

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN041725\
 Data File : VN086321.D
 Acq On : 17 Apr 2025 14:54
 Operator : JC\MD
 Sample : Q1824-01 20X
 Misc : 1.14g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 284

Quant Time: Apr 18 01:31:54 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)

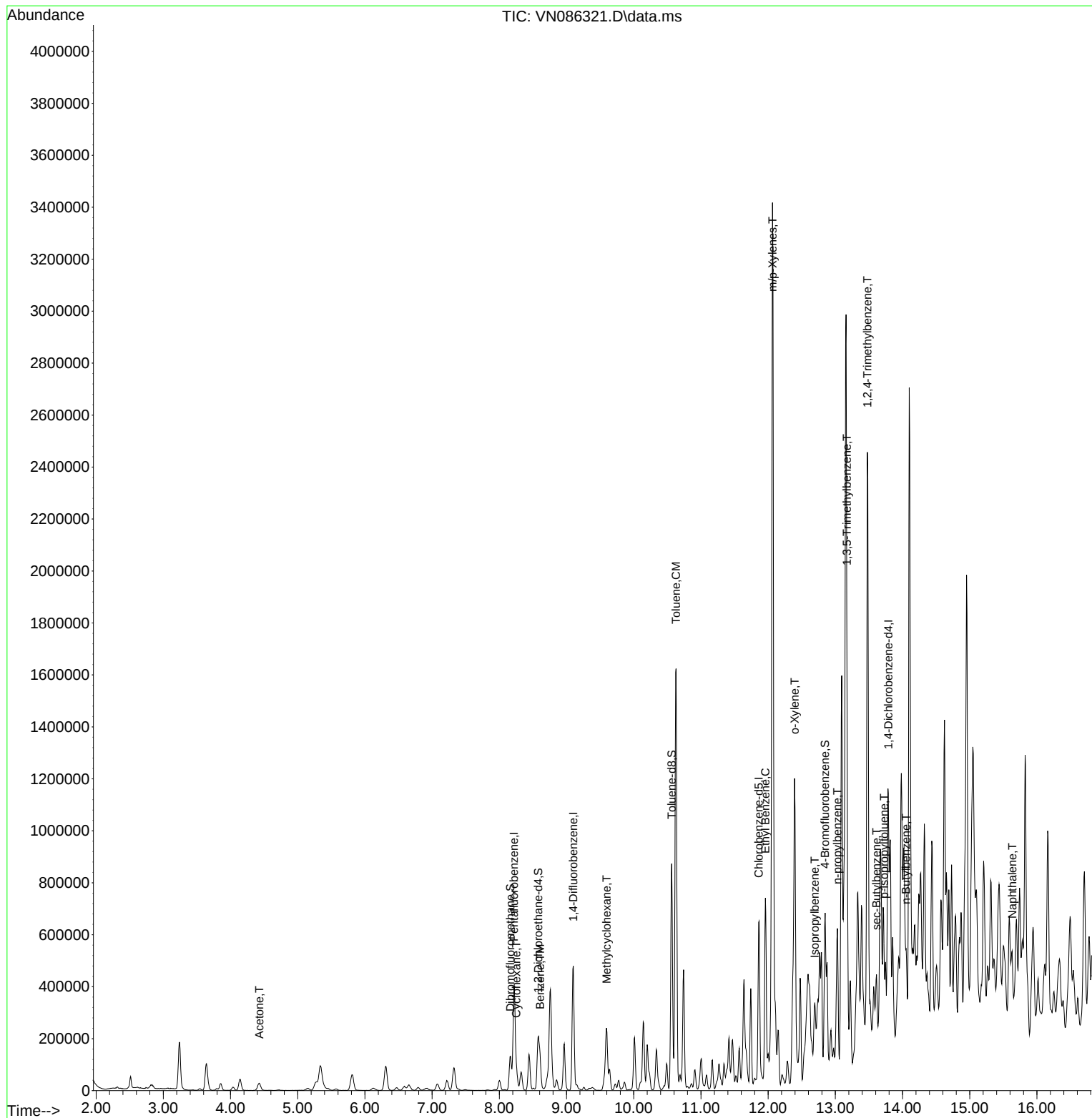
Internal Standards						
1) Pentafluorobenzene	8.218	168	205645	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	396502	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.859	117	375424	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	182856	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	146964	49.283	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 98.560%			
35) Dibromofluoromethane	8.165	113	98716	53.644	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 107.280%			
50) Toluene-d8	10.565	98	514759	52.339	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 104.680%			
62) 4-Bromofluorobenzene	12.847	95	201844	56.267	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 112.540%			
Target Compounds					Qvalue	
16) Acetone	4.430	43	41069	34.924	ug/l	93
31) Cyclohexane	8.253	56	65166	13.485	ug/l #	94
39) Methylcyclohexane	9.594	83	86377	19.772	ug/l	97
40) Benzene	8.606	78	124160	10.543	ug/l	99
52) Toluene	10.630	92	736491	100.229	ug/l	100
67) Ethyl Benzene	11.959	91	512876	33.923	ug/l	100
68) m/p-Xylenes	12.065	106	698644	123.328	ug/l	99
69) o-Xylene	12.394	106	288850	51.560	ug/l	99
73) Isopropylbenzene	12.694	105	95229	6.366	ug/l	99
78) n-propylbenzene	13.029	91	345062	19.577	ug/l	100
80) 1,3,5-Trimethylbenzene	13.171	105	345712	28.238	ug/l	100
84) 1,2,4-Trimethylbenzene	13.476	105	1335080	107.133	ug/l	99
85) sec-Butylbenzene	13.612	105	114777	7.801	ug/l	83
86) p-Isopropyltoluene	13.723	119	64143	5.289	ug/l	100
89) n-Butylbenzene	14.053	91	167963	15.624	ug/l #	81
95) Naphthalene	15.635	128	150575	14.685	ug/l	98

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

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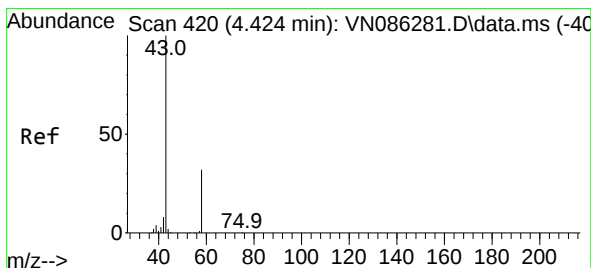
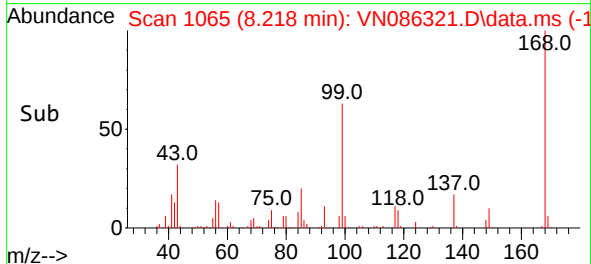
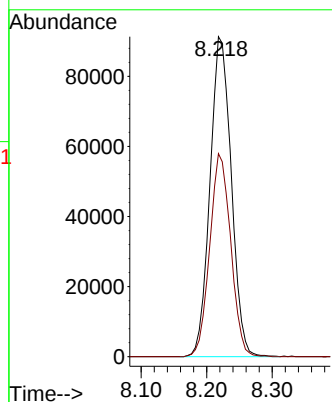
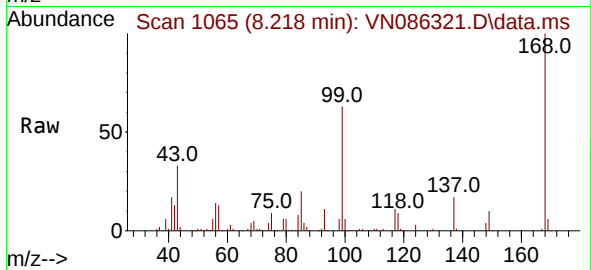




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.000 min
Lab File: VN086321.D
Acq: 17 Apr 2025 14:54

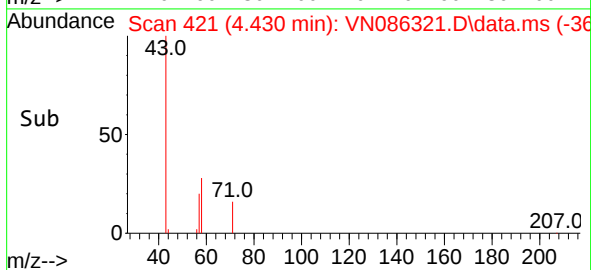
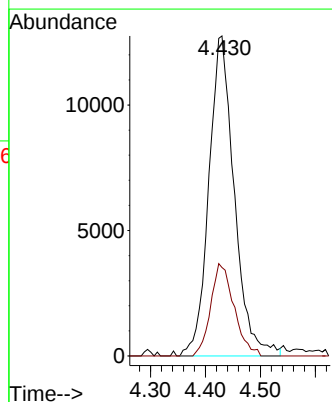
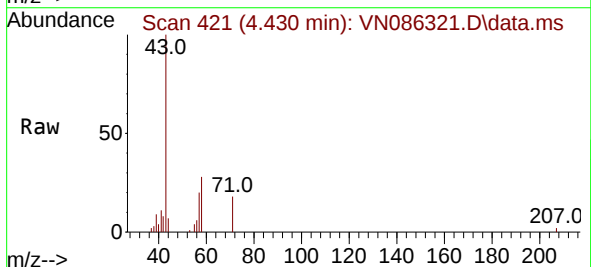
Instrument :
MSVOA_N
ClientSampleId :
284

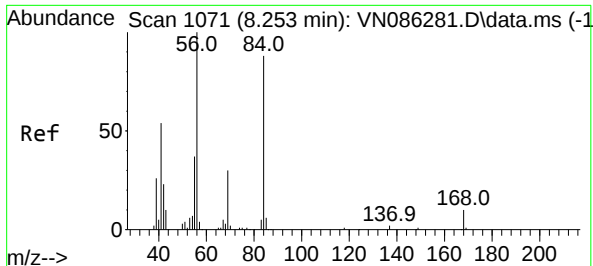
Tgt Ion:168 Resp: 205645
Ion Ratio Lower Upper
168 100
99 63.5 52.5 78.7



#16
Acetone
Concen: 34.924 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN086321.D
Acq: 17 Apr 2025 14:54

Tgt Ion: 43 Resp: 41069
Ion Ratio Lower Upper
43 100
58 27.6 25.3 37.9

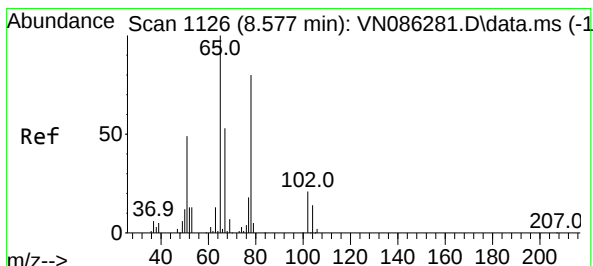
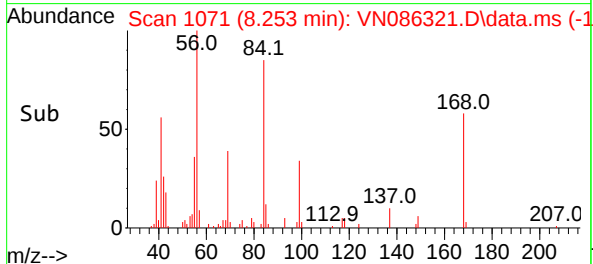
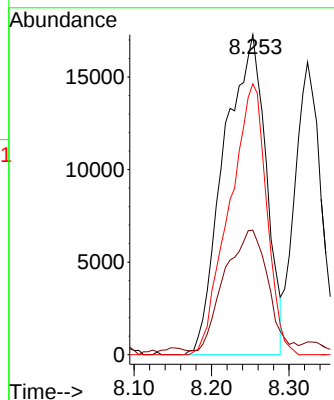
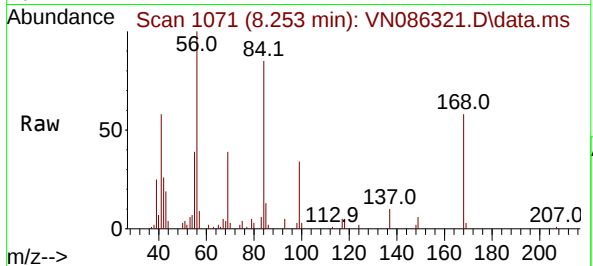




#31
Cyclohexane
Concen: 13.485 ug/l
RT: 8.253 min Scan# 1071
Delta R.T. 0.000 min
Lab File: VN086321.D
Acq: 17 Apr 2025 14:54

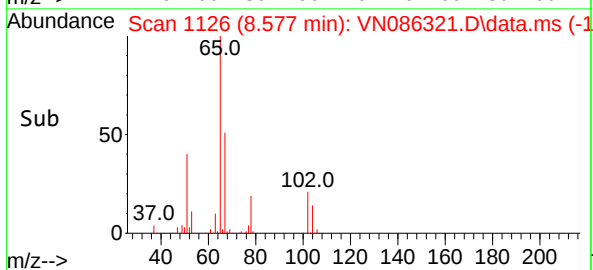
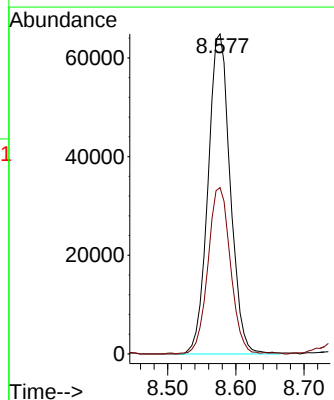
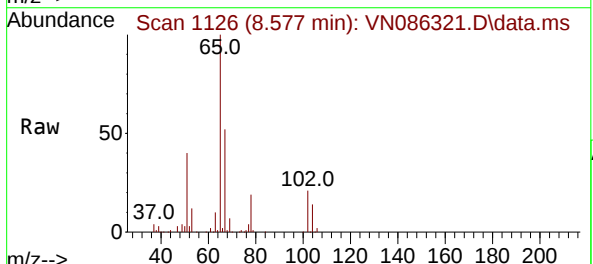
Instrument :
MSVOA_N
ClientSampleId :
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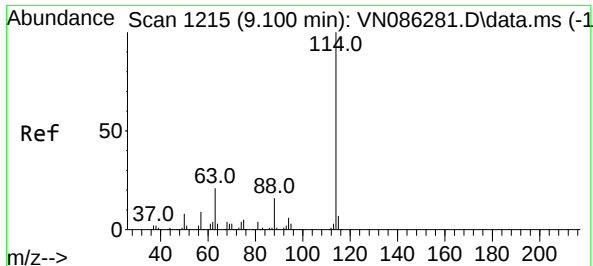
Tgt Ion: 56 Resp: 65166
Ion Ratio Lower Upper
56 100
69 37.0 24.2 36.2#
84 84.6 70.3 105.5



#33
1,2-Dichloroethane-d4
Concen: 49.283 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VN086321.D
Acq: 17 Apr 2025 14:54

Tgt Ion: 65 Resp: 146964
Ion Ratio Lower Upper
65 100
67 52.9 0.0 106.0

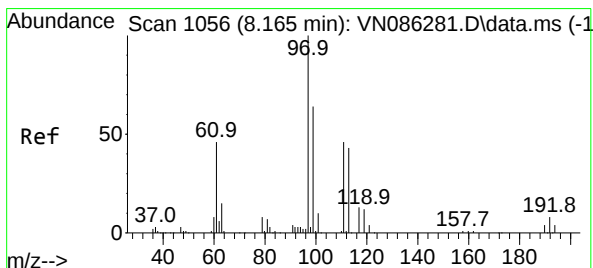
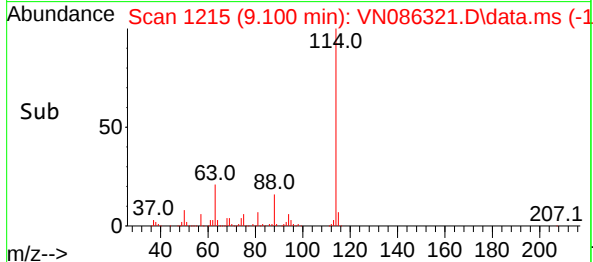
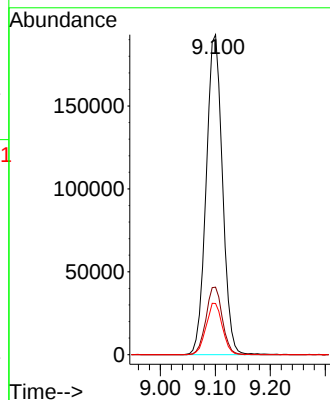
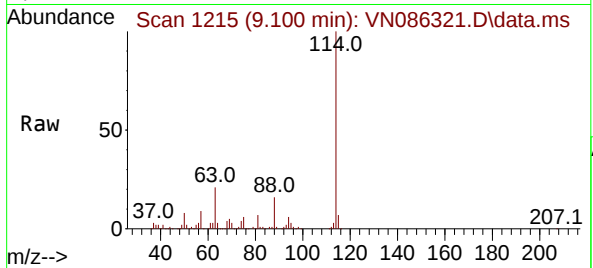




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN086321.D
Acq: 17 Apr 2025 14:54

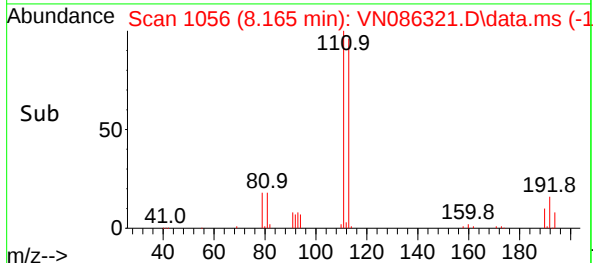
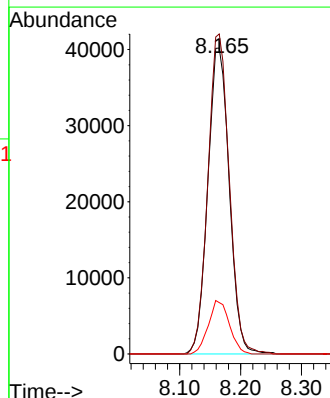
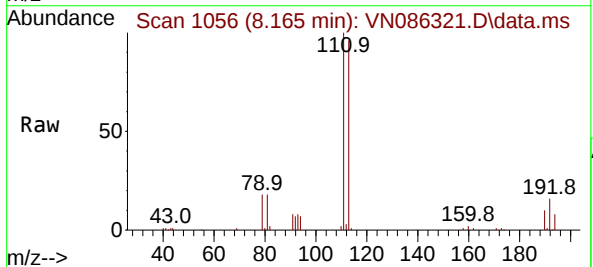
Instrument :
MSVOA_N
ClientSampleId :
284

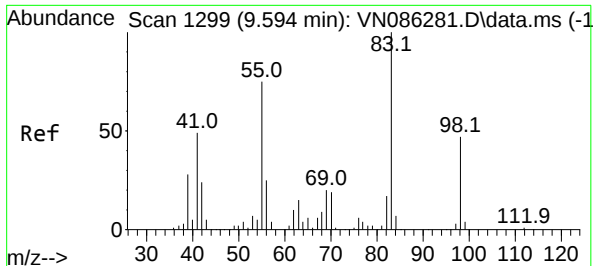
Tgt Ion:114 Resp: 396502
Ion Ratio Lower Upper
114 100
63 21.1 0.0 42.6
88 16.0 0.0 31.8



#35
Dibromofluoromethane
Concen: 53.644 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VN086321.D
Acq: 17 Apr 2025 14:54

Tgt Ion:113 Resp: 98716
Ion Ratio Lower Upper
113 100
111 103.8 83.4 125.0
192 17.1 13.7 20.5





#39

Methylcyclohexane

Concen: 19.772 ug/l

RT: 9.594 min Scan# 1129

Delta R.T. 0.000 min

Lab File: VN086321.D

Acq: 17 Apr 2025 14:54

Instrument :

MSVOA_N

ClientSampleId :

284

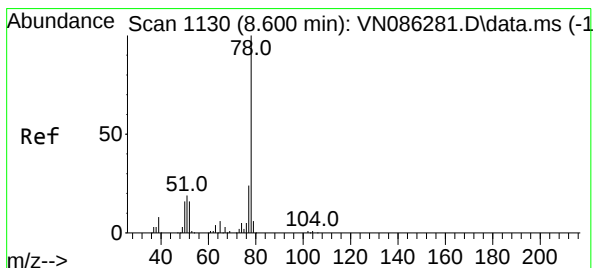
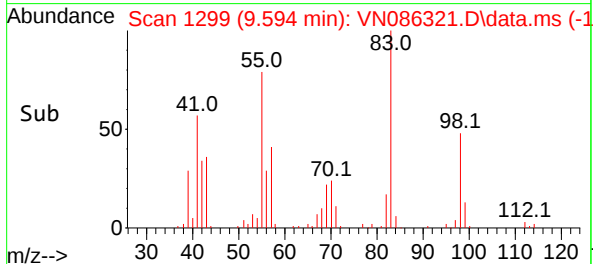
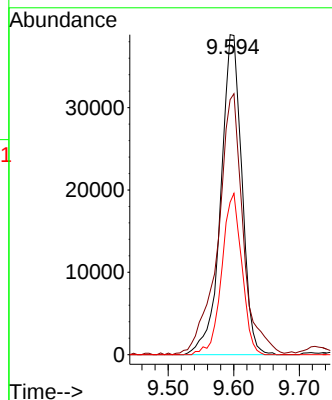
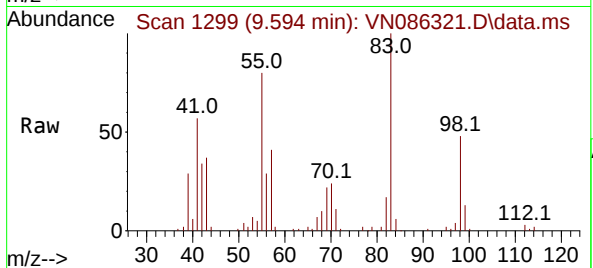
Tgt Ion: 83 Resp: 86377

Ion Ratio Lower Upper

83 100

55 79.1 59.8 89.8

98 47.6 37.9 56.9



#40

Benzene

Concen: 10.543 ug/l

RT: 8.606 min Scan# 1131

Delta R.T. 0.006 min

Lab File: VN086321.D

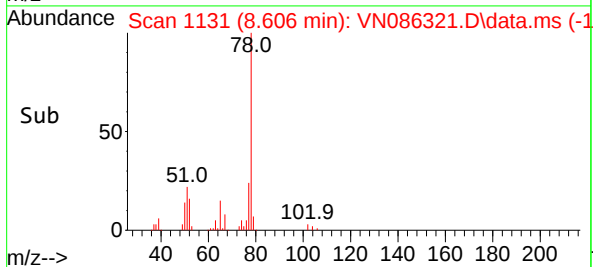
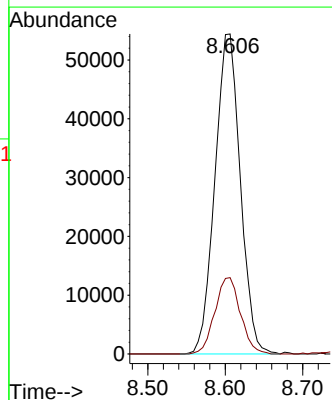
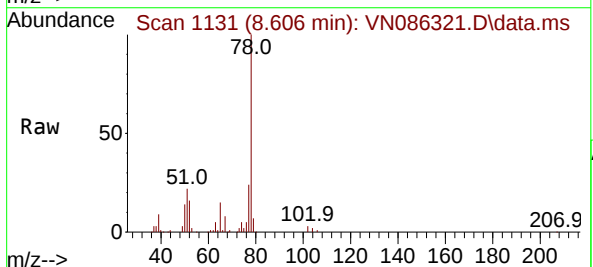
Acq: 17 Apr 2025 14:54

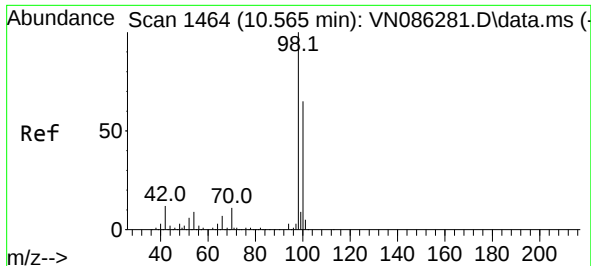
Tgt Ion: 78 Resp: 124160

Ion Ratio Lower Upper

78 100

77 23.9 19.4 29.2

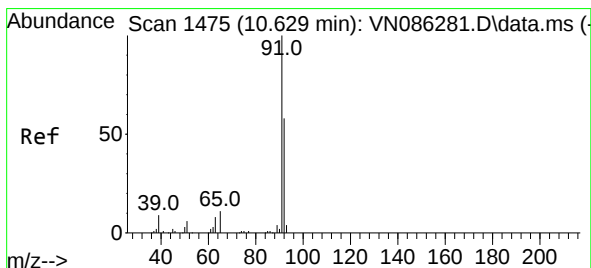
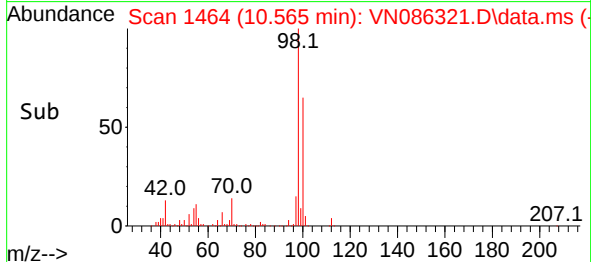
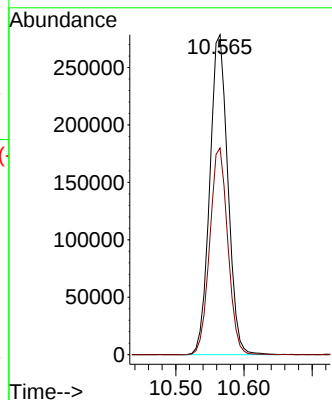
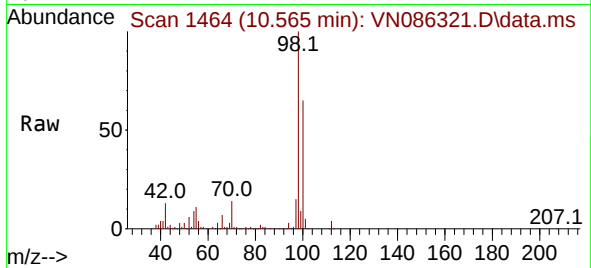




#50
Toluene-d8
Concen: 52.339 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN086321.D
Acq: 17 Apr 2025 14:54

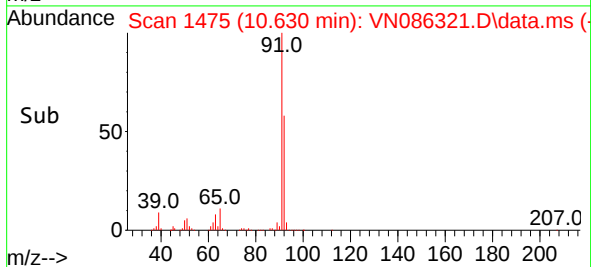
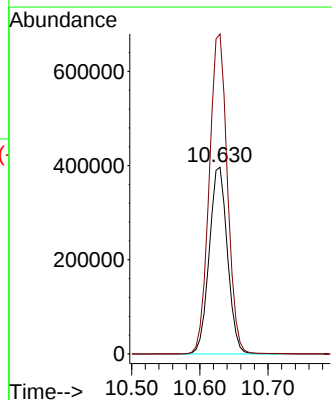
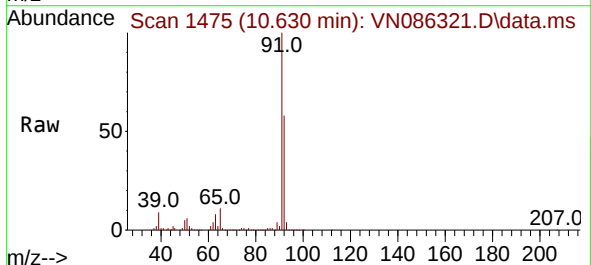
Instrument :
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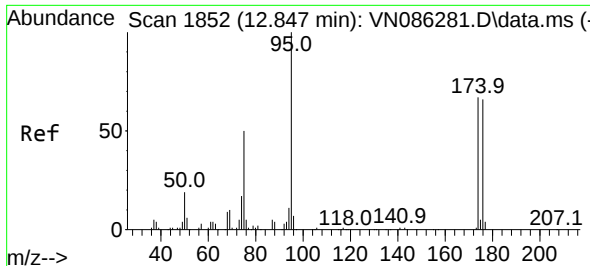
Tgt Ion: 98 Resp: 514759
Ion Ratio Lower Upper
98 100
100 64.4 52.5 78.7



#52
Toluene
Concen: 100.229 ug/l
RT: 10.630 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VN086321.D
Acq: 17 Apr 2025 14:54

Tgt Ion: 92 Resp: 736491
Ion Ratio Lower Upper
92 100
91 171.5 137.3 205.9

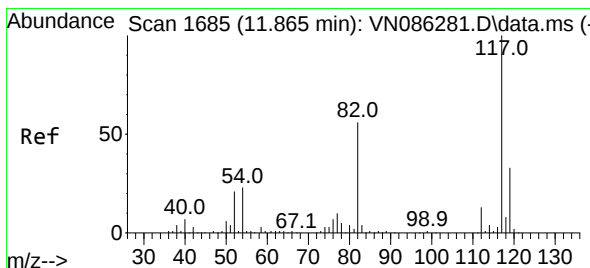
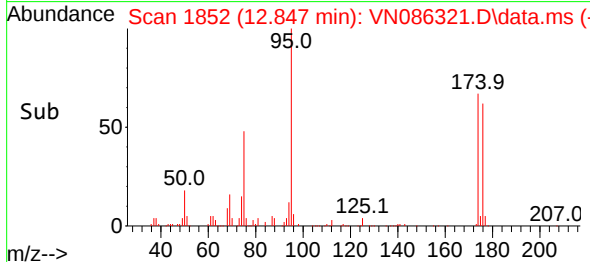
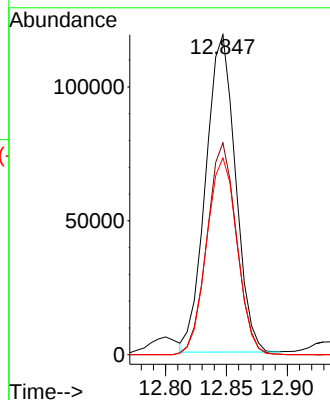
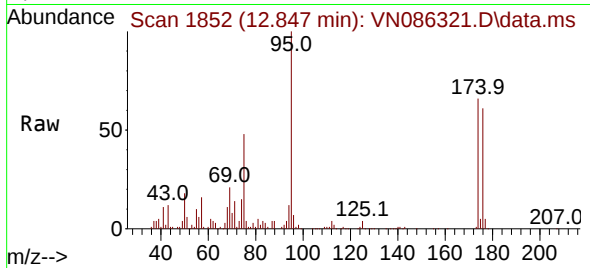




#62
4-Bromofluorobenzene
Concen: 56.267 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN086321.D
Acq: 17 Apr 2025 14:54

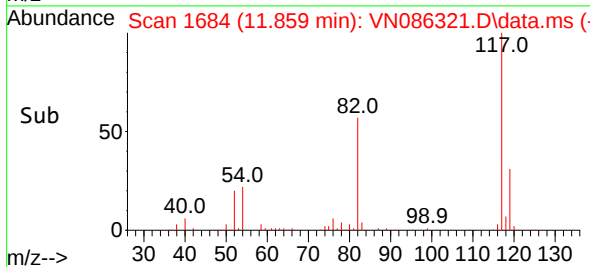
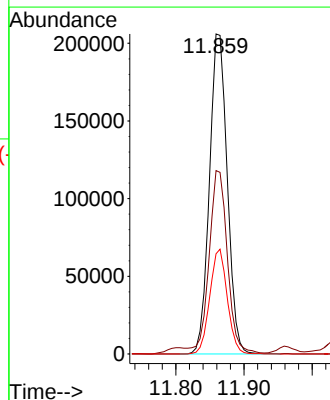
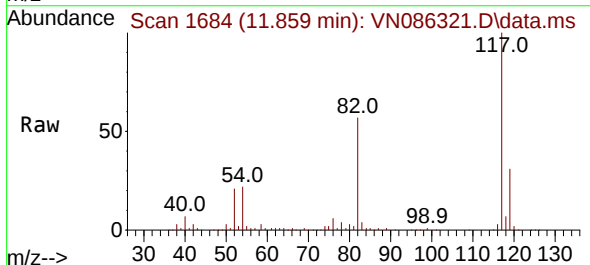
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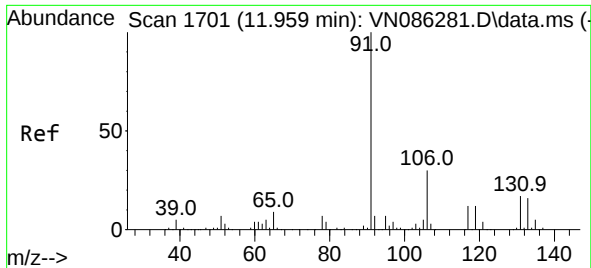
Tgt Ion: 95 Resp: 201844
Ion Ratio Lower Upper
95 100
174 66.3 0.0 133.4
176 63.7 0.0 129.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.859 min Scan# 1684
Delta R.T. -0.006 min
Lab File: VN086321.D
Acq: 17 Apr 2025 14:54

Tgt Ion: 117 Resp: 375424
Ion Ratio Lower Upper
117 100
82 55.4 44.7 67.1
119 31.3 26.4 39.6

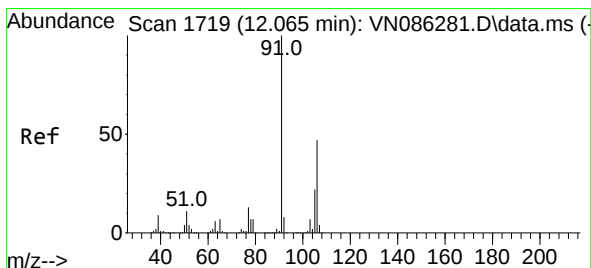
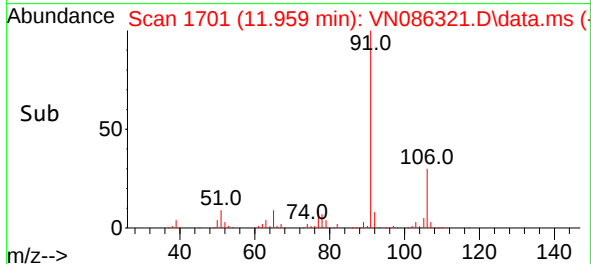
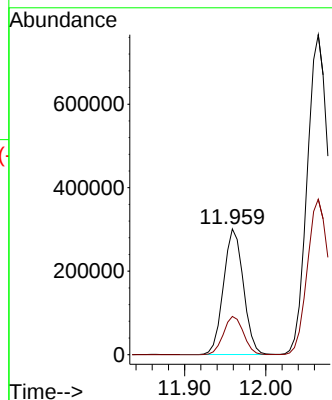
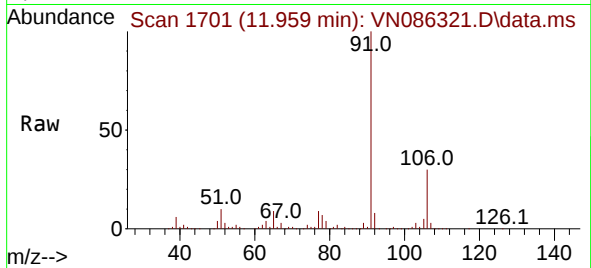




#67
Ethyl Benzene
Concen: 33.923 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VN086321.D
Acq: 17 Apr 2025 14:54

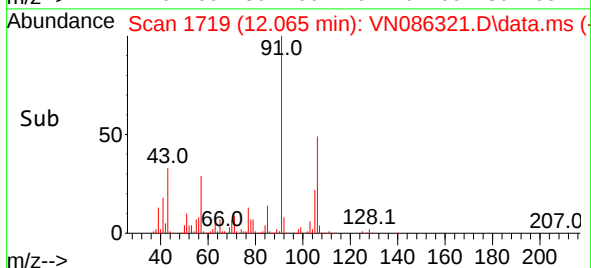
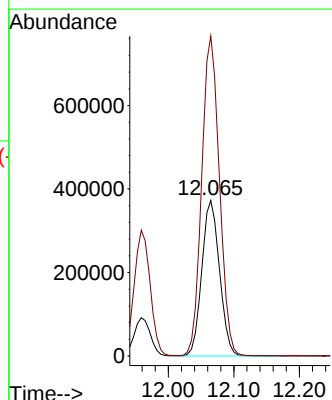
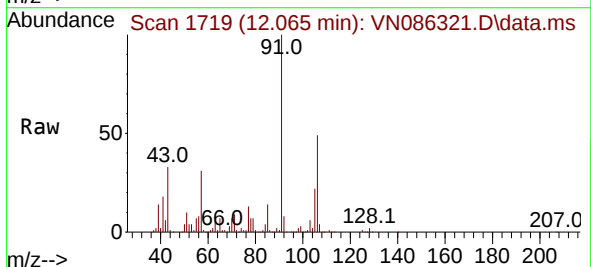
Instrument :
MSVOA_N
ClientSampleId :
284

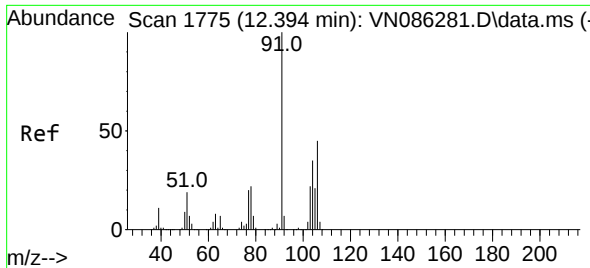
Tgt Ion: 91 Resp: 512876
Ion Ratio Lower Upper
91 100
106 30.4 24.3 36.5



#68
m/p-Xylenes
Concen: 123.328 ug/l
RT: 12.065 min Scan# 1719
Delta R.T. 0.000 min
Lab File: VN086321.D
Acq: 17 Apr 2025 14:54

Tgt Ion: 106 Resp: 698644
Ion Ratio Lower Upper
106 100
91 206.0 166.5 249.7

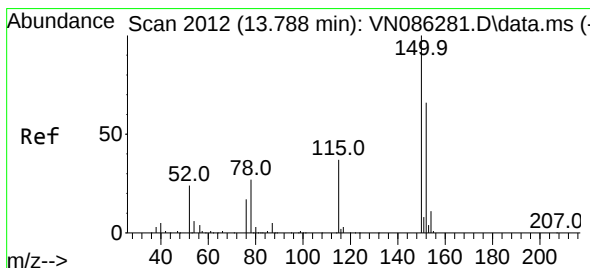
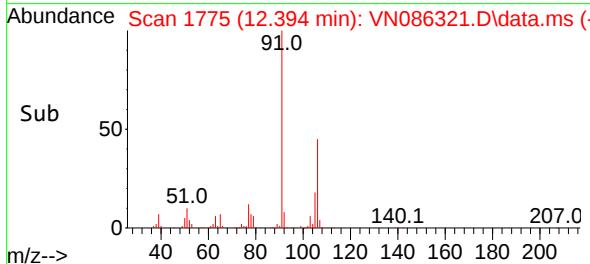
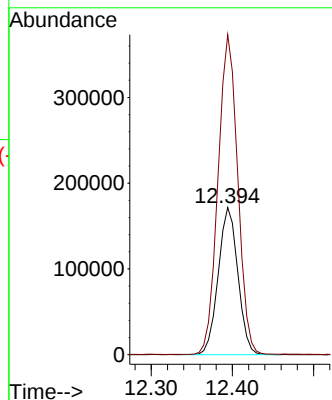
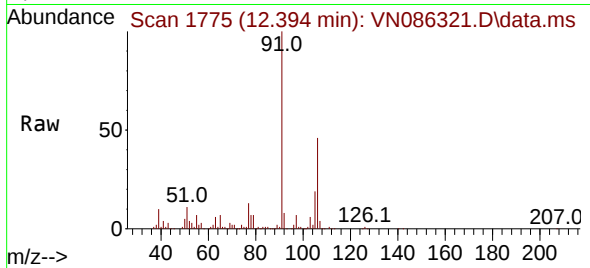




#69
o-Xylene
Concen: 51.560 ug/l
RT: 12.394 min Scan# 1775
Delta R.T. 0.000 min
Lab File: VN086321.D
Acq: 17 Apr 2025 14:54

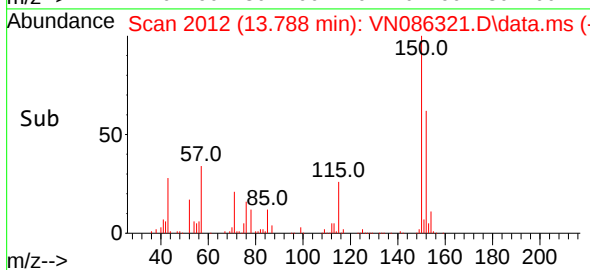
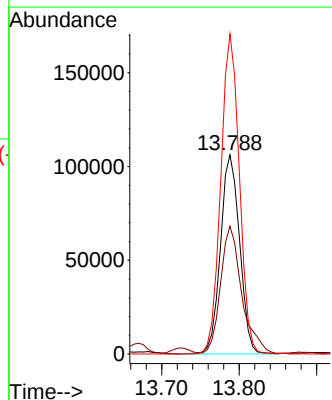
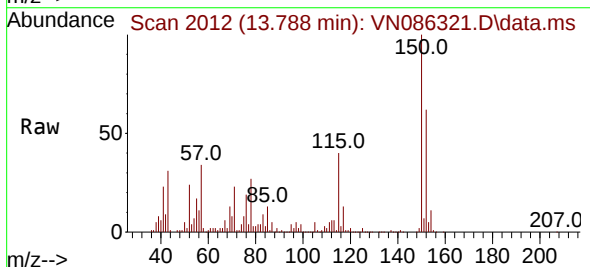
Instrument :
MSVOA_N
ClientSampleId :
284

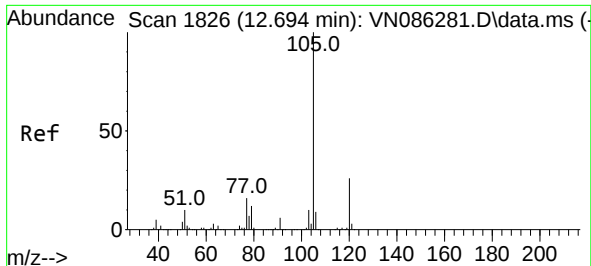
Tgt Ion:106 Resp: 288850
Ion Ratio Lower Upper
106 100
91 218.3 109.7 329.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN086321.D
Acq: 17 Apr 2025 14:54

Tgt Ion:152 Resp: 182856
Ion Ratio Lower Upper
152 100
115 69.9 31.9 95.9
150 155.8 0.0 352.0

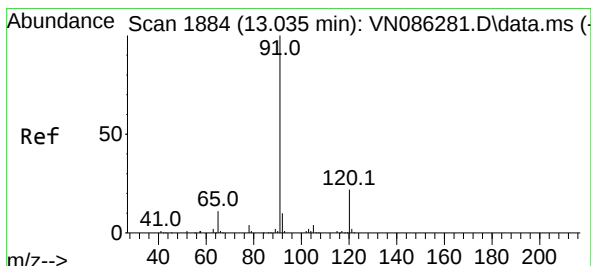
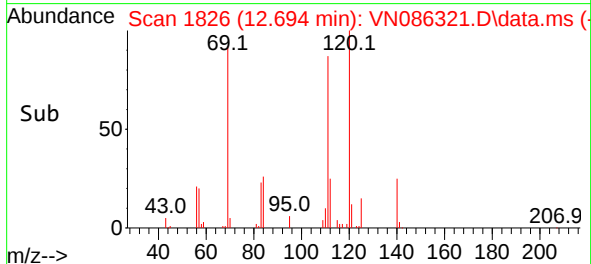
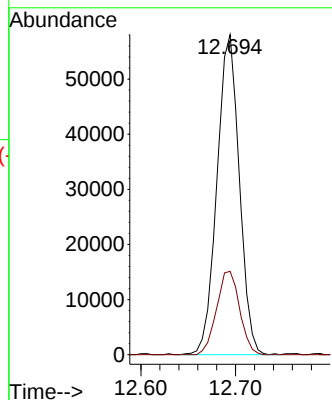
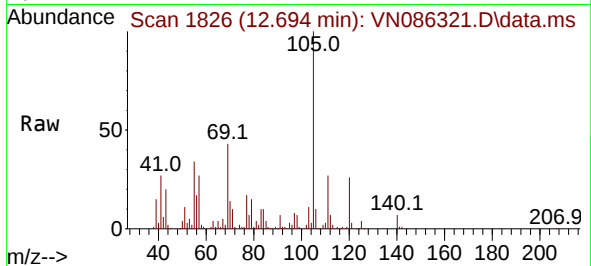




#73
Isopropylbenzene
Concen: 6.366 ug/l
RT: 12.694 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN086321.D
Acq: 17 Apr 2025 14:54

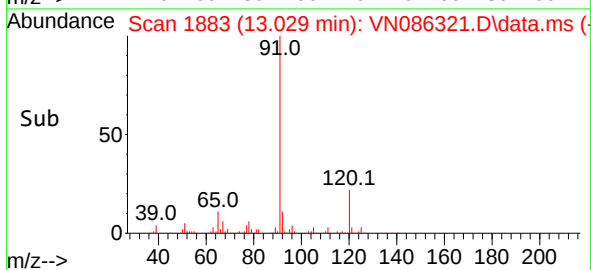
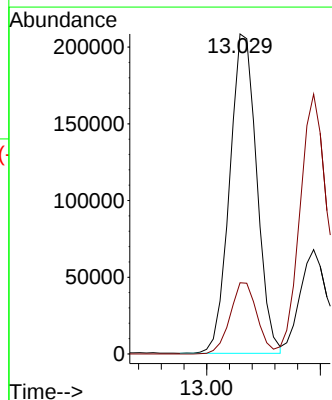
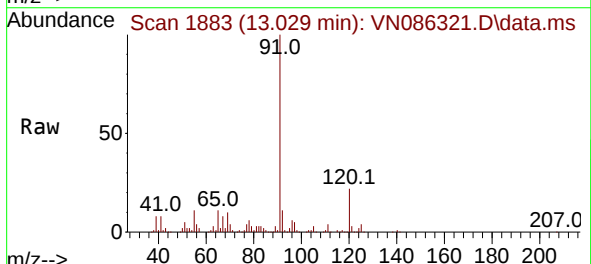
Instrument :
MSVOA_N
ClientSampleId :
284

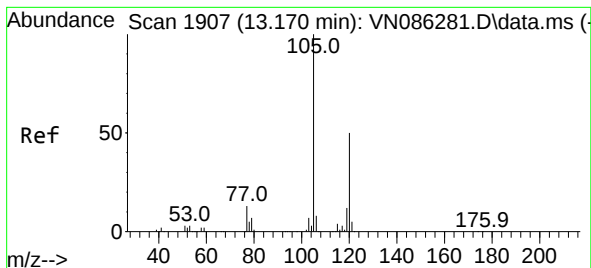
Tgt Ion:105 Resp: 95229
Ion Ratio Lower Upper
105 100
120 26.9 13.1 39.3



#78
n-propylbenzene
Concen: 19.577 ug/l
RT: 13.029 min Scan# 1883
Delta R.T. -0.006 min
Lab File: VN086321.D
Acq: 17 Apr 2025 14:54

Tgt Ion: 91 Resp: 345062
Ion Ratio Lower Upper
91 100
120 22.0 11.1 33.3

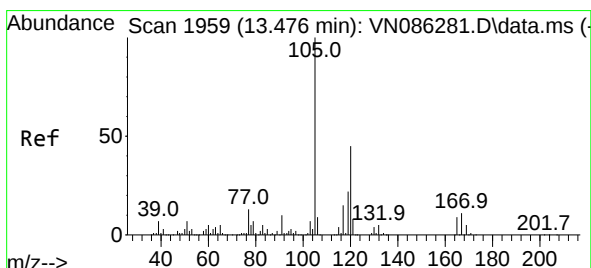
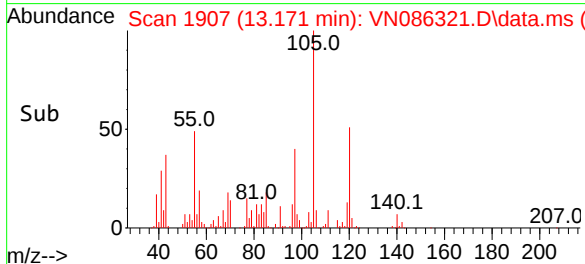
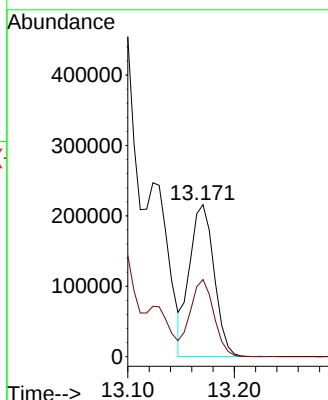
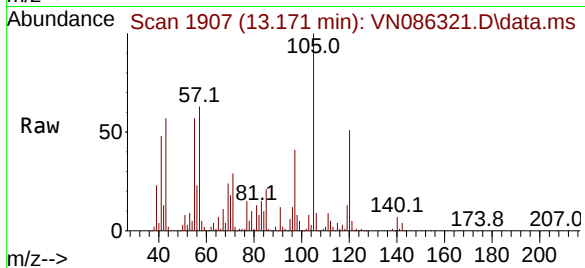




#80
1,3,5-Trimethylbenzene
Concen: 28.238 ug/l
RT: 13.171 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VN086321.D
Acq: 17 Apr 2025 14:54

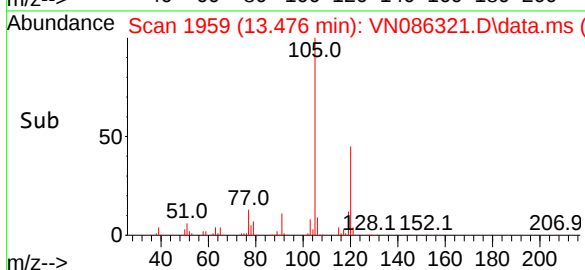
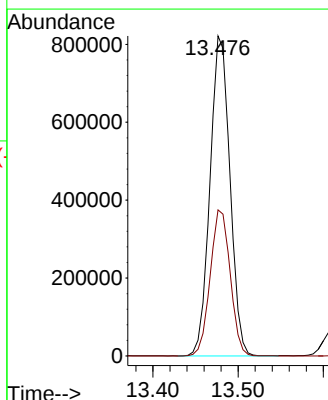
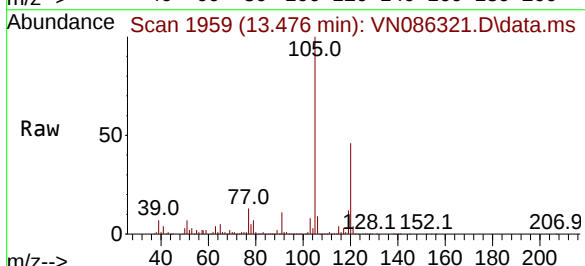
Instrument :
MSVOA_N
ClientSampleId :
284

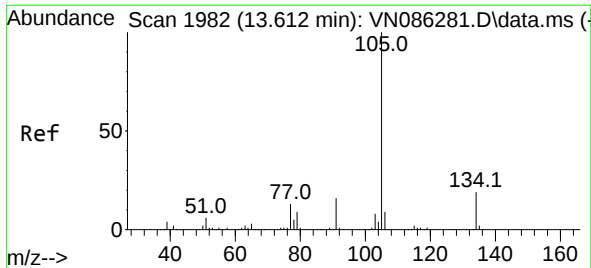
Tgt Ion:105 Resp: 345712
Ion Ratio Lower Upper
105 100
120 49.1 24.5 73.5



#84
1,2,4-Trimethylbenzene
Concen: 107.133 ug/l
RT: 13.476 min Scan# 1959
Delta R.T. 0.000 min
Lab File: VN086321.D
Acq: 17 Apr 2025 14:54

Tgt Ion:105 Resp: 1335080
Ion Ratio Lower Upper
105 100
120 45.8 22.4 67.3

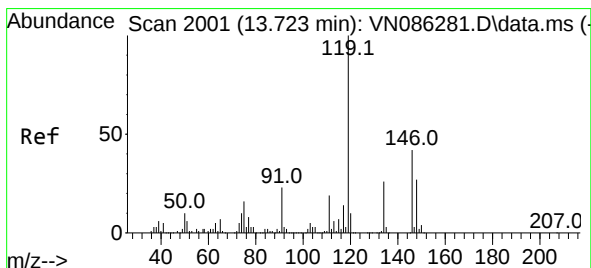
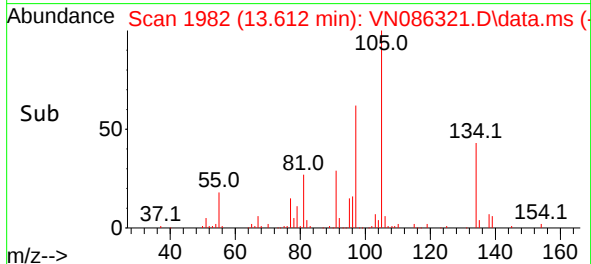
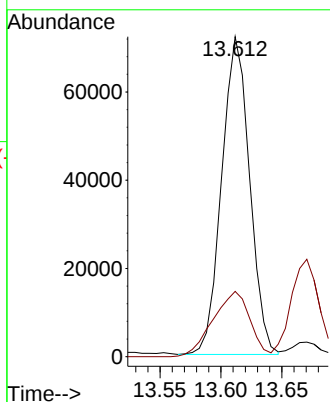
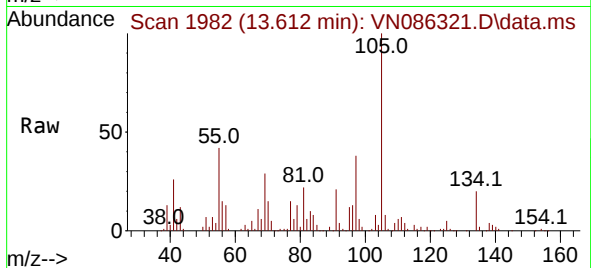




#85
 sec-Butylbenzene
 Concen: 7.801 ug/l
 RT: 13.612 min Scan# 1982
 Delta R.T. 0.000 min
 Lab File: VN086321.D
 Acq: 17 Apr 2025 14:54

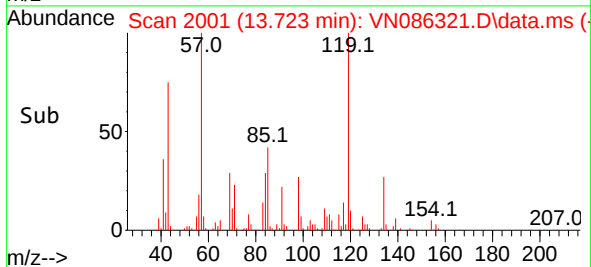
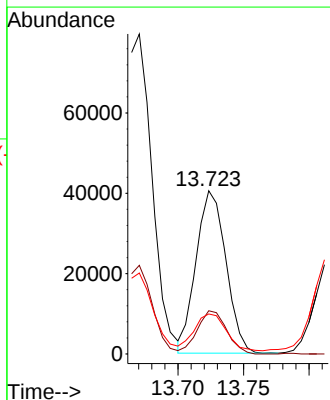
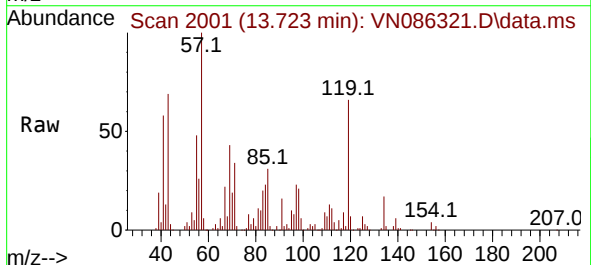
Instrument :
 MSVOA_N
 ClientSampleId :
 284

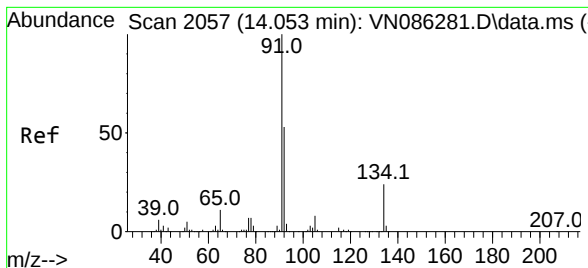
Tgt Ion:105 Resp: 114777
 Ion Ratio Lower Upper
 105 100
 134 27.2 9.7 29.1



#86
 p-Isopropyltoluene
 Concen: 5.289 ug/l
 RT: 13.723 min Scan# 2001
 Delta R.T. 0.000 min
 Lab File: VN086321.D
 Acq: 17 Apr 2025 14:54

Tgt Ion:119 Resp: 64143
 Ion Ratio Lower Upper
 119 100
 134 26.1 13.1 39.1
 91 24.0 11.9 35.9





#89

n-Butylbenzene

Concen: 15.624 ug/l

RT: 14.053 min Scan# 2057

Delta R.T. 0.000 min

Lab File: VN086321.D

Acq: 17 Apr 2025 14:54

Instrument :

MSVOA_N

ClientSampleId :

284

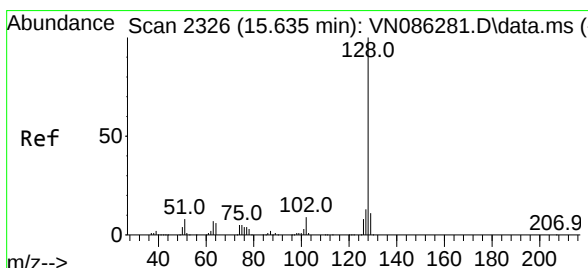
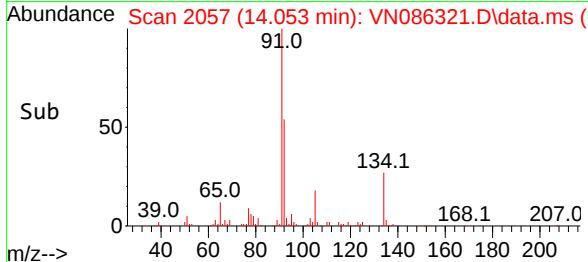
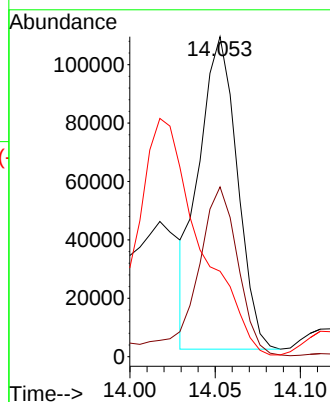
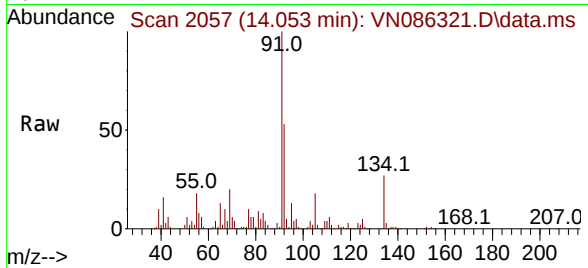
Tgt Ion: 91 Resp: 167963

Ion Ratio Lower Upper

91 100

92 57.4 26.8 80.4

134 0.0 12.2 36.6#



#95

Naphthalene

Concen: 14.685 ug/l

RT: 15.635 min Scan# 2326

Delta R.T. 0.000 min

Lab File: VN086321.D

Acq: 17 Apr 2025 14:54

Tgt Ion:128 Resp: 150575

Ion Ratio Lower Upper

128 100

127 12.3 10.2 15.4

129 9.7 8.6 13.0

