

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041725\
 Data File : VN086318.D
 Acq On : 17 Apr 2025 13:41
 Operator : JC\MD
 Sample : Q1824-03
 Misc : 1.02g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 288

Quant Time: Apr 18 01:30:59 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)

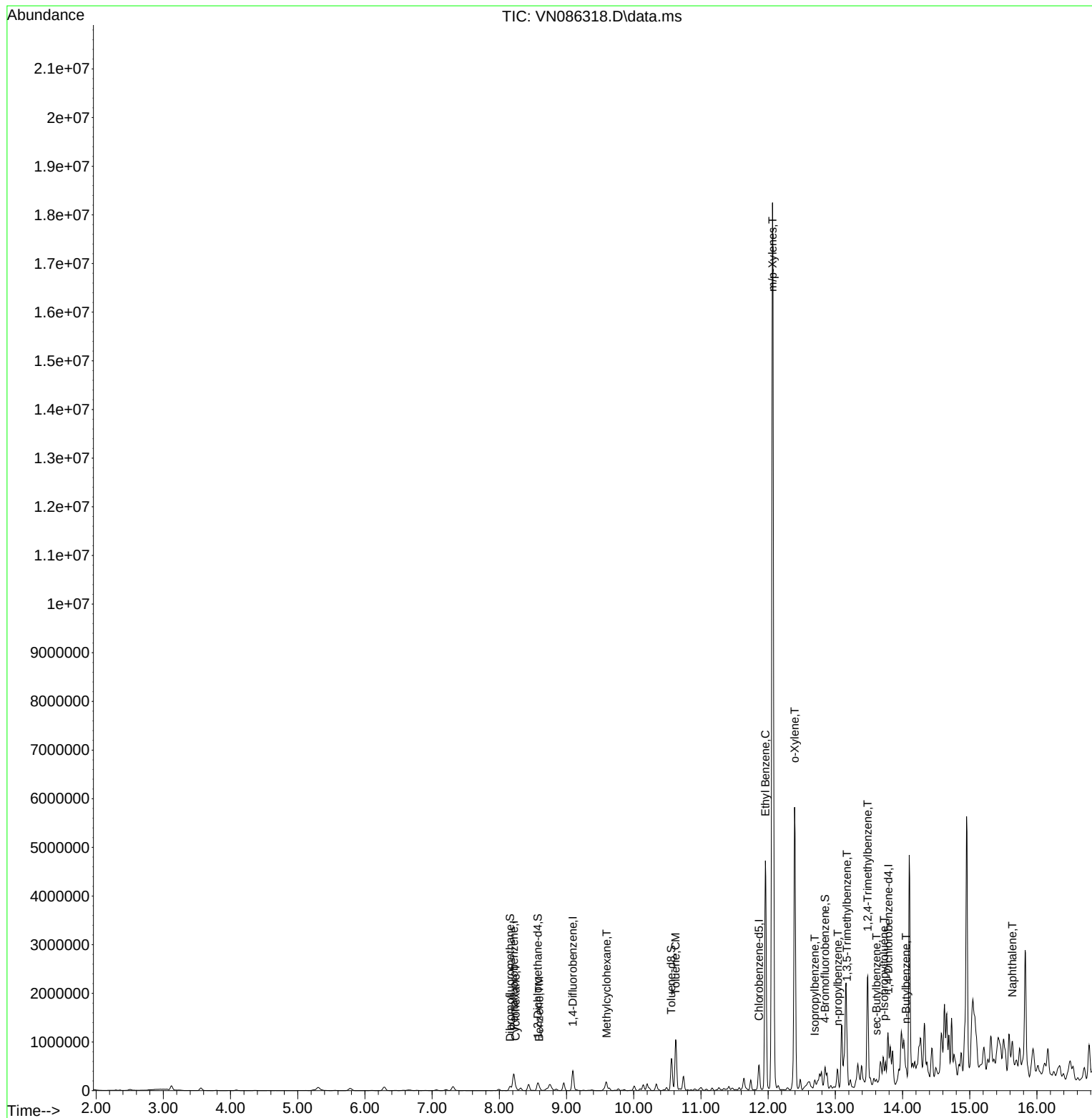
Internal Standards						
1) Pentafluorobenzene	8.218	168	168935	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.094	114	327555	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	300762	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	135909	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.571	65	121770	49.708	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	99.420%
35) Dibromofluoromethane	8.159	113	66413	43.686	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	87.380%
50) Toluene-d8	10.559	98	424872	52.293	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	104.580%
62) 4-Bromofluorobenzene	12.847	95	154386	52.096	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	104.200%
Target Compounds						
					Qvalue	
31) Cyclohexane	8.241	56	54558	13.743	ug/l #	95
39) Methylcyclohexane	9.594	83	64889	17.979	ug/l	91
40) Benzene	8.594	78	46594	4.789	ug/l	99
52) Toluene	10.624	92	463241	76.313	ug/l	100
67) Ethyl Benzene	11.959	91	3463198	285.933	ug/l	100
68) m/p-Xylenes	12.065	106	5686871	1253.082	ug/l	96
69) o-Xylene	12.394	106	1592840	354.902	ug/l	99
73) Isopropylbenzene	12.694	105	94769	8.524	ug/l	99
78) n-propylbenzene	13.035	91	297299	22.693	ug/l	99
80) 1,3,5-Trimethylbenzene	13.171	105	305008	33.519	ug/l	99
84) 1,2,4-Trimethylbenzene	13.482	105	1330474	143.642	ug/l	99
85) sec-Butylbenzene	13.612	105	51717	4.729	ug/l #	77
86) p-Isopropyltoluene	13.723	119	38515	4.273	ug/l	99
89) n-Butylbenzene	14.053	91	162018	20.277	ug/l #	83
95) Naphthalene	15.635	128	590948	77.543	ug/l	99

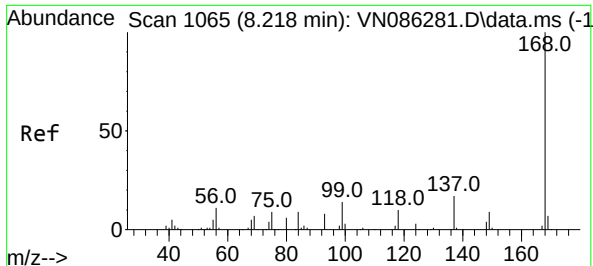
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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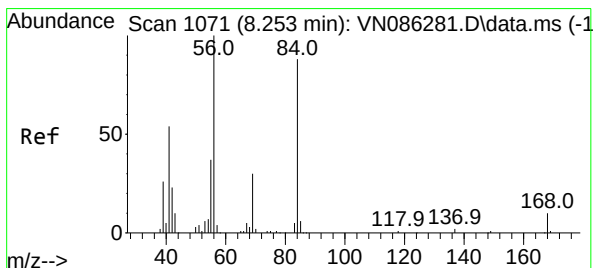
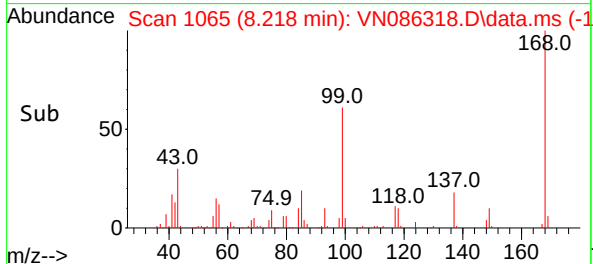
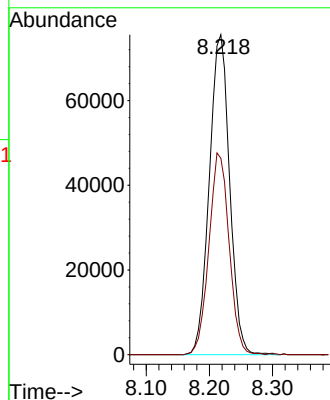
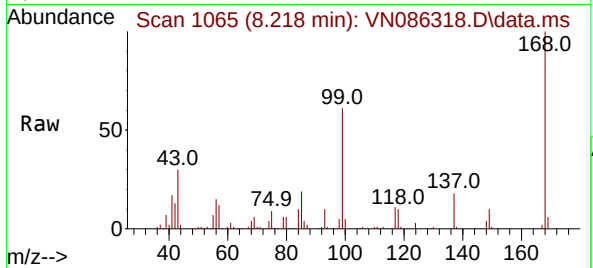




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.000 min
Lab File: VN086318.D
Acq: 17 Apr 2025 13:41

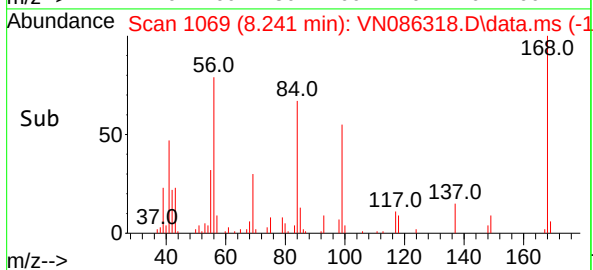
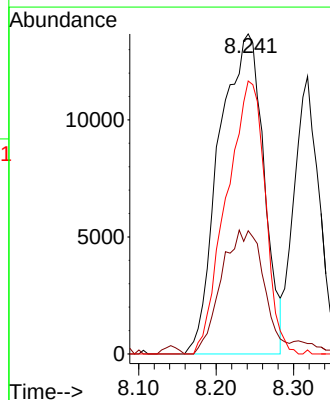
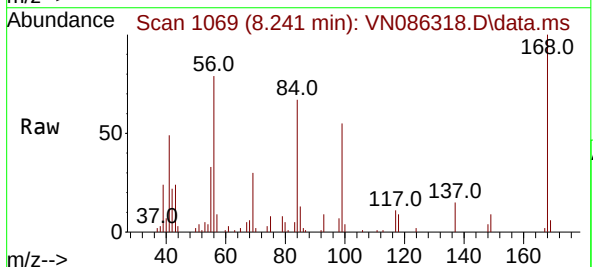
Instrument :
MSVOA_N
ClientSampleId :
288

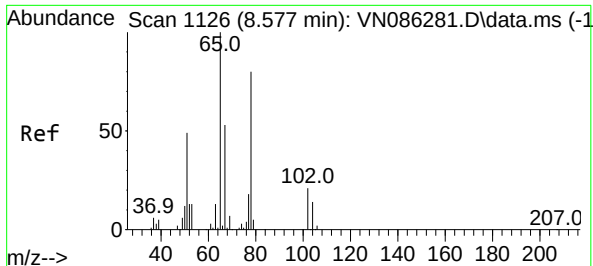
Tgt Ion:168 Resp: 168935
Ion Ratio Lower Upper
168 100
99 61.4 52.5 78.7



#31
Cyclohexane
Concen: 13.743 ug/l
RT: 8.241 min Scan# 1069
Delta R.T. -0.012 min
Lab File: VN086318.D
Acq: 17 Apr 2025 13:41

Tgt Ion: 56 Resp: 54558
Ion Ratio Lower Upper
56 100
69 37.4 24.2 36.2#
84 85.3 70.3 105.5





#33

1,2-Dichloroethane-d4

Concen: 49.708 ug/l

RT: 8.571 min Scan# 1125

Delta R.T. -0.006 min

Lab File: VN086318.D

Acq: 17 Apr 2025 13:41

Instrument :

MSVOA_N

ClientSampleId :

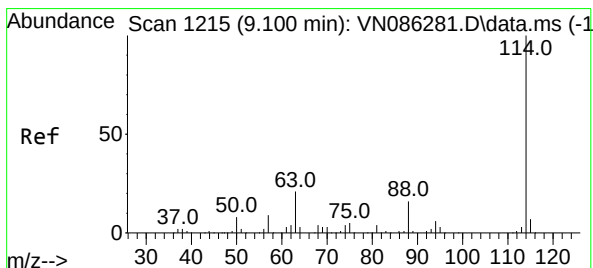
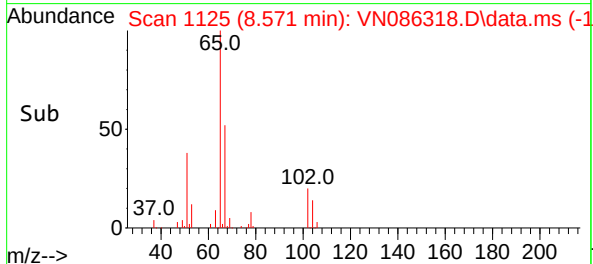
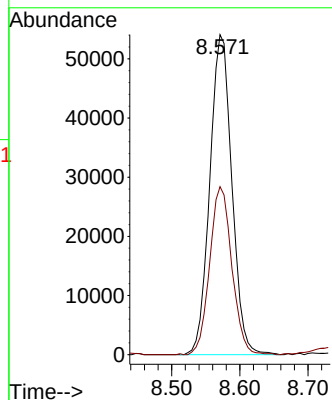
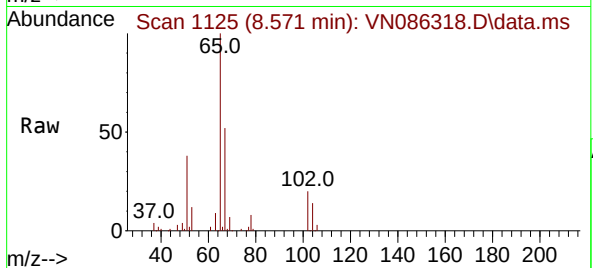
288

Tgt Ion: 65 Resp: 121770

Ion Ratio Lower Upper

65 100

67 52.8 0.0 106.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.094 min Scan# 1214

Delta R.T. -0.006 min

Lab File: VN086318.D

Acq: 17 Apr 2025 13:41

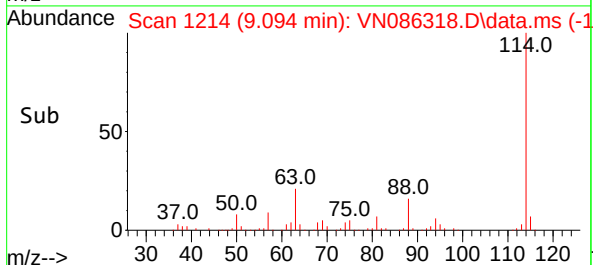
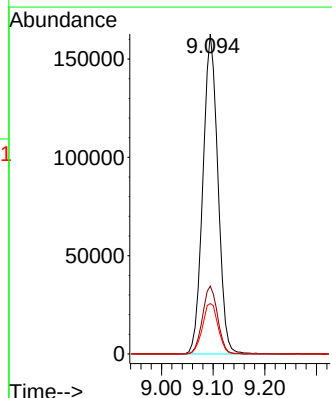
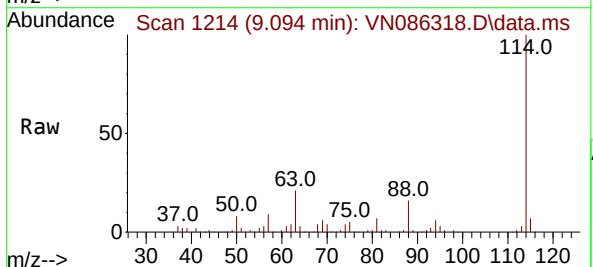
Tgt Ion: 114 Resp: 327555

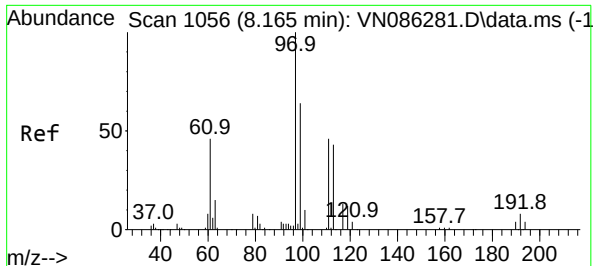
Ion Ratio Lower Upper

114 100

63 21.2 0.0 42.6

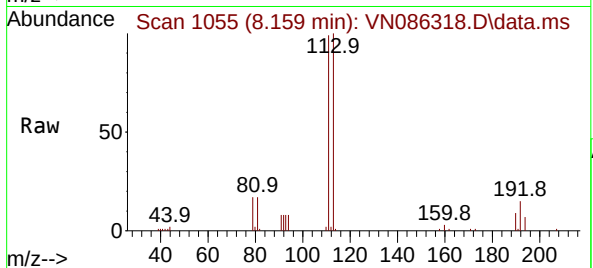
88 15.8 0.0 31.8



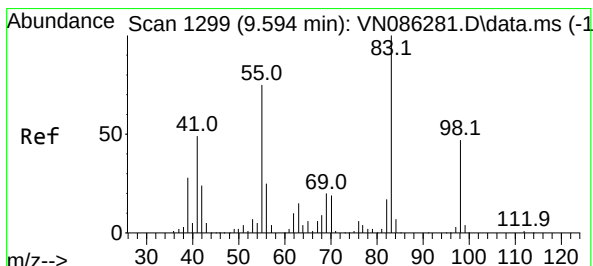
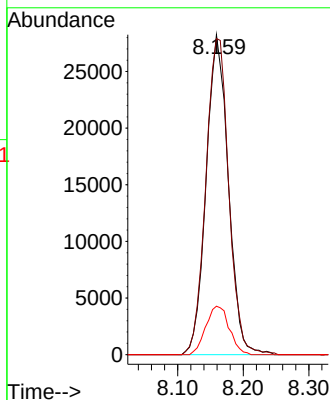
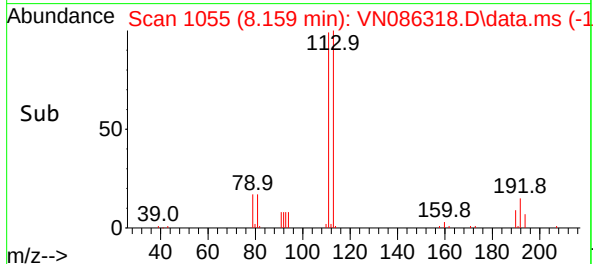


#35
 Dibromofluoromethane
 Concen: 43.686 ug/l
 RT: 8.159 min Scan# 1055
 Delta R.T. -0.006 min
 Lab File: VN086318.D
 Acq: 17 Apr 2025 13:41

Instrument :
 MSVOA_N
 ClientSampleId :
 288

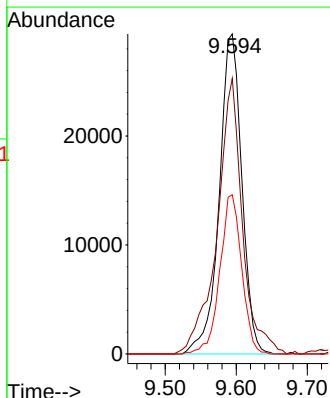
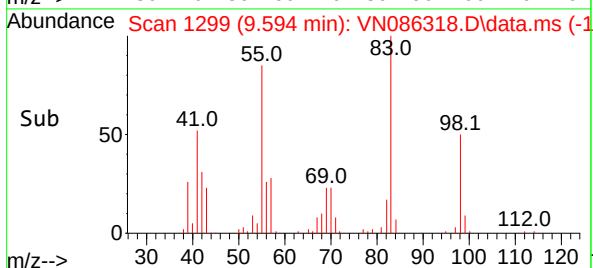
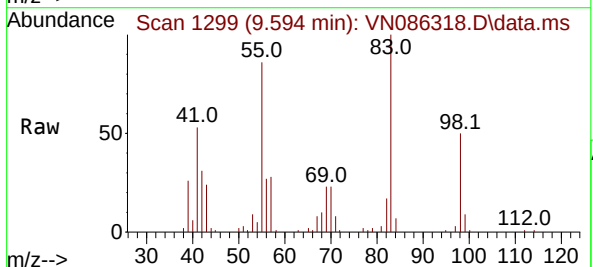


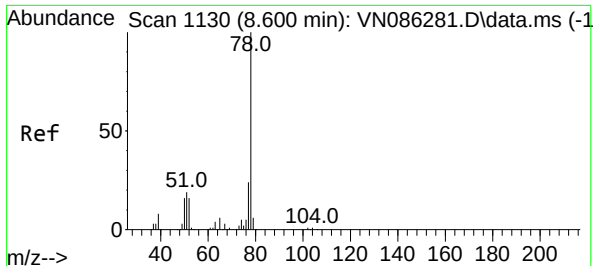
Tgt Ion:113 Resp: 66413
 Ion Ratio Lower Upper
 113 100
 111 102.2 83.4 125.0
 192 16.0 13.7 20.5



#39
 Methylcyclohexane
 Concen: 17.979 ug/l
 RT: 9.594 min Scan# 1299
 Delta R.T. 0.000 min
 Lab File: VN086318.D
 Acq: 17 Apr 2025 13:41

Tgt Ion: 83 Resp: 64889
 Ion Ratio Lower Upper
 83 100
 55 85.4 59.8 89.8
 98 49.8 37.9 56.9

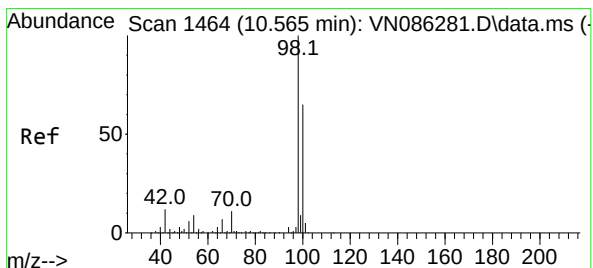
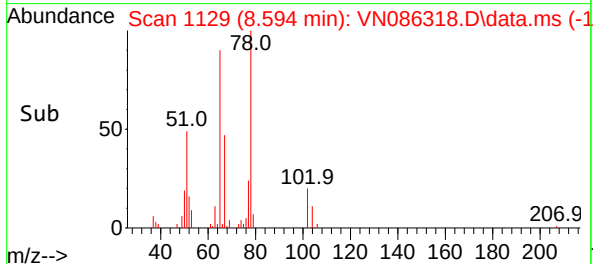
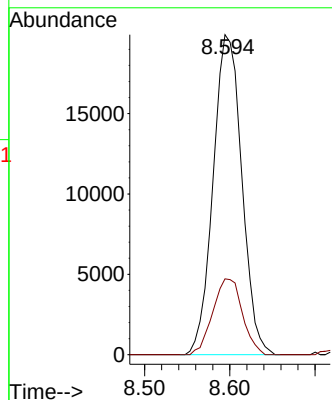
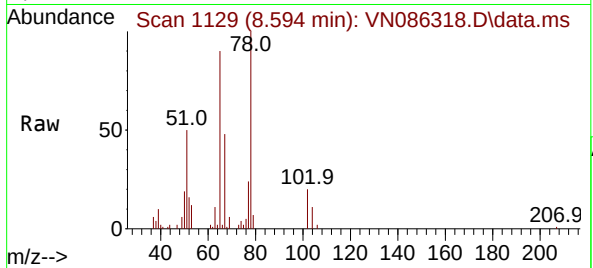




#40
Benzene
Concen: 4.789 ug/l
RT: 8.594 min Scan# 1130
Delta R.T. -0.006 min
Lab File: VN086318.D
Acq: 17 Apr 2025 13:41

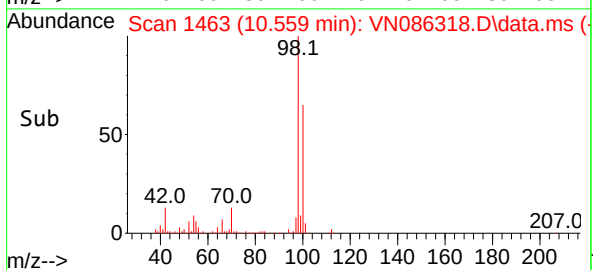
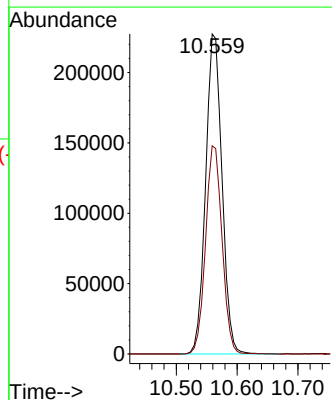
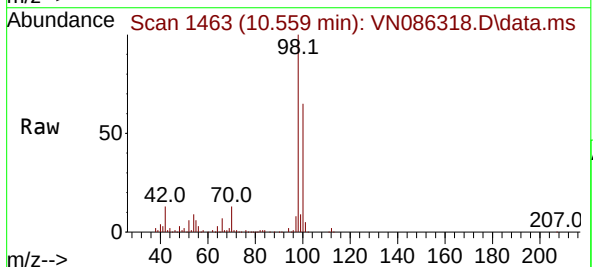
Instrument :
MSVOA_N
ClientSampleId :
288

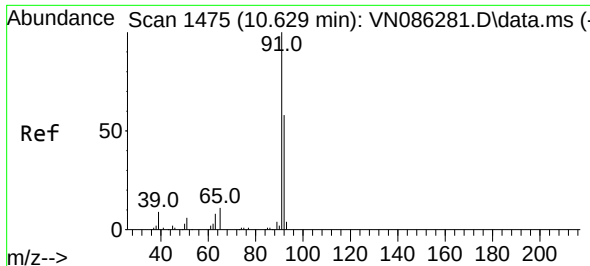
Tgt Ion: 78 Resp: 46594
Ion Ratio Lower Upper
78 100
77 23.7 19.4 29.2



#50
Toluene-d8
Concen: 52.293 ug/l
RT: 10.559 min Scan# 1463
Delta R.T. -0.006 min
Lab File: VN086318.D
Acq: 17 Apr 2025 13:41

Tgt Ion: 98 Resp: 424872
Ion Ratio Lower Upper
98 100
100 65.5 52.5 78.7

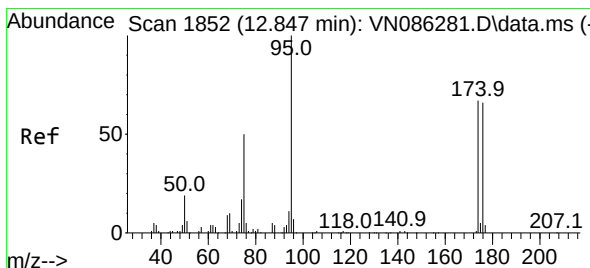
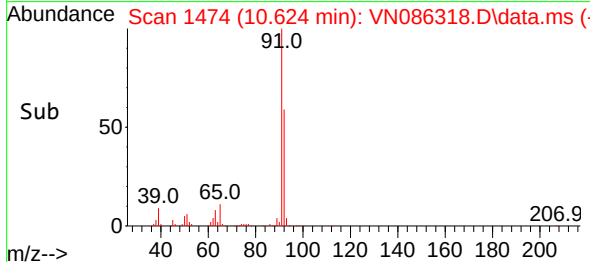
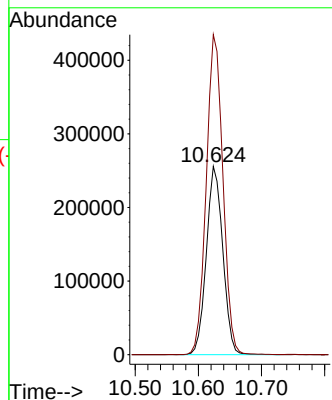
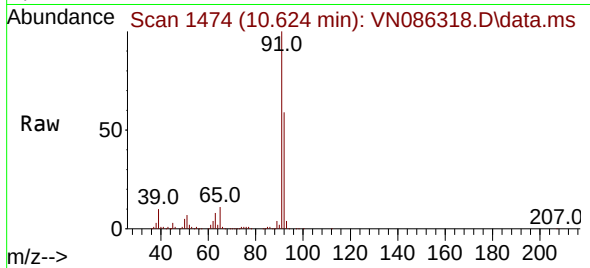




#52
Toluene
Concen: 76.313 ug/l
RT: 10.624 min Scan# 1475
Delta R.T. -0.006 min
Lab File: VN086318.D
Acq: 17 Apr 2025 13:41

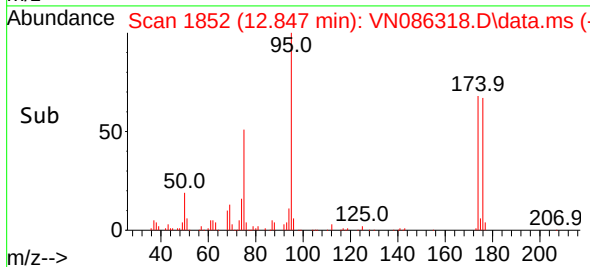
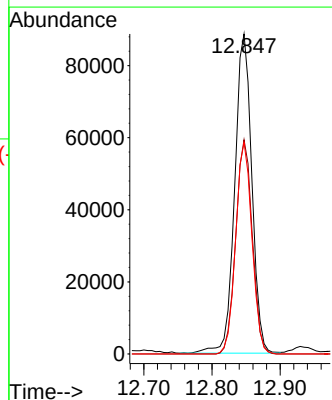
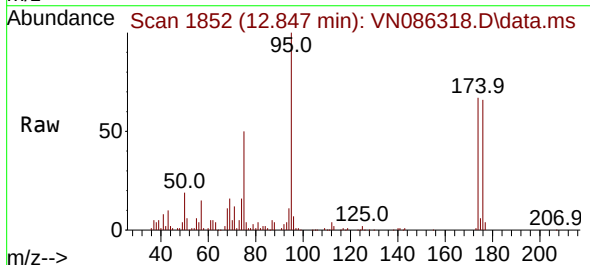
Instrument :
MSVOA_N
ClientSampleId :
288

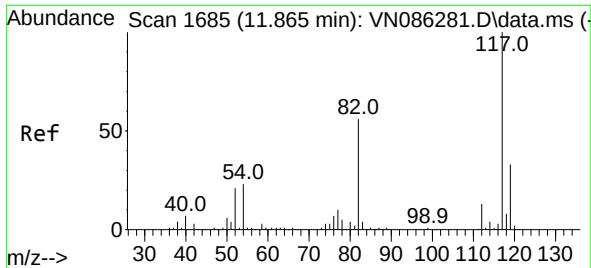
Tgt Ion: 92 Resp: 463241
Ion Ratio Lower Upper
92 100
91 172.0 137.3 205.9



#62
4-Bromofluorobenzene
Concen: 52.096 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN086318.D
Acq: 17 Apr 2025 13:41

Tgt Ion: 95 Resp: 154386
Ion Ratio Lower Upper
95 100
174 65.0 0.0 133.4
176 63.1 0.0 129.2

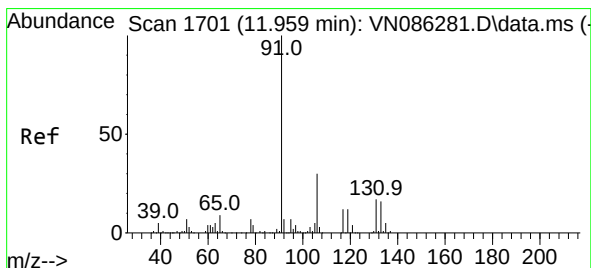
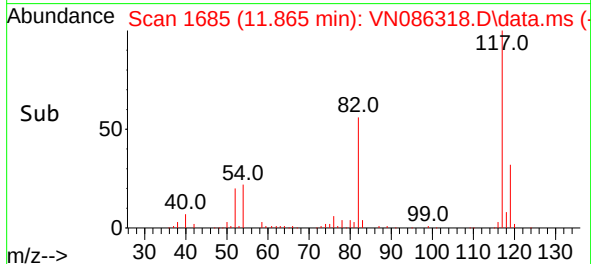
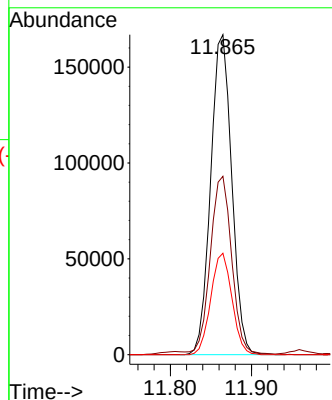
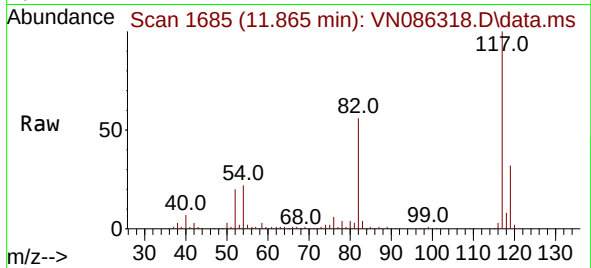




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN086318.D
Acq: 17 Apr 2025 13:41

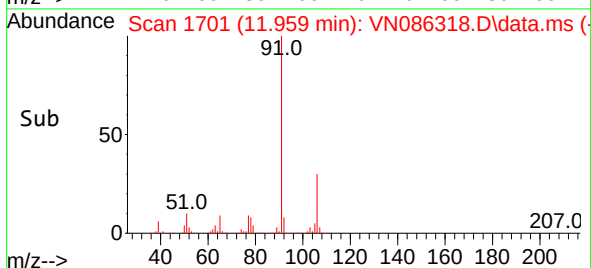
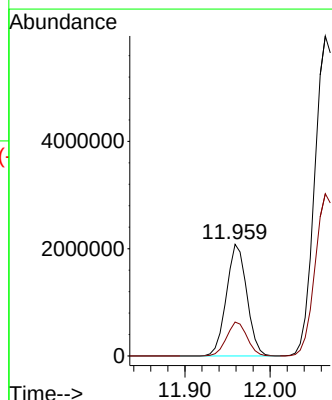
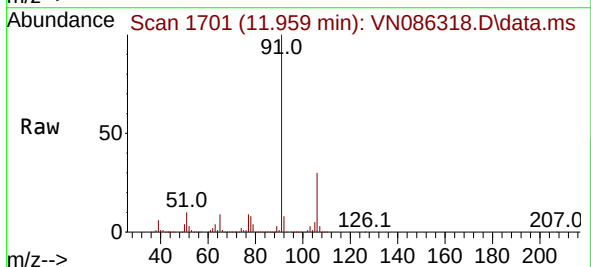
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ClientSampleId :
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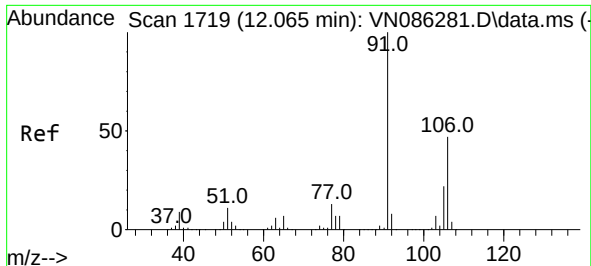
Tgt Ion:117 Resp: 300762
Ion Ratio Lower Upper
117 100
82 55.4 44.7 67.1
119 31.7 26.4 39.6



#67
Ethyl Benzene
Concen: 285.933 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VN086318.D
Acq: 17 Apr 2025 13:41

Tgt Ion: 91 Resp: 3463198
Ion Ratio Lower Upper
91 100
106 30.4 24.3 36.5

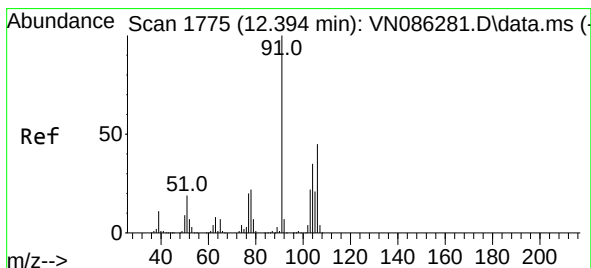
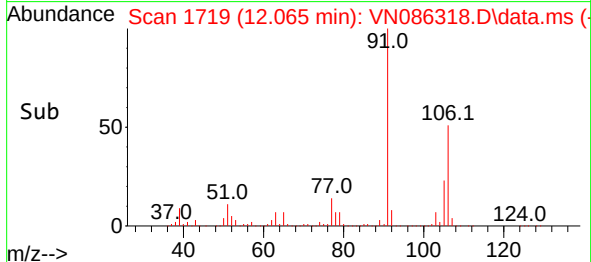
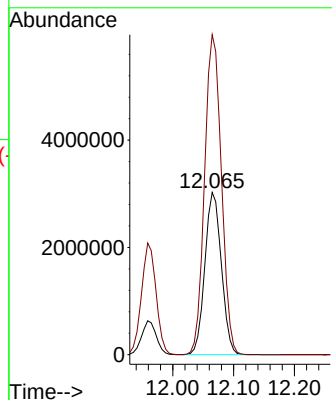
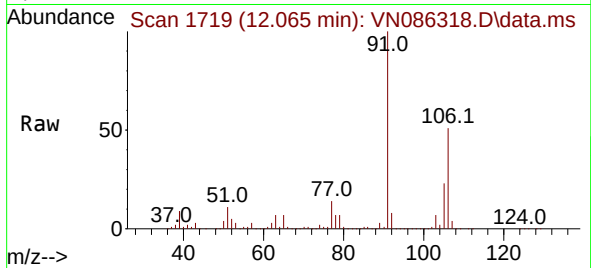




#68
m/p-Xylenes
Concen: 1253.082 ug/l
RT: 12.065 min Scan# 1719
Delta R.T. 0.000 min
Lab File: VN086318.D
Acq: 17 Apr 2025 13:41

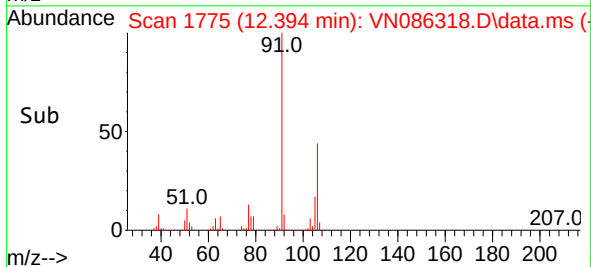
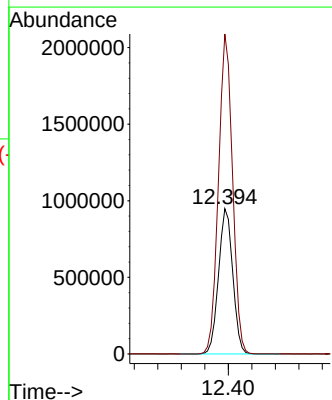
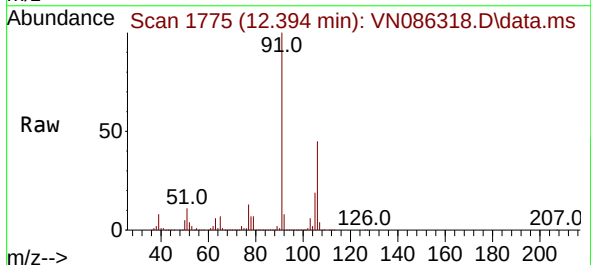
Instrument :
MSVOA_N
ClientSampleId :
288

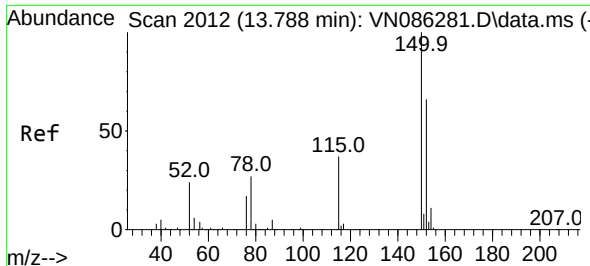
Tgt Ion:106 Resp: 5686871
Ion Ratio Lower Upper
106 100
91 201.5 166.5 249.7



#69
o-Xylene
Concen: 354.902 ug/l
RT: 12.394 min Scan# 1775
Delta R.T. 0.000 min
Lab File: VN086318.D
Acq: 17 Apr 2025 13:41

Tgt Ion:106 Resp: 1592840
Ion Ratio Lower Upper
106 100
91 217.8 109.7 329.0

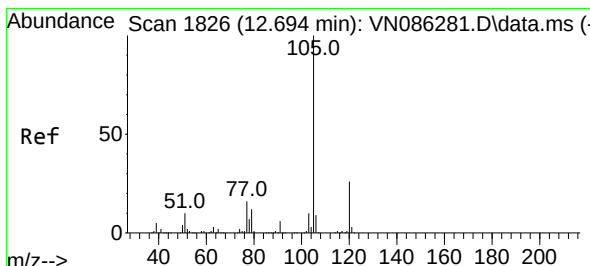
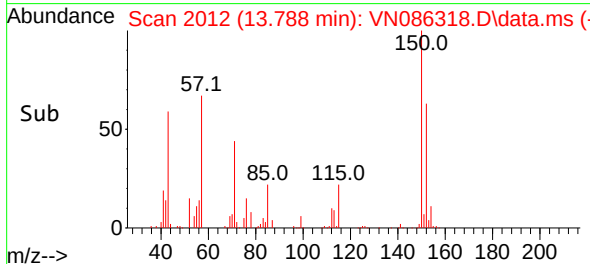
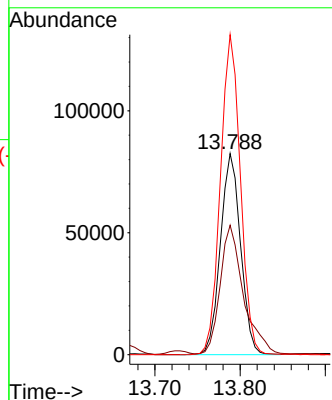
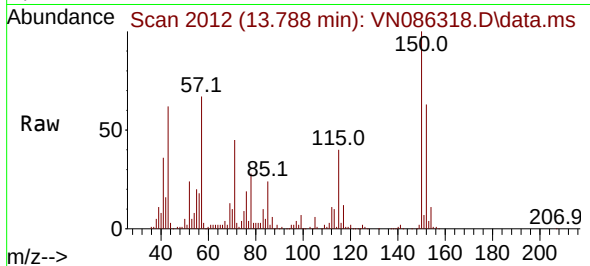




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.788 min Scan# 2012
 Delta R.T. 0.000 min
 Lab File: VN086318.D
 Acq: 17 Apr 2025 13:41

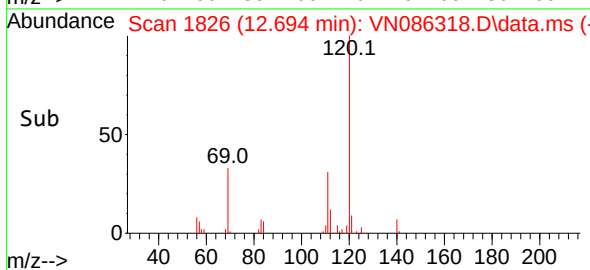
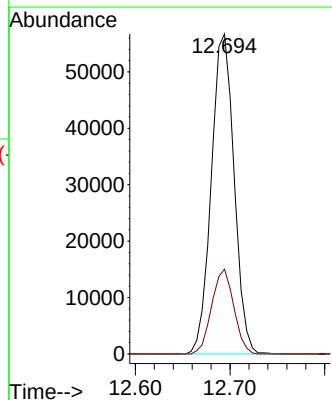
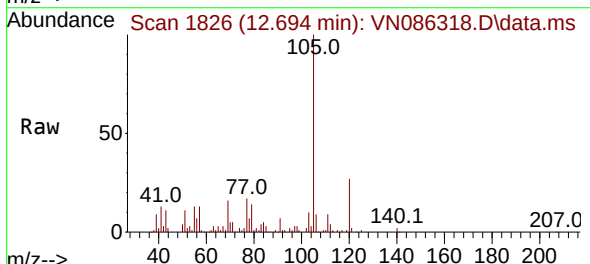
Instrument :
 MSVOA_N
 ClientSampleId :
 288

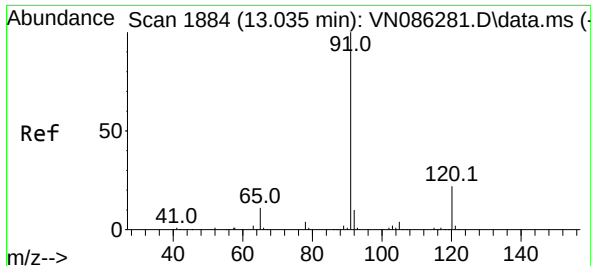
Tgt Ion:152 Resp: 135909
 Ion Ratio Lower Upper
 152 100
 115 73.6 31.9 95.9
 150 157.6 0.0 352.0



#73
 Isopropylbenzene
 Concen: 8.524 ug/l
 RT: 12.694 min Scan# 1826
 Delta R.T. 0.000 min
 Lab File: VN086318.D
 Acq: 17 Apr 2025 13:41

Tgt Ion:105 Resp: 94769
 Ion Ratio Lower Upper
 105 100
 120 25.6 13.1 39.3

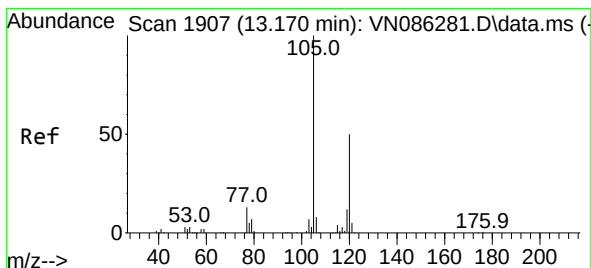
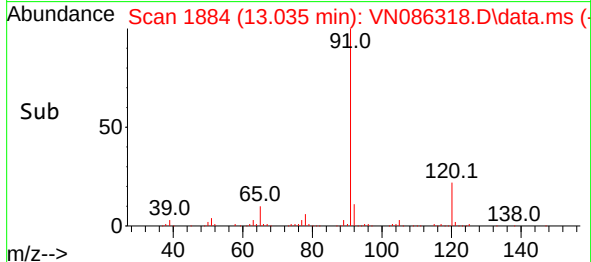
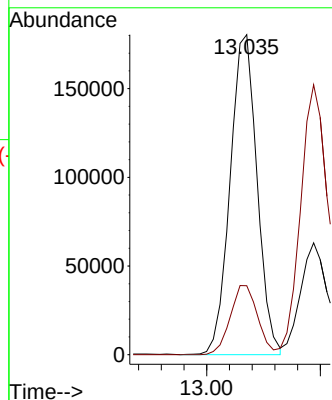
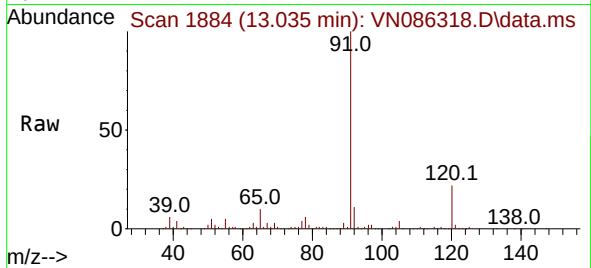




#78
n-propylbenzene
Concen: 22.693 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. 0.000 min
Lab File: VN086318.D
Acq: 17 Apr 2025 13:41

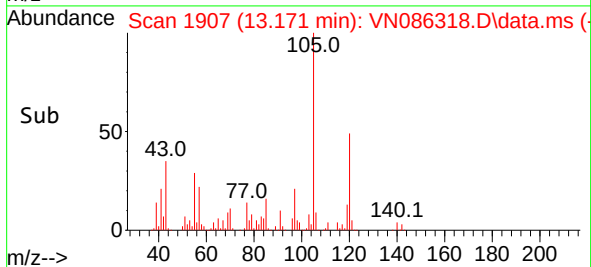
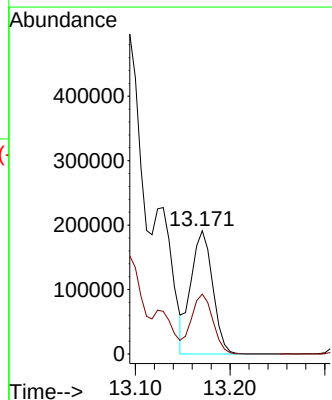
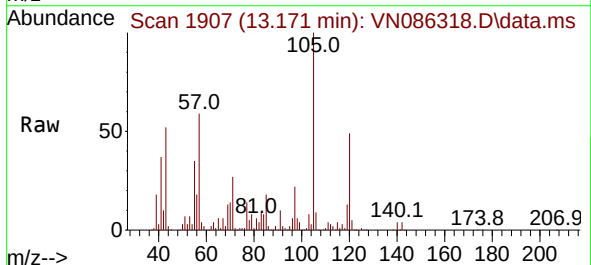
Instrument :
MSVOA_N
ClientSampleId :
288

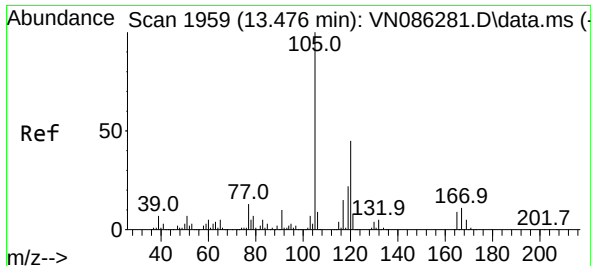
Tgt Ion: 91 Resp: 297299
Ion Ratio Lower Upper
91 100
120 21.9 11.1 33.3



#80
1,3,5-Trimethylbenzene
Concen: 33.519 ug/l
RT: 13.171 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VN086318.D
Acq: 17 Apr 2025 13:41

Tgt Ion: 105 Resp: 305008
Ion Ratio Lower Upper
105 100
120 48.4 24.5 73.5

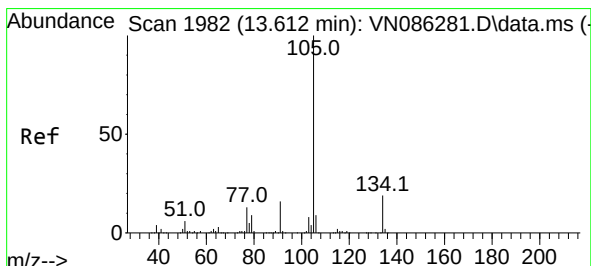
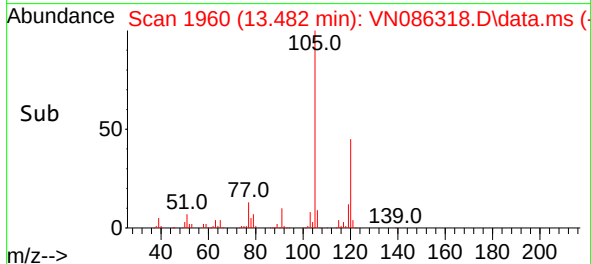
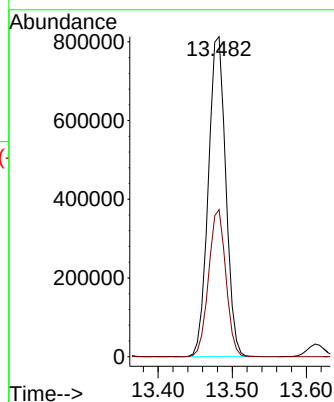
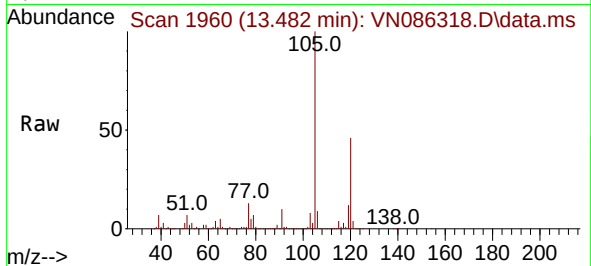




#84
1,2,4-Trimethylbenzene
Concen: 143.642 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. 0.006 min
Lab File: VN086318.D
Acq: 17 Apr 2025 13:41

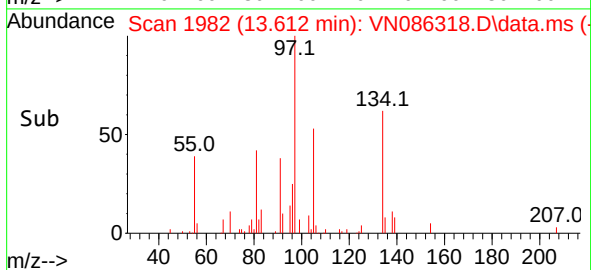
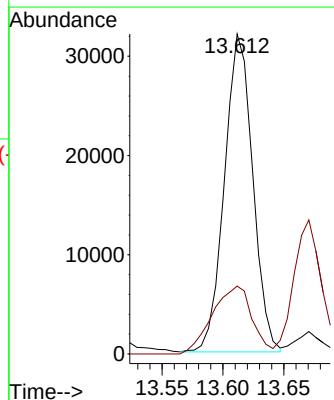
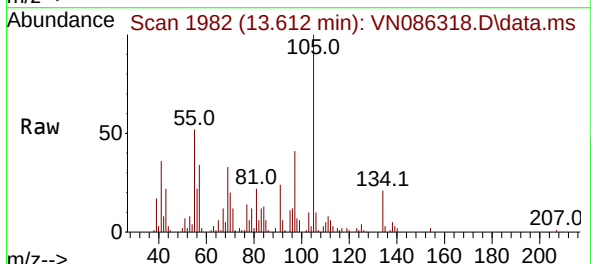
Instrument :
MSVOA_N
ClientSampleId :
288

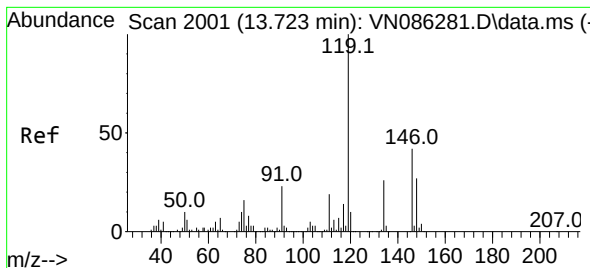
Tgt Ion:105 Resp: 1330474
Ion Ratio Lower Upper
105 100
120 45.4 22.4 67.3



#85
sec-Butylbenzene
Concen: 4.729 ug/l
RT: 13.612 min Scan# 1982
Delta R.T. 0.000 min
Lab File: VN086318.D
Acq: 17 Apr 2025 13:41

Tgt Ion:105 Resp: 51717
Ion Ratio Lower Upper
105 100
134 29.9 9.7 29.1#





#86

p-Isopropyltoluene

Concen: 4.273 ug/l

RT: 13.723 min Scan# 2001

Delta R.T. 0.000 min

Lab File: VN086318.D

Acq: 17 Apr 2025 13:41

Instrument :

MSVOA_N

ClientSampleId :

288

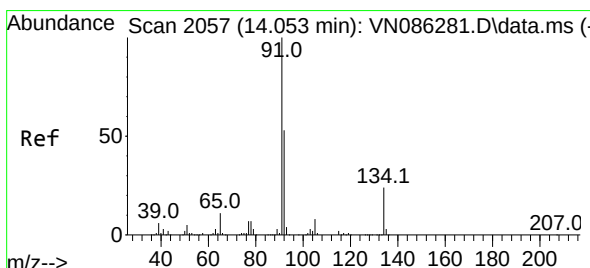
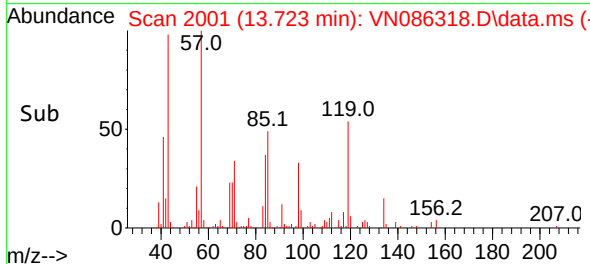
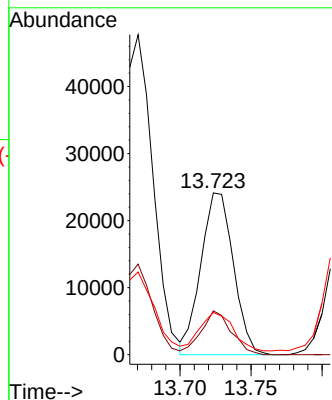
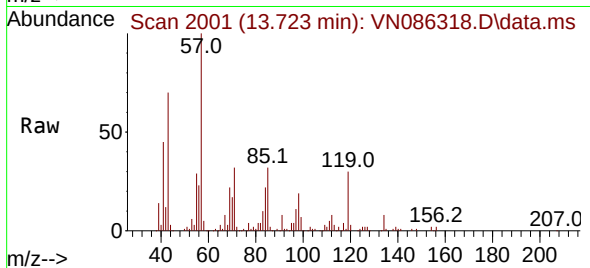
Tgt Ion:119 Resp: 38515

Ion Ratio Lower Upper

119 100

134 25.1 13.1 39.1

91 24.3 11.9 35.9



#89

n-Butylbenzene

Concen: 20.277 ug/l

RT: 14.053 min Scan# 2057

Delta R.T. 0.000 min

Lab File: VN086318.D

Acq: 17 Apr 2025 13:41

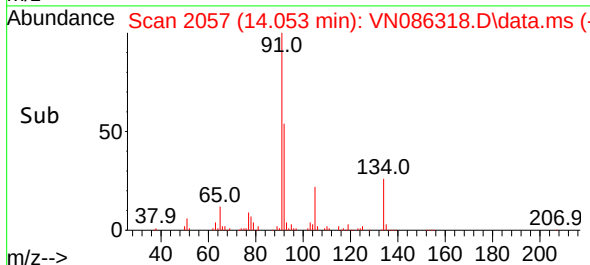
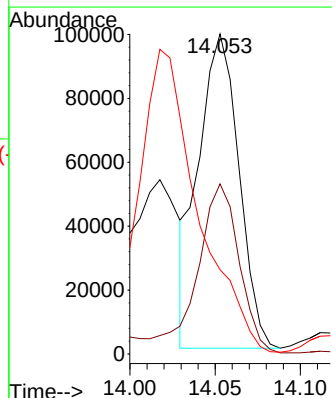
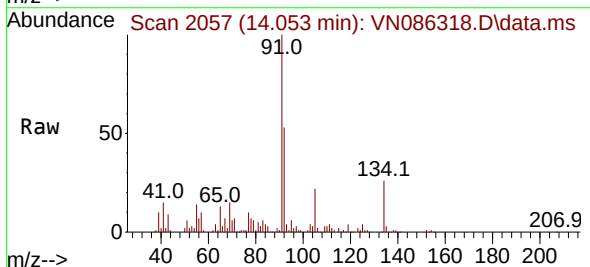
Tgt Ion: 91 Resp: 162018

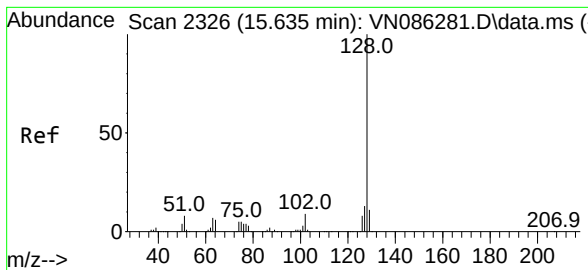
Ion Ratio Lower Upper

91 100

92 55.5 26.8 80.4

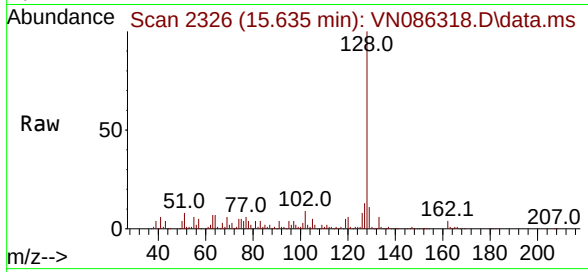
134 0.0 12.2 36.6#





#95
Naphthalene
Concen: 77.543 ug/l
RT: 15.635 min Scan# 21
Delta R.T. 0.000 min
Lab File: VN086318.D
Acq: 17 Apr 2025 13:41

Instrument :
MSVOA_N
ClientSampleId :
288



Tgt Ion:128 Resp: 590948

Ion	Ratio	Lower	Upper
128	100		
127	12.5	10.2	15.4
129	11.3	8.6	13.0

