

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050925\
 Data File : VN086563.D
 Acq On : 09 May 2025 15:31
 Operator : JC\MD
 Sample : Q1980-04DL 40X
 Misc : 1.22g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 3848DL

Quant Time: May 09 23:29:38 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N041525W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 16 04:19:23 2025
 Response via : Initial Calibration

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

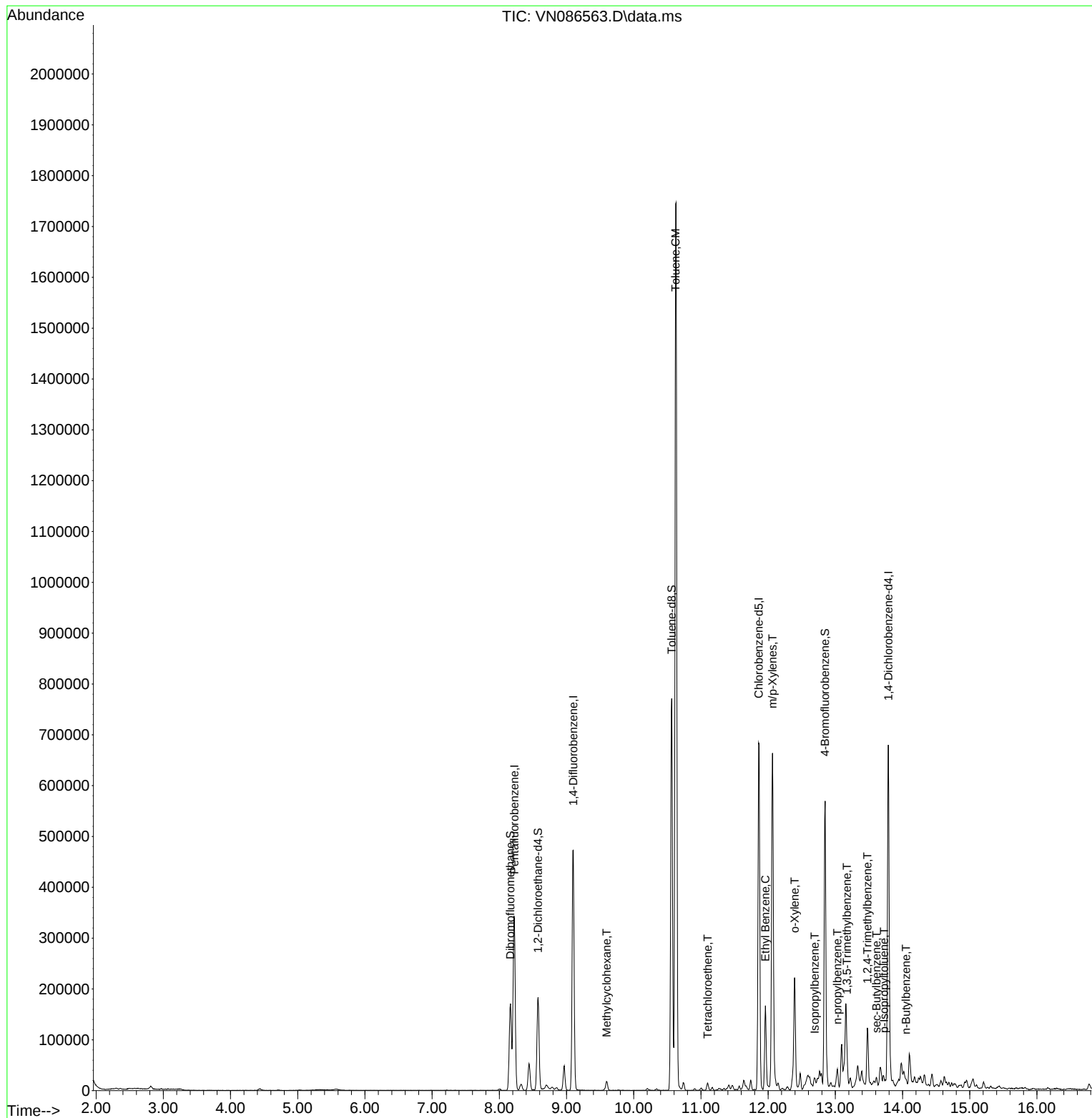
Internal Standards						
1) Pentafluorobenzene	8.224	168	237391	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	433960	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.859	117	418243	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	187811	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	154233	44.804	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 89.600%			
35) Dibromofluoromethane	8.165	113	127806	63.457	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 126.920%#			
50) Toluene-d8	10.565	98	549502	51.049	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 102.100%			
62) 4-Bromofluorobenzene	12.847	95	205955	52.457	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 104.920%			
Target Compounds						Qvalue
39) Methylcyclohexane	9.594	83	8178	1.710	ug/l #	92
52) Toluene	10.624	92	809560	100.664	ug/l	99
64) Tetrachloroethene	11.100	164	3517	1.093	ug/l #	82
67) Ethyl Benzene	11.959	91	118835	7.055	ug/l	97
68) m/p-Xylenes	12.065	106	193993	30.739	ug/l	97
69) o-Xylene	12.394	106	60021	9.617	ug/l	97
73) Isopropylbenzene	12.694	105	8540	0.556	ug/l	97
78) n-propylbenzene	13.029	91	23508	1.299	ug/l	98
80) 1,3,5-Trimethylbenzene	13.171	105	19513	1.552	ug/l	99
84) 1,2,4-Trimethylbenzene	13.476	105	68984	5.390	ug/l	99
85) sec-Butylbenzene	13.612	105	10370	0.686	ug/l	95
86) p-Isopropyltoluene	13.723	119	4578	0.368	ug/l	96
89) n-Butylbenzene	14.053	91	9091	0.823	ug/l #	84

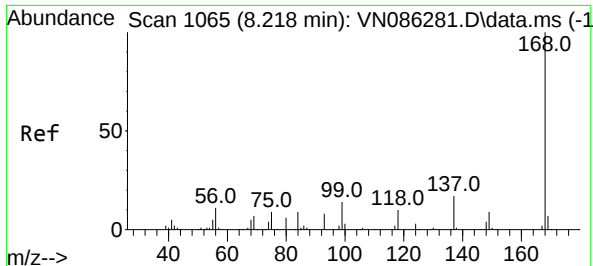
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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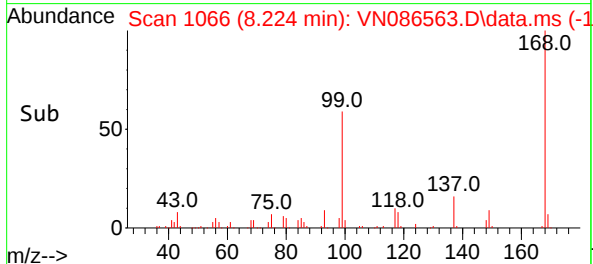
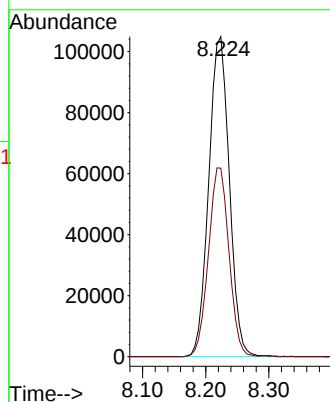
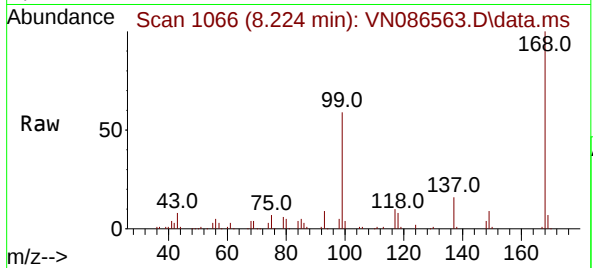




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1065
Delta R.T. 0.006 min
Lab File: VN086563.D
Acq: 09 May 2025 15:31

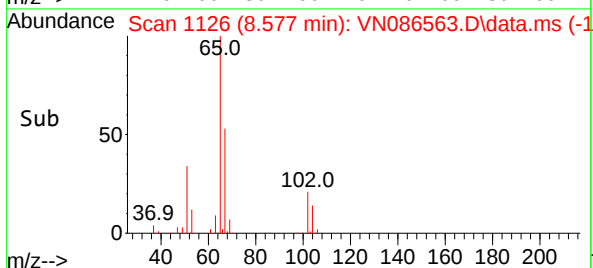
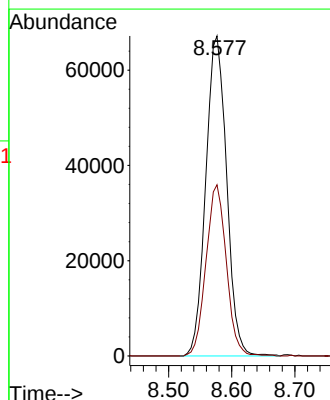
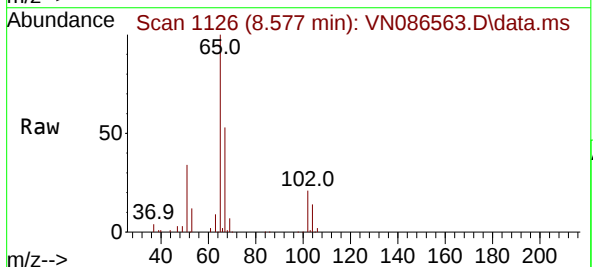
Instrument :
MSVOA_N
ClientSampleId :
3848DL

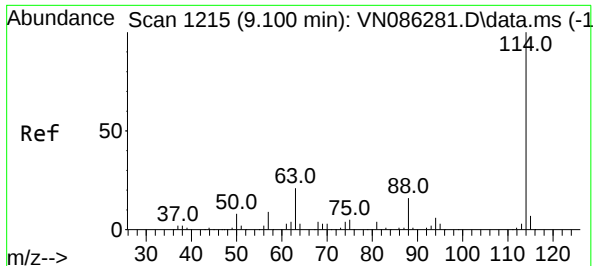
Tgt Ion:168 Resp: 237391
Ion Ratio Lower Upper
168 100
99 58.9 52.5 78.7



#33
1,2-Dichloroethane-d4
Concen: 44.804 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VN086563.D
Acq: 09 May 2025 15:31

Tgt Ion: 65 Resp: 154233
Ion Ratio Lower Upper
65 100
67 52.1 0.0 106.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN086563.D

Acq: 09 May 2025 15:31

Instrument :

MSVOA_N

ClientSampleId :

3848DL

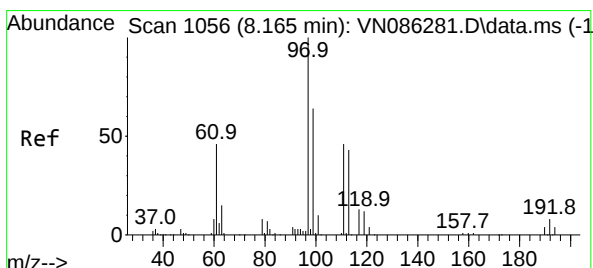
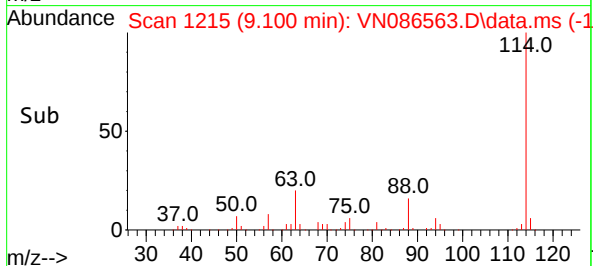
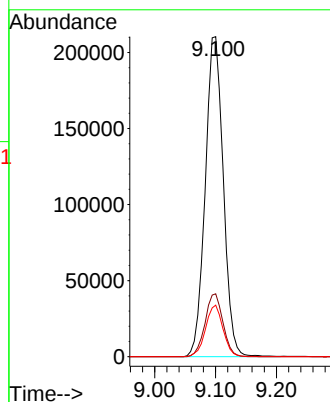
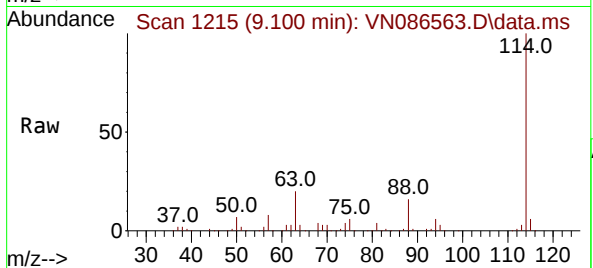
Tgt Ion:114 Resp: 433960

Ion Ratio Lower Upper

114 100

63 19.6 0.0 42.6

88 16.1 0.0 31.8



#35

Dibromofluoromethane

Concen: 63.457 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.000 min

Lab File: VN086563.D

Acq: 09 May 2025 15:31

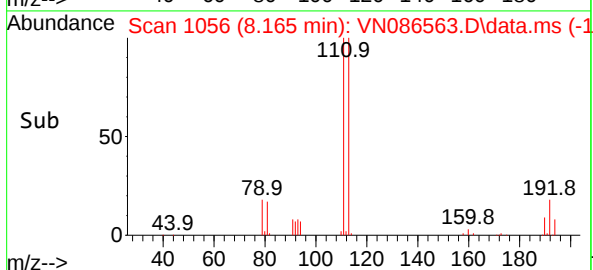
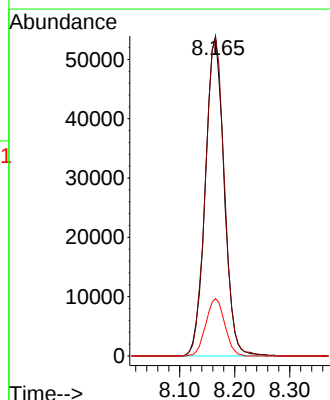
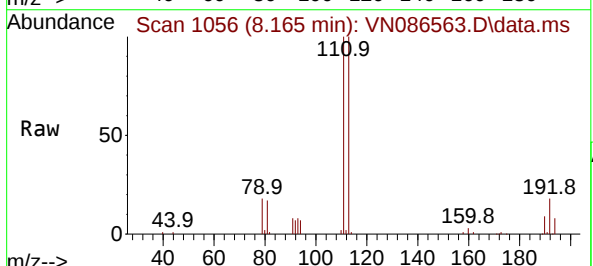
Tgt Ion:113 Resp: 127806

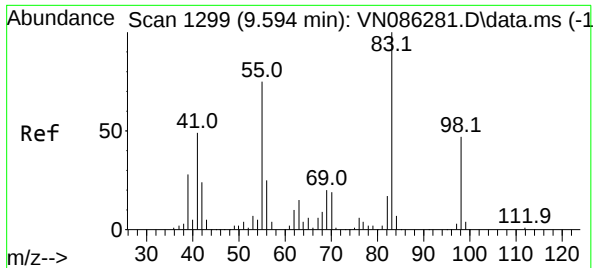
Ion Ratio Lower Upper

113 100

111 100.9 83.4 125.0

192 18.1 13.7 20.5





#39

Methylcyclohexane

Concen: 1.710 ug/l

RT: 9.594 min Scan# 1299

Delta R.T. 0.000 min

Lab File: VN086563.D

Acq: 09 May 2025 15:31

Instrument :

MSVOA_N

ClientSampleId :

3848DL

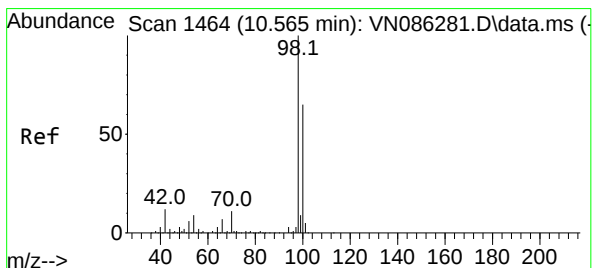
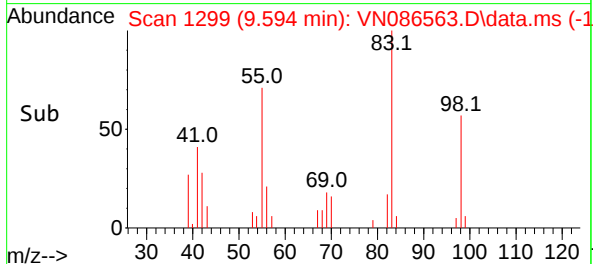
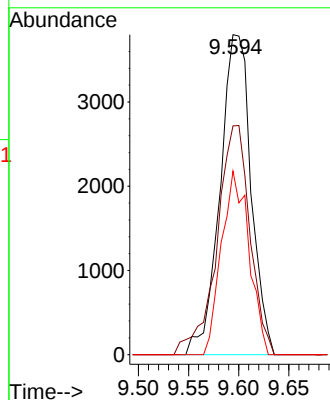
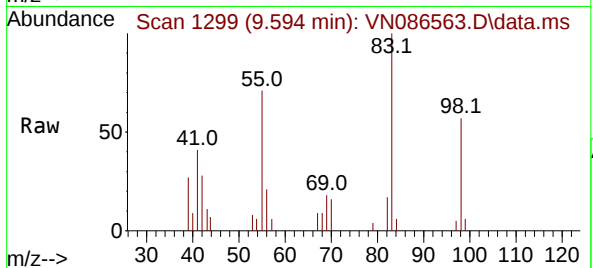
Tgt Ion: 83 Resp: 8178

Ion Ratio Lower Upper

83 100

55 71.5 59.8 89.8

98 57.4 37.9 56.9#



#50

Toluene-d8

Concen: 51.049 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. 0.000 min

Lab File: VN086563.D

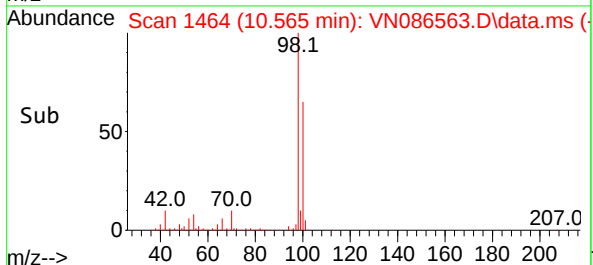
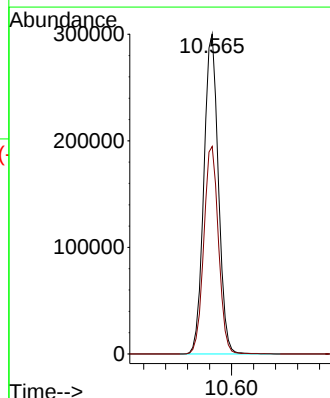
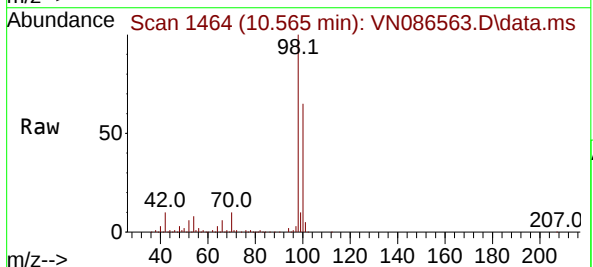
Acq: 09 May 2025 15:31

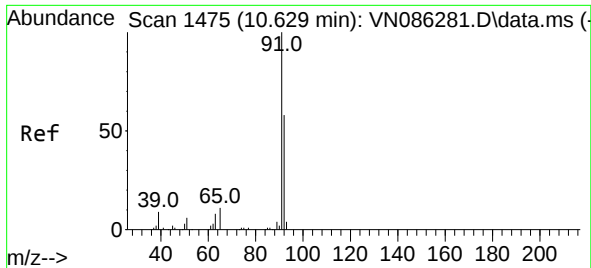
Tgt Ion: 98 Resp: 549502

Ion Ratio Lower Upper

98 100

100 65.6 52.5 78.7

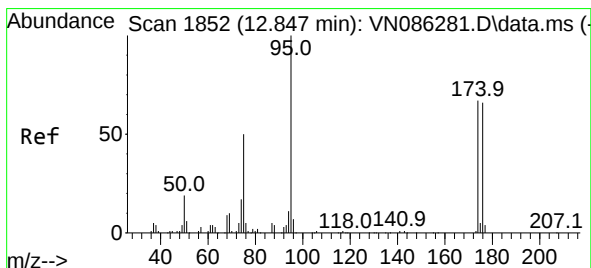
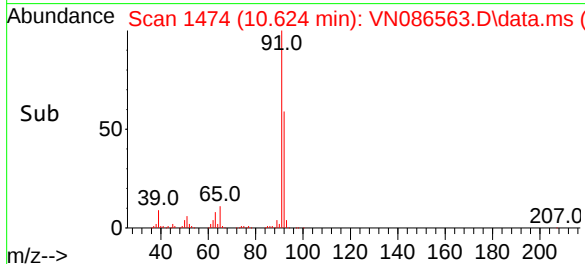
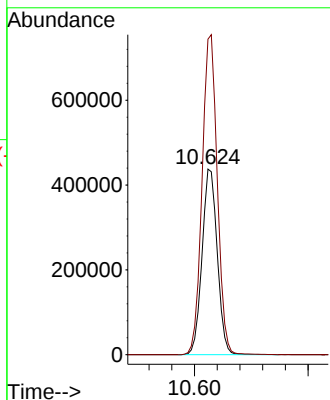
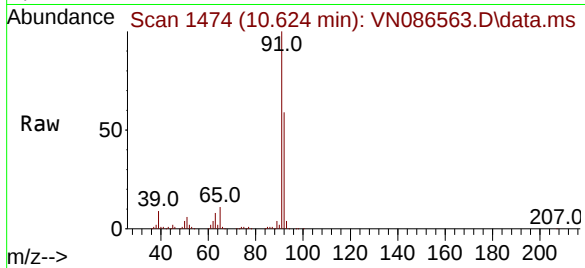




#52
Toluene
Concen: 100.664 ug/l
RT: 10.624 min Scan# 1474
Delta R.T. -0.006 min
Lab File: VN086563.D
Acq: 09 May 2025 15:31

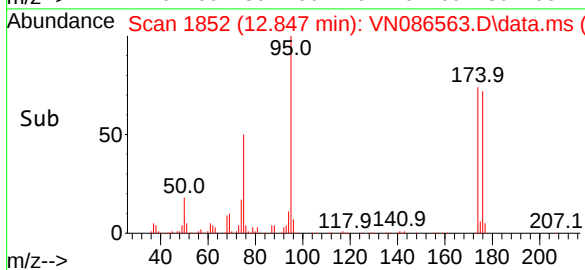
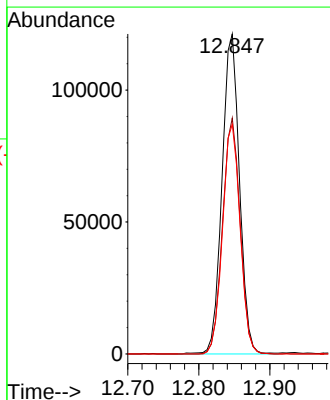
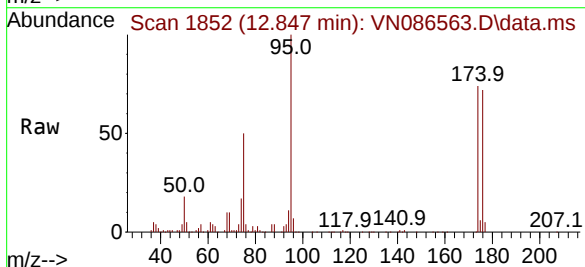
Instrument :
MSVOA_N
ClientSampleId :
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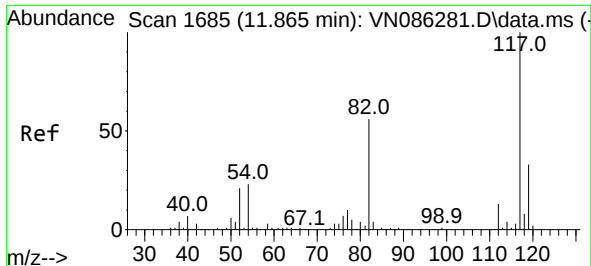
Tgt Ion: 92 Resp: 809560
Ion Ratio Lower Upper
92 100
91 172.7 137.3 205.9



#62
4-Bromofluorobenzene
Concen: 52.457 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN086563.D
Acq: 09 May 2025 15:31

Tgt Ion: 95 Resp: 205955
Ion Ratio Lower Upper
95 100
174 74.2 0.0 133.4
176 72.3 0.0 129.2

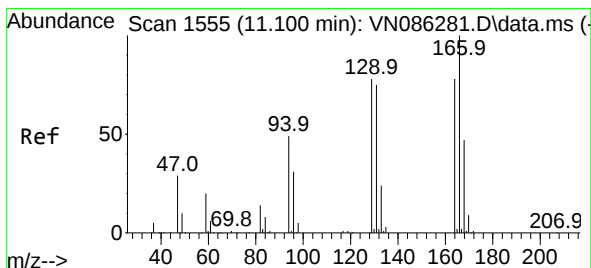
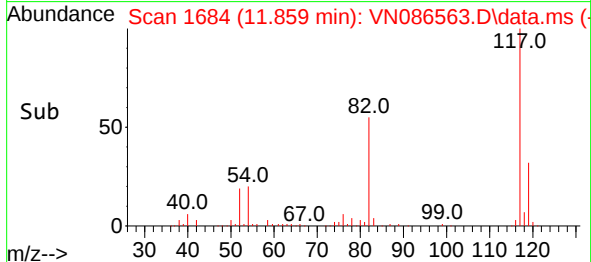
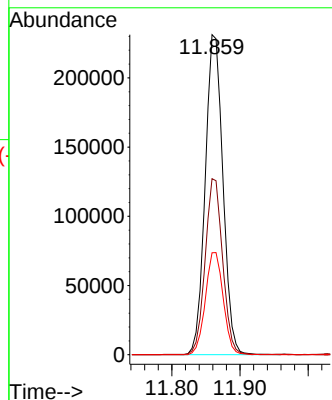
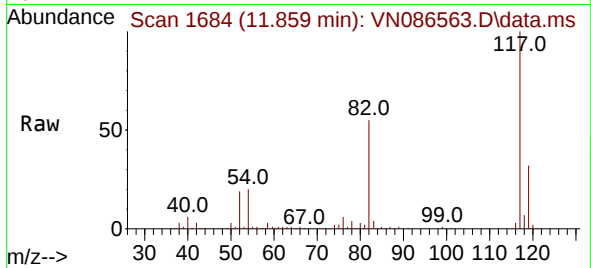




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.859 min Scan# 1685
Delta R.T. -0.006 min
Lab File: VN086563.D
Acq: 09 May 2025 15:31

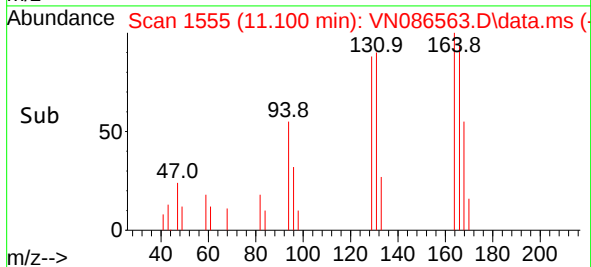
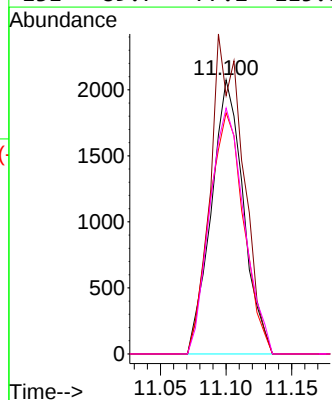
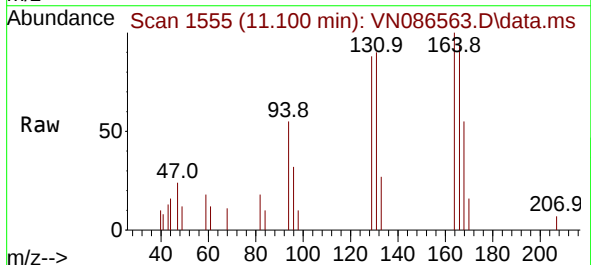
Instrument :
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ClientSampleId :
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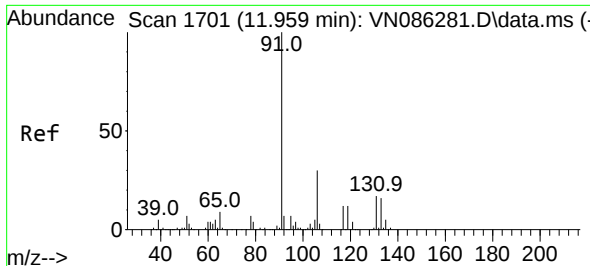
Tgt Ion:117 Resp: 418243
Ion Ratio Lower Upper
117 100
82 54.9 44.7 67.1
119 31.8 26.4 39.6



#64
Tetrachloroethene
Concen: 1.093 ug/l
RT: 11.100 min Scan# 1555
Delta R.T. 0.000 min
Lab File: VN086563.D
Acq: 09 May 2025 15:31

Tgt Ion:164 Resp: 3517
Ion Ratio Lower Upper
164 100
166 94.3 103.0 154.4#
129 88.0 80.1 120.1
131 89.7 77.2 115.8

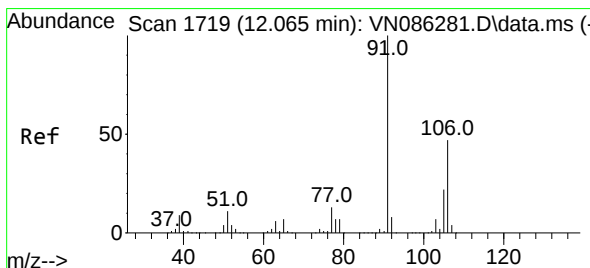
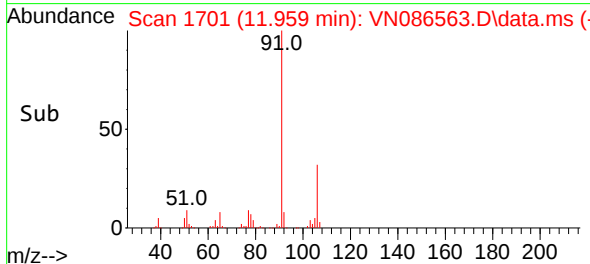
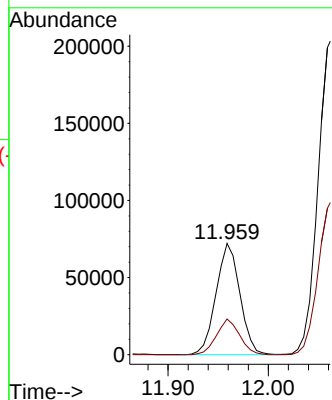
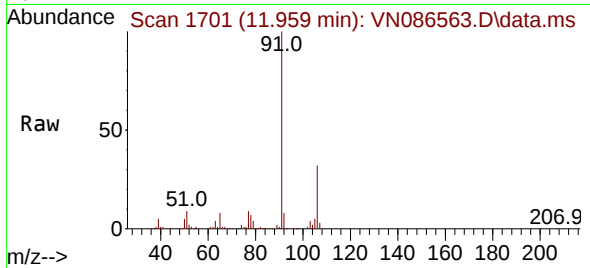




#67
Ethyl Benzene
Concen: 7.055 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VN086563.D
Acq: 09 May 2025 15:31

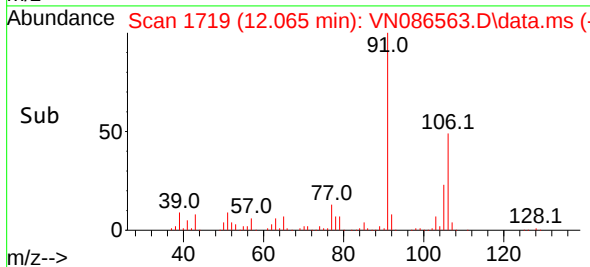
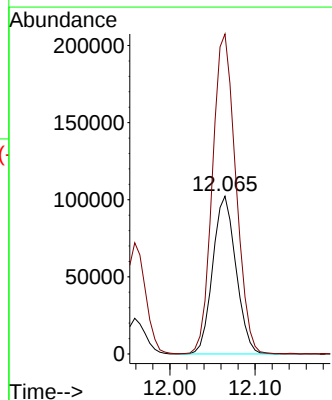
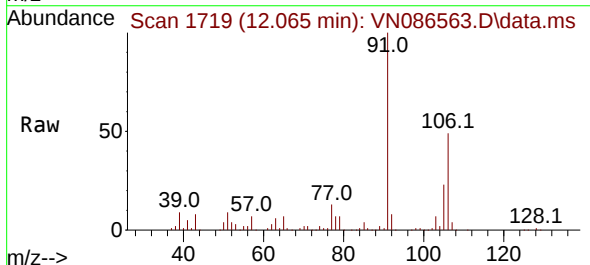
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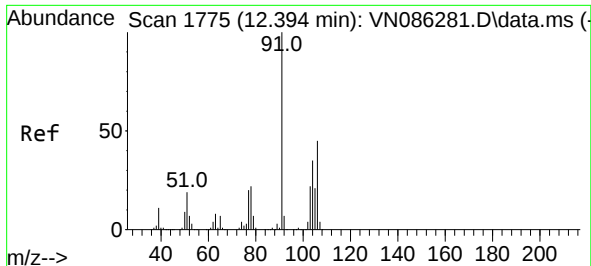
Tgt Ion: 91 Resp: 118835
Ion Ratio Lower Upper
91 100
106 32.1 24.3 36.5



#68
m/p-Xylenes
Concen: 30.739 ug/l
RT: 12.065 min Scan# 1719
Delta R.T. 0.000 min
Lab File: VN086563.D
Acq: 09 May 2025 15:31

Tgt Ion:106 Resp: 193993
Ion Ratio Lower Upper
106 100
91 203.8 166.5 249.7

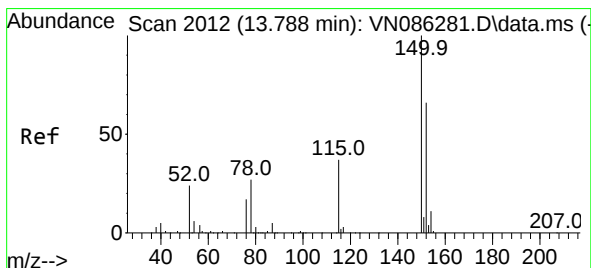
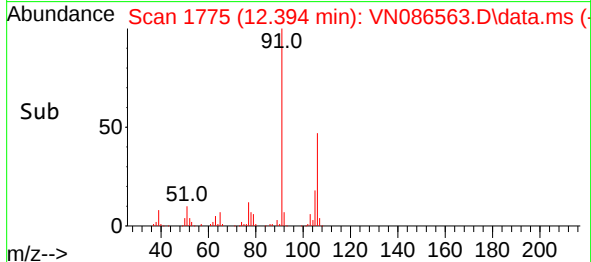
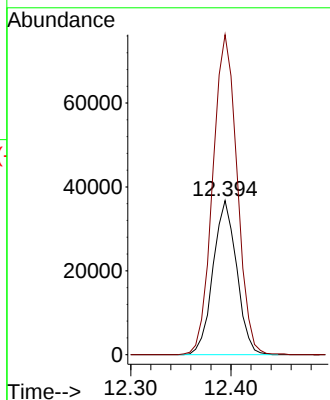
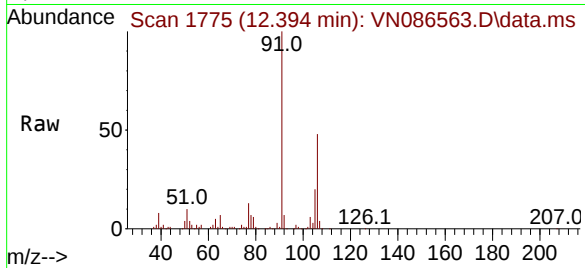




#69
o-Xylene
Concen: 9.617 ug/l
RT: 12.394 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN086563.D
Acq: 09 May 2025 15:31

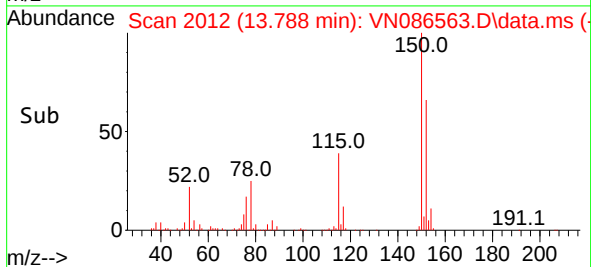
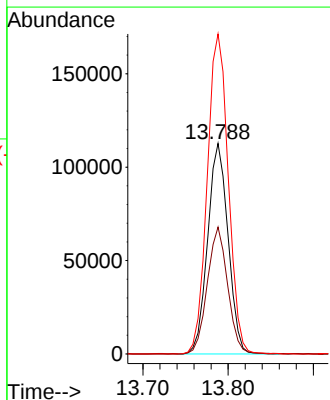
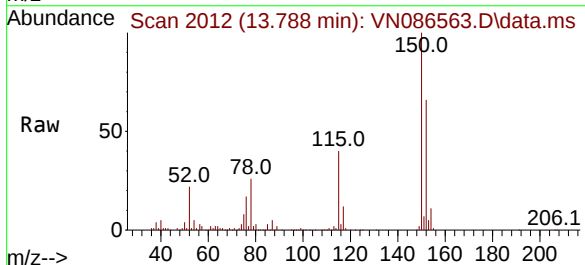
Instrument :
MSVOA_N
ClientSampleId :
3848DL

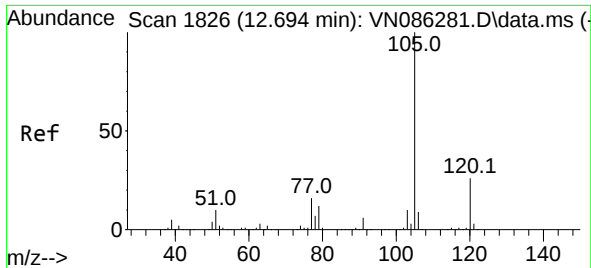
Tgt Ion:106 Resp: 60021
Ion Ratio Lower Upper
106 100
91 214.5 109.7 329.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN086563.D
Acq: 09 May 2025 15:31

Tgt Ion:152 Resp: 187811
Ion Ratio Lower Upper
152 100
115 60.1 31.9 95.9
150 156.8 0.0 352.0

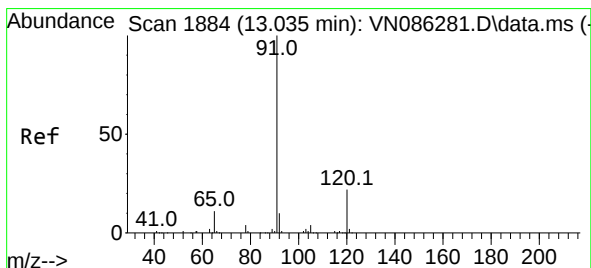
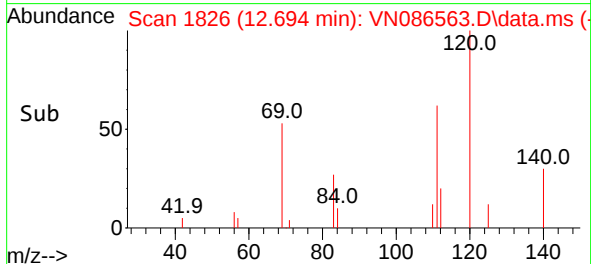
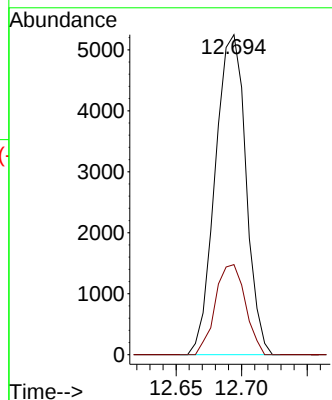
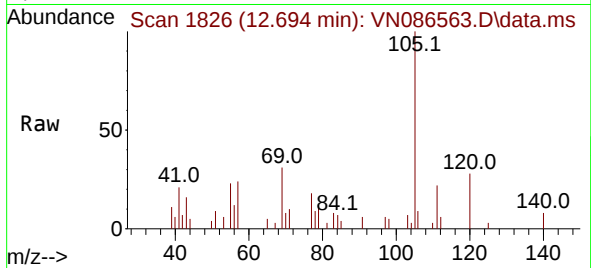




#73
Isopropylbenzene
Concen: 0.556 ug/l
RT: 12.694 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN086563.D
Acq: 09 May 2025 15:31

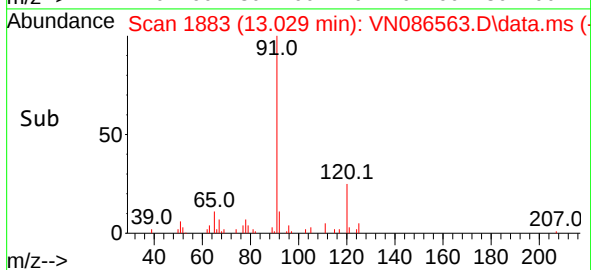
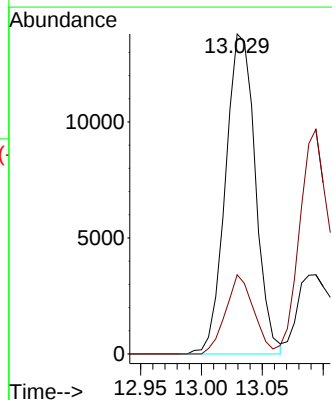
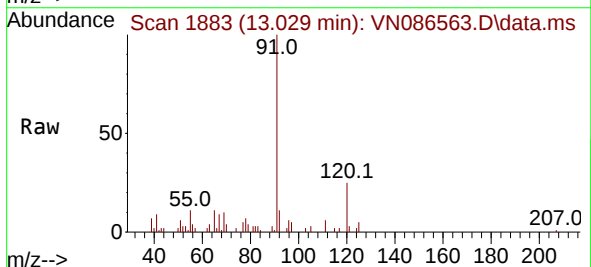
Instrument :
MSVOA_N
ClientSampleId :
3848DL

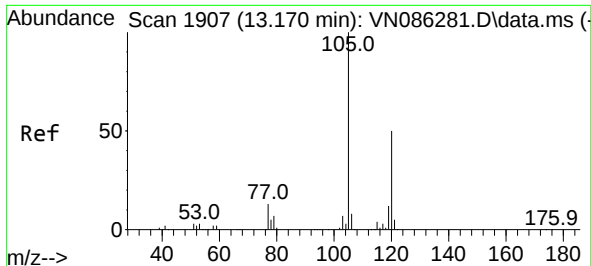
Tgt Ion:105 Resp: 8540
Ion Ratio Lower Upper
105 100
120 27.5 13.1 39.3



#78
n-propylbenzene
Concen: 1.299 ug/l
RT: 13.029 min Scan# 1883
Delta R.T. -0.006 min
Lab File: VN086563.D
Acq: 09 May 2025 15:31

Tgt Ion: 91 Resp: 23508
Ion Ratio Lower Upper
91 100
120 23.2 11.1 33.3

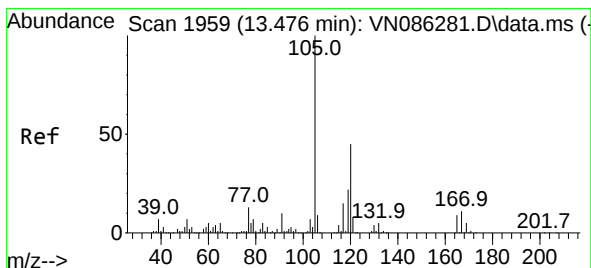
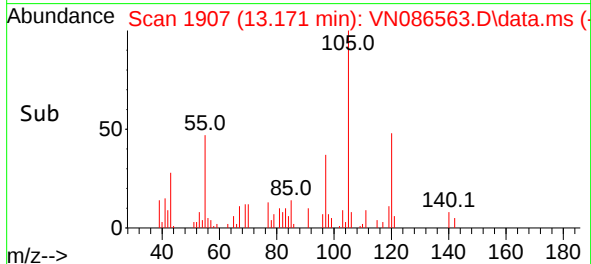
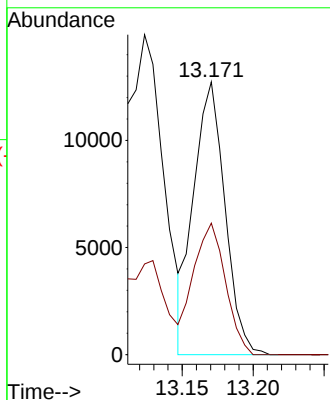
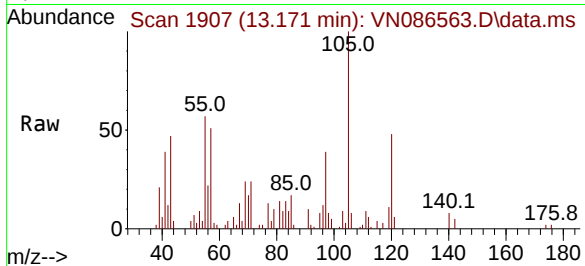




#80
 1,3,5-Trimethylbenzene
 Concen: 1.552 ug/l
 RT: 13.171 min Scan# 1907
 Delta R.T. 0.000 min
 Lab File: VN086563.D
 Acq: 09 May 2025 15:31

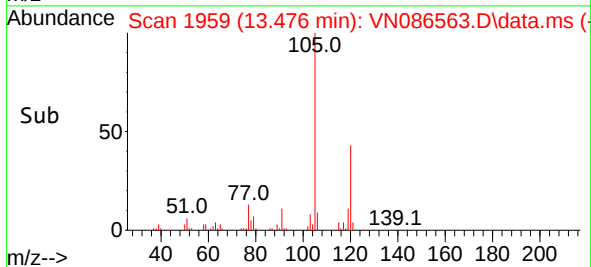
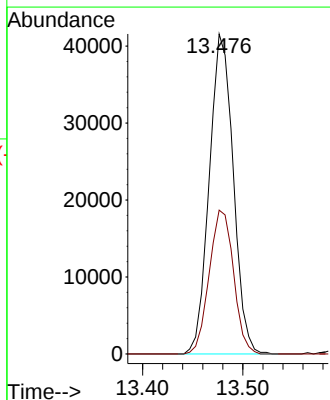
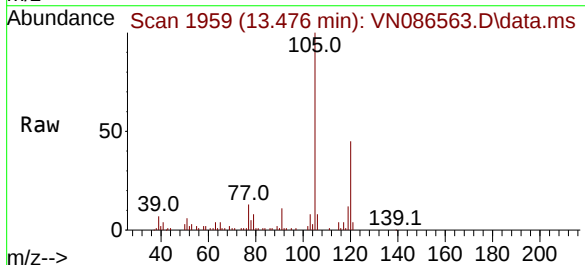
Instrument :
 MSVOA_N
 ClientSampleId :
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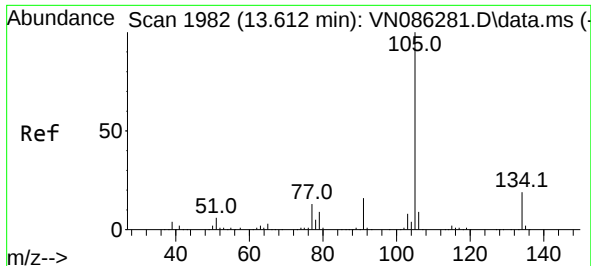
Tgt Ion:105 Resp: 19513
 Ion Ratio Lower Upper
 105 100
 120 49.6 24.5 73.5



#84
 1,2,4-Trimethylbenzene
 Concen: 5.390 ug/l
 RT: 13.476 min Scan# 1959
 Delta R.T. 0.000 min
 Lab File: VN086563.D
 Acq: 09 May 2025 15:31

Tgt Ion:105 Resp: 68984
 Ion Ratio Lower Upper
 105 100
 120 45.6 22.4 67.3

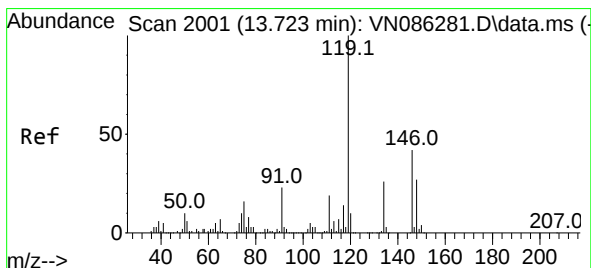
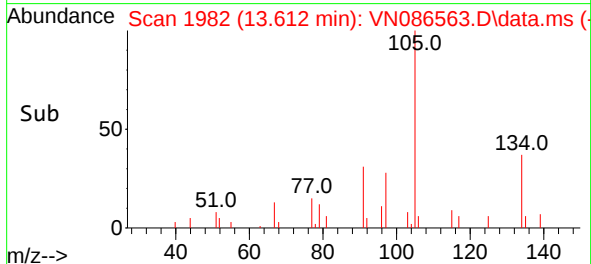
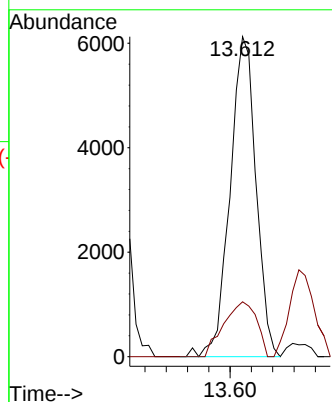
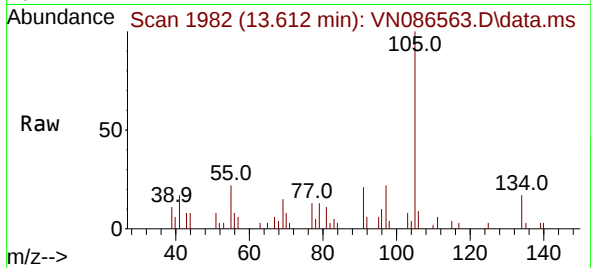




#85
 sec-Butylbenzene
 Concen: 0.686 ug/l
 RT: 13.612 min Scan# 1982
 Delta R.T. 0.000 min
 Lab File: VN086563.D
 Acq: 09 May 2025 15:31

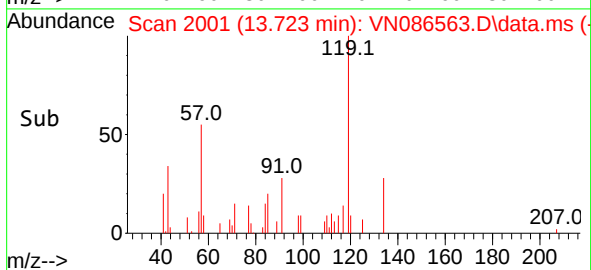
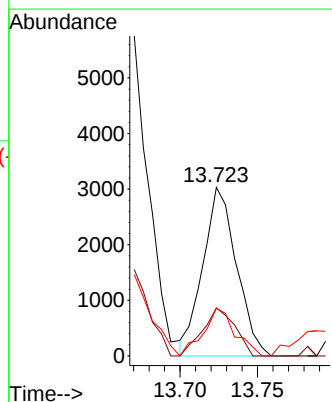
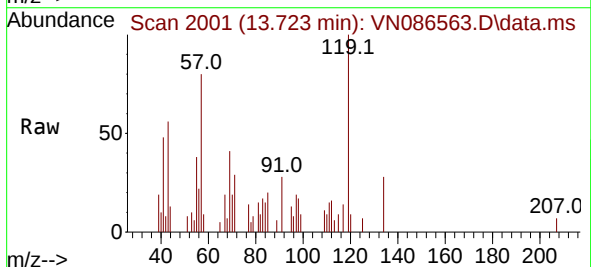
Instrument :
 MSVOA_N
 ClientSampleId :
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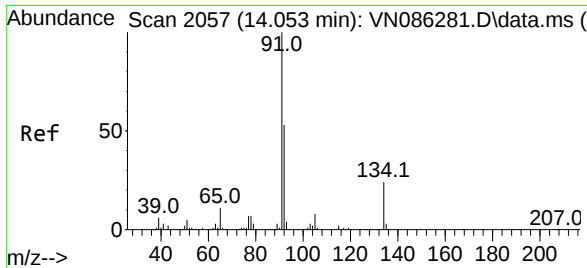
Tgt Ion:105 Resp: 10370
 Ion Ratio Lower Upper
 105 100
 134 21.7 9.7 29.1



#86
 p-Isopropyltoluene
 Concen: 0.368 ug/l
 RT: 13.723 min Scan# 2001
 Delta R.T. 0.000 min
 Lab File: VN086563.D
 Acq: 09 May 2025 15:31

Tgt Ion:119 Resp: 4578
 Ion Ratio Lower Upper
 119 100
 134 27.3 13.1 39.1
 91 26.6 11.9 35.9





#89
 n-Butylbenzene
 Concen: 0.823 ug/l
 RT: 14.053 min Scan# 2057
 Delta R.T. 0.000 min
 Lab File: VN086563.D
 Acq: 09 May 2025 15:31

Instrument :
 MSVOA_N
 ClientSampleId :
 3848DL

Tgt Ion:	91	Resp:	9091
Ion	Ratio	Lower	Upper
91	100		
92	52.5	26.8	80.4
134	0.0	12.2	36.6

