

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032825\
 Data File : VN086155.D
 Acq On : 28 Mar 2025 17:06
 Operator : JC\MD
 Sample : Q1664-12
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 P001-BBDGA-003-01

Quant Time: Mar 28 23:39:01 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)

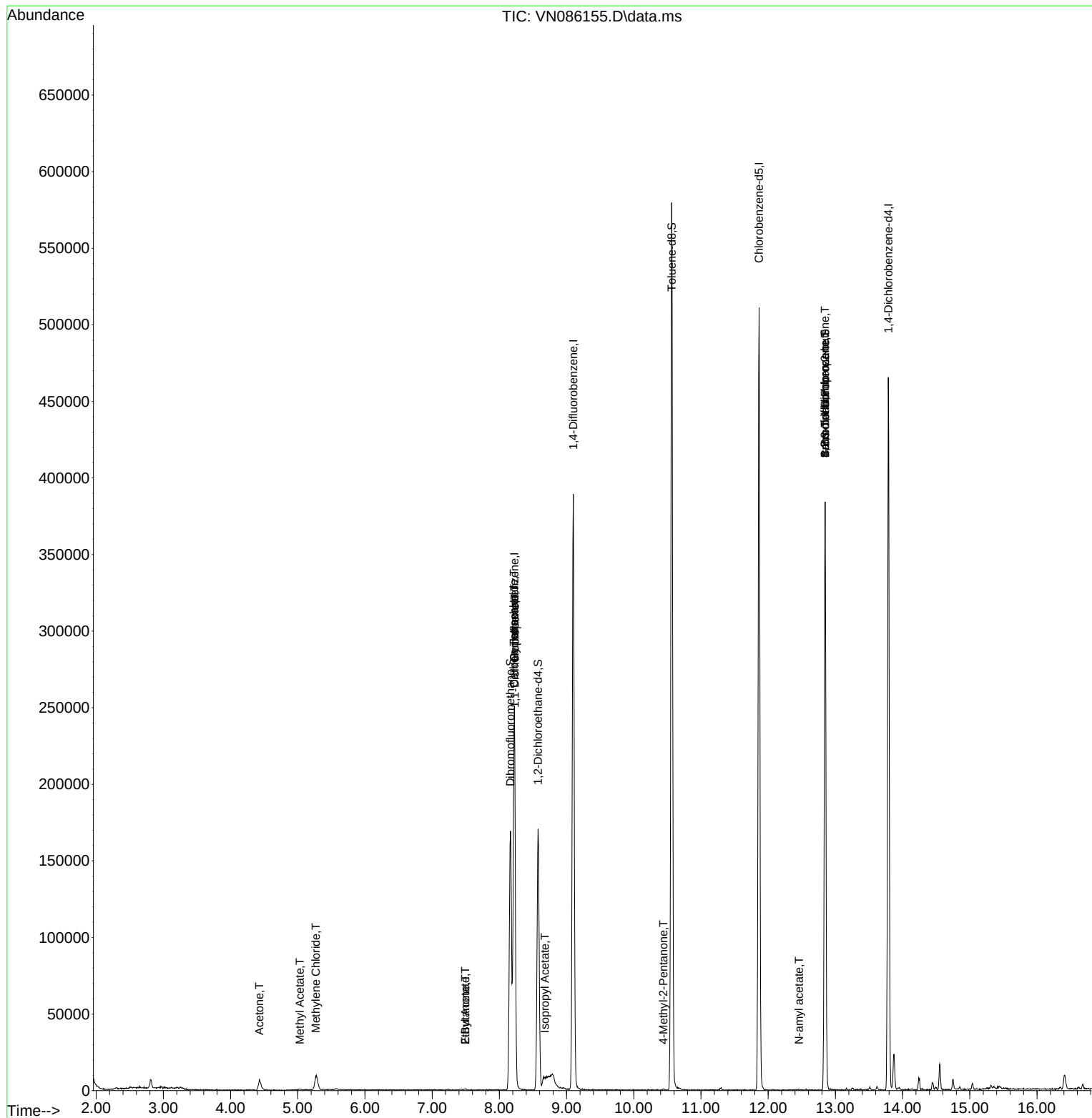
Internal Standards						
1) Pentafluorobenzene	8.224	168	180078	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	340614	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	305275	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	129139	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	139439	56.547	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 113.100%			
35) Dibromofluoromethane	8.165	113	124066	52.185	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.360%			
50) Toluene-d8	10.565	98	414603	48.051	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 96.100%			
62) 4-Bromofluorobenzene	12.847	95	135528	44.043	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 88.080%			
Target Compounds					Qvalue	
16) Acetone	4.430	43	12356	16.401	ug/l	96
18) Methyl Acetate	5.030	43	640	0.343	ug/l #	62
20) Methylene Chloride	5.271	84	8183	3.713	ug/l	87
25) 2-Butanone	7.494	43	1421	1.307	ug/l #	40
31) Cyclohexane	8.224	56	3400	1.107	ug/l #	1
36) 1,1-Dichloropropene	8.230	75	14708	4.698	ug/l #	50
37) Ethyl Acetate	7.494	43	1421	0.538	ug/l #	64
38) Carbon Tetrachloride	8.218	117	18857	4.581	ug/l #	15
43) Isopropyl Acetate	8.677	43	7444	1.301	ug/l #	50
51) 4-Methyl-2-Pentanone	10.441	43	713	0.282	ug/l #	60
71) Bromoform	12.847	173	1280	0.590	ug/l #	1
74) N-amyl acetate	12.459	43	667	0.226	ug/l #	35
76) 1,2,3-Trichloropropane	12.847	75	67645	23.397	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	67645	61.858	ug/l #	16

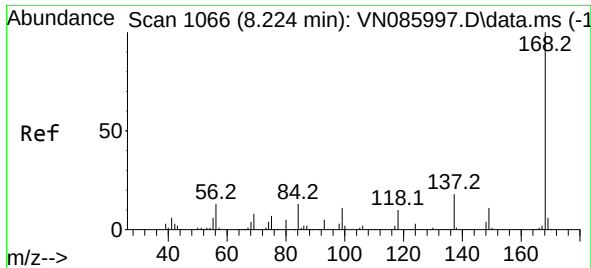
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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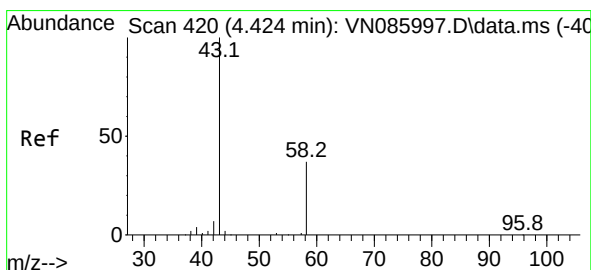
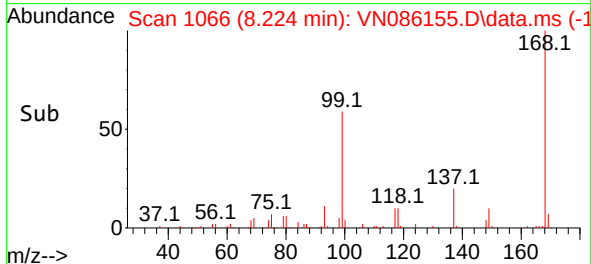
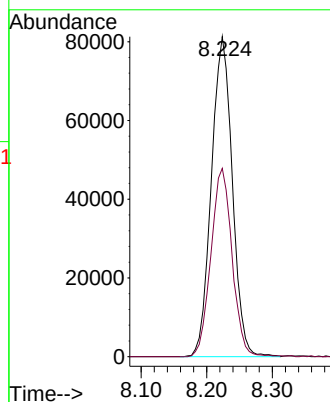
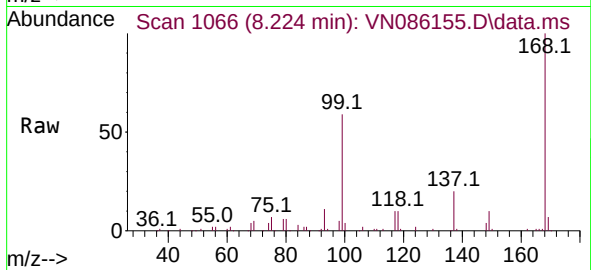




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN086155.D
Acq: 28 Mar 2025 17:06

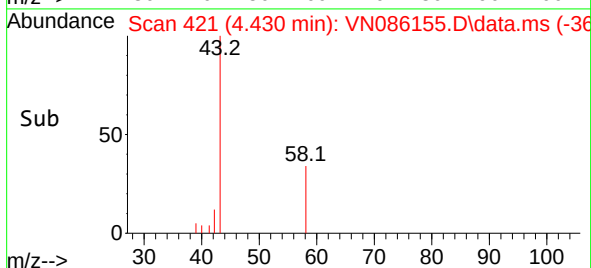
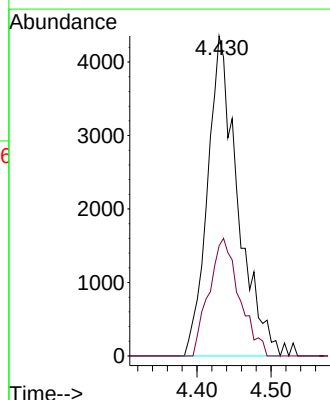
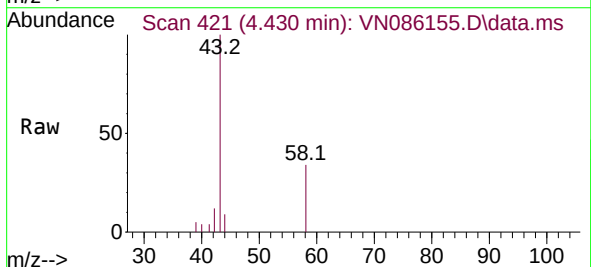
Instrument :
MSVOA_N
ClientSampleId :
P001-BBDGA-003-01

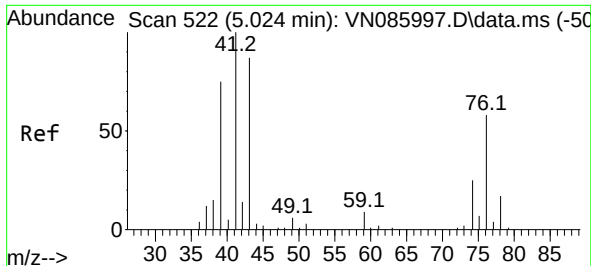
Tgt Ion:168 Resp: 180078
Ion Ratio Lower Upper
168 100
99 58.8 49.4 74.2



#16
Acetone
Concen: 16.401 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN086155.D
Acq: 28 Mar 2025 17:06

Tgt Ion: 43 Resp: 12356
Ion Ratio Lower Upper
43 100
58 34.4 29.4 44.2

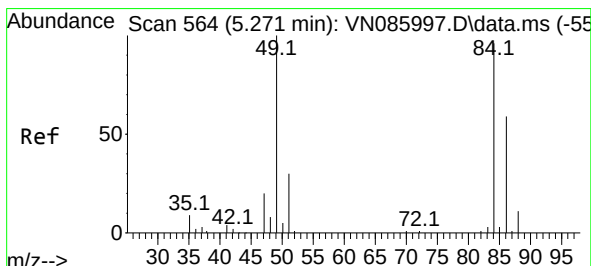
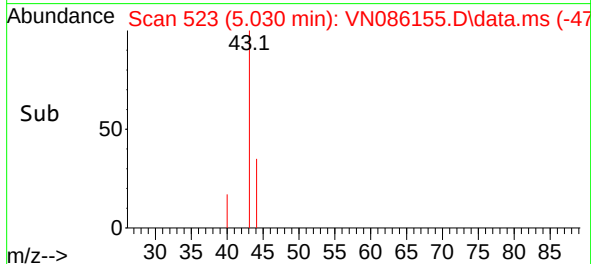
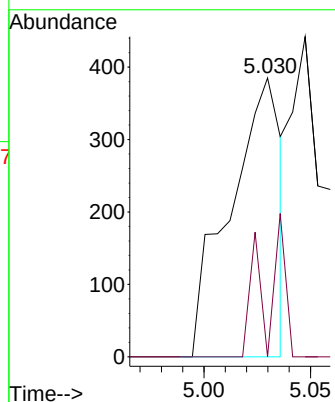
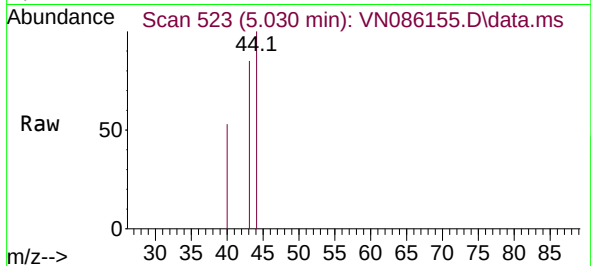




#18
Methyl Acetate
Concen: 0.343 ug/l
RT: 5.030 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN086155.D
Acq: 28 Mar 2025 17:06

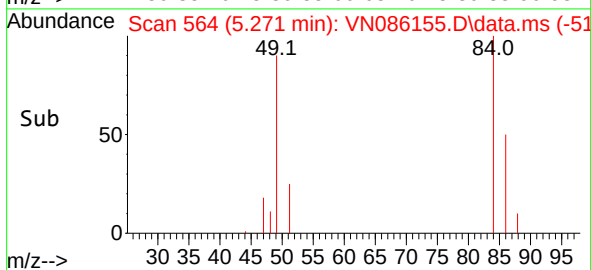
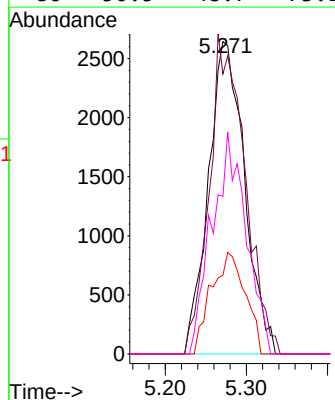
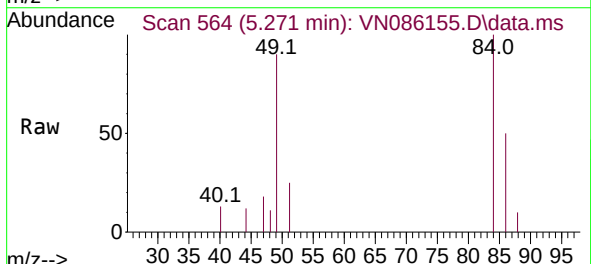
Instrument :
MSVOA_N
ClientSampleId :
P001-BBDGA-003-01

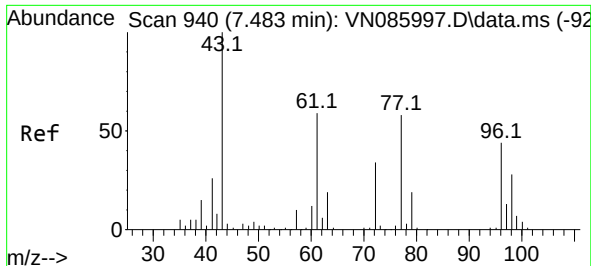
Tgt Ion: 43 Resp: 640
Ion Ratio Lower Upper
43 100
74 9.5 23.9 35.9#



#20
Methylene Chloride
Concen: 3.713 ug/l
RT: 5.271 min Scan# 564
Delta R.T. -0.000 min
Lab File: VN086155.D
Acq: 28 Mar 2025 17:06

Tgt Ion: 84 Resp: 8183
Ion Ratio Lower Upper
84 100
49 89.6 83.3 124.9
51 25.2 24.8 37.2
86 50.5 48.7 73.1

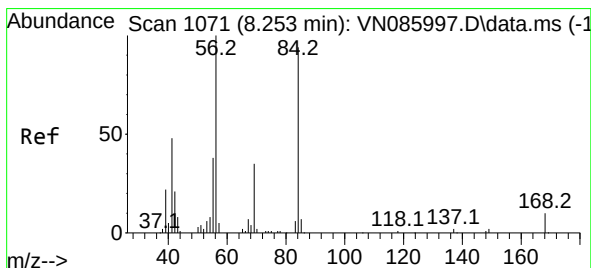
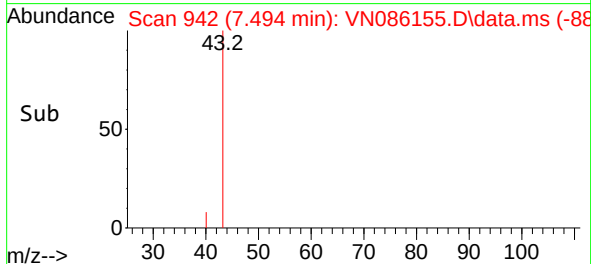
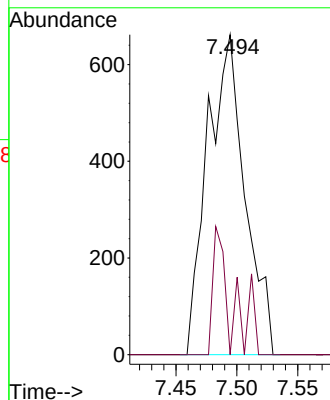
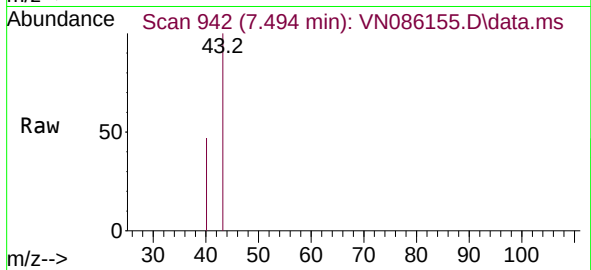




#25
2-Butanone
Concen: 1.307 ug/l
RT: 7.494 min Scan# 94
Delta R.T. 0.012 min
Lab File: VN086155.D
Acq: 28 Mar 2025 17:06

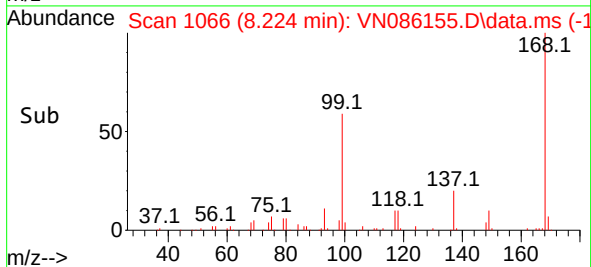
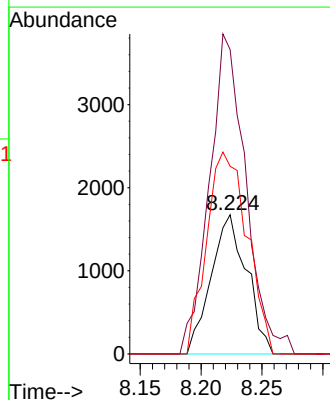
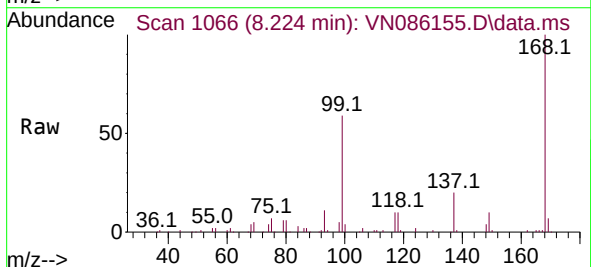
Instrument :
MSVOA_N
ClientSampleId :
P001-BBDGA-003-01

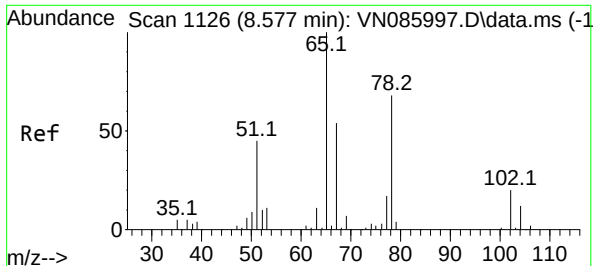
Tgt Ion: 43 Resp: 1421
Ion Ratio Lower Upper
43 100
72 0.0 27.4 41.0#



#31
Cyclohexane
Concen: 1.107 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.030 min
Lab File: VN086155.D
Acq: 28 Mar 2025 17:06

Tgt Ion: 56 Resp: 3400
Ion Ratio Lower Upper
56 100
69 218.7 28.0 42.0#
84 134.8 75.0 112.6#





#33

1,2-Dichloroethane-d4

Concen: 56.547 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VN086155.D

Acq: 28 Mar 2025 17:06

Instrument :

MSVOA_N

ClientSampleId :

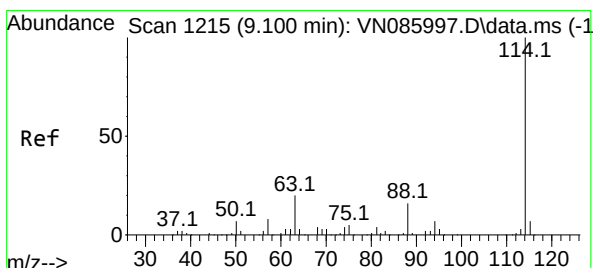
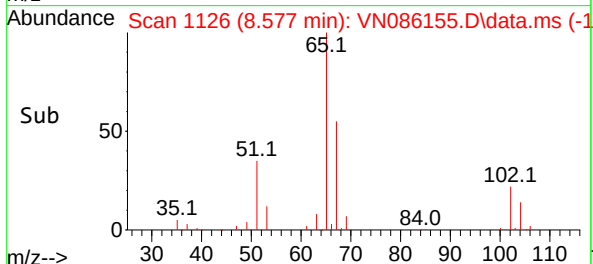
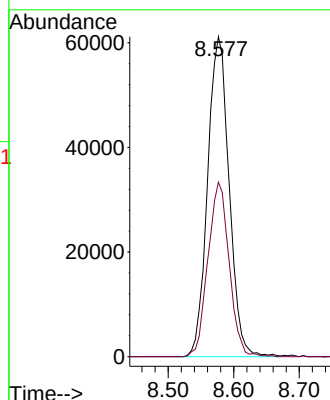
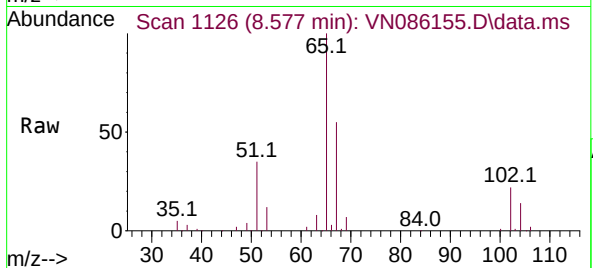
P001-BBDGA-003-01

Tgt Ion: 65 Resp: 139439

Ion Ratio Lower Upper

65 100

67 53.7 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: VN086155.D

Acq: 28 Mar 2025 17:06

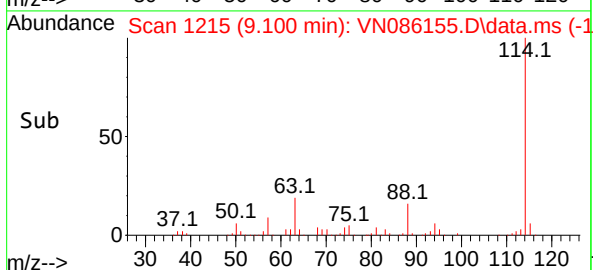
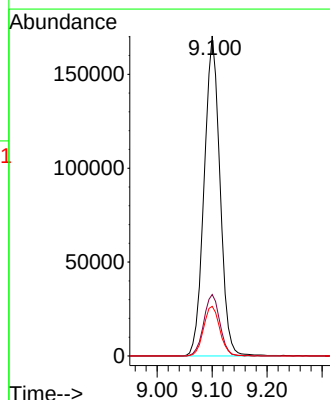
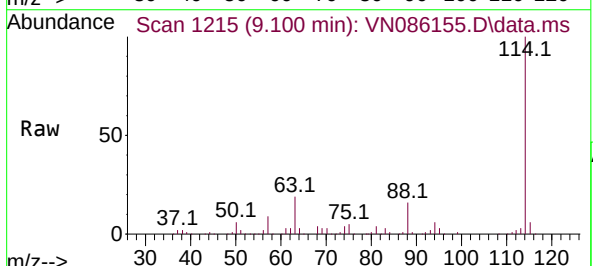
Tgt Ion: 114 Resp: 340614

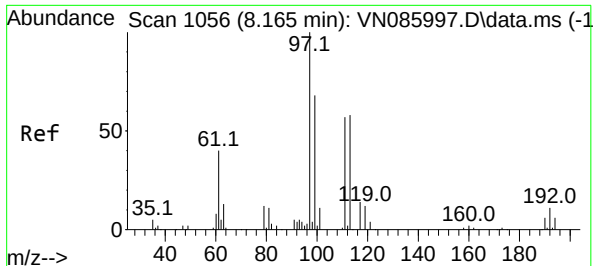
Ion Ratio Lower Upper

114 100

63 19.2 0.0 39.6

88 15.5 0.0 32.6





#35

Dibromofluoromethane

Concen: 52.185 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN086155.D

Acq: 28 Mar 2025 17:06

Instrument :

MSVOA_N

ClientSampleId :

P001-BBDGA-003-01

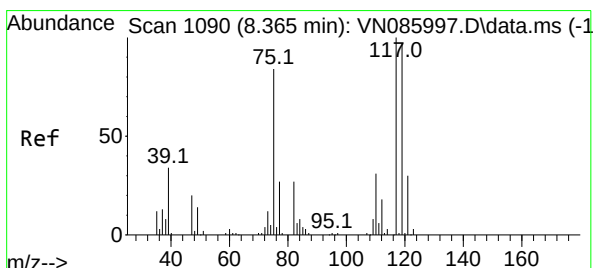
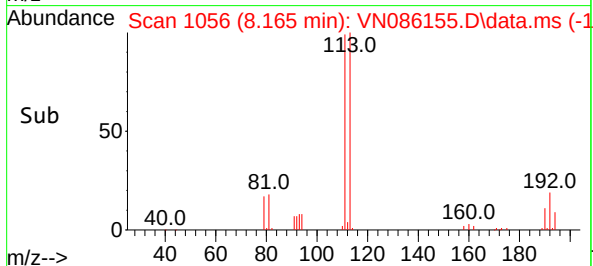
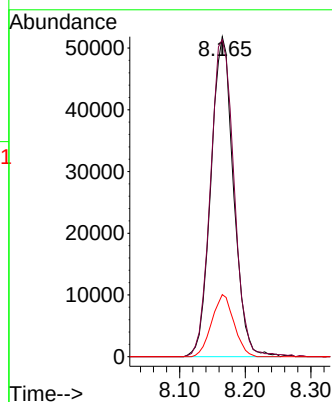
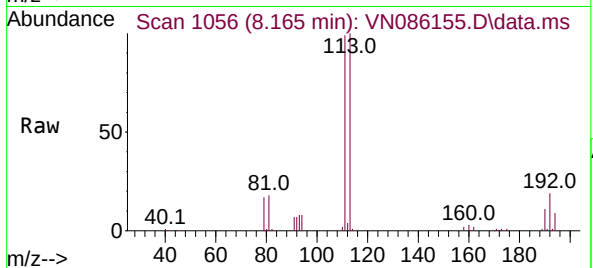
Tgt Ion:113 Resp: 124066

Ion Ratio Lower Upper

113 100

111 103.3 81.8 122.8

192 19.0 15.9 23.9



#36

1,1-Dichloropropene

Concen: 4.698 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.135 min

Lab File: VN086155.D

Acq: 28 Mar 2025 17:06

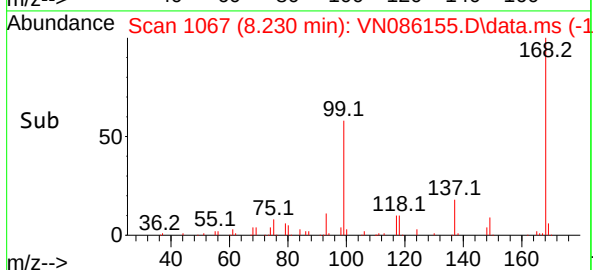
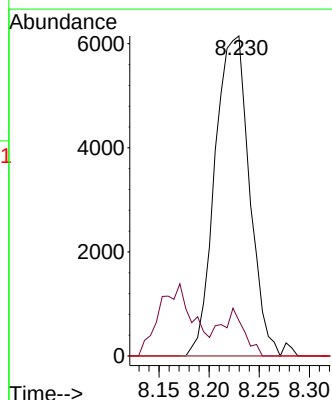
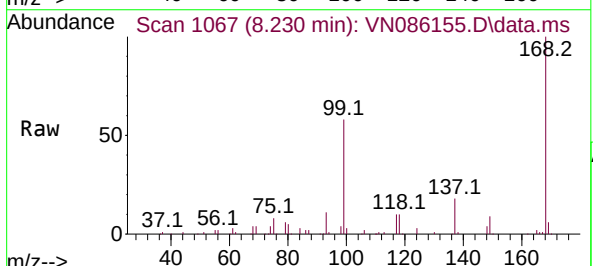
Tgt Ion: 75 Resp: 14708

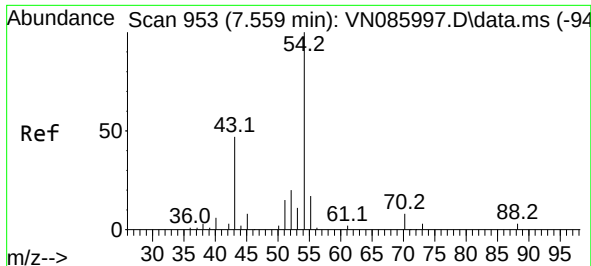
Ion Ratio Lower Upper

75 100

110 10.1 17.8 53.3#

77 0.0 25.0 37.4#

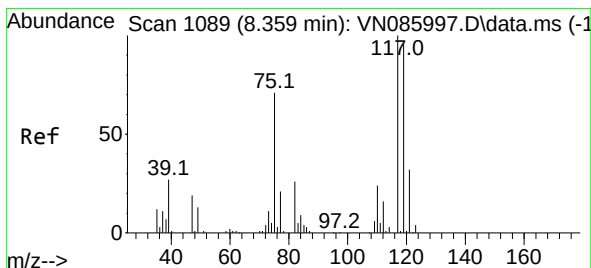
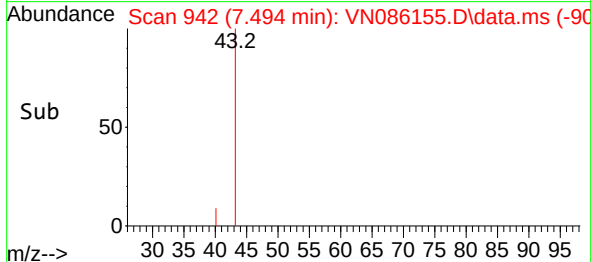
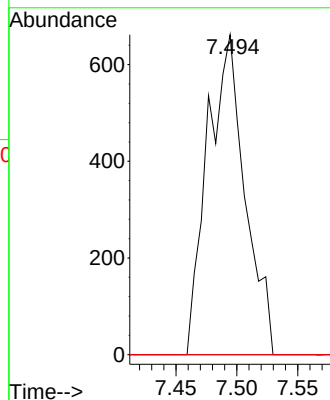
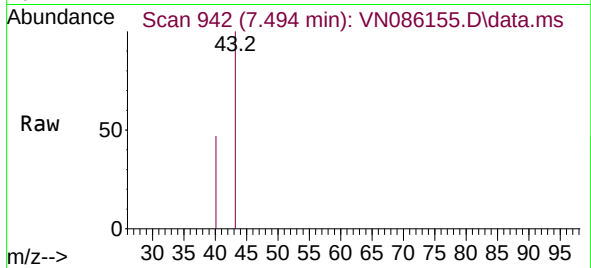




#37
Ethyl Acetate
Concen: 0.538 ug/l
RT: 7.494 min Scan# 94
Delta R.T. -0.065 min
Lab File: VN086155.D
Acq: 28 Mar 2025 17:06

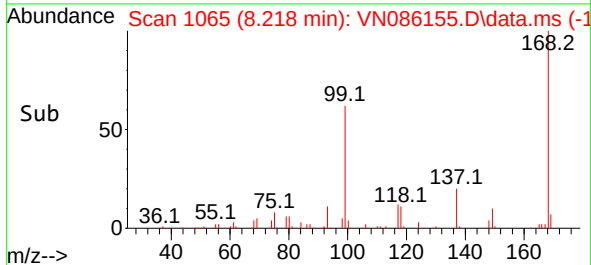
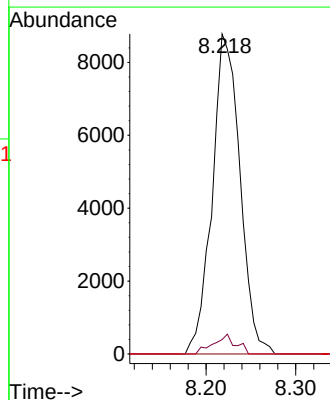
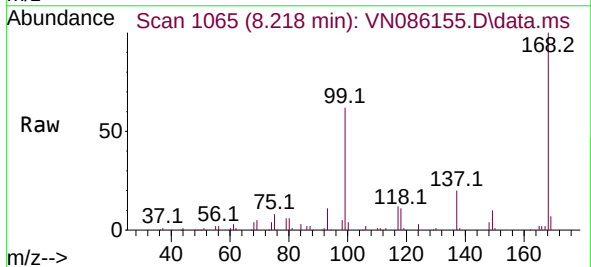
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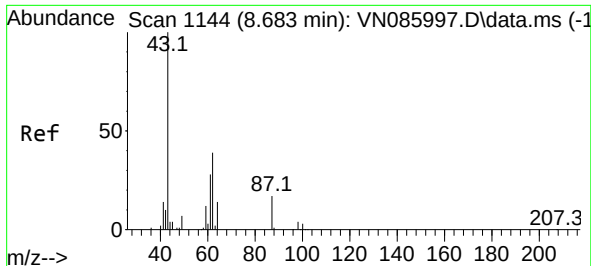
Tgt Ion: 43 Resp: 1421
Ion Ratio Lower Upper
43 100
61 0.0 13.0 19.4#
70 0.0 11.0 16.6#



#38
Carbon Tetrachloride
Concen: 4.581 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.141 min
Lab File: VN086155.D
Acq: 28 Mar 2025 17:06

Tgt Ion: 117 Resp: 18857
Ion Ratio Lower Upper
117 100
119 4.5 77.0 115.4#
121 0.0 25.6 38.4#

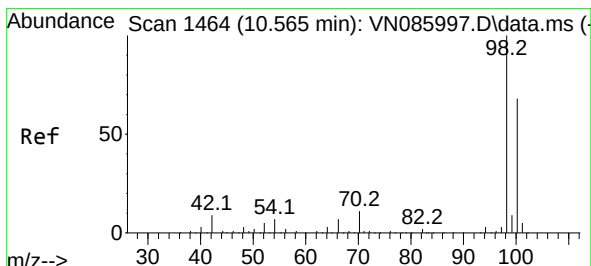
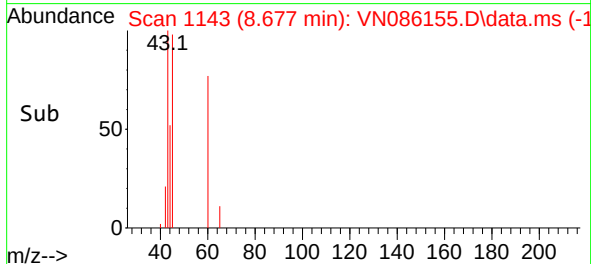
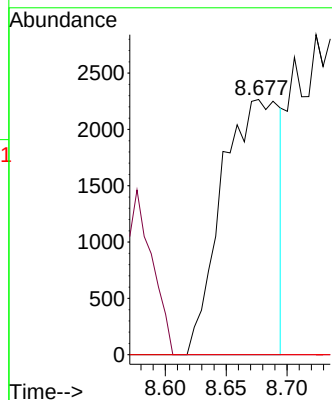
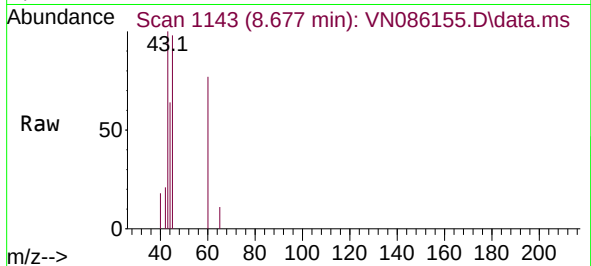




#43
Isopropyl Acetate
Concen: 1.301 ug/l
RT: 8.677 min Scan# 1143
Delta R.T. -0.006 min
Lab File: VN086155.D
Acq: 28 Mar 2025 17:06

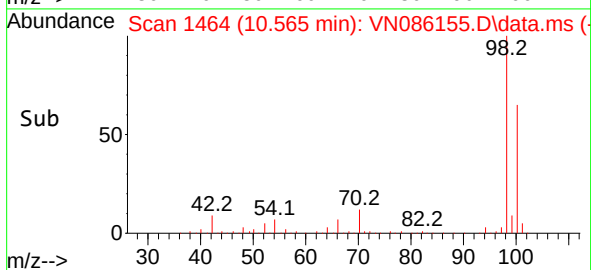
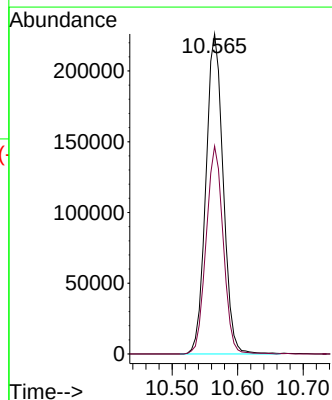
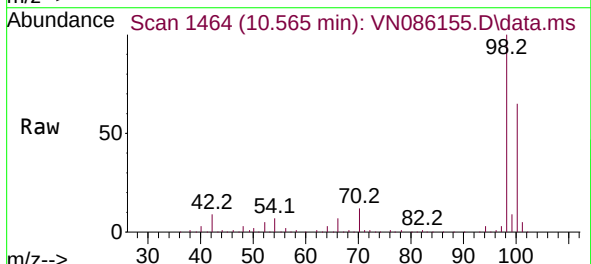
Instrument :
MSVOA_N
ClientSampleId :
P001-BBDGA-003-01

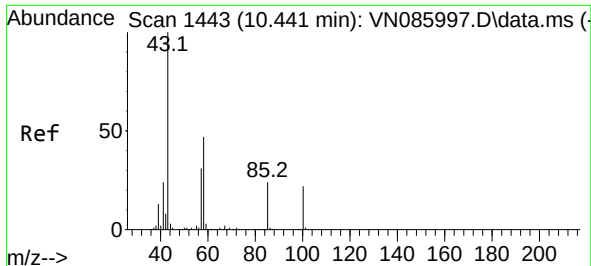
Tgt Ion: 43 Resp: 7444
Ion Ratio Lower Upper
43 100
61 0.0 25.0 37.6#
87 0.0 13.0 19.4#



#50
Toluene-d8
Concen: 48.051 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN086155.D
Acq: 28 Mar 2025 17:06

Tgt Ion: 98 Resp: 414603
Ion Ratio Lower Upper
98 100
100 64.1 53.1 79.7

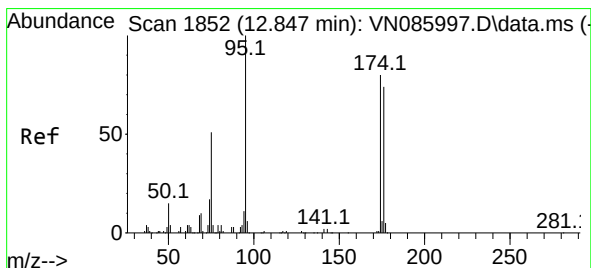
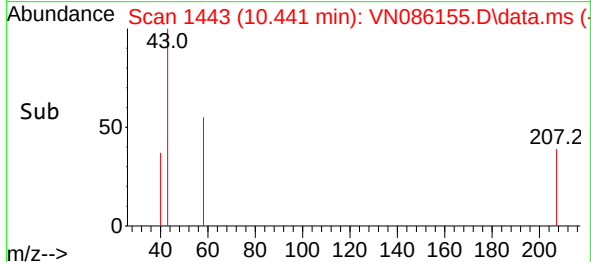
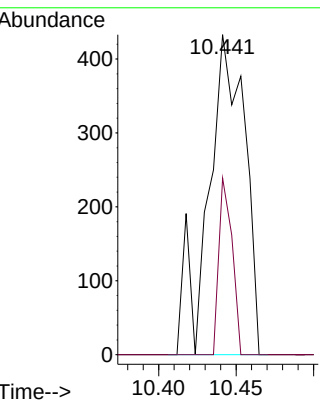
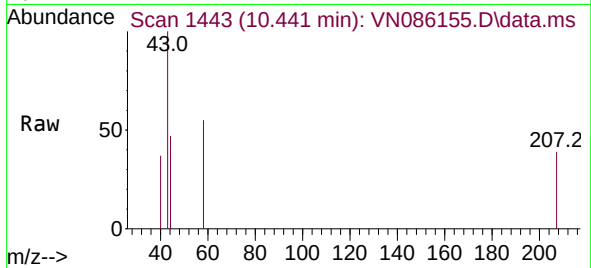




#51
4-Methyl-2-Pentanone
Concen: 0.282 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. -0.000 min
Lab File: VN086155.D
Acq: 28 Mar 2025 17:06

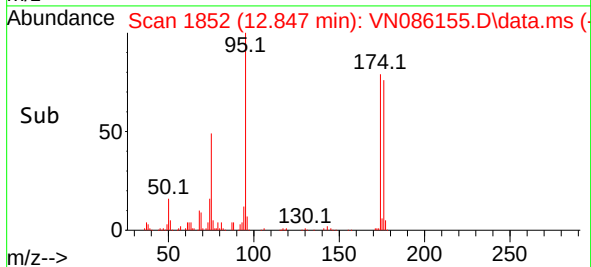
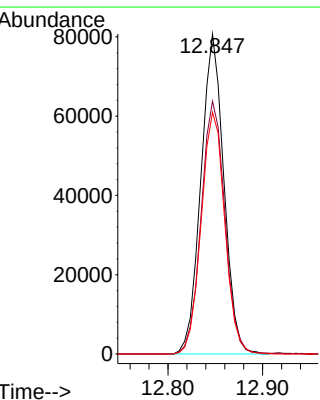
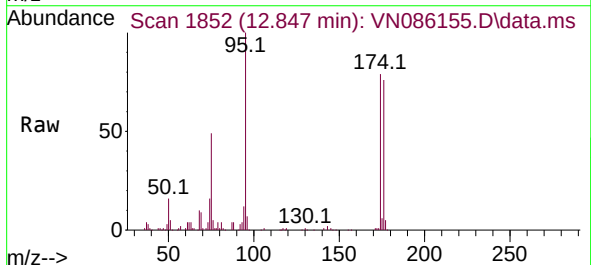
Instrument :
MSVOA_N
ClientSampleId :
P001-BBDGA-003-01

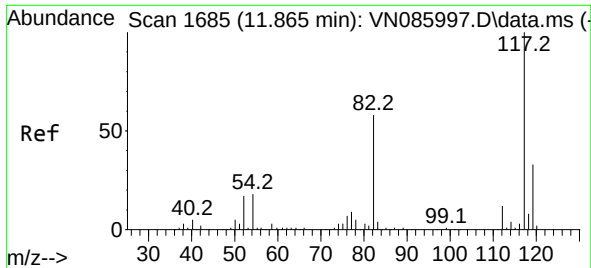
Tgt Ion: 43 Resp: 713
Ion Ratio Lower Upper
43 100
58 19.8 37.4 56.0#



#62
4-Bromofluorobenzene
Concen: 44.043 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086155.D
Acq: 28 Mar 2025 17:06

Tgt Ion: 95 Resp: 135528
Ion Ratio Lower Upper
95 100
174 81.8 0.0 156.8
176 77.7 0.0 152.2

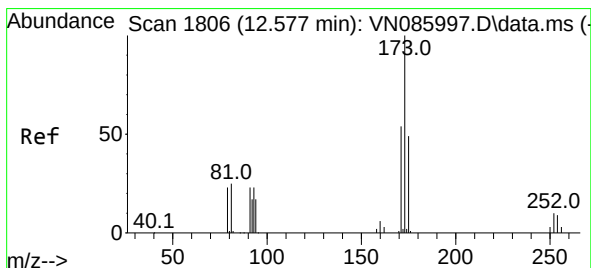
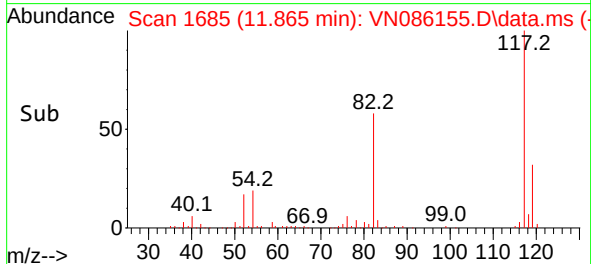
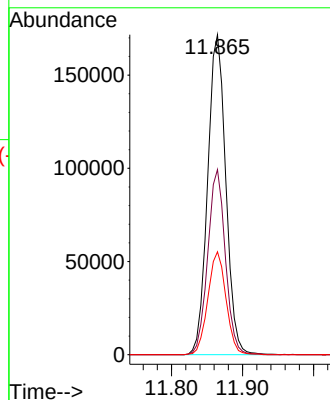
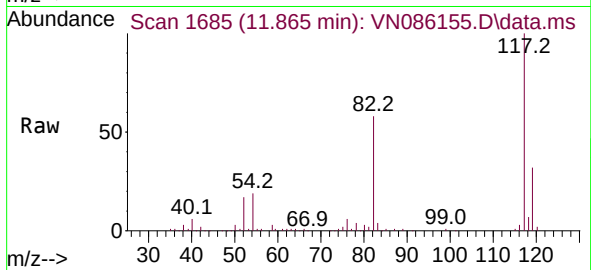




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN086155.D
Acq: 28 Mar 2025 17:06

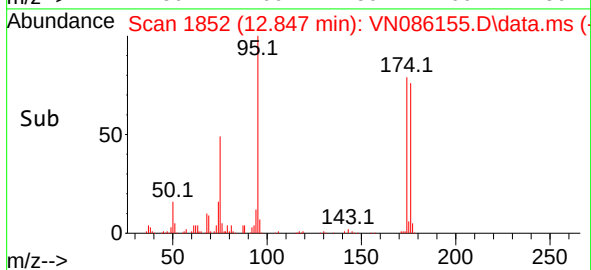
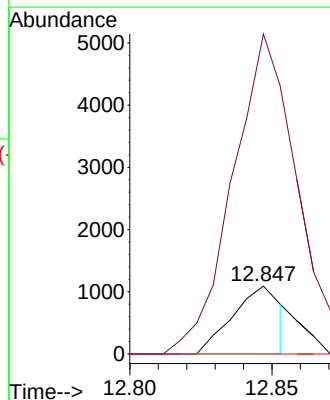
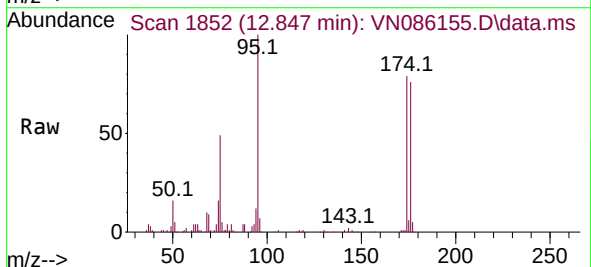
Instrument :
MSVOA_N
ClientSampleId :
P001-BBDGA-003-01

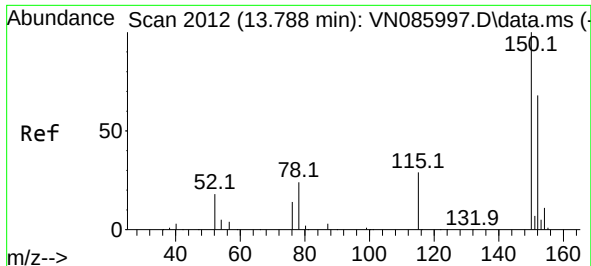
Tgt Ion:117 Resp: 305275
Ion Ratio Lower Upper
117 100
82 57.9 46.7 70.1
119 32.1 26.5 39.7



#71
Bromoform
Concen: 0.590 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.270 min
Lab File: VN086155.D
Acq: 28 Mar 2025 17:06

Tgt Ion:173 Resp: 1280
Ion Ratio Lower Upper
173 100
175 490.9 24.3 73.0#
254 0.0 0.0 0.0

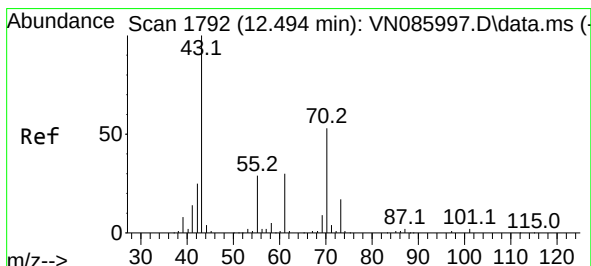
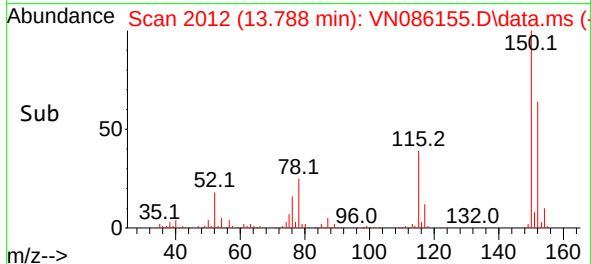
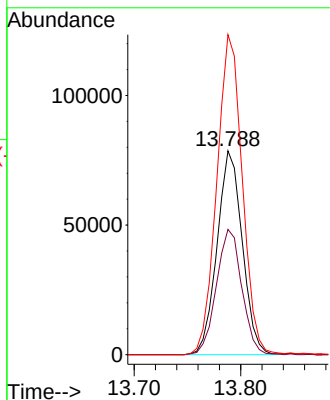
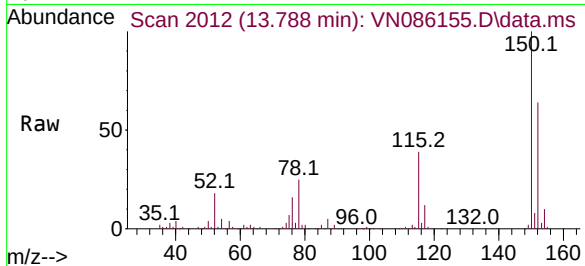




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.788 min Scan# 20
 Delta R.T. -0.000 min
 Lab File: VN086155.D
 Acq: 28 Mar 2025 17:06

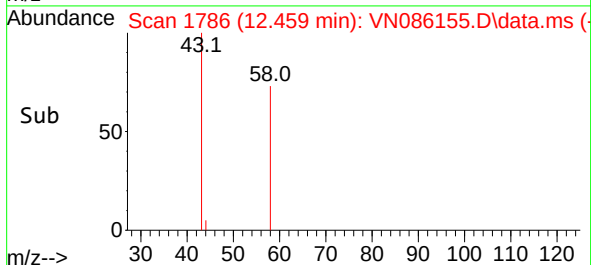
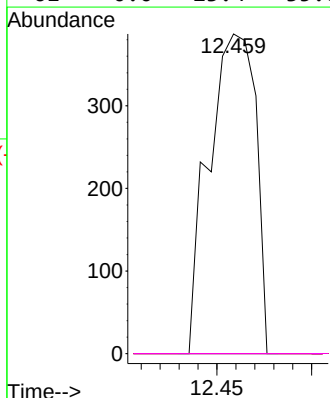
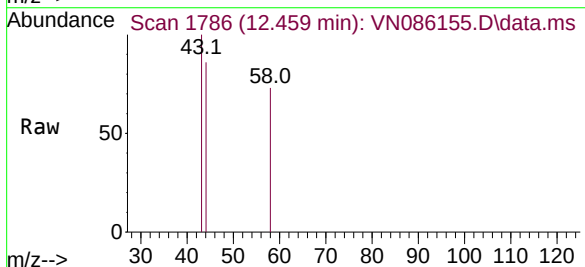
Instrument :
 MSVOA_N
 ClientSampleId :
 P001-BBDGA-003-01

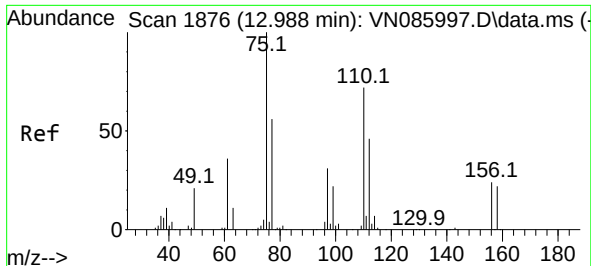
Tgt Ion:152 Resp: 129139
 Ion Ratio Lower Upper
 152 100
 115 61.9 31.1 93.2
 150 159.4 0.0 359.6



#74
 N-ethyl acetate
 Concen: 0.226 ug/l
 RT: 12.459 min Scan# 1786
 Delta R.T. -0.035 min
 Lab File: VN086155.D
 Acq: 28 Mar 2025 17:06

Tgt Ion: 43 Resp: 667
 Ion Ratio Lower Upper
 43 100
 70 0.0 43.0 64.4#
 55 0.0 23.8 35.8#
 61 0.0 23.4 35.0#

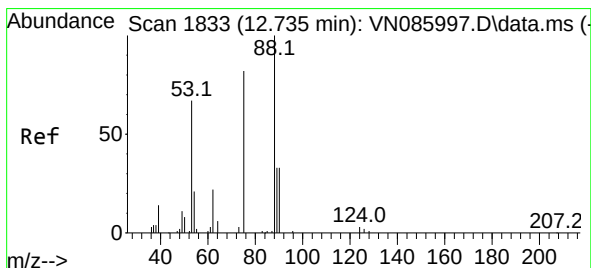
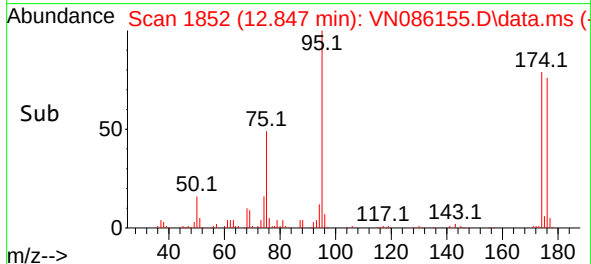
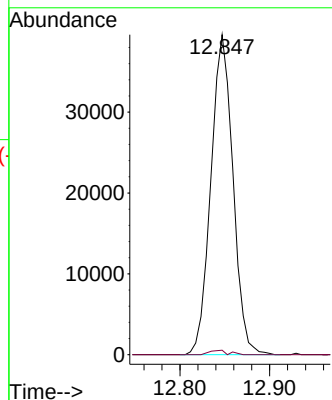
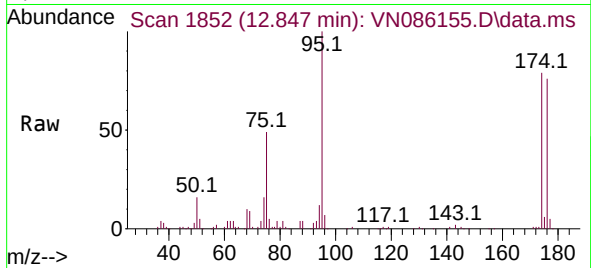




#76
1,2,3-Trichloropropane
Concen: 23.397 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.141 min
Lab File: VN086155.D
Acq: 28 Mar 2025 17:06

Instrument :
MSVOA_N
ClientSampleId :
P001-BBDGA-003-01

Tgt Ion: 75 Resp: 67645
Ion Ratio Lower Upper
75 100
77 1.1 83.7 251.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 61.858 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN086155.D
Acq: 28 Mar 2025 17:06

Tgt Ion: 75 Resp: 67645
Ion Ratio Lower Upper
75 100
53 0.1 66.0 99.0#
89 0.0 36.9 55.3#

