

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060925\
 Data File : VN086899.D
 Acq On : 09 Jun 2025 12:59
 Operator : JC\MD
 Sample : Q2236-09
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 WC-A2-05-G

Quant Time: Jun 10 03:31:09 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 07 02:12:50 2025
 Response via : Initial Calibration

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

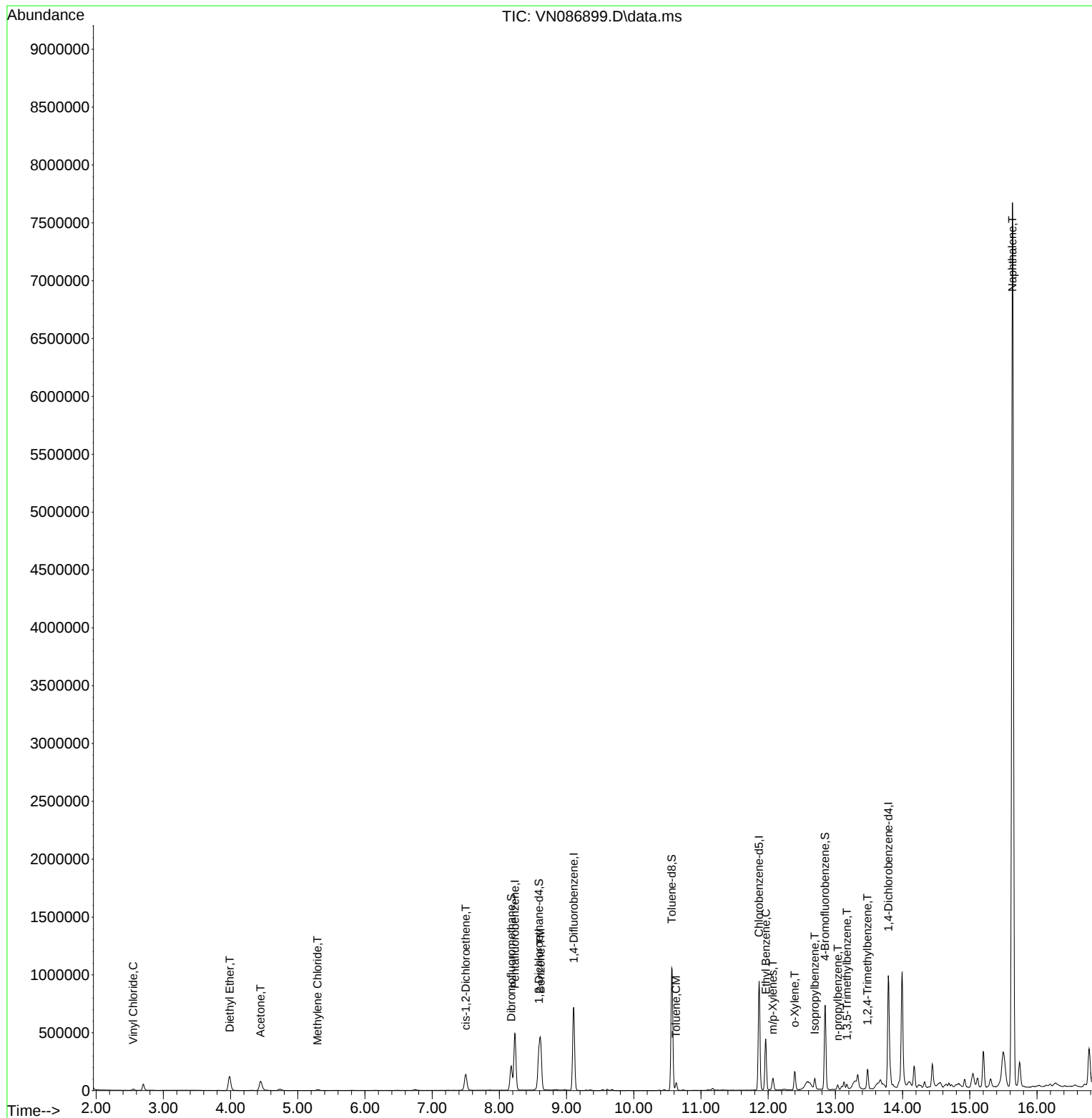
Internal Standards						
1) Pentafluorobenzene	8.230	168	396308	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	680731	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	597431	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	290954	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	220244	41.508	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	83.020%		
35) Dibromofluoromethane	8.177	113	162269	40.224	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	80.440%		
50) Toluene-d8	10.565	98	808270	50.611	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	101.220%		
62) 4-Bromofluorobenzene	12.847	95	292203	49.247	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	98.500%		
Target Compounds						Qvalue
4) Vinyl Chloride	2.554	62	12417	2.359	ug/l	98
8) Diethyl Ether	3.989	74	85698	28.601	ug/l	90
16) Acetone	4.447	43	157911	56.119	ug/l	96
20) Methylene Chloride	5.295	84	7539	1.431	ug/l	84
27) cis-1,2-Dichloroethene	7.500	96	86333	14.709	ug/l	84
40) Benzene	8.612	78	441489	22.459	ug/l	100
52) Toluene	10.629	92	30536	2.542	ug/l	100
67) Ethyl Benzene	11.965	91	345726	15.233	ug/l	98
68) m/p-Xylenes	12.071	106	35869	4.128	ug/l	97
69) o-Xylene	12.394	106	49970	6.005	ug/l	96
73) Isopropylbenzene	12.694	105	64903	3.062	ug/l	97
78) n-propylbenzene	13.035	91	31390	1.219	ug/l	98
80) 1,3,5-Trimethylbenzene	13.170	105	20865	1.192	ug/l	97
84) 1,2,4-Trimethylbenzene	13.476	105	103145	5.878	ug/l	97
95) Naphthalene	15.635	128	7672167	351.295	ug/l	100

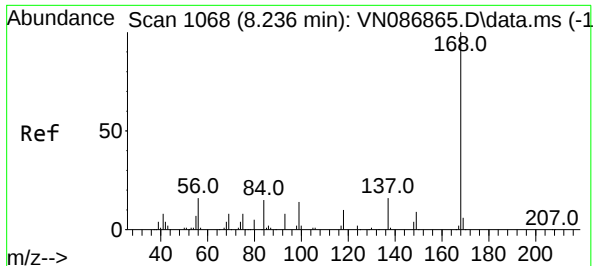
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060925\
Data File : VN086899.D
Acq On : 09 Jun 2025 12:59
Operator : JC\MD
Sample : Q2236-09
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
WC-A2-05-G

Quant Time: Jun 10 03:31:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

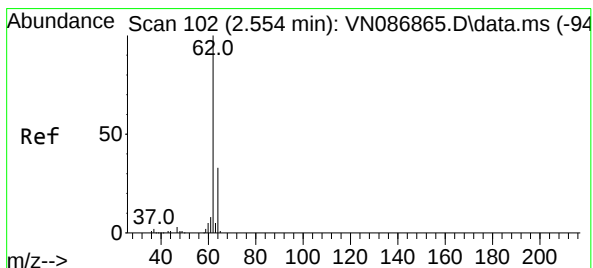
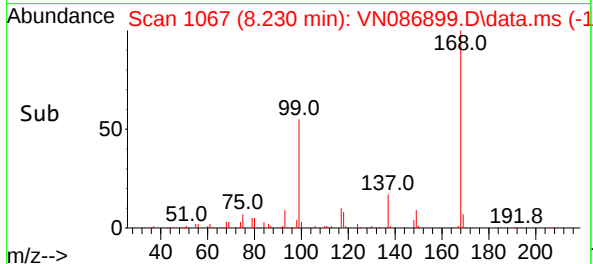
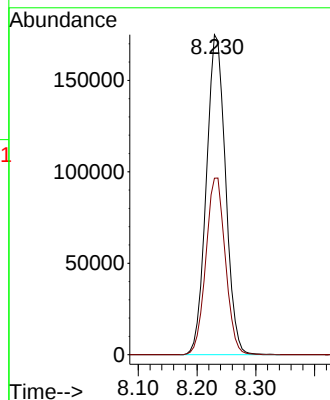
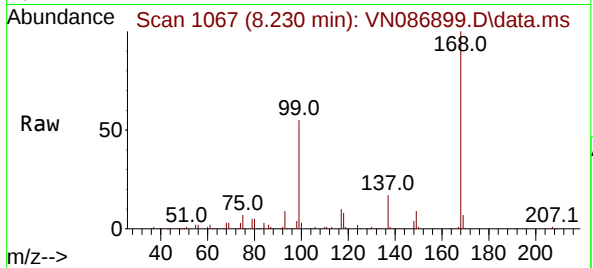




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1068
Delta R.T. -0.006 min
Lab File: VN086899.D
Acq: 09 Jun 2025 12:59

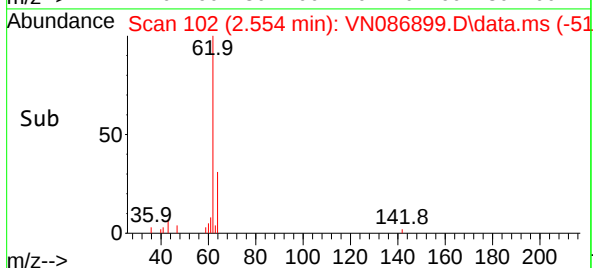
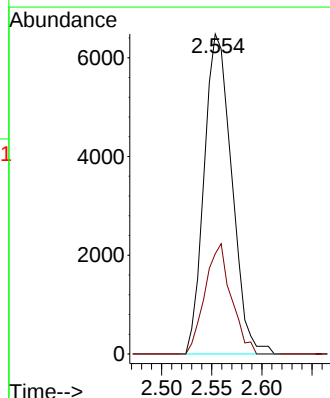
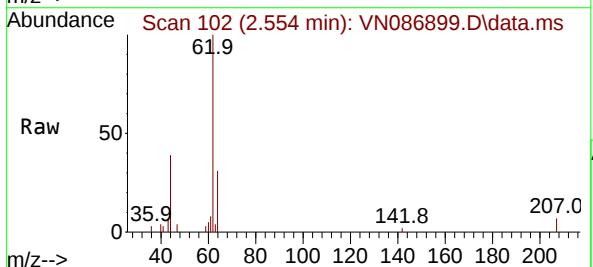
Instrument :
MSVOA_N
ClientSampleId :
WC-A2-05-G

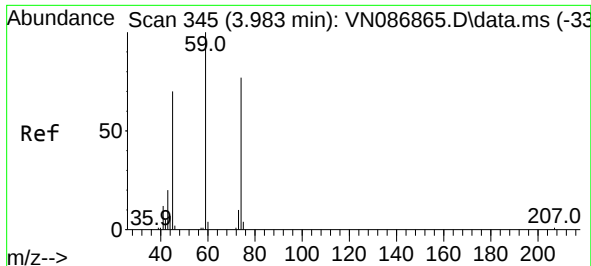
Tgt Ion:168 Resp: 396308
Ion Ratio Lower Upper
168 100
99 55.2 49.1 73.7



#4
Vinyl Chloride
Concen: 2.359 ug/l
RT: 2.554 min Scan# 102
Delta R.T. -0.000 min
Lab File: VN086899.D
Acq: 09 Jun 2025 12:59

Tgt Ion: 62 Resp: 12417
Ion Ratio Lower Upper
62 100
64 31.3 26.0 39.0

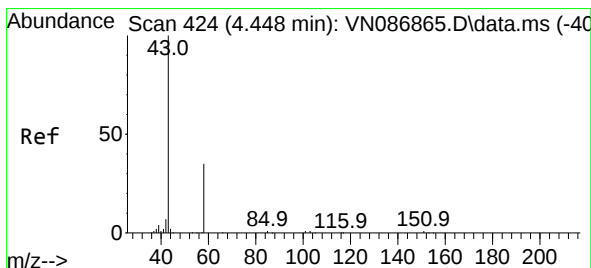
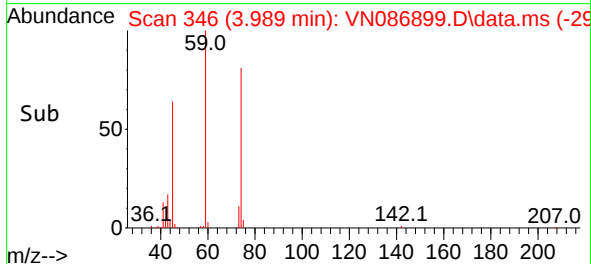
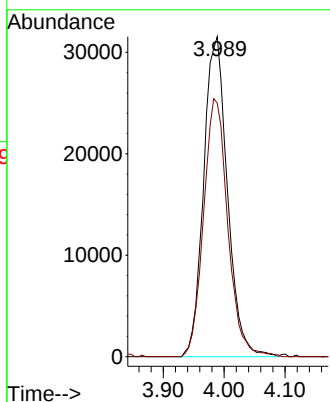
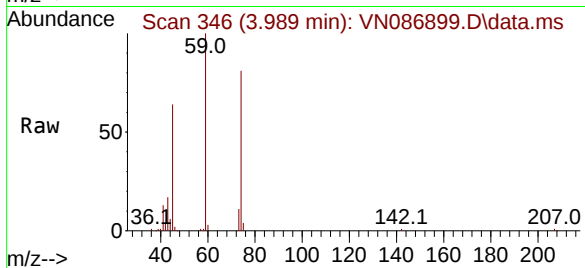




#8
Diethyl Ether
Concen: 28.601 ug/l
RT: 3.989 min Scan# 345
Delta R.T. 0.006 min
Lab File: VN086899.D
Acq: 09 Jun 2025 12:59

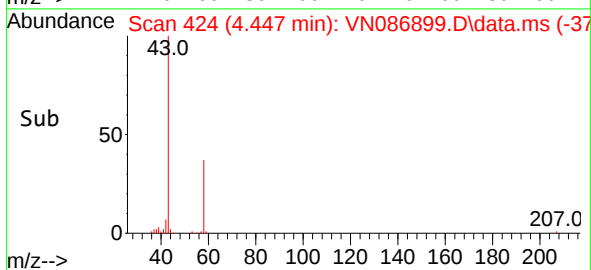
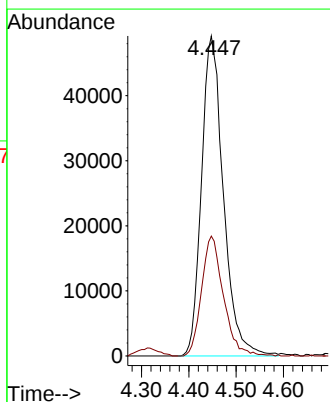
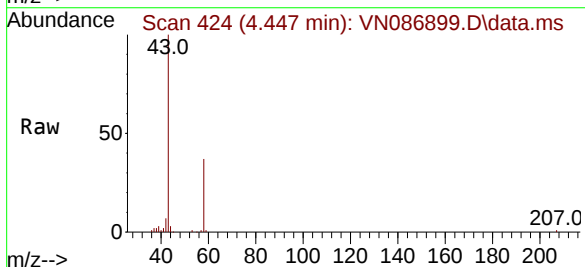
Instrument :
MSVOA_N
ClientSampleId :
WC-A2-05-G

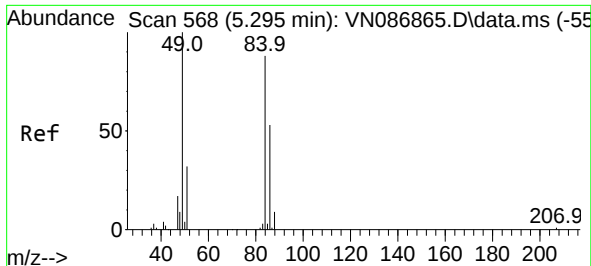
Tgt Ion: 74 Resp: 85698
Ion Ratio Lower Upper
74 100
45 82.0 45.5 136.5



#16
Acetone
Concen: 56.119 ug/l
RT: 4.447 min Scan# 424
Delta R.T. -0.000 min
Lab File: VN086899.D
Acq: 09 Jun 2025 12:59

Tgt Ion: 43 Resp: 157911
Ion Ratio Lower Upper
43 100
58 37.4 28.0 42.0

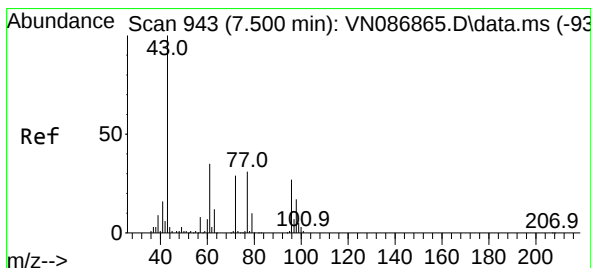
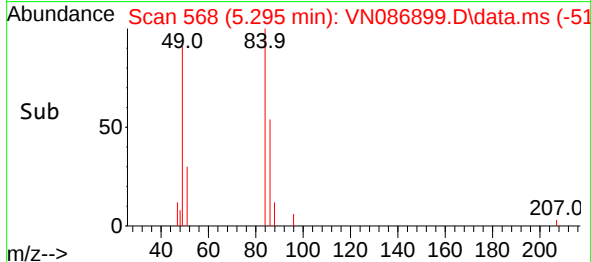
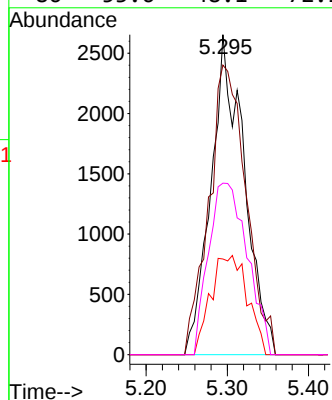
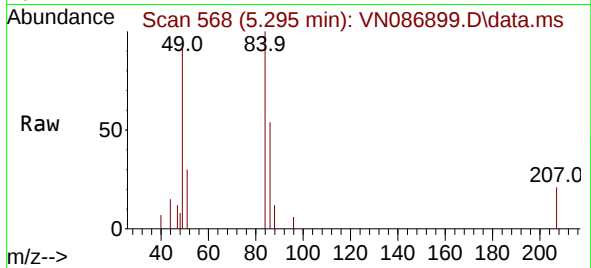




#20
Methylene Chloride
Concen: 1.431 ug/l
RT: 5.295 min Scan# 51
Delta R.T. -0.000 min
Lab File: VN086899.D
Acq: 09 Jun 2025 12:59

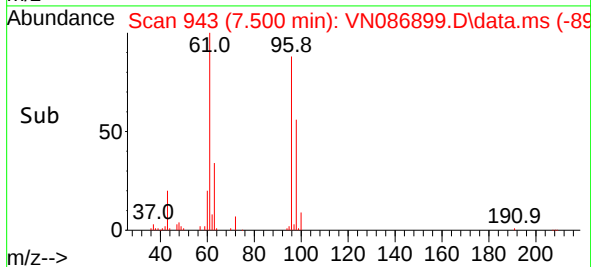
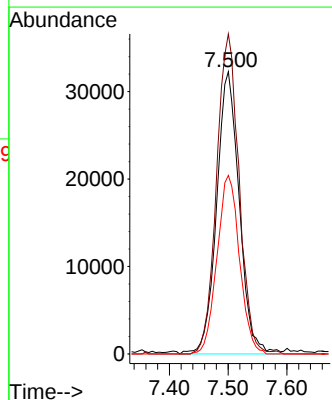
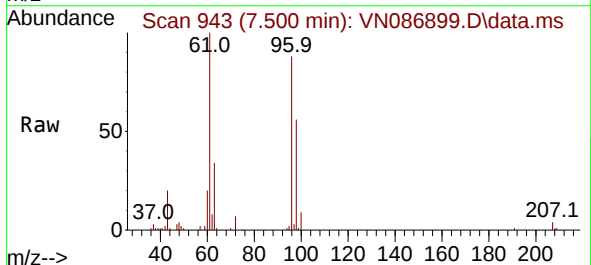
Instrument :
MSVOA_N
ClientSampleId :
WC-A2-05-G

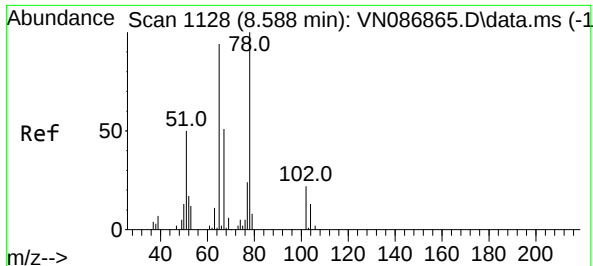
Tgt Ion:	84	Resp:	7539
Ion	Ratio	Lower	Upper
84	100		
49	90.5	90.5	135.7
51	29.9	28.5	42.7
86	53.6	48.1	72.1



#27
cis-1,2-Dichloroethene
Concen: 14.709 ug/l
RT: 7.500 min Scan# 943
Delta R.T. -0.000 min
Lab File: VN086899.D
Acq: 09 Jun 2025 12:59

Tgt Ion:	96	Resp:	86333
Ion	Ratio	Lower	Upper
96	100		
61	112.5	0.0	278.0
98	62.7	0.0	128.2





#33

1,2-Dichloroethane-d4

Concen: 41.508 ug/l

RT: 8.588 min Scan# 1128

Delta R.T. -0.000 min

Lab File: VN086899.D

Acq: 09 Jun 2025 12:59

Instrument :

MSVOA_N

ClientSampleId :

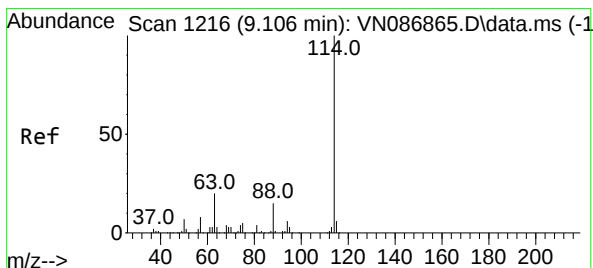
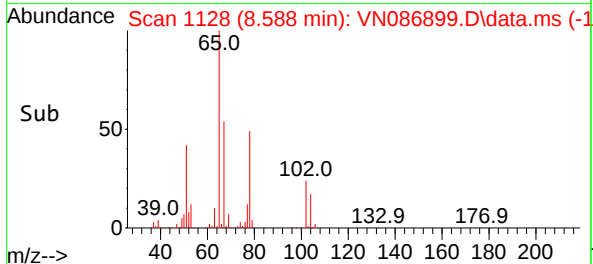
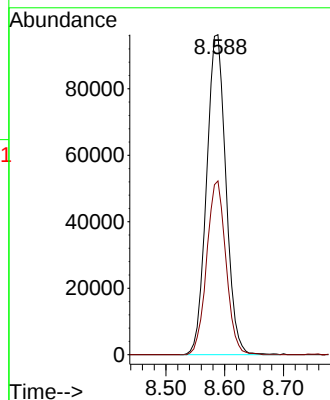
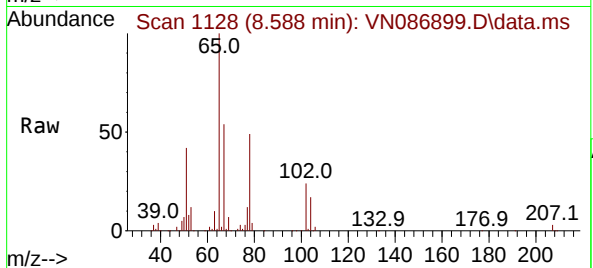
WC-A2-05-G

Tgt Ion: 65 Resp: 220244

Ion Ratio Lower Upper

65 100

67 54.0 0.0 105.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. -0.000 min

Lab File: VN086899.D

Acq: 09 Jun 2025 12:59

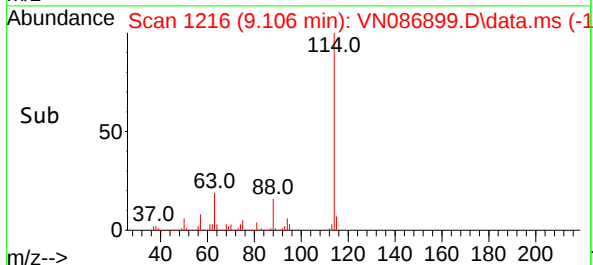
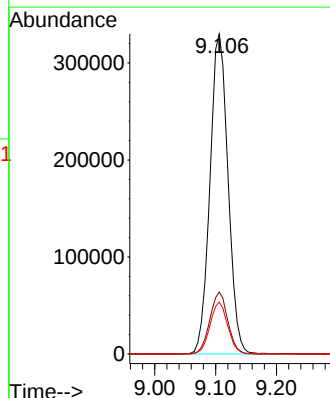
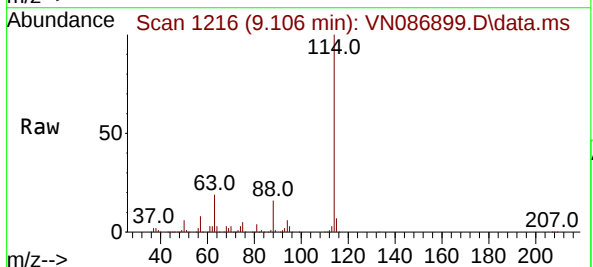
Tgt Ion: 114 Resp: 680731

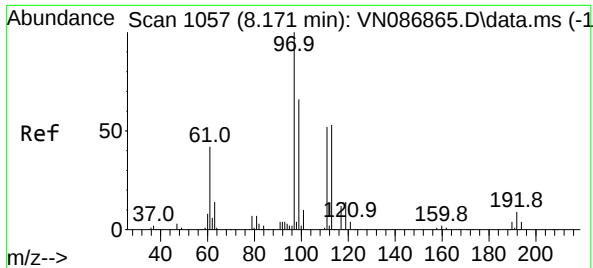
Ion Ratio Lower Upper

114 100

63 19.4 0.0 39.6

88 16.2 0.0 30.2

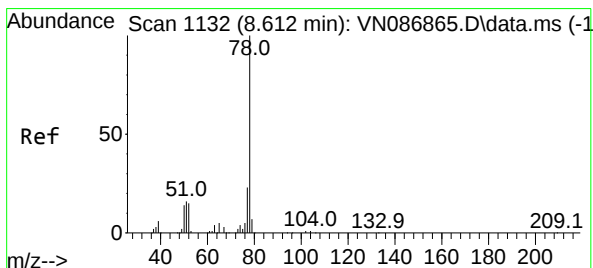
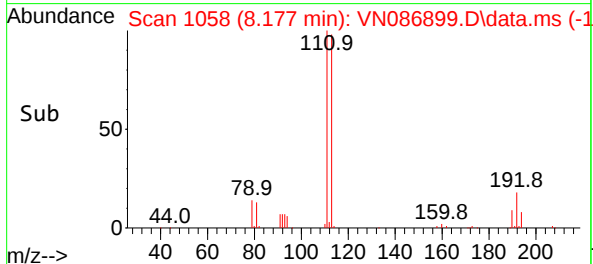
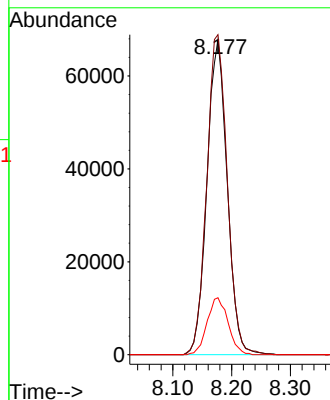
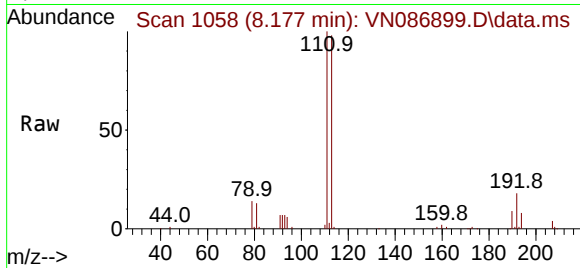




#35
Dibromofluoromethane
Concen: 40.224 ug/l
RT: 8.177 min Scan# 1057
Delta R.T. 0.006 min
Lab File: VN086899.D
Acq: 09 Jun 2025 12:59

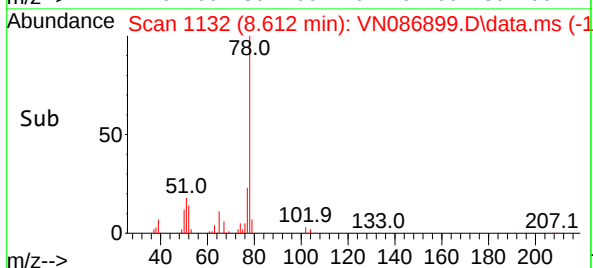
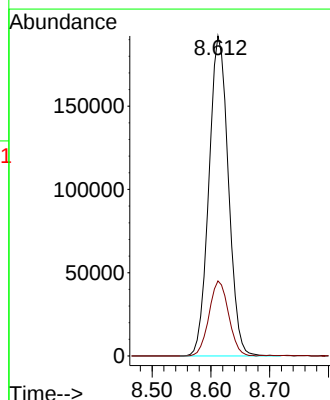
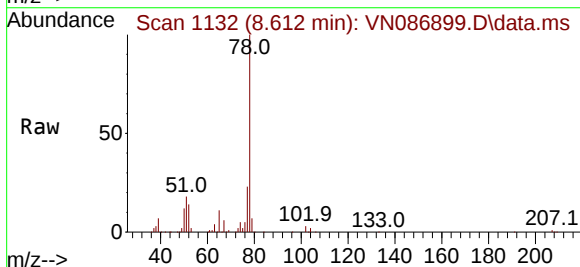
Instrument :
MSVOA_N
ClientSampleId :
WC-A2-05-G

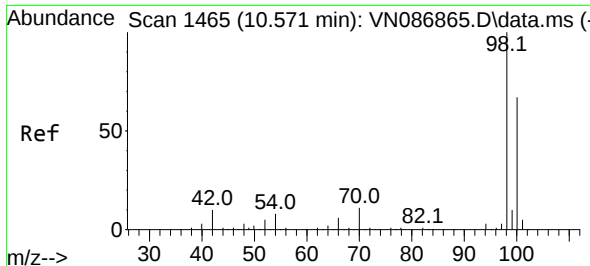
Tgt Ion:113 Resp: 162269
Ion Ratio Lower Upper
113 100
111 103.1 84.2 126.2
192 18.7 14.2 21.4



#40
Benzene
Concen: 22.459 ug/l
RT: 8.612 min Scan# 1132
Delta R.T. -0.000 min
Lab File: VN086899.D
Acq: 09 Jun 2025 12:59

Tgt Ion: 78 Resp: 441489
Ion Ratio Lower Upper
78 100
77 23.5 18.7 28.1

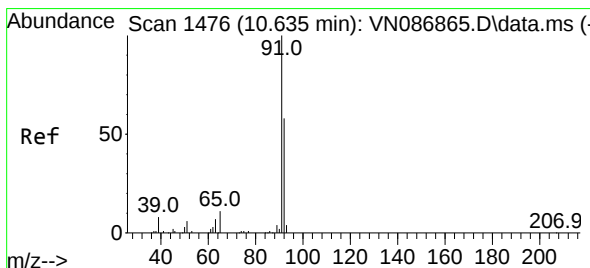
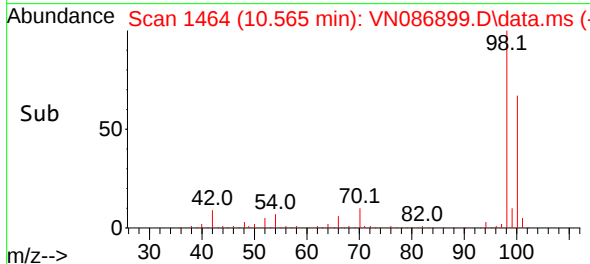
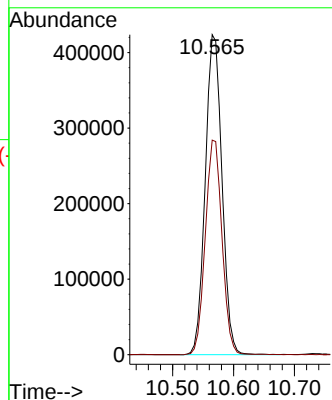
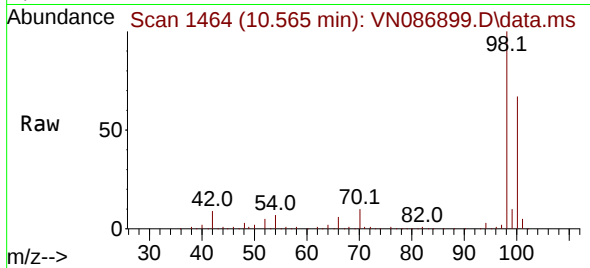




#50
Toluene-d8
Concen: 50.611 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.006 min
Lab File: VN086899.D
Acq: 09 Jun 2025 12:59

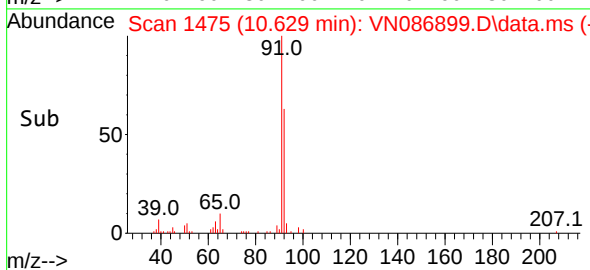
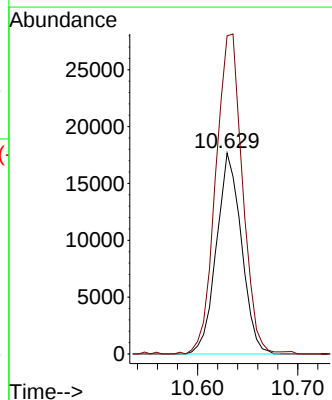
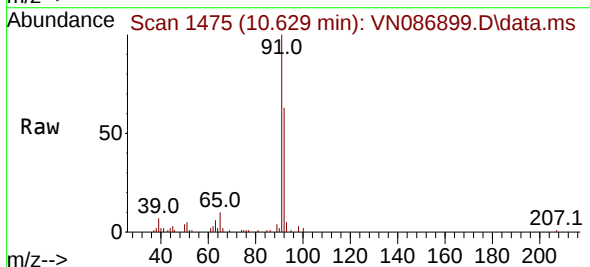
Instrument :
MSVOA_N
ClientSampleId :
WC-A2-05-G

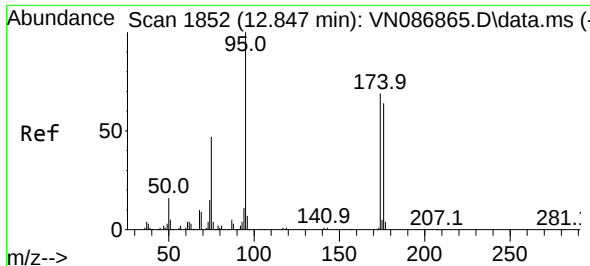
Tgt Ion: 98 Resp: 808270
Ion Ratio Lower Upper
98 100
100 67.0 53.4 80.0



#52
Toluene
Concen: 2.542 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. -0.006 min
Lab File: VN086899.D
Acq: 09 Jun 2025 12:59

Tgt Ion: 92 Resp: 30536
Ion Ratio Lower Upper
92 100
91 171.1 136.5 204.7

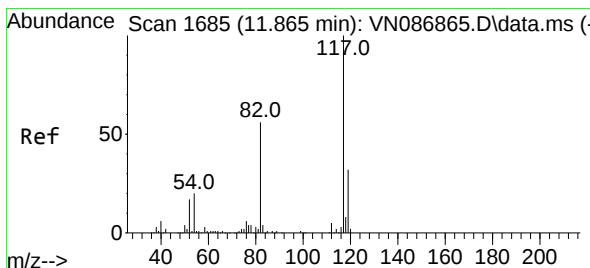
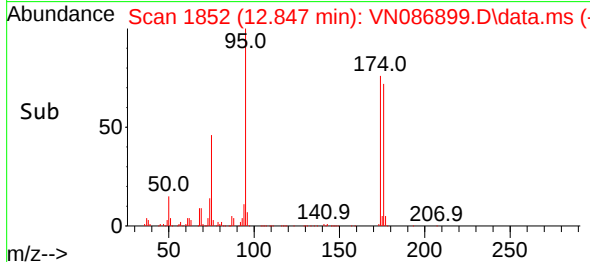
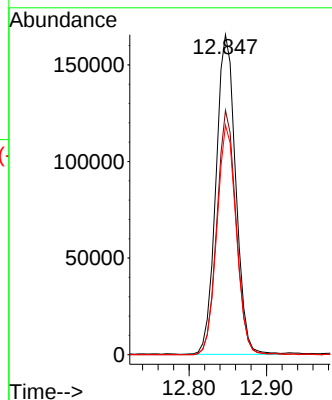
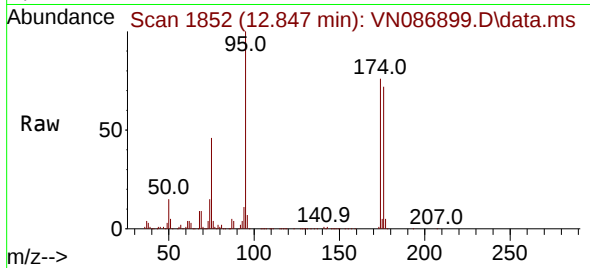




#62
4-Bromofluorobenzene
Concen: 49.247 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086899.D
Acq: 09 Jun 2025 12:59

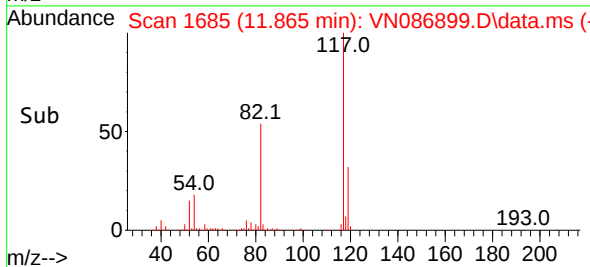
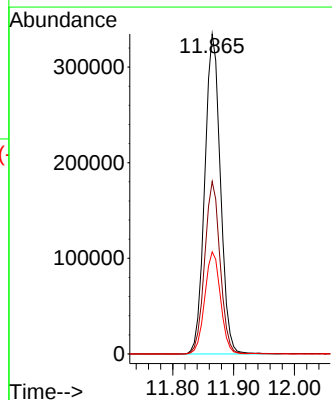
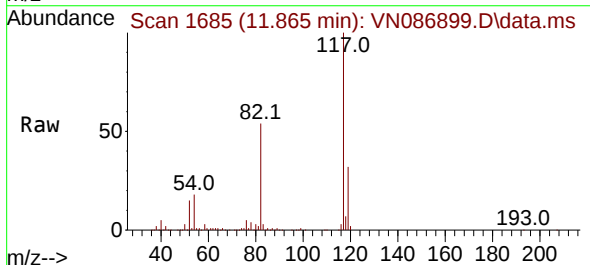
Instrument :
MSVOA_N
ClientSampleId :
WC-A2-05-G

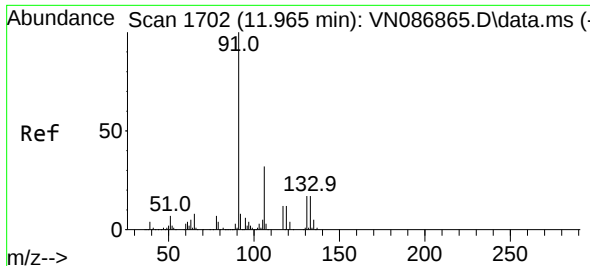
Tgt Ion: 95 Resp: 292203
Ion Ratio Lower Upper
95 100
174 74.2 0.0 141.8
176 70.7 0.0 132.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN086899.D
Acq: 09 Jun 2025 12:59

Tgt Ion: 117 Resp: 597431
Ion Ratio Lower Upper
117 100
82 53.9 44.6 67.0
119 31.9 25.5 38.3

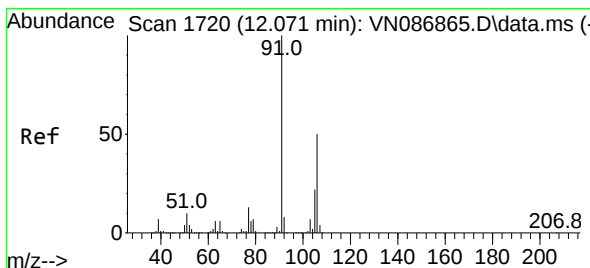
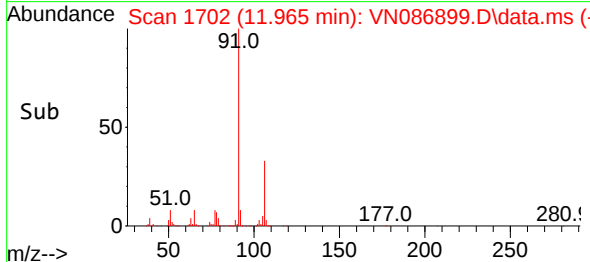
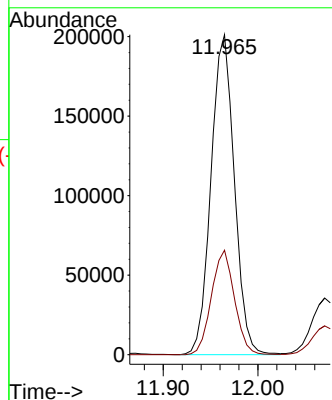
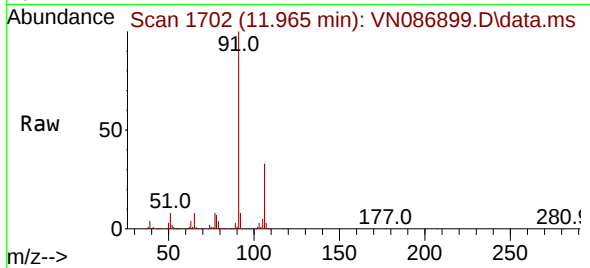




#67
Ethyl Benzene
Concen: 15.233 ug/l
RT: 11.965 min Scan# 1702
Delta R.T. -0.000 min
Lab File: VN086899.D
Acq: 09 Jun 2025 12:59

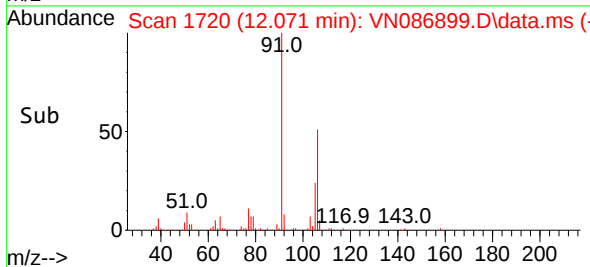
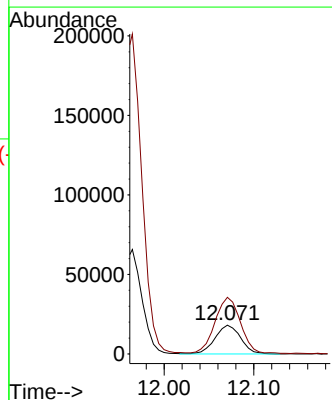
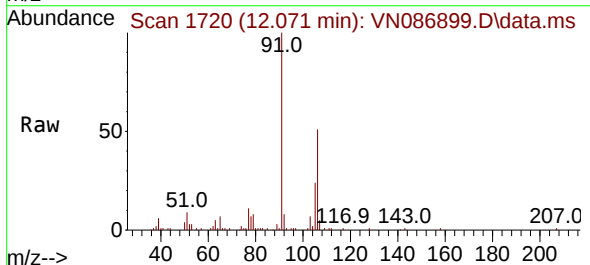
Instrument :
MSVOA_N
ClientSampleId :
WC-A2-05-G

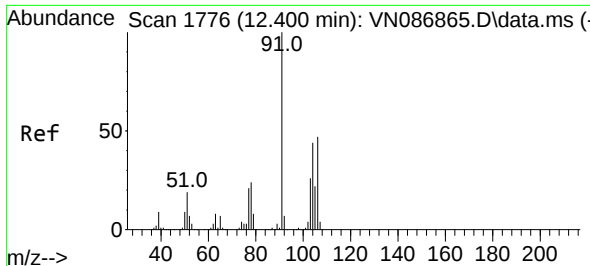
Tgt Ion: 91 Resp: 345726
Ion Ratio Lower Upper
91 100
106 32.7 25.4 38.2



#68
m/p-Xylenes
Concen: 4.128 ug/l
RT: 12.071 min Scan# 1720
Delta R.T. -0.000 min
Lab File: VN086899.D
Acq: 09 Jun 2025 12:59

Tgt Ion: 106 Resp: 35869
Ion Ratio Lower Upper
106 100
91 195.2 159.4 239.0

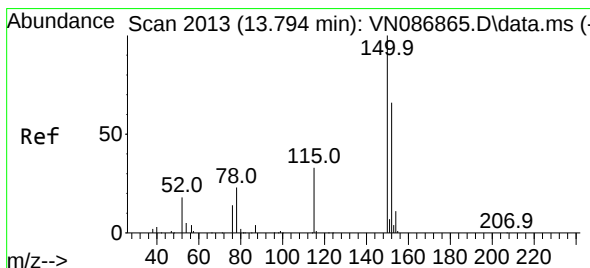
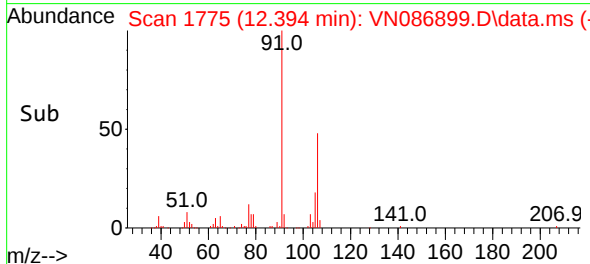
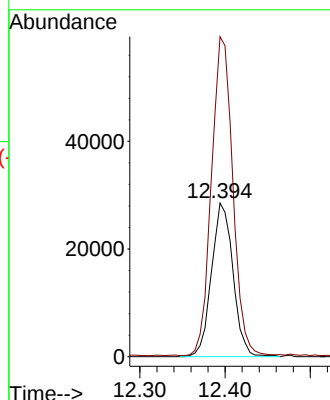
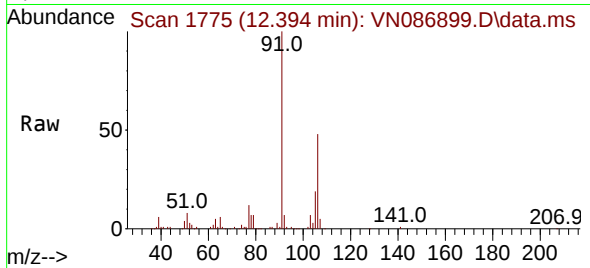




#69
o-Xylene
Concen: 6.005 ug/l
RT: 12.394 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN086899.D
Acq: 09 Jun 2025 12:59

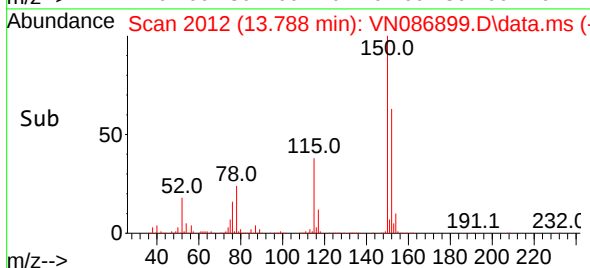
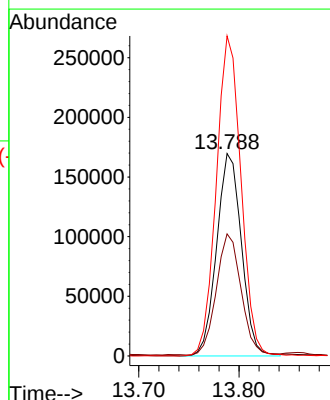
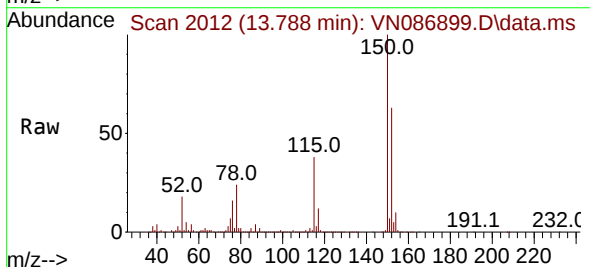
Instrument :
MSVOA_N
ClientSampleId :
WC-A2-05-G

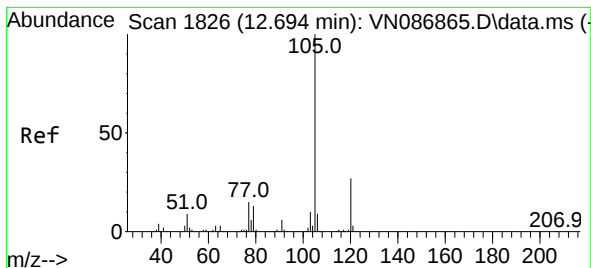
Tgt Ion:106 Resp: 49970
Ion Ratio Lower Upper
106 100
91 206.5 106.1 318.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.006 min
Lab File: VN086899.D
Acq: 09 Jun 2025 12:59

Tgt Ion:152 Resp: 290954
Ion Ratio Lower Upper
152 100
115 59.5 30.1 90.5
150 157.4 0.0 345.0





#73

Isopropylbenzene

Concen: 3.062 ug/l

RT: 12.694 min Scan# 1826

Delta R.T. -0.000 min

Lab File: VN086899.D

Acq: 09 Jun 2025 12:59

Instrument :

MSVOA_N

ClientSampleId :

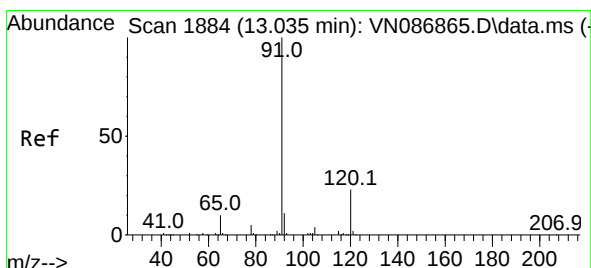
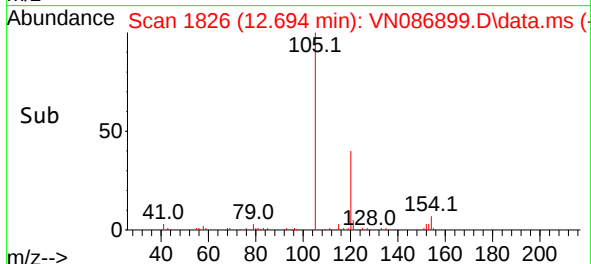
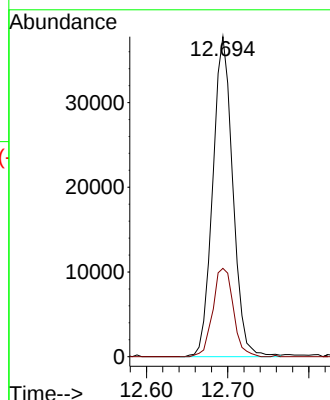
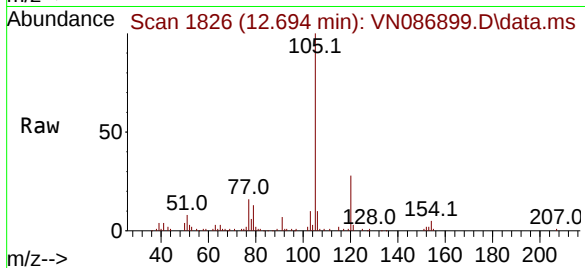
WC-A2-05-G

Tgt Ion:105 Resp: 64903

Ion Ratio Lower Upper

105 100

120 28.3 13.5 40.4



#78

n-propylbenzene

Concen: 1.219 ug/l

RT: 13.035 min Scan# 1884

Delta R.T. -0.000 min

Lab File: VN086899.D

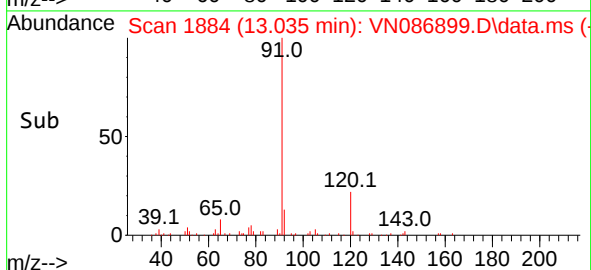
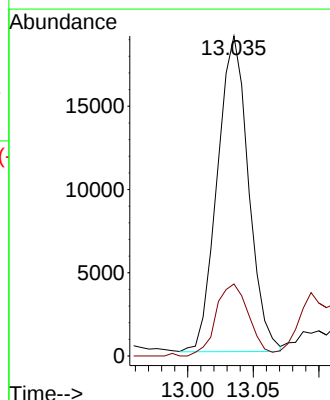
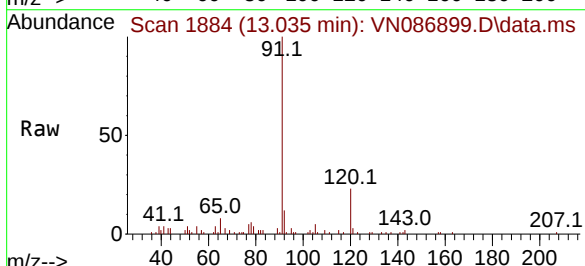
Acq: 09 Jun 2025 12:59

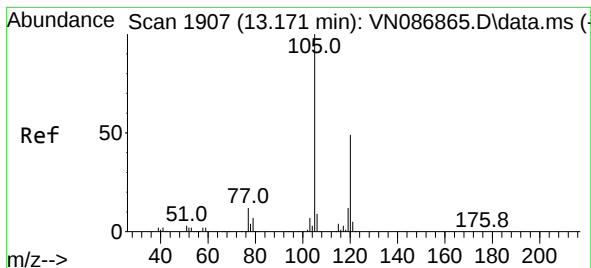
Tgt Ion: 91 Resp: 31390

Ion Ratio Lower Upper

91 100

120 23.9 11.4 34.2





#80

1,3,5-Trimethylbenzene

Concen: 1.192 ug/l

RT: 13.170 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VN086899.D

Acq: 09 Jun 2025 12:59

Instrument :

MSVOA_N

ClientSampleId :

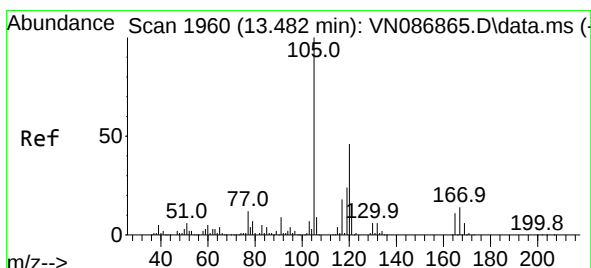
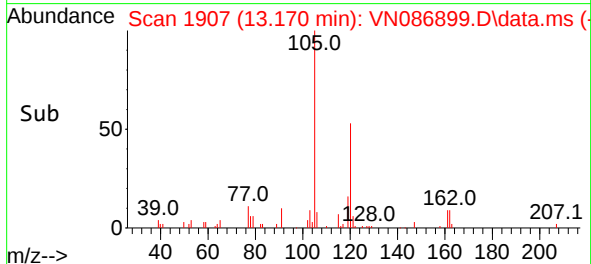
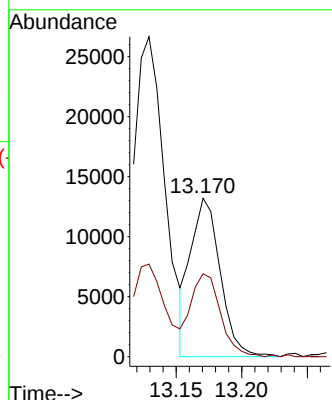
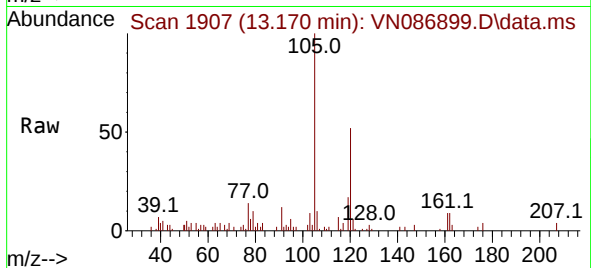
WC-A2-05-G

Tgt Ion:105 Resp: 20865

Ion Ratio Lower Upper

105 100

120 52.0 24.9 74.6



#84

1,2,4-Trimethylbenzene

Concen: 5.878 ug/l

RT: 13.476 min Scan# 1959

Delta R.T. -0.006 min

Lab File: VN086899.D

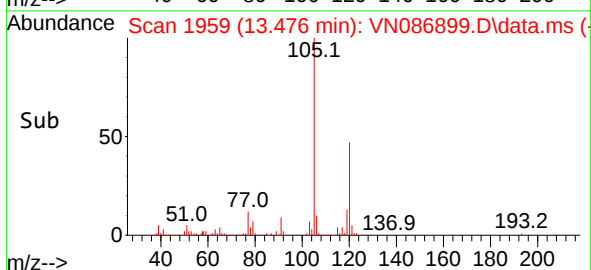
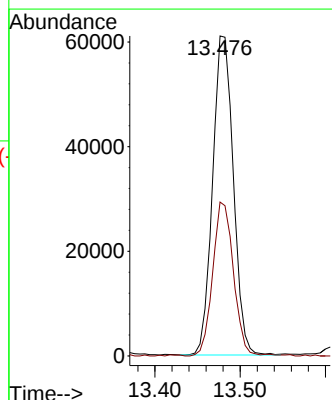
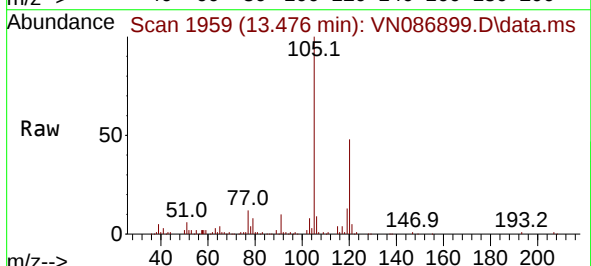
Acq: 09 Jun 2025 12:59

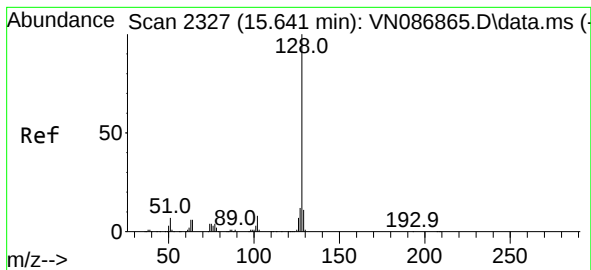
Tgt Ion:105 Resp: 103145

Ion Ratio Lower Upper

105 100

120 48.5 23.2 69.6





#95

Naphthalene

Concen: 351.295 ug/l

RT: 15.635 min Scan# 21

Delta R.T. -0.006 min

Lab File: VN086899.D

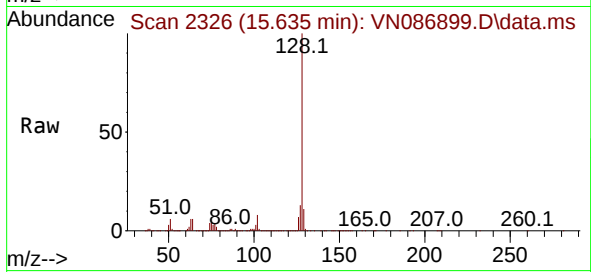
Acq: 09 Jun 2025 12:59

Instrument :

MSVOA_N

ClientSampleId :

WC-A2-05-G



Tgt Ion:128 Resp: 7672167

Ion Ratio Lower Upper

128 100

127 12.8 10.2 15.2

129 11.1 8.8 13.2

