

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091125\
 Data File : VN087804.D
 Acq On : 11 Sep 2025 17:30
 Operator : JC\MD
 Sample : Q3083-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW4S

Quant Time: Sep 12 02:56:36 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 22 02:55:42 2025
 Response via : Initial Calibration

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

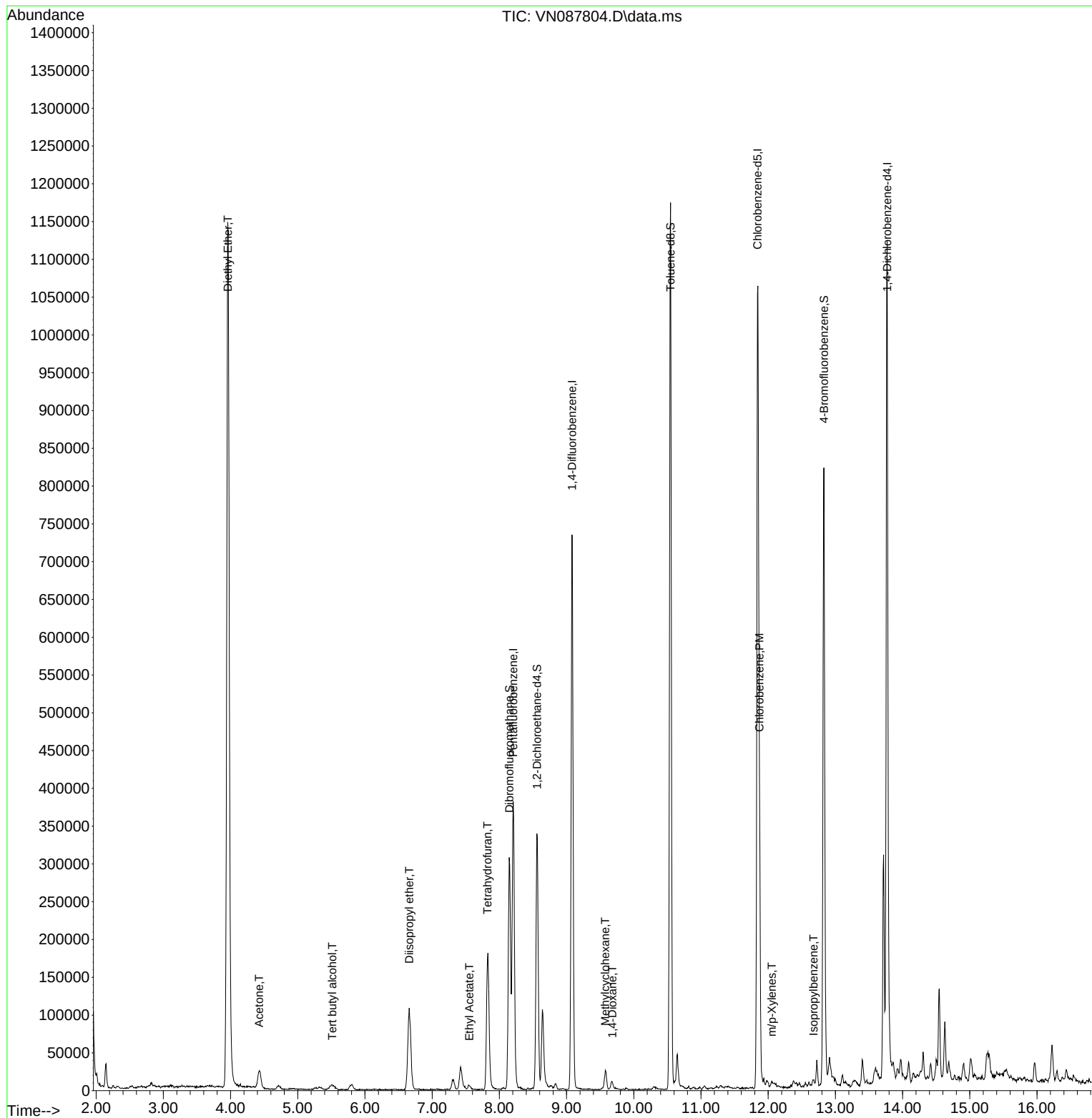
Internal Standards						
1) Pentafluorobenzene	8.206	168	264563	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	604819	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	580803	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	290718	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	284301	52.448	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 104.900%	
35) Dibromofluoromethane	8.147	113	219283	50.216	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 100.440%	
50) Toluene-d8	10.547	98	778704	47.644	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 95.280%	
62) 4-Bromofluorobenzene	12.829	95	282695	48.636	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 97.280%	
Target Compounds						
					Qvalue	
8) Diethyl Ether	3.959	74	695124	243.321	ug/l	98
11) Tert butyl alcohol	5.512	59	10839	11.518	ug/l #	87
16) Acetone	4.424	43	36918	12.511	ug/l	90
22) Diisopropyl ether	6.659	45	127177	8.526	ug/l	99
29) Tetrahydrofuran	7.824	42	140515	56.242	ug/l	98
37) Ethyl Acetate	7.553	43	8374	0.915	ug/l #	89
39) Methylcyclohexane	9.576	83	9852	1.336	ug/l	97
49) 1,4-Dioxane	9.682	88	4346	49.599	ug/l #	89
65) Chlorobenzene	11.870	112	174247	12.059	ug/l	96
68) m/p-Xylenes	12.053	106	3050	0.332	ug/l	74
73) Isopropylbenzene	12.676	105	6527	0.278	ug/l	99

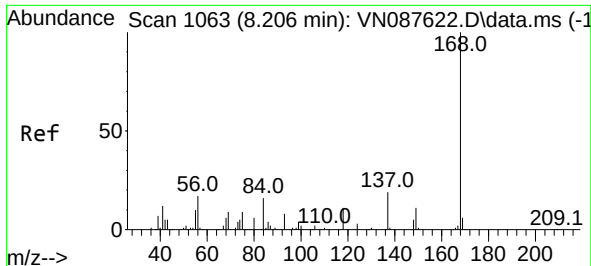
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091125\
Data File : VN087804.D
Acq On : 11 Sep 2025 17:30
Operator : JC\MD
Sample : Q3083-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW4S

Quant Time: Sep 12 02:56:36 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 22 02:55:42 2025
Response via : Initial Calibration

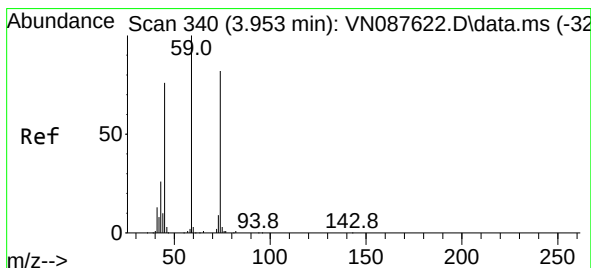
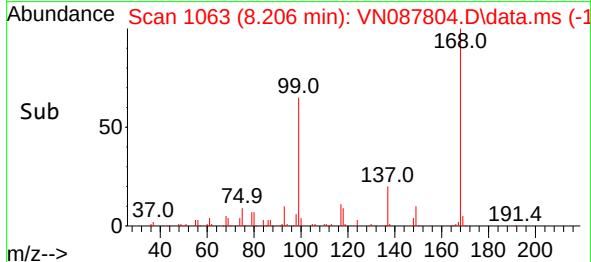
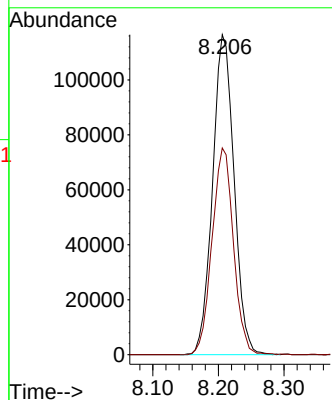
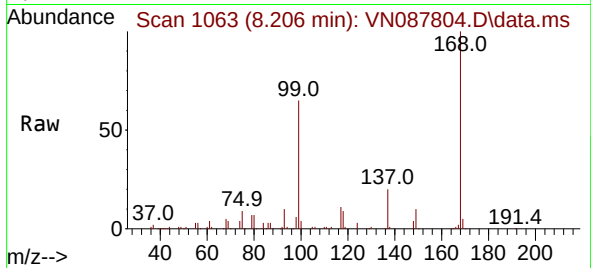




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. -0.000 min
Lab File: VN087804.D
Acq: 11 Sep 2025 17:30

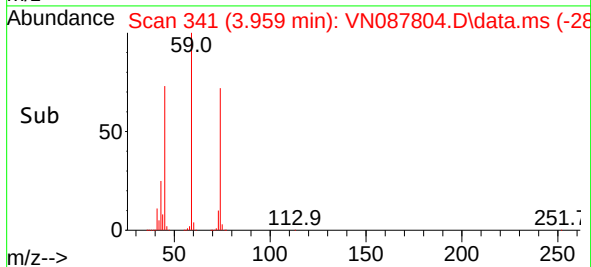
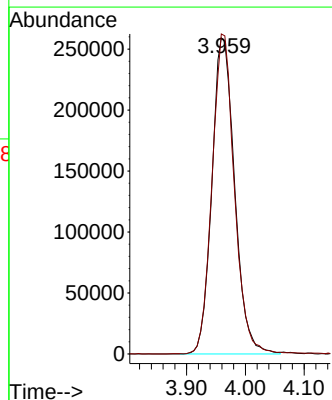
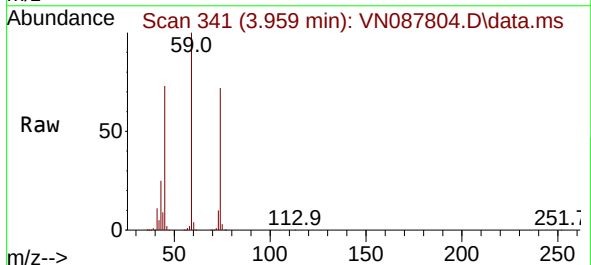
Instrument :
MSVOA_N
ClientSampleId :
MW4S

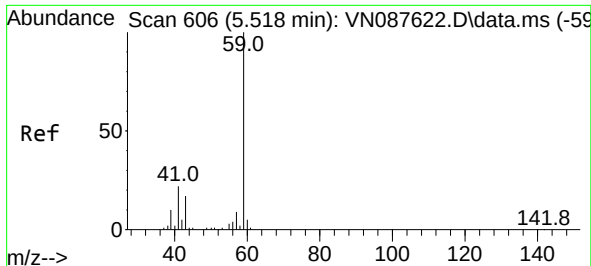
Tgt Ion:168 Resp: 264563
Ion Ratio Lower Upper
168 100
99 64.6 57.2 85.8



#8
Diethyl Ether
Concen: 243.321 ug/l
RT: 3.959 min Scan# 341
Delta R.T. 0.006 min
Lab File: VN087804.D
Acq: 11 Sep 2025 17:30

Tgt Ion: 74 Resp: 695124
Ion Ratio Lower Upper
74 100
45 99.5 50.6 151.9

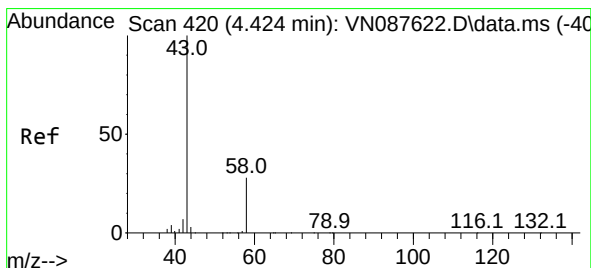
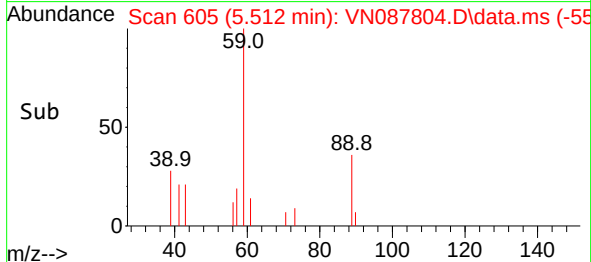
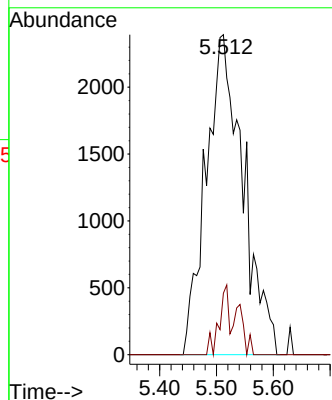
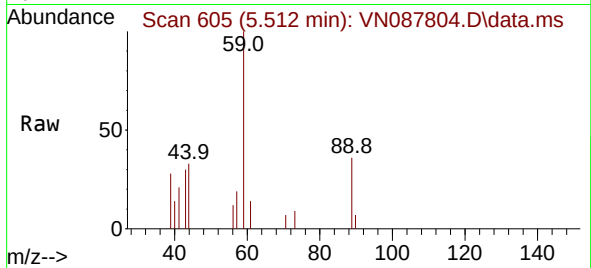




#11
Tert butyl alcohol
Concen: 11.518 ug/l
RT: 5.512 min Scan# 606
Delta R.T. -0.006 min
Lab File: VN087804.D
Acq: 11 Sep 2025 17:30

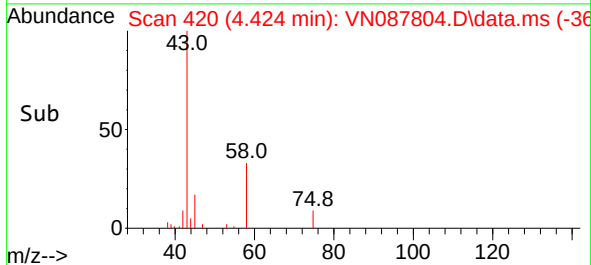
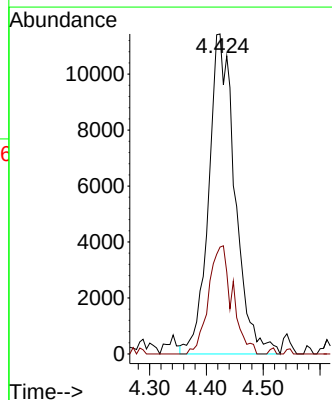
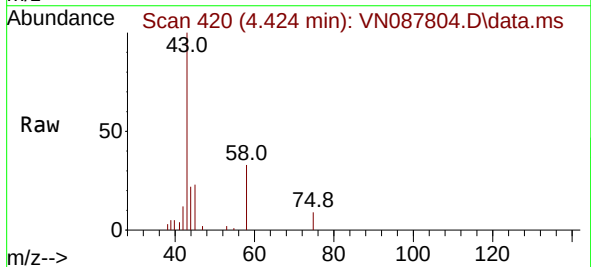
Instrument :
MSVOA_N
ClientSampleId :
MW4S

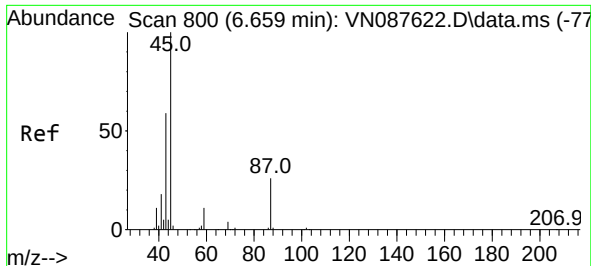
Tgt Ion: 59 Resp: 10839
Ion Ratio Lower Upper
59 100
57 6.3 9.0 13.4#



#16
Acetone
Concen: 12.511 ug/l
RT: 4.424 min Scan# 420
Delta R.T. -0.000 min
Lab File: VN087804.D
Acq: 11 Sep 2025 17:30

Tgt Ion: 43 Resp: 36918
Ion Ratio Lower Upper
43 100
58 33.4 22.6 33.8

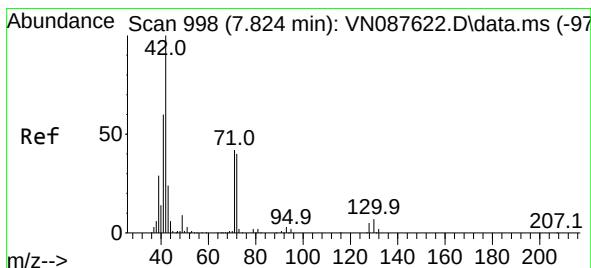
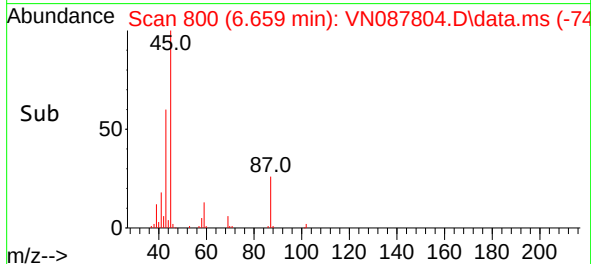
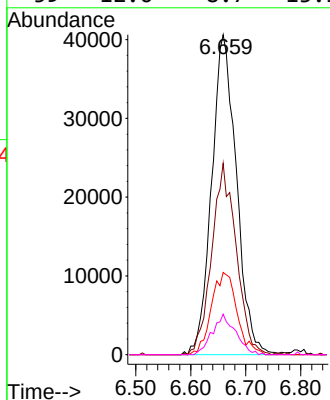
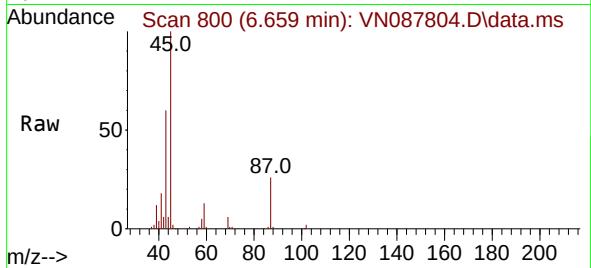




#22
Diisopropyl ether
Concen: 8.526 ug/l
RT: 6.659 min Scan# 800
Delta R.T. -0.000 min
Lab File: VN087804.D
Acq: 11 Sep 2025 17:30

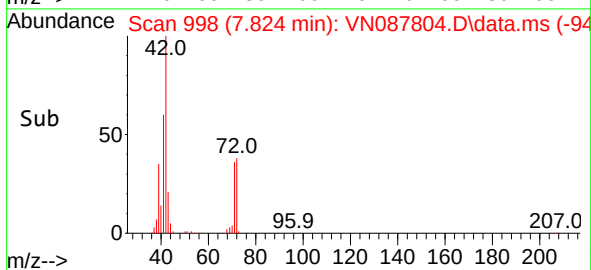
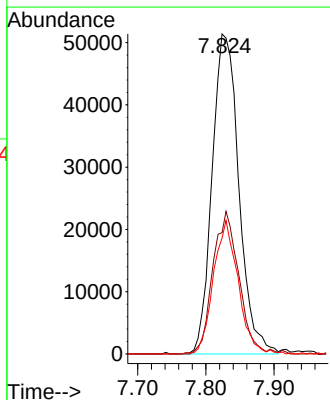
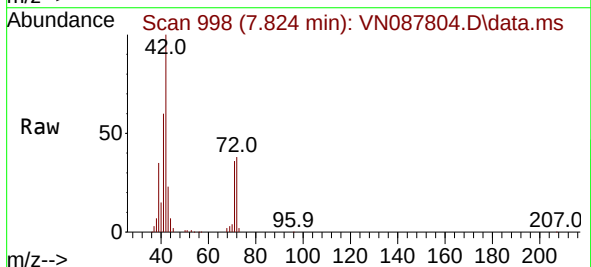
Instrument :
MSVOA_N
ClientSampleId :
MW4S

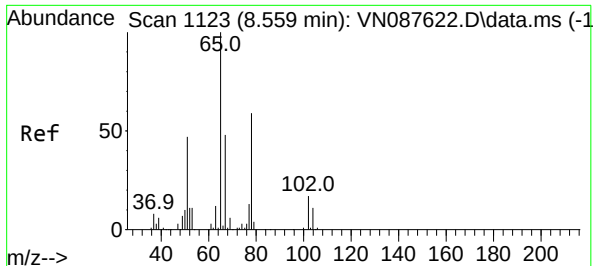
Tgt Ion:	45	Resp:	127177
Ion	Ratio	Lower	Upper
45	100		
43	59.8	47.7	71.5
87	25.7	21.4	32.0
59	12.6	8.7	13.1



#29
Tetrahydrofuran
Concen: 56.242 ug/l
RT: 7.824 min Scan# 998
Delta R.T. -0.000 min
Lab File: VN087804.D
Acq: 11 Sep 2025 17:30

Tgt Ion:	42	Resp:	140515
Ion	Ratio	Lower	Upper
42	100		
72	43.1	33.7	50.5
71	38.6	31.9	47.9





#33

1,2-Dichloroethane-d4

Concen: 52.448 ug/l

RT: 8.559 min Scan# 1123

Delta R.T. -0.000 min

Lab File: VN087804.D

Acq: 11 Sep 2025 17:30

Instrument :

MSVOA_N

ClientSampleId :

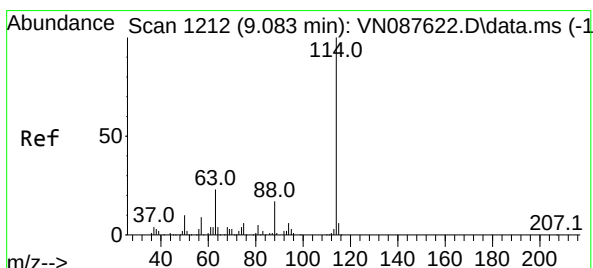
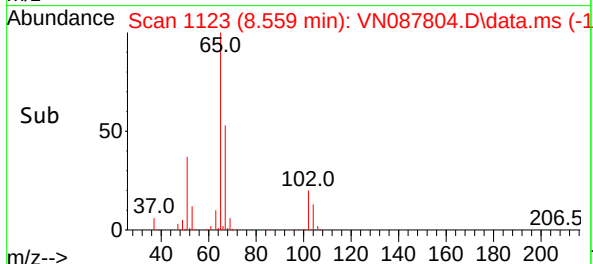
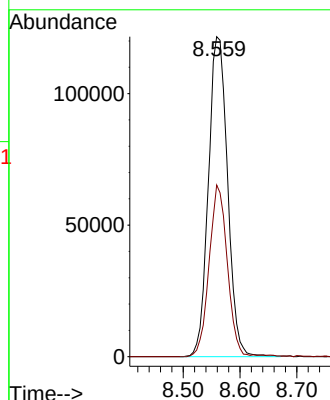
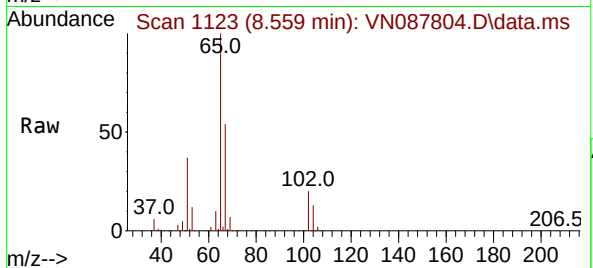
MW4S

Tgt Ion: 65 Resp: 284301

Ion Ratio Lower Upper

65 100

67 51.0 0.0 100.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.082 min Scan# 1212

Delta R.T. -0.000 min

Lab File: VN087804.D

Acq: 11 Sep 2025 17:30

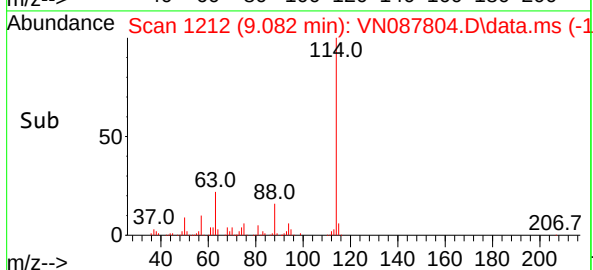
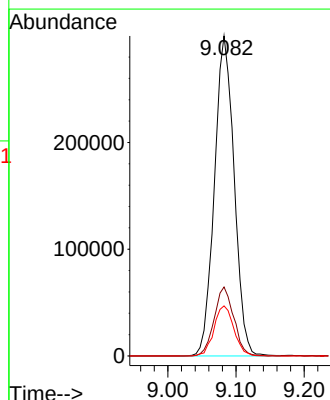
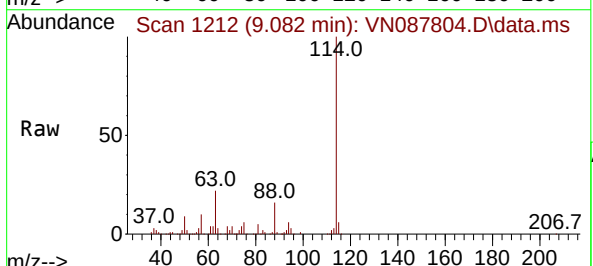
Tgt Ion: 114 Resp: 604819

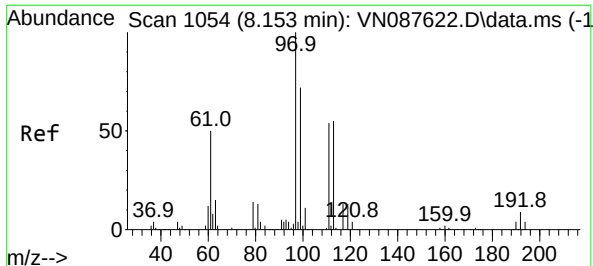
Ion Ratio Lower Upper

114 100

63 21.5 0.0 45.2

88 15.7 0.0 33.4





#35

Dibromofluoromethane

Concen: 50.216 ug/l

RT: 8.147 min Scan# 113

Delta R.T. -0.006 min

Lab File: VN087804.D

Acq: 11 Sep 2025 17:30

Instrument :

MSVOA_N

ClientSampleId :

MW4S

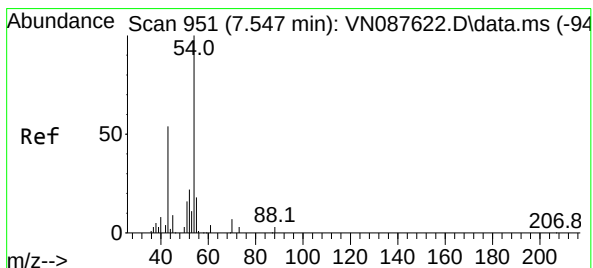
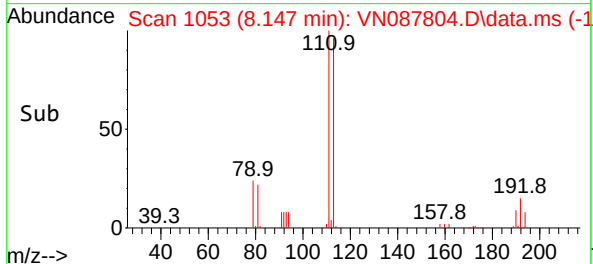
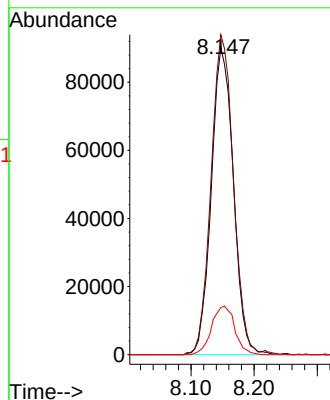
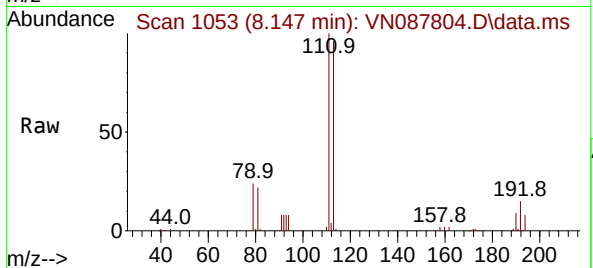
Tgt Ion:113 Resp: 219283

Ion Ratio Lower Upper

113 100

111 105.2 82.8 124.2

192 16.6 12.8 19.2



#37

Ethyl Acetate

Concen: 0.915 ug/l

RT: 7.553 min Scan# 952

Delta R.T. 0.006 min

Lab File: VN087804.D

Acq: 11 Sep 2025 17:30

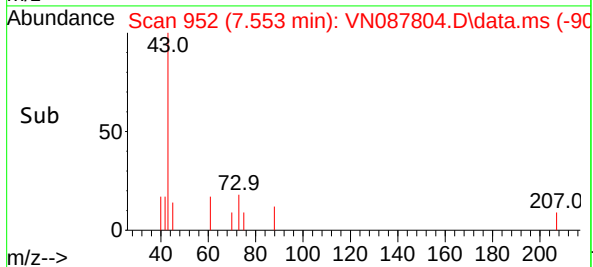
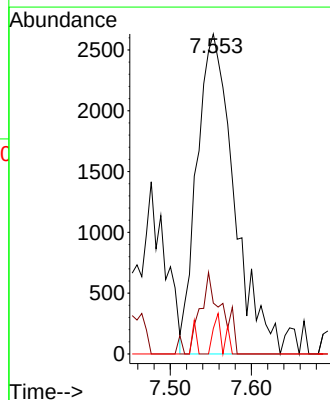
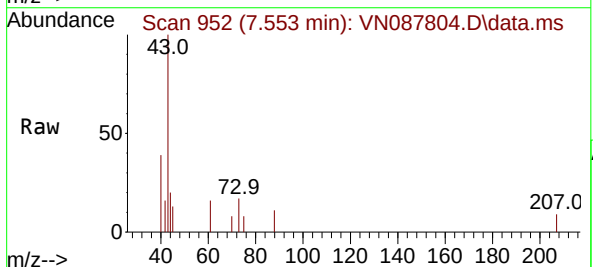
Tgt Ion: 43 Resp: 8374

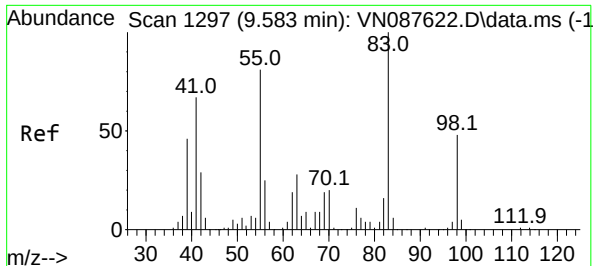
Ion Ratio Lower Upper

43 100

61 14.6 9.3 13.9#

70 3.3 7.0 10.6#





#39

Methylcyclohexane

Concen: 1.336 ug/l

RT: 9.576 min Scan# 1296

Delta R.T. -0.006 min

Lab File: VN087804.D

Acq: 11 Sep 2025 17:30

Instrument :

MSVOA_N

ClientSampleId :

MW4S

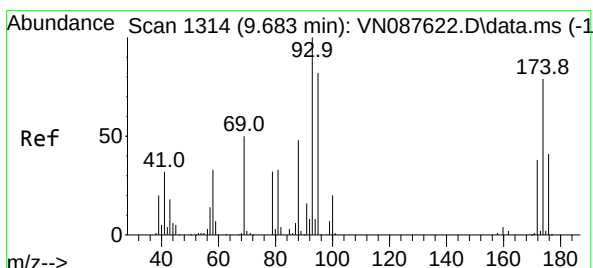
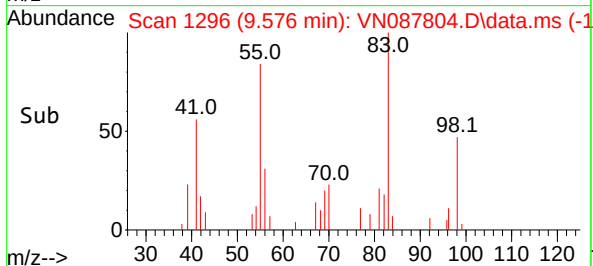
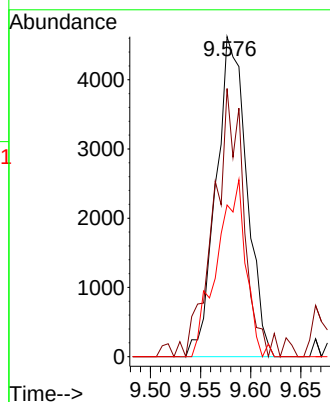
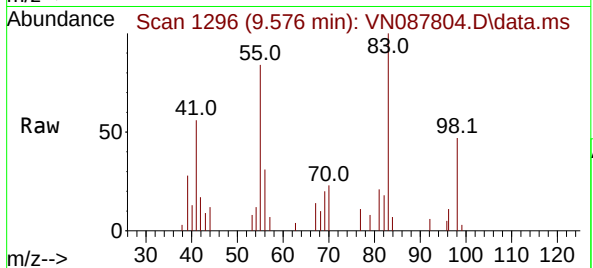
Tgt Ion: 83 Resp: 9852

Ion Ratio Lower Upper

83 100

55 83.8 64.6 96.8

98 47.4 38.4 57.6



#49

1,4-Dioxane

Concen: 49.599 ug/l

RT: 9.682 min Scan# 1314

Delta R.T. -0.000 min

Lab File: VN087804.D

Acq: 11 Sep 2025 17:30

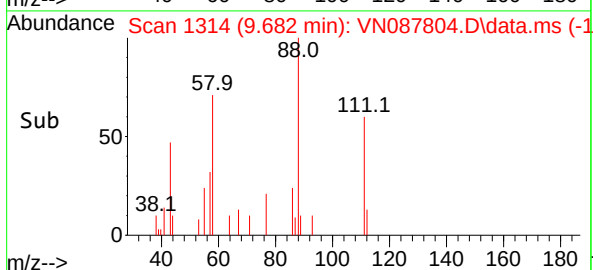
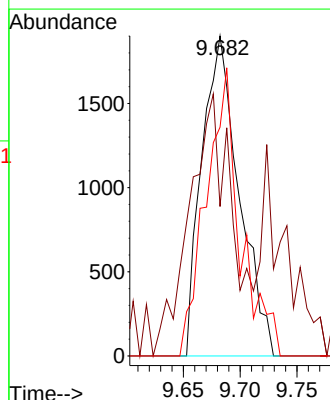
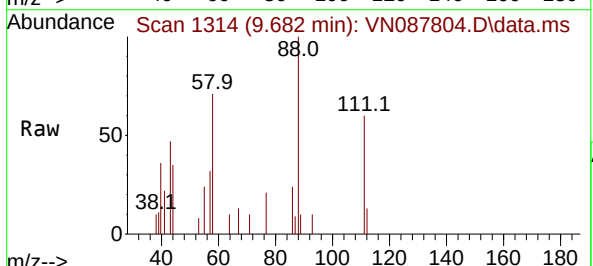
Tgt Ion: 88 Resp: 4346

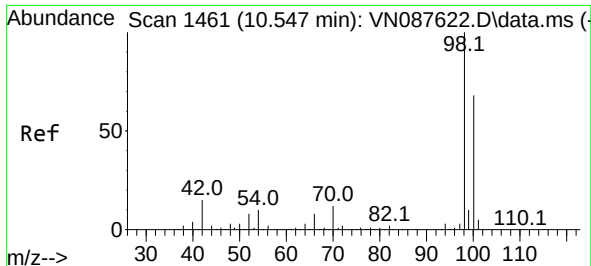
Ion Ratio Lower Upper

88 100

43 92.8 0.0 0.0#

58 81.6 57.9 86.9

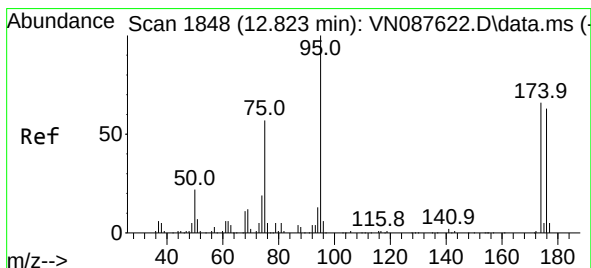
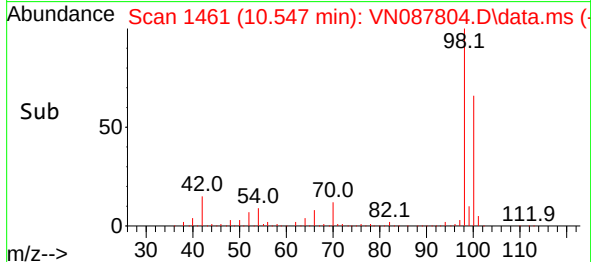
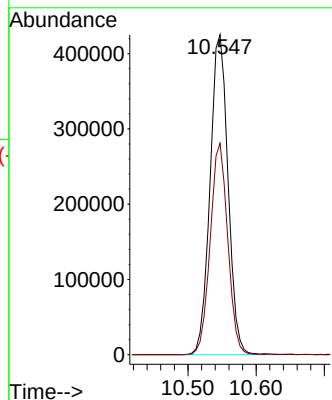
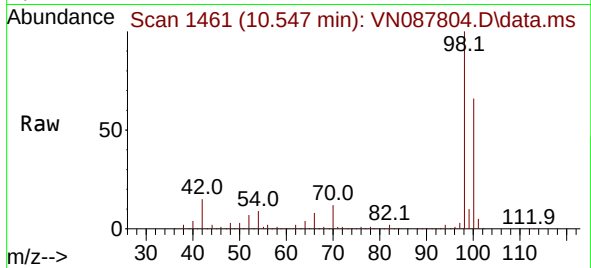




#50
Toluene-d8
Concen: 47.644 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. -0.000 min
Lab File: VN087804.D
Acq: 11 Sep 2025 17:30

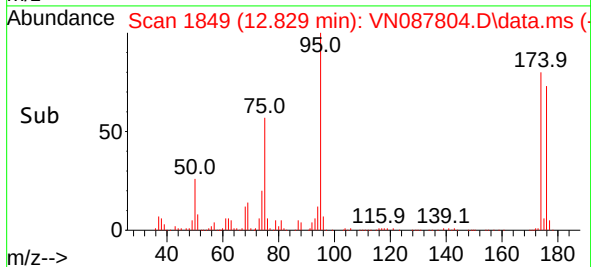
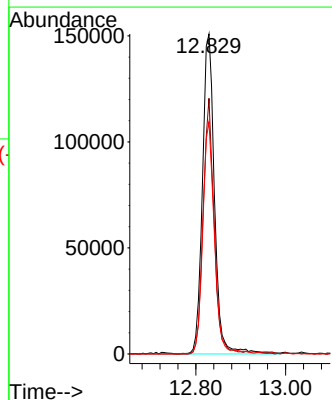
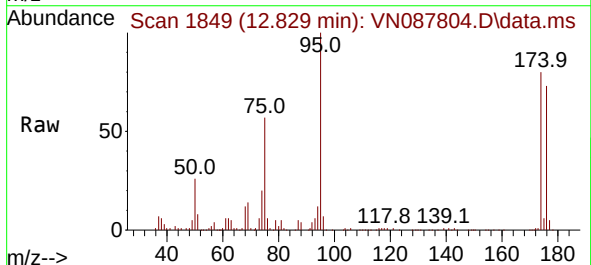
Instrument :
MSVOA_N
ClientSampleId :
MW4S

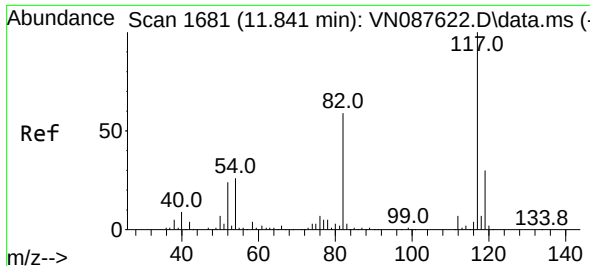
Tgt Ion: 98 Resp: 778704
Ion Ratio Lower Upper
98 100
100 64.6 52.8 79.2



#62
4-Bromofluorobenzene
Concen: 48.636 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.006 min
Lab File: VN087804.D
Acq: 11 Sep 2025 17:30

Tgt Ion: 95 Resp: 282695
Ion Ratio Lower Upper
95 100
174 72.0 0.0 138.4
176 69.3 0.0 132.6

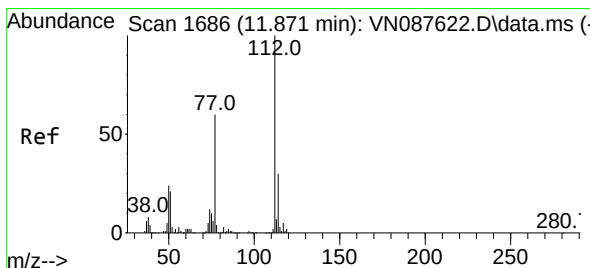
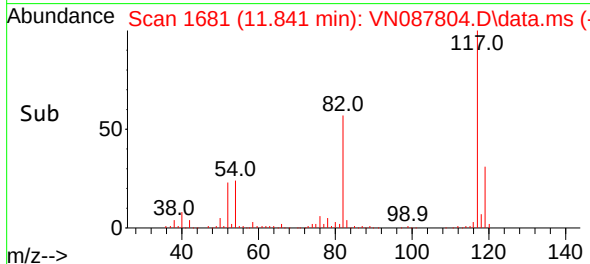
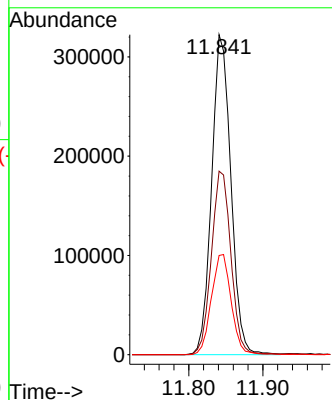
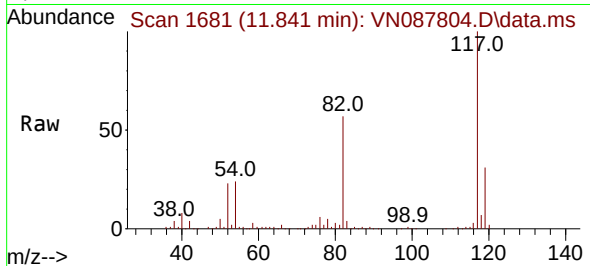




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.841 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN087804.D
Acq: 11 Sep 2025 17:30

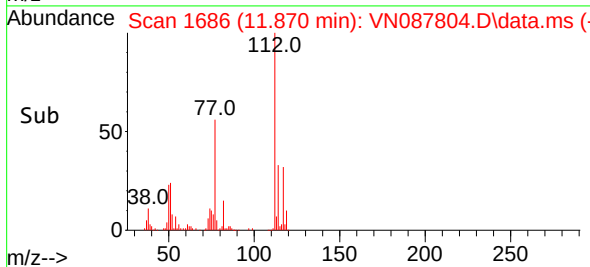
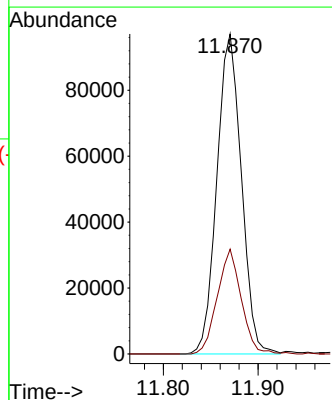
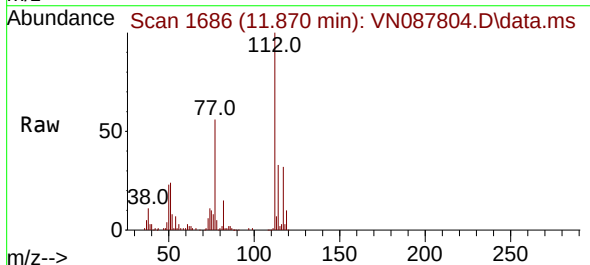
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ClientSampleId :
MW4S

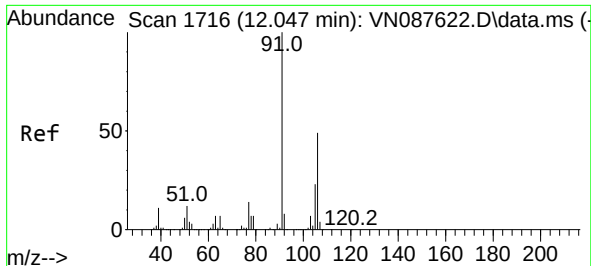
Tgt Ion:117 Resp: 580803
Ion Ratio Lower Upper
117 100
82 57.4 47.4 71.2
119 31.0 24.3 36.5



#65
Chlorobenzene
Concen: 12.059 ug/l
RT: 11.870 min Scan# 1686
Delta R.T. -0.000 min
Lab File: VN087804.D
Acq: 11 Sep 2025 17:30

Tgt Ion:112 Resp: 174247
Ion Ratio Lower Upper
112 100
114 32.7 24.3 36.5

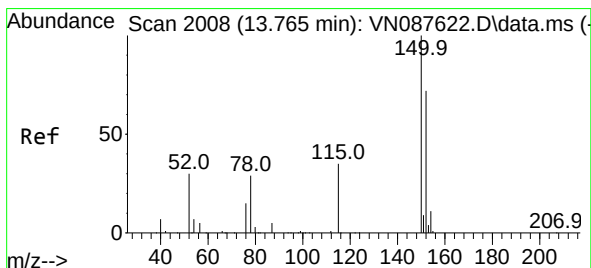
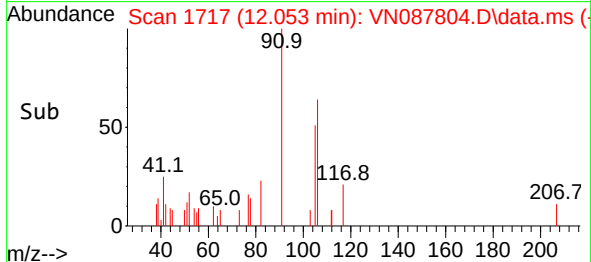
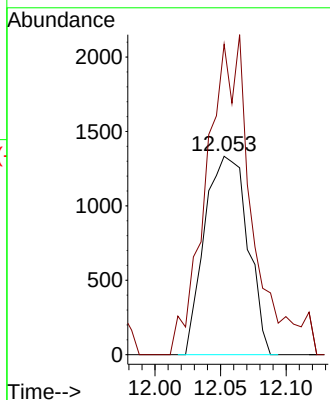
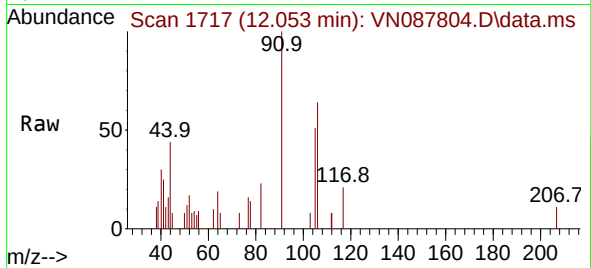




#68
m/p-Xylenes
Concen: 0.332 ug/l
RT: 12.053 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN087804.D
Acq: 11 Sep 2025 17:30

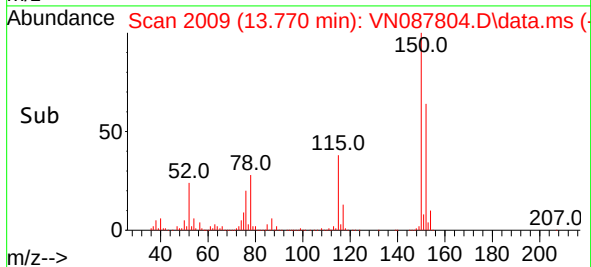
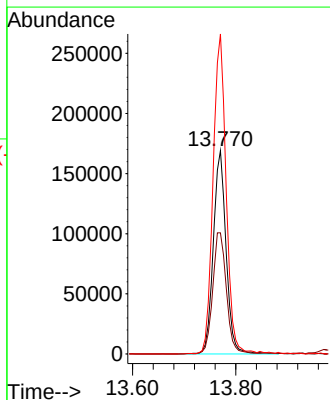
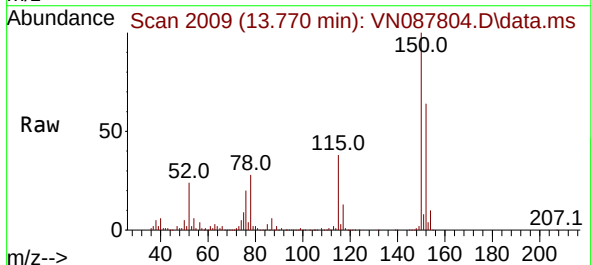
Instrument :
MSVOA_N
ClientSampleId :
MW4S

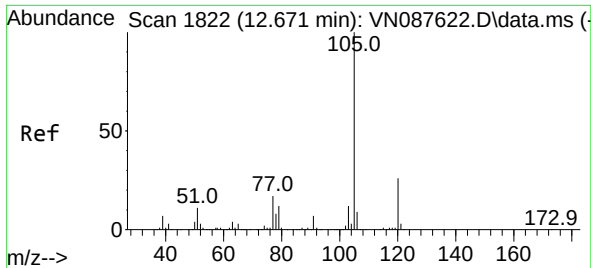
Tgt Ion:106 Resp: 3050
Ion Ratio Lower Upper
106 100
91 170.7 169.3 253.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.770 min Scan# 2009
Delta R.T. 0.006 min
Lab File: VN087804.D
Acq: 11 Sep 2025 17:30

Tgt Ion:152 Resp: 290718
Ion Ratio Lower Upper
152 100
115 64.0 32.3 96.8
150 160.1 0.0 351.0





#73
Isopropylbenzene
Concen: 0.278 ug/l
RT: 12.676 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN087804.D
Acq: 11 Sep 2025 17:30

Instrument :
MSVOA_N
ClientSampleId :
MW4S

Tgt Ion:105 Resp: 6527
Ion Ratio Lower Upper
105 100
120 25.2 12.8 38.3

