

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102825\
 Data File : VN088136.D
 Acq On : 28 Oct 2025 13:59
 Operator : JC\MD
 Sample : Q3468-06
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-12

Quant Time: Oct 29 02:23:59 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 25 00:15:22 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.206	168	238860	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	531874	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	512440	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	250379	50.000	ug/l	# 0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	223698	54.159	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 108.320%	
35) Dibromofluoromethane	8.153	113	164260	45.971	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 91.940%	
50) Toluene-d8	10.547	98	615854	44.731	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 89.460%	
62) 4-Bromofluorobenzene	12.829	95	250761	51.572	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 103.140%	

Target Compounds			Qvalue			
3) Chloromethane	2.389	50	1198	0.378	ug/l #	67
5) Bromomethane	2.995	94	686	0.332	ug/l #	49
6) Chloroethane	3.142	64	6643	2.670	ug/l	88
10) Methyl Iodide	4.600	142	342	4.323	ug/l #	91
11) Tert butyl alcohol	5.506	59	8768	12.322	ug/l #	71
13) Acrolein	4.153	56	5938	7.419	ug/l #	1
16) Acetone	4.424	43	126322	60.877	ug/l	95
17) Carbon Disulfide	4.712	76	2248	0.246	ug/l #	74
18) Methyl Acetate	5.036	43	1705	0.401	ug/l #	54
19) Methyl tert-butyl Ether	5.794	73	33488	3.037	ug/l #	1
20) Methylene Chloride	5.336	84	169	0.824	ug/l #	10
23) Vinyl Acetate	6.583	43	3254	0.326	ug/l #	72
25) 2-Butanone	7.477	43	48690	17.805	ug/l	92
26) 2,2-Dichloropropane	7.424	77	3696	0.663	ug/l #	54
30) Chloroform	7.924	83	1436	0.234	ug/l #	19
31) Cyclohexane	8.241	56	106088	18.349	ug/l	95
36) 1,1-Dichloropropene	8.200	75	25512	4.890	ug/l #	53
37) Ethyl Acetate	7.477	43	48690	7.232	ug/l #	72
38) Carbon Tetrachloride	8.212	117	26855	4.984	ug/l #	13
39) Methylcyclohexane	9.582	83	50285	7.498	ug/l	92
40) Benzene	8.588	78	2837058	178.557	ug/l	98
41) Methacrylonitrile	7.806	41	1215	0.343	ug/l #	25
42) 1,2-Dichloroethane	8.653	62	7582	1.343	ug/l	94
43) Isopropyl Acetate	8.641	43	7104	0.687	ug/l #	58
45) 1,2-Dichloropropane	9.588	63	1996	0.498	ug/l #	12
48) Methyl methacrylate	9.582	41	35808	7.497	ug/l #	76
51) 4-Methyl-2-Pentanone	10.429	43	17485	2.857	ug/l	96
52) Toluene	10.606	92	1345771	137.377	ug/l	98
53) t-1,3-Dichloropropene	10.612	75	17133	2.810	ug/l #	1
55) 1,1,2-Trichloroethane	10.977	97	4571	1.230	ug/l #	16
56) Ethyl methacrylate	10.859	69	2482	0.422	ug/l #	21
58) 2-Chloroethyl Vinyl ether	10.182	63	3204	1.047	ug/l #	49
59) 2-Hexanone	11.041	43	15971	3.934	ug/l	83
61) 1,2-Dibromoethane	11.459	107	929	0.243	ug/l	87
65) Chlorobenzene	12.018	112	7475	0.642	ug/l #	56
67) Ethyl Benzene	11.941	91	12271883	600.837	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102825\
 Data File : VN088136.D
 Acq On : 28 Oct 2025 13:59
 Operator : JC\MD
 Sample : Q3468-06
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-12

Quant Time: Oct 29 02:23:59 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 25 00:15:22 2025
 Response via : Initial Calibration

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

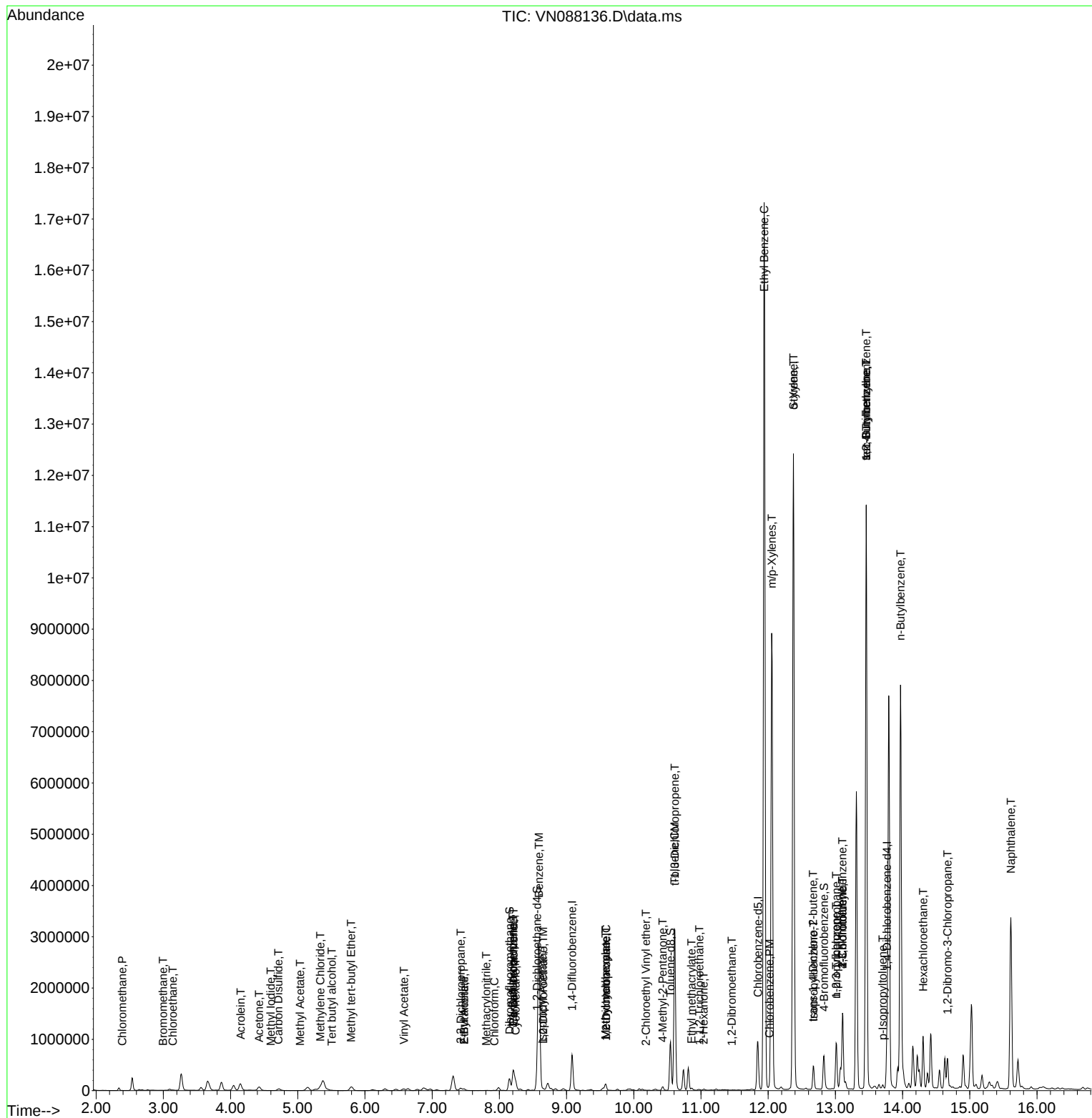
68) m/p-Xylenes	12.053	106	2542887	332.284	ug/l	100
69) o-Xylene	12.376	106	3222847	444.252	ug/l	98
70) Styrene	12.376	104	233059	19.701	ug/l #	1
73) Isopropylbenzene	12.676	105	308974	16.000	ug/l	99
76) 1,2,3-Trichloropropane	13.012	75	5264	0.920	ug/l #	1
78) n-propylbenzene	13.012	91	730347	30.991	ug/l	100
79) 2-Chlorotoluene	13.106	91	164806	12.263	ug/l #	42
80) 1,3,5-Trimethylbenzene	13.106	105	1272202	79.324	ug/l	69
81) trans-1,4-Dichloro-2-b...	12.671	75	5114	2.492	ug/l #	60
82) 4-Chlorotoluene	13.106	91	164806	11.335	ug/l #	43
83) tert-Butylbenzene	13.459	119	740563	51.691	ug/l #	61
84) 1,2,4-Trimethylbenzene	13.459	105	6250252	389.515	ug/l	100
85) sec-Butylbenzene	13.459	105	6249299	296.895	ug/l #	58
86) p-Isopropyltoluene	13.706	119	26100	1.546	ug/l #	74
89) n-Butylbenzene	13.970	91	782967	46.812	ug/l #	44
90) Hexachloroethane	14.306	117	49045	14.999	ug/l #	22
92) 1,2-Dibromo-3-Chloropr...	14.670	75	3420	2.444	ug/l #	8
95) Naphthalene	15.611	128	3038284	182.752	ug/l	100

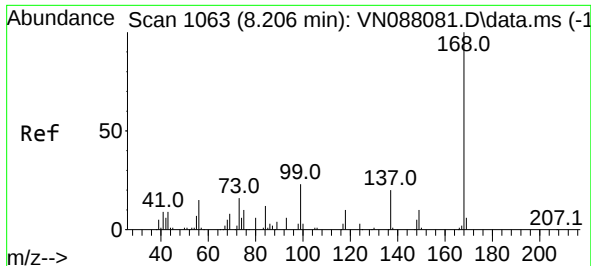
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102825\
Data File : VN088136.D
Acq On : 28 Oct 2025 13:59
Operator : JC\MD
Sample : Q3468-06
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW-12

Quant Time: Oct 29 02:23:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
Quant Title : SW846 8260
QLast Update : Sat Oct 25 00:15:22 2025
Response via : Initial Calibration

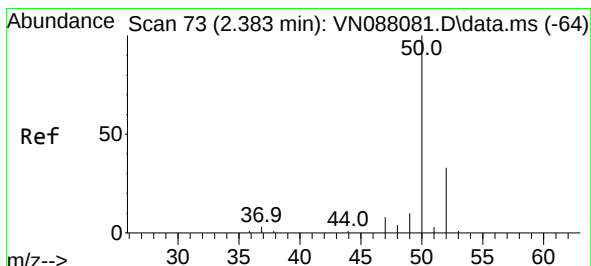
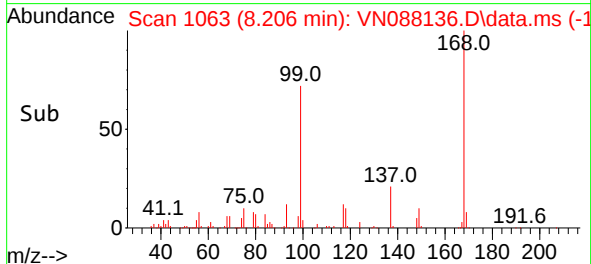
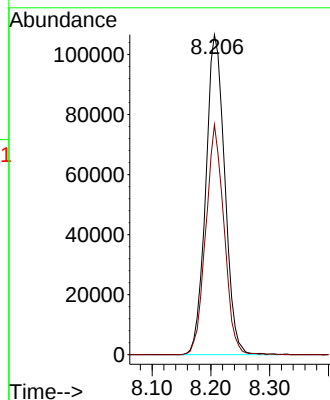
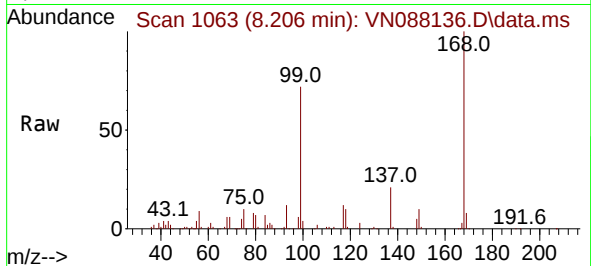




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. 0.000 min
Lab File: VN088136.D
Acq: 28 Oct 2025 13:59

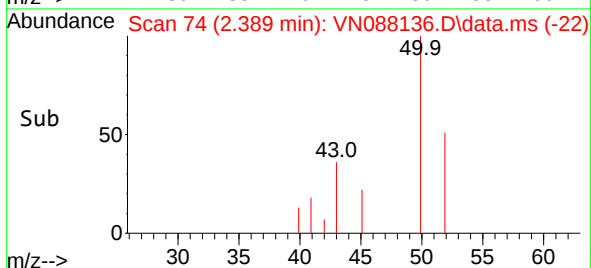
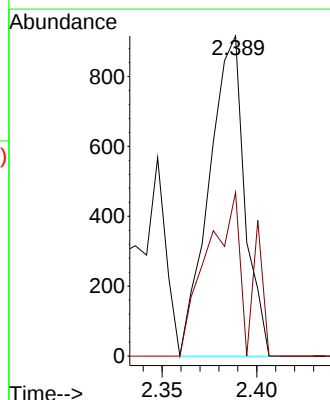
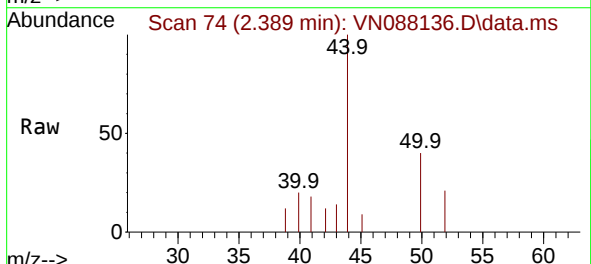
Instrument :
MSVOA_N
ClientSampleId :
MW-12

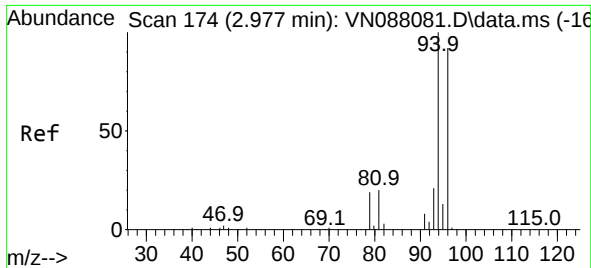
Tgt Ion:168 Resp: 238860
Ion Ratio Lower Upper
168 100
99 71.9 57.2 85.8



#3
Chloromethane
Concen: 0.378 ug/l
RT: 2.389 min Scan# 74
Delta R.T. 0.006 min
Lab File: VN088136.D
Acq: 28 Oct 2025 13:59

Tgt Ion: 50 Resp: 1198
Ion Ratio Lower Upper
50 100
52 51.2 26.2 39.4#

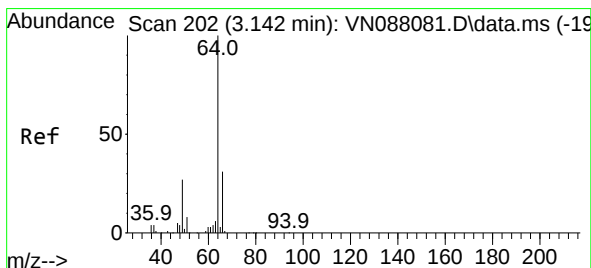
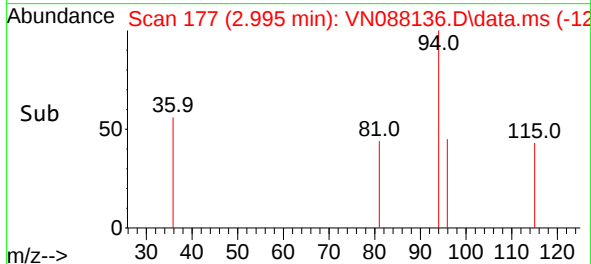
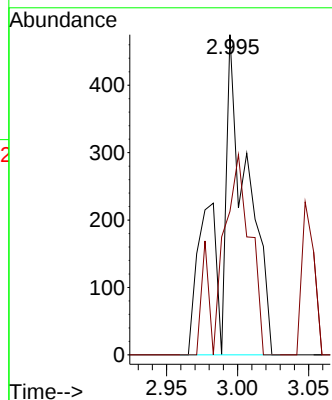
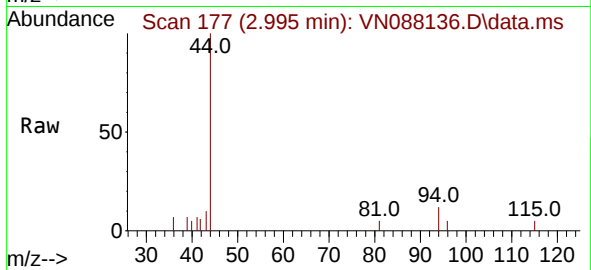




#5
Bromomethane
Concen: 0.332 ug/l
RT: 2.995 min Scan# 177
Delta R.T. 0.023 min
Lab File: VN088136.D
Acq: 28 Oct 2025 13:59

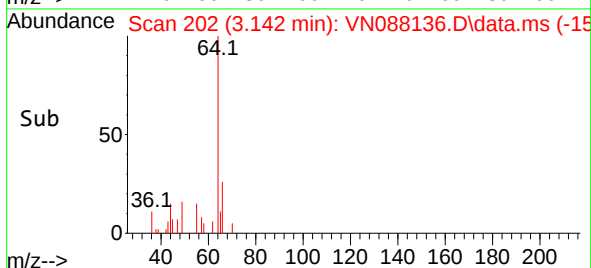
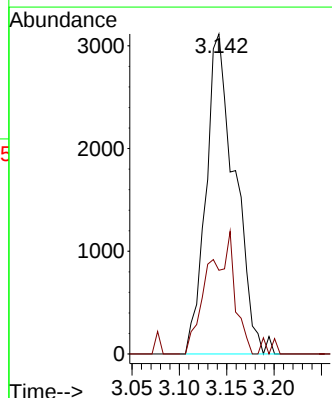
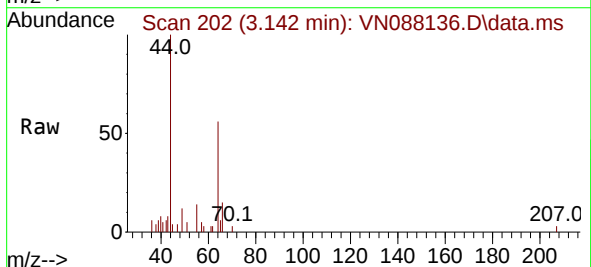
Instrument :
MSVOA_N
ClientSampleId :
MW-12

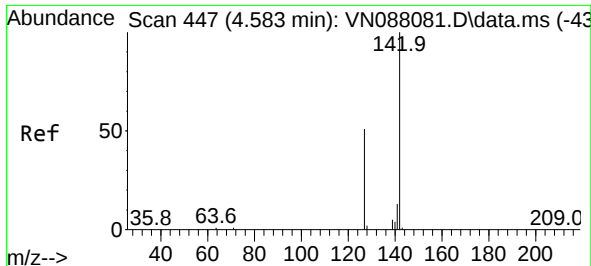
Tgt Ion: 94 Resp: 686
Ion Ratio Lower Upper
94 100
96 44.8 75.4 113.2#



#6
Chloroethane
Concen: 2.670 ug/l
RT: 3.142 min Scan# 202
Delta R.T. 0.006 min
Lab File: VN088136.D
Acq: 28 Oct 2025 13:59

Tgt Ion: 64 Resp: 6643
Ion Ratio Lower Upper
64 100
66 26.2 26.2 39.2

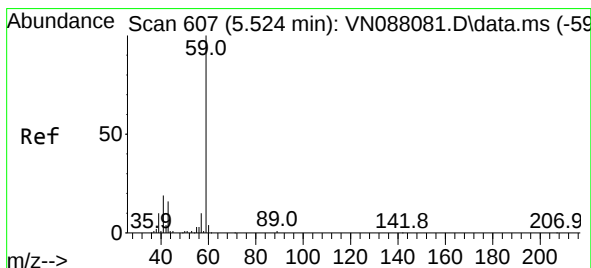
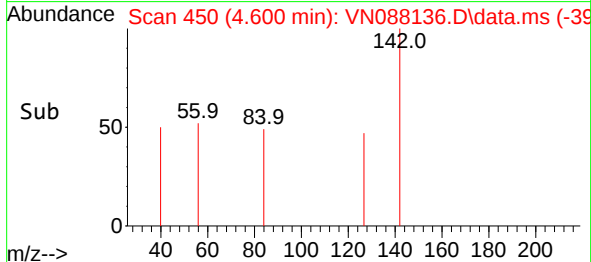
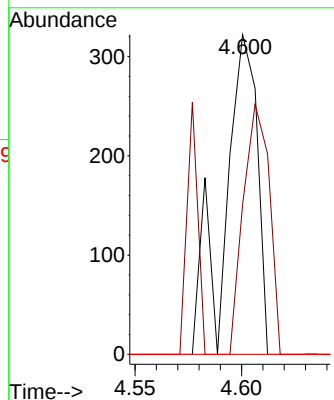
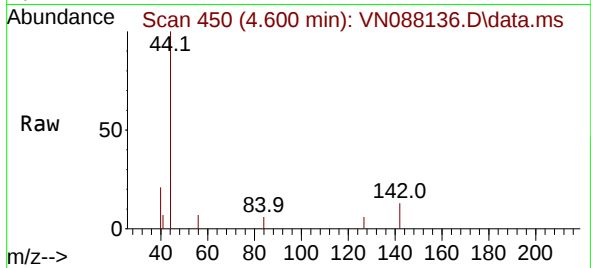




#10
Methyl Iodide
Concen: 4.323 ug/l
RT: 4.600 min Scan# 41
Delta R.T. 0.023 min
Lab File: VN088136.D
Acq: 28 Oct 2025 13:59

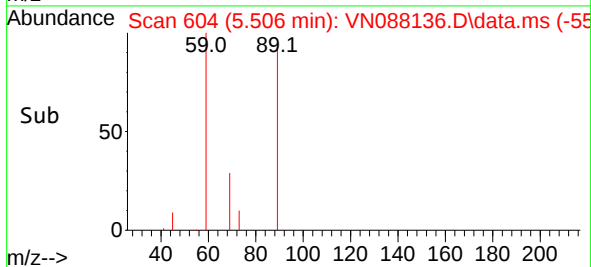
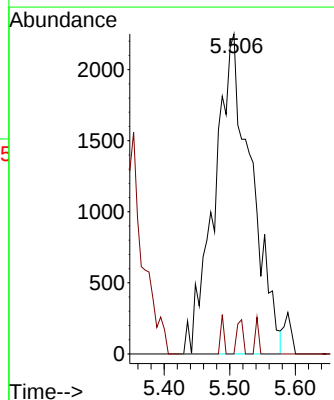
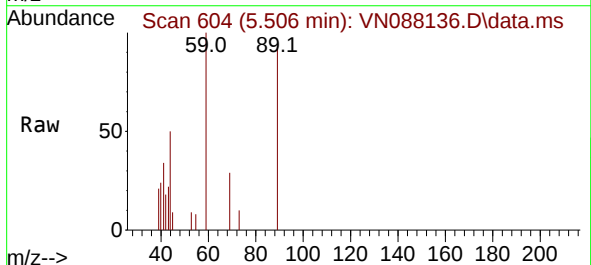
Instrument :
MSVOA_N
ClientSampleId :
MW-12

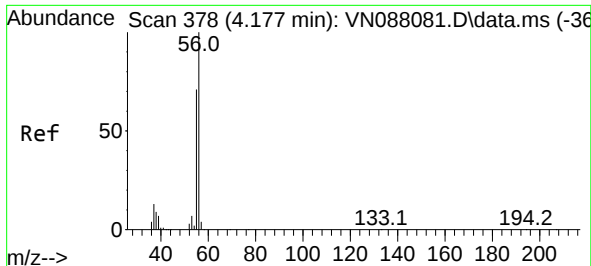
Tgt Ion:142 Resp: 342
Ion Ratio Lower Upper
142 100
127 46.9 38.0 57.0
141 0.0 12.0 18.0#



#11
Tert butyl alcohol
Concen: 12.322 ug/l
RT: 5.506 min Scan# 604
Delta R.T. -0.012 min
Lab File: VN088136.D
Acq: 28 Oct 2025 13:59

Tgt Ion: 59 Resp: 8768
Ion Ratio Lower Upper
59 100
57 0.0 9.0 13.4#





#13

Acrolein

Concen: 7.419 ug/l

RT: 4.153 min Scan# 31

Delta R.T. -0.018 min

Lab File: VN088136.D

Acq: 28 Oct 2025 13:59

Instrument :

MSVOA_N

ClientSampleId :

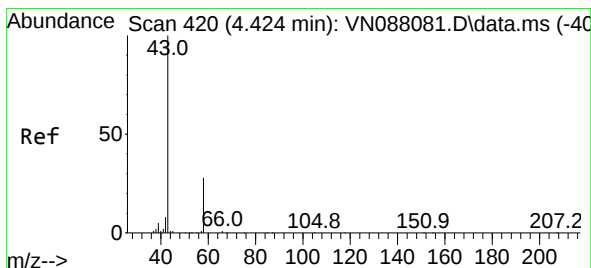
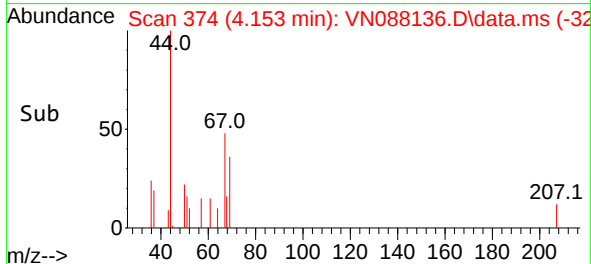
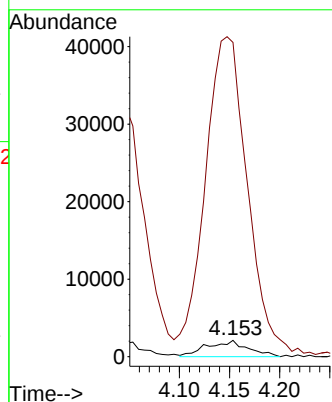
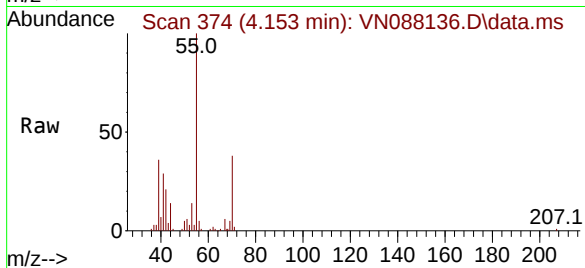
MW-12

Tgt Ion: 56 Resp: 5938

Ion Ratio Lower Upper

56 100

55 2015.5 57.3 85.9#



#16

Acetone

Concen: 60.877 ug/l

RT: 4.424 min Scan# 420

Delta R.T. -0.000 min

Lab File: VN088136.D

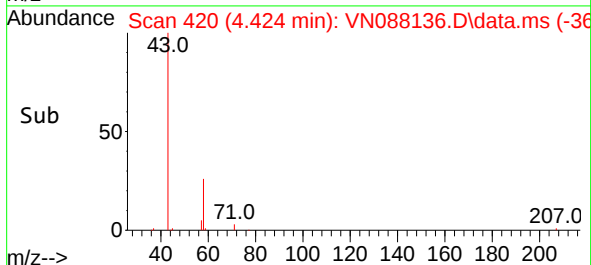
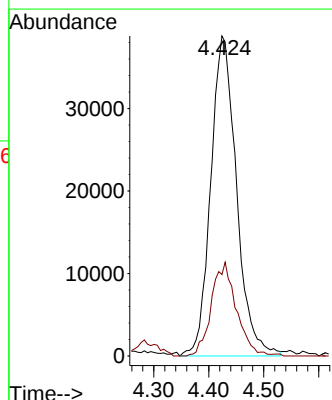
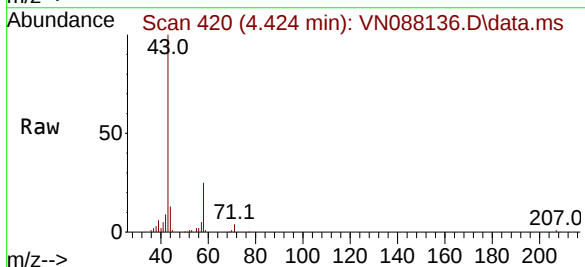
Acq: 28 Oct 2025 13:59

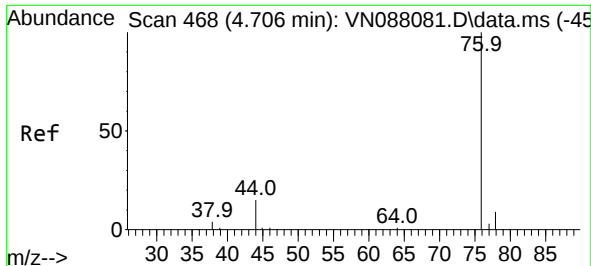
Tgt Ion: 43 Resp: 126322

Ion Ratio Lower Upper

43 100

58 25.4 22.6 33.8

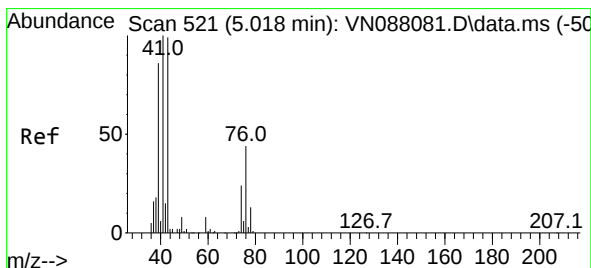
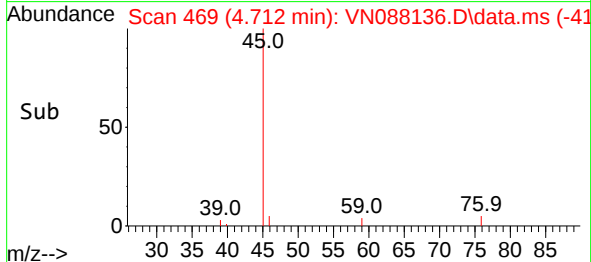
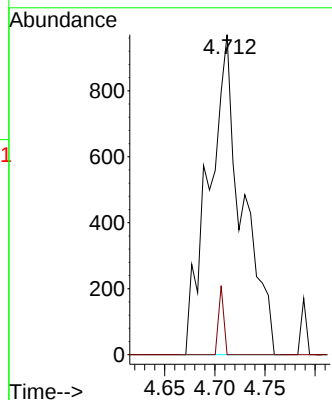
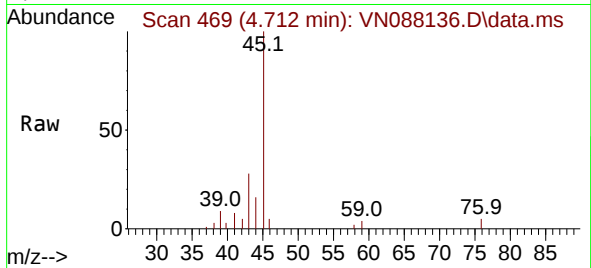




#17
Carbon Disulfide
Concen: 0.246 ug/l
RT: 4.712 min Scan# 411
Delta R.T. 0.012 min
Lab File: VN088136.D
Acq: 28 Oct 2025 13:59

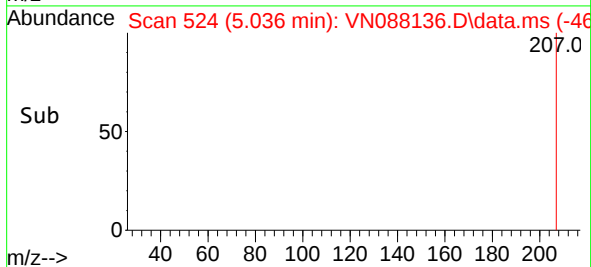
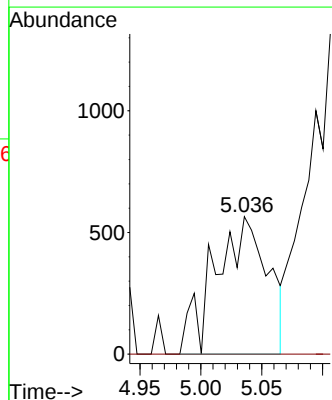
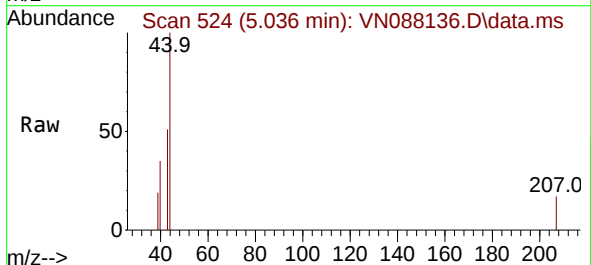
Instrument :
MSVOA_N
ClientSampleId :
MW-12

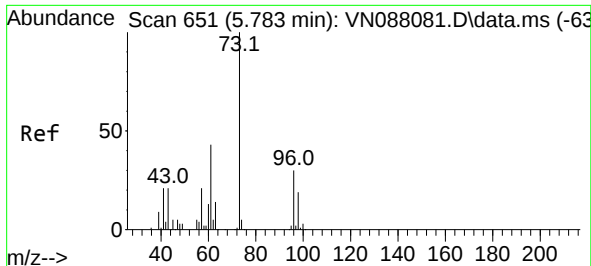
Tgt Ion: 76 Resp: 2248
Ion Ratio Lower Upper
76 100
78 0.0 7.6 11.4#



#18
Methyl Acetate
Concen: 0.401 ug/l
RT: 5.036 min Scan# 524
Delta R.T. 0.023 min
Lab File: VN088136.D
Acq: 28 Oct 2025 13:59

Tgt Ion: 43 Resp: 1705
Ion Ratio Lower Upper
43 100
74 0.0 17.6 26.4#

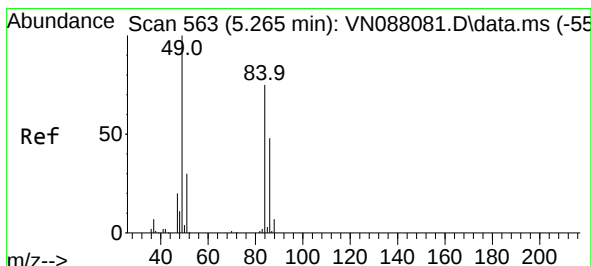
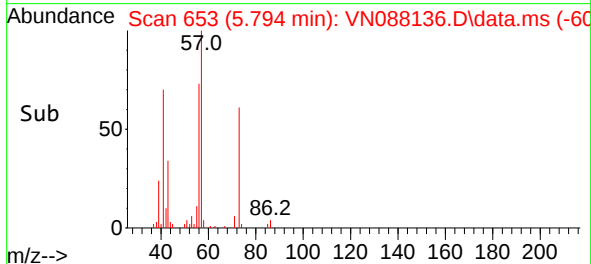
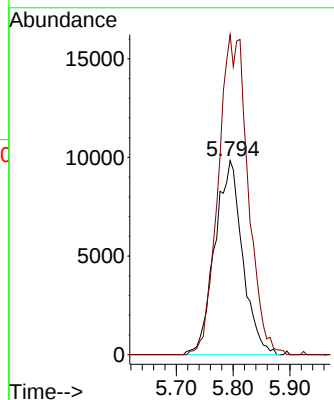
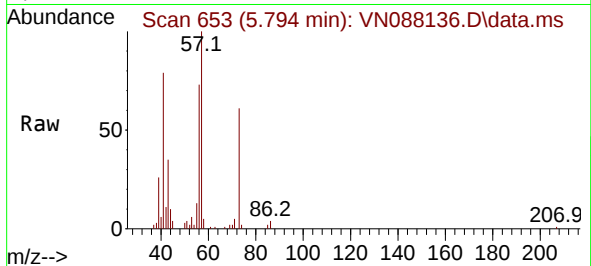




#19
Methyl tert-butyl Ether
Concen: 3.037 ug/l
RT: 5.794 min Scan# 61
Delta R.T. 0.006 min
Lab File: VN088136.D
Acq: 28 Oct 2025 13:59

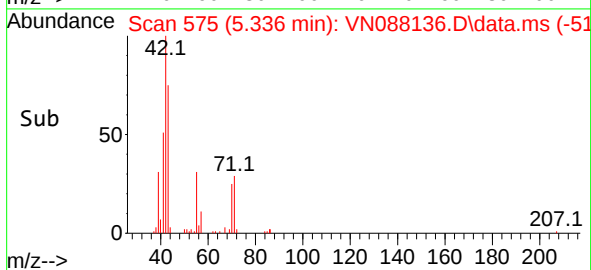
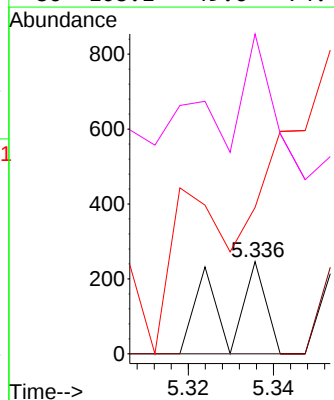
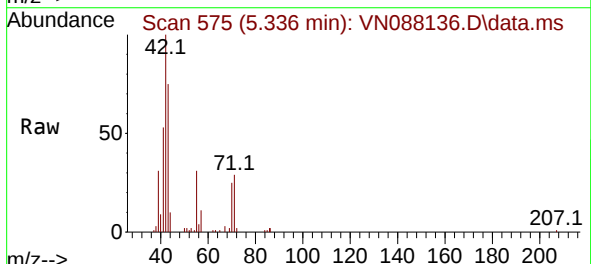
Instrument :
MSVOA_N
ClientSampleId :
MW-12

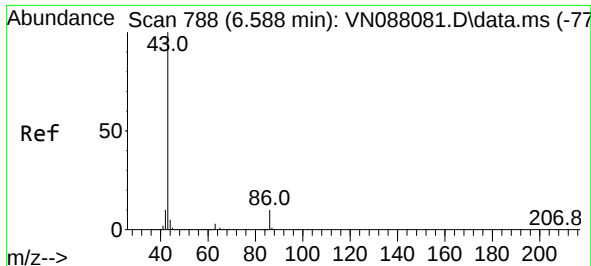
Tgt Ion: 73 Resp: 33488
Ion Ratio Lower Upper
73 100
57 164.8 18.4 27.6#



#20
Methylene Chloride
Concen: 0.824 ug/l
RT: 5.336 min Scan# 575
Delta R.T. 0.071 min
Lab File: VN088136.D
Acq: 28 Oct 2025 13:59

Tgt Ion: 84 Resp: 169
Ion Ratio Lower Upper
84 100
49 0.0 103.4 155.2#
51 0.0 33.8 50.8#
86 108.1 49.6 74.4#

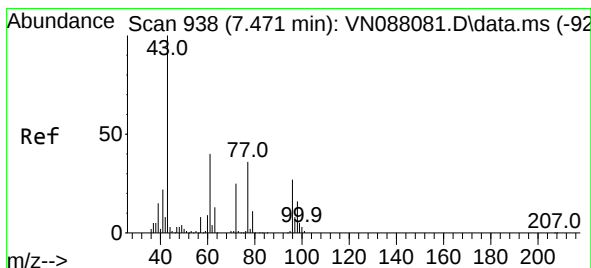
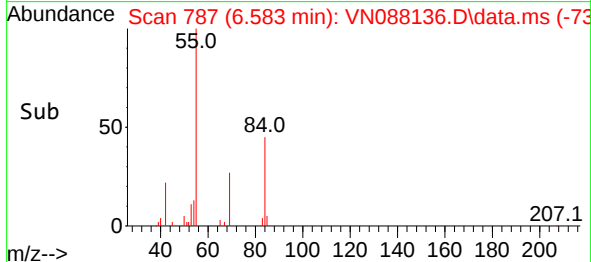
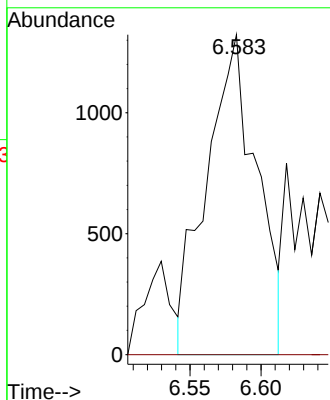
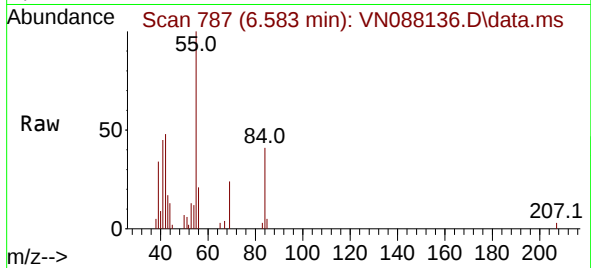




#23
 Vinyl Acetate
 Concen: 0.326 ug/l
 RT: 6.583 min Scan# 71
 Delta R.T. -0.006 min
 Lab File: VN088136.D
 Acq: 28 Oct 2025 13:59

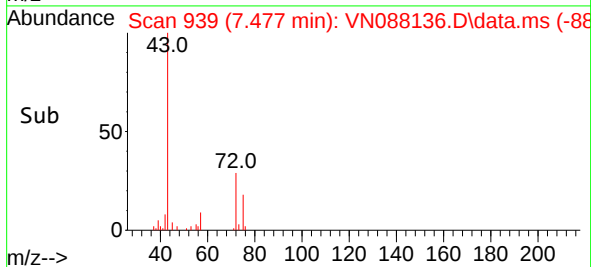
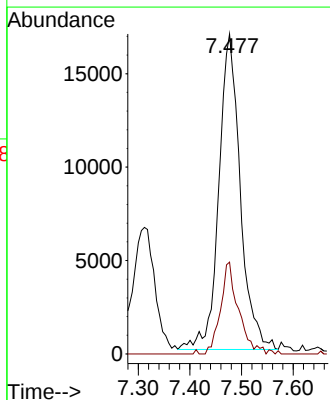
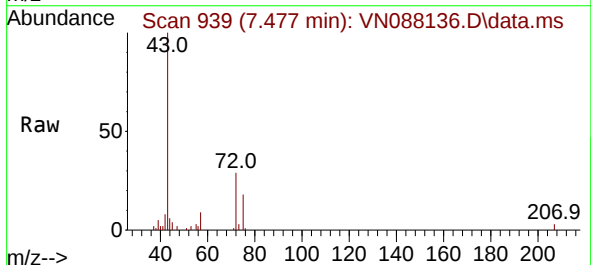
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-12

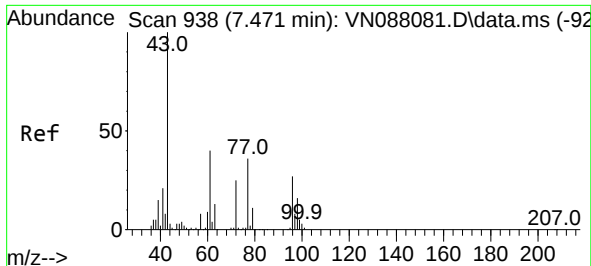
Tgt Ion: 43 Resp: 3254
 Ion Ratio Lower Upper
 43 100
 86 0.0 8.2 12.4#



#25
 2-Butanone
 Concen: 17.805 ug/l
 RT: 7.477 min Scan# 939
 Delta R.T. 0.012 min
 Lab File: VN088136.D
 Acq: 28 Oct 2025 13:59

Tgt Ion: 43 Resp: 48690
 Ion Ratio Lower Upper
 43 100
 72 29.1 19.9 29.9

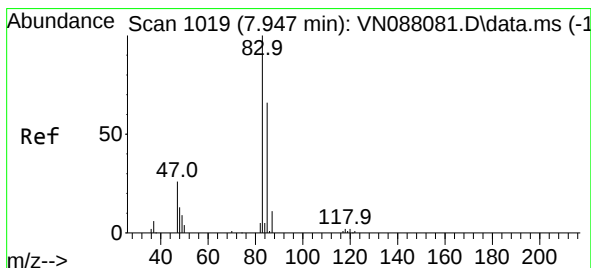
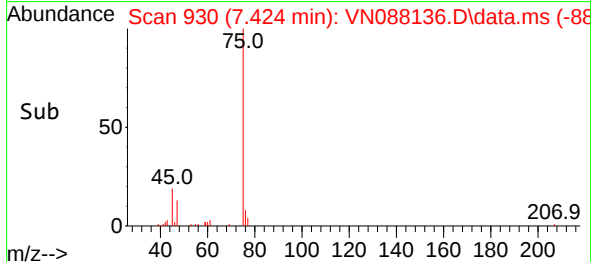
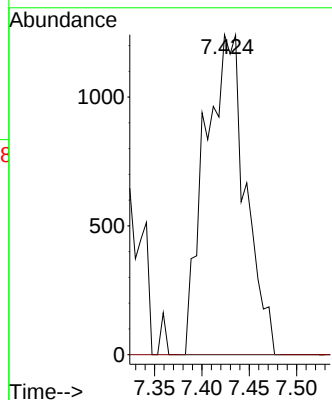
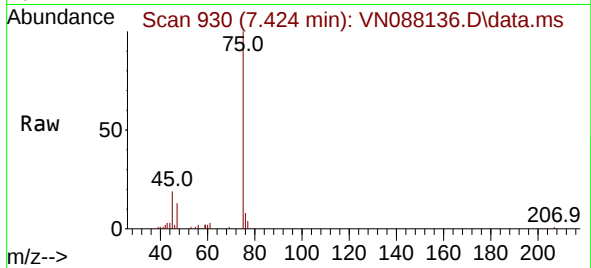




#26
2,2-Dichloropropane
Concen: 0.663 ug/l
RT: 7.424 min Scan# 91
Delta R.T. -0.053 min
Lab File: VN088136.D
Acq: 28 Oct 2025 13:59

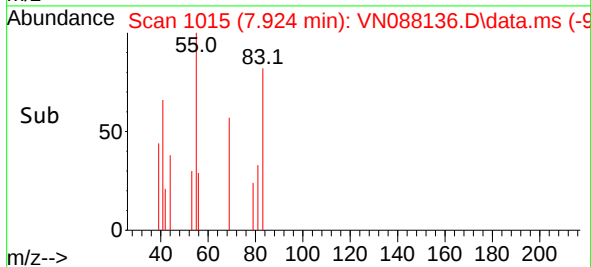
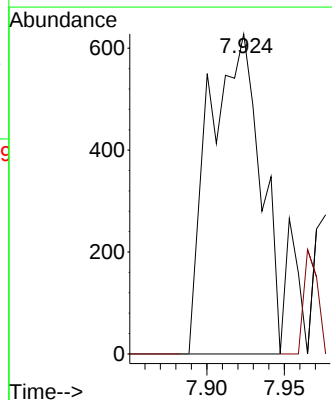
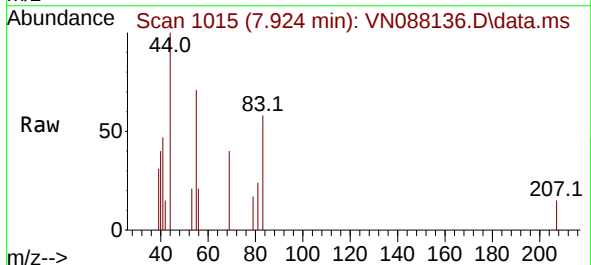
Instrument :
MSVOA_N
ClientSampleId :
MW-12

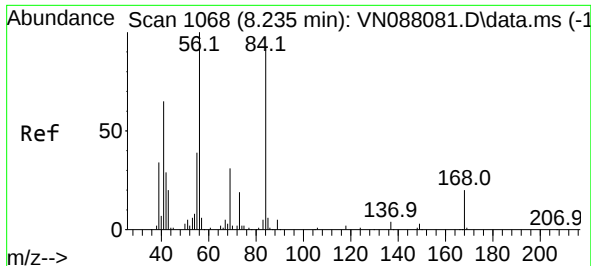
Tgt Ion: 77 Resp: 3696
Ion Ratio Lower Upper
77 100
97 0.0 10.9 32.7#



#30
Chloroform
Concen: 0.234 ug/l
RT: 7.924 min Scan# 1015
Delta R.T. -0.024 min
Lab File: VN088136.D
Acq: 28 Oct 2025 13:59

Tgt Ion: 83 Resp: 1436
Ion Ratio Lower Upper
83 100
85 0.0 50.7 76.1#

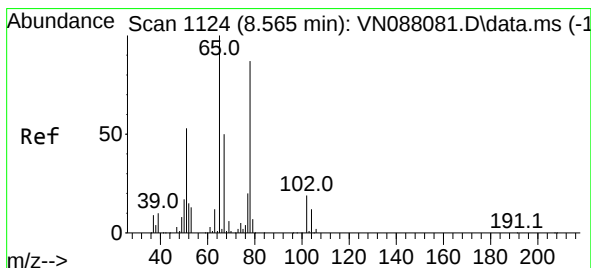
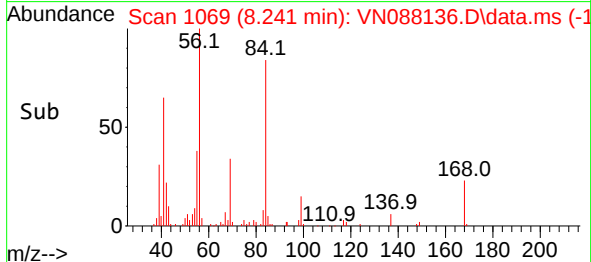
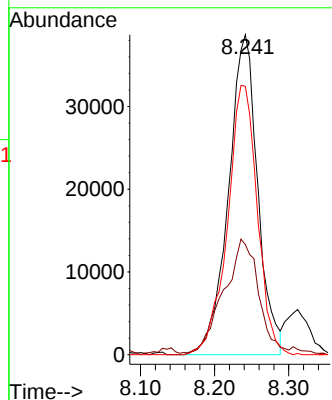
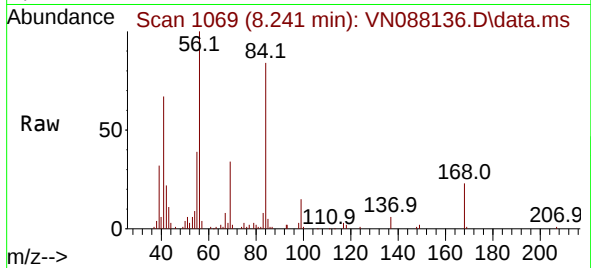




#31
Cyclohexane
Concen: 18.349 ug/l
RT: 8.241 min Scan# 1068
Delta R.T. 0.006 min
Lab File: VN088136.D
Acq: 28 Oct 2025 13:59

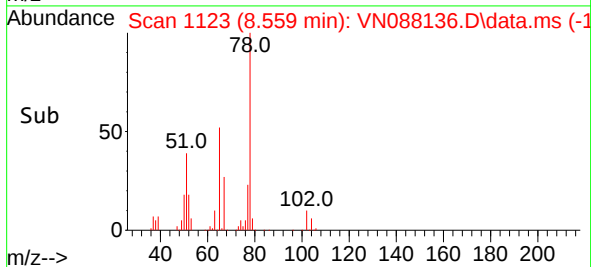
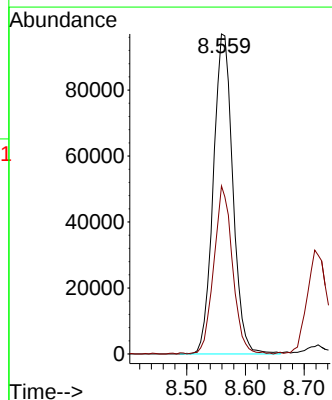
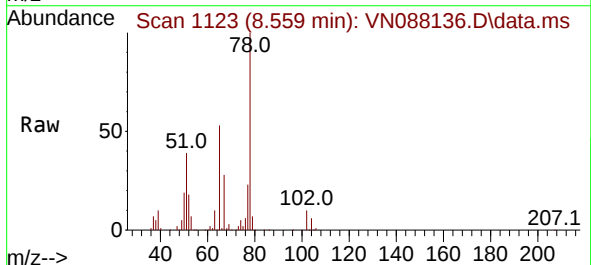
Instrument :
MSVOA_N
ClientSampleId :
MW-12

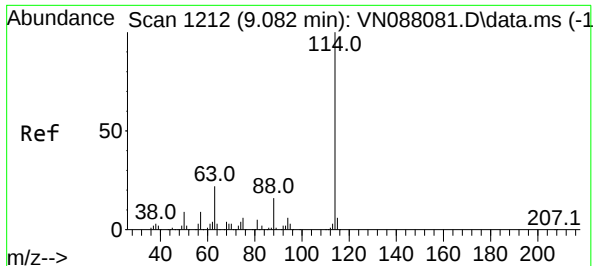
Tgt Ion: 56 Resp: 106088
Ion Ratio Lower Upper
56 100
69 34.0 23.7 35.5
84 83.9 64.7 97.1



#33
1,2-Dichloroethane-d4
Concen: 54.159 ug/l
RT: 8.559 min Scan# 1123
Delta R.T. -0.000 min
Lab File: VN088136.D
Acq: 28 Oct 2025 13:59

Tgt Ion: 65 Resp: 223698
Ion Ratio Lower Upper
65 100
67 50.4 0.0 100.0

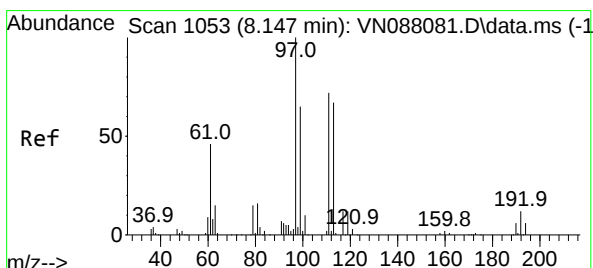
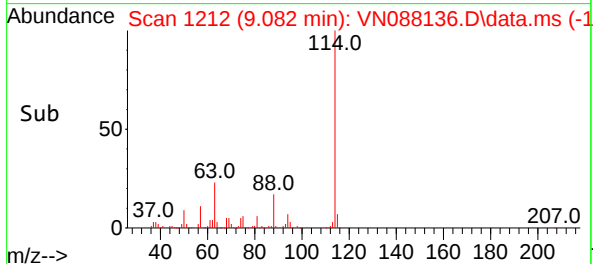
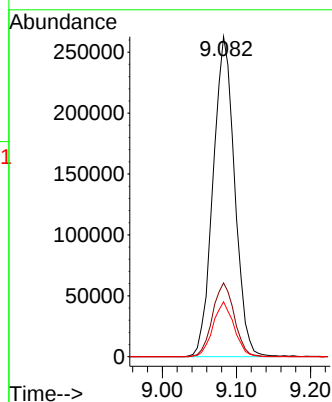
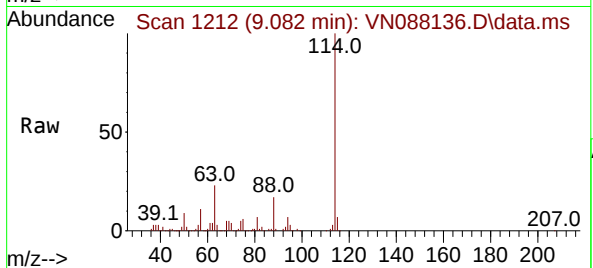




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.082 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN088136.D
Acq: 28 Oct 2025 13:59

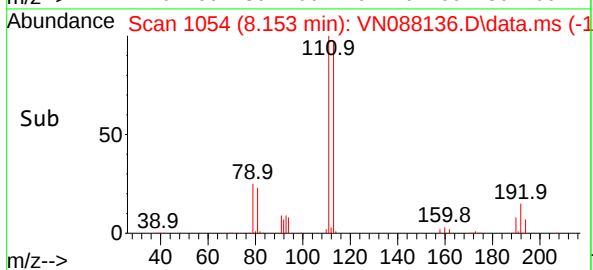
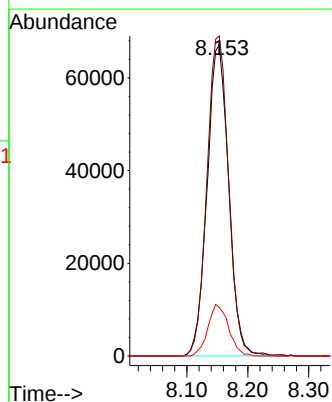
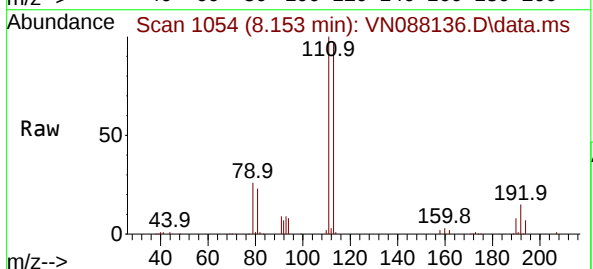
Instrument :
MSVOA_N
ClientSampleId :
MW-12

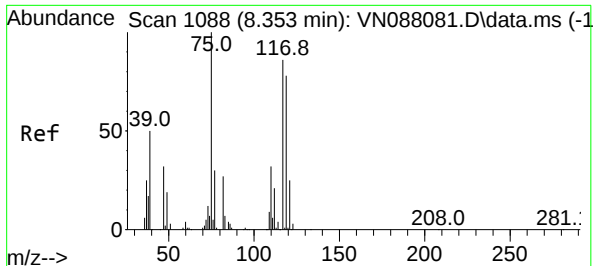
Tgt Ion:114 Resp: 531874
Ion Ratio Lower Upper
114 100
63 23.1 0.0 45.2
88 17.2 0.0 33.4



#35
Dibromofluoromethane
Concen: 45.971 ug/l
RT: 8.153 min Scan# 1054
Delta R.T. -0.000 min
Lab File: VN088136.D
Acq: 28 Oct 2025 13:59

Tgt Ion:113 Resp: 164260
Ion Ratio Lower Upper
113 100
111 103.9 82.8 124.2
192 16.0 12.8 19.2





#36

1,1-Dichloropropene

Concen: 4.890 ug/l

RT: 8.200 min Scan# 1

Delta R.T. -0.153 min

Lab File: VN088136.D

Acq: 28 Oct 2025 13:59

Instrument :

MSVOA_N

ClientSampleId :

MW-12

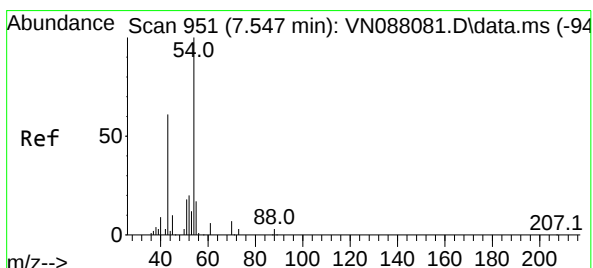
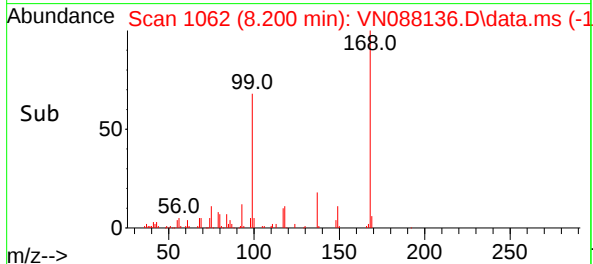
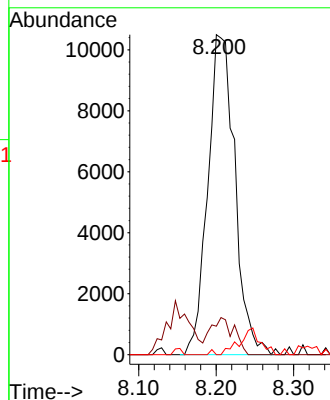
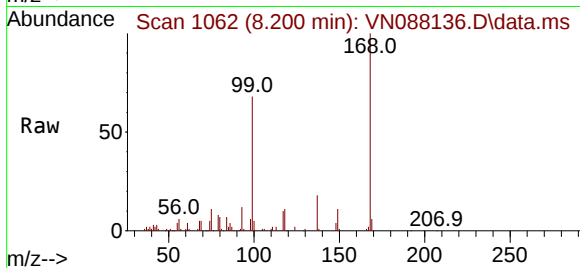
Tgt Ion: 75 Resp: 25512

Ion Ratio Lower Upper

75 100

110 10.1 15.9 47.6#

77 0.0 24.4 36.6#



#37

Ethyl Acetate

Concen: 7.232 ug/l

RT: 7.477 min Scan# 939

Delta R.T. -0.071 min

Lab File: VN088136.D

Acq: 28 Oct 2025 13:59

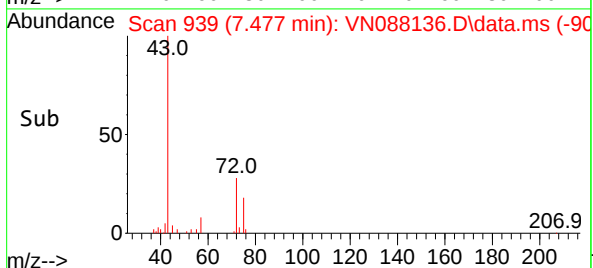
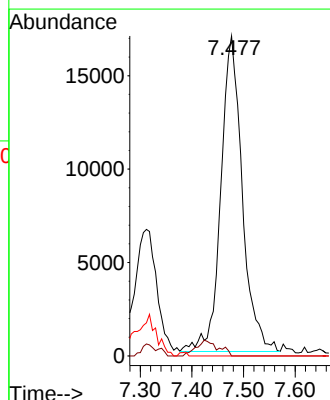
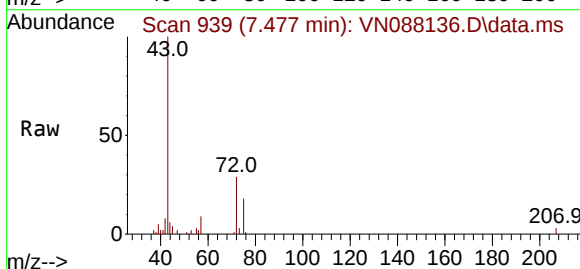
Tgt Ion: 43 Resp: 48690

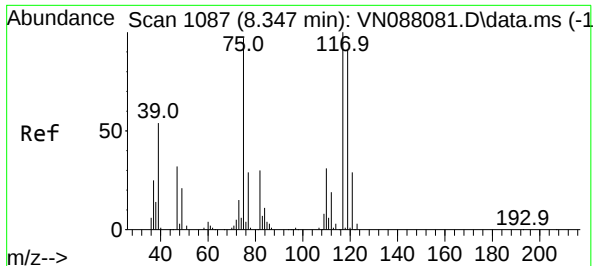
Ion Ratio Lower Upper

43 100

61 0.0 9.3 13.9#

70 0.0 7.0 10.6#

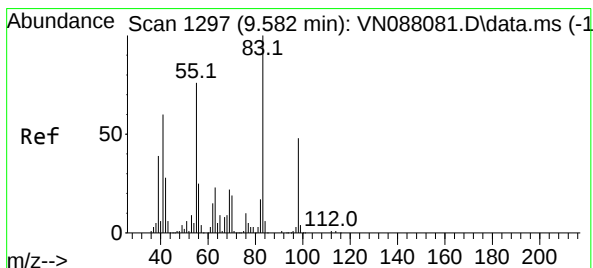
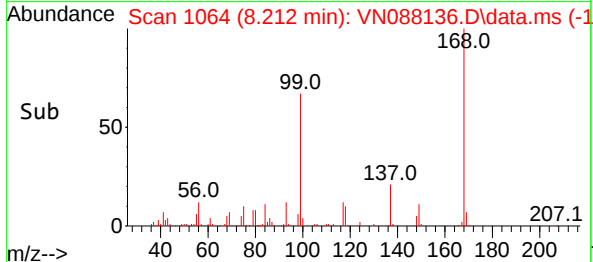
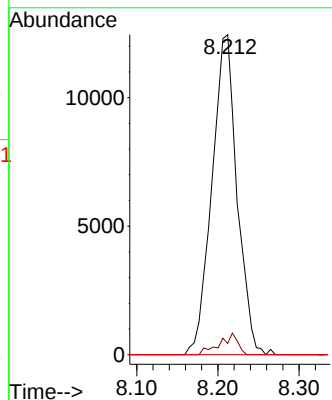
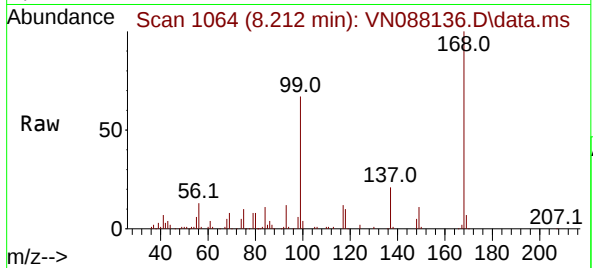




#38
Carbon Tetrachloride
Concen: 4.984 ug/l
RT: 8.212 min Scan# 1064
Delta R.T. -0.129 min
Lab File: VN088136.D
Acq: 28 Oct 2025 13:59

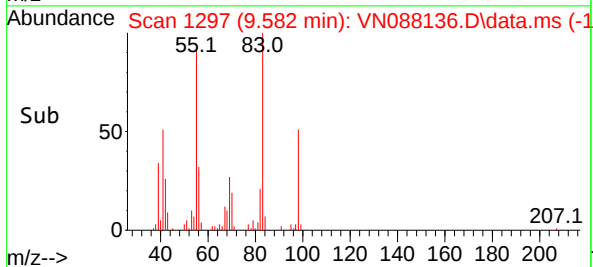
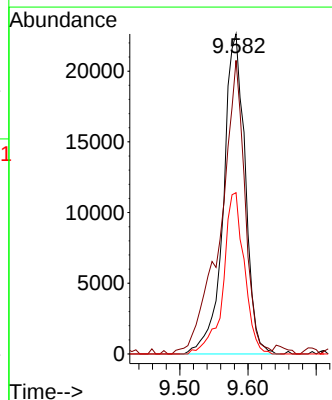
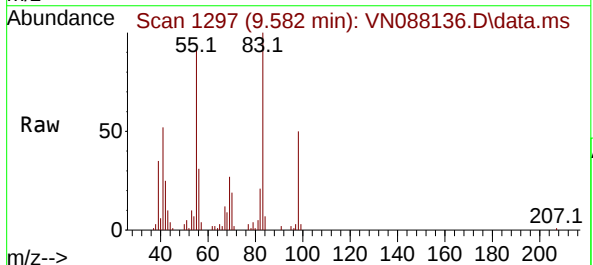
Instrument :
MSVOA_N
ClientSampleId :
MW-12

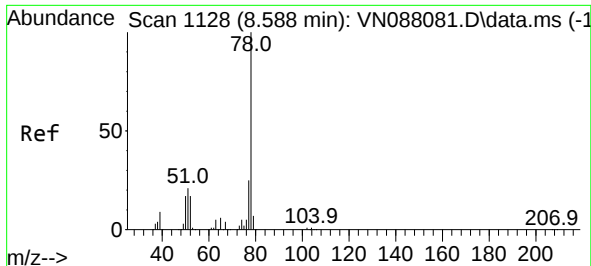
Tgt Ion: 117 Resp: 26855
Ion Ratio Lower Upper
117 100
119 3.5 79.0 118.6#
121 0.0 25.0 37.6#



#39
Methylcyclohexane
Concen: 7.498 ug/l
RT: 9.582 min Scan# 1297
Delta R.T. -0.000 min
Lab File: VN088136.D
Acq: 28 Oct 2025 13:59

Tgt Ion: 83 Resp: 50285
Ion Ratio Lower Upper
83 100
55 90.2 64.6 96.8
98 50.4 38.4 57.6

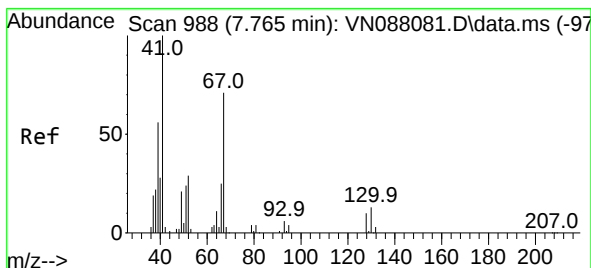
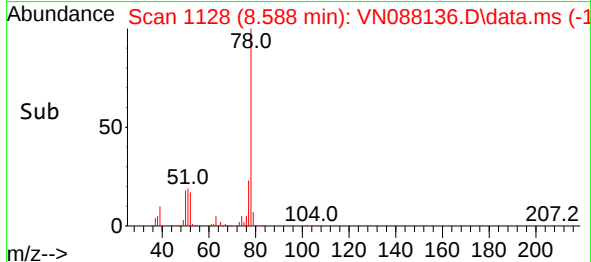
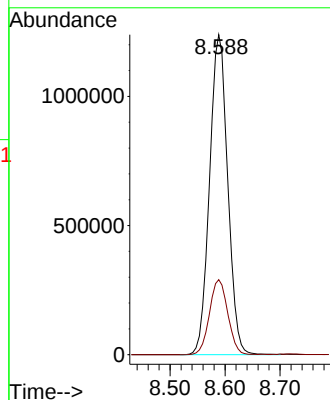
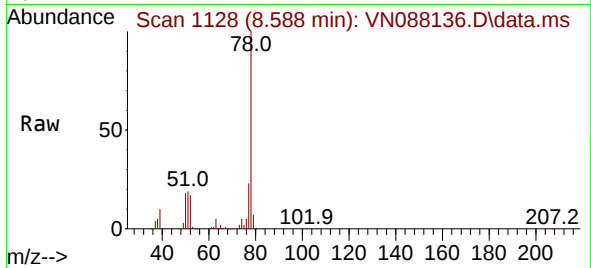




#40
Benzene
Concen: 178.557 ug/l
RT: 8.588 min Scan# 1128
Delta R.T. -0.000 min
Lab File: VN088136.D
Acq: 28 Oct 2025 13:59

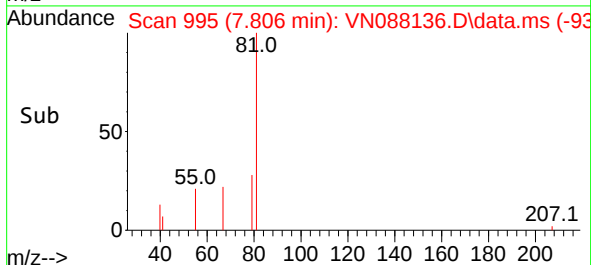
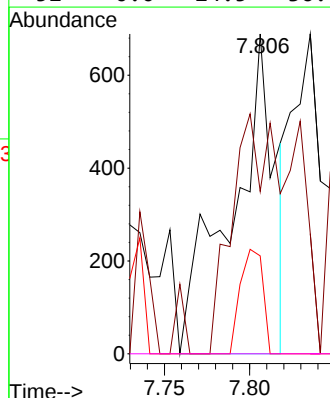
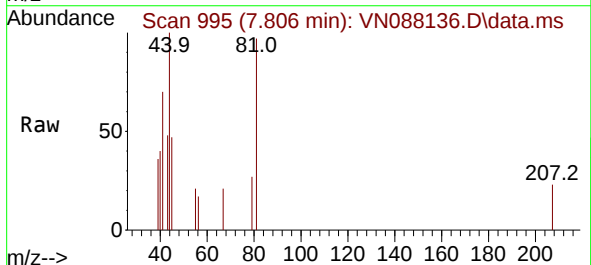
Instrument :
MSVOA_N
ClientSampleId :
MW-12

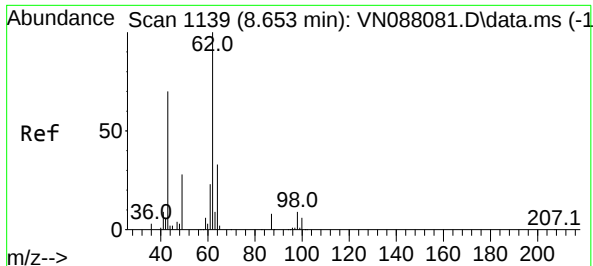
Tgt Ion: 78 Resp: 2837058
Ion Ratio Lower Upper
78 100
77 23.4 19.7 29.5



#41
Methacrylonitrile
Concen: 0.343 ug/l
RT: 7.806 min Scan# 995
Delta R.T. 0.047 min
Lab File: VN088136.D
Acq: 28 Oct 2025 13:59

Tgt Ion: 41 Resp: 1215
Ion Ratio Lower Upper
41 100
39 109.6 45.4 68.0#
67 0.0 55.3 82.9#
52 0.0 24.5 36.7#





#42

1,2-Dichloroethane

Concen: 1.343 ug/l

RT: 8.653 min Scan# 1139

Delta R.T. -0.000 min

Lab File: VN088136.D

Acq: 28 Oct 2025 13:59

Instrument :

MSVOA_N

ClientSampleId :

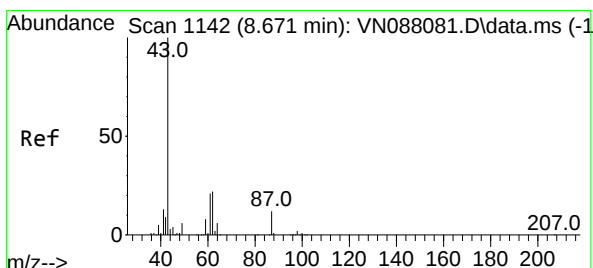
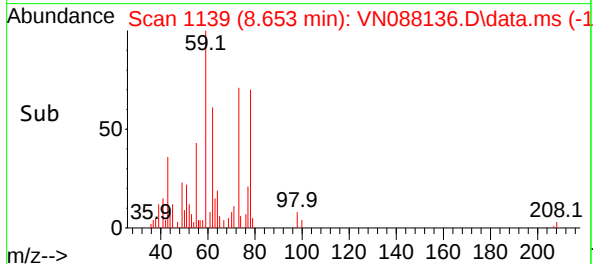
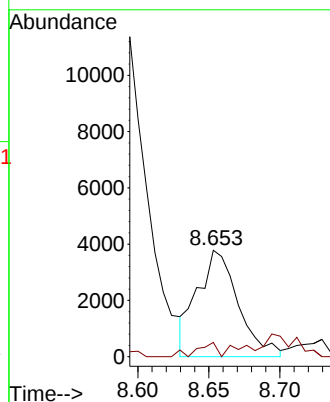
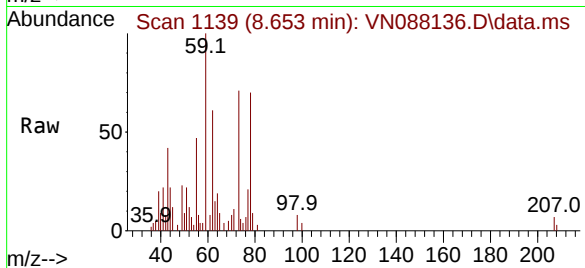
MW-12

Tgt Ion: 62 Resp: 7582

Ion Ratio Lower Upper

62 100

98 6.4 0.0 17.4



#43

Isopropyl Acetate

Concen: 0.687 ug/l

RT: 8.641 min Scan# 1137

Delta R.T. -0.029 min

Lab File: VN088136.D

Acq: 28 Oct 2025 13:59

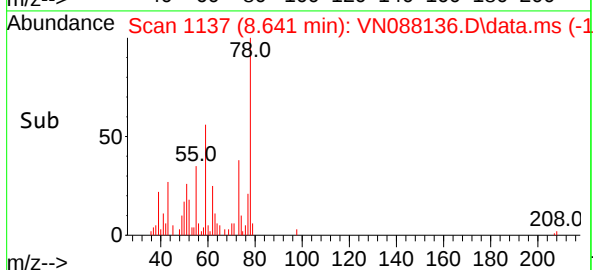
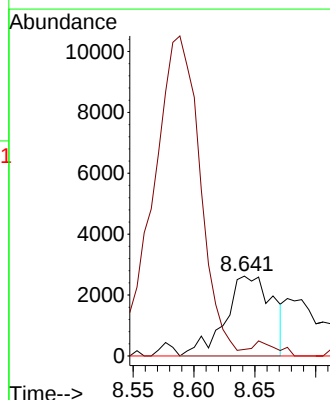
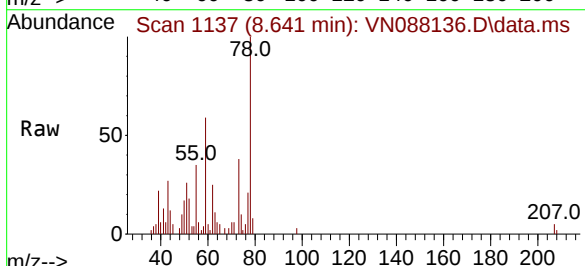
Tgt Ion: 43 Resp: 7104

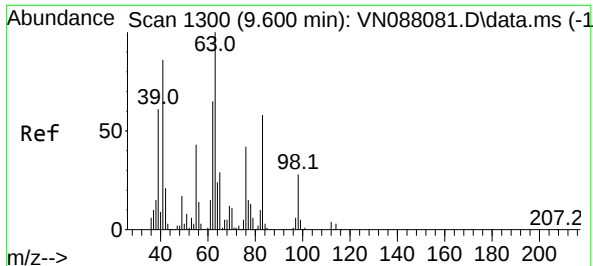
Ion Ratio Lower Upper

43 100

61 0.0 18.8 28.2#

87 0.0 9.6 14.4#





#45

1,2-Dichloropropane

Concen: 0.498 ug/l

RT: 9.588 min Scan# 1298

Delta R.T. -0.012 min

Lab File: VN088136.D

Acq: 28 Oct 2025 13:59

Instrument :

MSVOA_N

ClientSampleId :

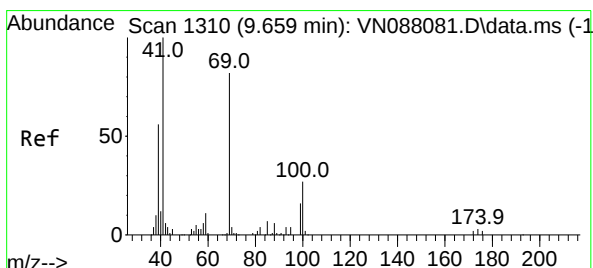
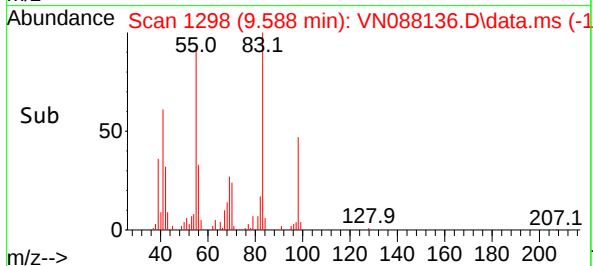
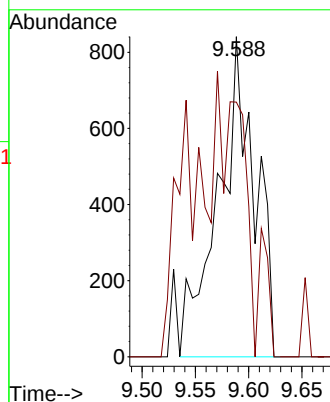
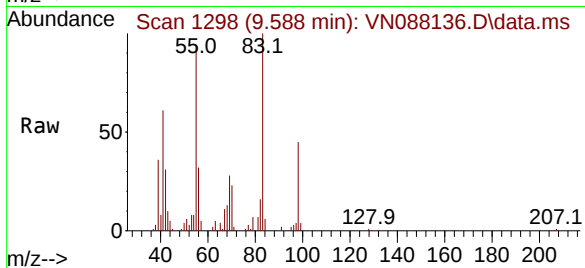
MW-12

Tgt Ion: 63 Resp: 1996

Ion Ratio Lower Upper

63 100

65 79.5 25.0 37.4#



#48

Methyl methacrylate

Concen: 7.497 ug/l

RT: 9.582 min Scan# 1297

Delta R.T. -0.082 min

Lab File: VN088136.D

Acq: 28 Oct 2025 13:59

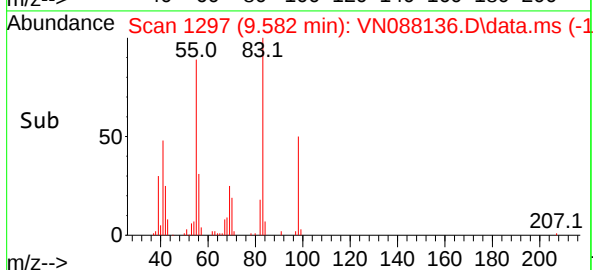
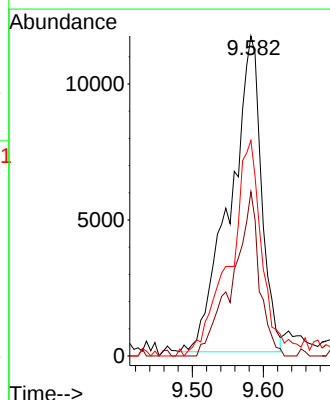
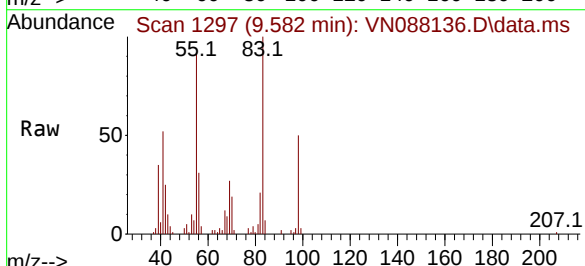
Tgt Ion: 41 Resp: 35808

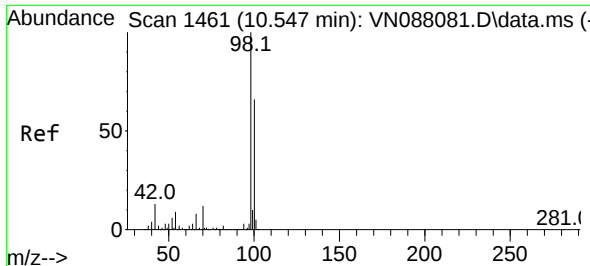
Ion Ratio Lower Upper

41 100

69 44.4 62.7 94.1#

39 70.8 52.9 79.3

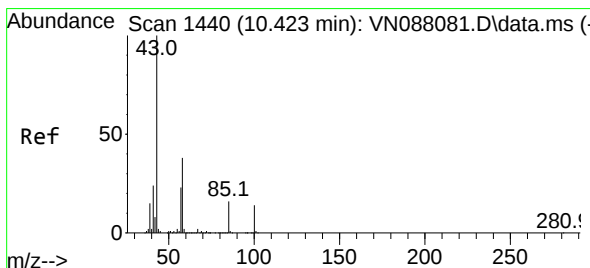
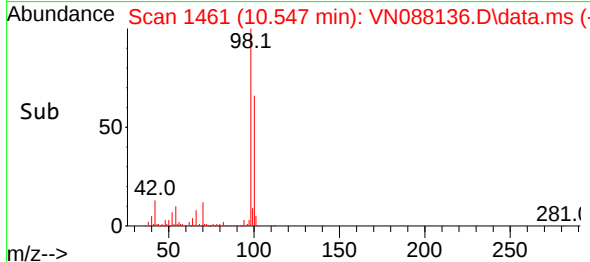
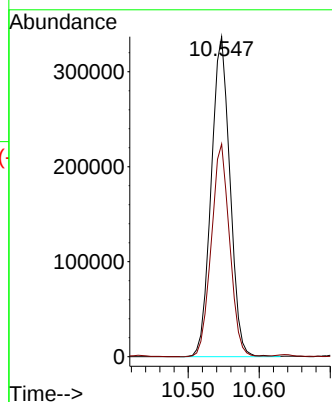
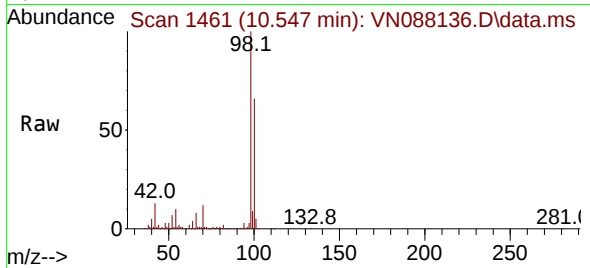




#50
Toluene-d8
Concen: 44.731 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. -0.000 min
Lab File: VN088136.D
Acq: 28 Oct 2025 13:59

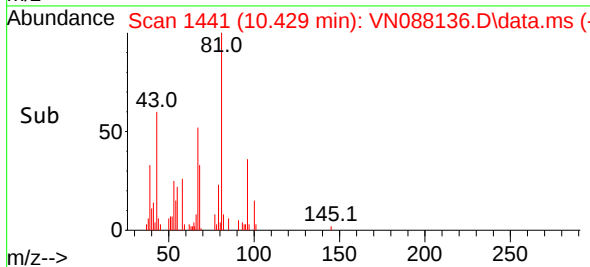
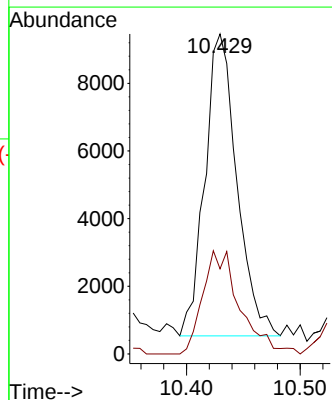
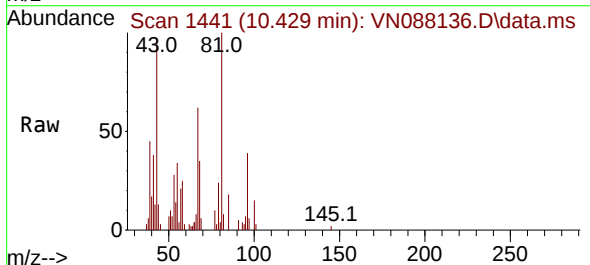
Instrument :
MSVOA_N
ClientSampleId :
MW-12

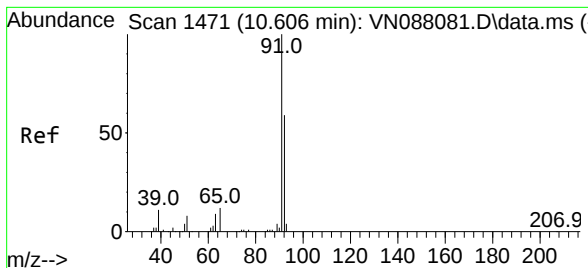
Tgt Ion: 98 Resp: 615854
Ion Ratio Lower Upper
98 100
100 65.1 52.8 79.2



#51
4-Methyl-2-Pentanone
Concen: 2.857 ug/l
RT: 10.429 min Scan# 1441
Delta R.T. 0.006 min
Lab File: VN088136.D
Acq: 28 Oct 2025 13:59

Tgt Ion: 43 Resp: 17485
Ion Ratio Lower Upper
43 100
58 39.6 29.6 44.4





#52

Toluene

Concen: 137.377 ug/l

RT: 10.606 min Scan# 1471

Delta R.T. -0.000 min

Lab File: VN088136.D

Acq: 28 Oct 2025 13:59

Instrument :

MSVOA_N

ClientSampleId :

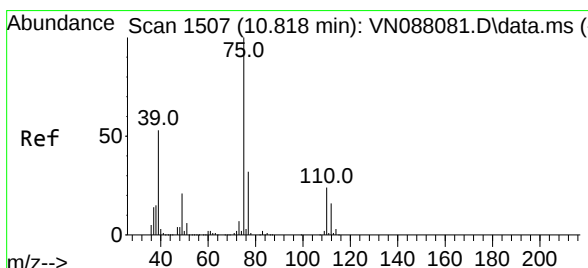
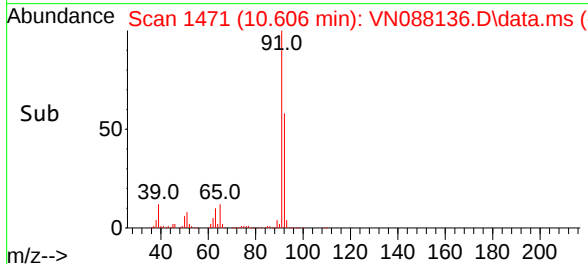
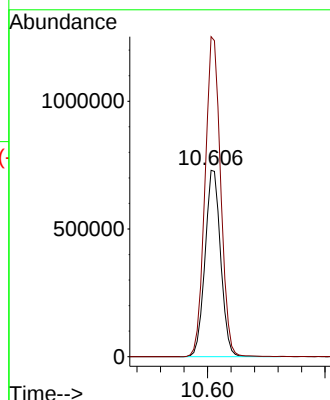
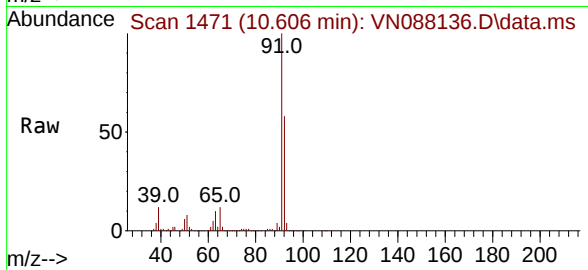
MW-12

Tgt Ion: 92 Resp: 1345771

Ion Ratio Lower Upper

92 100

91 172.2 140.4 210.6



#53

t-1,3-Dichloropropene

Concen: 2.810 ug/l

RT: 10.612 min Scan# 1472

Delta R.T. -0.206 min

Lab File: VN088136.D

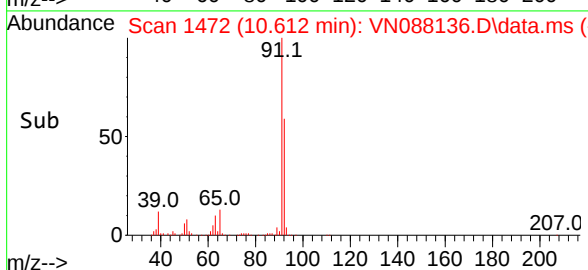
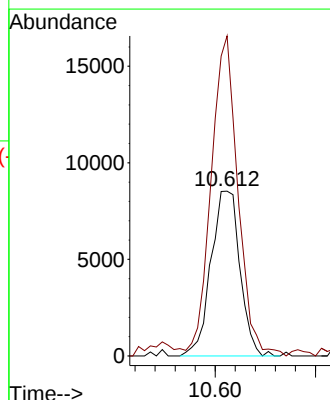
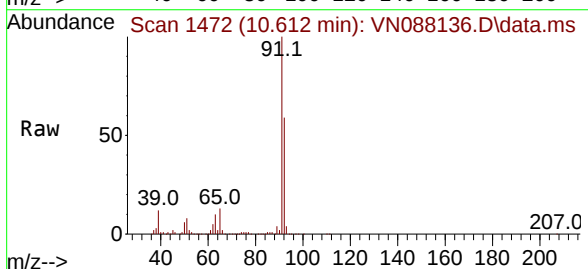
Acq: 28 Oct 2025 13:59

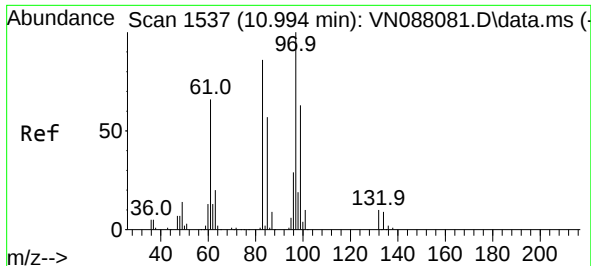
Tgt Ion: 75 Resp: 17133

Ion Ratio Lower Upper

75 100

77 191.4 25.2 37.8#

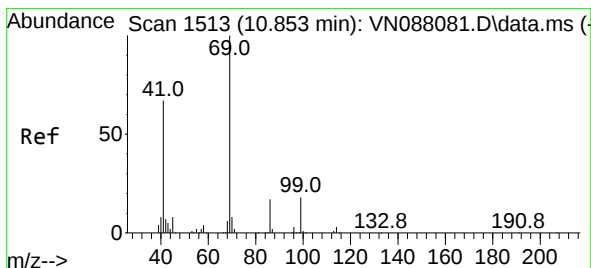
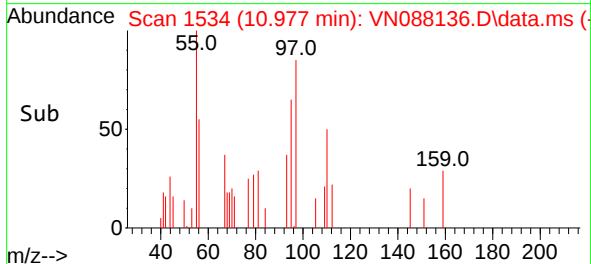
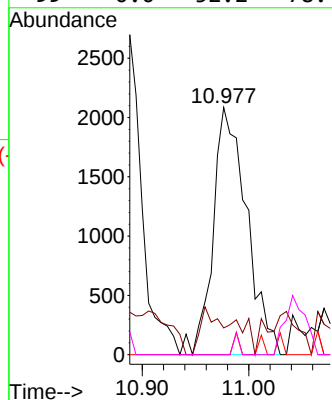
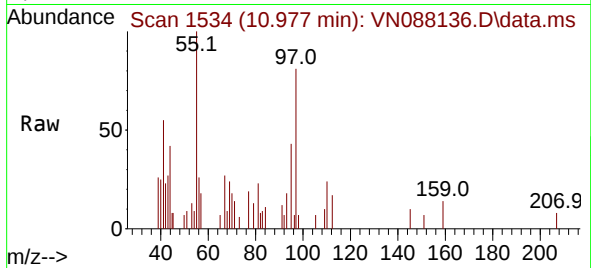




#55
1,1,2-Trichloroethane
Concen: 1.230 ug/l
RT: 10.977 min Scan# 1513
Delta R.T. -0.018 min
Lab File: VN088136.D
Acq: 28 Oct 2025 13:59

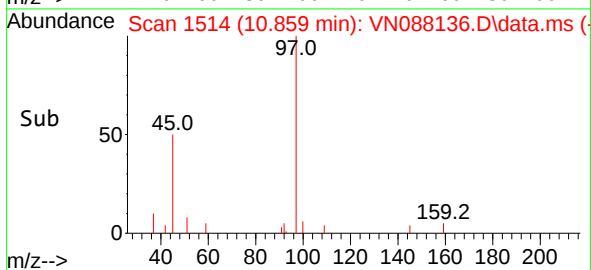
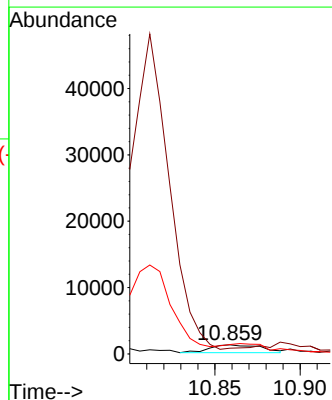
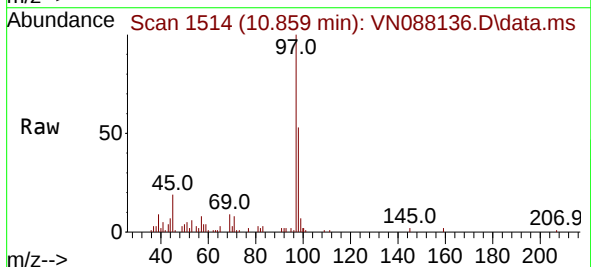
Instrument :
MSVOA_N
ClientSampleId :
MW-12

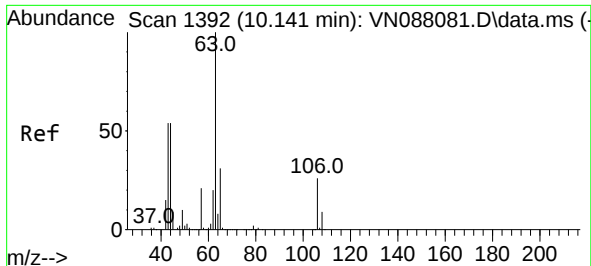
Tgt Ion: 97	Resp:	4571
Ion	Ratio	Lower Upper
97	100	
83	2.6	68.2 102.4#
85	0.0	45.5 68.3#
99	0.0	52.2 78.4#



#56
Ethyl methacrylate
Concen: 0.422 ug/l
RT: 10.859 min Scan# 1514
Delta R.T. 0.006 min
Lab File: VN088136.D
Acq: 28 Oct 2025 13:59

Tgt Ion: 69	Resp:	2482
Ion	Ratio	Lower Upper
69	100	
41	0.0	56.5 84.7#
39	0.0	34.2 51.4#

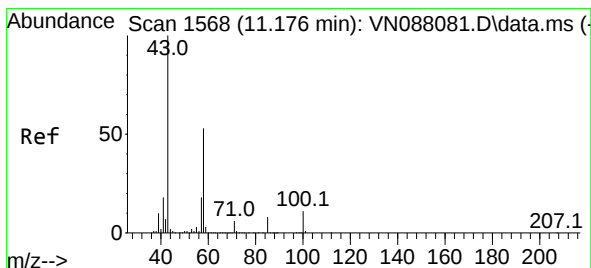
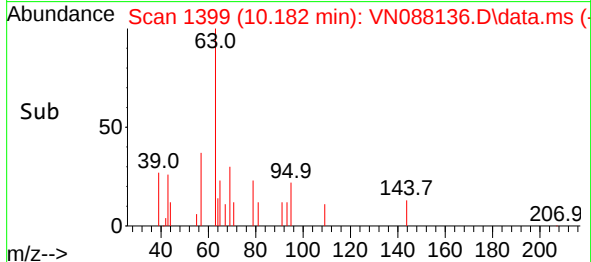
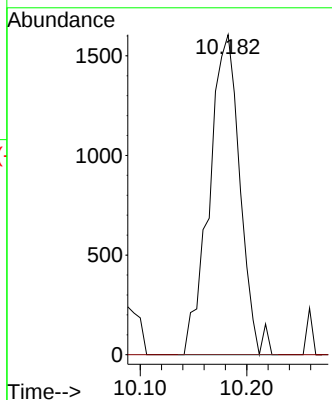
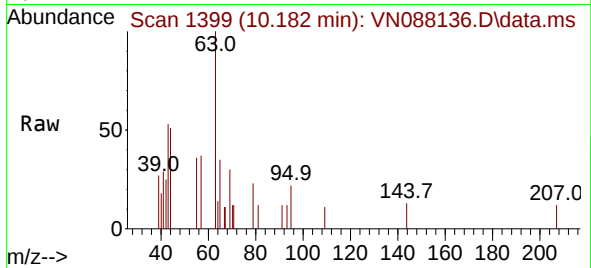




#58
2-Chloroethyl Vinyl ether
Concen: 1.047 ug/l
RT: 10.182 min Scan# 1399
Delta R.T. 0.041 min
Lab File: VN088136.D
Acq: 28 Oct 2025 13:59

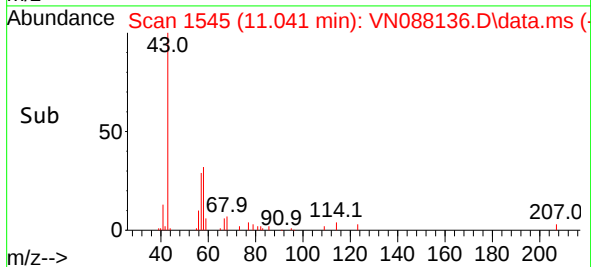
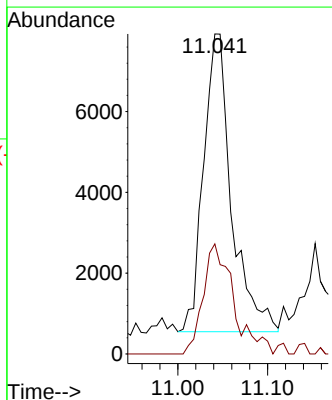
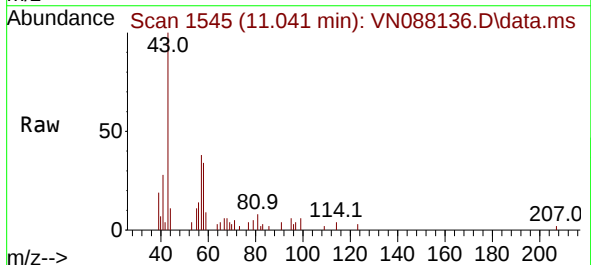
Instrument :
MSVOA_N
ClientSampleId :
MW-12

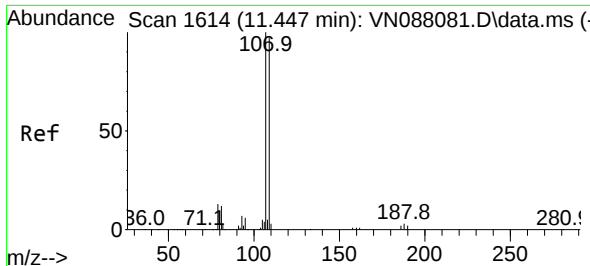
Tgt Ion: 63 Resp: 3204
Ion Ratio Lower Upper
63 100
106 0.0 21.1 31.7#



#59
2-Hexanone
Concen: 3.934 ug/l
RT: 11.041 min Scan# 1545
Delta R.T. -0.135 min
Lab File: VN088136.D
Acq: 28 Oct 2025 13:59

Tgt Ion: 43 Resp: 15971
Ion Ratio Lower Upper
43 100
58 40.2 25.9 77.8

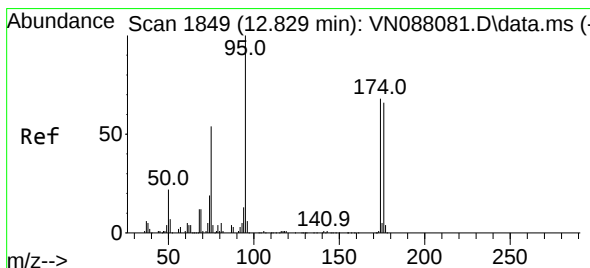
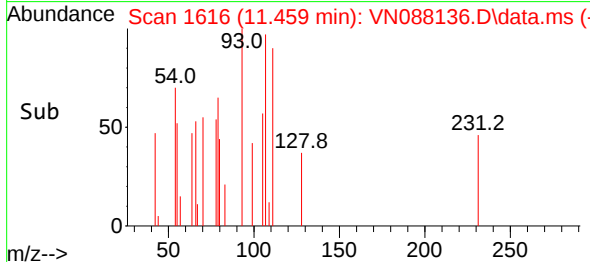
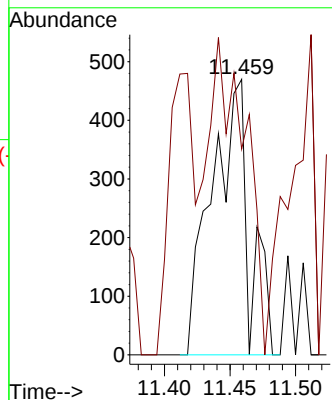
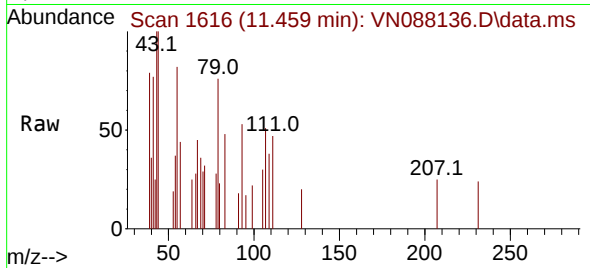




#61
1,2-Dibromoethane
Concen: 0.243 ug/l
RT: 11.459 min Scan# 1616
Delta R.T. 0.012 min
Lab File: VN088136.D
Acq: 28 Oct 2025 13:59

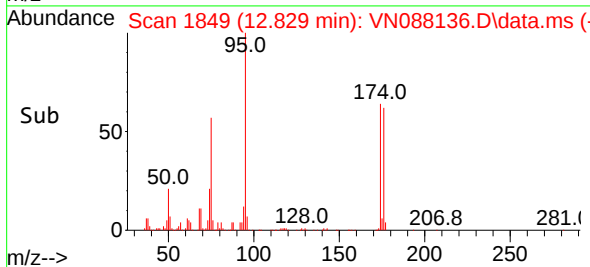
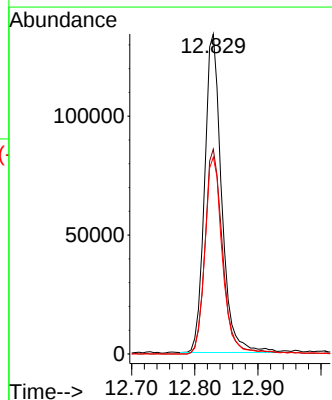
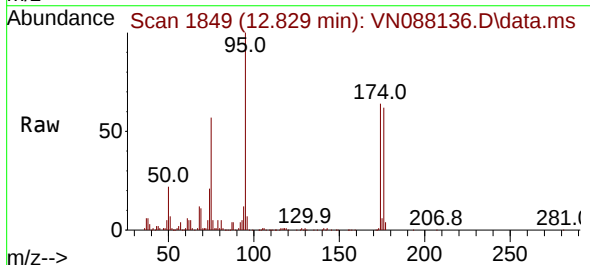
Instrument :
MSVOA_N
ClientSampleId :
MW-12

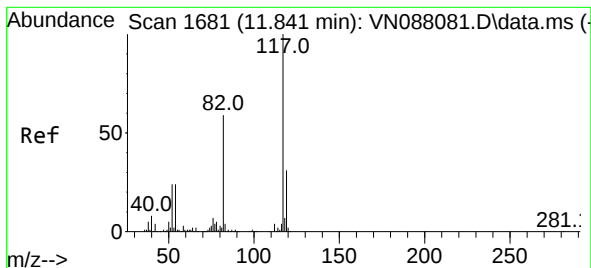
Tgt Ion:107 Resp: 929
Ion Ratio Lower Upper
107 100
109 106.2 74.7 112.1



#62
4-Bromofluorobenzene
Concen: 51.572 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.006 min
Lab File: VN088136.D
Acq: 28 Oct 2025 13:59

Tgt Ion: 95 Resp: 250761
Ion Ratio Lower Upper
95 100
174 66.4 0.0 138.4
176 63.7 0.0 132.6

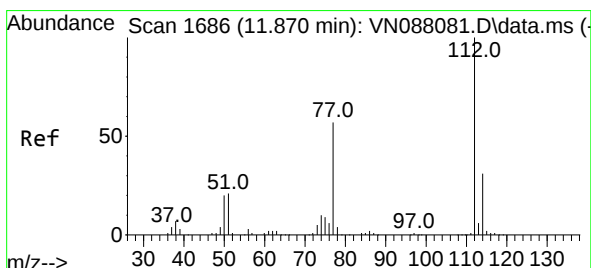
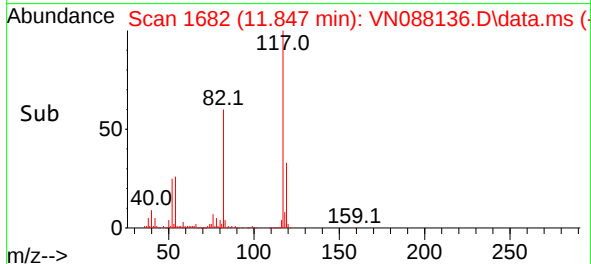
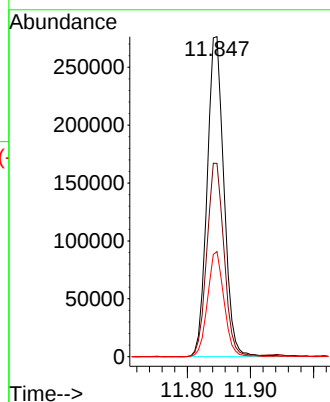
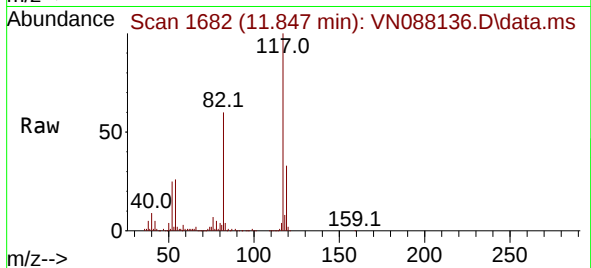




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.847 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN088136.D
Acq: 28 Oct 2025 13:59

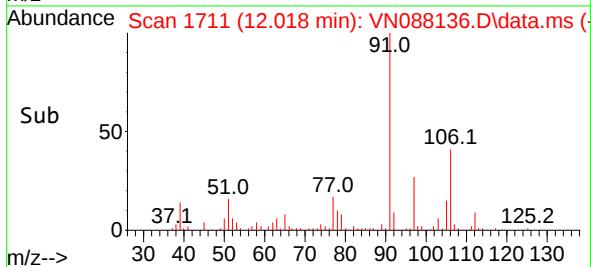
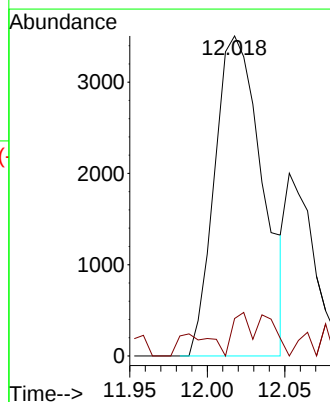
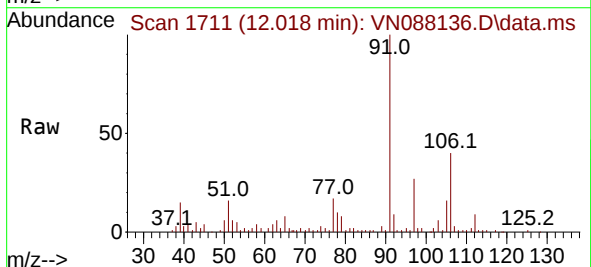
Instrument :
MSVOA_N
ClientSampleId :
MW-12

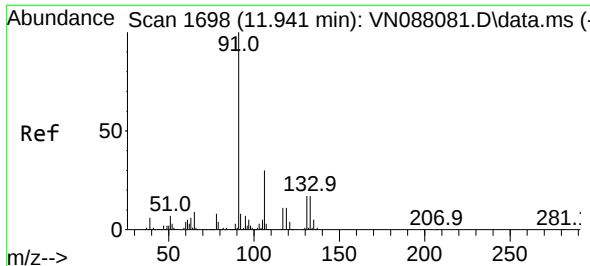
Tgt Ion:117 Resp: 512440
Ion Ratio Lower Upper
117 100
82 60.4 47.4 71.2
119 32.8 24.3 36.5



#65
Chlorobenzene
Concen: 0.642 ug/l
RT: 12.018 min Scan# 1711
Delta R.T. 0.147 min
Lab File: VN088136.D
Acq: 28 Oct 2025 13:59

Tgt Ion:112 Resp: 7475
Ion Ratio Lower Upper
112 100
114 6.2 24.3 36.5#

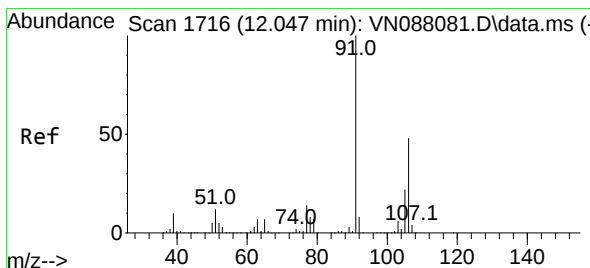
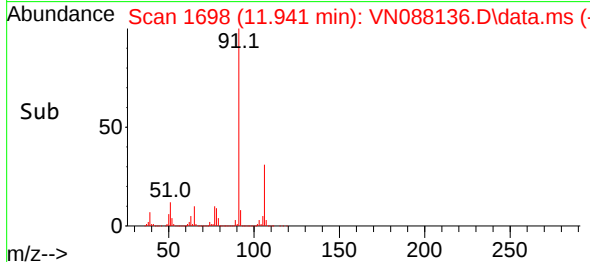
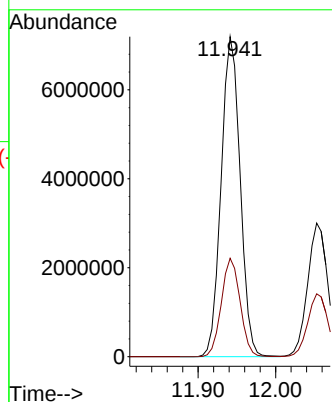
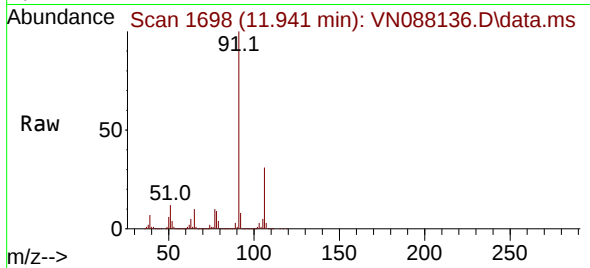




#67
Ethyl Benzene
Concen: 600.837 ug/l
RT: 11.941 min Scan# 1698
Delta R.T. -0.000 min
Lab File: VN088136.D
Acq: 28 Oct 2025 13:59

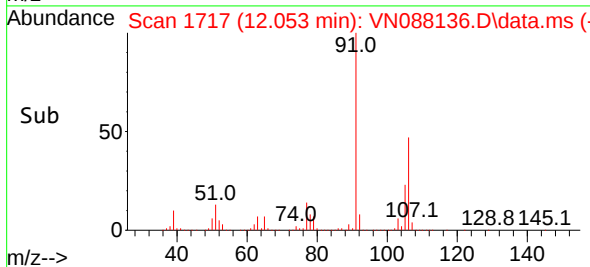
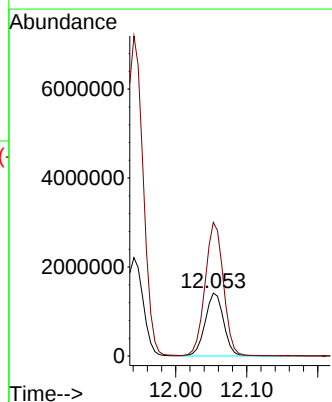
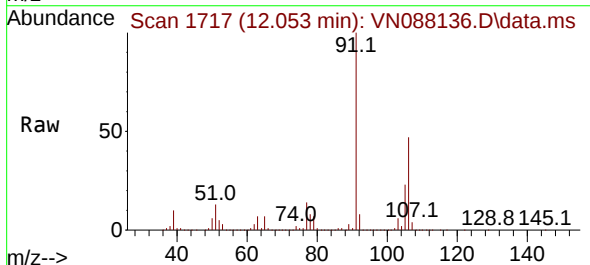
Instrument :
MSVOA_N
ClientSampleId :
MW-12

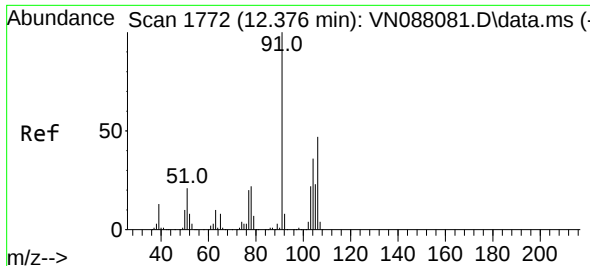
Tgt Ion: 91 Resp:12271883
Ion Ratio Lower Upper
91 100
106 30.7 24.1 36.1



#68
m/p-Xylenes
Concen: 332.284 ug/l
RT: 12.053 min Scan# 1717
Delta R.T. 0.006 min
Lab File: VN088136.D
Acq: 28 Oct 2025 13:59

Tgt Ion:106 Resp: 2542887
Ion Ratio Lower Upper
106 100
91 212.3 169.3 253.9

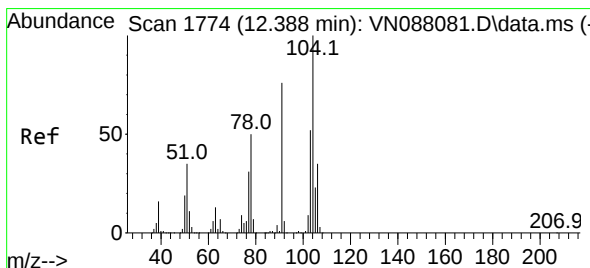
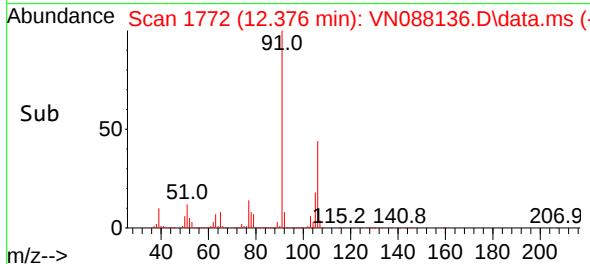
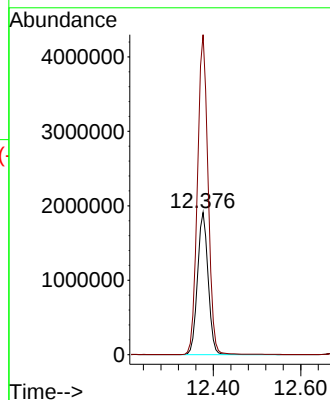
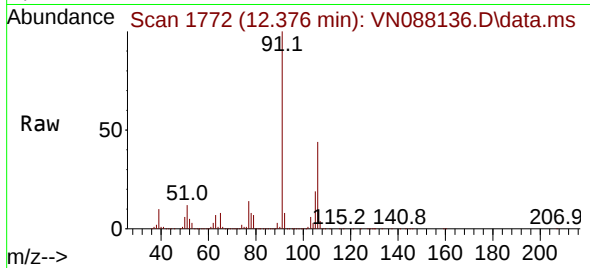




#69
o-Xylene
Concen: 444.252 ug/l
RT: 12.376 min Scan# 1772
Delta R.T. -0.000 min
Lab File: VN088136.D
Acq: 28 Oct 2025 13:59

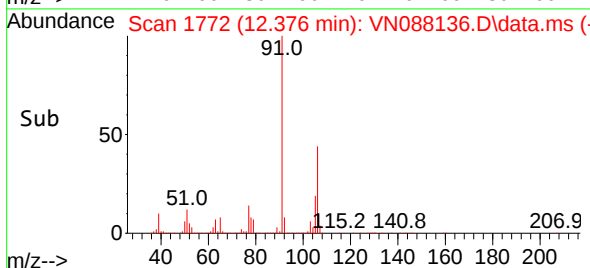
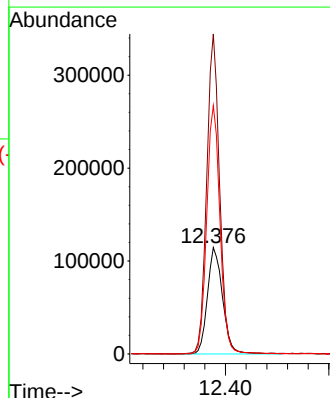
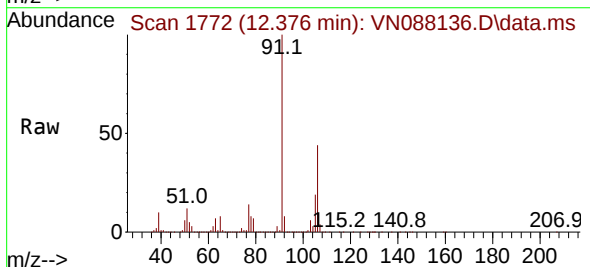
Instrument :
MSVOA_N
ClientSampleId :
MW-12

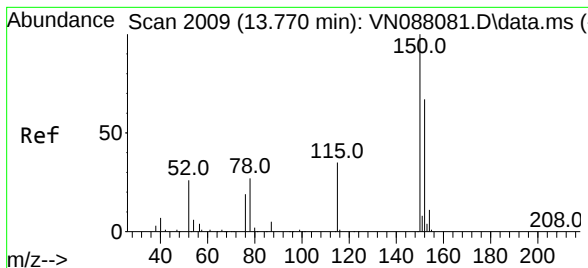
Tgt Ion:106 Resp: 3222847
Ion Ratio Lower Upper
106 100
91 225.3 111.4 334.2



#70
Styrene
Concen: 19.701 ug/l
RT: 12.376 min Scan# 1772
Delta R.T. -0.012 min
Lab File: VN088136.D
Acq: 28 Oct 2025 13:59

Tgt Ion:104 Resp: 233059
Ion Ratio Lower Upper
104 100
78 255.4 42.2 63.2#
103 205.8 43.4 65.2#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.770 min Scan# 2009

Delta R.T. 0.006 min

Lab File: VN088136.D

Acq: 28 Oct 2025 13:59

Instrument :

MSVOA_N

ClientSampleId :

MW-12

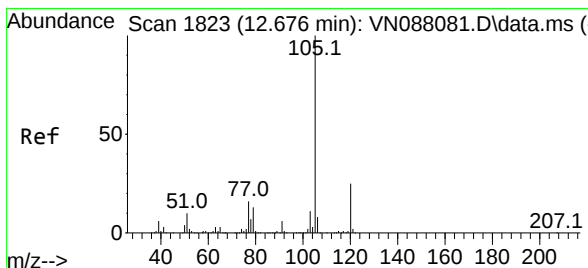
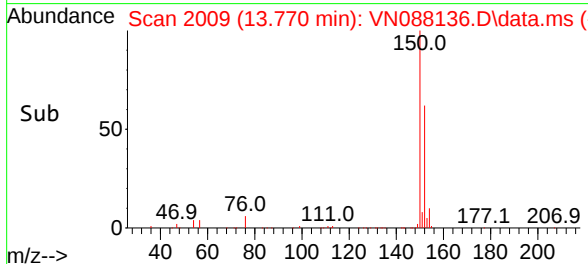
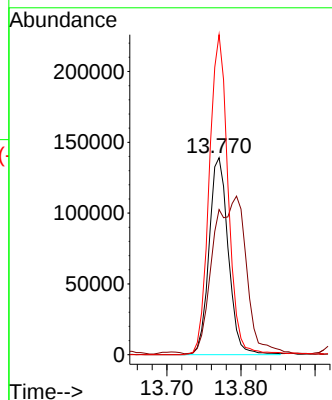
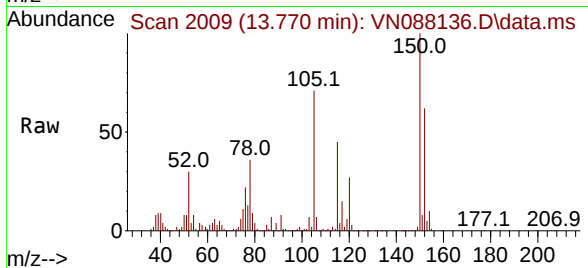
Tgt Ion:152 Resp: 250379

Ion Ratio Lower Upper

152 100

115 0.0 32.3 96.8#

150 159.9 0.0 351.0



#73

Isopropylbenzene

Concen: 16.000 ug/l

RT: 12.676 min Scan# 1823

Delta R.T. 0.006 min

Lab File: VN088136.D

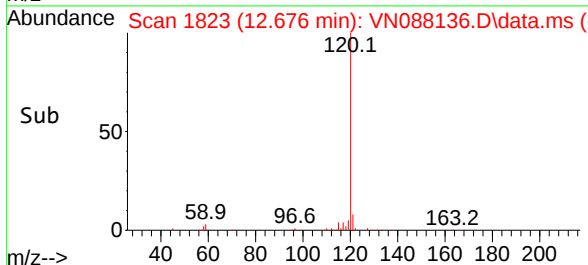
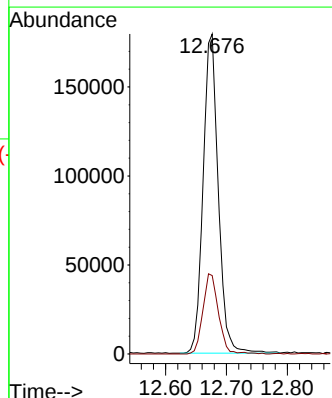
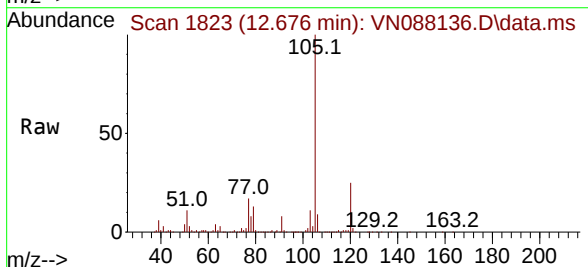
Acq: 28 Oct 2025 13:59

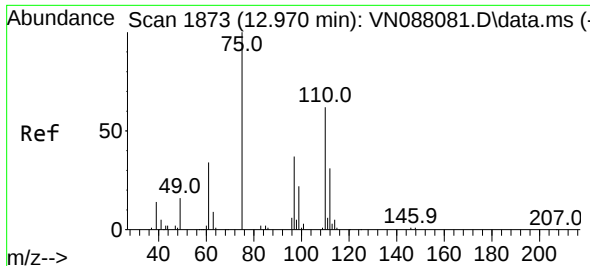
Tgt Ion:105 Resp: 308974

Ion Ratio Lower Upper

105 100

120 25.8 12.8 38.3

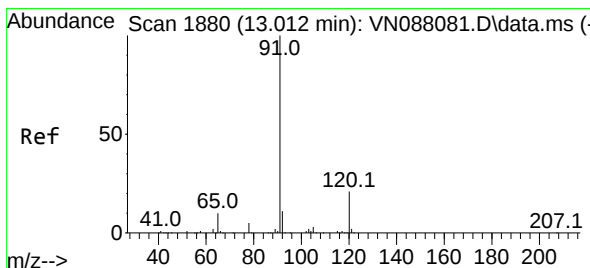
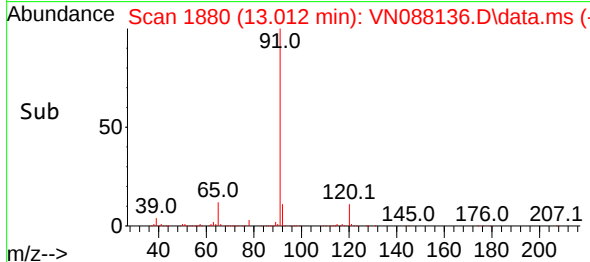
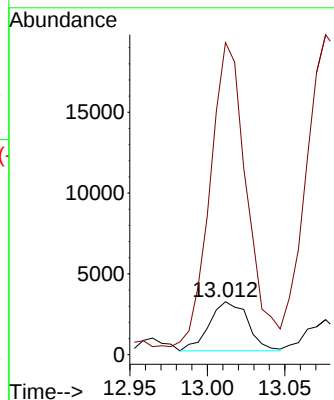
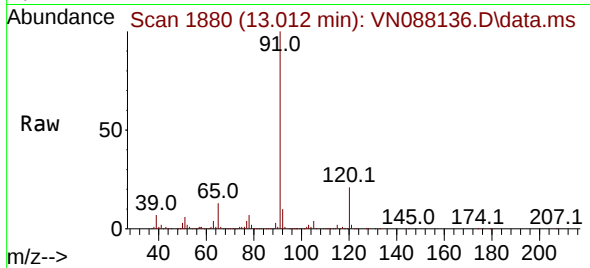




#76
1,2,3-Trichloropropane
Concen: 0.920 ug/l
RT: 13.012 min Scan# 1880
Delta R.T. 0.041 min
Lab File: VN088136.D
Acq: 28 Oct 2025 13:59

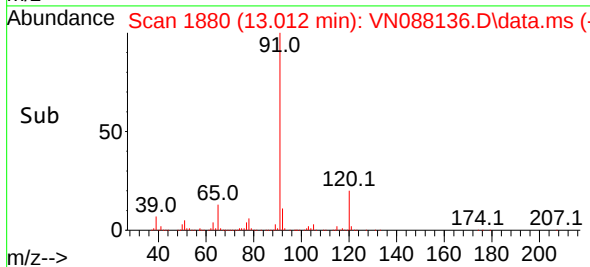
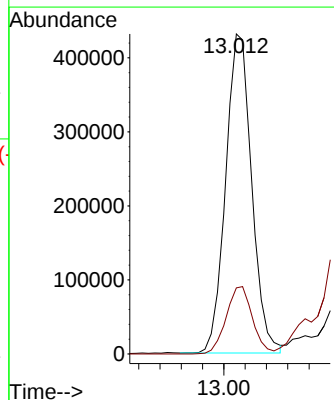
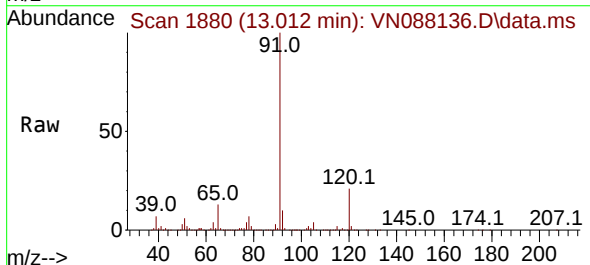
Instrument :
MSVOA_N
ClientSampleId :
MW-12

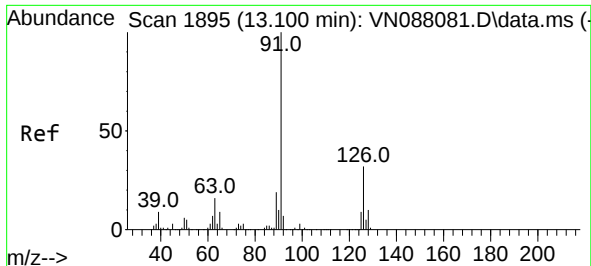
Tgt Ion: 75 Resp: 5264
Ion Ratio Lower Upper
75 100
77 584.5 89.1 267.4#



#78
n-propylbenzene
Concen: 30.991 ug/l
RT: 13.012 min Scan# 1880
Delta R.T. -0.000 min
Lab File: VN088136.D
Acq: 28 Oct 2025 13:59

Tgt Ion: 91 Resp: 730347
Ion Ratio Lower Upper
91 100
120 21.3 10.7 32.1

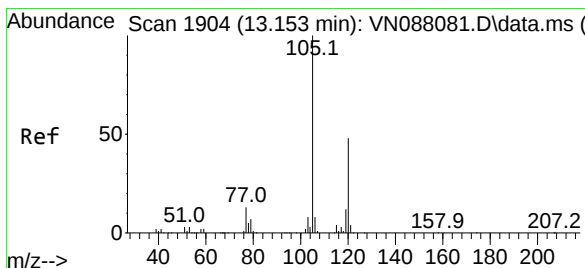
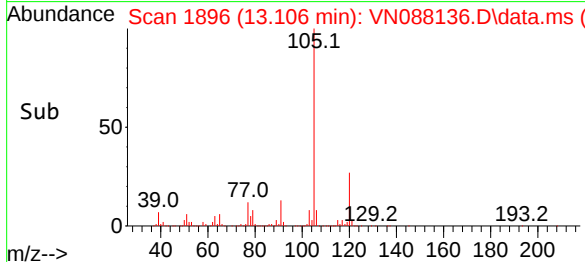
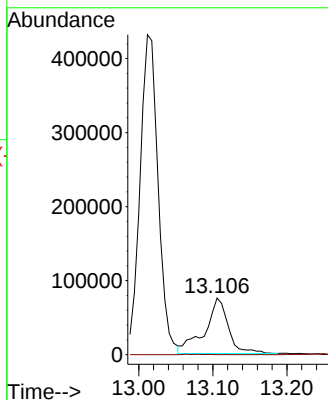
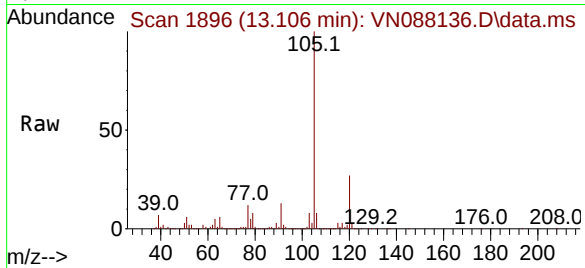




#79
2-Chlorotoluene
Concen: 12.263 ug/l
RT: 13.106 min Scan# 1896
Delta R.T. 0.006 min
Lab File: VN088136.D
Acq: 28 Oct 2025 13:59

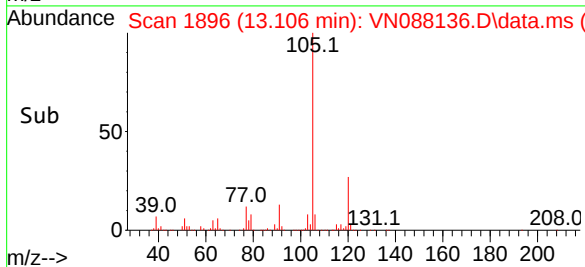
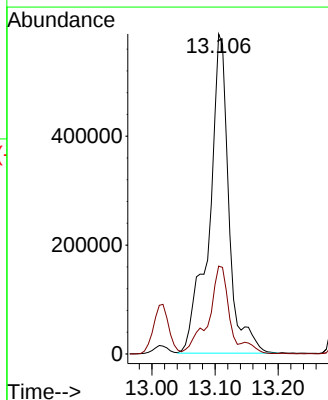
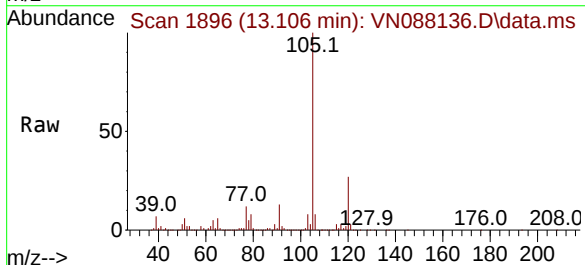
Instrument :
MSVOA_N
ClientSampleId :
MW-12

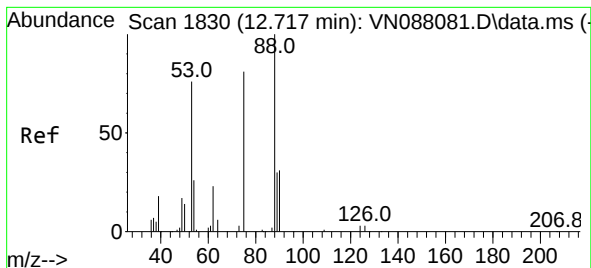
Tgt Ion: 91 Resp: 164806
Ion Ratio Lower Upper
91 100
126 0.0 16.1 48.3#



#80
1,3,5-Trimethylbenzene
Concen: 79.324 ug/l
RT: 13.106 min Scan# 1896
Delta R.T. -0.047 min
Lab File: VN088136.D
Acq: 28 Oct 2025 13:59

Tgt Ion:105 Resp: 1272202
Ion Ratio Lower Upper
105 100
120 26.0 23.2 69.6

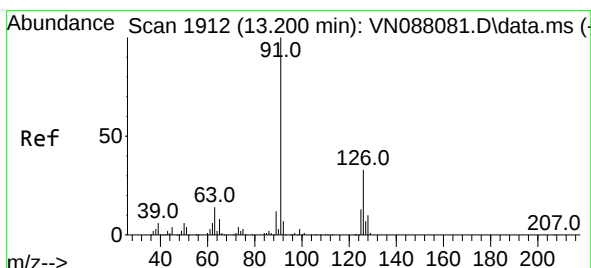
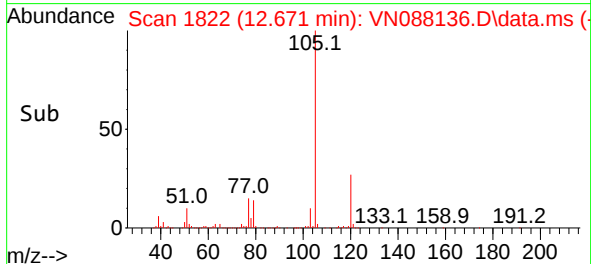
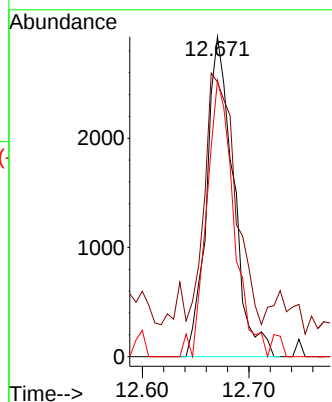
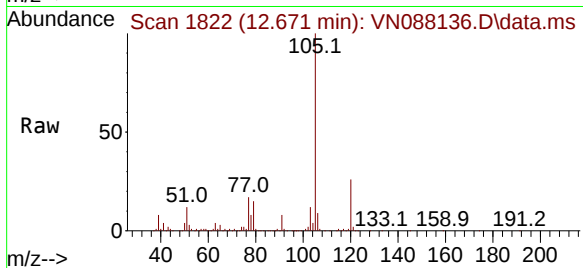




#81
trans-1,4-Dichloro-2-butene
Concen: 2.492 ug/l
RT: 12.671 min Scan# 1822
Delta R.T. -0.047 min
Lab File: VN088136.D
Acq: 28 Oct 2025 13:59

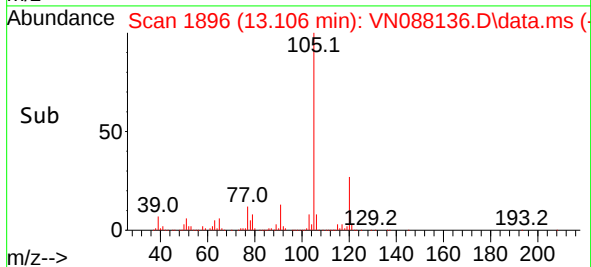
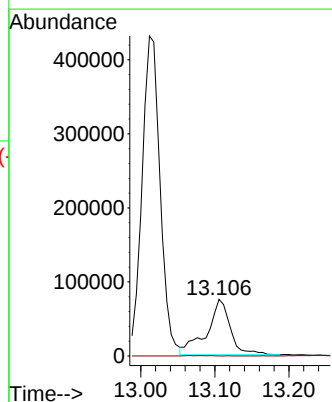
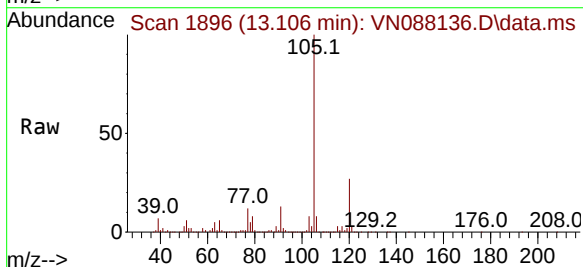
Instrument :
MSVOA_N
ClientSampleId :
MW-12

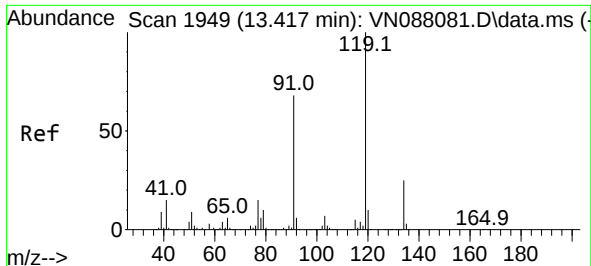
Tgt Ion: 75 Resp: 5114
Ion Ratio Lower Upper
75 100
53 91.5 101.8 152.6#
89 87.7 35.6 53.4#



#82
4-Chlorotoluene
Concen: 11.335 ug/l
RT: 13.106 min Scan# 1896
Delta R.T. -0.094 min
Lab File: VN088136.D
Acq: 28 Oct 2025 13:59

Tgt Ion: 91 Resp: 164806
Ion Ratio Lower Upper
91 100
126 0.0 15.6 46.8#

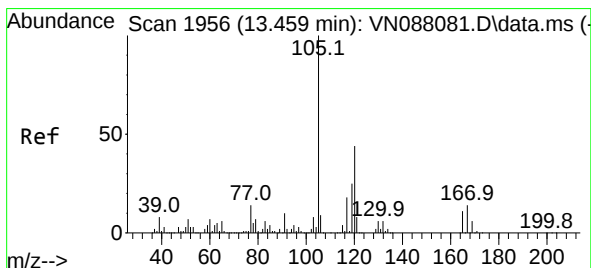
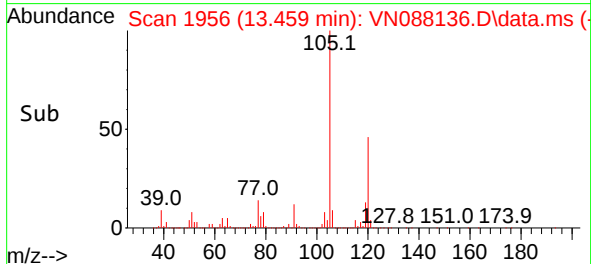
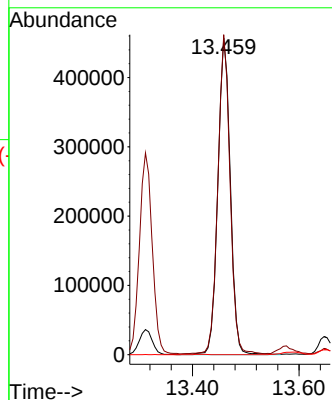
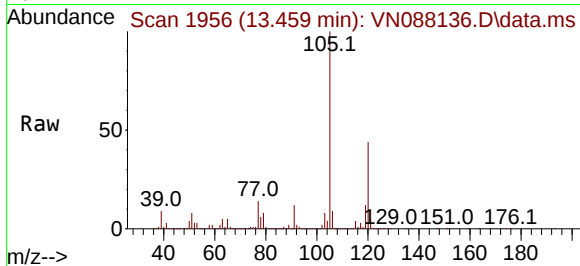




#83
 tert-Butylbenzene
 Concen: 51.691 ug/l
 RT: 13.459 min Scan# 1956
 Delta R.T. 0.041 min
 Lab File: VN088136.D
 Acq: 28 Oct 2025 13:59

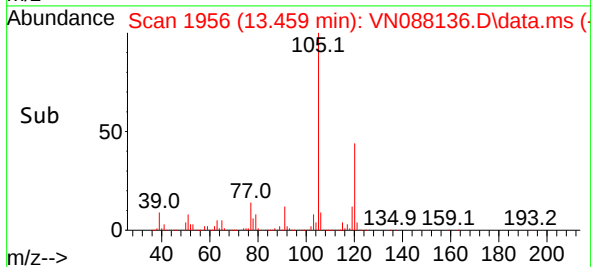
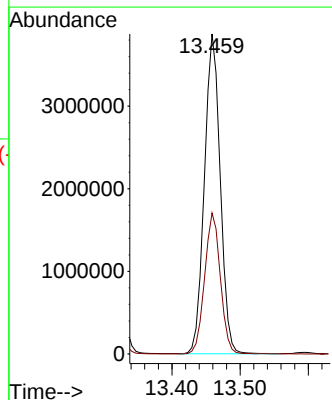
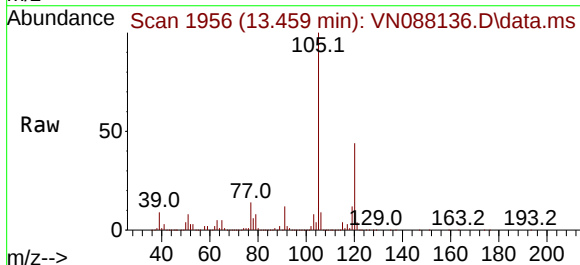
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-12

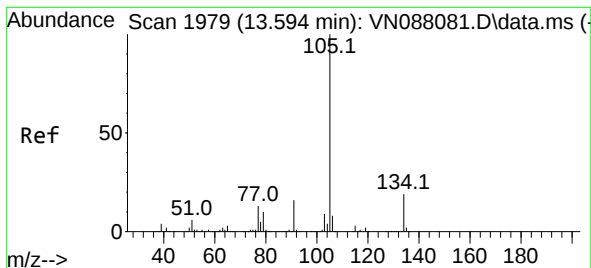
Tgt Ion:119 Resp: 740563
 Ion Ratio Lower Upper
 119 100
 91 98.8 35.0 105.0
 134 0.0 12.6 37.8#



#84
 1,2,4-Trimethylbenzene
 Concen: 389.515 ug/l
 RT: 13.459 min Scan# 1956
 Delta R.T. -0.000 min
 Lab File: VN088136.D
 Acq: 28 Oct 2025 13:59

Tgt Ion:105 Resp: 6250252
 Ion Ratio Lower Upper
 105 100
 120 43.7 22.0 66.0





#85

sec-Butylbenzene

Concen: 296.895 ug/l

RT: 13.459 min Scan# 1956

Delta R.T. -0.135 min

Lab File: VN088136.D

Acq: 28 Oct 2025 13:59

Instrument :

MSVOA_N

ClientSampleId :

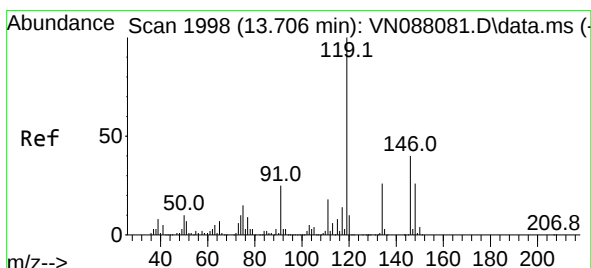
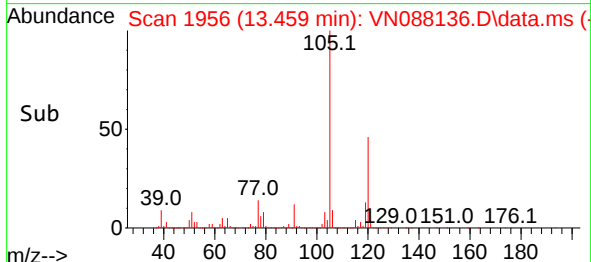
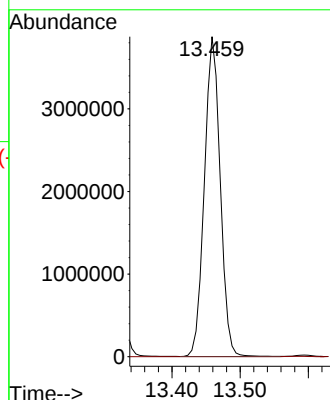
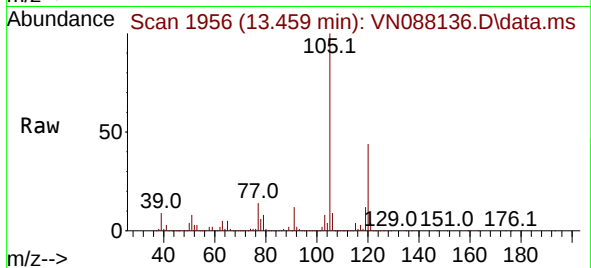
MW-12

Tgt Ion:105 Resp: 6249299

Ion Ratio Lower Upper

105 100

134 0.0 9.6 28.6#



#86

p-Isopropyltoluene

Concen: 1.546 ug/l

RT: 13.706 min Scan# 1998

Delta R.T. -0.000 min

Lab File: VN088136.D

Acq: 28 Oct 2025 13:59

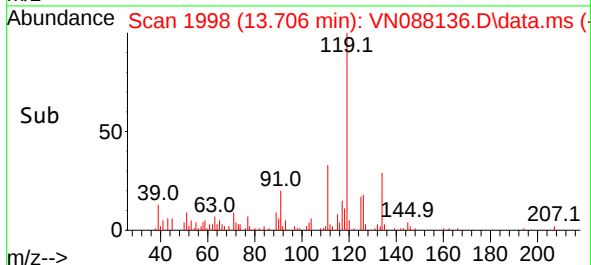
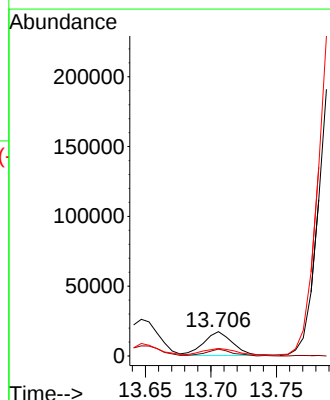
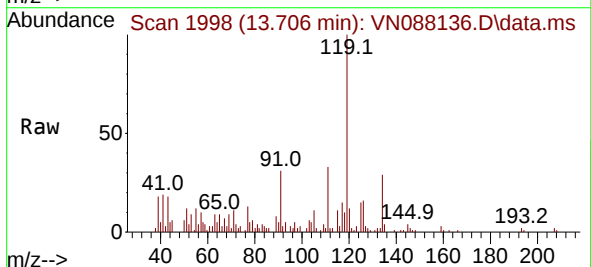
Tgt Ion:119 Resp: 26100

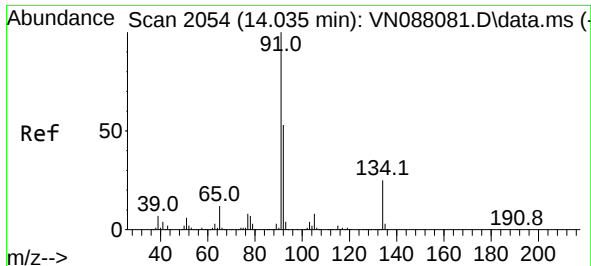
Ion Ratio Lower Upper

119 100

134 26.6 12.7 38.0

91 0.0 12.5 37.5#

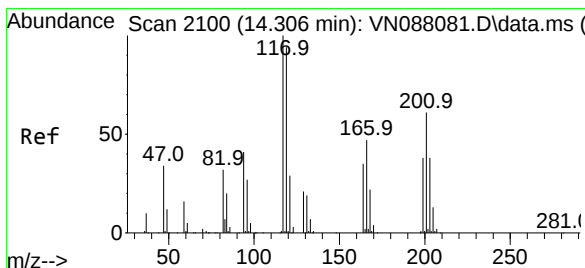
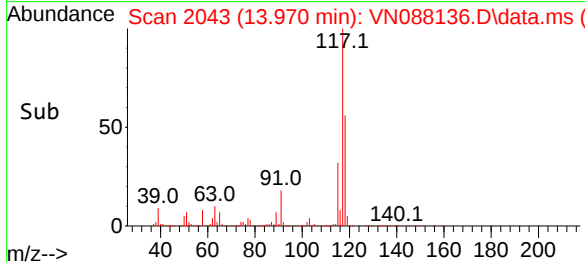
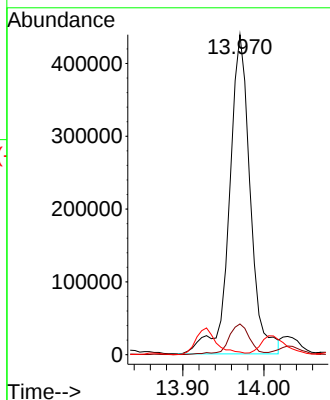
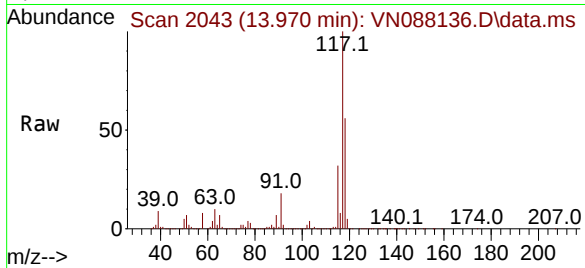




#89
n-Butylbenzene
Concen: 46.812 ug/l
RT: 13.970 min Scan# 2054
Delta R.T. -0.059 min
Lab File: VN088136.D
Acq: 28 Oct 2025 13:59

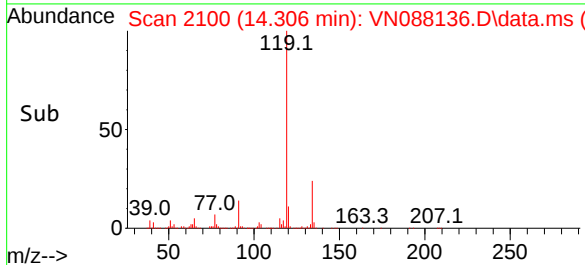
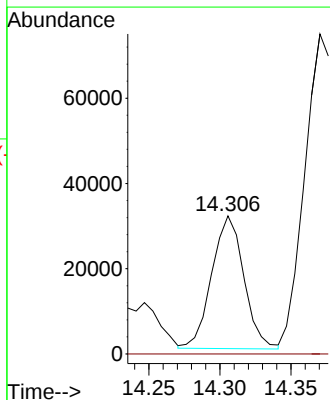
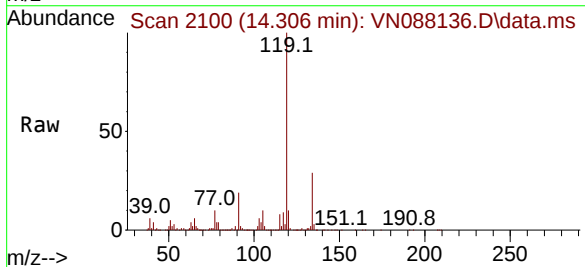
Instrument :
MSVOA_N
ClientSampleId :
MW-12

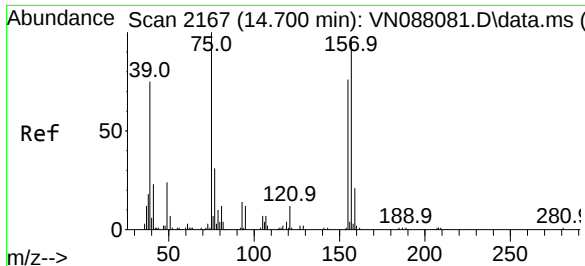
Tgt Ion: 91 Resp: 782967
Ion Ratio Lower Upper
91 100
92 9.8 25.9 77.8#
134 0.0 11.7 35.0#



#90
Hexachloroethane
Concen: 14.999 ug/l
RT: 14.306 min Scan# 2100
Delta R.T. -0.006 min
Lab File: VN088136.D
Acq: 28 Oct 2025 13:59

Tgt Ion: 117 Resp: 49045
Ion Ratio Lower Upper
117 100
201 0.0 29.1 87.4#

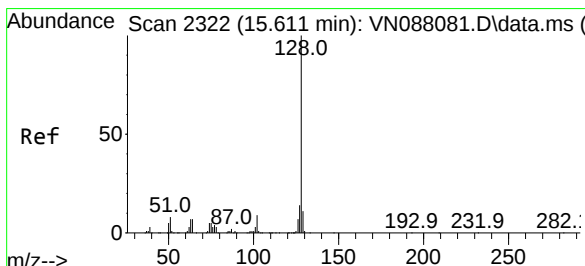
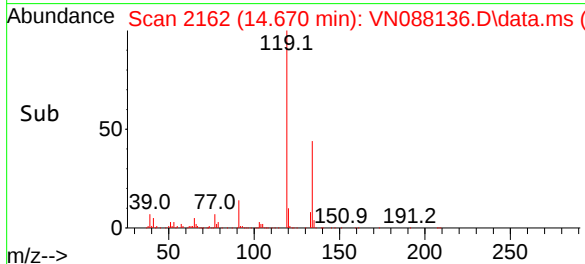
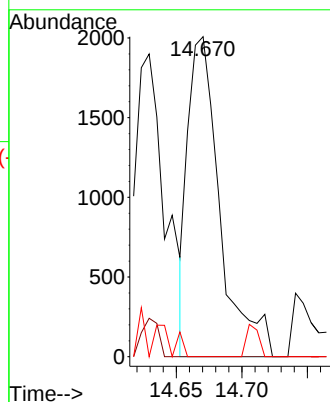
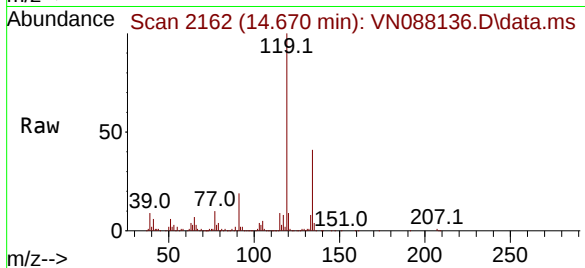




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 2.444 ug/l
 RT: 14.670 min Scan# 2167
 Delta R.T. -0.029 min
 Lab File: VN088136.D
 Acq: 28 Oct 2025 13:59

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-12

Tgt Ion: 75 Resp: 3420
 Ion Ratio Lower Upper
 75 100
 155 0.0 36.6 109.9#
 157 0.0 45.6 136.9#



#95
 Naphthalene
 Concen: 182.752 ug/l
 RT: 15.611 min Scan# 2322
 Delta R.T. -0.000 min
 Lab File: VN088136.D
 Acq: 28 Oct 2025 13:59

Tgt Ion: 128 Resp: 3038284
 Ion Ratio Lower Upper
 128 100
 127 13.1 10.6 15.8
 129 10.7 8.6 12.8

