

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032425\
 Data File : VN086073.D
 Acq On : 24 Mar 2025 15:36
 Operator : JC\MD
 Sample : Q1598-01ME 200X
 Misc : 5.03g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ETGI-354ME

Quant Time: Mar 25 01:25:13 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N031825W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 19 03:20:56 2025
 Response via : Initial Calibration

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

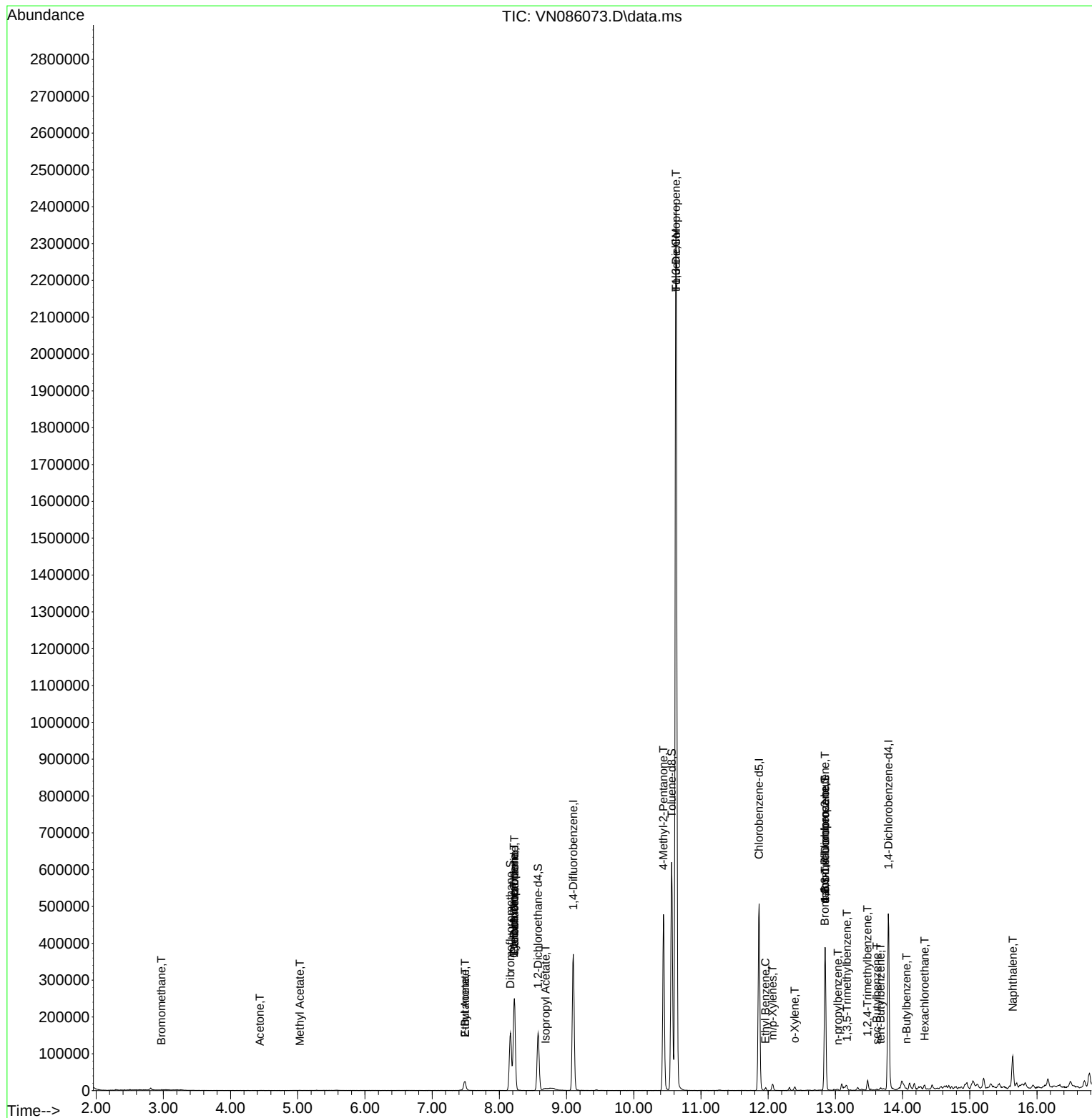
Internal Standards						
1) Pentafluorobenzene	8.224	168	180800	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	325749	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	301252	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	132673	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	129611	52.352	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 104.700%			
35) Dibromofluoromethane	8.165	113	114418	50.323	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.640%			
50) Toluene-d8	10.565	98	444607	53.879	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 107.760%			
62) 4-Bromofluorobenzene	12.847	95	138550	47.080	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 94.160%			
Target Compounds					Qvalue	
5) Bromomethane	2.971	94	339	0.232	ug/l #	68
16) Acetone	4.436	43	306	0.405	ug/l #	38
18) Methyl Acetate	5.030	43	690	0.369	ug/l #	45
25) 2-Butanone	7.488	43	38434	35.215	ug/l	91
31) Cyclohexane	8.218	56	3424	1.110	ug/l #	1
36) 1,1-Dichloropropene	8.218	75	14439	4.823	ug/l #	50
37) Ethyl Acetate	7.488	43	38434	15.217	ug/l #	64
38) Carbon Tetrachloride	8.224	117	19542	4.964	ug/l #	17
43) Isopropyl Acetate	8.688	43	5880	1.074	ug/l #	50
51) 4-Methyl-2-Pentanone	10.441	43	285340	118.212	ug/l	97
52) Toluene	10.629	92	1123494	194.769	ug/l	99
53) t-1,3-Dichloropropene	10.629	75	12737	3.733	ug/l #	1
67) Ethyl Benzene	11.959	91	6052	0.549	ug/l	95
68) m/p-Xylenes	12.065	106	5380	1.241	ug/l	92
69) o-Xylene	12.394	106	2888	0.726	ug/l	92
71) Bromoform	12.841	173	791	0.369	ug/l #	1
76) 1,2,3-Trichloropropane	12.847	75	67467	22.714	ug/l #	1
78) n-propylbenzene	13.035	91	3215	0.313	ug/l	90
80) 1,3,5-Trimethylbenzene	13.170	105	4567	0.597	ug/l	90
81) trans-1,4-Dichloro-2-b...	12.847	75	67467	60.052	ug/l #	16
83) tert-Butylbenzene	13.670	119	1925	0.294	ug/l	77
84) 1,2,4-Trimethylbenzene	13.476	105	15194	1.969	ug/l	95
85) sec-Butylbenzene	13.617	105	1737	0.204	ug/l #	76
89) n-Butylbenzene	14.059	91	2135	0.363	ug/l #	77
90) Hexachloroethane	14.329	117	826	0.496	ug/l #	10
95) Naphthalene	15.641	128	85927	13.037	ug/l	99

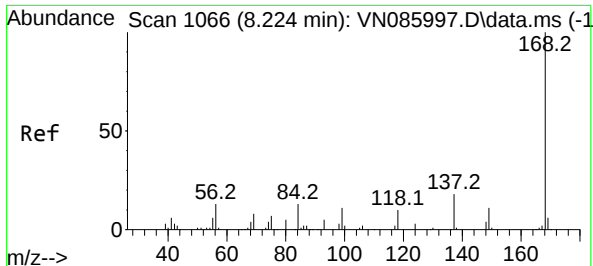
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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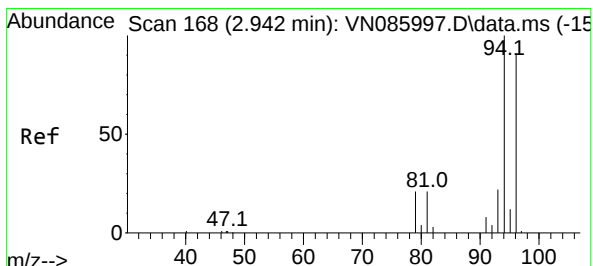
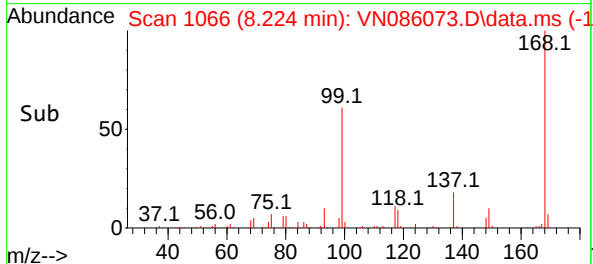
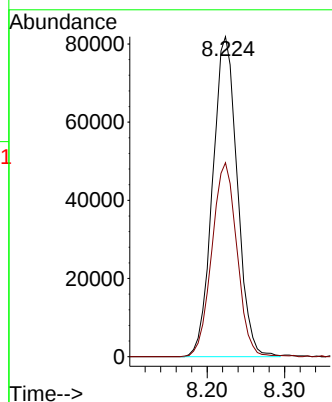
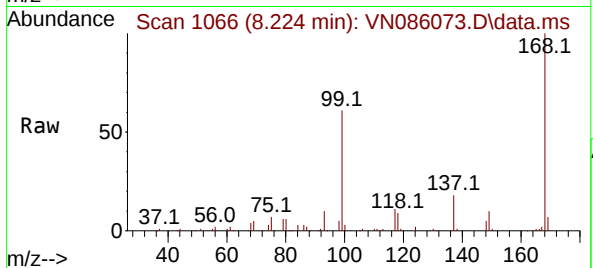




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN086073.D
Acq: 24 Mar 2025 15:36

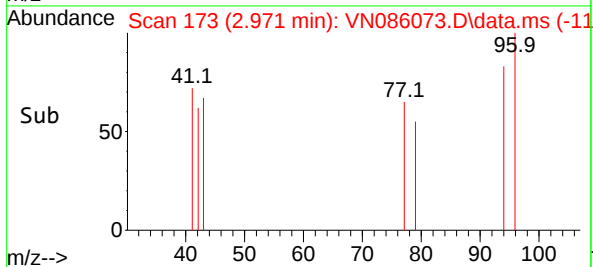
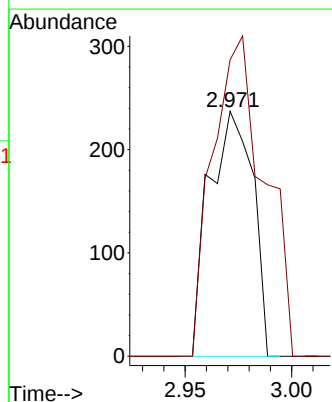
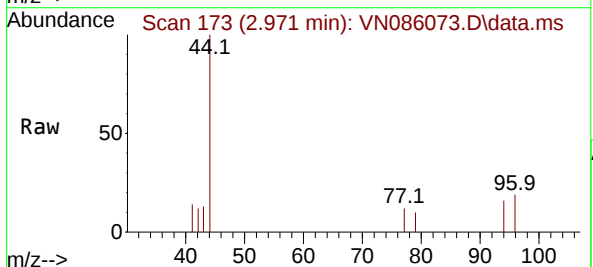
Instrument :
MSVOA_N
ClientSampleId :
ETGI-354ME

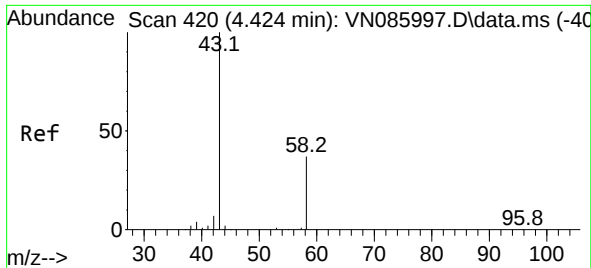
Tgt Ion:168 Resp: 180800
Ion Ratio Lower Upper
168 100
99 60.6 49.4 74.2



#5
Bromomethane
Concen: 0.232 ug/l
RT: 2.971 min Scan# 173
Delta R.T. 0.029 min
Lab File: VN086073.D
Acq: 24 Mar 2025 15:36

Tgt Ion: 94 Resp: 339
Ion Ratio Lower Upper
94 100
96 121.1 72.8 109.2#





#16

Acetone

Concen: 0.405 ug/l

RT: 4.436 min Scan# 41

Delta R.T. 0.012 min

Lab File: VN086073.D

Acq: 24 Mar 2025 15:36

Instrument :

MSVOA_N

ClientSampleId :

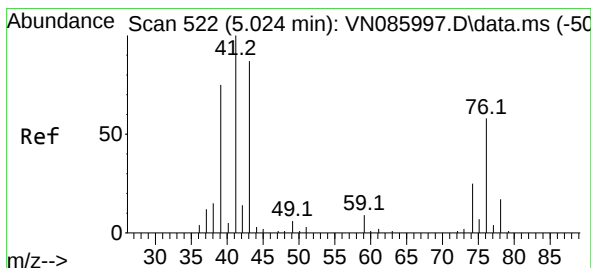
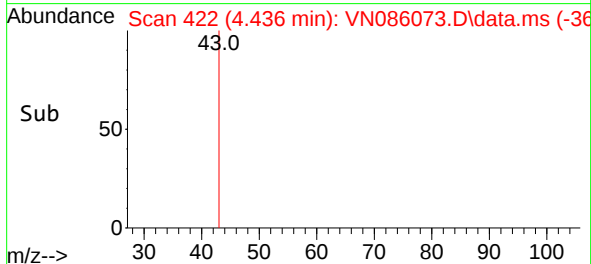
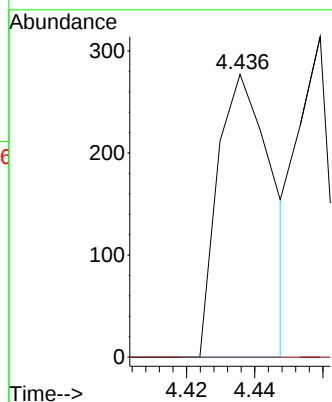
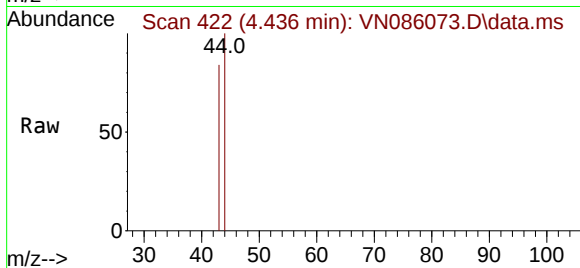
ETGI-354ME

Tgt Ion: 43 Resp: 306

Ion Ratio Lower Upper

43 100

58 0.0 29.4 44.2#



#18

Methyl Acetate

Concen: 0.369 ug/l

RT: 5.030 min Scan# 523

Delta R.T. 0.006 min

Lab File: VN086073.D

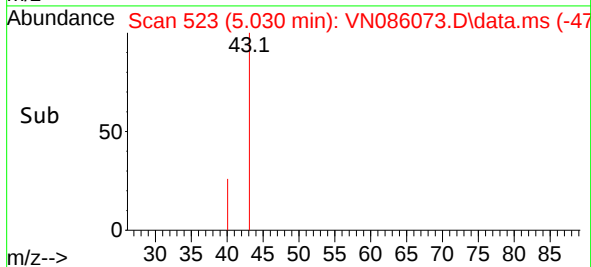
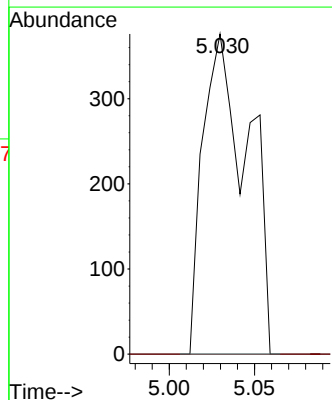
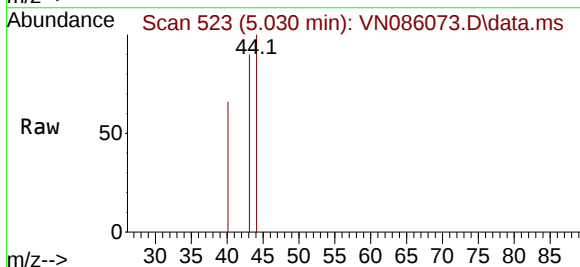
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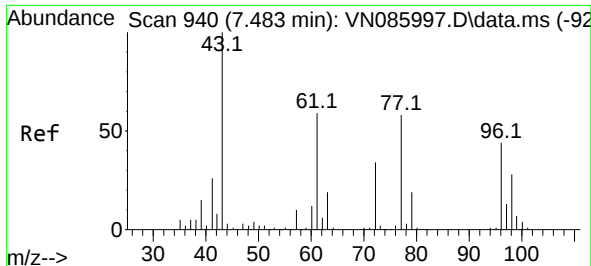
Tgt Ion: 43 Resp: 690

Ion Ratio Lower Upper

43 100

74 0.0 23.9 35.9#

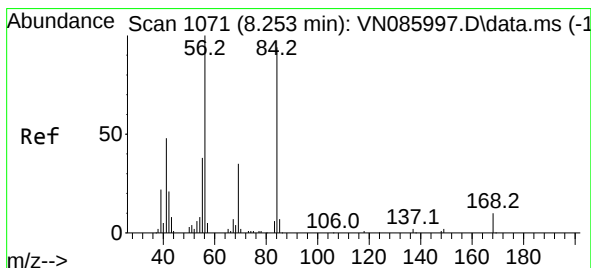
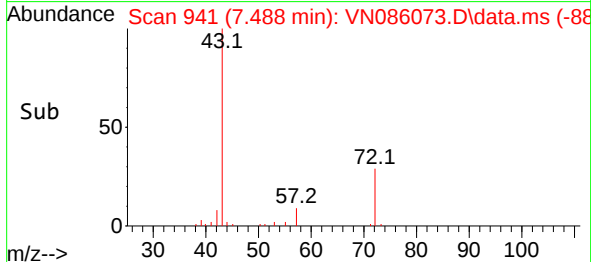
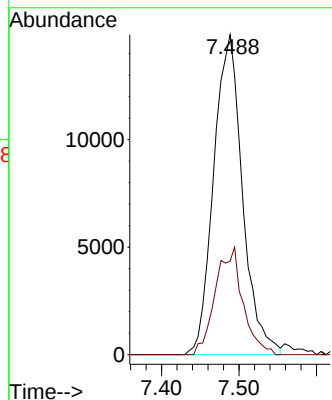
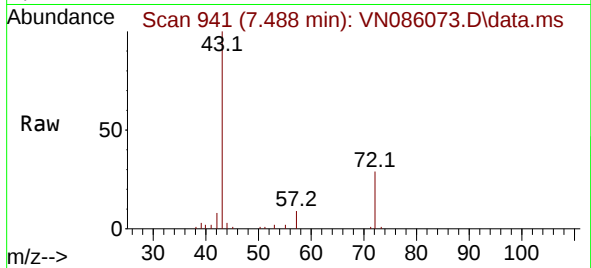




#25
2-Butanone
Concen: 35.215 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN086073.D
Acq: 24 Mar 2025 15:36

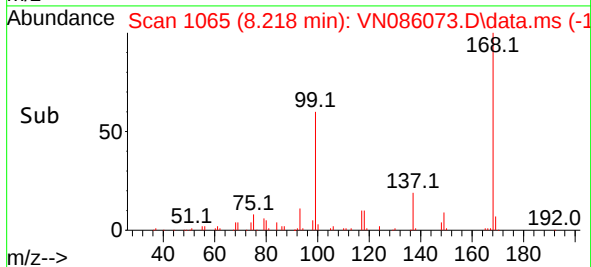
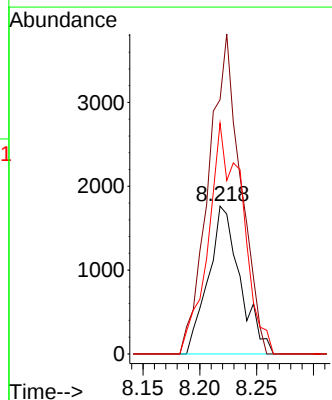
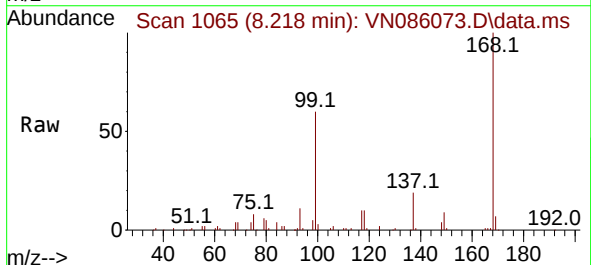
Instrument :
MSVOA_N
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ETGI-354ME

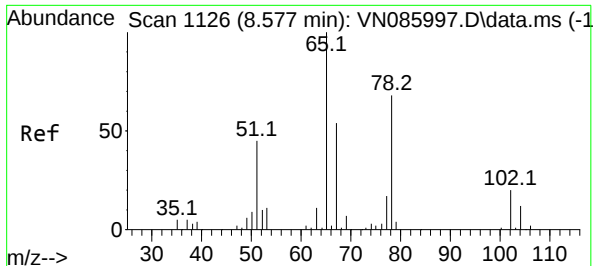
Tgt Ion: 43 Resp: 38434
Ion Ratio Lower Upper
43 100
72 29.2 27.4 41.0



#31
Cyclohexane
Concen: 1.110 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.036 min
Lab File: VN086073.D
Acq: 24 Mar 2025 15:36

Tgt Ion: 56 Resp: 3424
Ion Ratio Lower Upper
56 100
69 171.9 28.0 42.0#
84 156.0 75.0 112.6#





#33

1,2-Dichloroethane-d4

Concen: 52.352 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VN086073.D

Acq: 24 Mar 2025 15:36

Instrument :

MSVOA_N

ClientSampleId :

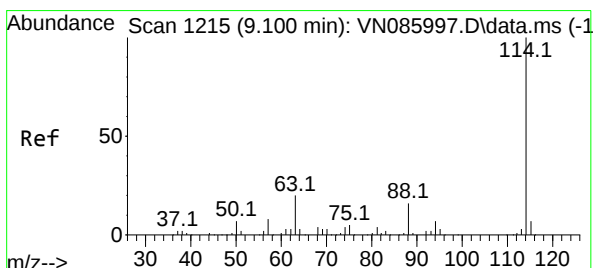
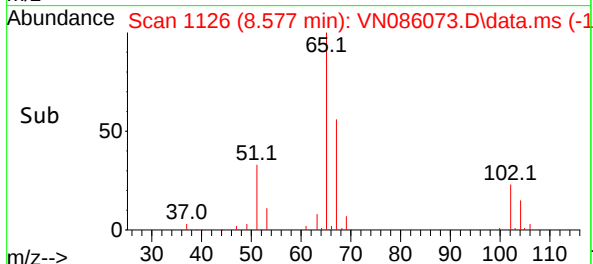
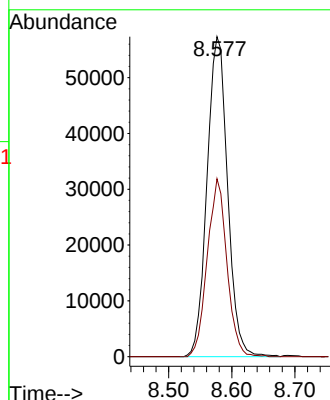
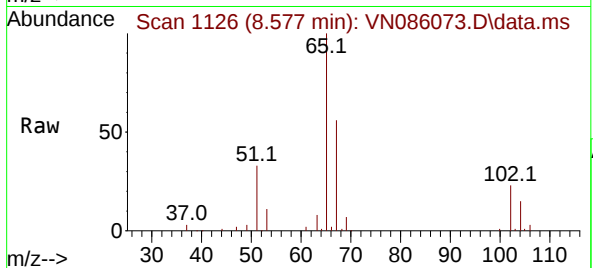
ETGI-354ME

Tgt Ion: 65 Resp: 129611

Ion Ratio Lower Upper

65 100

67 53.0 0.0 102.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. -0.000 min

Lab File: VN086073.D

Acq: 24 Mar 2025 15:36

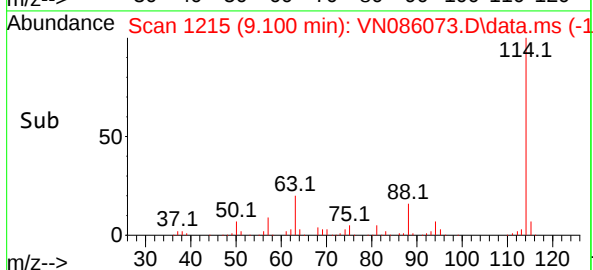
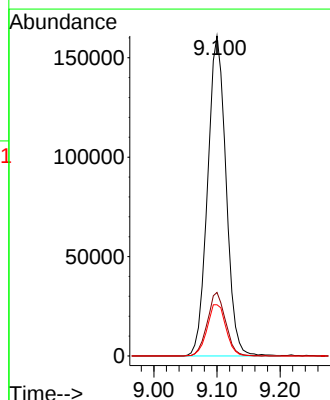
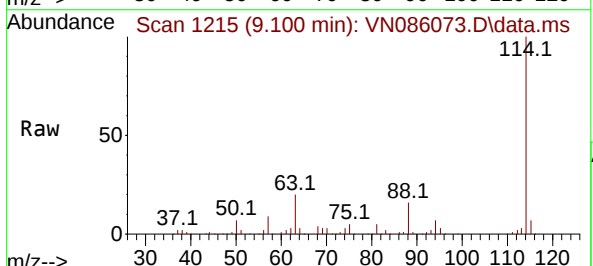
Tgt Ion: 114 Resp: 325749

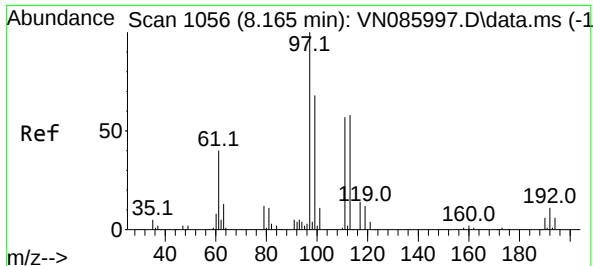
Ion Ratio Lower Upper

114 100

63 19.8 0.0 39.6

88 16.0 0.0 32.6





#35

Dibromofluoromethane

Concen: 50.323 ug/l

RT: 8.165 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN086073.D

Acq: 24 Mar 2025 15:36

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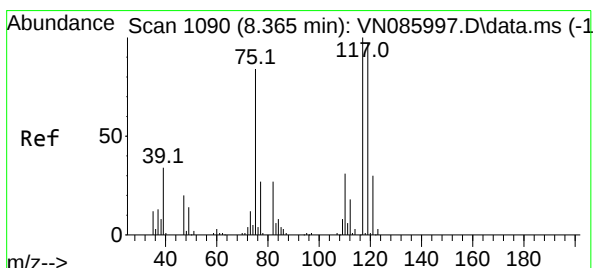
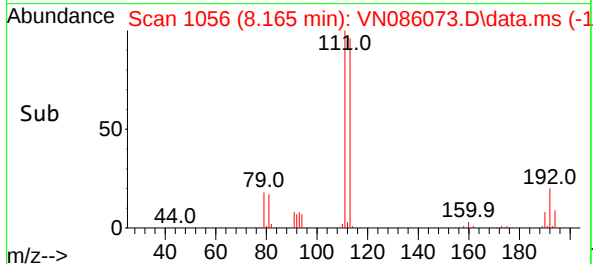
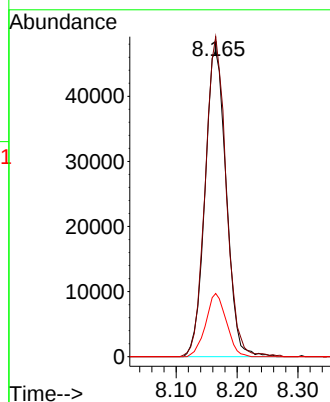
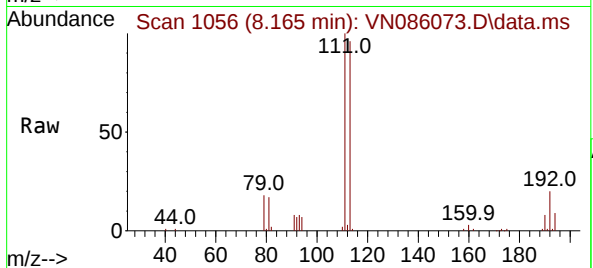
Tgt Ion:113 Resp: 114418

Ion Ratio Lower Upper

113 100

111 102.7 81.8 122.8

192 20.0 15.9 23.9



#36

1,1-Dichloropropene

Concen: 4.823 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.147 min

Lab File: VN086073.D

Acq: 24 Mar 2025 15:36

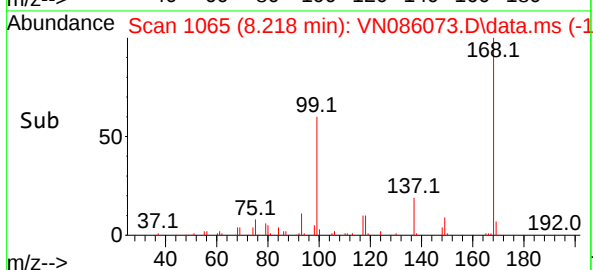
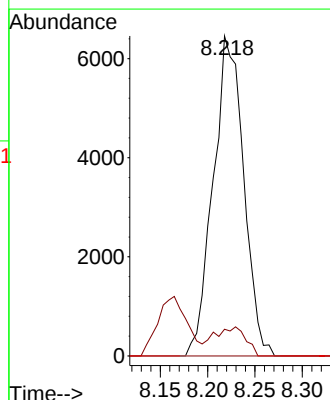
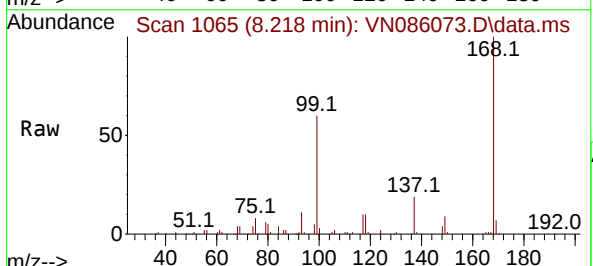
Tgt Ion: 75 Resp: 14439

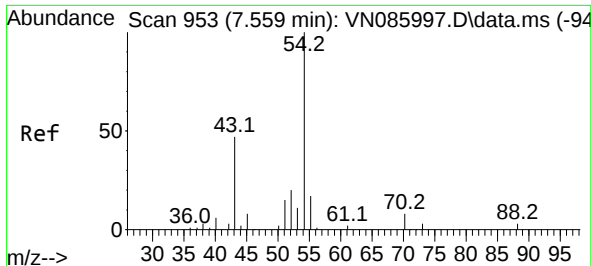
Ion Ratio Lower Upper

75 100

110 9.4 17.8 53.3#

77 0.0 25.0 37.4#

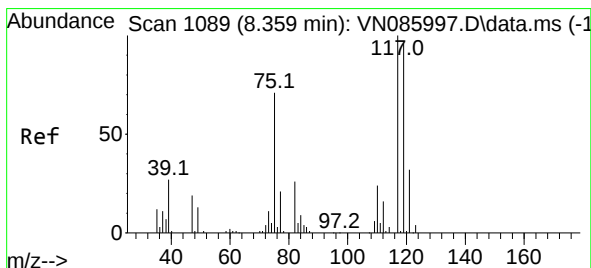
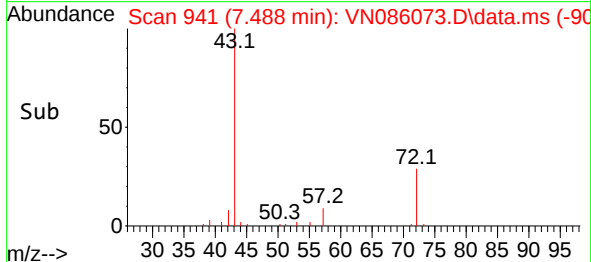
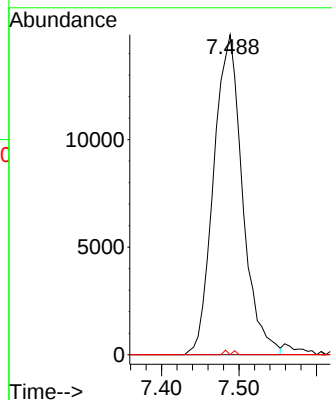
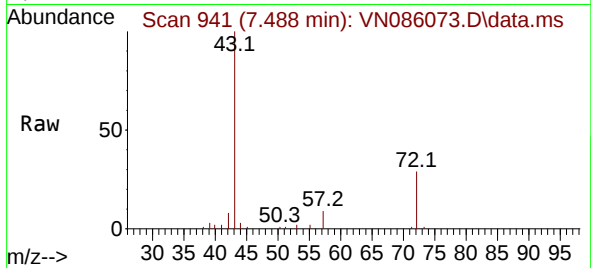




#37
Ethyl Acetate
Concen: 15.217 ug/l
RT: 7.488 min Scan# 941
Delta R.T. -0.071 min
Lab File: VN086073.D
Acq: 24 Mar 2025 15:36

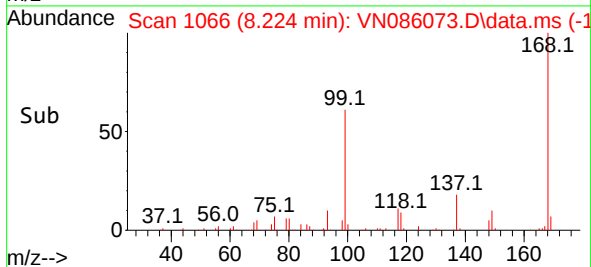
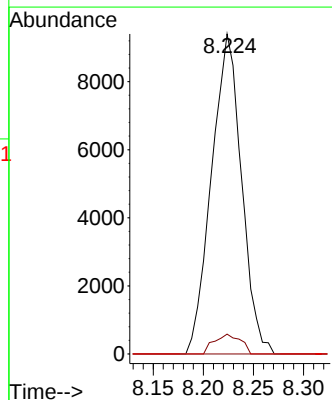
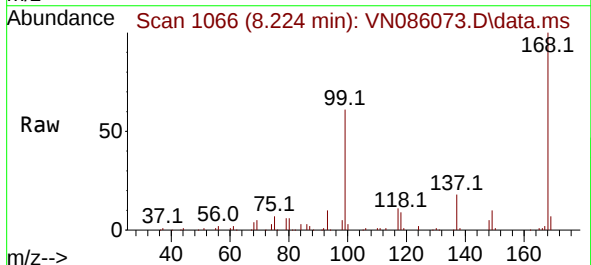
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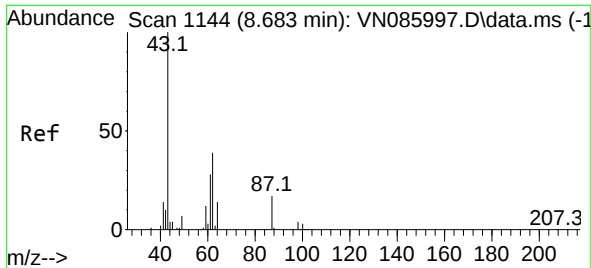
Tgt Ion: 43 Resp: 38434
Ion Ratio Lower Upper
43 100
61 0.0 13.0 19.4#
70 0.4 11.0 16.6#



#38
Carbon Tetrachloride
Concen: 4.964 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.135 min
Lab File: VN086073.D
Acq: 24 Mar 2025 15:36

Tgt Ion: 117 Resp: 19542
Ion Ratio Lower Upper
117 100
119 6.2 77.0 115.4#
121 0.0 25.6 38.4#

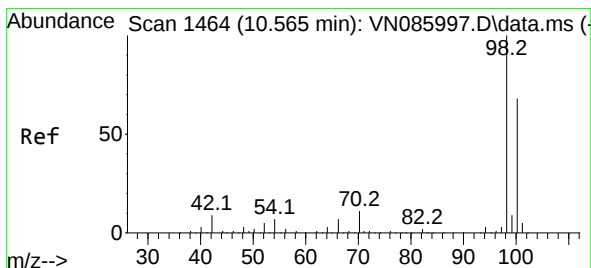
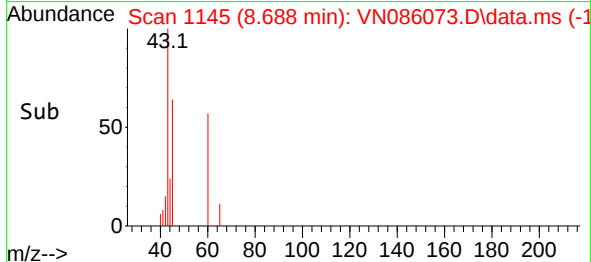
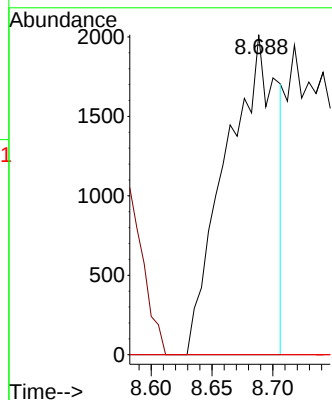
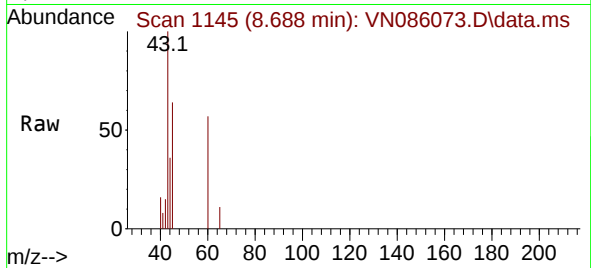




#43
Isopropyl Acetate
Concen: 1.074 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.006 min
Lab File: VN086073.D
Acq: 24 Mar 2025 15:36

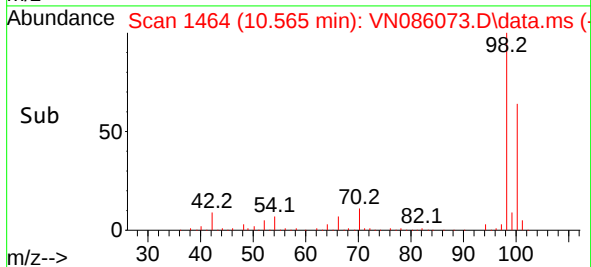
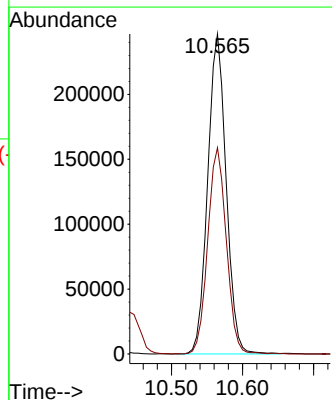
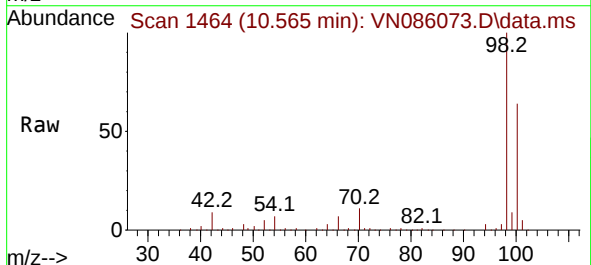
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ClientSampleId :
ETGI-354ME

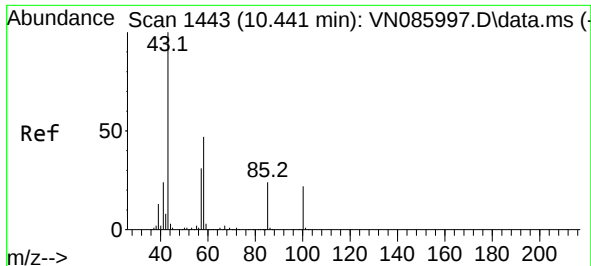
Tgt Ion: 43 Resp: 5880
Ion Ratio Lower Upper
43 100
61 0.0 25.0 37.6#
87 0.0 13.0 19.4#



#50
Toluene-d8
Concen: 53.879 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN086073.D
Acq: 24 Mar 2025 15:36

Tgt Ion: 98 Resp: 444607
Ion Ratio Lower Upper
98 100
100 65.1 53.1 79.7

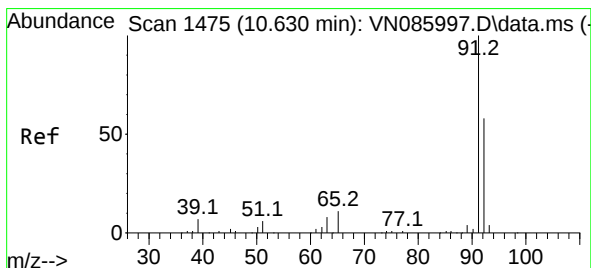
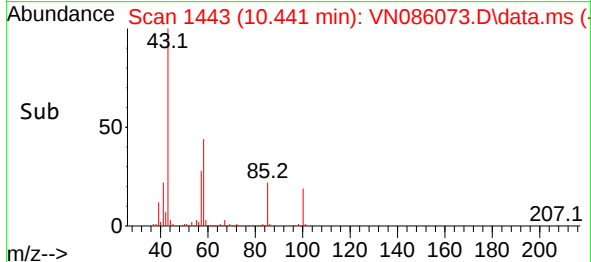
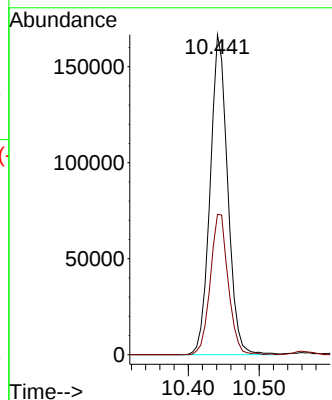
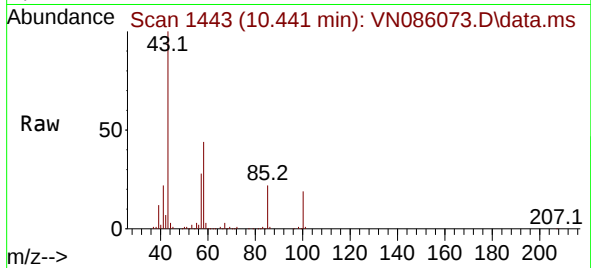




#51
4-Methyl-2-Pentanone
Concen: 118.212 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. -0.000 min
Lab File: VN086073.D
Acq: 24 Mar 2025 15:36

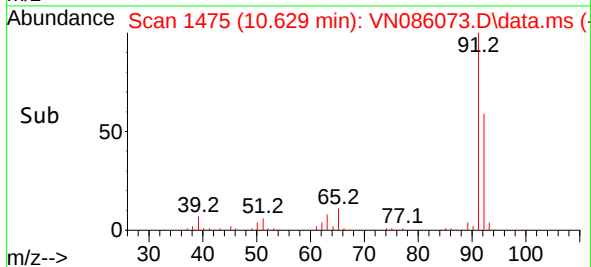
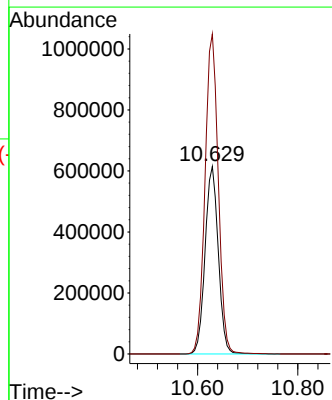
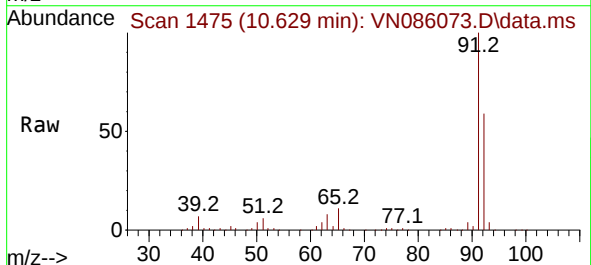
Instrument :
MSVOA_N
ClientSampleId :
ETGI-354ME

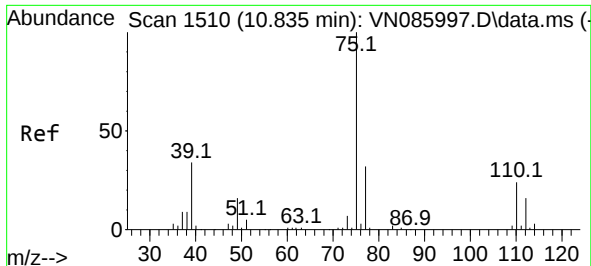
Tgt Ion: 43 Resp: 285340
Ion Ratio Lower Upper
43 100
58 44.8 37.4 56.0



#52
Toluene
Concen: 194.769 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VN086073.D
Acq: 24 Mar 2025 15:36

Tgt Ion: 92 Resp: 1123494
Ion Ratio Lower Upper
92 100
91 171.3 136.2 204.4

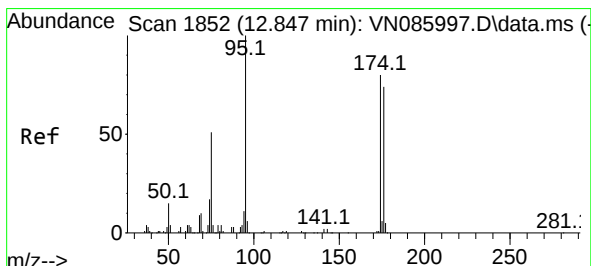
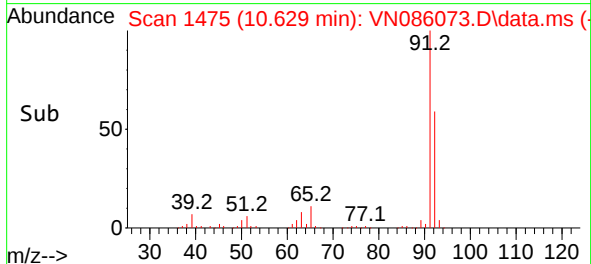
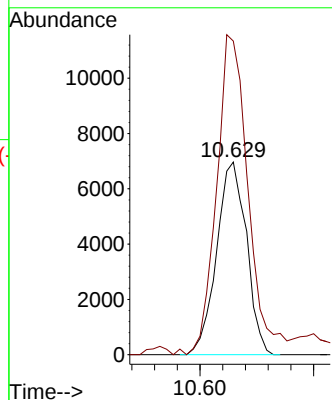
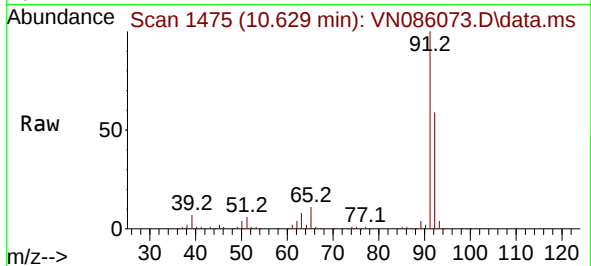




#53
t-1,3-Dichloropropene
Concen: 3.733 ug/l
RT: 10.629 min Scan# 14
Delta R.T. -0.206 min
Lab File: VN086073.D
Acq: 24 Mar 2025 15:36

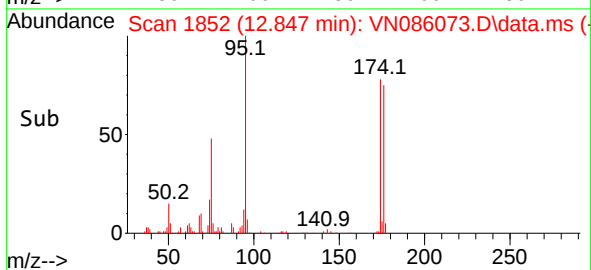
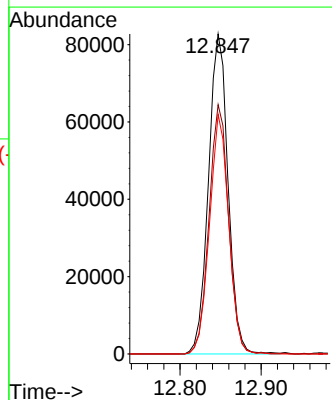
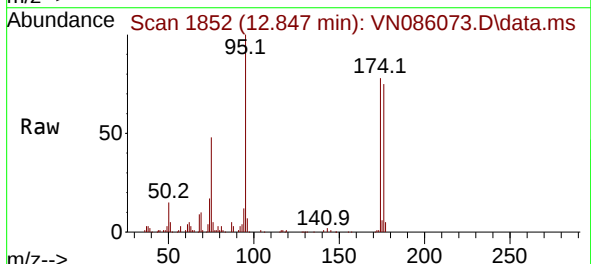
Instrument :
MSVOA_N
ClientSampleId :
ETGI-354ME

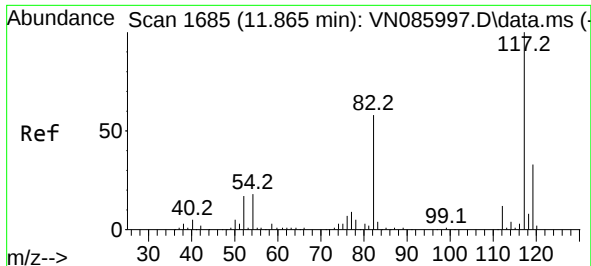
Tgt Ion: 75 Resp: 12737
Ion Ratio Lower Upper
75 100
77 159.9 25.3 37.9#



#62
4-Bromofluorobenzene
Concen: 47.080 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086073.D
Acq: 24 Mar 2025 15:36

Tgt Ion: 95 Resp: 138550
Ion Ratio Lower Upper
95 100
174 77.7 0.0 156.8
176 73.5 0.0 152.2

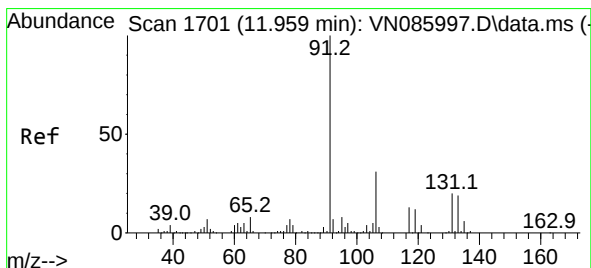
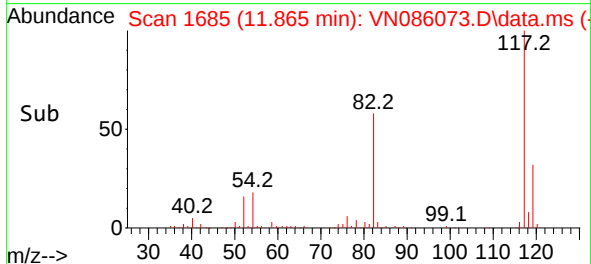
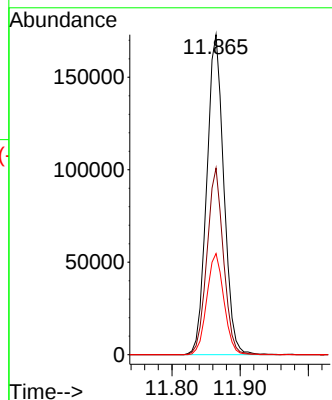
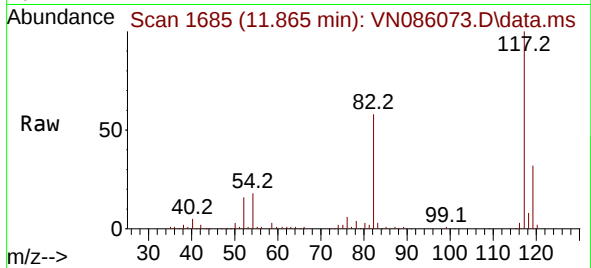




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN086073.D
Acq: 24 Mar 2025 15:36

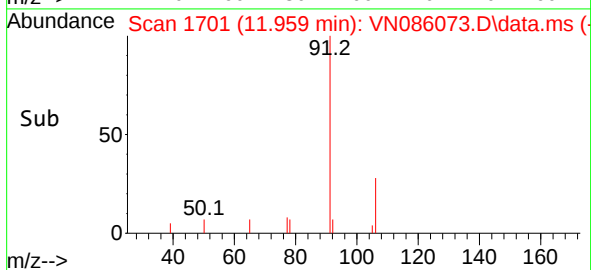
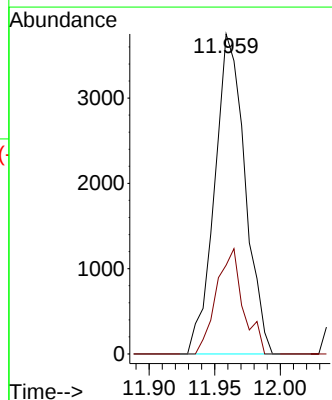
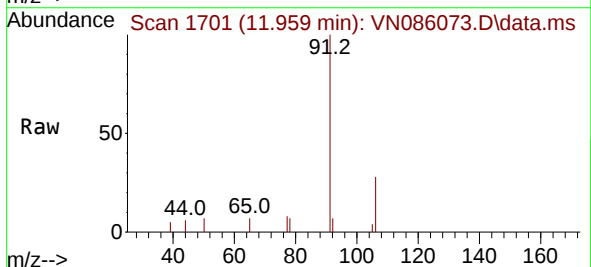
Instrument :
MSVOA_N
ClientSampleId :
ETGI-354ME

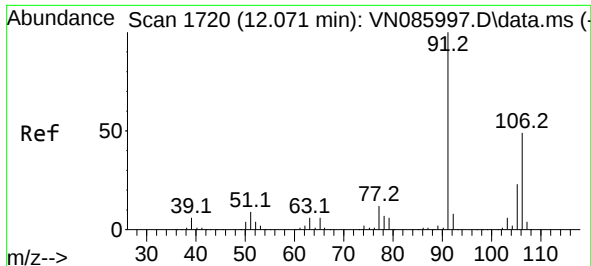
Tgt Ion:117 Resp: 301252
Ion Ratio Lower Upper
117 100
82 58.3 46.7 70.1
119 31.6 26.5 39.7



#67
Ethyl Benzene
Concen: 0.549 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VN086073.D
Acq: 24 Mar 2025 15:36

Tgt Ion: 91 Resp: 6052
Ion Ratio Lower Upper
91 100
106 27.7 24.5 36.7

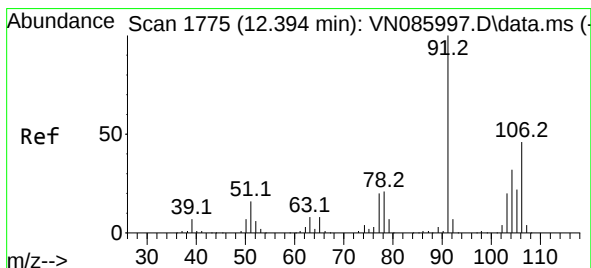
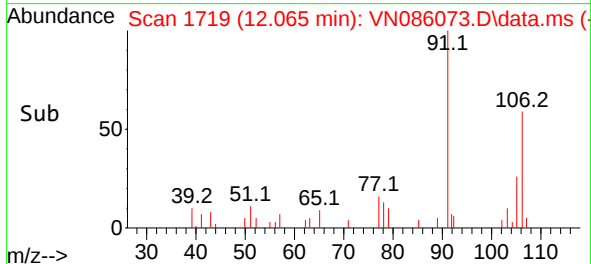
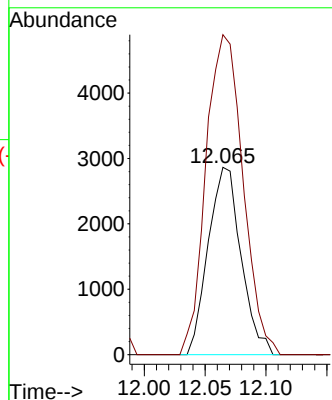
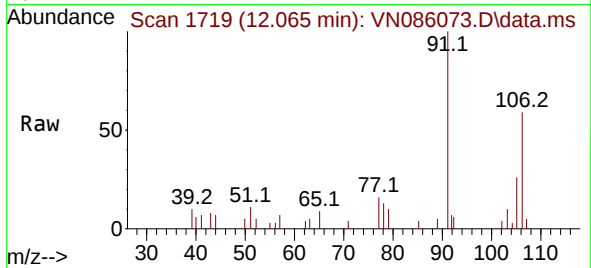




#68
m/p-Xylenes
Concen: 1.241 ug/l
RT: 12.065 min Scan# 1719
Delta R.T. -0.006 min
Lab File: VN086073.D
Acq: 24 Mar 2025 15:36

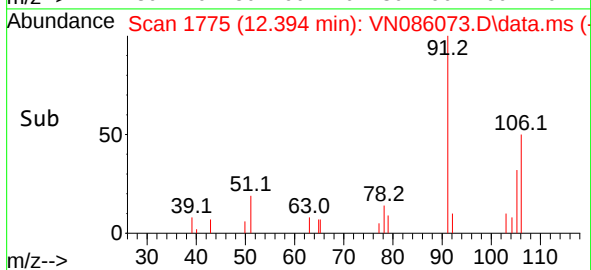
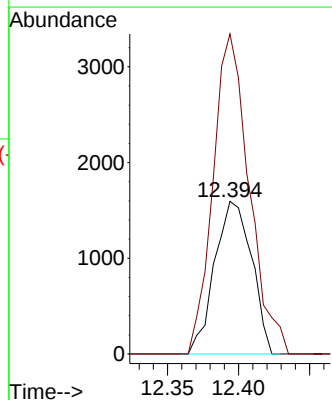
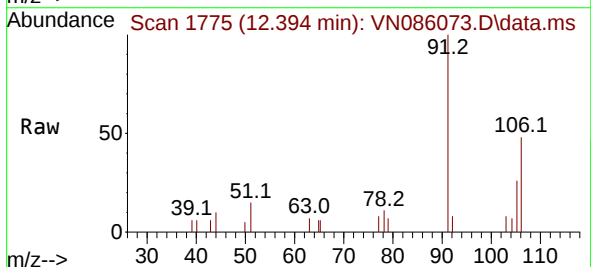
Instrument :
MSVOA_N
ClientSampleId :
ETGI-354ME

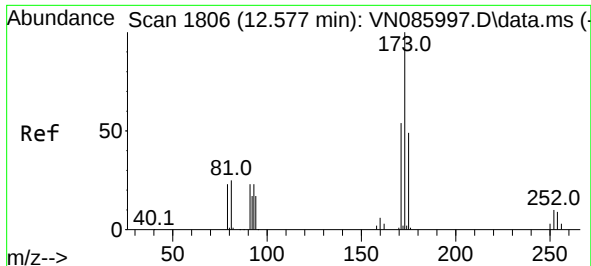
Tgt Ion:106 Resp: 5380
Ion Ratio Lower Upper
106 100
91 192.3 163.9 245.9



#69
o-Xylene
Concen: 0.726 ug/l
RT: 12.394 min Scan# 1775
Delta R.T. -0.000 min
Lab File: VN086073.D
Acq: 24 Mar 2025 15:36

Tgt Ion:106 Resp: 2888
Ion Ratio Lower Upper
106 100
91 204.5 109.1 327.2

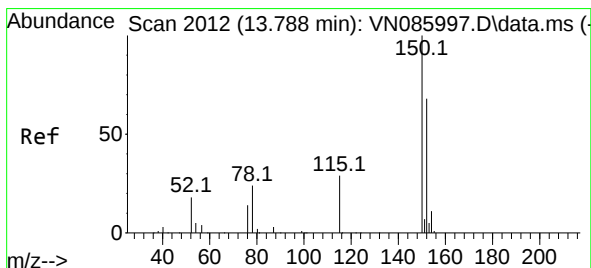
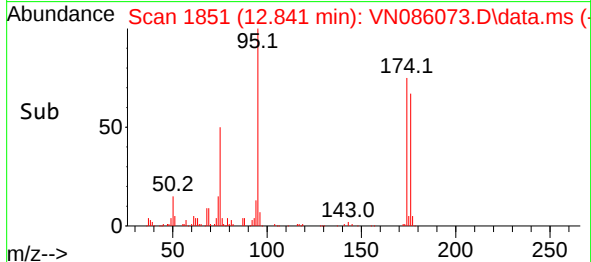
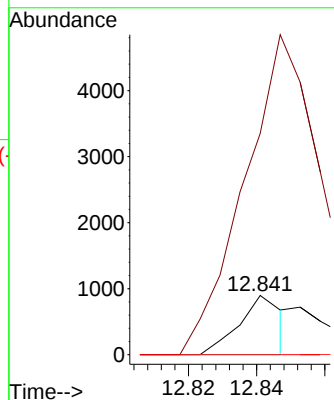
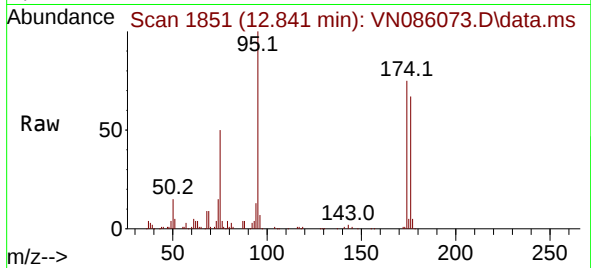




#71
Bromoform
Concen: 0.369 ug/l
RT: 12.841 min Scan# 1806
Delta R.T. 0.264 min
Lab File: VN086073.D
Acq: 24 Mar 2025 15:36

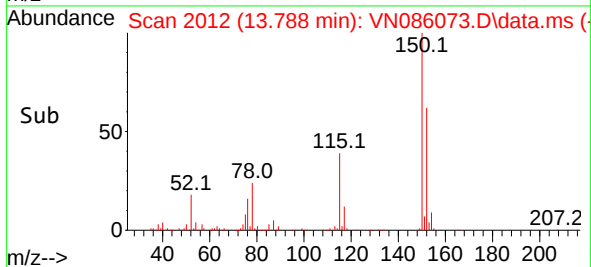
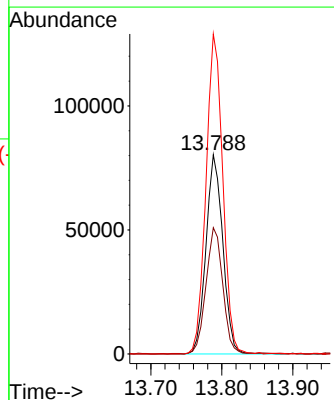
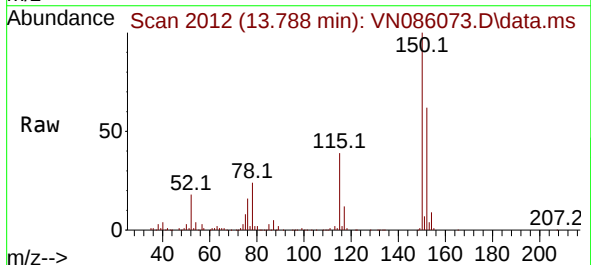
Instrument :
MSVOA_N
ClientSampleId :
ETGI-354ME

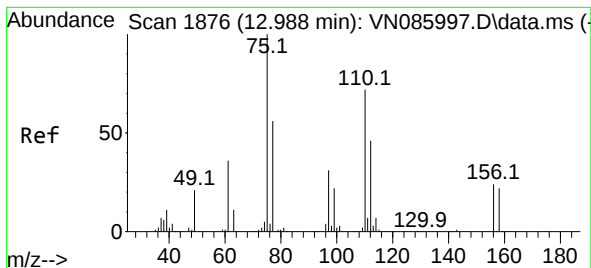
Tgt Ion:173 Resp: 791
Ion Ratio Lower Upper
173 100
175 737.9 24.3 73.0#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 1212
Delta R.T. -0.000 min
Lab File: VN086073.D
Acq: 24 Mar 2025 15:36

Tgt Ion:152 Resp: 132673
Ion Ratio Lower Upper
152 100
115 63.3 31.1 93.2
150 159.9 0.0 359.6





#76

1,2,3-Trichloropropane

Concen: 22.714 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.141 min

Lab File: VN086073.D

Acq: 24 Mar 2025 15:36

Instrument :

MSVOA_N

ClientSampleId :

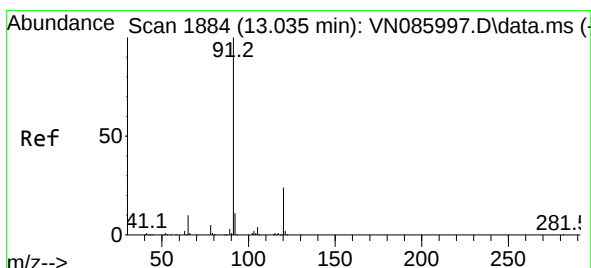
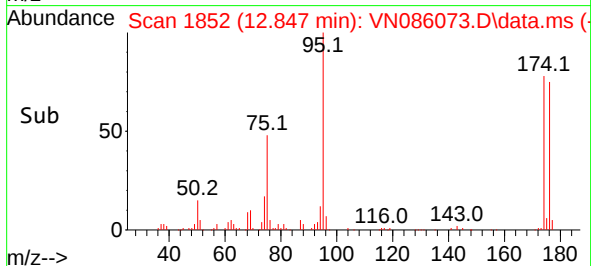
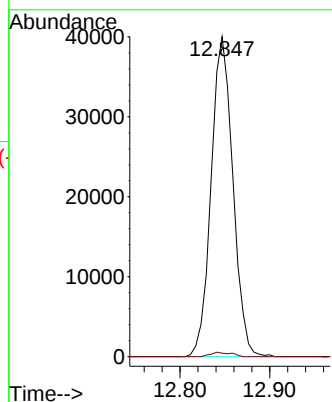
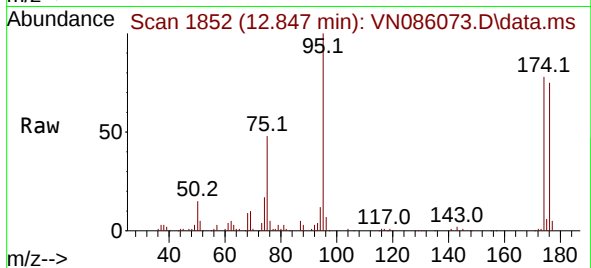
ETGI-354ME

Tgt Ion: 75 Resp: 67467

Ion Ratio Lower Upper

75 100

77 1.3 83.7 251.0#



#78

n-propylbenzene

Concen: 0.313 ug/l

RT: 13.035 min Scan# 1884

Delta R.T. -0.000 min

Lab File: VN086073.D

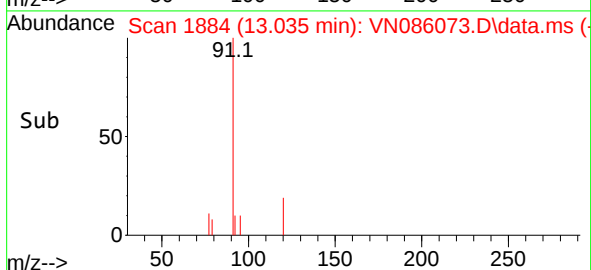
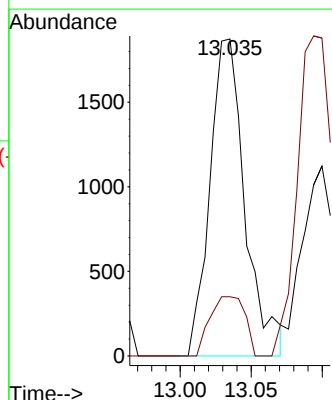
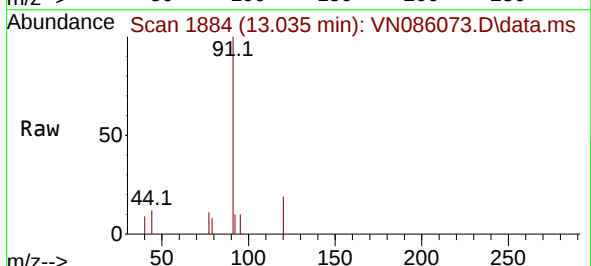
Acq: 24 Mar 2025 15:36

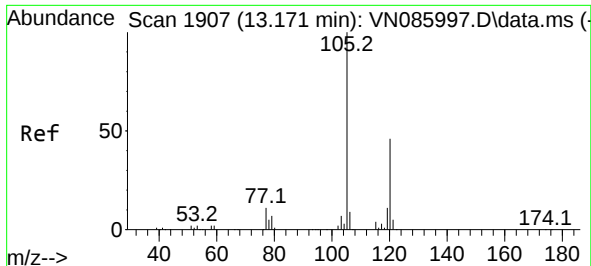
Tgt Ion: 91 Resp: 3215

Ion Ratio Lower Upper

91 100

120 18.7 11.7 35.0

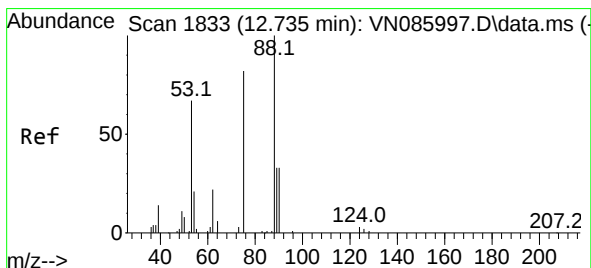
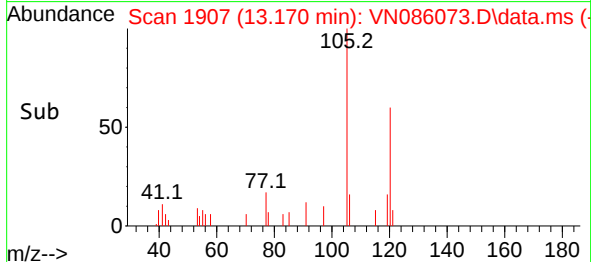
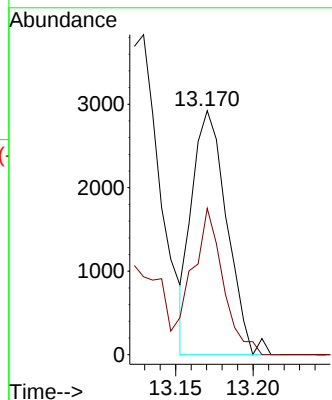
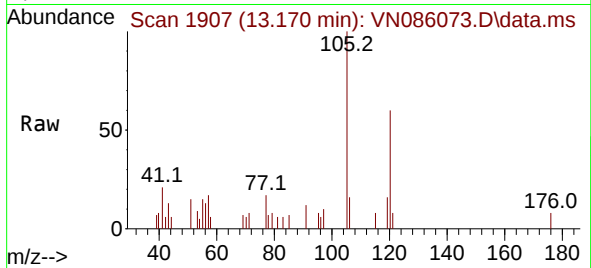




#80
1,3,5-Trimethylbenzene
Concen: 0.597 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VN086073.D
Acq: 24 Mar 2025 15:36

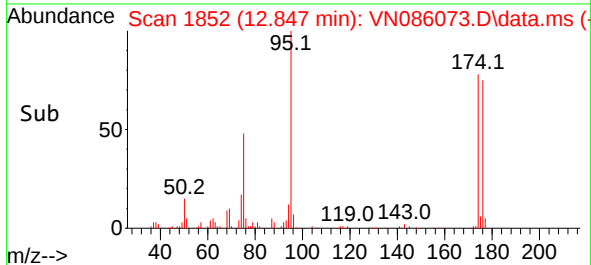
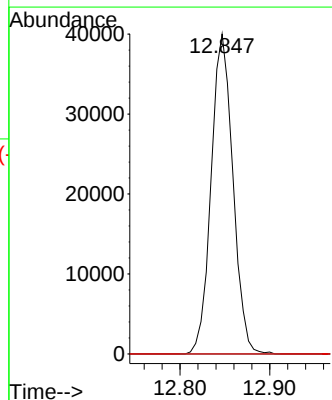
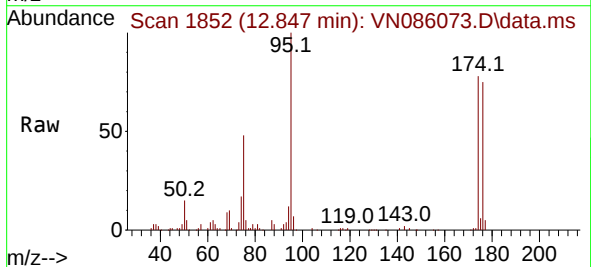
Instrument :
MSVOA_N
ClientSampleId :
ETGI-354ME

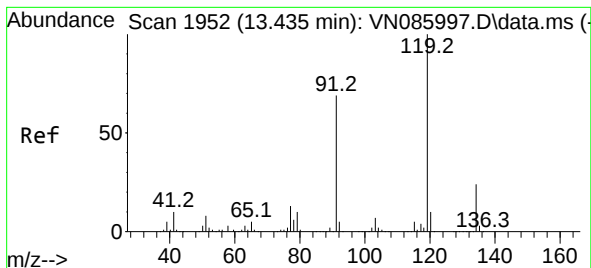
Tgt Ion:105 Resp: 4567
Ion Ratio Lower Upper
105 100
120 53.9 23.7 71.1



#81
trans-1,4-Dichloro-2-butene
Concen: 60.052 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN086073.D
Acq: 24 Mar 2025 15:36

Tgt Ion: 75 Resp: 67467
Ion Ratio Lower Upper
75 100
53 0.0 66.0 99.0#
89 0.0 36.9 55.3#





#83

tert-Butylbenzene

Concen: 0.294 ug/l

RT: 13.670 min Scan# 1992

Delta R.T. 0.235 min

Lab File: VN086073.D

Acq: 24 Mar 2025 15:36

Instrument :

MSVOA_N

ClientSampleId :

ETGI-354ME

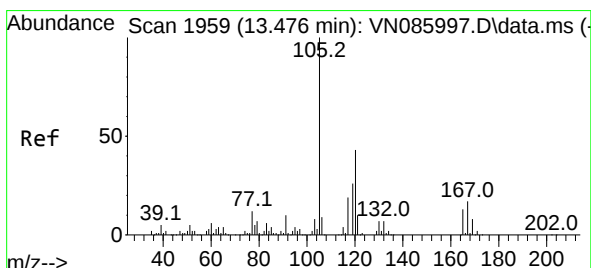
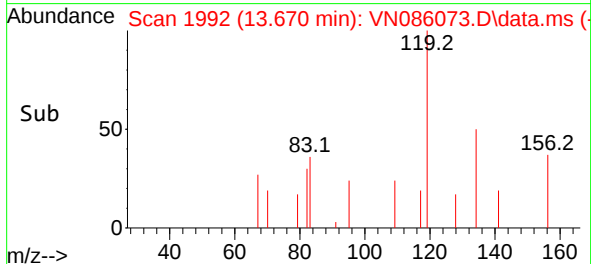
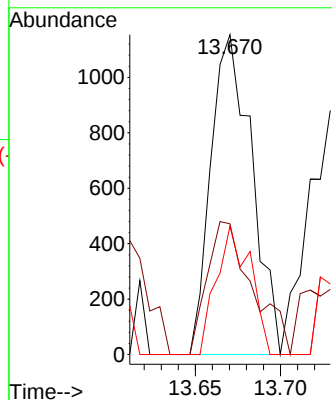
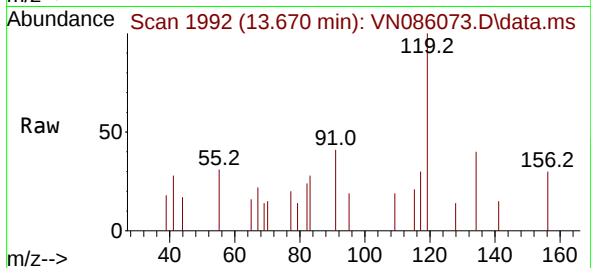
Tgt Ion:119 Resp: 1925

Ion Ratio Lower Upper

119 100

91 46.2 34.3 102.9

134 33.4 13.5 40.5



#84

1,2,4-Trimethylbenzene

Concen: 1.969 ug/l

RT: 13.476 min Scan# 1959

Delta R.T. -0.000 min

Lab File: VN086073.D

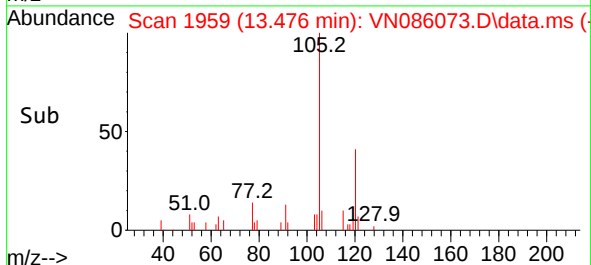
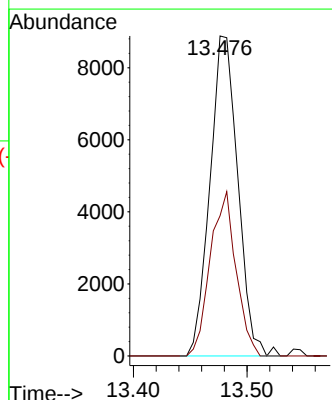
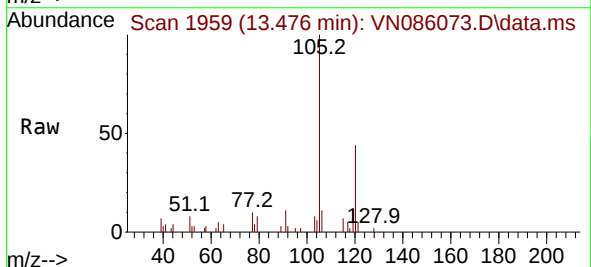
Acq: 24 Mar 2025 15:36

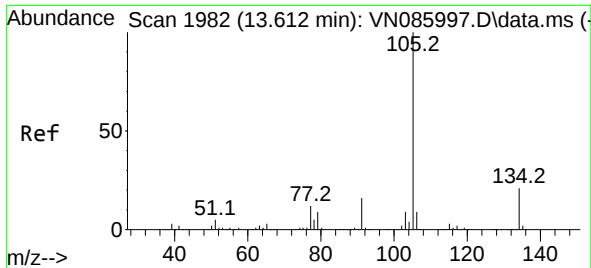
Tgt Ion:105 Resp: 15194

Ion Ratio Lower Upper

105 100

120 47.4 21.9 65.8

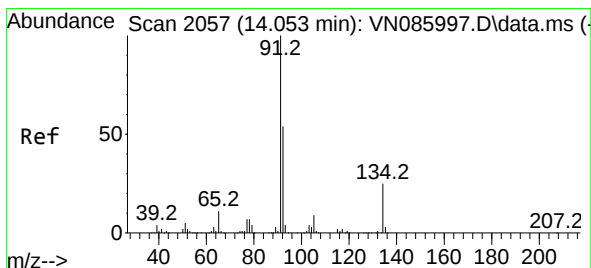
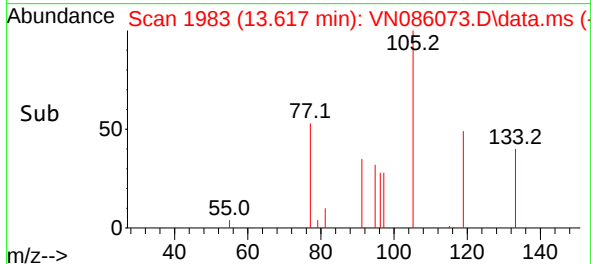
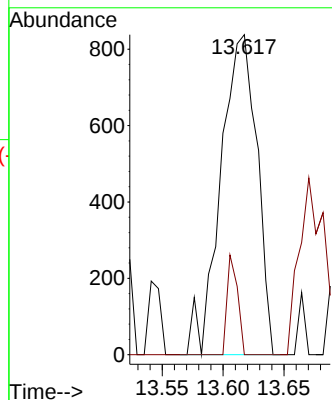
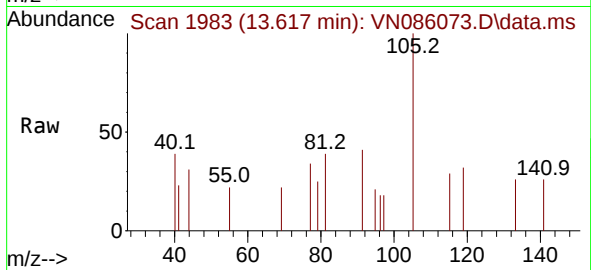




#85
sec-Butylbenzene
Concen: 0.204 ug/l
RT: 13.617 min Scan# 1983
Delta R.T. 0.006 min
Lab File: VN086073.D
Acq: 24 Mar 2025 15:36

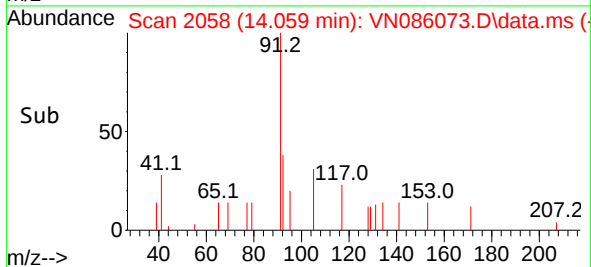
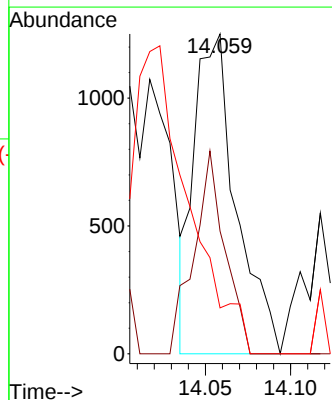
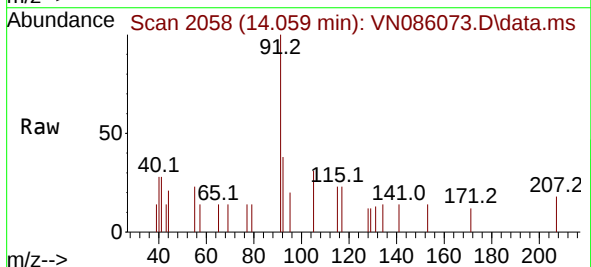
Instrument :
MSVOA_N
ClientSampleId :
ETGI-354ME

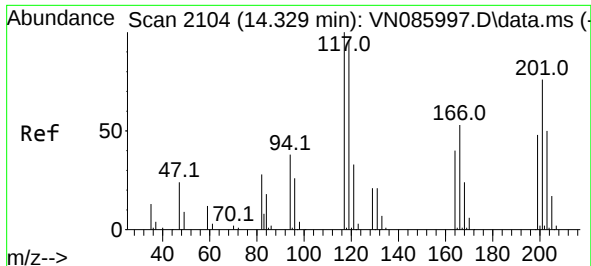
Tgt Ion:105 Resp: 1737
Ion Ratio Lower Upper
105 100
134 8.9 10.1 30.1#



#89
n-Butylbenzene
Concen: 0.363 ug/l
RT: 14.059 min Scan# 2058
Delta R.T. 0.006 min
Lab File: VN086073.D
Acq: 24 Mar 2025 15:36

Tgt Ion: 91 Resp: 2135
Ion Ratio Lower Upper
91 100
92 47.1 26.9 80.6
134 0.0 13.0 39.0#

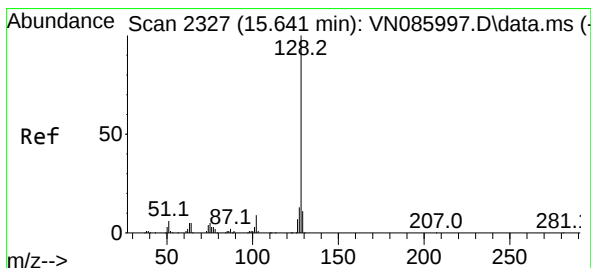
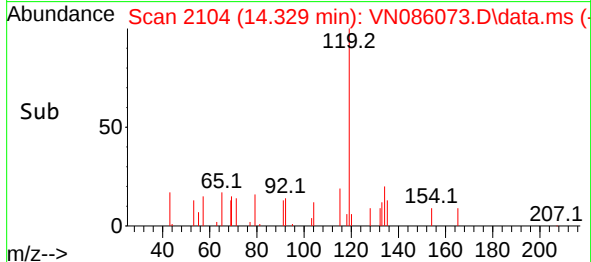
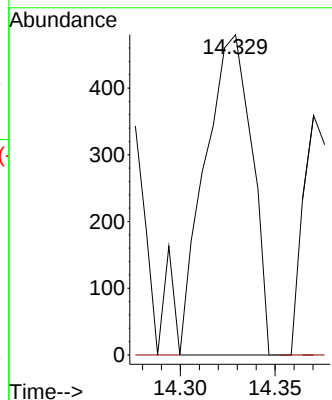
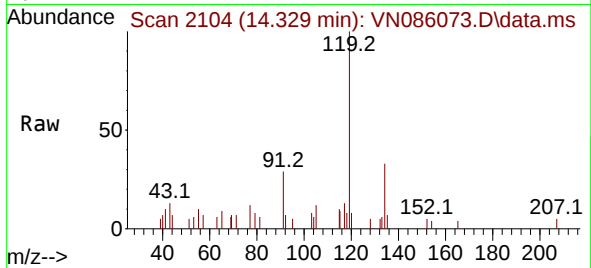




#90
Hexachloroethane
Concen: 0.496 ug/l
RT: 14.329 min Scan# 2104
Delta R.T. -0.000 min
Lab File: VN086073.D
Acq: 24 Mar 2025 15:36

Instrument :
MSVOA_N
ClientSampleId :
ETGI-354ME

Tgt Ion:117 Resp: 826
Ion Ratio Lower Upper
117 100
201 0.0 39.1 117.3#



#95
Naphthalene
Concen: 13.037 ug/l
RT: 15.641 min Scan# 2327
Delta R.T. -0.000 min
Lab File: VN086073.D
Acq: 24 Mar 2025 15:36

Tgt Ion:128 Resp: 85927
Ion Ratio Lower Upper
128 100
127 12.8 10.2 15.4
129 11.7 9.0 13.6

