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 Data File : VN086937.D
 Acq On : 10 Jun 2025 18:14
 Operator : JC\MD
 Sample : Q2279-01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 301-469-5TH-AVE

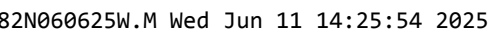
Quant Time: Jun 11 01:59:47 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 07 02:12:50 2025
 Response via : Initial Calibration

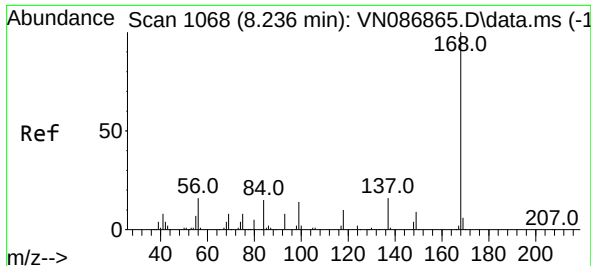
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.235	168	237002	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	451972	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	406060	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	192591	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	156149	49.209	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	=	98.420%	
35) Dibromofluoromethane	8.177	113	134089	50.061	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	=	100.120%	
50) Toluene-d8	10.571	98	545912	51.484	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	=	102.960%	
62) 4-Bromofluorobenzene	12.847	95	199382	50.611	ug/l	0.00
Spiked Amount	50.000	Range 77 - 121	Recovery	=	101.220%	
Target Compounds						
					Qvalue	
16) Acetone	4.447	43	126933	75.431	ug/l	97
25) 2-Butanone	7.494	43	6652	2.432	ug/l	93
39) Methylcyclohexane	9.606	83	5461	0.999	ug/l #	82
40) Benzene	8.612	78	9885	0.757	ug/l	99
52) Toluene	10.635	92	121828	15.274	ug/l	100
67) Ethyl Benzene	11.965	91	180931	11.729	ug/l	99
68) m/p-Xylenes	12.065	106	238093	40.320	ug/l	98
69) o-Xylene	12.400	106	154666	27.347	ug/l	98
73) Isopropylbenzene	12.694	105	60881	4.339	ug/l	99
78) n-propylbenzene	13.035	91	124376	7.294	ug/l	97
80) 1,3,5-Trimethylbenzene	13.170	105	217252	18.755	ug/l	94
84) 1,2,4-Trimethylbenzene	13.482	105	839128	72.240	ug/l	99
85) sec-Butylbenzene	13.617	105	44399	2.883	ug/l	84
86) p-Isopropyltoluene	13.729	119	37948	2.981	ug/l	99
89) n-Butylbenzene	14.053	91	42158	3.419	ug/l #	83
95) Naphthalene	15.635	128	440560	30.475	ug/l	100

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

Quant Time: Jun 11 01:59:47 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

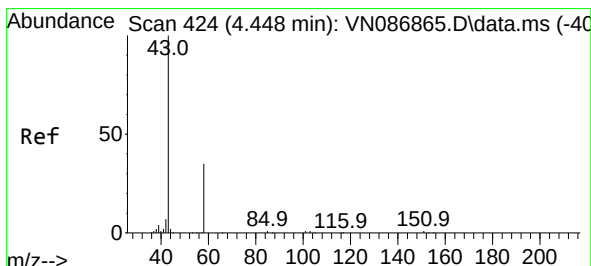
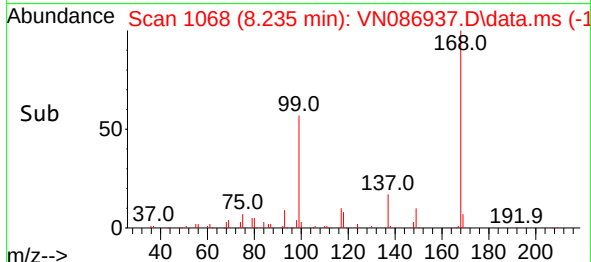
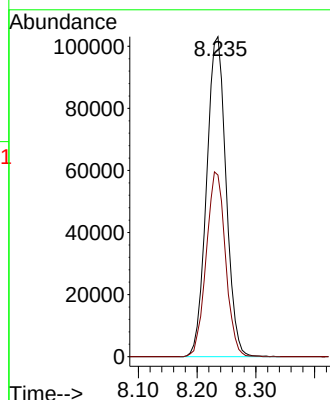
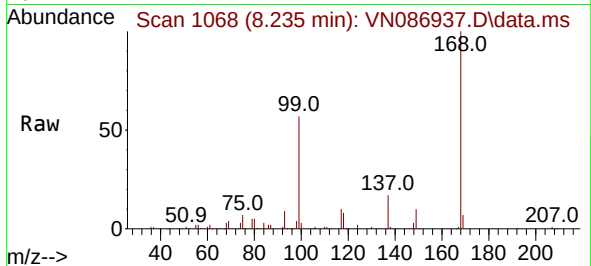




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.235 min Scan# 1068
Delta R.T. -0.001 min
Lab File: VN086937.D
Acq: 10 Jun 2025 18:14

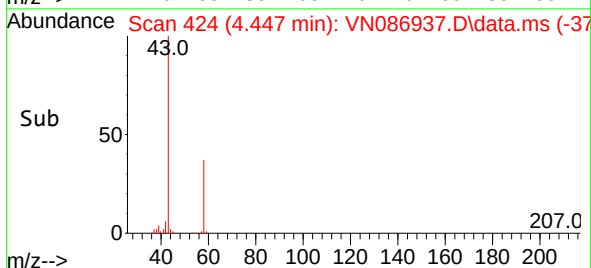
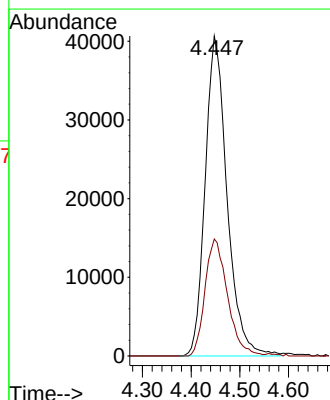
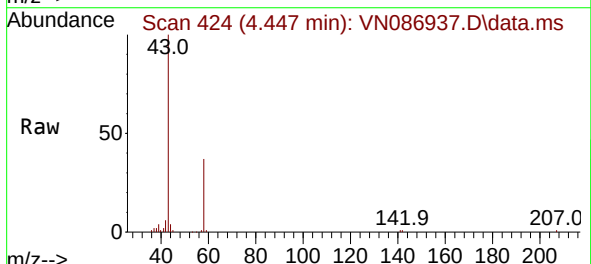
Instrument :
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301-469-5TH-AVE

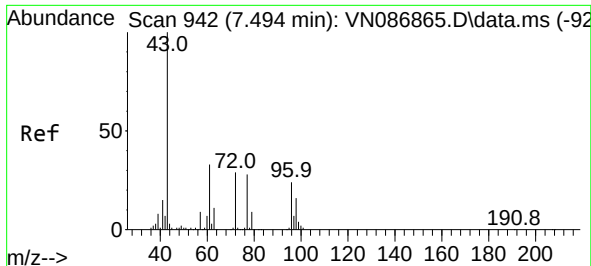
Tgt Ion:168 Resp: 237002
Ion Ratio Lower Upper
168 100
99 56.8 49.1 73.7



#16
Acetone
Concen: 75.431 ug/l
RT: 4.447 min Scan# 424
Delta R.T. -0.000 min
Lab File: VN086937.D
Acq: 10 Jun 2025 18:14

Tgt Ion: 43 Resp: 126933
Ion Ratio Lower Upper
43 100
58 36.5 28.0 42.0

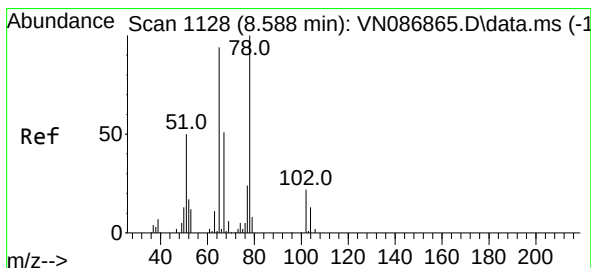
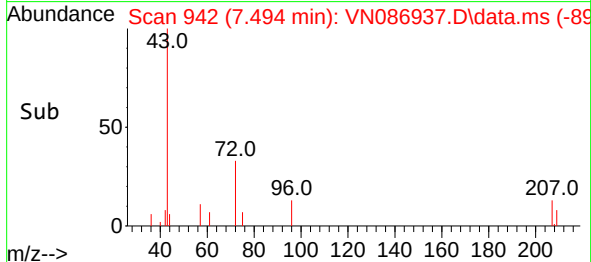
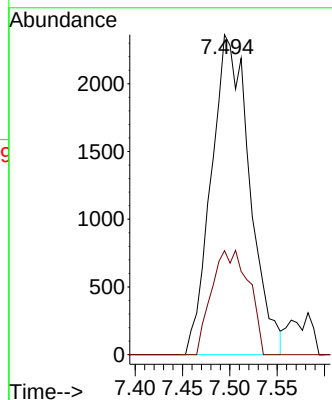
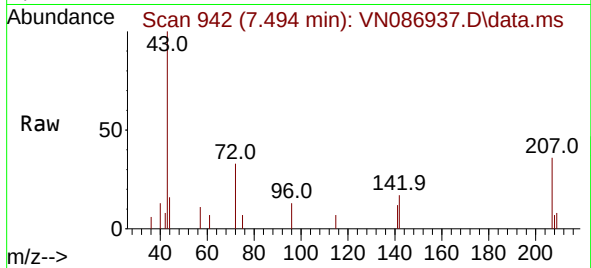




#25
2-Butanone
Concen: 2.432 ug/l
RT: 7.494 min Scan# 94
Delta R.T. -0.000 min
Lab File: VN086937.D
Acq: 10 Jun 2025 18:14

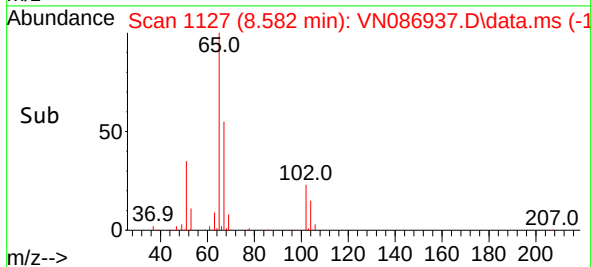
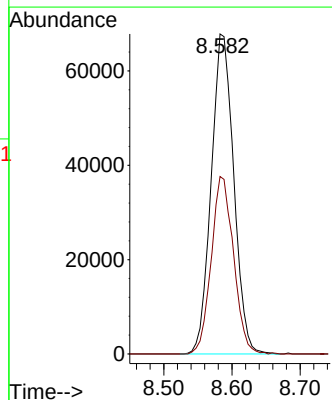
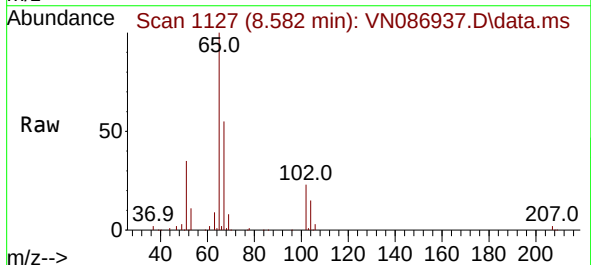
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ClientSampleId :
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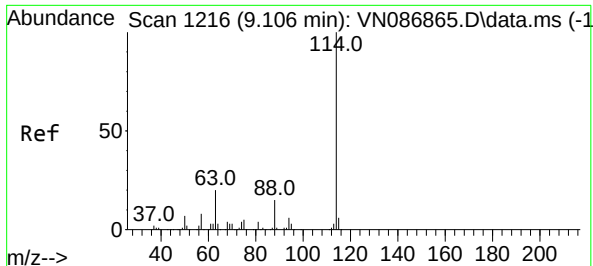
Tgt Ion: 43 Resp: 6652
Ion Ratio Lower Upper
43 100
72 32.5 23.0 34.6



#33
1,2-Dichloroethane-d4
Concen: 49.209 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. -0.006 min
Lab File: VN086937.D
Acq: 10 Jun 2025 18:14

Tgt Ion: 65 Resp: 156149
Ion Ratio Lower Upper
65 100
67 54.8 0.0 105.6

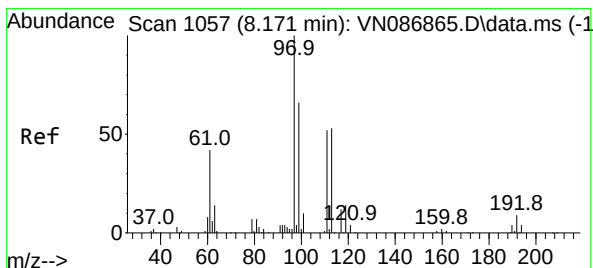
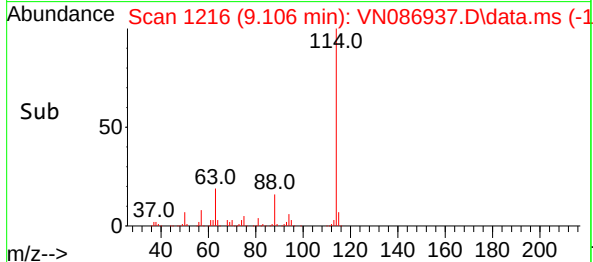
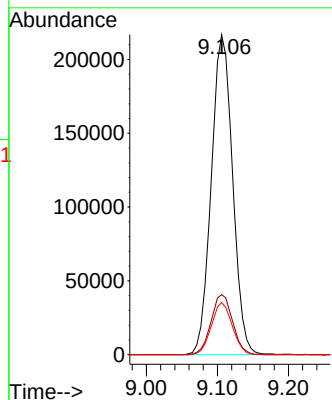
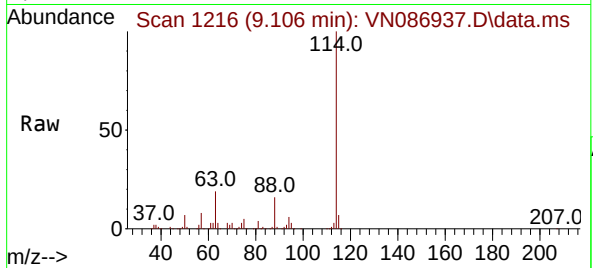




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN086937.D
Acq: 10 Jun 2025 18:14

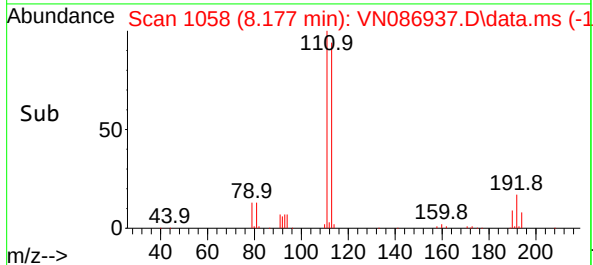
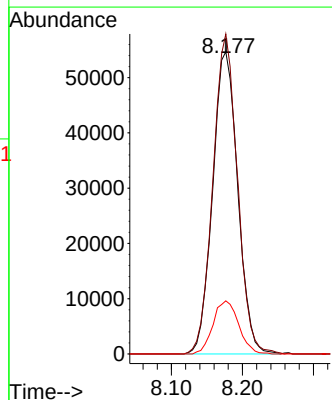
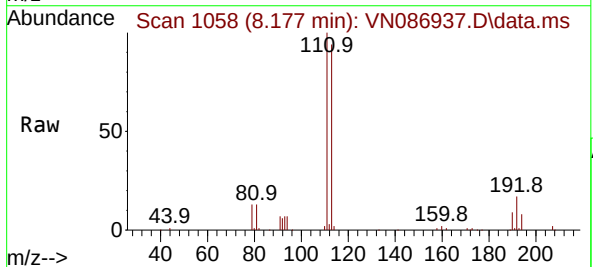
Instrument :
MSVOA_N
ClientSampleId :
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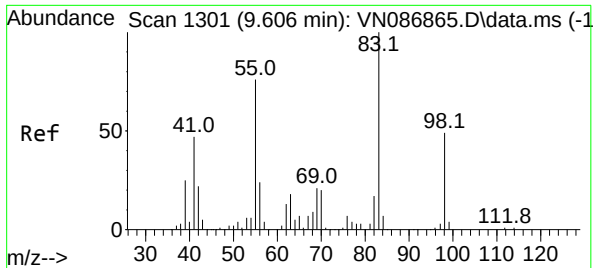
Tgt Ion:114 Resp: 451972
Ion Ratio Lower Upper
114 100
63 18.7 0.0 39.6
88 16.3 0.0 30.2



#35
Dibromofluoromethane
Concen: 50.061 ug/l
RT: 8.177 min Scan# 1058
Delta R.T. 0.006 min
Lab File: VN086937.D
Acq: 10 Jun 2025 18:14

Tgt Ion:113 Resp: 134089
Ion Ratio Lower Upper
113 100
111 103.3 84.2 126.2
192 17.9 14.2 21.4

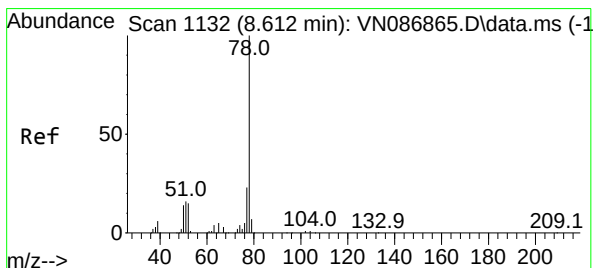
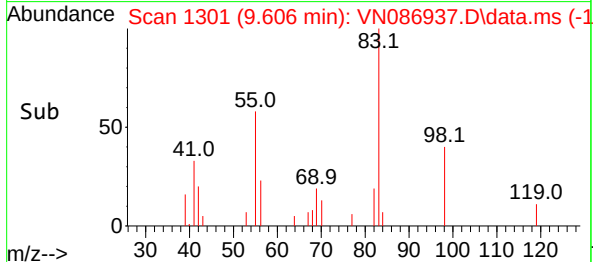
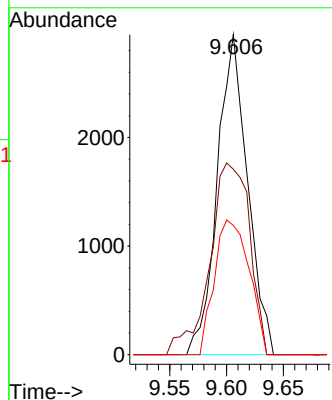
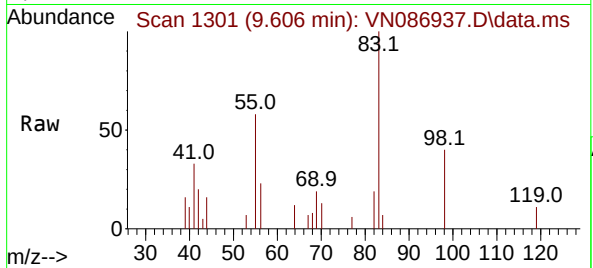




#39
Methylcyclohexane
Concen: 0.999 ug/l
RT: 9.606 min Scan# 1130
Delta R.T. -0.000 min
Lab File: VN086937.D
Acq: 10 Jun 2025 18:14

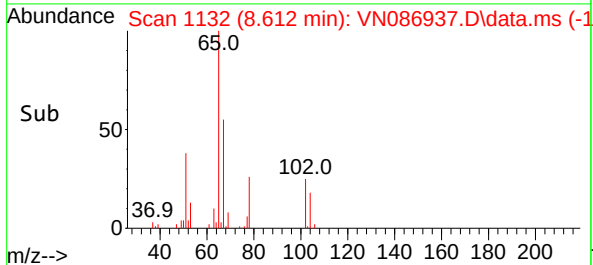
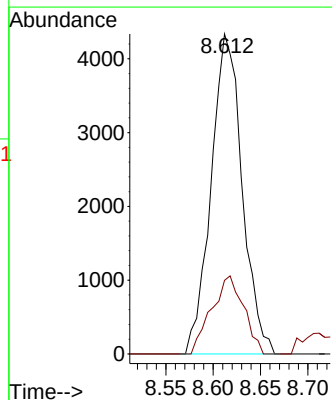
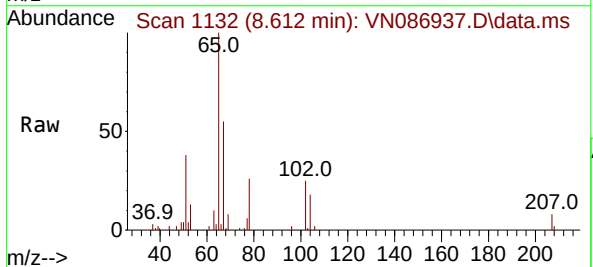
Instrument :
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ClientSampleId :
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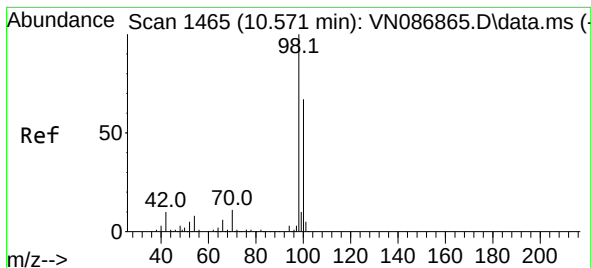
Tgt Ion: 83 Resp: 5461
Ion Ratio Lower Upper
83 100
55 58.0 61.0 91.6#
98 40.4 38.9 58.3



#40
Benzene
Concen: 0.757 ug/l
RT: 8.612 min Scan# 1132
Delta R.T. -0.000 min
Lab File: VN086937.D
Acq: 10 Jun 2025 18:14

Tgt Ion: 78 Resp: 9885
Ion Ratio Lower Upper
78 100
77 23.0 18.7 28.1

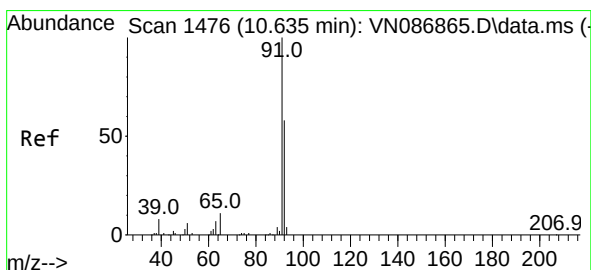
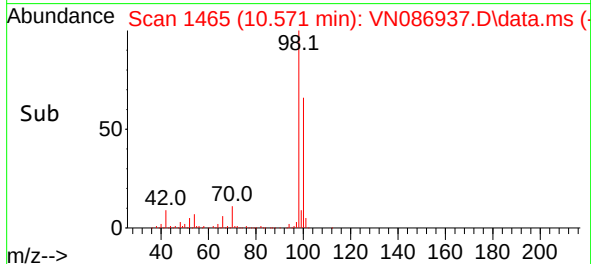
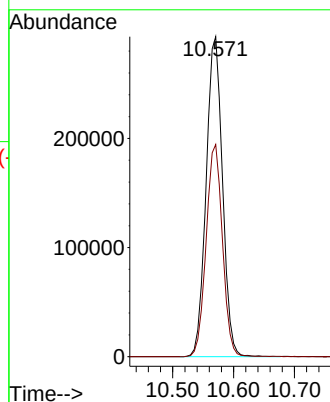
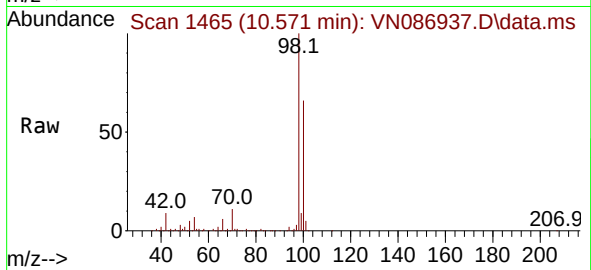




#50
Toluene-d8
Concen: 51.484 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN086937.D
Acq: 10 Jun 2025 18:14

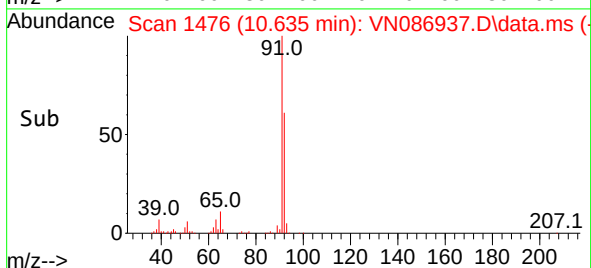
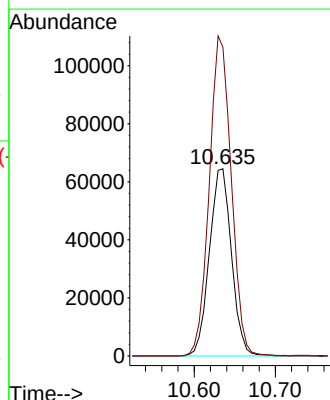
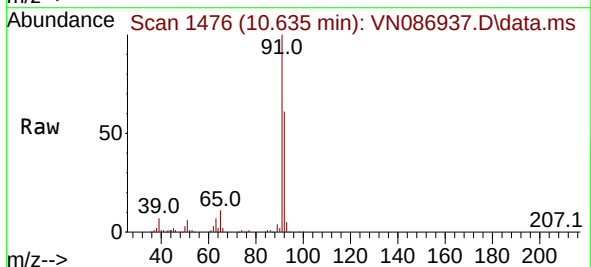
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MSVOA_N
ClientSampleId :
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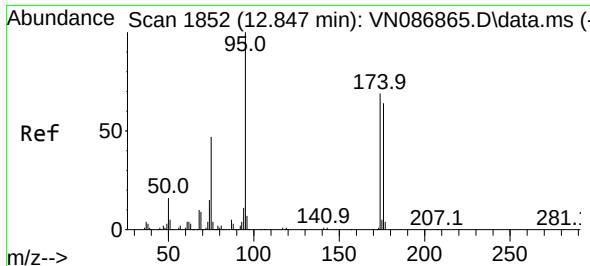
Tgt Ion: 98 Resp: 545912
Ion Ratio Lower Upper
98 100
100 66.1 53.4 80.0



#52
Toluene
Concen: 15.274 ug/l
RT: 10.635 min Scan# 1476
Delta R.T. -0.000 min
Lab File: VN086937.D
Acq: 10 Jun 2025 18:14

Tgt Ion: 92 Resp: 121828
Ion Ratio Lower Upper
92 100
91 170.4 136.5 204.7

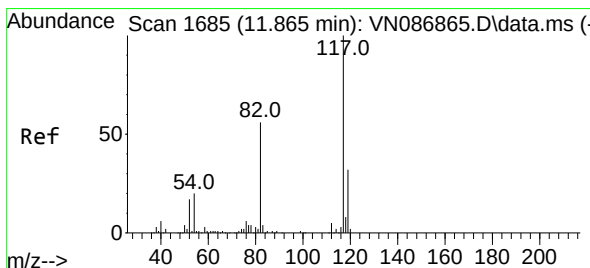
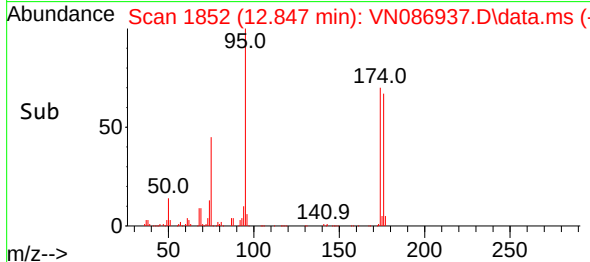
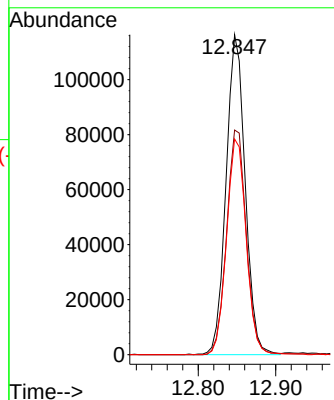
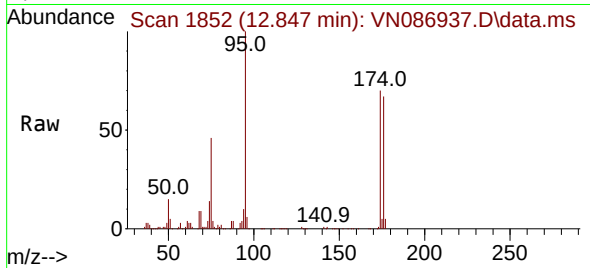




#62
4-Bromofluorobenzene
Concen: 50.611 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086937.D
Acq: 10 Jun 2025 18:14

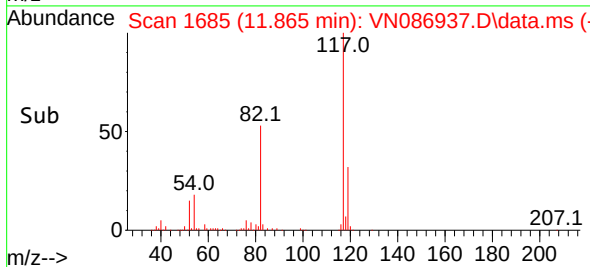
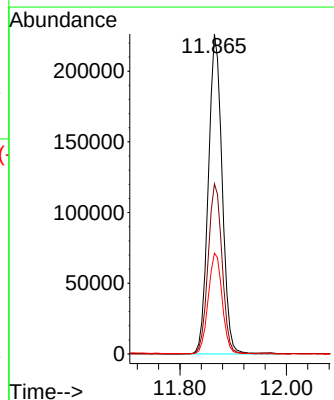
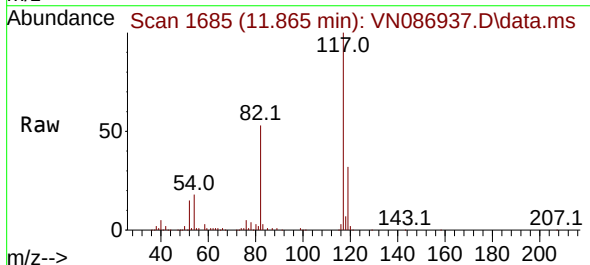
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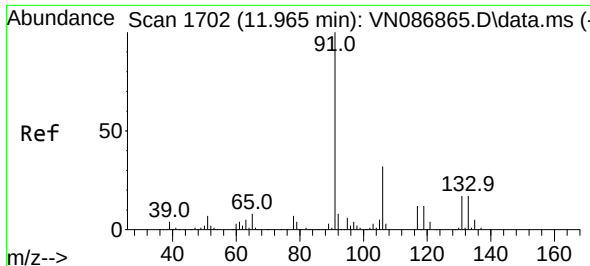
Tgt Ion: 95 Resp: 199382
Ion Ratio Lower Upper
95 100
174 72.6 0.0 141.8
176 69.2 0.0 132.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN086937.D
Acq: 10 Jun 2025 18:14

Tgt Ion: 117 Resp: 406060
Ion Ratio Lower Upper
117 100
82 53.2 44.6 67.0
119 31.5 25.5 38.3

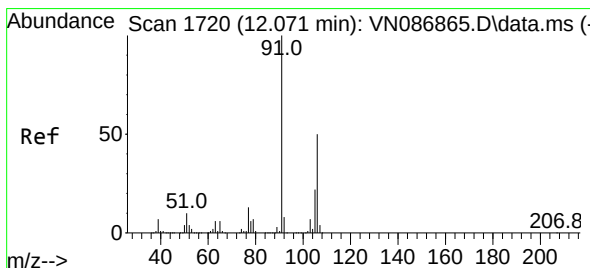
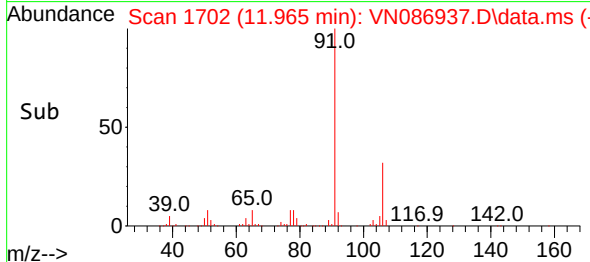
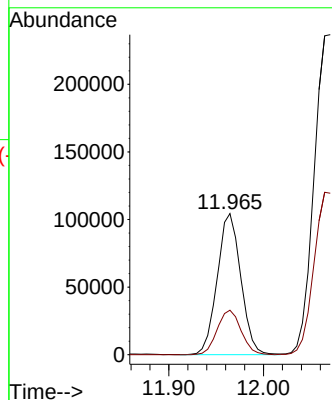
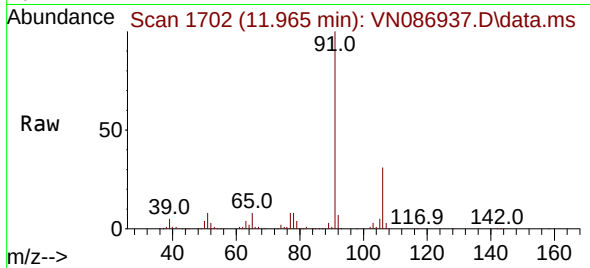




#67
Ethyl Benzene
Concen: 11.729 ug/l
RT: 11.965 min Scan# 1702
Delta R.T. -0.000 min
Lab File: VN086937.D
Acq: 10 Jun 2025 18:14

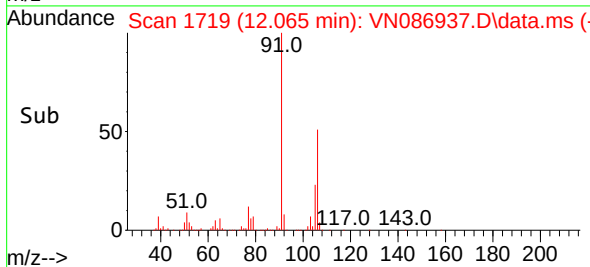
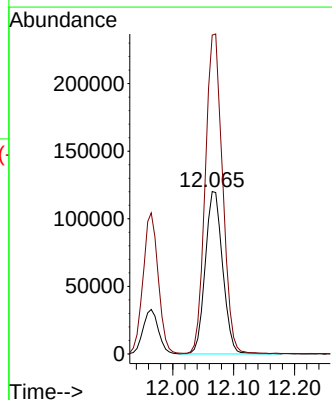
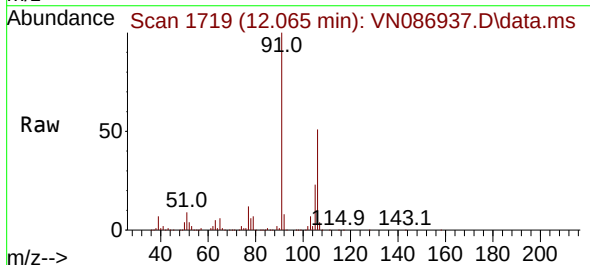
Instrument :
MSVOA_N
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301-469-5TH-AVE

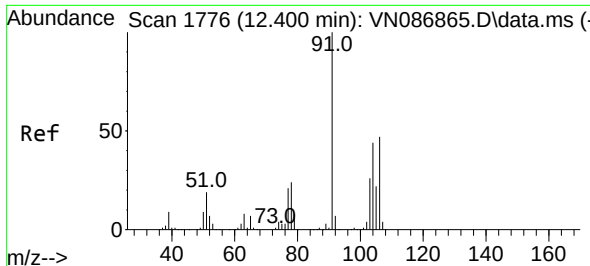
Tgt Ion: 91 Resp: 180931
Ion Ratio Lower Upper
91 100
106 31.5 25.4 38.2



#68
m/p-Xylenes
Concen: 40.320 ug/l
RT: 12.065 min Scan# 1719
Delta R.T. -0.006 min
Lab File: VN086937.D
Acq: 10 Jun 2025 18:14

Tgt Ion:106 Resp: 238093
Ion Ratio Lower Upper
106 100
91 195.7 159.4 239.0

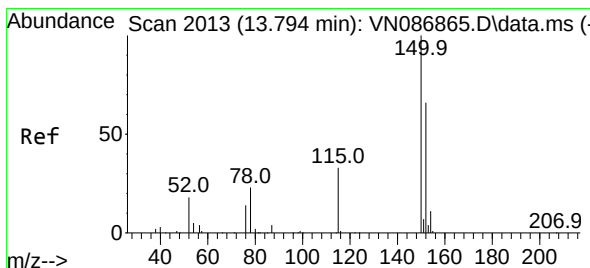
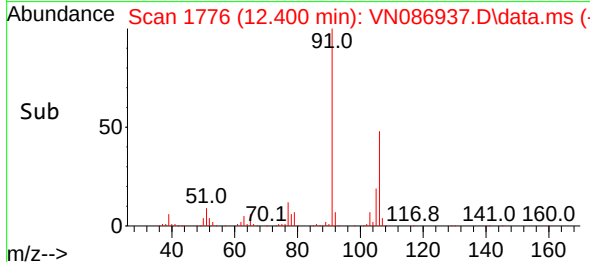
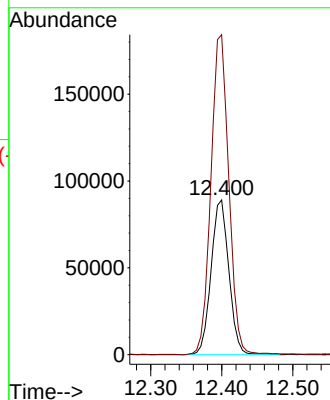
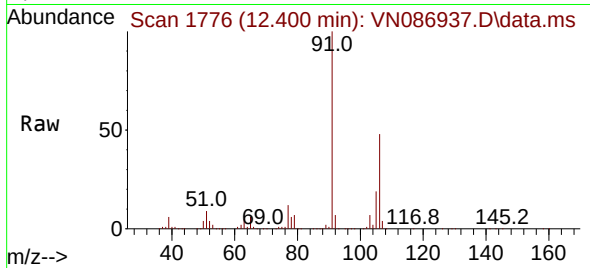




#69
o-Xylene
Concen: 27.347 ug/l
RT: 12.400 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN086937.D
Acq: 10 Jun 2025 18:14

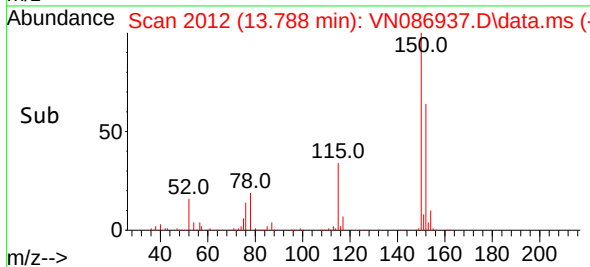
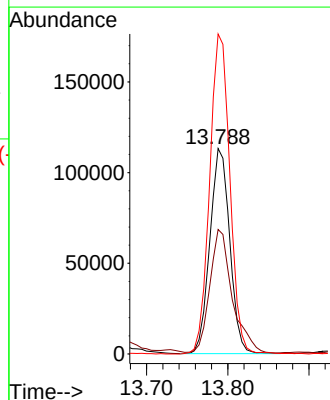
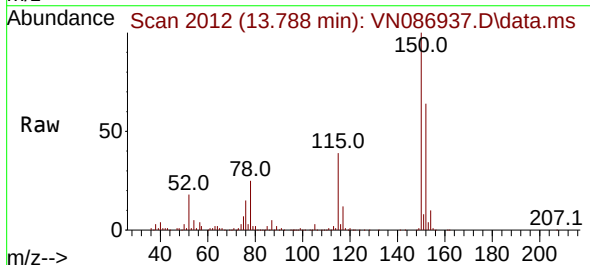
Instrument :
MSVOA_N
ClientSampleId :
301-469-5TH-AVE

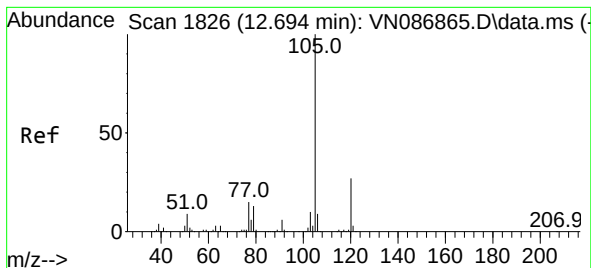
Tgt Ion:106 Resp: 154666
Ion Ratio Lower Upper
106 100
91 209.1 106.1 318.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.006 min
Lab File: VN086937.D
Acq: 10 Jun 2025 18:14

Tgt Ion:152 Resp: 192591
Ion Ratio Lower Upper
152 100
115 67.8 30.1 90.5
150 158.4 0.0 345.0





#73

Isopropylbenzene

Concen: 4.339 ug/l

RT: 12.694 min Scan# 1826

Delta R.T. -0.000 min

Lab File: VN086937.D

Acq: 10 Jun 2025 18:14

Instrument :

MSVOA_N

ClientSampleId :

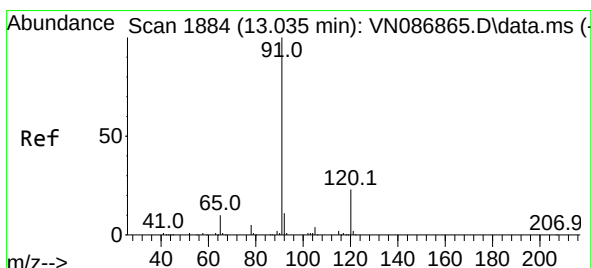
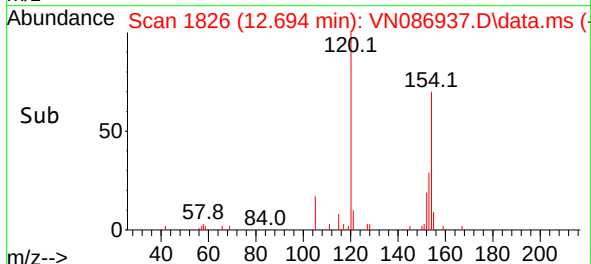
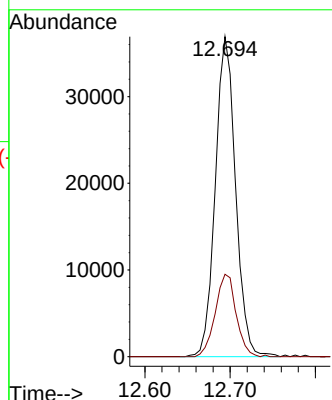
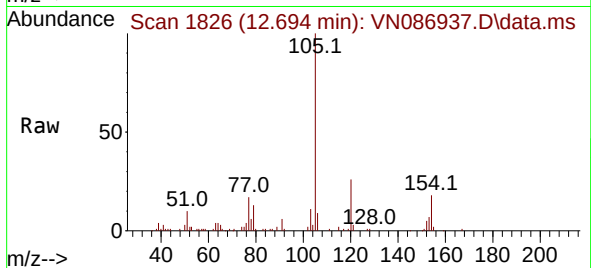
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Tgt Ion:105 Resp: 60881

Ion Ratio Lower Upper

105 100

120 26.6 13.5 40.4



#78

n-propylbenzene

Concen: 7.294 ug/l

RT: 13.035 min Scan# 1884

Delta R.T. -0.000 min

Lab File: VN086937.D

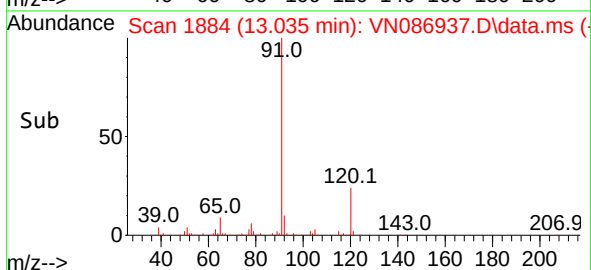
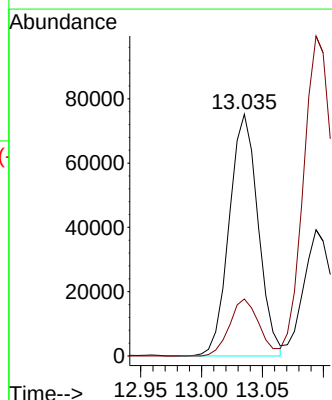
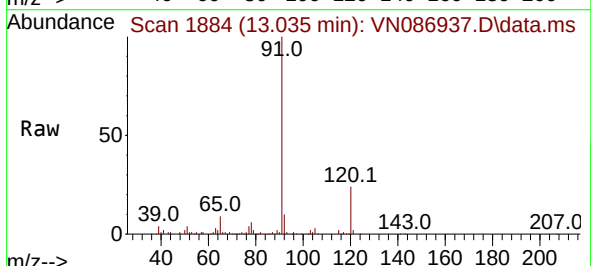
Acq: 10 Jun 2025 18:14

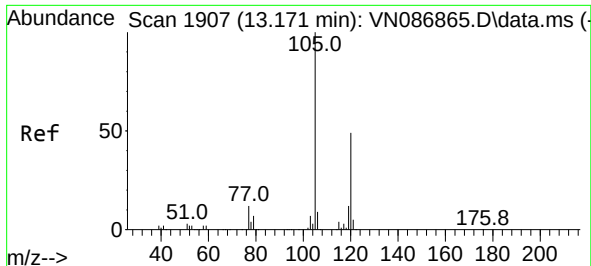
Tgt Ion: 91 Resp: 124376

Ion Ratio Lower Upper

91 100

120 24.3 11.4 34.2

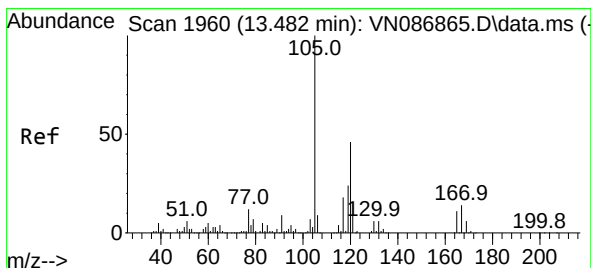
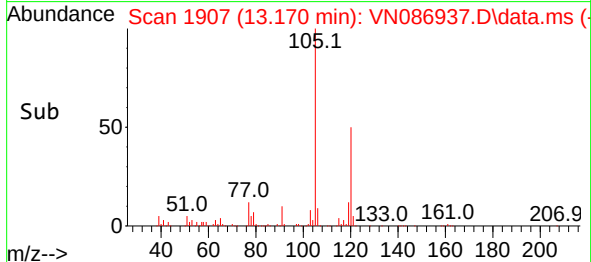
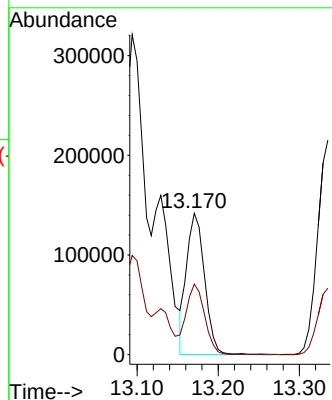
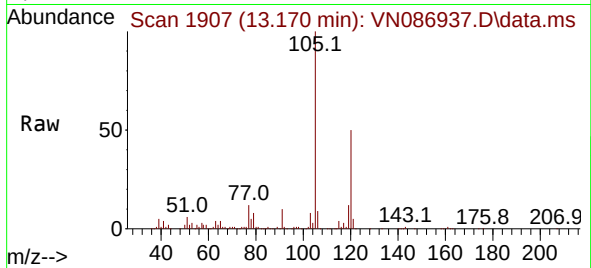




#80
1,3,5-Trimethylbenzene
Concen: 18.755 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VN086937.D
Acq: 10 Jun 2025 18:14

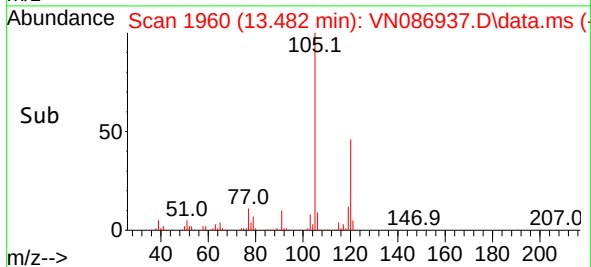
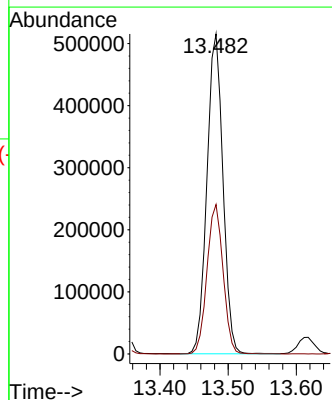
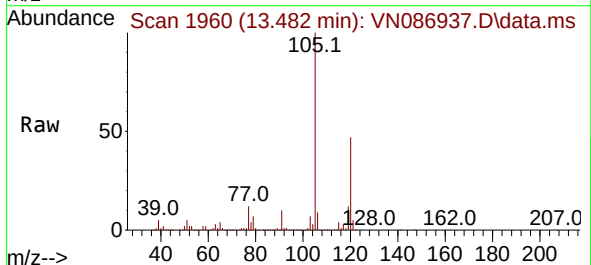
Instrument :
MSVOA_N
ClientSampleId :
301-469-5TH-AVE

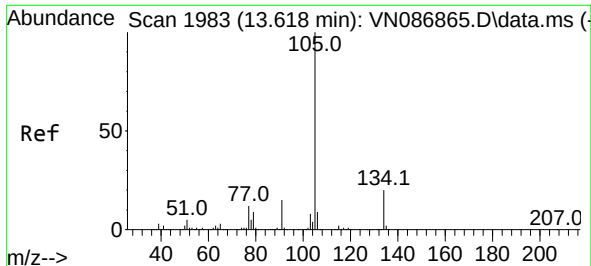
Tgt Ion:105 Resp: 217252
Ion Ratio Lower Upper
105 100
120 53.6 24.9 74.6



#84
1,2,4-Trimethylbenzene
Concen: 72.240 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. -0.000 min
Lab File: VN086937.D
Acq: 10 Jun 2025 18:14

Tgt Ion:105 Resp: 839128
Ion Ratio Lower Upper
105 100
120 47.0 23.2 69.6

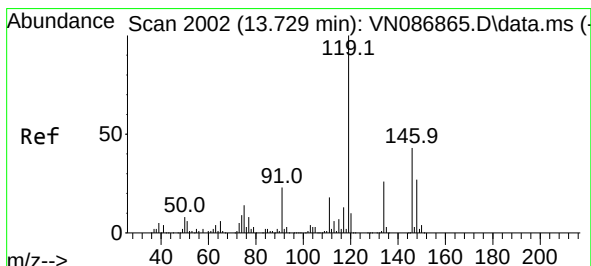
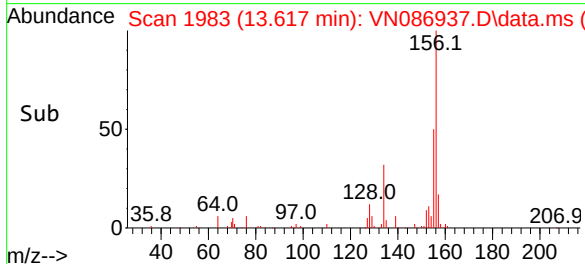
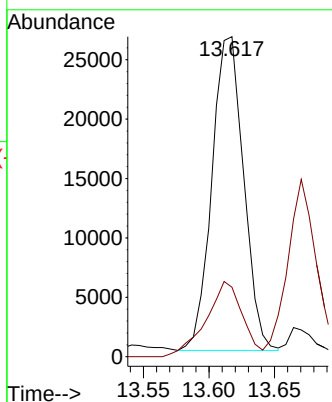
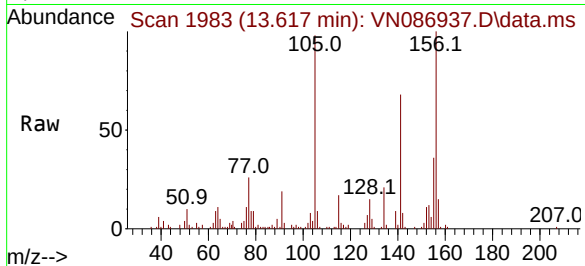




#85
 sec-Butylbenzene
 Concen: 2.883 ug/l
 RT: 13.617 min Scan# 1983
 Delta R.T. -0.000 min
 Lab File: VN086937.D
 Acq: 10 Jun 2025 18:14

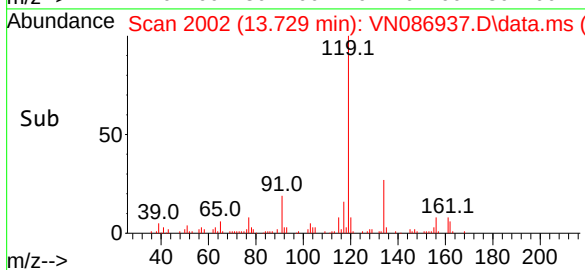
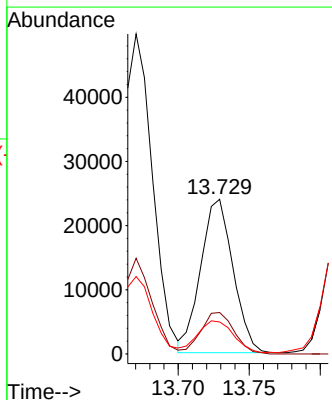
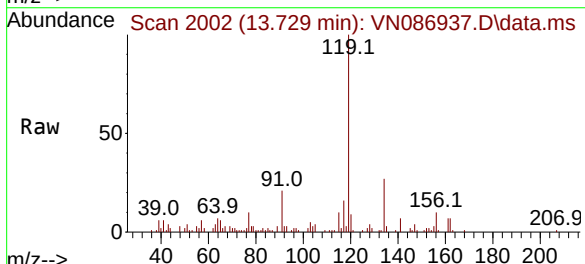
Instrument :
 MSVOA_N
 ClientSampleId :
 301-469-5TH-AVE

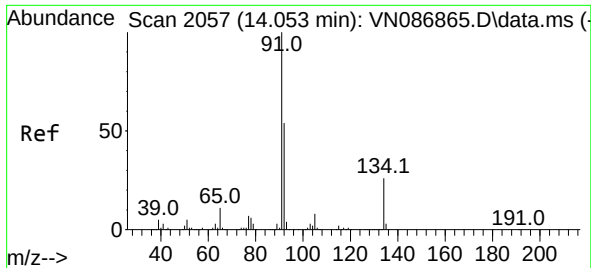
Tgt Ion:105 Resp: 44399
 Ion Ratio Lower Upper
 105 100
 134 27.5 10.0 30.0



#86
 p-Isopropyltoluene
 Concen: 2.981 ug/l
 RT: 13.729 min Scan# 2002
 Delta R.T. -0.000 min
 Lab File: VN086937.D
 Acq: 10 Jun 2025 18:14

Tgt Ion:119 Resp: 37948
 Ion Ratio Lower Upper
 119 100
 134 27.7 13.5 40.4
 91 22.8 11.5 34.4

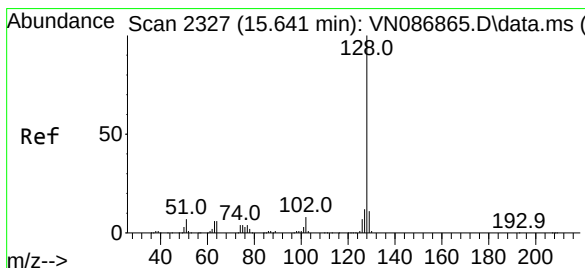
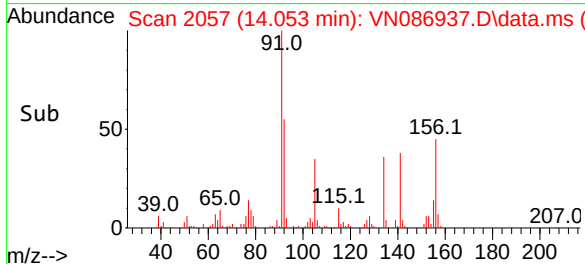
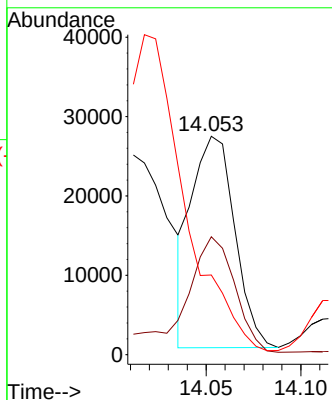
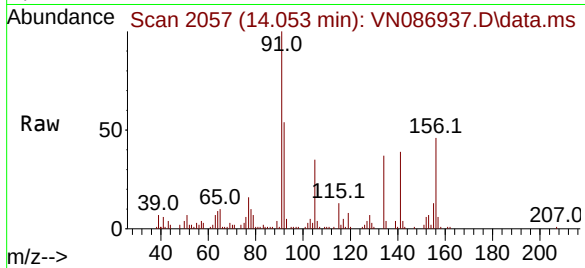




#89
n-Butylbenzene
Concen: 3.419 ug/l
RT: 14.053 min Scan# 2057
Delta R.T. -0.000 min
Lab File: VN086937.D
Acq: 10 Jun 2025 18:14

Instrument :
MSVOA_N
ClientSampleId :
301-469-5TH-AVE

Tgt Ion: 91	Resp: 42158
Ion Ratio	Lower Upper
91 100	
92 55.5	27.5 82.4
134 0.0	13.0 39.0#



#95
Naphthalene
Concen: 30.475 ug/l
RT: 15.635 min Scan# 2326
Delta R.T. -0.006 min
Lab File: VN086937.D
Acq: 10 Jun 2025 18:14

Tgt Ion:128	Resp: 440560		
Ion Ratio	Lower	Upper	
128 100			
127 12.5	10.2	15.2	
129 10.8	8.8	13.2	

