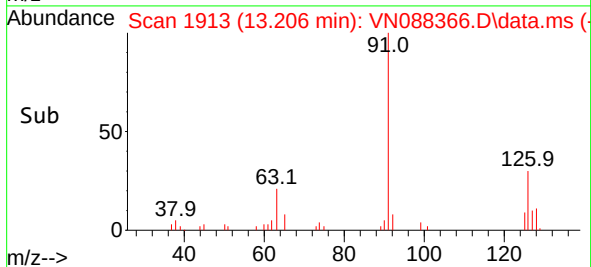
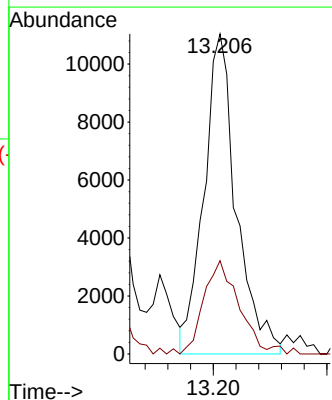
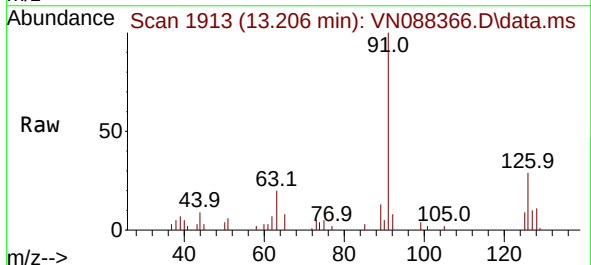
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT4-2025

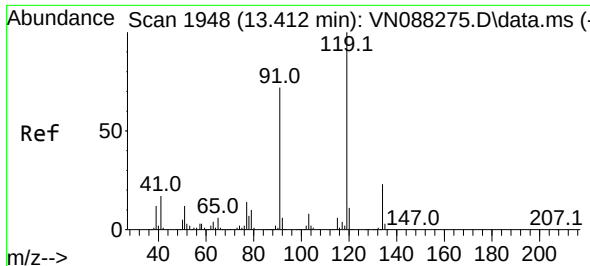
Tgt Ion: 75	Resp: 1840
Ion Ratio	Lower Upper
75 100	
53 113.9	50.0 150.0
89 48.4	22.3 66.9



#78
4-Chlorotoluene
Concen: 2.054 ug/l
RT: 13.206 min Scan# 1913
Delta R.T. 0.006 min
Lab File: VN088366.D
Acq: 26 Nov 2025 11:09

Tgt Ion: 91	Resp: 21792
Ion Ratio	Lower Upper
91 100	
126 31.1	0.0 60.8

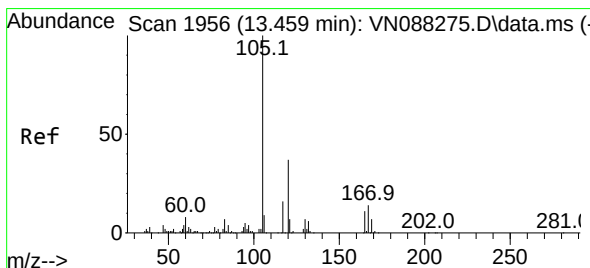
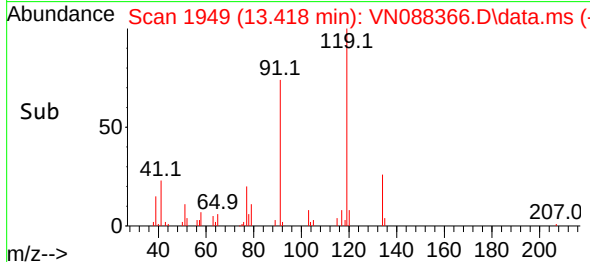
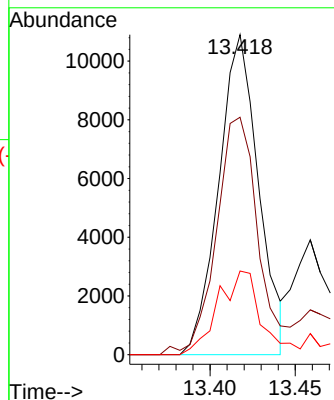
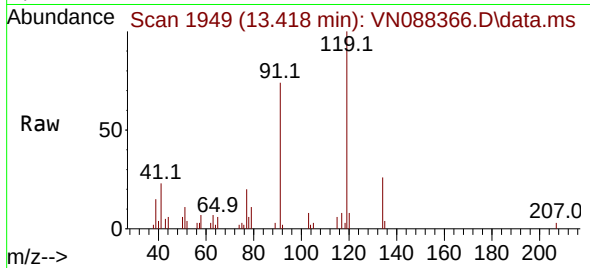




#79
tert-butylbenzene
Concen: 1.777 ug/l
RT: 13.418 min Scan# 1948
Delta R.T. 0.006 min
Lab File: VN088366.D
Acq: 26 Nov 2025 11:09

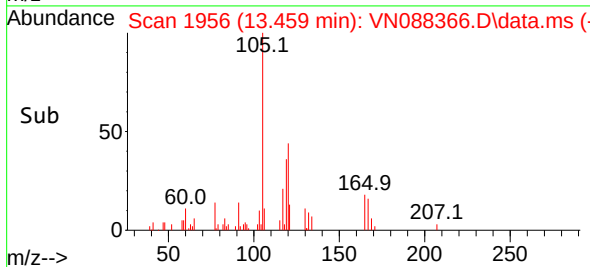
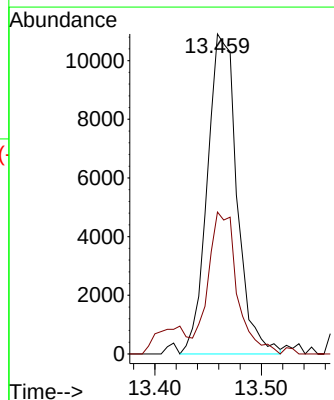
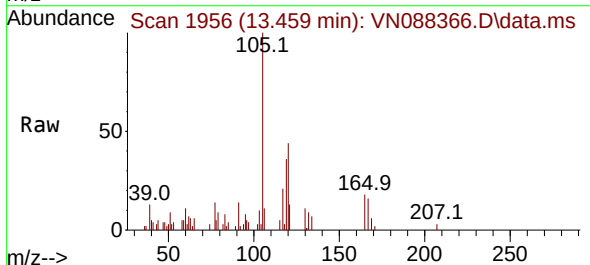
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT4-2025

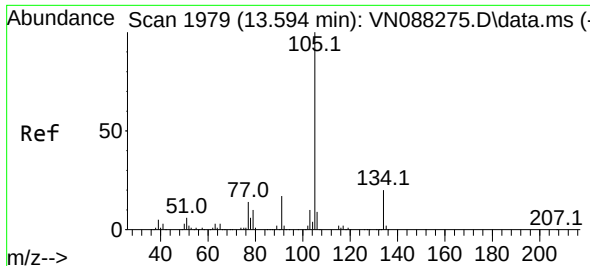
Tgt Ion:119 Resp: 17764
Ion Ratio Lower Upper
119 100
91 77.0 0.0 140.8
134 28.1 0.0 48.4



#80
1,2,4-Trimethylbenzene
Concen: 1.818 ug/l
RT: 13.459 min Scan# 1956
Delta R.T. 0.000 min
Lab File: VN088366.D
Acq: 26 Nov 2025 11:09

Tgt Ion:105 Resp: 21109
Ion Ratio Lower Upper
105 100
120 42.8 0.0 89.2

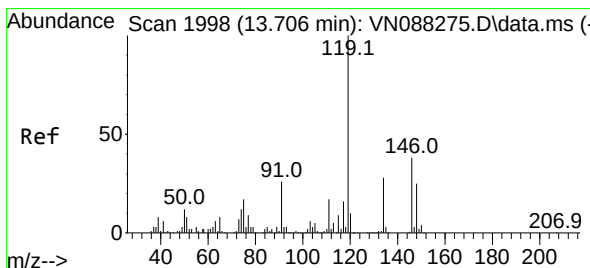
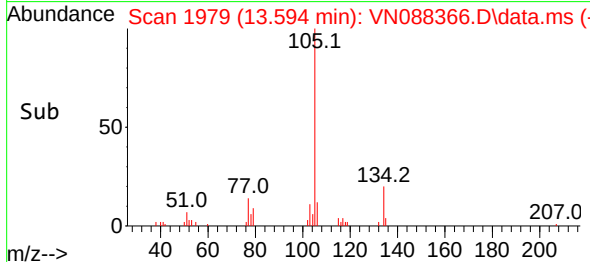
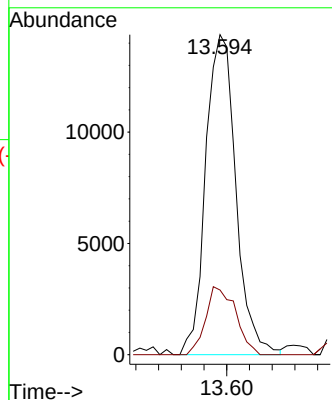
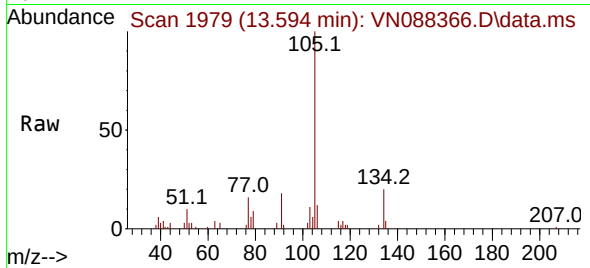




#81
 sec-Butylbenzene
 Concen: 1.821 ug/l
 RT: 13.594 min Scan# 1979
 Delta R.T. 0.000 min
 Lab File: VN088366.D
 Acq: 26 Nov 2025 11:09

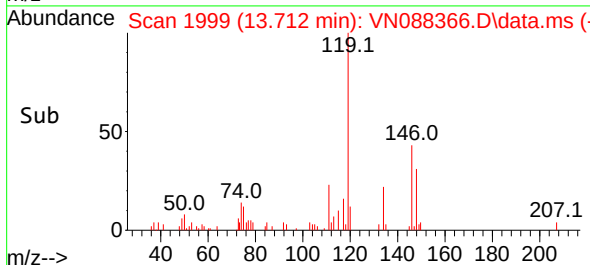
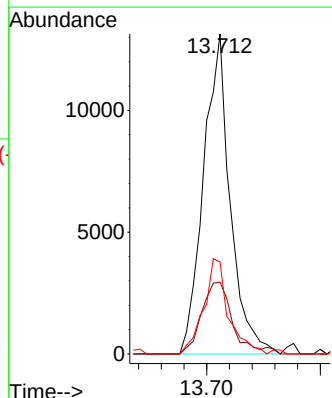
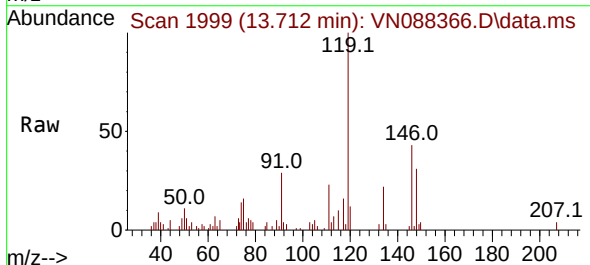
Instrument :
 MSVOA_N
 ClientSampleId :
 MDL-WATER-03-QT4-2025

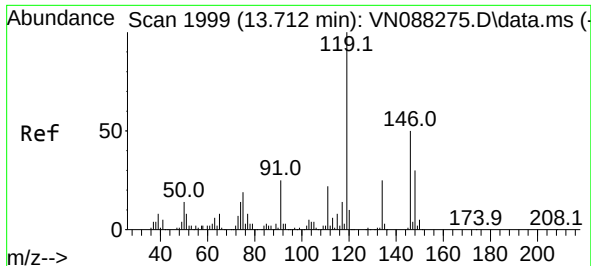
Tgt Ion:105 Resp: 26558
 Ion Ratio Lower Upper
 105 100
 134 21.1 0.0 38.4



#82
 p-Isopropyltoluene
 Concen: 1.776 ug/l
 RT: 13.712 min Scan# 1999
 Delta R.T. 0.006 min
 Lab File: VN088366.D
 Acq: 26 Nov 2025 11:09

Tgt Ion:119 Resp: 21402
 Ion Ratio Lower Upper
 119 100
 134 25.2 0.0 51.2
 91 27.6 0.0 53.4

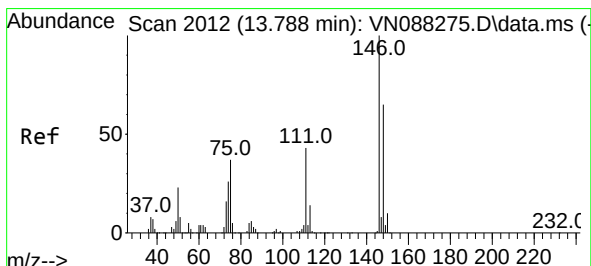
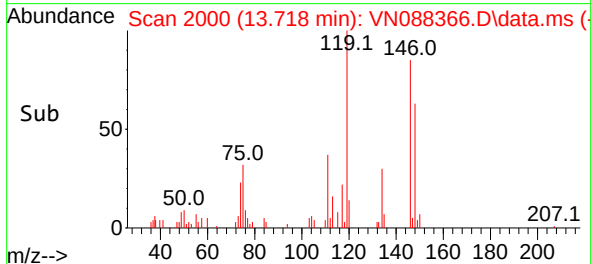
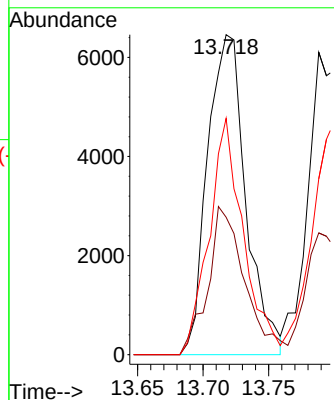
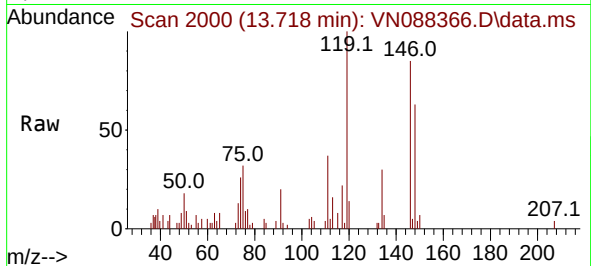




#83
1,3-Dichlorobenzene
Concen: 2.151 ug/l
RT: 13.718 min Scan# 2012
Delta R.T. 0.006 min
Lab File: VN088366.D
Acq: 26 Nov 2025 11:09

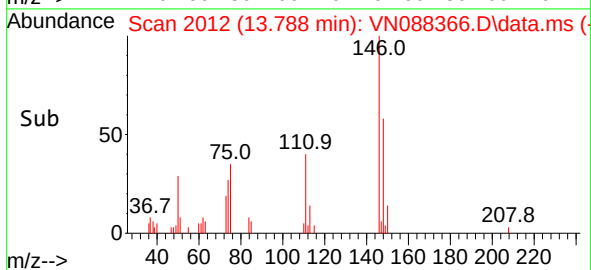
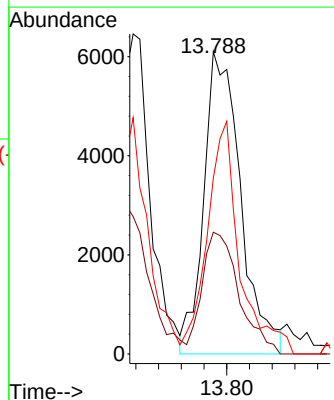
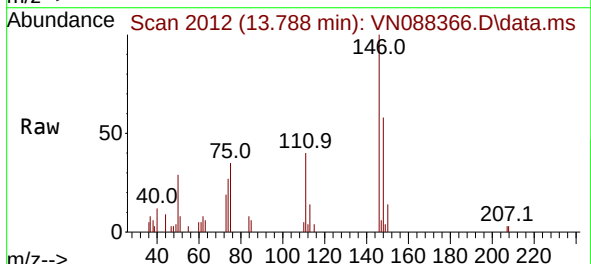
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT4-2025

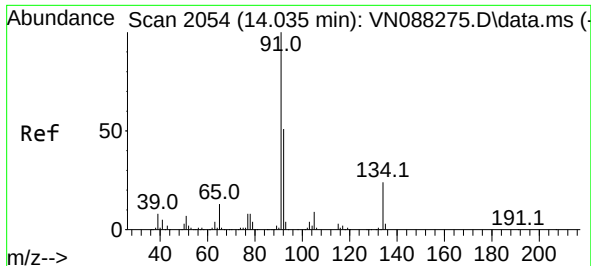
Tgt Ion:146 Resp: 13124
Ion Ratio Lower Upper
146 100
111 44.7 22.1 66.5
148 65.9 31.4 94.3



#84
1,4-Dichlorobenzene
Concen: 2.225 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN088366.D
Acq: 26 Nov 2025 11:09

Tgt Ion:146 Resp: 13751
Ion Ratio Lower Upper
146 100
111 40.3 21.8 65.3
148 56.8 31.9 95.5

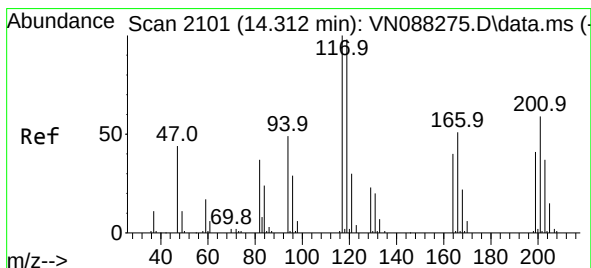
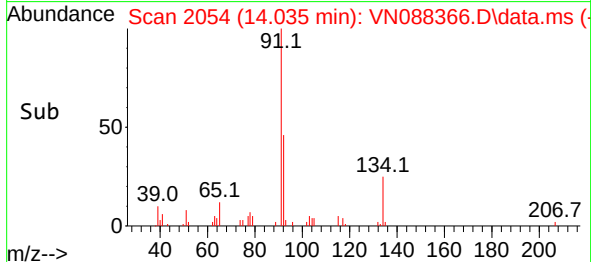
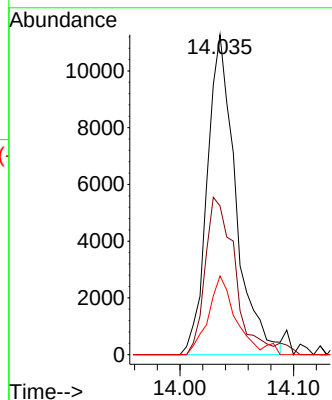
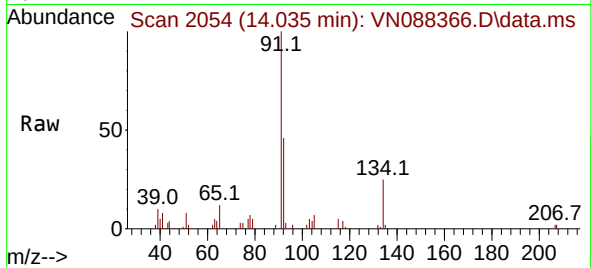




#85
n-Butylbenzene
Concen: 1.713 ug/l
RT: 14.035 min Scan# 2054
Delta R.T. 0.000 min
Lab File: VN088366.D
Acq: 26 Nov 2025 11:09

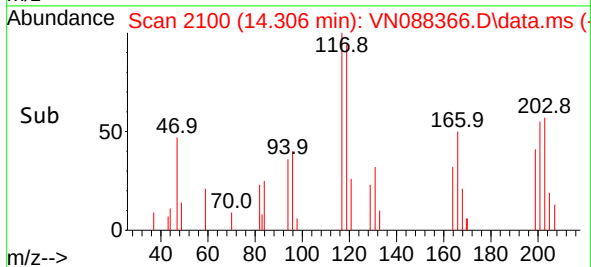
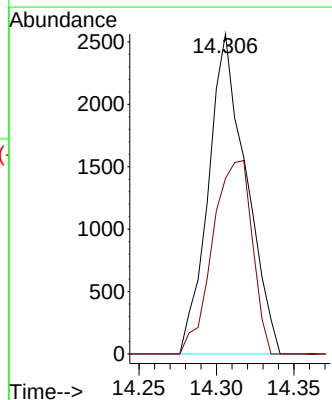
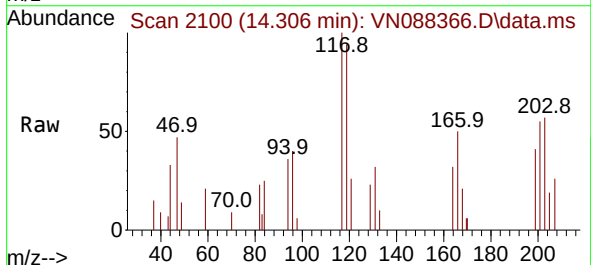
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT4-2025

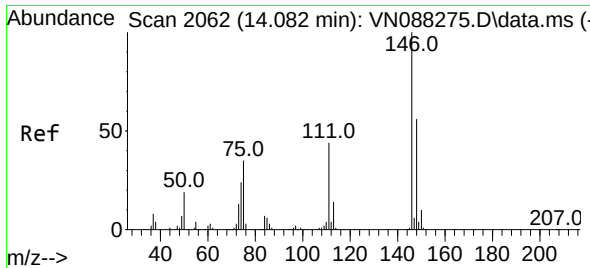
Tgt Ion: 91 Resp: 19668
Ion Ratio Lower Upper
91 100
92 51.1 0.0 102.4
134 23.0 0.0 45.8



#86
Hexachloroethane
Concen: 1.884 ug/l
RT: 14.306 min Scan# 2100
Delta R.T. -0.006 min
Lab File: VN088366.D
Acq: 26 Nov 2025 11:09

Tgt Ion: 117 Resp: 4347
Ion Ratio Lower Upper
117 100
201 63.2 30.6 92.0

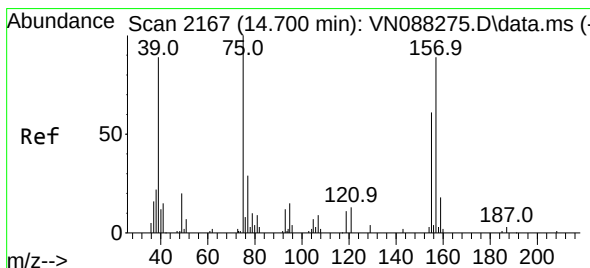
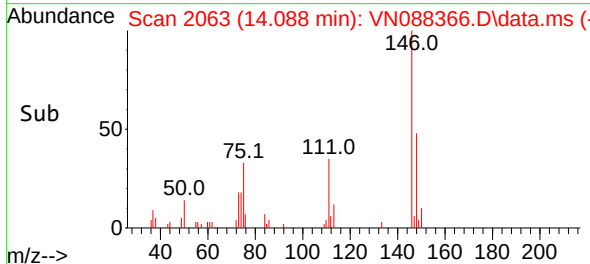
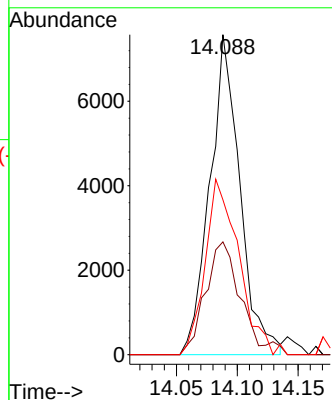
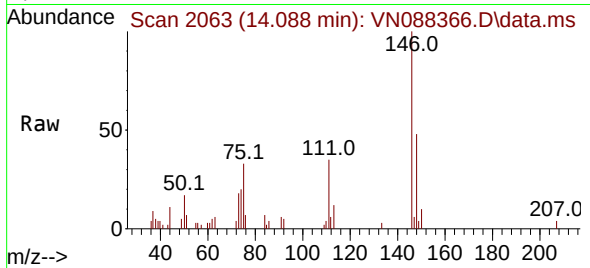




#87
1,2-Dichlorobenzene
Concen: 2.266 ug/l
RT: 14.088 min Scan# 2062
Delta R.T. 0.006 min
Lab File: VN088366.D
Acq: 26 Nov 2025 11:09

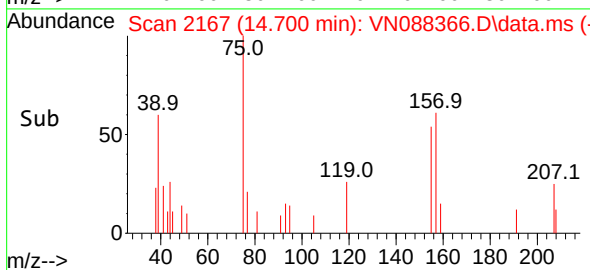
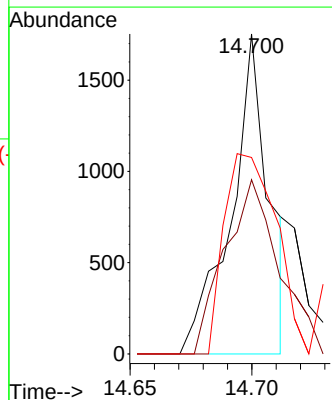
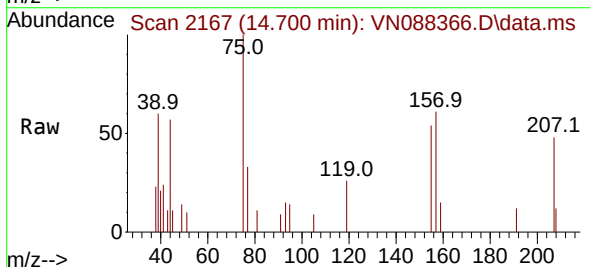
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT4-2025

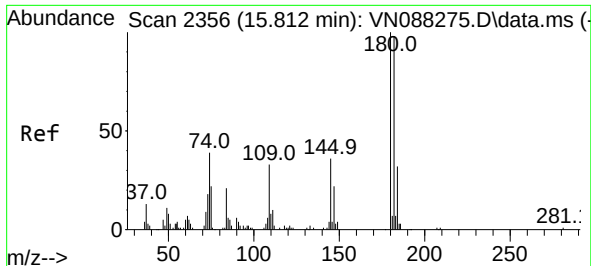
Tgt Ion:146 Resp: 13053
Ion Ratio Lower Upper
146 100
111 39.5 23.0 69.0
148 60.7 31.1 93.2



#88
1,2-Dibromo-3-Chloropropane
Concen: 1.787 ug/l
RT: 14.700 min Scan# 2167
Delta R.T. 0.000 min
Lab File: VN088366.D
Acq: 26 Nov 2025 11:09

Tgt Ion: 75 Resp: 1893
Ion Ratio Lower Upper
75 100
155 78.1 54.8 82.2
157 86.7 70.7 106.1

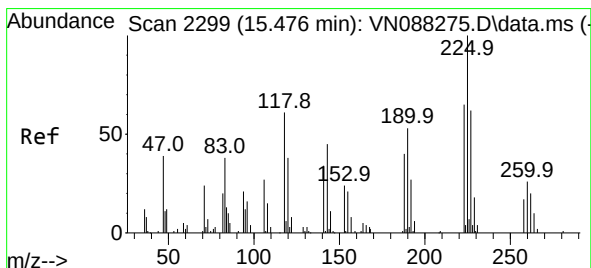
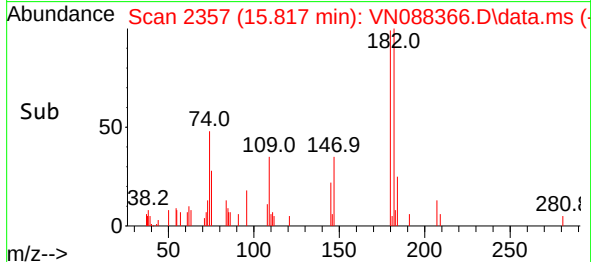
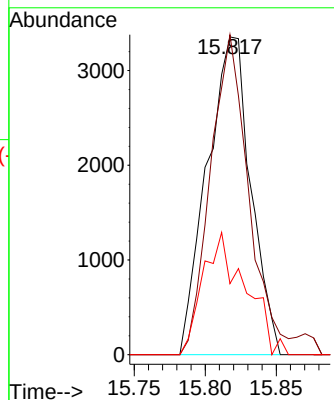
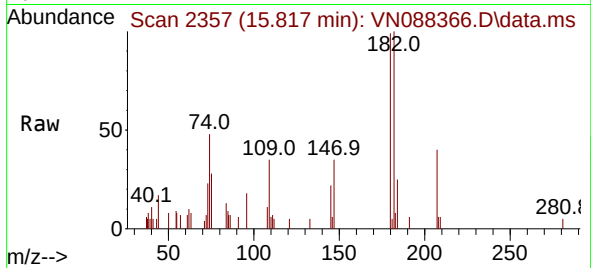




#89
1,2,4-Trichlorobenzene
Concen: 2.217 ug/l
RT: 15.817 min Scan# 21
Delta R.T. 0.006 min
Lab File: VN088366.D
Acq: 26 Nov 2025 11:09

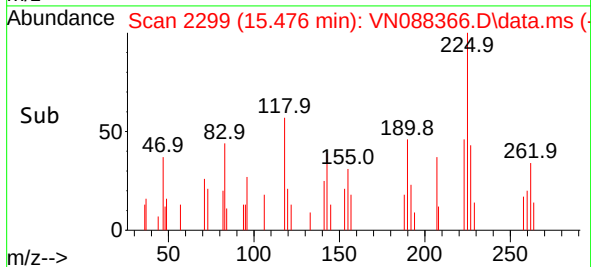
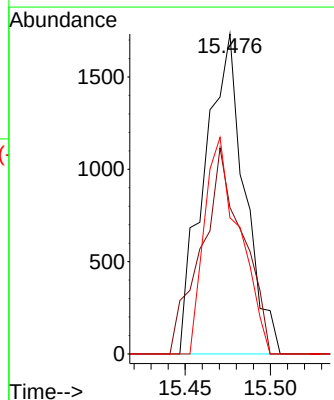
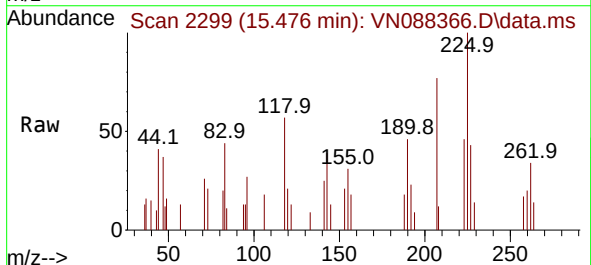
Instrument :
MSVOA_N
ClientSampleId :
MDL-WATER-03-QT4-2025

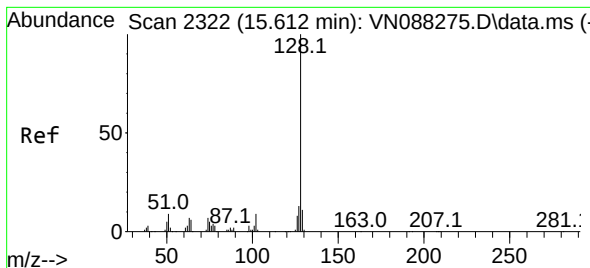
Tgt Ion:180 Resp: 7166
Ion Ratio Lower Upper
180 100
182 88.1 77.3 115.9
145 33.7 30.2 45.4



#90
Hexachlorobutadiene
Concen: 2.272 ug/l
RT: 15.476 min Scan# 2299
Delta R.T. 0.000 min
Lab File: VN088366.D
Acq: 26 Nov 2025 11:09

Tgt Ion:225 Resp: 2851
Ion Ratio Lower Upper
225 100
223 66.3 0.0 132.0
227 58.8 0.0 132.6





#91

Naphthalene

Concen: 1.796 ug/l

RT: 15.617 min Scan# 21

Delta R.T. 0.006 min

Lab File: VN088366.D

Acq: 26 Nov 2025 11:09

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT4-2025

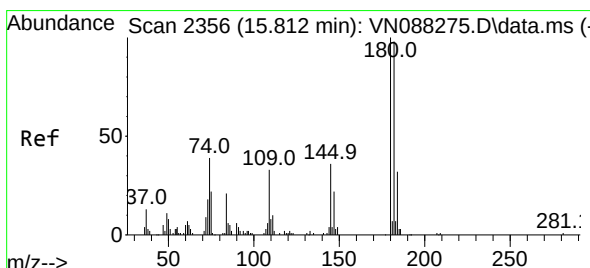
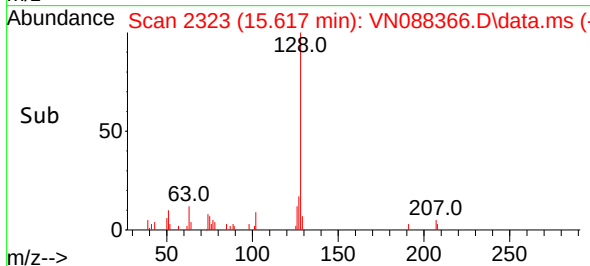
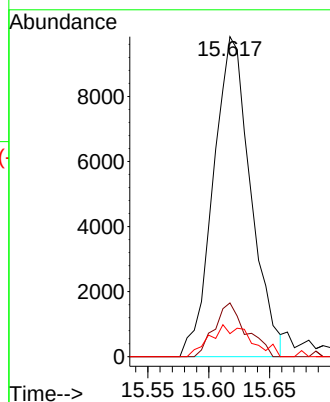
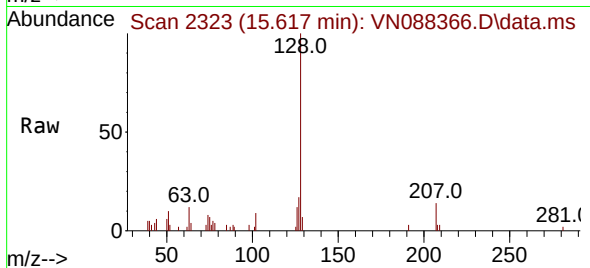
Tgt Ion:128 Resp: 20997

Ion Ratio Lower Upper

128 100

127 11.5 10.6 16.0

129 4.5 8.8 13.2#



#92

1,2,3-Trichlorobenzene

Concen: 2.217 ug/l

RT: 15.817 min Scan# 2357

Delta R.T. 0.006 min

Lab File: VN088366.D

Acq: 26 Nov 2025 11:09

Tgt Ion:180 Resp: 7166

Ion Ratio Lower Upper

180 100

182 88.1 0.0 193.2

145 33.7 0.0 75.6

