

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041725\
 Data File : VN086325.D
 Acq On : 17 Apr 2025 16:30
 Operator : JC\MD
 Sample : Q1824-03DL 20X
 Misc : 1.02g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 288DL

Quant Time: Apr 18 01:32:41 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)

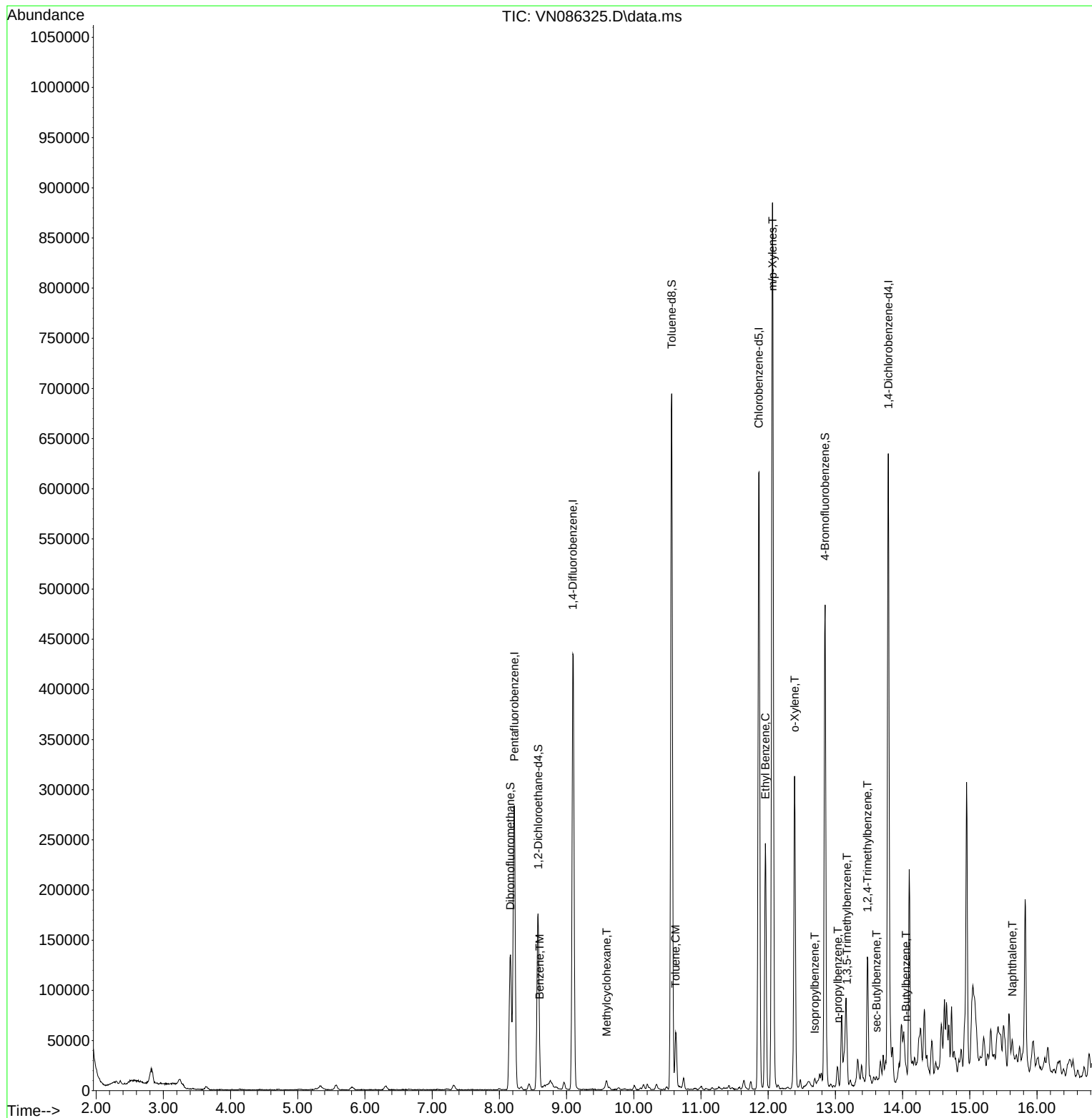
Internal Standards						
1) Pentafluorobenzene	8.224	168	207396	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.094	114	392749	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.859	117	361406	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	164953	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	146199	48.613	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	97.220%		
35) Dibromofluoromethane	8.165	113	103276	56.658	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	113.320%		
50) Toluene-d8	10.565	98	495159	50.828	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	101.660%		
62) 4-Bromofluorobenzene	12.847	95	182048	51.234	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	102.460%		
Target Compounds						Qvalue
39) Methylcyclohexane	9.594	83	3211	0.742	ug/l	94
40) Benzene	8.600	78	2822	0.242	ug/l #	88
52) Toluene	10.623	92	25018	3.437	ug/l	99
67) Ethyl Benzene	11.959	91	185802	12.766	ug/l	99
68) m/p-Xylenes	12.065	106	280314	51.402	ug/l	100
69) o-Xylene	12.394	106	87218	16.172	ug/l	99
73) Isopropylbenzene	12.694	105	5561	0.412	ug/l	100
78) n-propylbenzene	13.035	91	16695	1.050	ug/l	100
80) 1,3,5-Trimethylbenzene	13.170	105	17237	1.561	ug/l	94
84) 1,2,4-Trimethylbenzene	13.476	105	74492	6.626	ug/l	100
85) sec-Butylbenzene	13.611	105	3531	0.266	ug/l	95
89) n-Butylbenzene	14.053	91	7104	0.733	ug/l #	75
95) Naphthalene	15.635	128	27091	2.929	ug/l	97

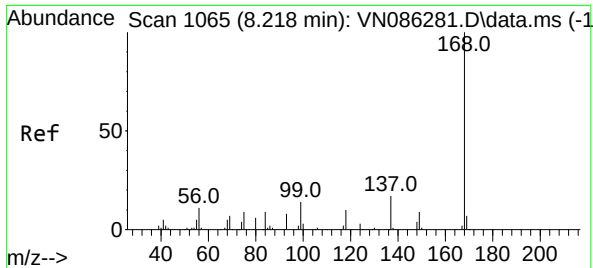
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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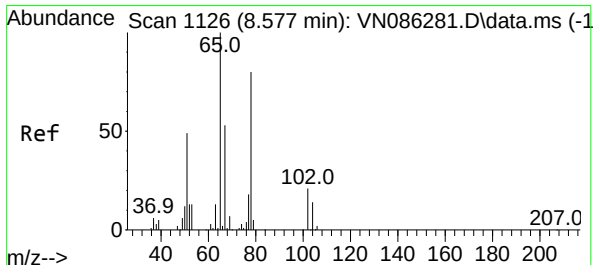
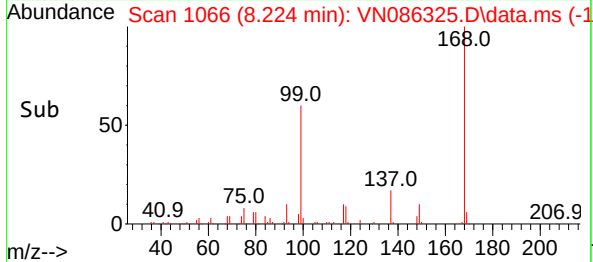
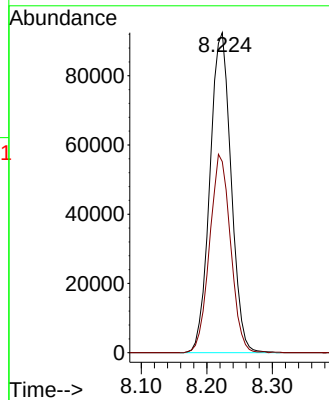
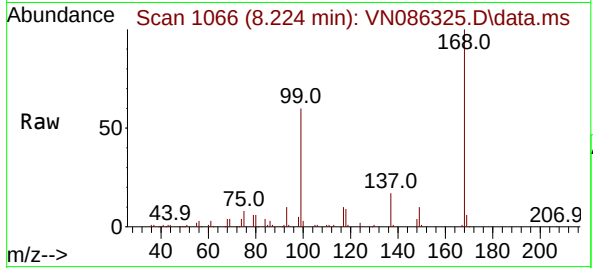




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. 0.006 min
Lab File: VN086325.D
Acq: 17 Apr 2025 16:30

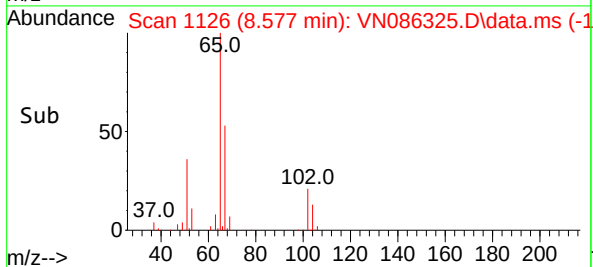
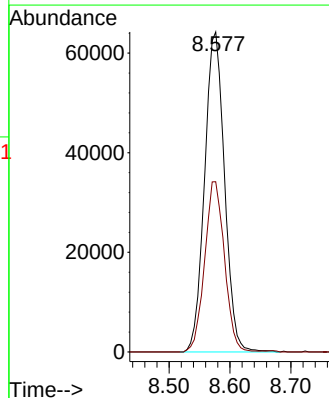
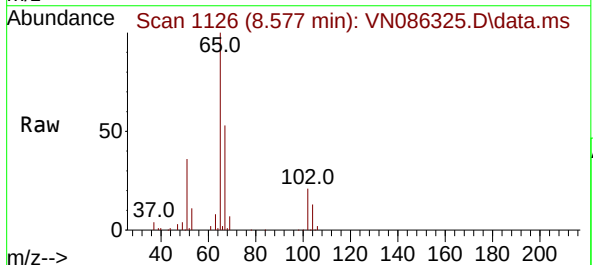
Instrument :
MSVOA_N
ClientSampleId :
288DL

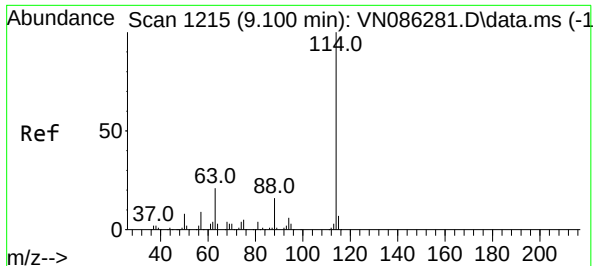
Tgt Ion:168 Resp: 207396
Ion Ratio Lower Upper
168 100
99 59.7 52.5 78.7



#33
1,2-Dichloroethane-d4
Concen: 48.613 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN086325.D
Acq: 17 Apr 2025 16:30

Tgt Ion: 65 Resp: 146199
Ion Ratio Lower Upper
65 100
67 53.0 0.0 106.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.094 min Scan# 11

Delta R.T. -0.006 min

Lab File: VN086325.D

Acq: 17 Apr 2025 16:30

Instrument :

MSVOA_N

ClientSampleId :

288DL

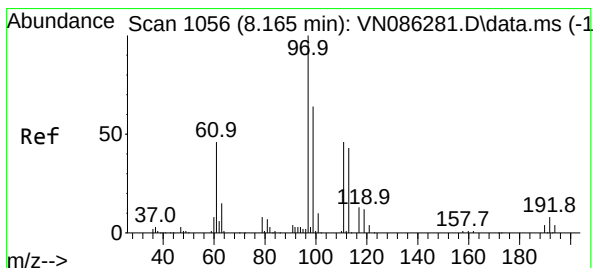
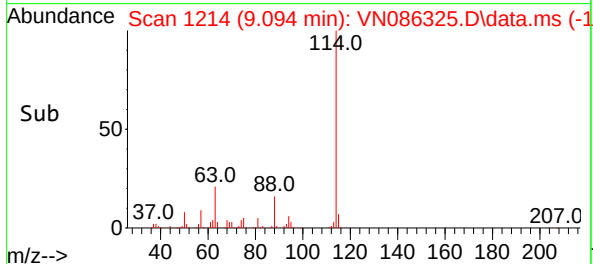
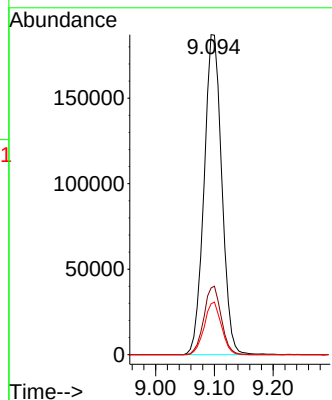
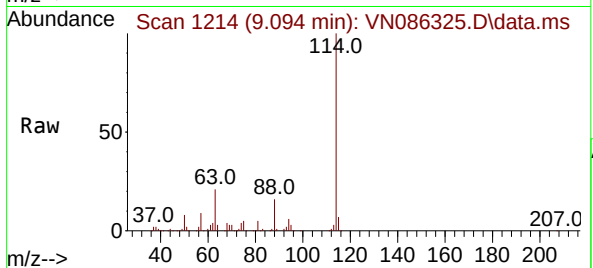
Tgt Ion:114 Resp: 392749

Ion Ratio Lower Upper

114 100

63 20.9 0.0 42.6

88 15.9 0.0 31.8



#35

Dibromofluoromethane

Concen: 56.658 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN086325.D

Acq: 17 Apr 2025 16:30

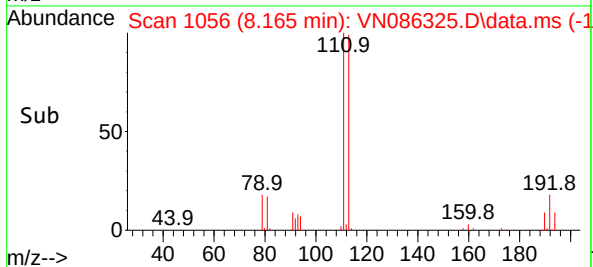
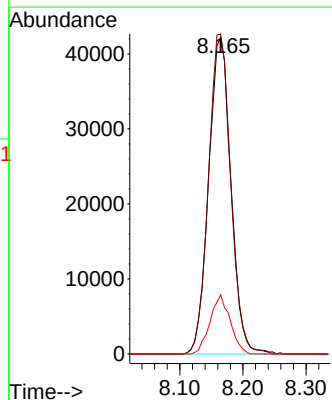
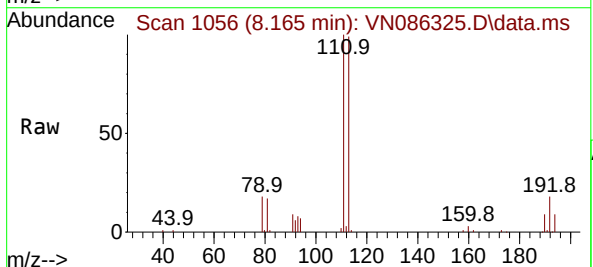
Tgt Ion:113 Resp: 103276

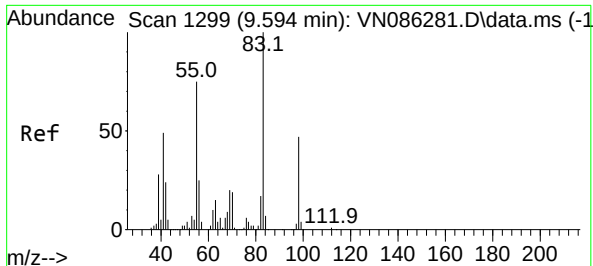
Ion Ratio Lower Upper

113 100

111 101.1 83.4 125.0

192 16.9 13.7 20.5

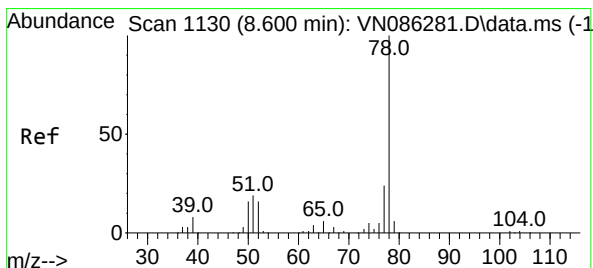
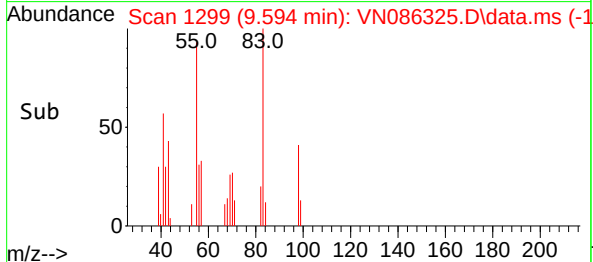
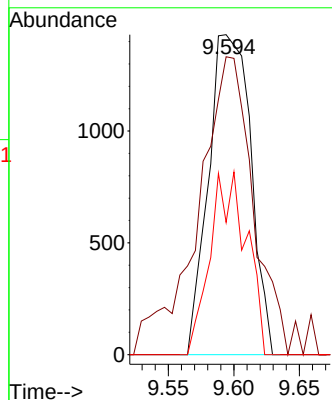
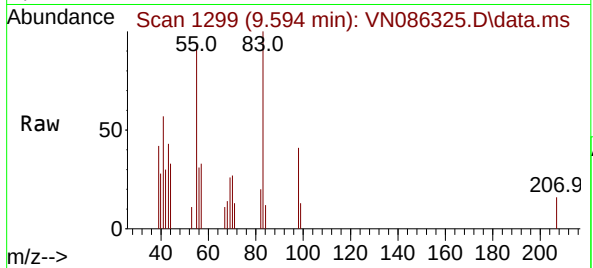




#39
Methylcyclohexane
Concen: 0.742 ug/l
RT: 9.594 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN086325.D
Acq: 17 Apr 2025 16:30

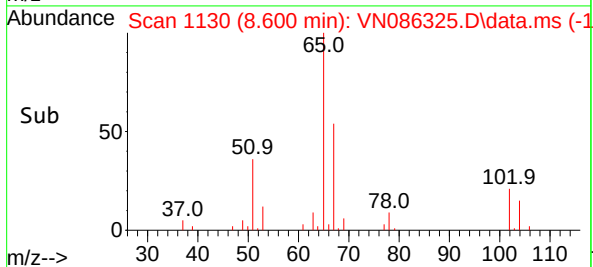
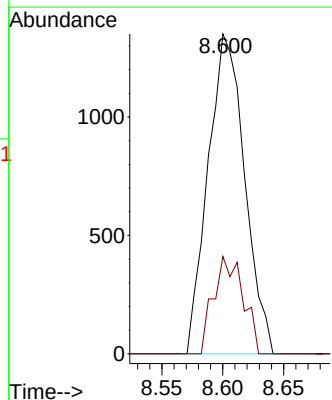
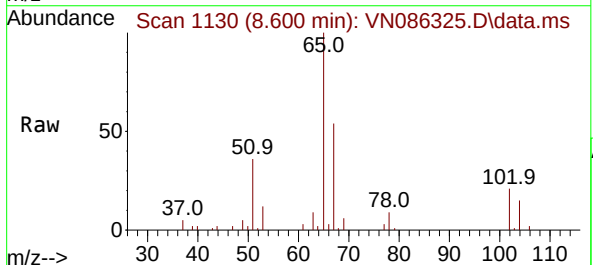
Instrument :
MSVOA_N
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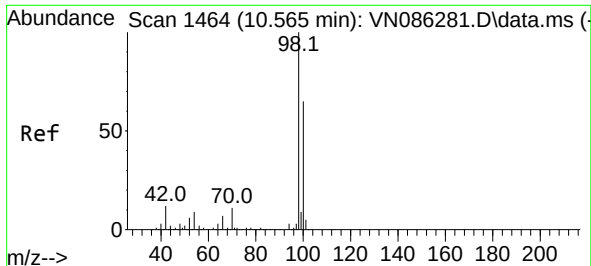
Tgt Ion:	83	Resp:	3211
Ion	Ratio	Lower	Upper
83	100		
55	79.0	59.8	89.8
98	41.4	37.9	56.9



#40
Benzene
Concen: 0.242 ug/l
RT: 8.600 min Scan# 1130
Delta R.T. -0.000 min
Lab File: VN086325.D
Acq: 17 Apr 2025 16:30

Tgt Ion:	78	Resp:	2822
Ion	Ratio	Lower	Upper
78	100		
77	30.4	19.4	29.2#

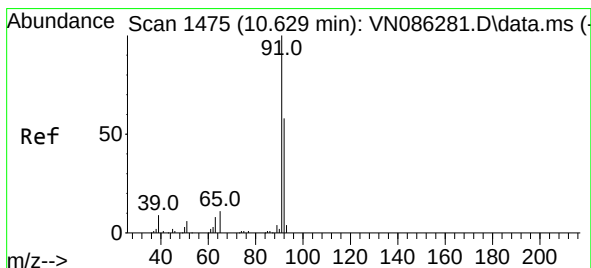
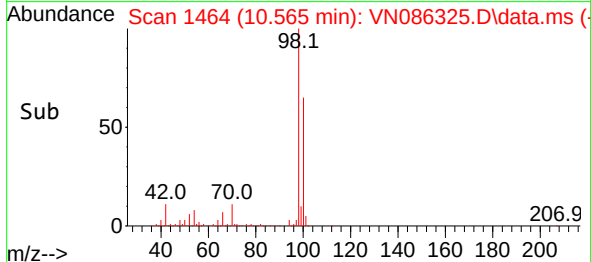
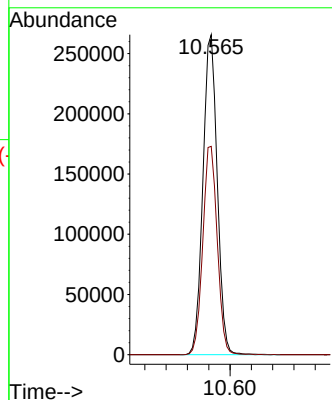
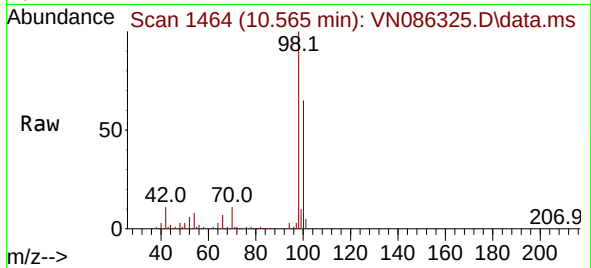




#50
Toluene-d8
Concen: 50.828 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN086325.D
Acq: 17 Apr 2025 16:30

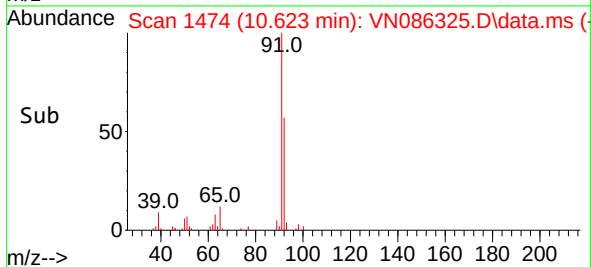
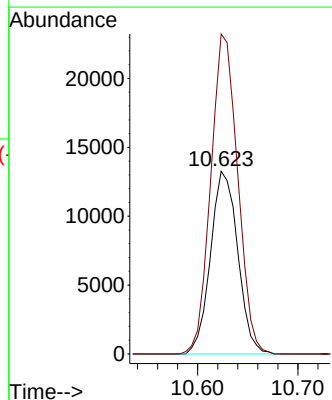
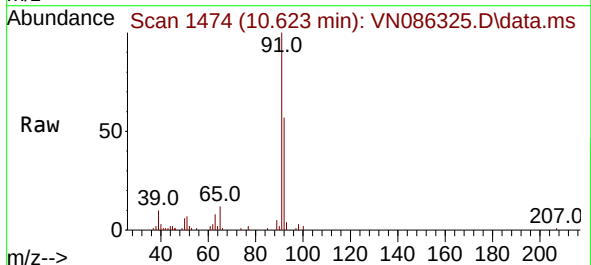
Instrument :
MSVOA_N
ClientSampleId :
288DL

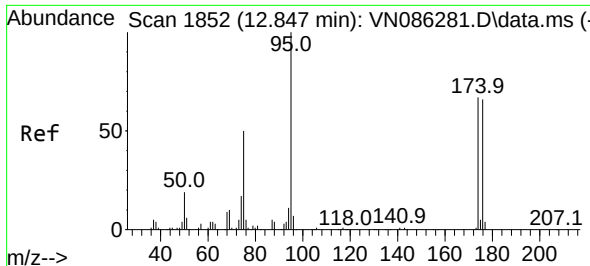
Tgt Ion: 98 Resp: 495159
Ion Ratio Lower Upper
98 100
100 65.7 52.5 78.7



#52
Toluene
Concen: 3.437 ug/l
RT: 10.623 min Scan# 1474
Delta R.T. -0.006 min
Lab File: VN086325.D
Acq: 17 Apr 2025 16:30

Tgt Ion: 92 Resp: 25018
Ion Ratio Lower Upper
92 100
91 173.3 137.3 205.9

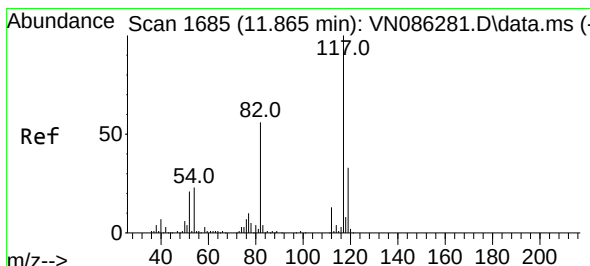
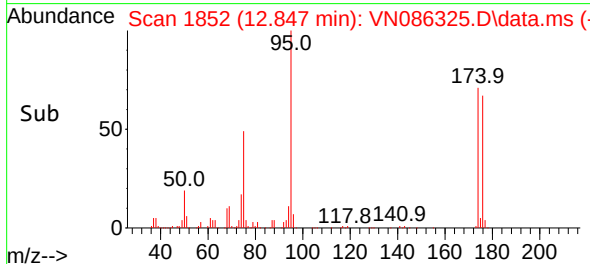
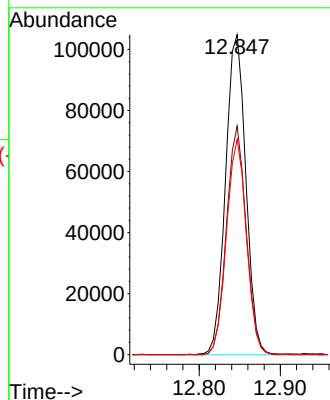
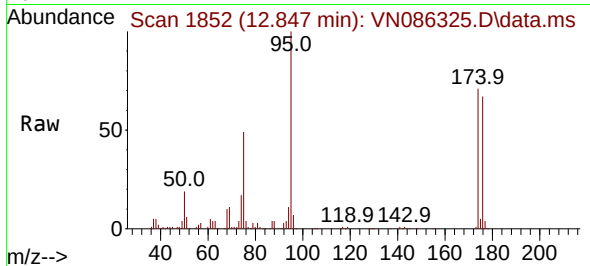




#62
4-Bromofluorobenzene
Concen: 51.234 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086325.D
Acq: 17 Apr 2025 16:30

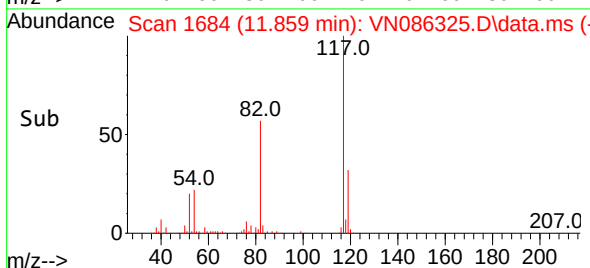
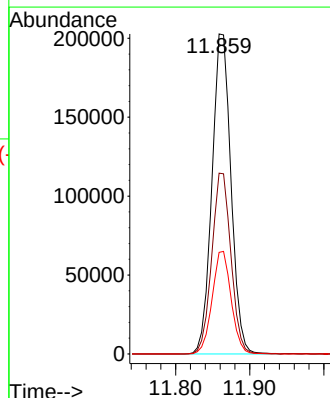
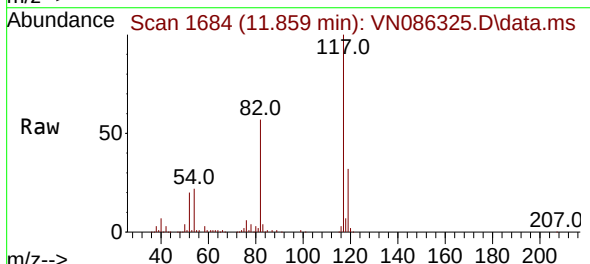
Instrument :
MSVOA_N
ClientSampleId :
288DL

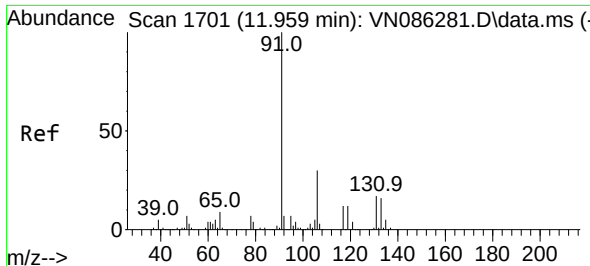
Tgt Ion: 95 Resp: 182048
Ion Ratio Lower Upper
95 100
174 69.3 0.0 133.4
176 66.2 0.0 129.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.859 min Scan# 1684
Delta R.T. -0.006 min
Lab File: VN086325.D
Acq: 17 Apr 2025 16:30

Tgt Ion: 117 Resp: 361406
Ion Ratio Lower Upper
117 100
82 56.5 44.7 67.1
119 31.7 26.4 39.6

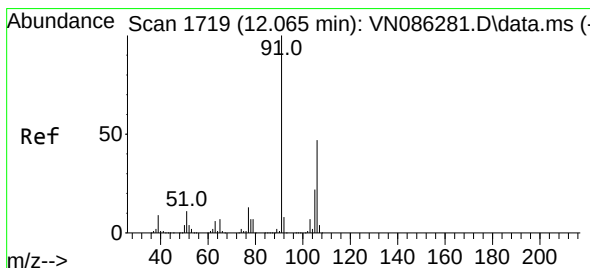
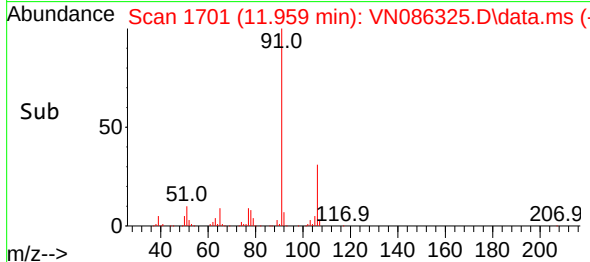
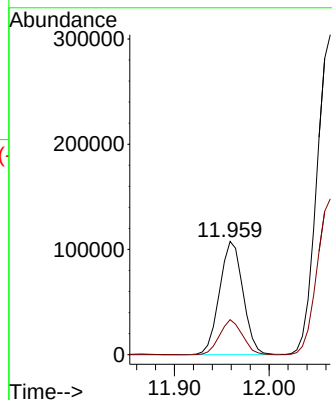
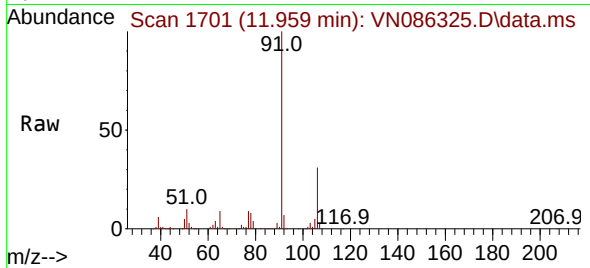




#67
Ethyl Benzene
Concen: 12.766 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VN086325.D
Acq: 17 Apr 2025 16:30

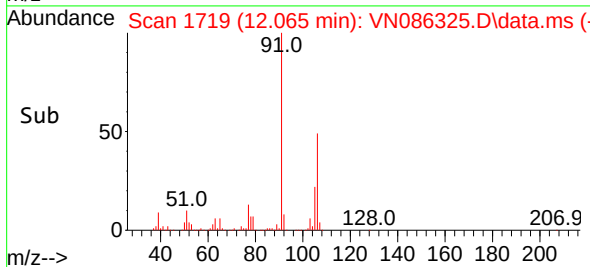
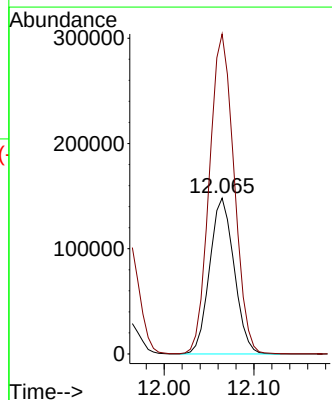
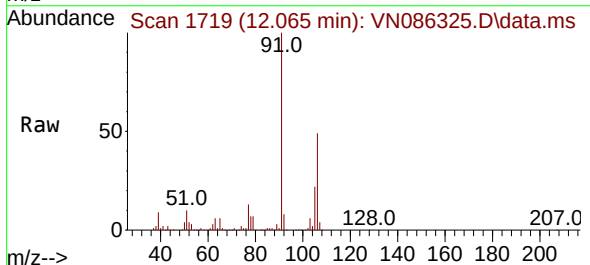
Instrument :
MSVOA_N
ClientSampleId :
288DL

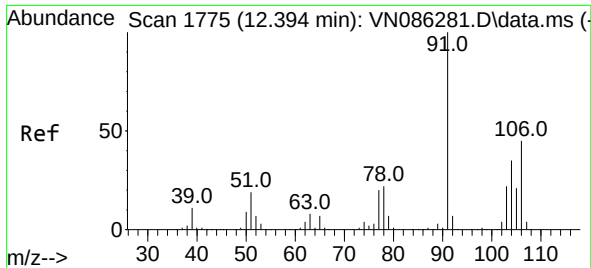
Tgt Ion: 91 Resp: 185802
Ion Ratio Lower Upper
91 100
106 30.9 24.3 36.5



#68
m/p-Xylenes
Concen: 51.402 ug/l
RT: 12.065 min Scan# 1719
Delta R.T. -0.000 min
Lab File: VN086325.D
Acq: 17 Apr 2025 16:30

Tgt Ion:106 Resp: 280314
Ion Ratio Lower Upper
106 100
91 207.7 166.5 249.7

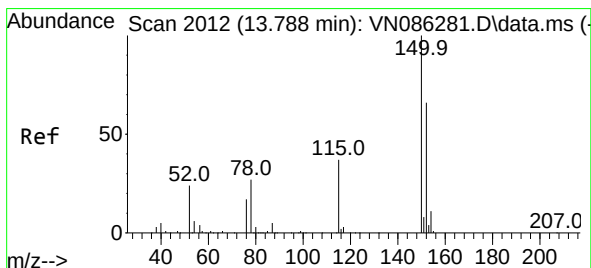
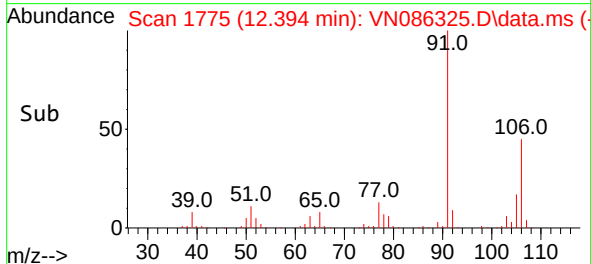
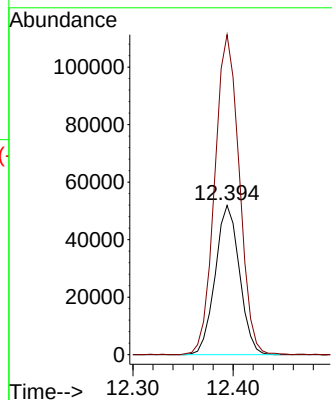
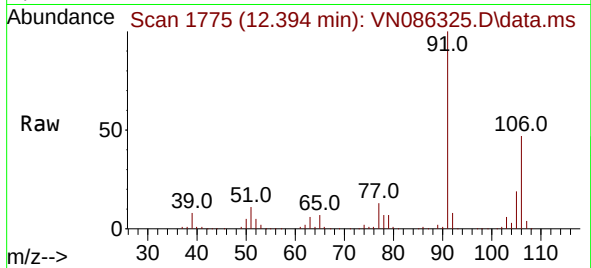




#69
o-Xylene
Concen: 16.172 ug/l
RT: 12.394 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN086325.D
Acq: 17 Apr 2025 16:30

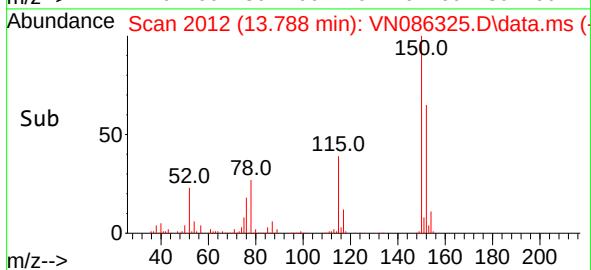
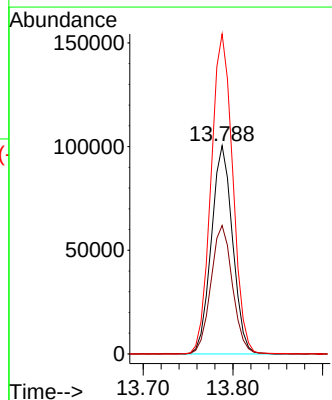
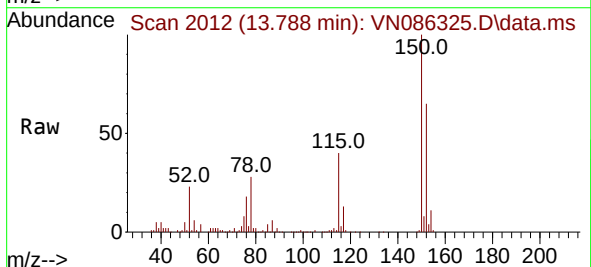
Instrument :
MSVOA_N
ClientSampleId :
288DL

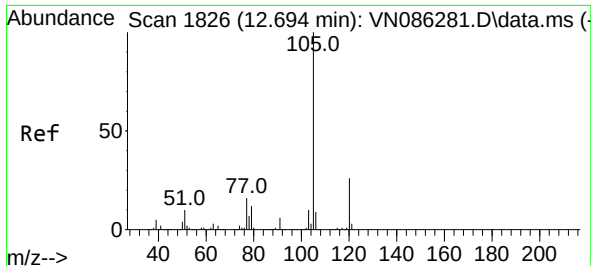
Tgt Ion:106 Resp: 87218
Ion Ratio Lower Upper
106 100
91 217.1 109.7 329.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN086325.D
Acq: 17 Apr 2025 16:30

Tgt Ion:152 Resp: 164953
Ion Ratio Lower Upper
152 100
115 62.9 31.9 95.9
150 157.1 0.0 352.0

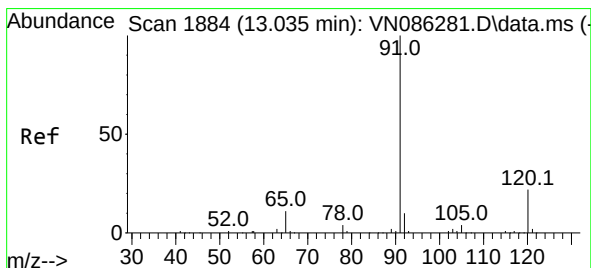
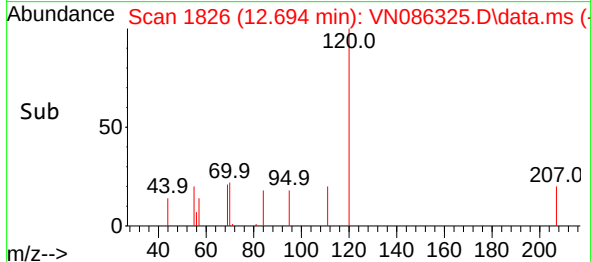
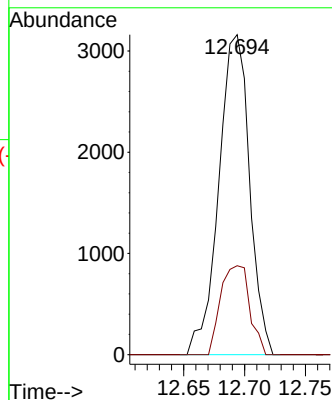
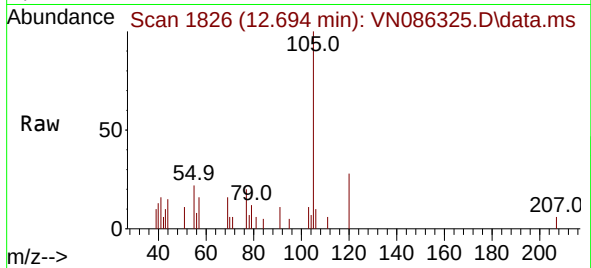




#73
Isopropylbenzene
Concen: 0.412 ug/l
RT: 12.694 min Scan# 1826
Delta R.T. -0.000 min
Lab File: VN086325.D
Acq: 17 Apr 2025 16:30

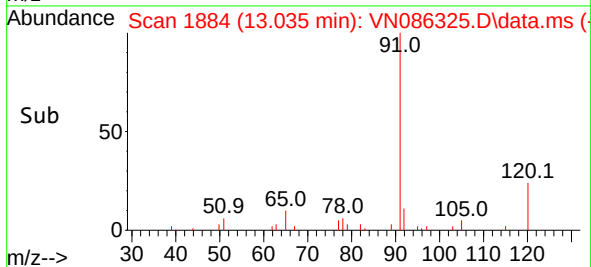
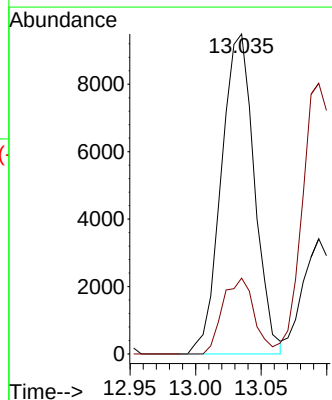
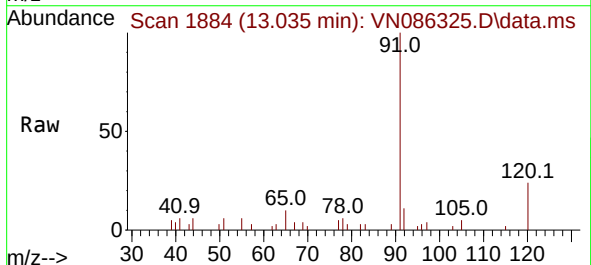
Instrument :
MSVOA_N
ClientSampleId :
288DL

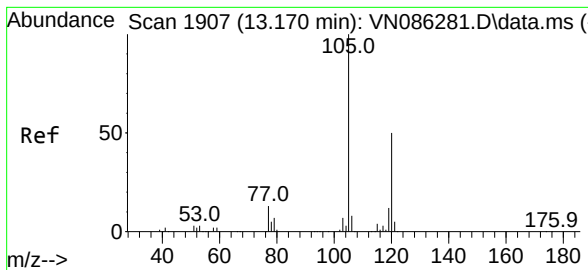
Tgt Ion:105 Resp: 5561
Ion Ratio Lower Upper
105 100
120 26.2 13.1 39.3



#78
n-propylbenzene
Concen: 1.050 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. -0.000 min
Lab File: VN086325.D
Acq: 17 Apr 2025 16:30

Tgt Ion: 91 Resp: 16695
Ion Ratio Lower Upper
91 100
120 22.4 11.1 33.3

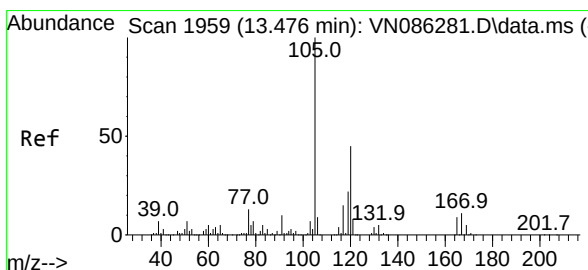
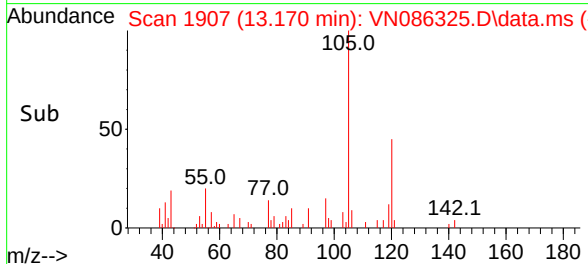
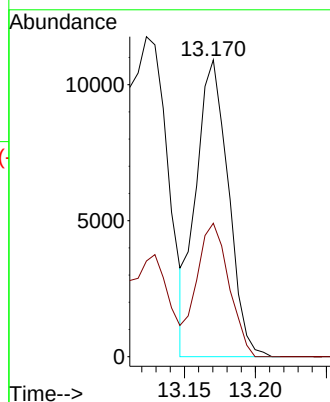
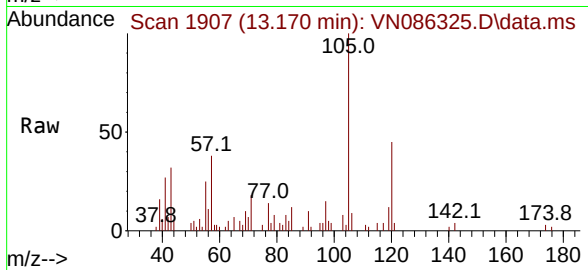




#80
 1,3,5-Trimethylbenzene
 Concen: 1.561 ug/l
 RT: 13.170 min Scan# 1907
 Delta R.T. -0.000 min
 Lab File: VN086325.D
 Acq: 17 Apr 2025 16:30

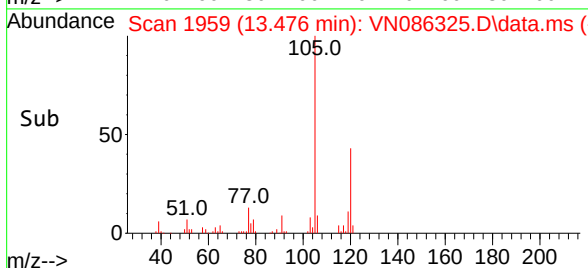
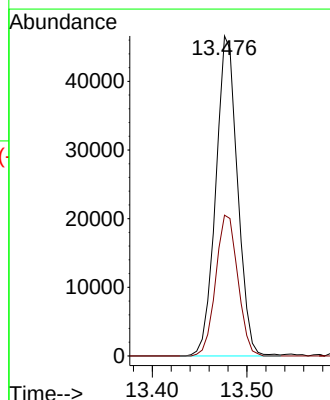
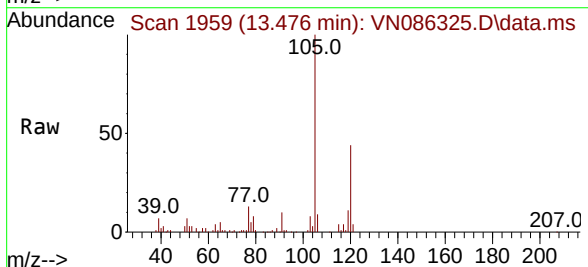
Instrument :
 MSVOA_N
 ClientSampleId :
 288DL

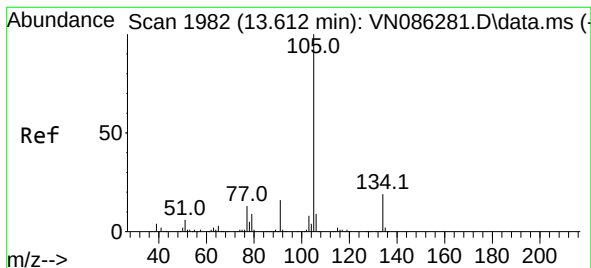
Tgt Ion:105 Resp: 17237
 Ion Ratio Lower Upper
 105 100
 120 45.1 24.5 73.5



#84
 1,2,4-Trimethylbenzene
 Concen: 6.626 ug/l
 RT: 13.476 min Scan# 1959
 Delta R.T. -0.000 min
 Lab File: VN086325.D
 Acq: 17 Apr 2025 16:30

Tgt Ion:105 Resp: 74492
 Ion Ratio Lower Upper
 105 100
 120 44.7 22.4 67.3





#85

sec-Butylbenzene

Concen: 0.266 ug/l

RT: 13.611 min Scan# 1982

Delta R.T. -0.000 min

Lab File: VN086325.D

Acq: 17 Apr 2025 16:30

Instrument :

MSVOA_N

ClientSampleId :

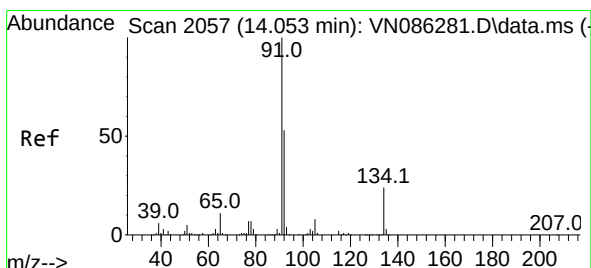
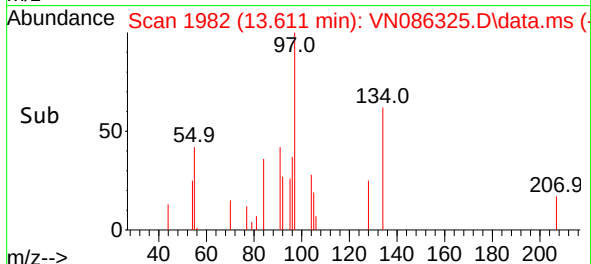
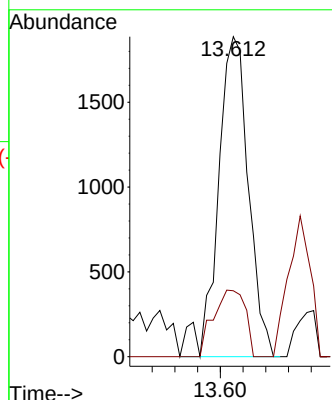
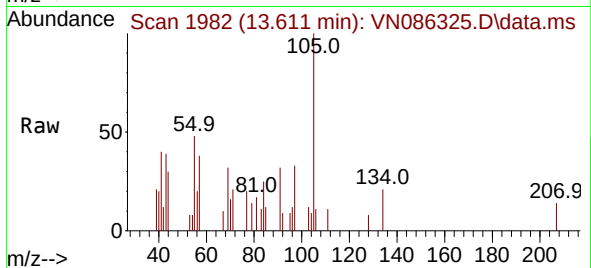
288DL

Tgt Ion:105 Resp: 3531

Ion Ratio Lower Upper

105 100

134 21.5 9.7 29.1



#89

n-Butylbenzene

Concen: 0.733 ug/l

RT: 14.053 min Scan# 2057

Delta R.T. -0.000 min

Lab File: VN086325.D

Acq: 17 Apr 2025 16:30

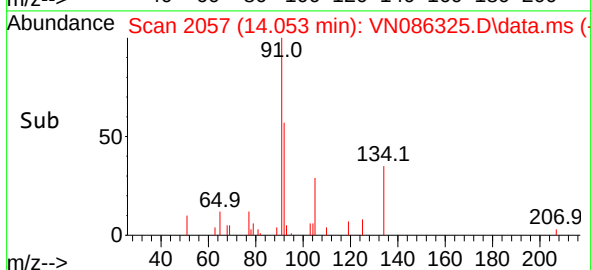
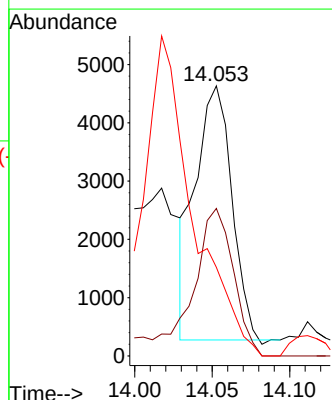
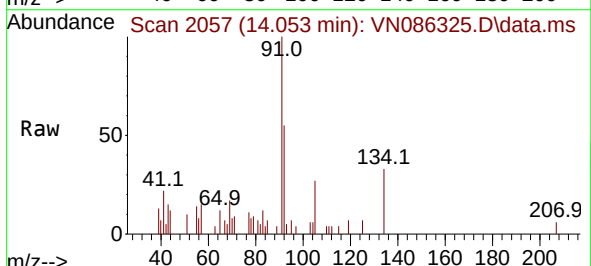
Tgt Ion: 91 Resp: 7104

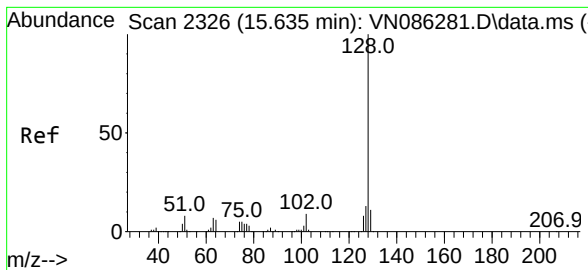
Ion Ratio Lower Upper

91 100

92 63.4 26.8 80.4

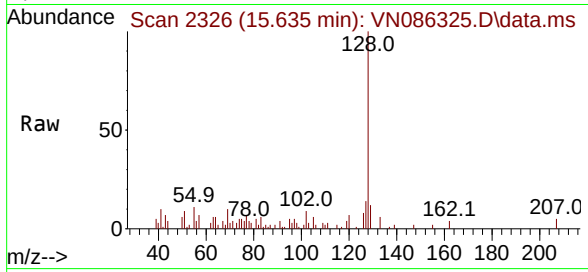
134 0.0 12.2 36.6#





#95
 Naphthalene
 Concen: 2.929 ug/l
 RT: 15.635 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VN086325.D
 Acq: 17 Apr 2025 16:30

Instrument :
 MSVOA_N
 ClientSampleId :
 288DL



Tgt Ion:	128	Resp:	27091
Ion Ratio	Lower	Upper	
128	100		
127	13.1	10.2	15.4
129	12.9	8.6	13.0

