

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032825\
 Data File : VN086162.D
 Acq On : 28 Mar 2025 19:54
 Operator : JC\MD
 Sample : Q1664-04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 P001-BBDGA-001-01

Quant Time: Mar 28 23:40:24 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)

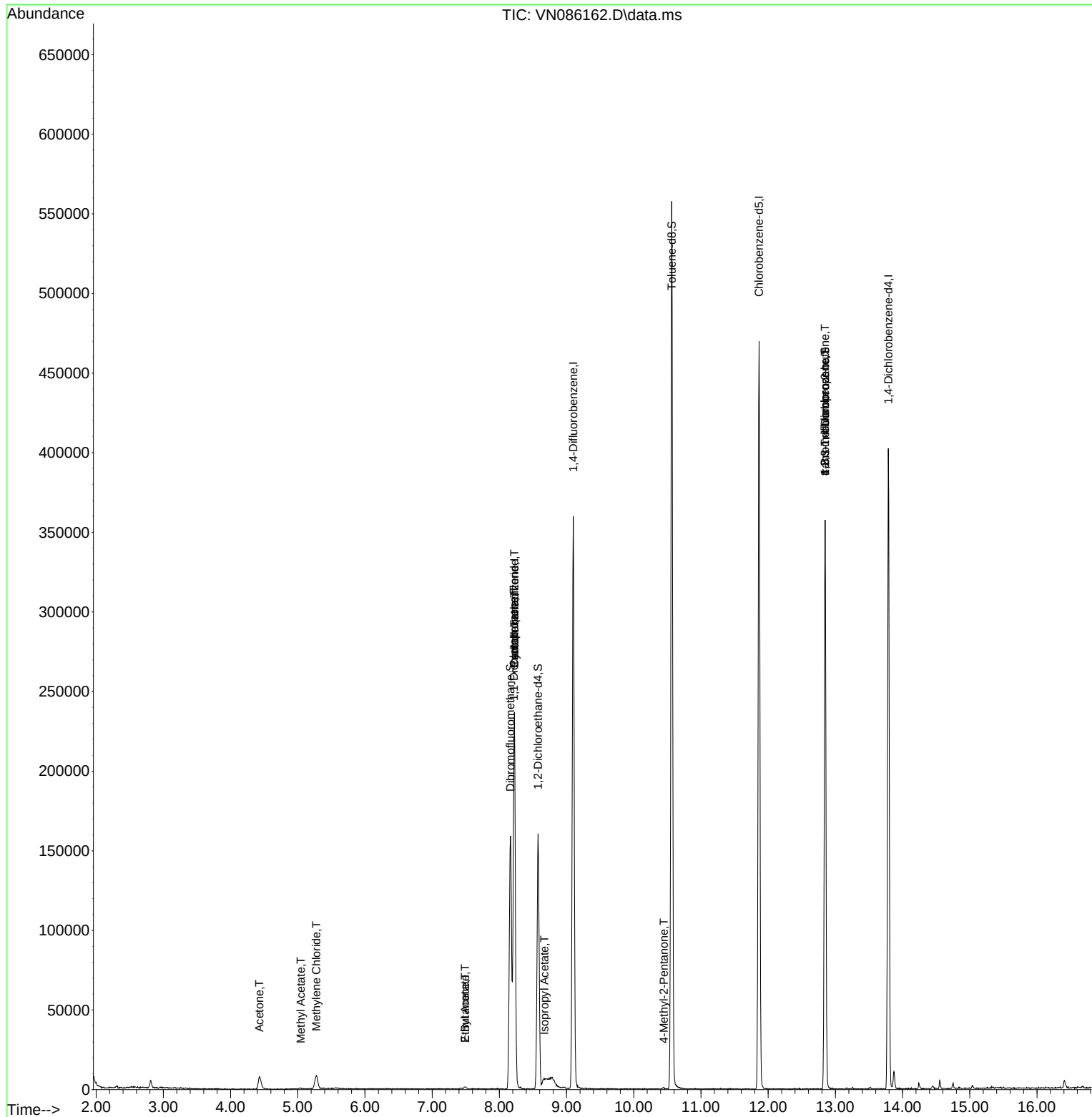
Internal Standards						
1) Pentafluorobenzene	8.224	168	168040	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	312295	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	285241	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	115525	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	132166	57.438	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 114.880%			
35) Dibromofluoromethane	8.165	113	116532	53.460	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 106.920%			
50) Toluene-d8	10.565	98	387699	49.007	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 98.020%			
62) 4-Bromofluorobenzene	12.847	95	126402	44.802	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 89.600%			
Target Compounds					Qvalue	
16) Acetone	4.430	43	15994	22.751	ug/l	97
18) Methyl Acetate	5.047	43	834	0.479	ug/l #	45
20) Methylene Chloride	5.277	84	7345	3.572	ug/l	95
25) 2-Butanone	7.488	43	2387	2.353	ug/l #	69
31) Cyclohexane	8.224	56	3900	1.360	ug/l #	8
36) 1,1-Dichloropropene	8.218	75	13444	4.684	ug/l #	48
37) Ethyl Acetate	7.488	43	2387	0.986	ug/l #	64
38) Carbon Tetrachloride	8.224	117	17908	4.745	ug/l #	16
43) Isopropyl Acetate	8.671	43	4288	0.817	ug/l #	50
51) 4-Methyl-2-Pentanone	10.447	43	1035	0.447	ug/l #	59
76) 1,2,3-Trichloropropane	12.847	75	61895	23.931	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	61895	63.270	ug/l #	16

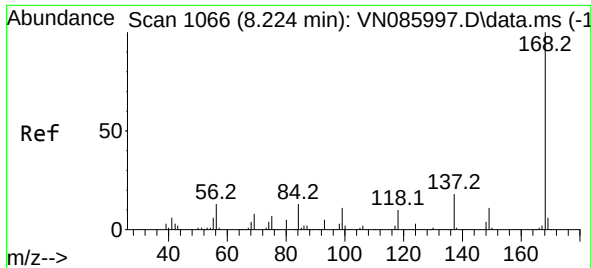
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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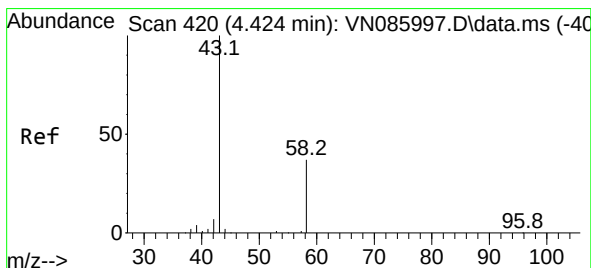
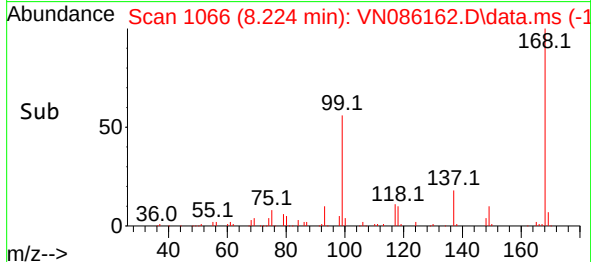
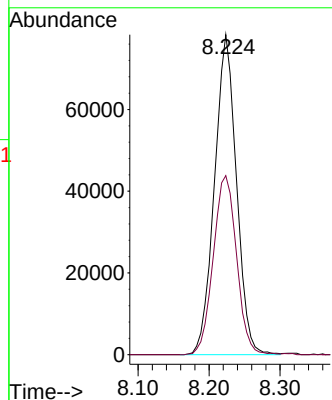
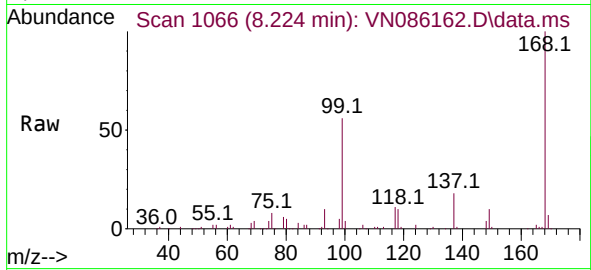




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN086162.D
Acq: 28 Mar 2025 19:54

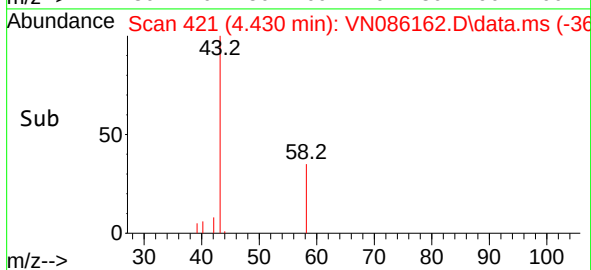
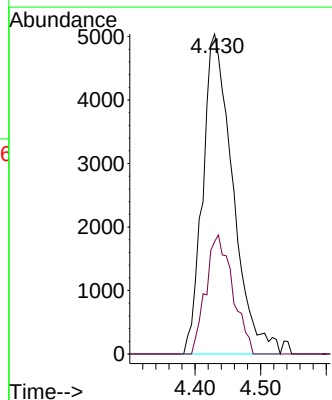
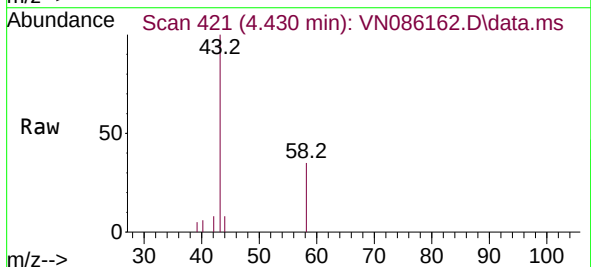
Instrument :
MSVOA_N
ClientSampleId :
P001-BBDGA-001-01

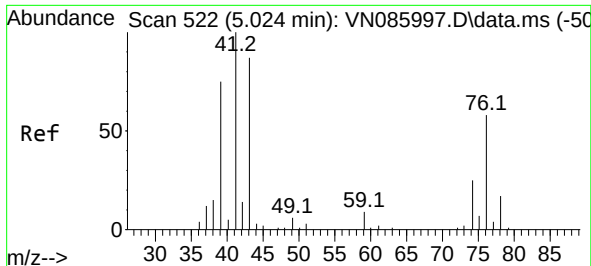
Tgt Ion:168 Resp: 168040
Ion Ratio Lower Upper
168 100
99 55.9 49.4 74.2



#16
Acetone
Concen: 22.751 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN086162.D
Acq: 28 Mar 2025 19:54

Tgt Ion: 43 Resp: 15994
Ion Ratio Lower Upper
43 100
58 35.1 29.4 44.2

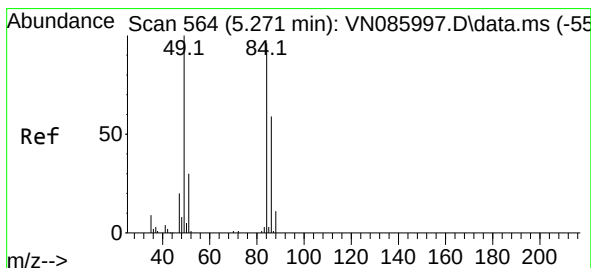
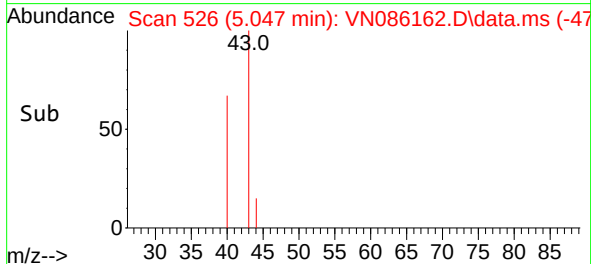
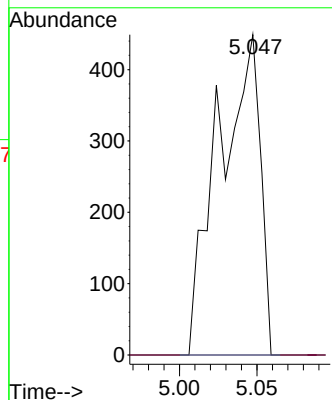
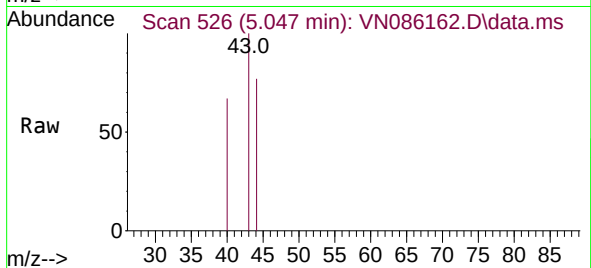




#18
Methyl Acetate
Concen: 0.479 ug/l
RT: 5.047 min Scan# 51
Delta R.T. 0.023 min
Lab File: VN086162.D
Acq: 28 Mar 2025 19:54

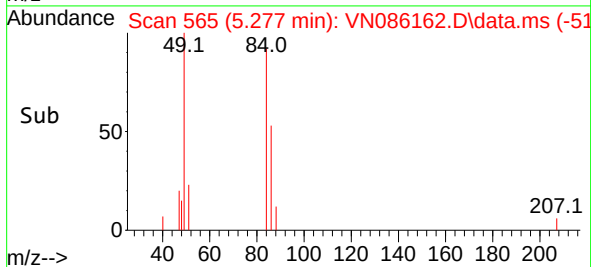
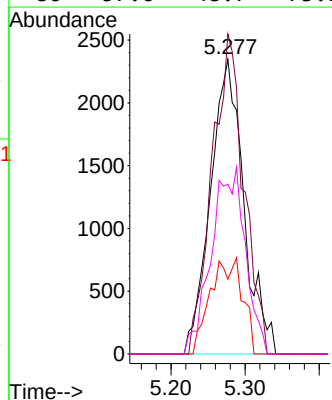
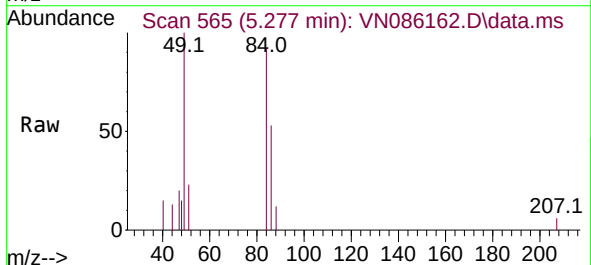
Instrument :
MSVOA_N
ClientSampleId :
P001-BBDGA-001-01

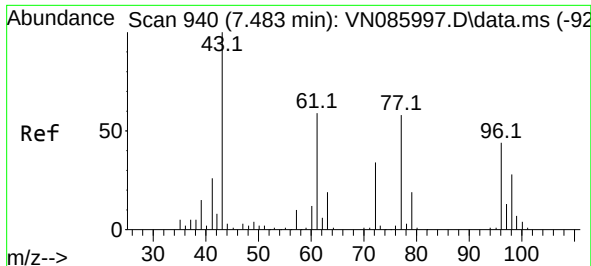
Tgt Ion: 43 Resp: 834
Ion Ratio Lower Upper
43 100
74 0.0 23.9 35.9#



#20
Methylene Chloride
Concen: 3.572 ug/l
RT: 5.277 min Scan# 565
Delta R.T. 0.006 min
Lab File: VN086162.D
Acq: 28 Mar 2025 19:54

Tgt Ion: 84 Resp: 7345
Ion Ratio Lower Upper
84 100
49 108.6 83.3 124.9
51 25.4 24.8 37.2
86 57.6 48.7 73.1

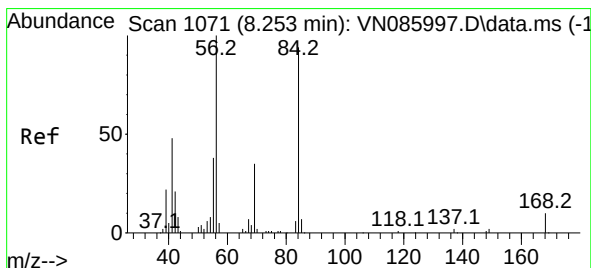
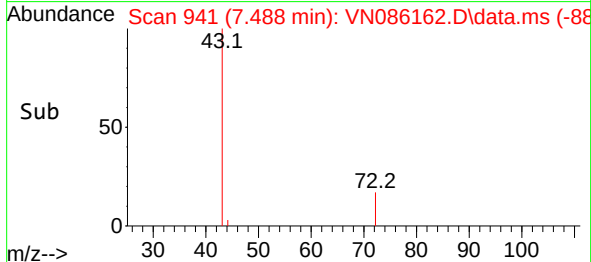
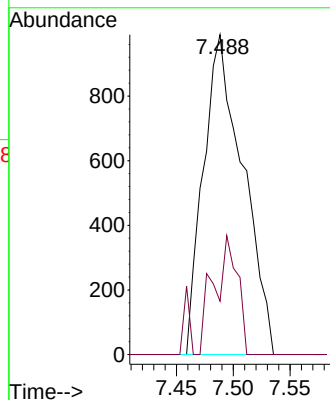
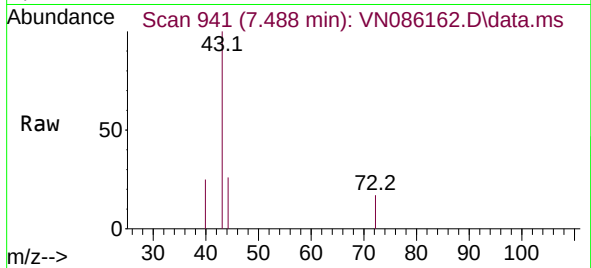




#25
2-Butanone
Concen: 2.353 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN086162.D
Acq: 28 Mar 2025 19:54

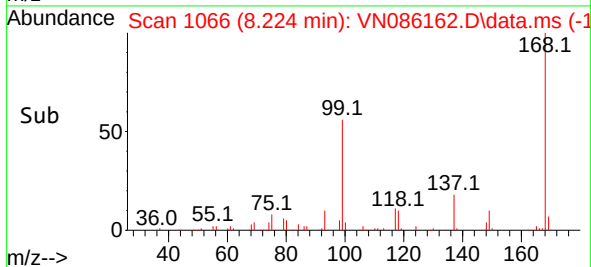
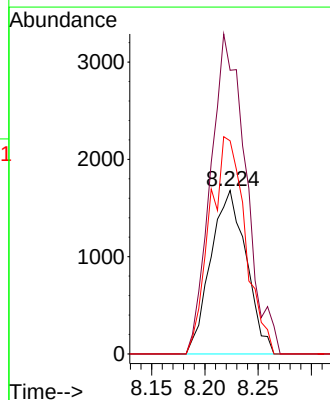
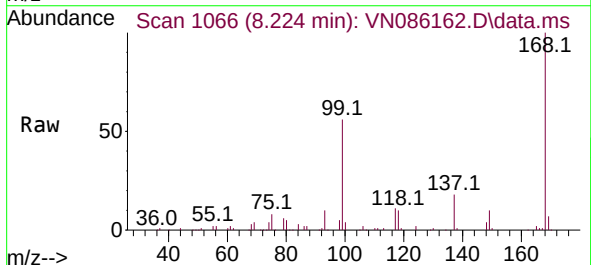
Instrument :
MSVOA_N
ClientSampleId :
P001-BBDGA-001-01

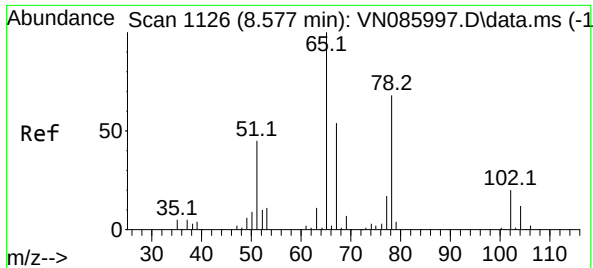
Tgt Ion: 43 Resp: 2387
Ion Ratio Lower Upper
43 100
72 16.7 27.4 41.0#



#31
Cyclohexane
Concen: 1.360 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.030 min
Lab File: VN086162.D
Acq: 28 Mar 2025 19:54

Tgt Ion: 56 Resp: 3900
Ion Ratio Lower Upper
56 100
69 173.6 28.0 42.0#
84 130.4 75.0 112.6#

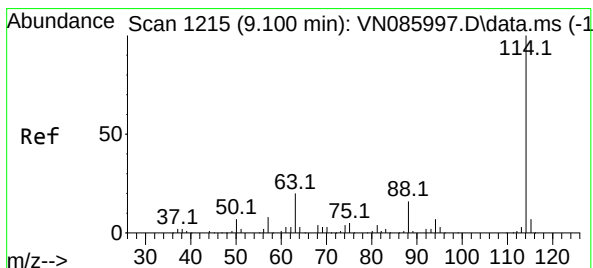
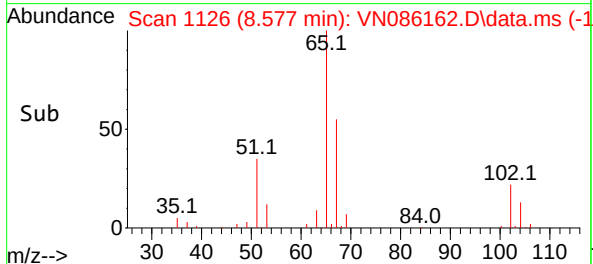
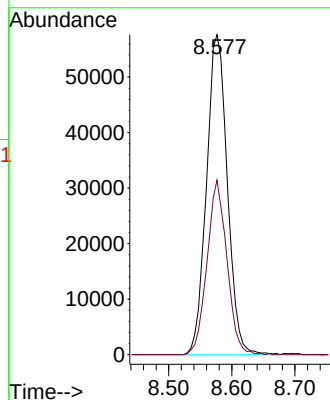
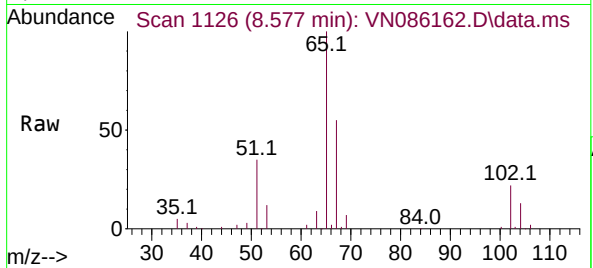




#33
 1,2-Dichloroethane-d4
 Concen: 57.438 ug/l
 RT: 8.577 min Scan# 1126
 Delta R.T. -0.000 min
 Lab File: VN086162.D
 Acq: 28 Mar 2025 19:54

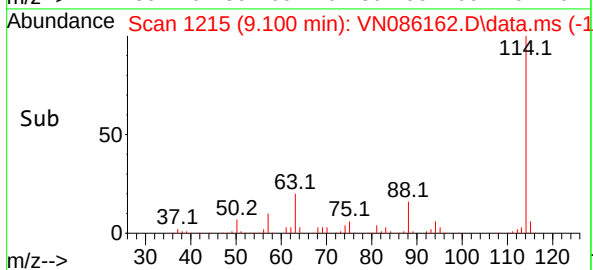
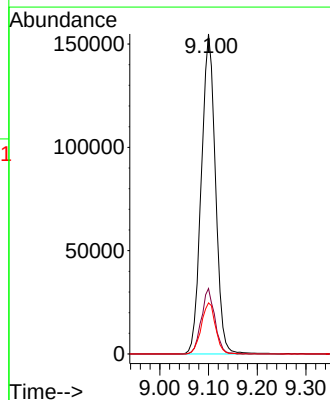
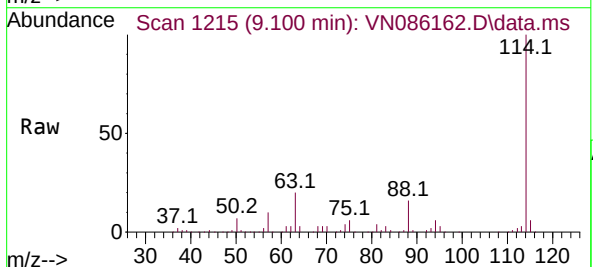
Instrument :
 MSVOA_N
 ClientSampleId :
 P001-BBDGA-001-01

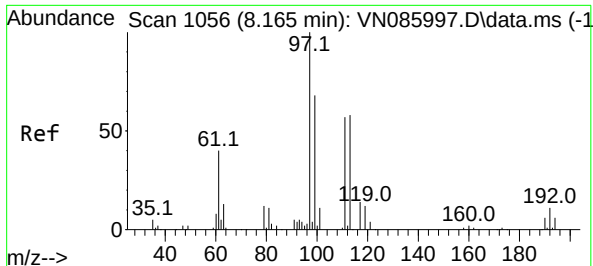
Tgt Ion: 65 Resp: 132166
 Ion Ratio Lower Upper
 65 100
 67 52.1 0.0 102.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 9.100 min Scan# 1215
 Delta R.T. -0.000 min
 Lab File: VN086162.D
 Acq: 28 Mar 2025 19:54

Tgt Ion: 114 Resp: 312295
 Ion Ratio Lower Upper
 114 100
 63 20.5 0.0 39.6
 88 16.0 0.0 32.6





#35

Dibromofluoromethane

Concen: 53.460 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.000 min

Lab File: VN086162.D

Acq: 28 Mar 2025 19:54

Instrument :

MSVOA_N

ClientSampleId :

P001-BBDGA-001-01

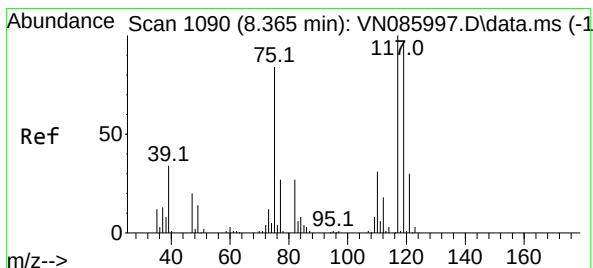
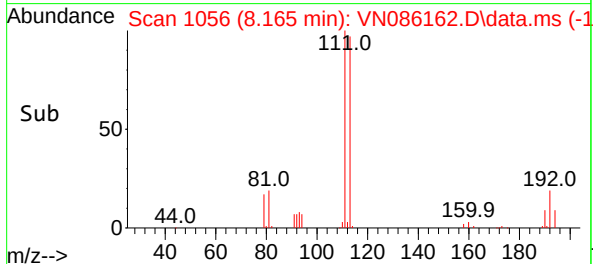
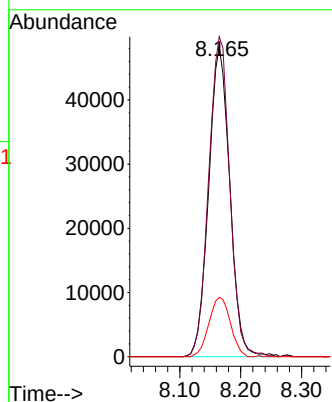
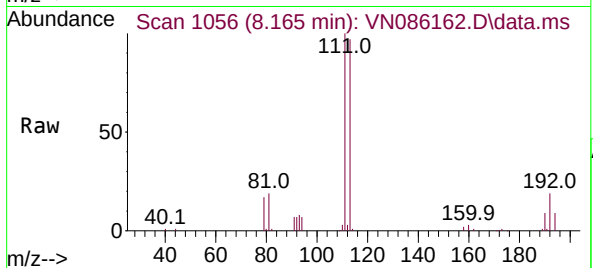
Tgt Ion:113 Resp: 116532

Ion Ratio Lower Upper

113 100

111 102.9 81.8 122.8

192 19.4 15.9 23.9



#36

1,1-Dichloropropene

Concen: 4.684 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.147 min

Lab File: VN086162.D

Acq: 28 Mar 2025 19:54

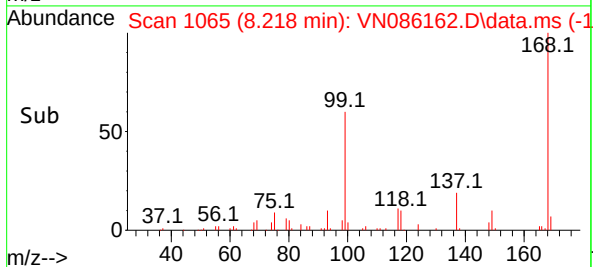
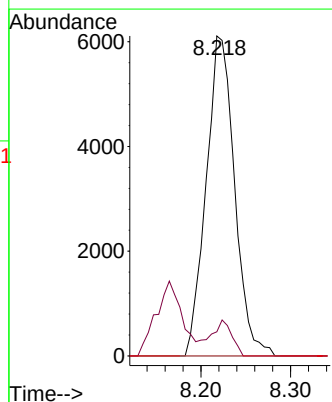
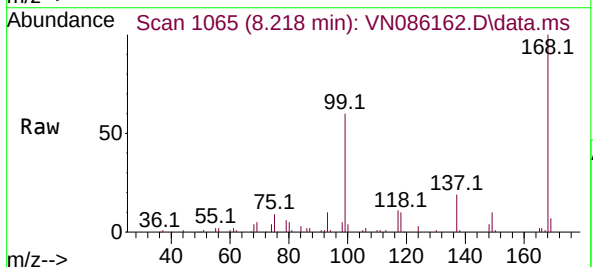
Tgt Ion: 75 Resp: 13444

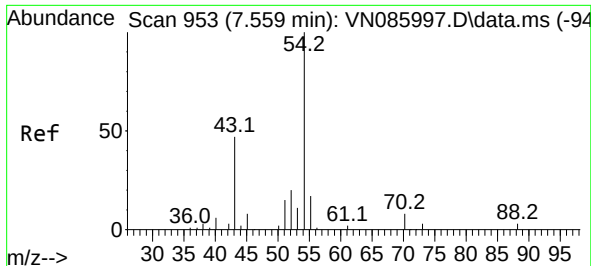
Ion Ratio Lower Upper

75 100

110 7.9 17.8 53.3#

77 0.0 25.0 37.4#





#37

Ethyl Acetate

Concen: 0.986 ug/l

RT: 7.488 min Scan# 941

Delta R.T. -0.071 min

Lab File: VN086162.D

Acq: 28 Mar 2025 19:54

Instrument :

MSVOA_N

ClientSampleId :

P001-BBDGA-001-01

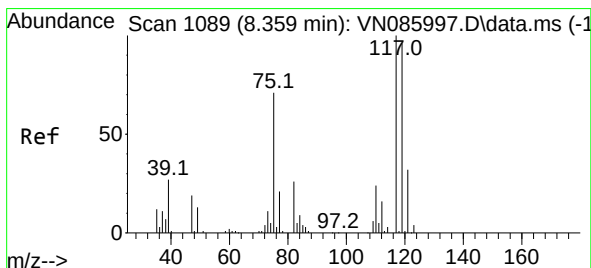
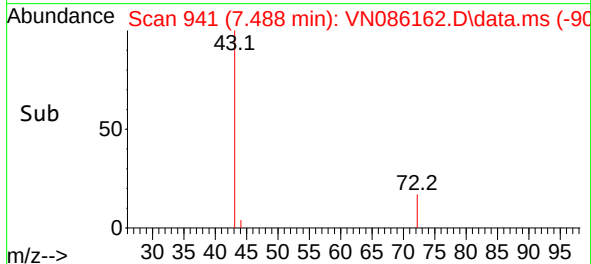
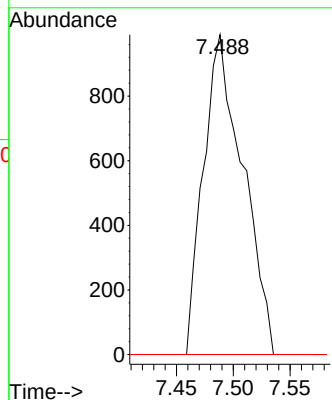
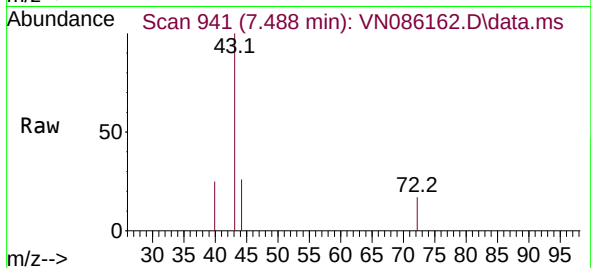
Tgt Ion: 43 Resp: 2387

Ion Ratio Lower Upper

43 100

61 0.0 13.0 19.4#

70 0.0 11.0 16.6#



#38

Carbon Tetrachloride

Concen: 4.745 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.136 min

Lab File: VN086162.D

Acq: 28 Mar 2025 19:54

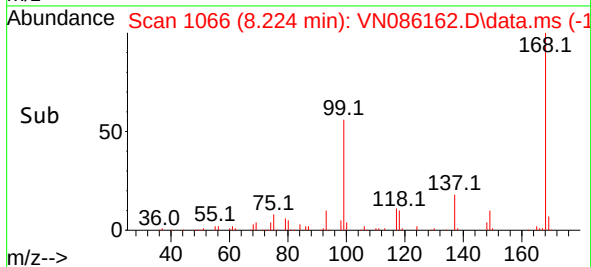
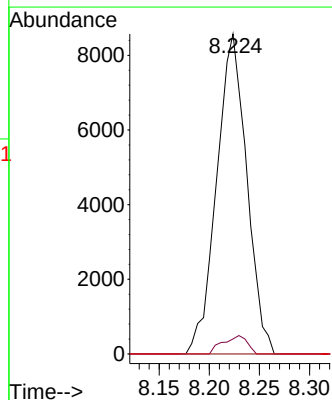
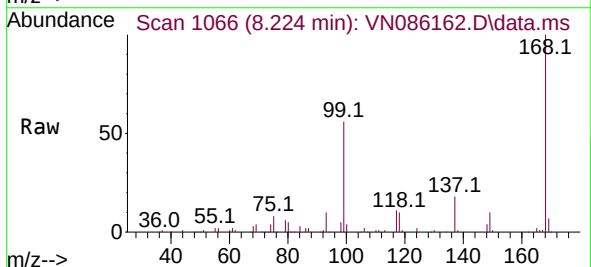
Tgt Ion: 117 Resp: 17908

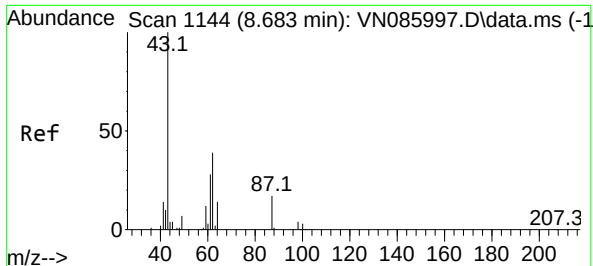
Ion Ratio Lower Upper

117 100

119 4.7 77.0 115.4#

121 0.0 25.6 38.4#





#43

Isopropyl Acetate

Concen: 0.817 ug/l

RT: 8.671 min Scan# 1144

Delta R.T. -0.012 min

Lab File: VN086162.D

Acq: 28 Mar 2025 19:54

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MSVOA_N

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P001-BBDGA-001-01

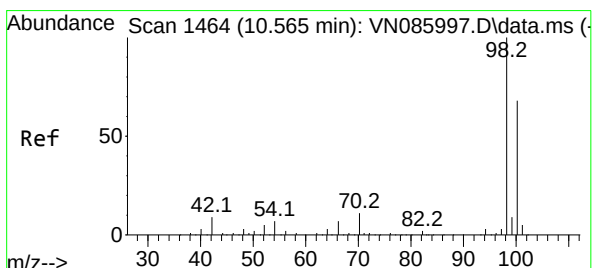
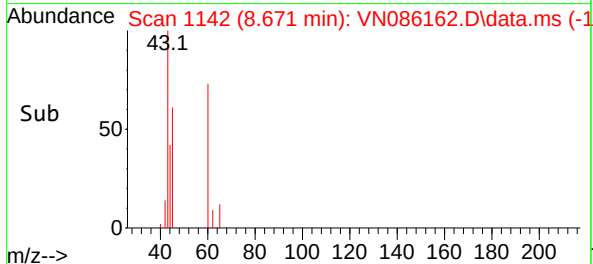
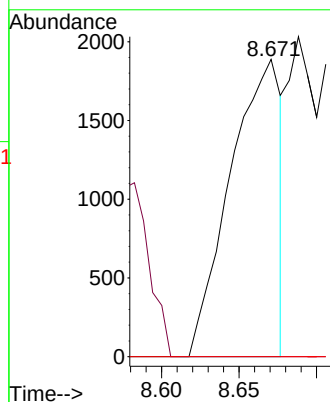
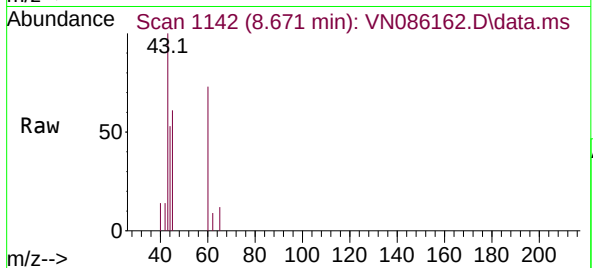
Tgt Ion: 43 Resp: 4288

Ion Ratio Lower Upper

43 100

61 0.0 25.0 37.6#

87 0.0 13.0 19.4#



#50

Toluene-d8

Concen: 49.007 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN086162.D

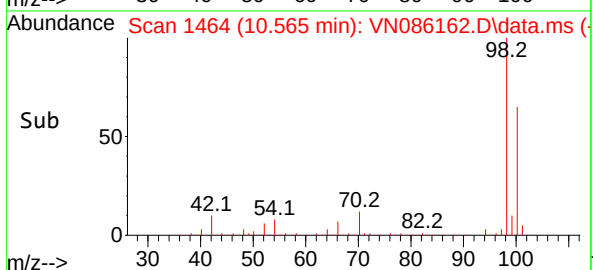
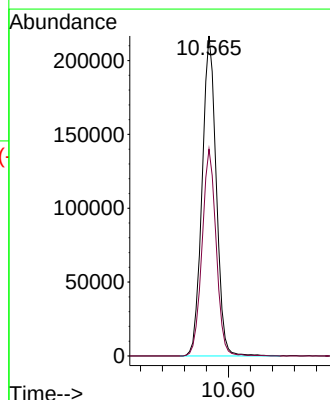
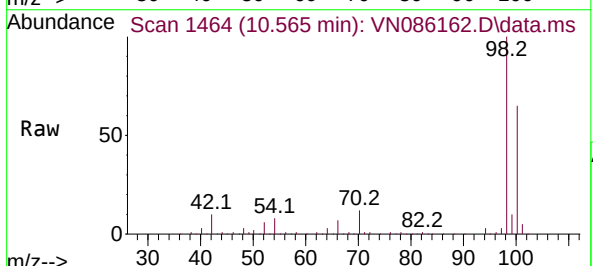
Acq: 28 Mar 2025 19:54

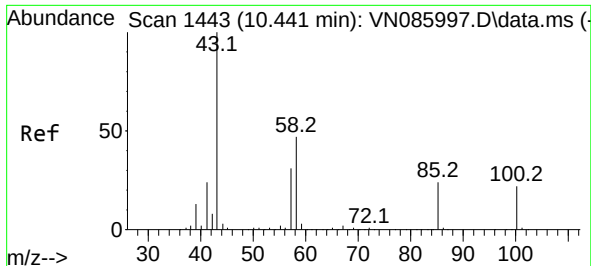
Tgt Ion: 98 Resp: 387699

Ion Ratio Lower Upper

98 100

100 64.4 53.1 79.7

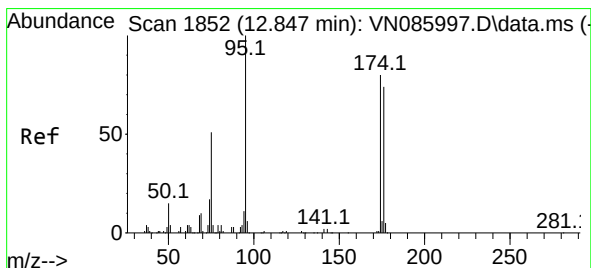
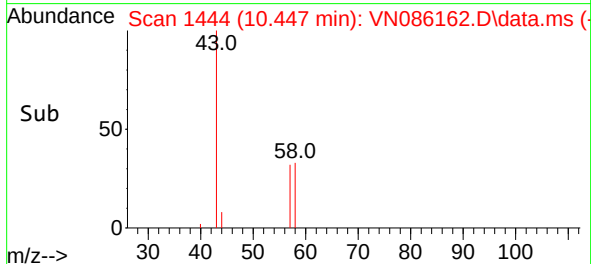
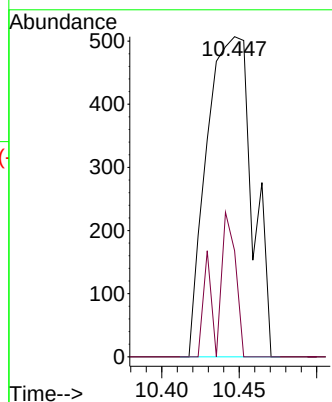
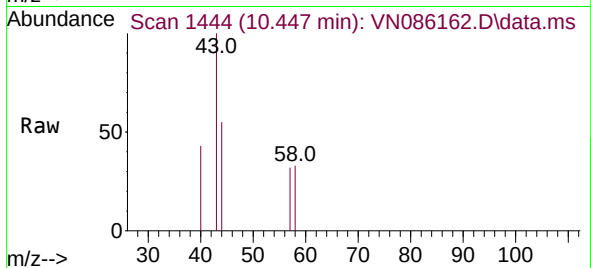




#51
4-Methyl-2-Pentanone
Concen: 0.447 ug/l
RT: 10.447 min Scan# 1443
Delta R.T. 0.006 min
Lab File: VN086162.D
Acq: 28 Mar 2025 19:54

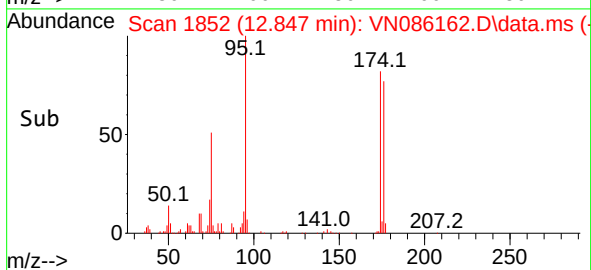
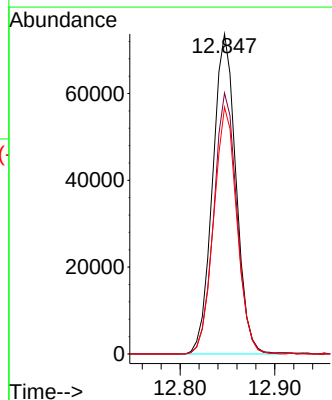
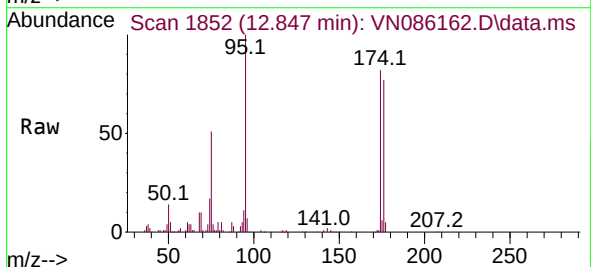
Instrument :
MSVOA_N
ClientSampleId :
P001-BBDGA-001-01

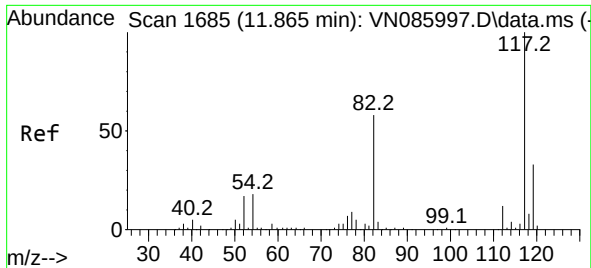
Tgt Ion: 43 Resp: 1035
Ion Ratio Lower Upper
43 100
58 19.2 37.4 56.0#



#62
4-Bromofluorobenzene
Concen: 44.802 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086162.D
Acq: 28 Mar 2025 19:54

Tgt Ion: 95 Resp: 126402
Ion Ratio Lower Upper
95 100
174 80.9 0.0 156.8
176 76.7 0.0 152.2

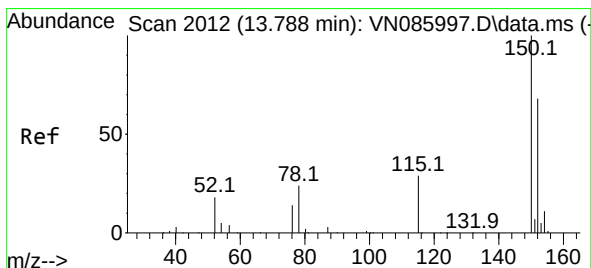
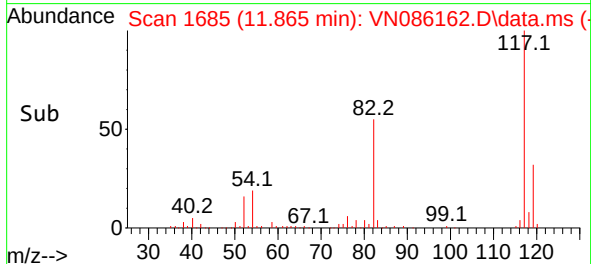
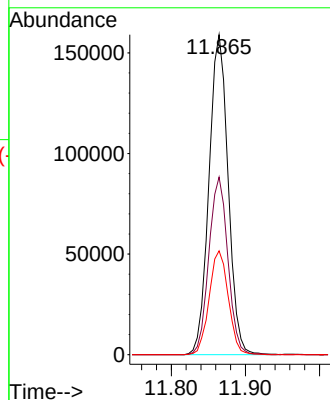
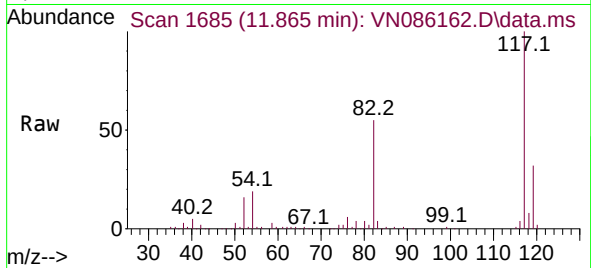




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN086162.D
Acq: 28 Mar 2025 19:54

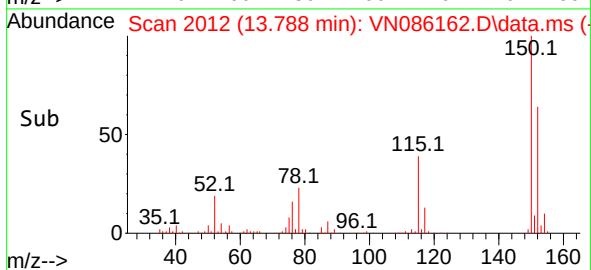
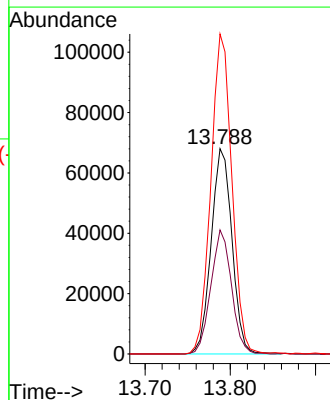
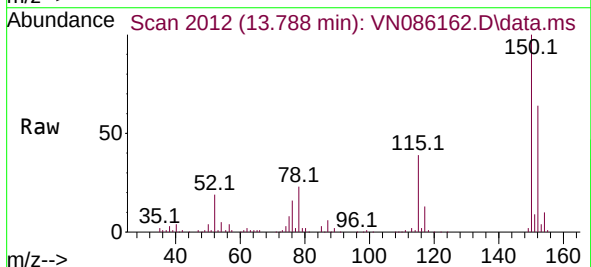
Instrument :
MSVOA_N
ClientSampleId :
P001-BBDGA-001-01

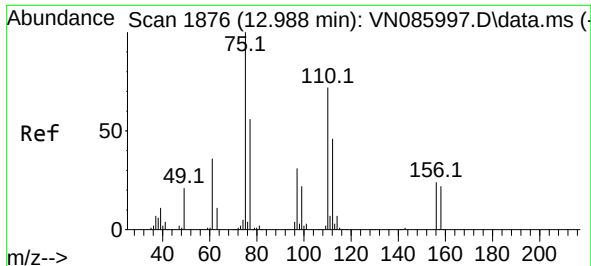
Tgt Ion:117 Resp: 285241
Ion Ratio Lower Upper
117 100
82 55.5 46.7 70.1
119 32.4 26.5 39.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN086162.D
Acq: 28 Mar 2025 19:54

Tgt Ion:152 Resp: 115525
Ion Ratio Lower Upper
152 100
115 59.7 31.1 93.2
150 156.9 0.0 359.6

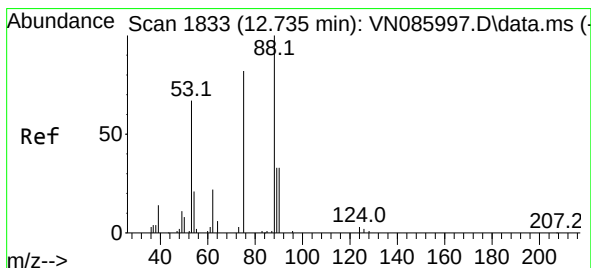
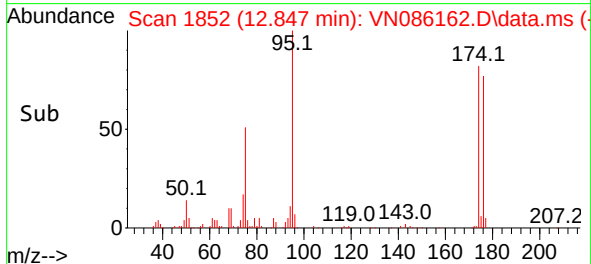
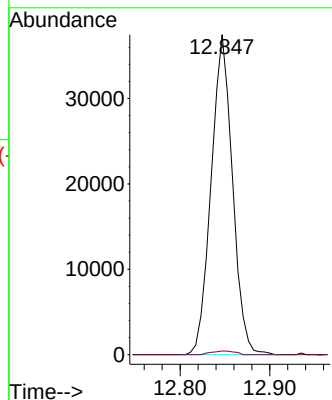
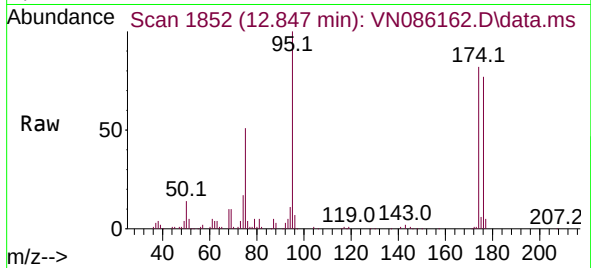




#76
1,2,3-Trichloropropane
Concen: 23.931 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.141 min
Lab File: VN086162.D
Acq: 28 Mar 2025 19:54

Instrument :
MSVOA_N
ClientSampleId :
P001-BBDGA-001-01

Tgt Ion: 75 Resp: 61895
Ion Ratio Lower Upper
75 100
77 1.3 83.7 251.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 63.270 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN086162.D
Acq: 28 Mar 2025 19:54

Tgt Ion: 75 Resp: 61895
Ion Ratio Lower Upper
75 100
53 0.3 66.0 99.0#
89 0.0 36.9 55.3#

