

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN032825\
 Data File : VN086157.D
 Acq On : 28 Mar 2025 17:54
 Operator : JC\MD
 Sample : Q1664-16
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 P001-BBDGA-005-01

Quant Time: Mar 28 23:39:24 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)

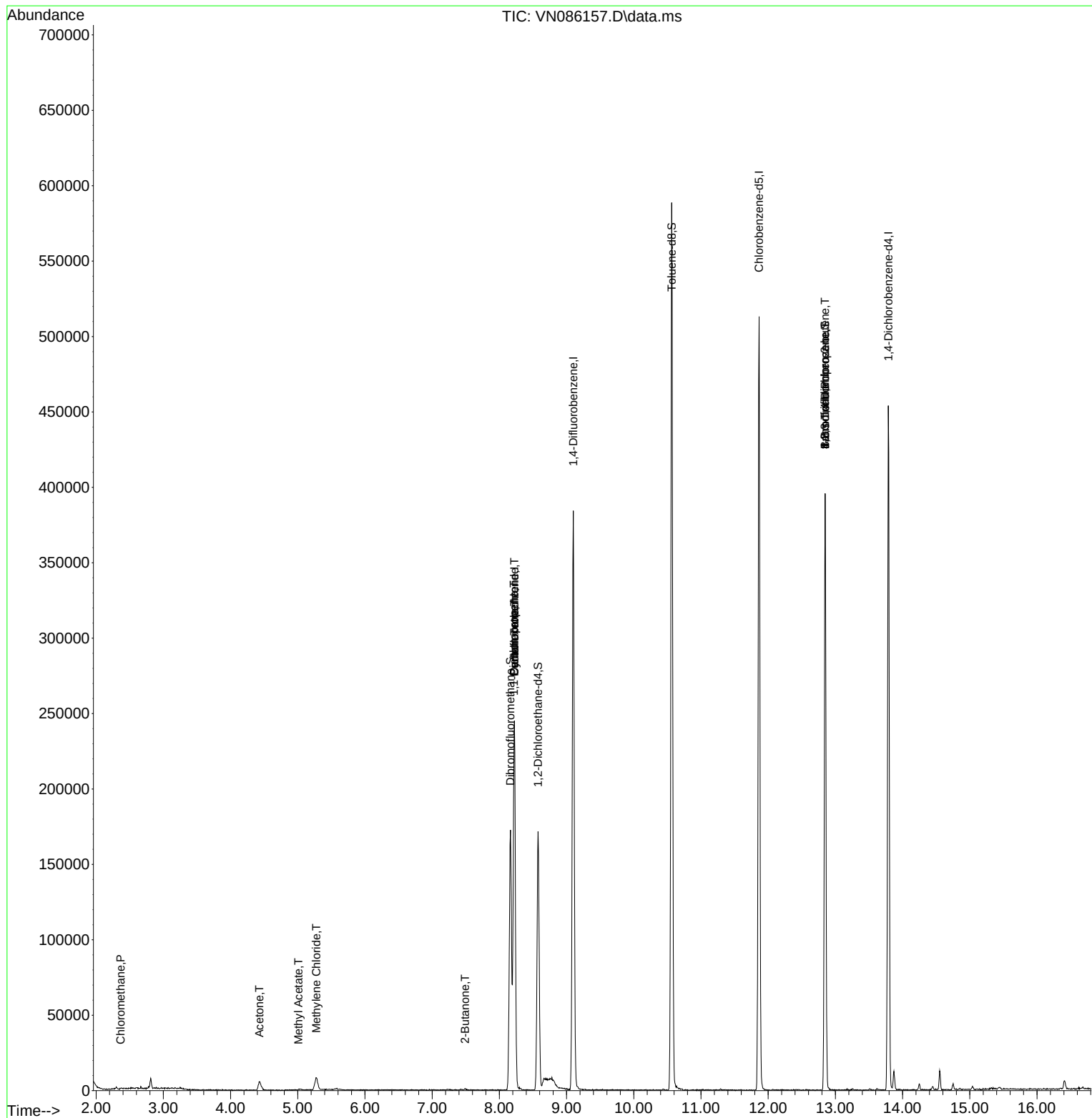
Internal Standards						
1) Pentafluorobenzene	8.224	168	178122	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	334940	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	306507	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	131137	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	139783	57.309	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	114.620%
35) Dibromofluoromethane	8.165	113	123503	52.828	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	105.660%
50) Toluene-d8	10.565	98	415768	49.002	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	98.000%
62) 4-Bromofluorobenzene	12.847	95	137224	45.350	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	90.700%
Target Compounds						
					Qvalue	
3) Chloromethane	2.365	50	597	0.289	ug/l #	42
16) Acetone	4.430	43	11107	14.905	ug/l #	87
18) Methyl Acetate	5.012	43	584	0.317	ug/l #	45
20) Methylene Chloride	5.277	84	7206	3.306	ug/l #	93
25) 2-Butanone	7.488	43	1314	1.222	ug/l #	40
31) Cyclohexane	8.224	56	3876	1.275	ug/l #	1
36) 1,1-Dichloropropene	8.218	75	14568	4.732	ug/l #	48
38) Carbon Tetrachloride	8.224	117	18559	4.585	ug/l #	17
71) Bromoform	12.847	173	1233	0.566	ug/l #	1
76) 1,2,3-Trichloropropane	12.847	75	68061	23.182	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	68061	61.290	ug/l #	16

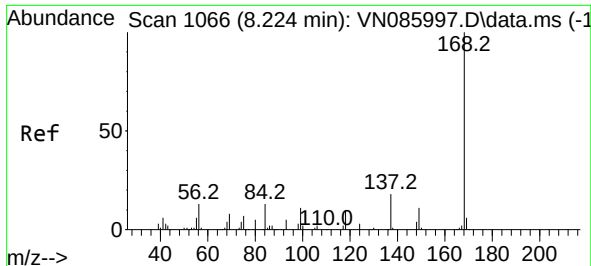
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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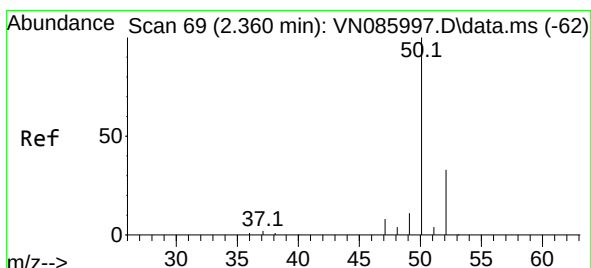
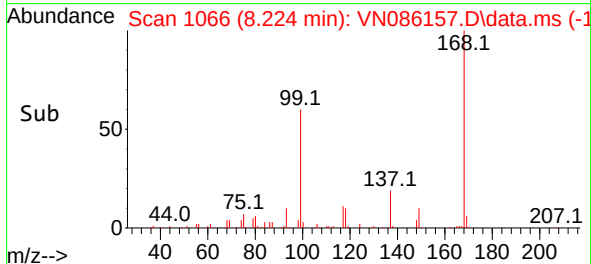
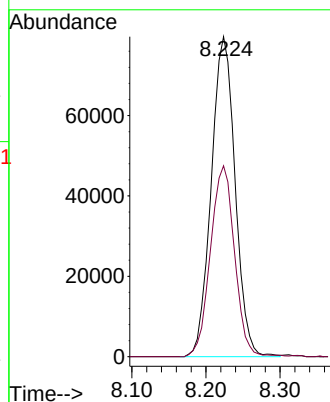
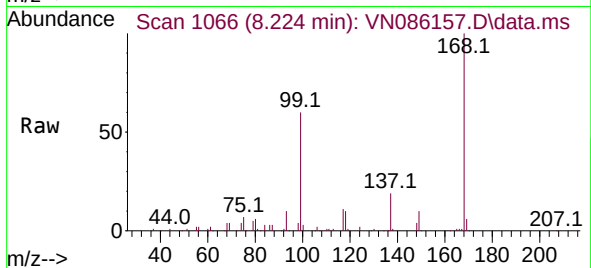




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086157.D
Acq: 28 Mar 2025 17:54

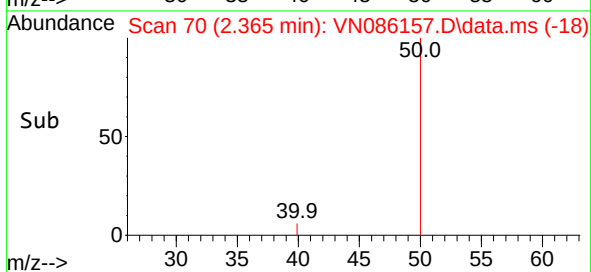
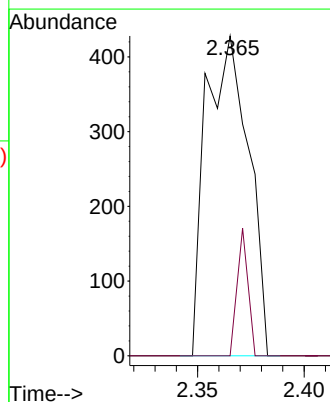
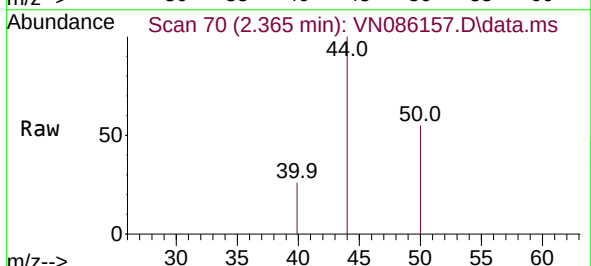
Instrument :
MSVOA_N
ClientSampleId :
P001-BBDGA-005-01

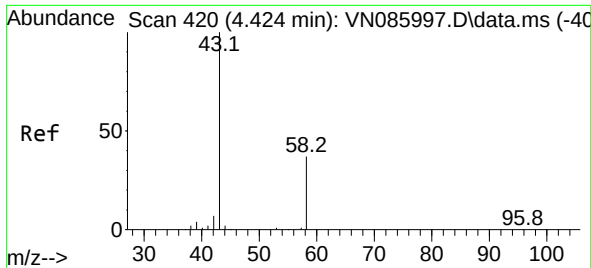
Tgt Ion:168 Resp: 178122
Ion Ratio Lower Upper
168 100
99 59.6 49.4 74.2



#3
Chloromethane
Concen: 0.289 ug/l
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN086157.D
Acq: 28 Mar 2025 17:54

Tgt Ion: 50 Resp: 597
Ion Ratio Lower Upper
50 100
52 0.0 26.0 39.0#

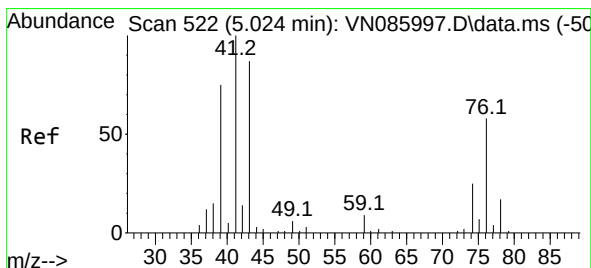
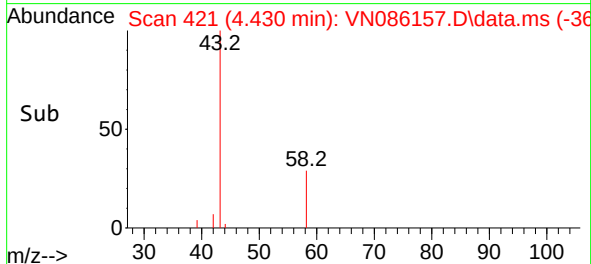
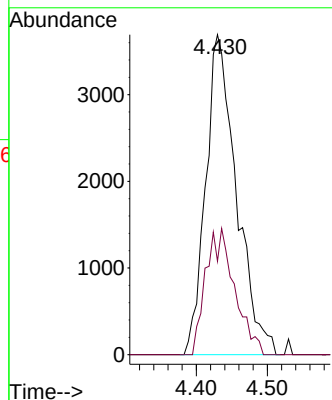
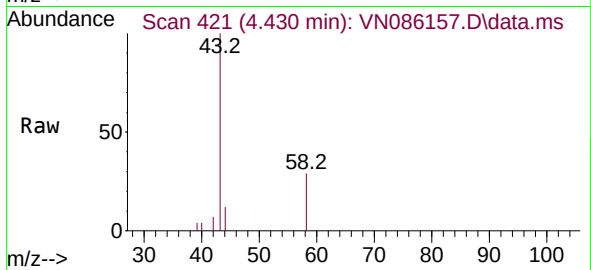




#16
Acetone
Concen: 14.905 ug/l
RT: 4.430 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN086157.D
Acq: 28 Mar 2025 17:54

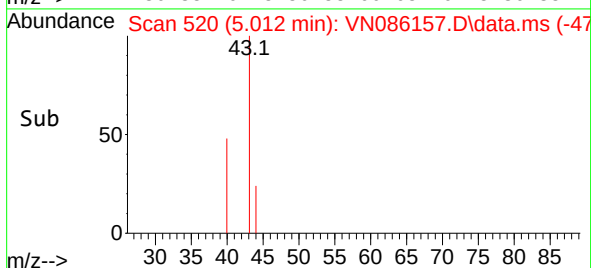
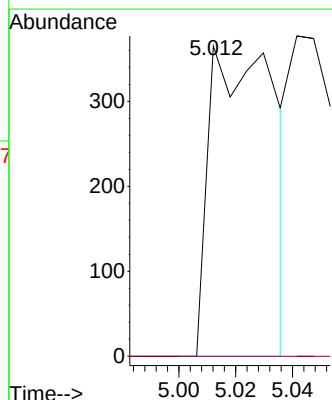
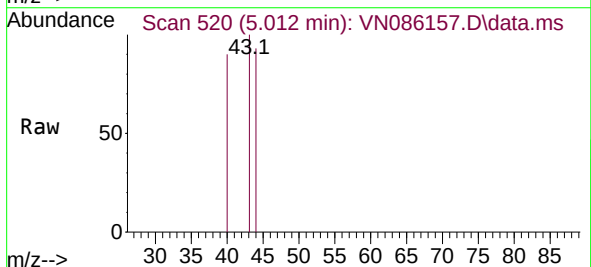
Instrument :
MSVOA_N
ClientSampleId :
P001-BBDGA-005-01

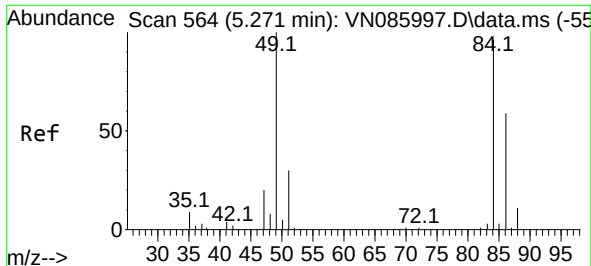
Tgt Ion: 43 Resp: 11107
Ion Ratio Lower Upper
43 100
58 29.2 29.4 44.2#



#18
Methyl Acetate
Concen: 0.317 ug/l
RT: 5.012 min Scan# 520
Delta R.T. -0.012 min
Lab File: VN086157.D
Acq: 28 Mar 2025 17:54

Tgt Ion: 43 Resp: 584
Ion Ratio Lower Upper
43 100
74 0.0 23.9 35.9#

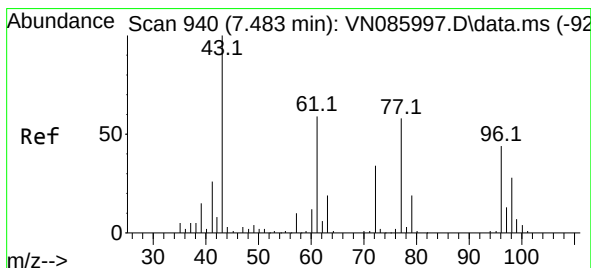
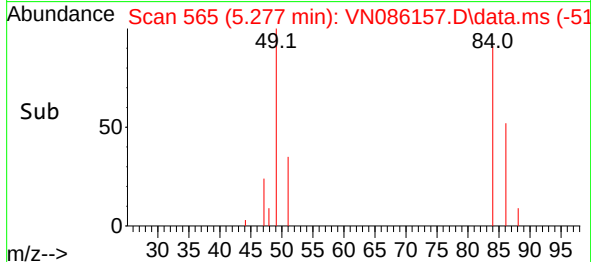
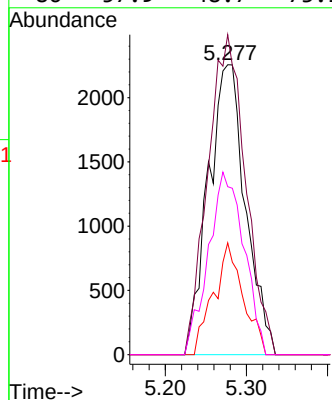
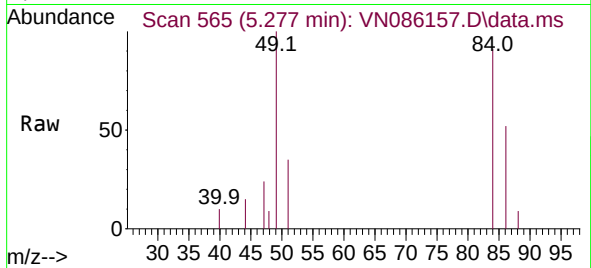




#20
Methylene Chloride
Concen: 3.306 ug/l
RT: 5.277 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN086157.D
Acq: 28 Mar 2025 17:54

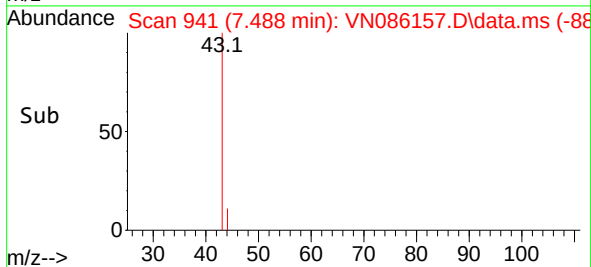
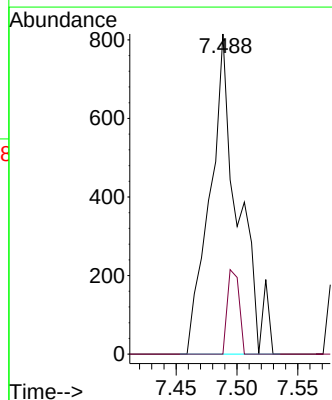
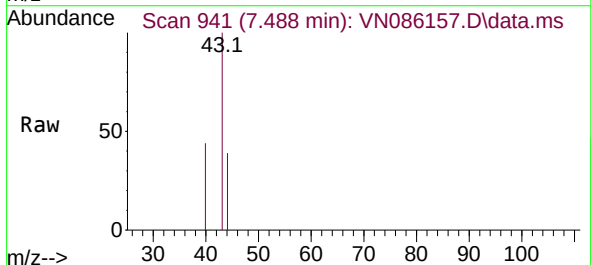
Instrument :
MSVOA_N
ClientSampleId :
P001-BBDGA-005-01

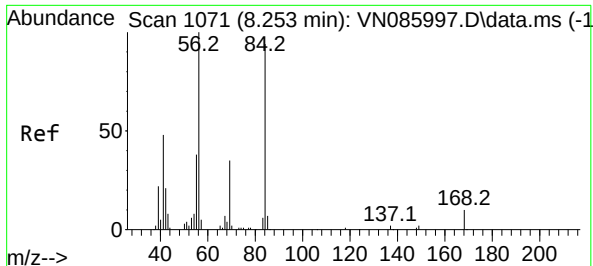
Tgt Ion:	84	Resp:	7206
Ion	Ratio	Lower	Upper
84	100		
49	110.4	83.3	124.9
51	38.6	24.8	37.2#
86	57.9	48.7	73.1



#25
2-Butanone
Concen: 1.222 ug/l
RT: 7.488 min Scan# 941
Delta R.T. 0.006 min
Lab File: VN086157.D
Acq: 28 Mar 2025 17:54

Tgt Ion:	43	Resp:	1314
Ion	Ratio	Lower	Upper
43	100		
72	0.0	27.4	41.0#

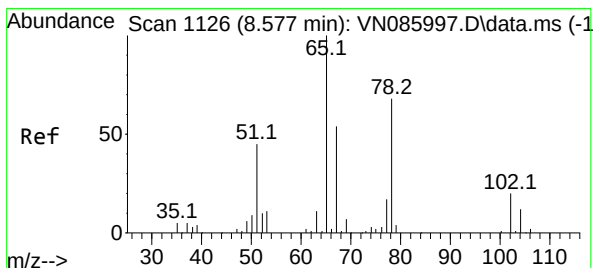
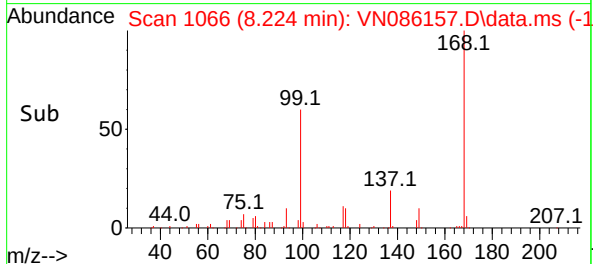
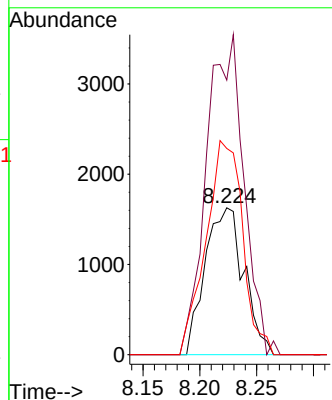
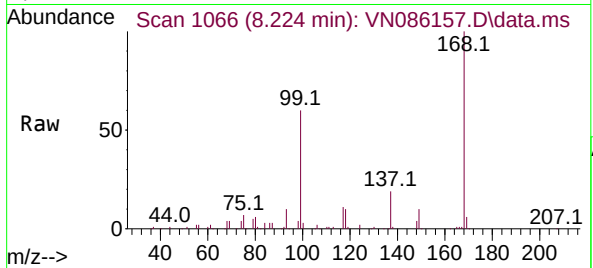




#31
Cyclohexane
Concen: 1.275 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.030 min
Lab File: VN086157.D
Acq: 28 Mar 2025 17:54

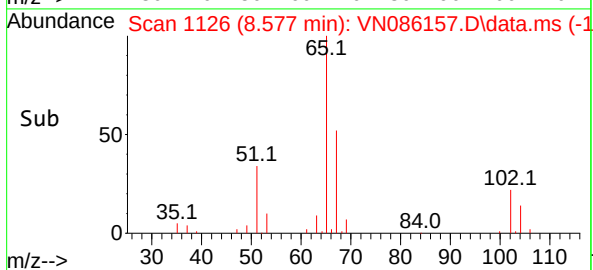
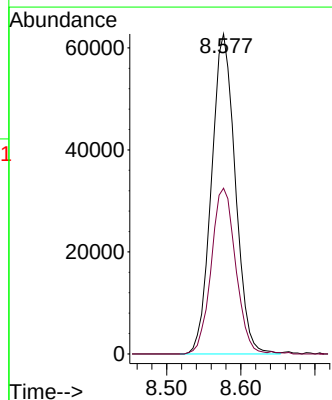
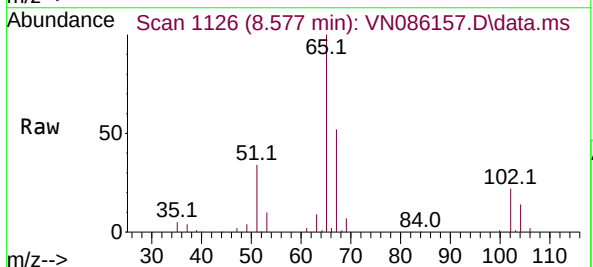
Instrument :
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ClientSampleId :
P001-BBDGA-005-01

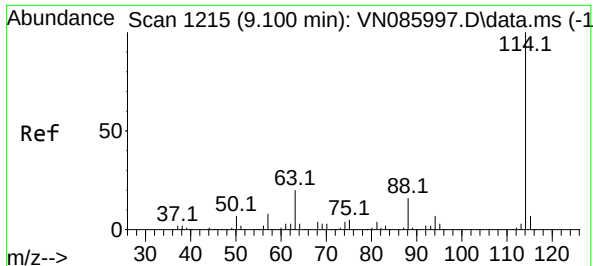
Tgt Ion: 56 Resp: 3876
Ion Ratio Lower Upper
56 100
69 186.9 28.0 42.0#
84 140.5 75.0 112.6#



#33
1,2-Dichloroethane-d4
Concen: 57.309 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN086157.D
Acq: 28 Mar 2025 17:54

Tgt Ion: 65 Resp: 139783
Ion Ratio Lower Upper
65 100
67 53.1 0.0 102.2

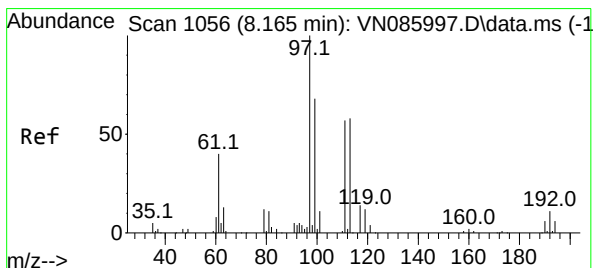
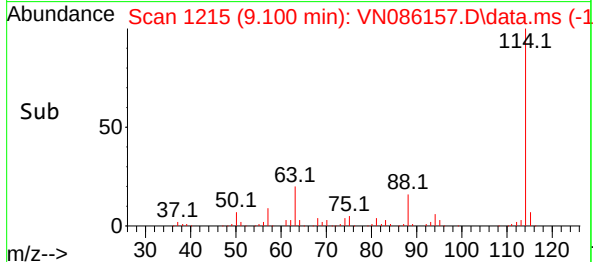
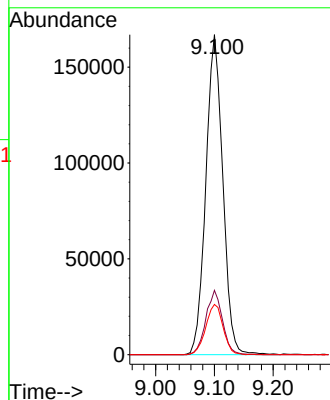
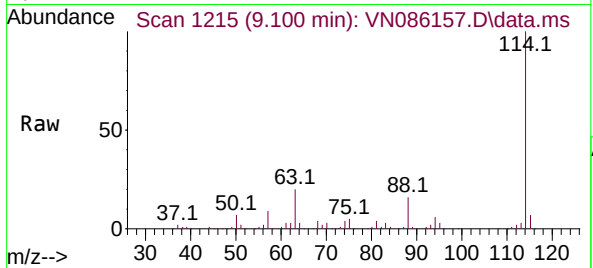




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN086157.D
Acq: 28 Mar 2025 17:54

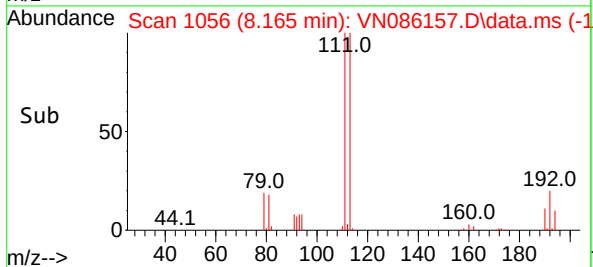
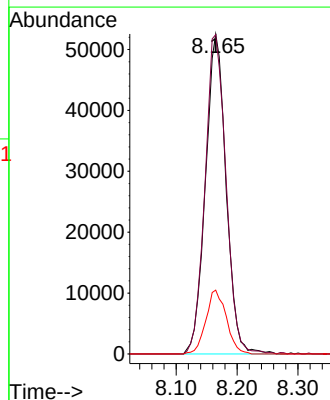
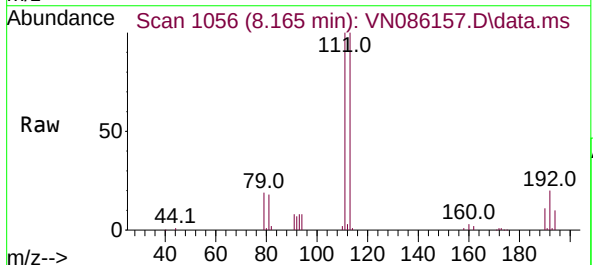
Instrument :
MSVOA_N
ClientSampleId :
P001-BBDGA-005-01

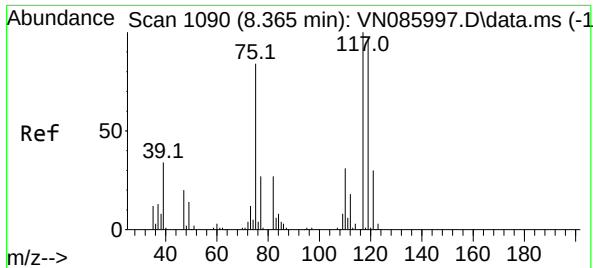
Tgt Ion:114 Resp: 334940
Ion Ratio Lower Upper
114 100
63 20.1 0.0 39.6
88 15.7 0.0 32.6



#35
Dibromofluoromethane
Concen: 52.828 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VN086157.D
Acq: 28 Mar 2025 17:54

Tgt Ion:113 Resp: 123503
Ion Ratio Lower Upper
113 100
111 101.7 81.8 122.8
192 19.8 15.9 23.9

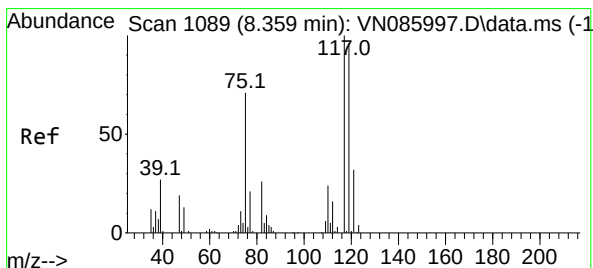
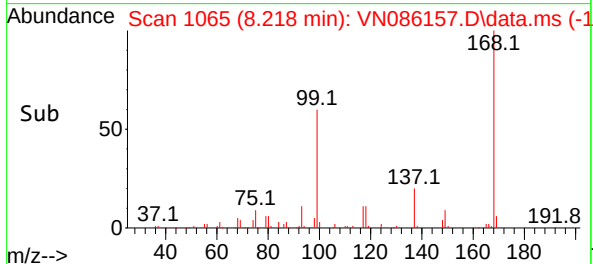
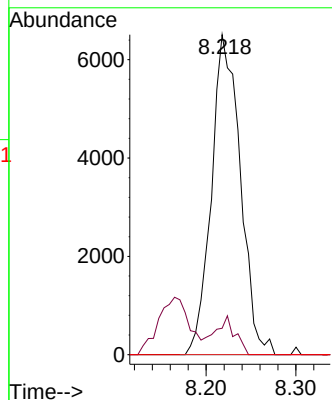
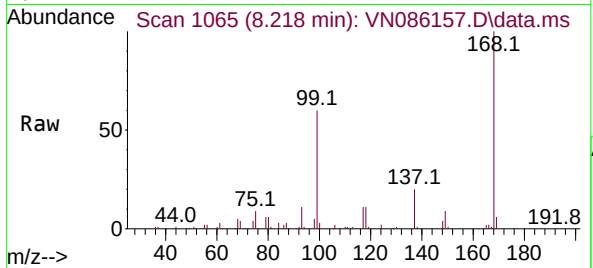




#36
 1,1-Dichloropropene
 Concen: 4.732 ug/l
 RT: 8.218 min Scan# 1065
 Delta R.T. -0.147 min
 Lab File: VN086157.D
 Acq: 28 Mar 2025 17:54

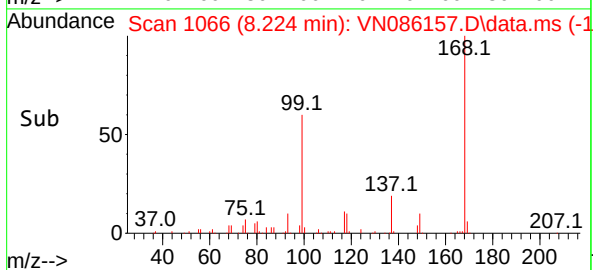
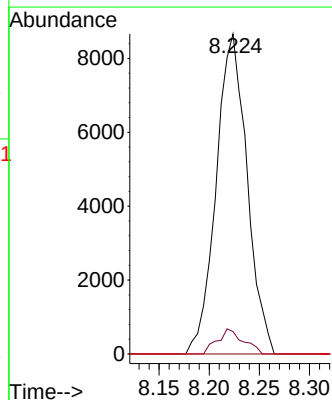
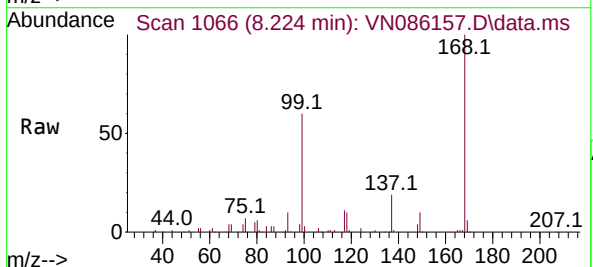
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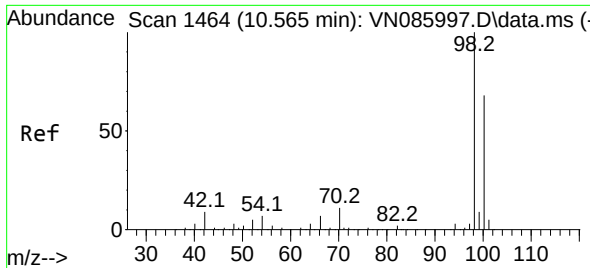
Tgt Ion: 75 Resp: 14568
 Ion Ratio Lower Upper
 75 100
 110 7.9 17.8 53.3#
 77 0.0 25.0 37.4#



#38
 Carbon Tetrachloride
 Concen: 4.585 ug/l
 RT: 8.224 min Scan# 1066
 Delta R.T. -0.135 min
 Lab File: VN086157.D
 Acq: 28 Mar 2025 17:54

Tgt Ion: 117 Resp: 18559
 Ion Ratio Lower Upper
 117 100
 119 7.0 77.0 115.4#
 121 0.0 25.6 38.4#

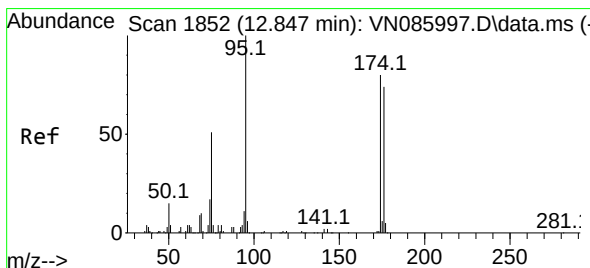
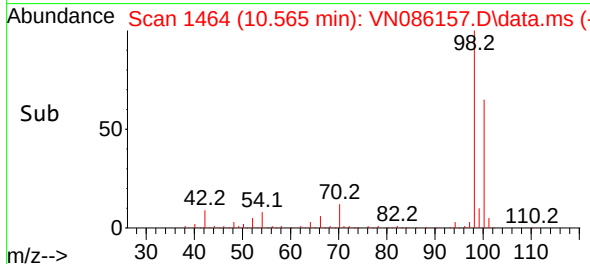
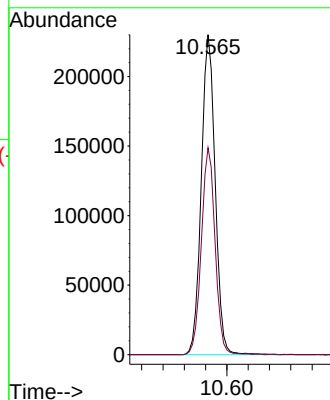
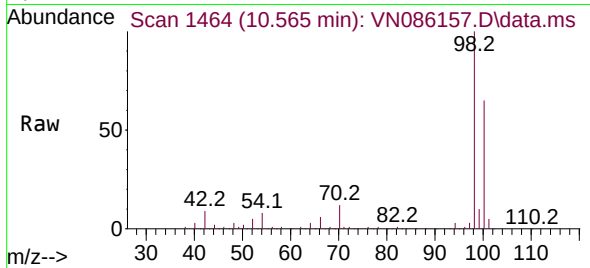




#50
Toluene-d8
Concen: 49.002 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN086157.D
Acq: 28 Mar 2025 17:54

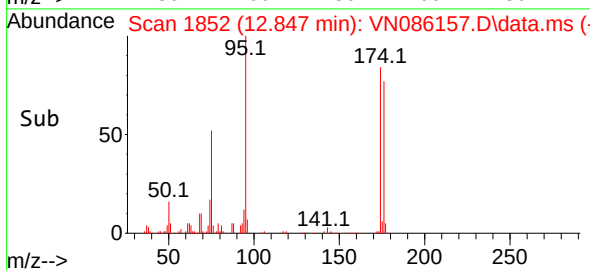
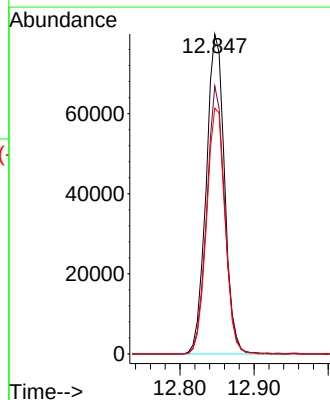
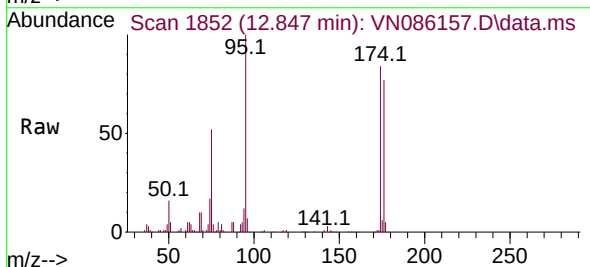
Instrument :
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P001-BBDGA-005-01

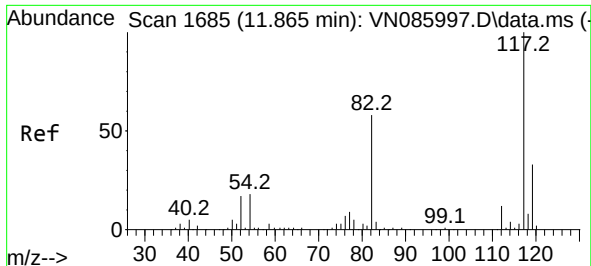
Tgt Ion: 98 Resp: 415768
Ion Ratio Lower Upper
98 100
100 64.0 53.1 79.7



#62
4-Bromofluorobenzene
Concen: 45.350 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086157.D
Acq: 28 Mar 2025 17:54

Tgt Ion: 95 Resp: 137224
Ion Ratio Lower Upper
95 100
174 82.1 0.0 156.8
176 77.5 0.0 152.2

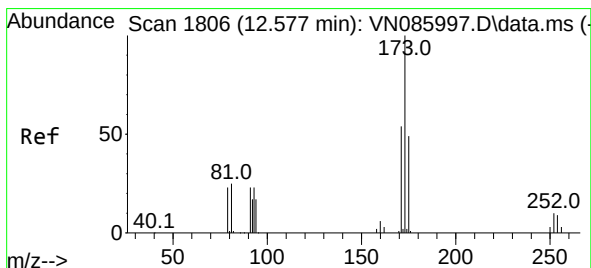
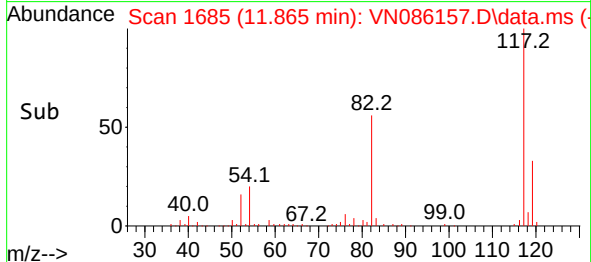
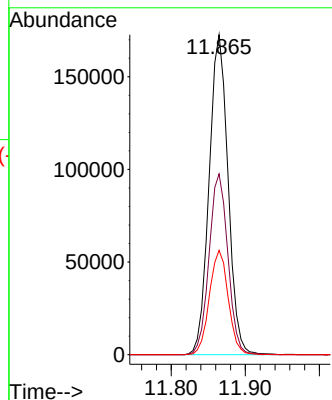
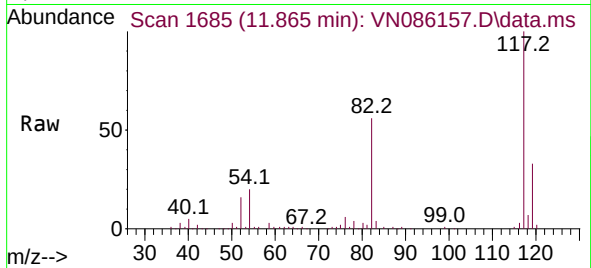




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN086157.D
Acq: 28 Mar 2025 17:54

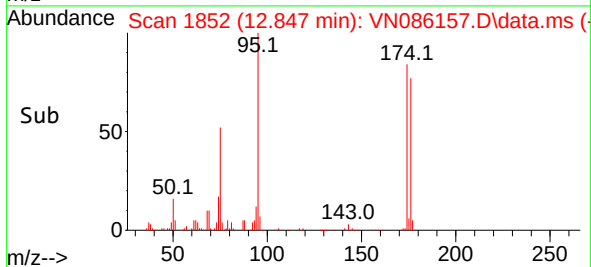
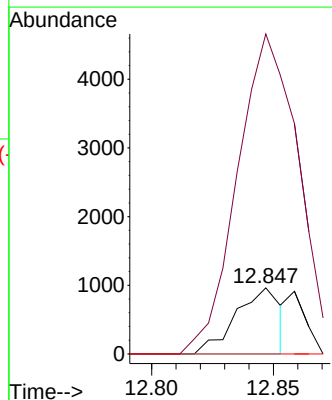
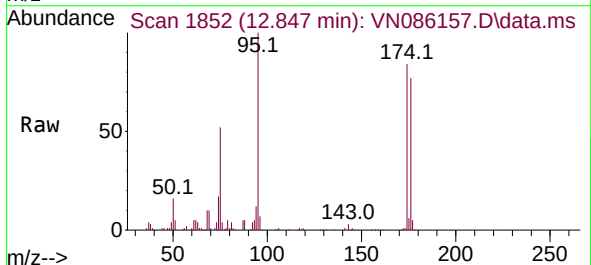
Instrument :
MSVOA_N
ClientSampleId :
P001-BBDGA-005-01

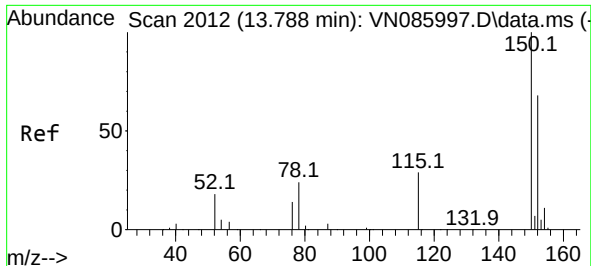
Tgt Ion:117 Resp: 306507
Ion Ratio Lower Upper
117 100
82 56.5 46.7 70.1
119 32.6 26.5 39.7



#71
Bromoform
Concen: 0.566 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.270 min
Lab File: VN086157.D
Acq: 28 Mar 2025 17:54

Tgt Ion:173 Resp: 1233
Ion Ratio Lower Upper
173 100
175 490.8 24.3 73.0#
254 0.0 0.0 0.0

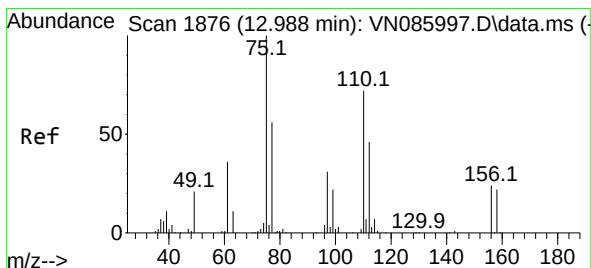
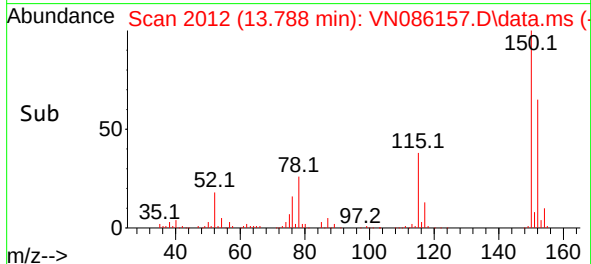
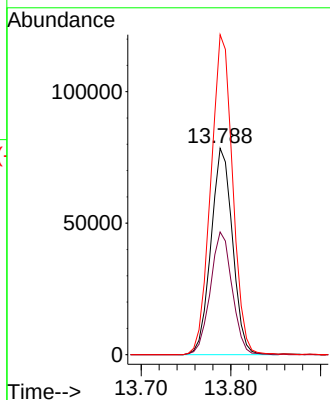
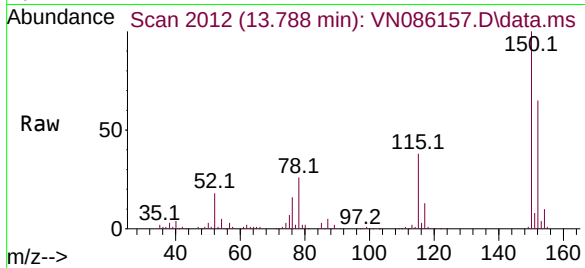




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.788 min Scan# 20
 Delta R.T. -0.000 min
 Lab File: VN086157.D
 Acq: 28 Mar 2025 17:54

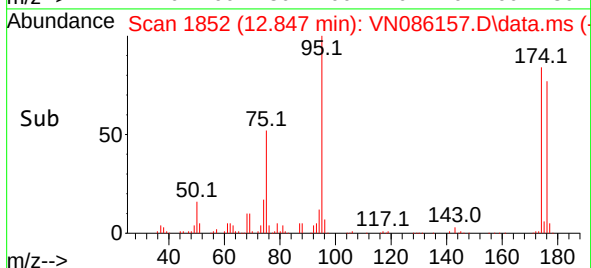
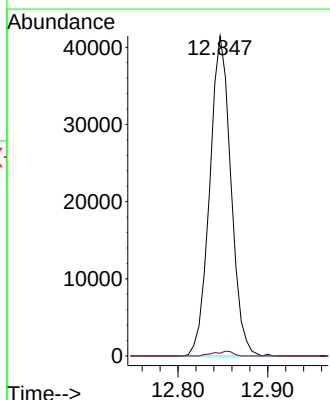
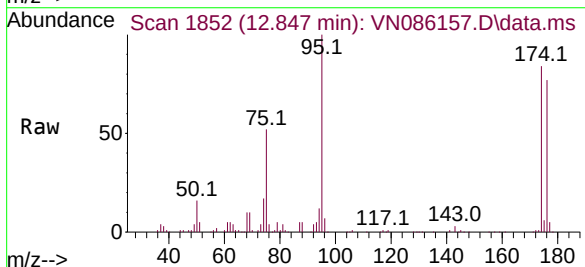
Instrument :
 MSVOA_N
 ClientSampleId :
 P001-BBDGA-005-01

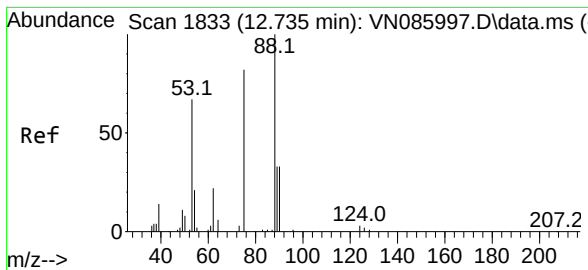
Tgt Ion:152 Resp: 131137
 Ion Ratio Lower Upper
 152 100
 115 60.0 31.1 93.2
 150 156.6 0.0 359.6



#76
 1,2,3-Trichloropropane
 Concen: 23.182 ug/l
 RT: 12.847 min Scan# 1852
 Delta R.T. -0.141 min
 Lab File: VN086157.D
 Acq: 28 Mar 2025 17:54

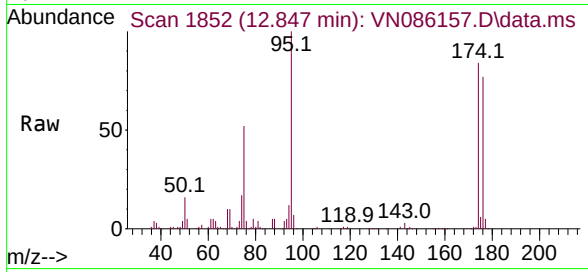
Tgt Ion: 75 Resp: 68061
 Ion Ratio Lower Upper
 75 100
 77 1.3 83.7 251.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 61.290 ug/l
 RT: 12.847 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN086157.D
 Acq: 28 Mar 2025 17:54

Instrument :
 MSVOA_N
 ClientSampleId :
 P001-BBDGA-005-01



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

