

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110625\
 Data File : VN088207.D
 Acq On : 06 Nov 2025 15:31
 Operator : JC\MD
 Sample : PB170395TB
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB170395TB

Quant Time: Nov 07 02:20:50 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 03 01:16:06 2025
 Response via : Initial Calibration

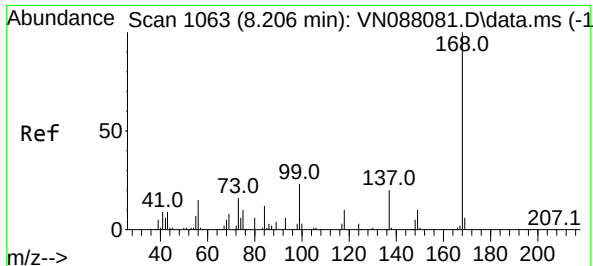
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.206	168	233689	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	536314	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	518150	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	247969	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	244122	60.412	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 120.820%			
35) Dibromofluoromethane	8.147	113	184131	51.105	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.220%			
50) Toluene-d8	10.547	98	691185	49.787	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 99.580%			
62) 4-Bromofluorobenzene	12.829	95	271597	55.395	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 110.780%			
Target Compounds						
					Qvalue	
5) Bromomethane	3.000	94	425	0.210	ug/l #	71
11) Tert butyl alcohol	5.536	59	2778	3.990	ug/l #	71
16) Acetone	4.424	43	51226	25.233	ug/l	95
18) Methyl Acetate	5.024	43	11511	2.770	ug/l	97
20) Methylene Chloride	5.277	84	17916	5.257	ug/l	92
25) 2-Butanone	7.477	43	18341	6.855	ug/l #	89
29) Tetrahydrofuran	7.835	42	2535	1.454	ug/l #	54
31) Cyclohexane	8.206	56	6367	1.126	ug/l #	1
36) 1,1-Dichloropropene	8.206	75	24259	4.611	ug/l #	52
37) Ethyl Acetate	7.565	43	3515	0.518	ug/l #	92
38) Carbon Tetrachloride	8.200	117	27284	5.021	ug/l #	14
43) Isopropyl Acetate	8.677	43	31226	2.993	ug/l #	93
45) 1,2-Dichloropropane	9.724	63	1578	0.390	ug/l #	43
48) Methyl methacrylate	9.724	41	148211	30.773	ug/l #	48
49) 1,4-Dioxane	9.729	88	61	1.018	ug/l #	1
51) 4-Methyl-2-Pentanone	10.424	43	10524	1.705	ug/l #	81
54) cis-1,3-Dichloropropene	10.335	75	58336	8.943	ug/l #	64
57) 1,3-Dichloropropane	11.188	76	5054	0.767	ug/l #	42
59) 2-Hexanone	11.188	43	80679	19.707	ug/l #	50
76) 1,2,3-Trichloropropane	12.829	75	158690	27.991	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.829	75	158690	78.082	ug/l #	1

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

Quant Time: Nov 07 02:20:50 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102325W.M
Quant Title : SW846 8260
QLast Update : Mon Nov 03 01:16:06 2025
Response via : Initial Calibration

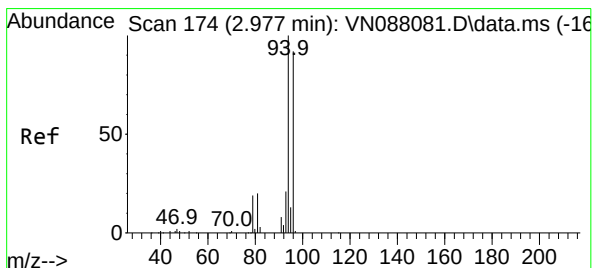
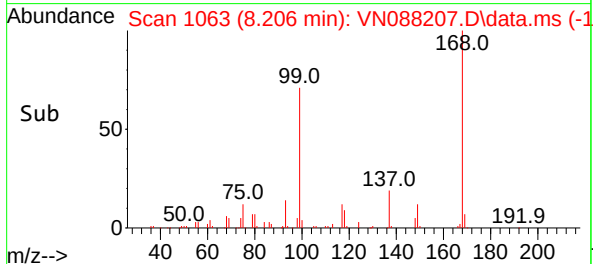
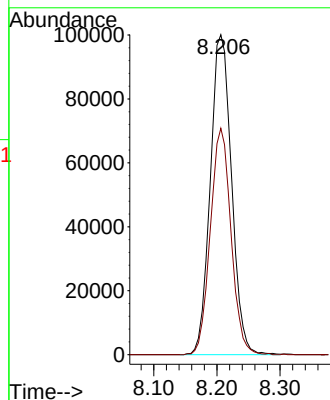
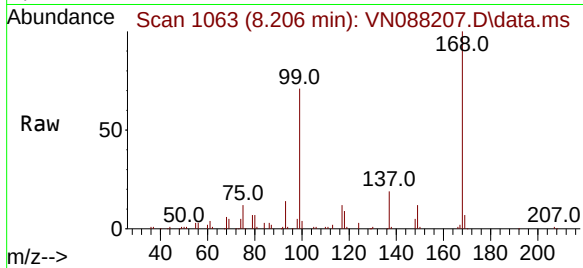




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. 0.000 min
Lab File: VN088207.D
Acq: 06 Nov 2025 15:31

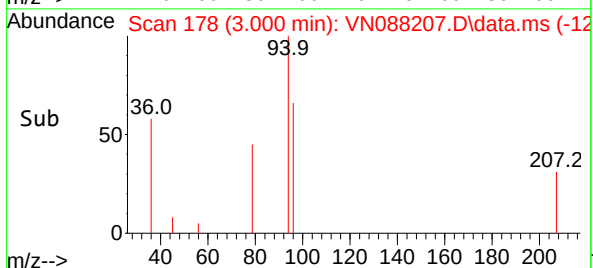
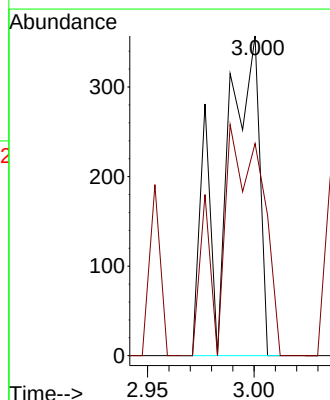
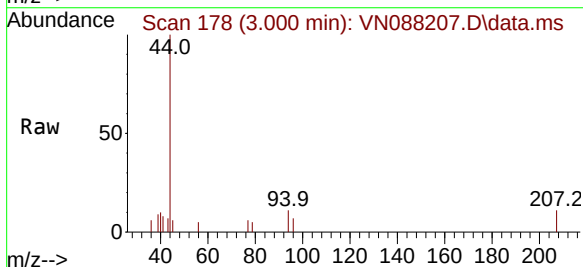
Instrument :
MSVOA_N
ClientSampleId :
PB170395TB

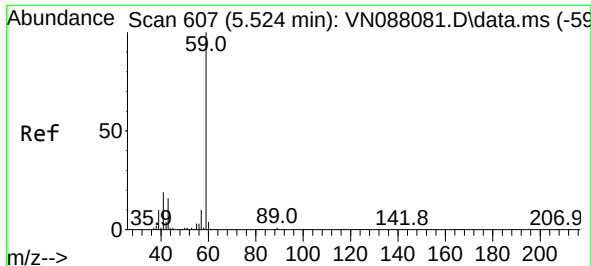
Tgt Ion:168 Resp: 233689
Ion Ratio Lower Upper
168 100
99 70.8 57.2 85.8



#5
Bromomethane
Concen: 0.210 ug/l
RT: 3.000 min Scan# 178
Delta R.T. 0.029 min
Lab File: VN088207.D
Acq: 06 Nov 2025 15:31

Tgt Ion: 94 Resp: 425
Ion Ratio Lower Upper
94 100
96 66.4 75.4 113.2#

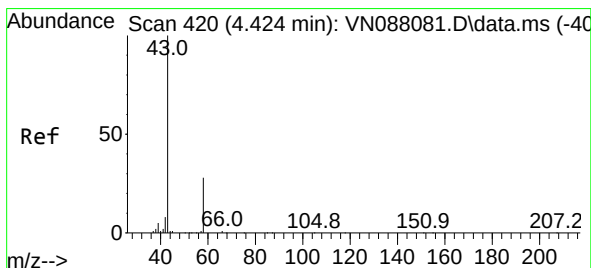
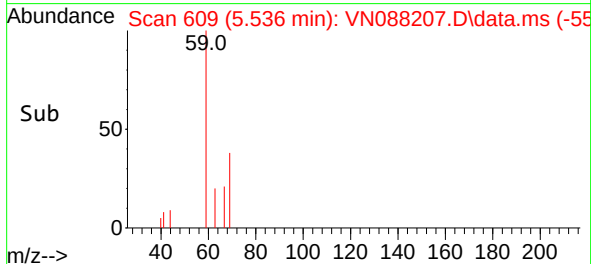
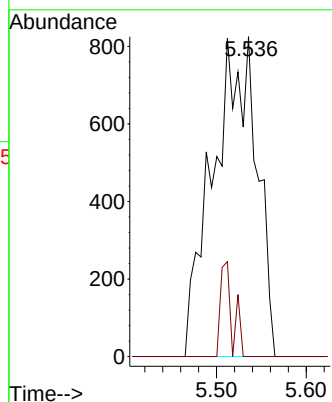
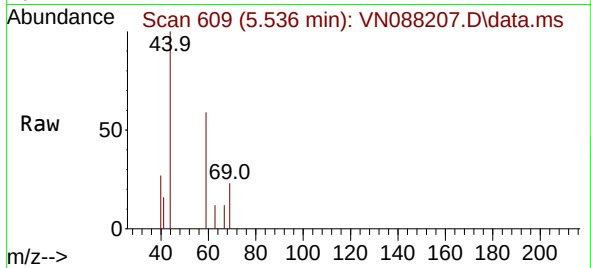




#11
Tert butyl alcohol
Concen: 3.990 ug/l
RT: 5.536 min Scan# 607
Delta R.T. 0.018 min
Lab File: VN088207.D
Acq: 06 Nov 2025 15:31

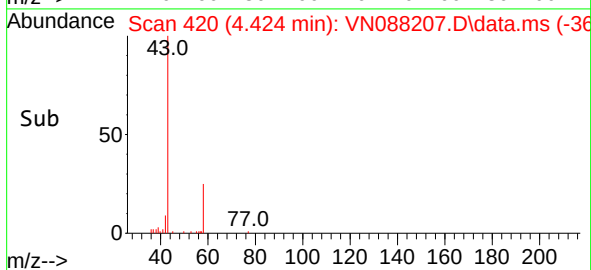
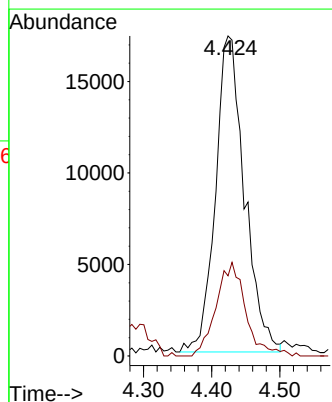
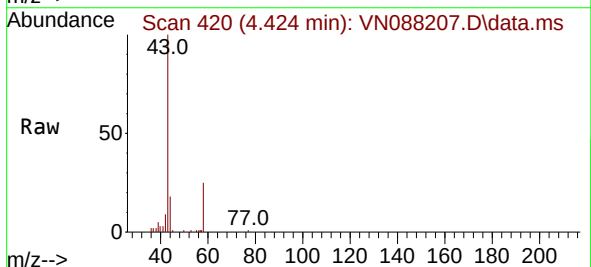
Instrument :
MSVOA_N
ClientSampleId :
PB170395TB

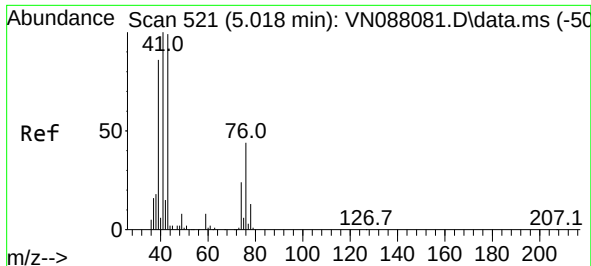
Tgt Ion: 59 Resp: 2778
Ion Ratio Lower Upper
59 100
57 0.0 9.0 13.4#



#16
Acetone
Concen: 25.233 ug/l
RT: 4.424 min Scan# 420
Delta R.T. -0.000 min
Lab File: VN088207.D
Acq: 06 Nov 2025 15:31

Tgt Ion: 43 Resp: 51226
Ion Ratio Lower Upper
43 100
58 25.4 22.6 33.8

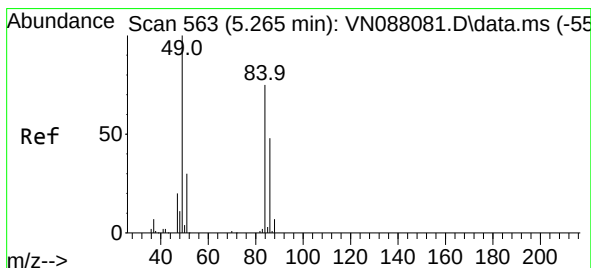
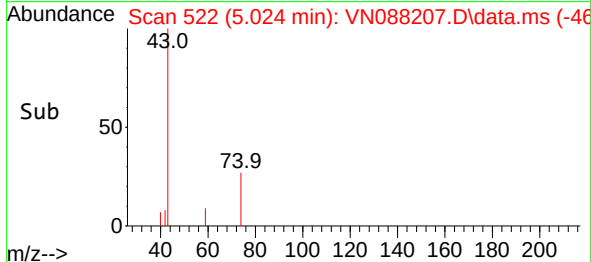
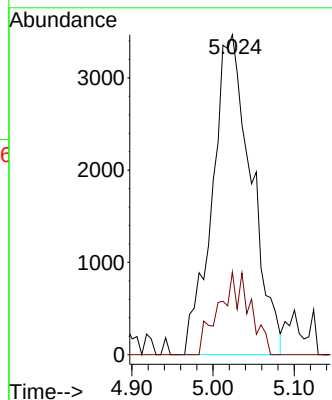
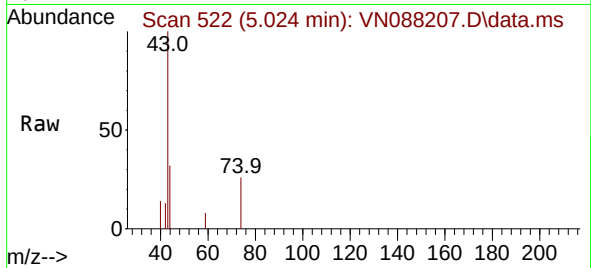




#18
Methyl Acetate
Concen: 2.770 ug/l
RT: 5.024 min Scan# 511
Delta R.T. 0.012 min
Lab File: VN088207.D
Acq: 06 Nov 2025 15:31

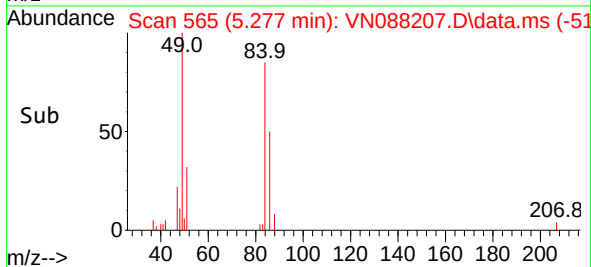
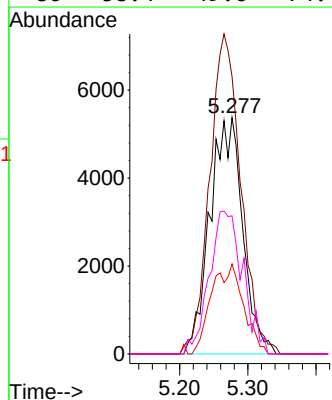
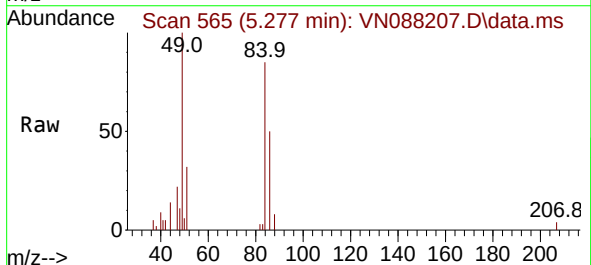
Instrument :
MSVOA_N
ClientSampleId :
PB170395TB

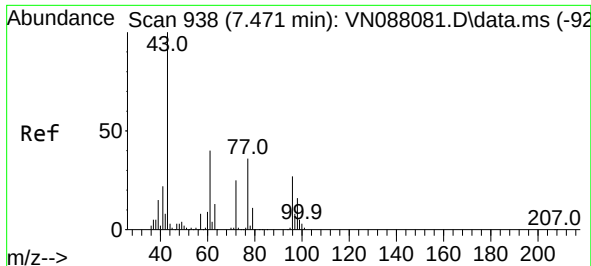
Tgt Ion: 43 Resp: 11511
Ion Ratio Lower Upper
43 100
74 20.8 17.6 26.4



#20
Methylene Chloride
Concen: 5.257 ug/l
RT: 5.277 min Scan# 565
Delta R.T. 0.012 min
Lab File: VN088207.D
Acq: 06 Nov 2025 15:31

Tgt Ion: 84 Resp: 17916
Ion Ratio Lower Upper
84 100
49 117.4 103.4 155.2
51 38.1 33.8 50.8
86 58.4 49.6 74.4

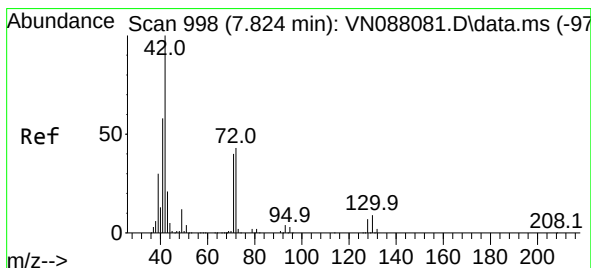
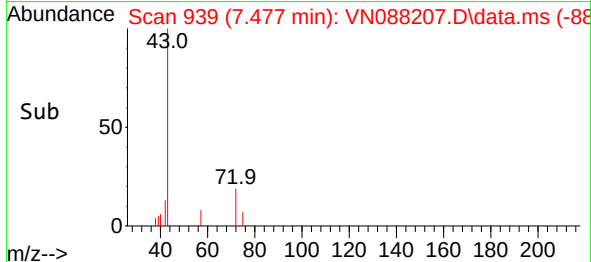
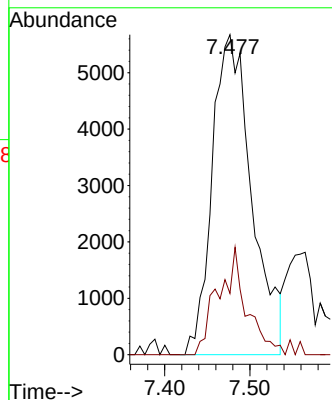
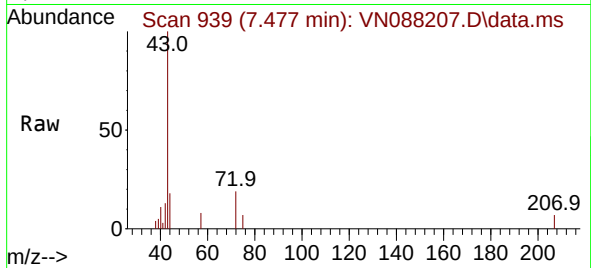




#25
2-Butanone
Concen: 6.855 ug/l
RT: 7.477 min Scan# 91
Delta R.T. 0.012 min
Lab File: VN088207.D
Acq: 06 Nov 2025 15:31

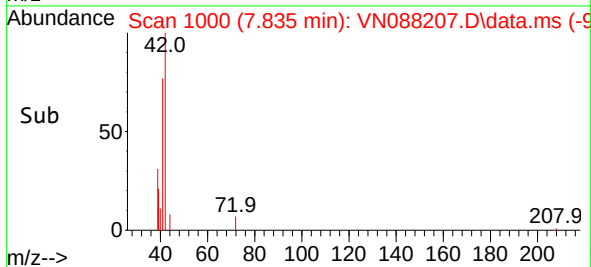
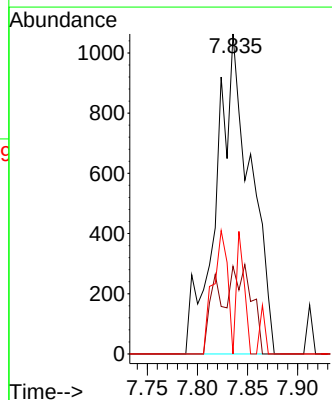
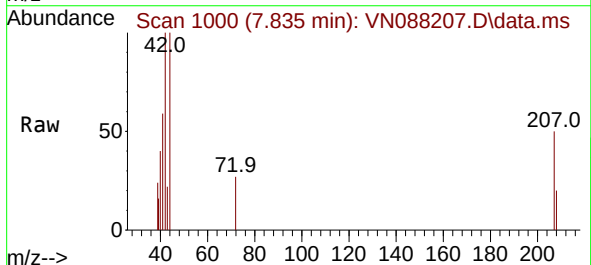
Instrument :
MSVOA_N
ClientSampleId :
PB170395TB

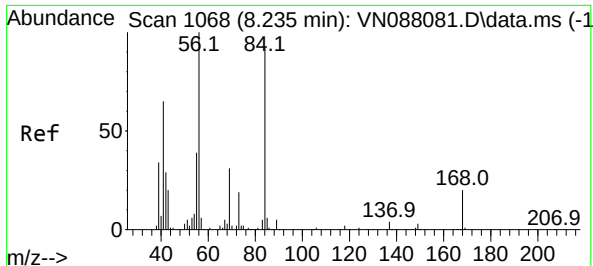
Tgt Ion: 43 Resp: 18341
Ion Ratio Lower Upper
43 100
72 19.2 19.9 29.9#



#29
Tetrahydrofuran
Concen: 1.454 ug/l
RT: 7.835 min Scan# 1000
Delta R.T. 0.012 min
Lab File: VN088207.D
Acq: 06 Nov 2025 15:31

Tgt Ion: 42 Resp: 2535
Ion Ratio Lower Upper
42 100
72 16.1 33.7 50.5#
71 8.7 31.9 47.9#

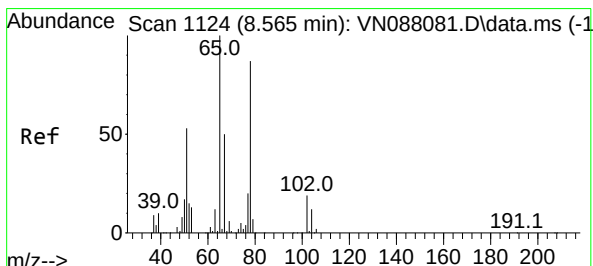
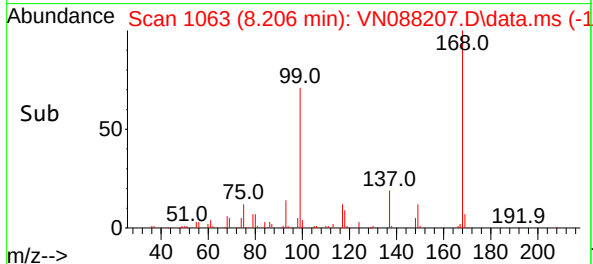
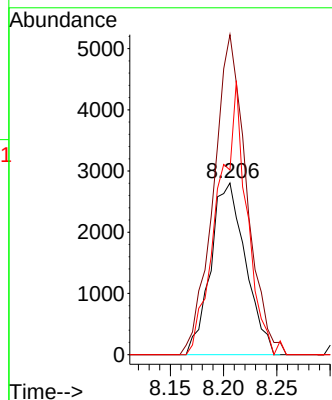
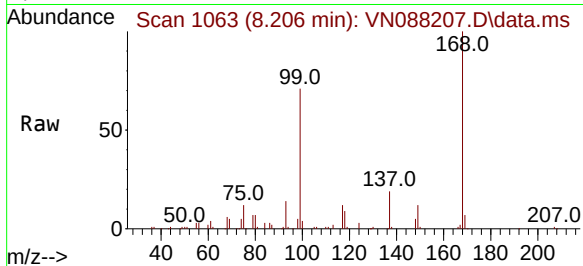




#31
Cyclohexane
Concen: 1.126 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. -0.030 min
Lab File: VN088207.D
Acq: 06 Nov 2025 15:31

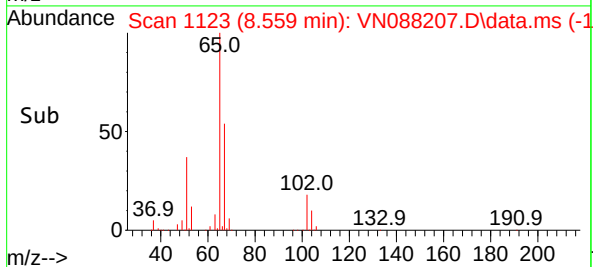
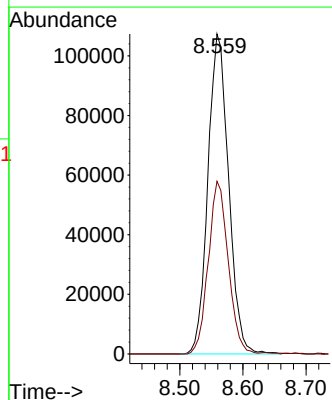
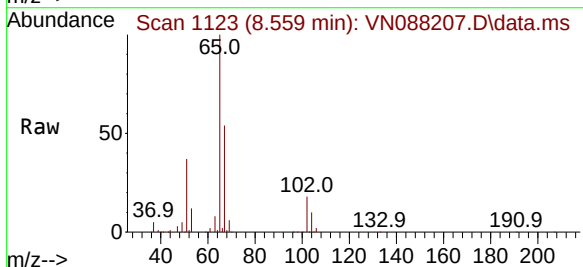
Instrument :
MSVOA_N
ClientSampleId :
PB170395TB

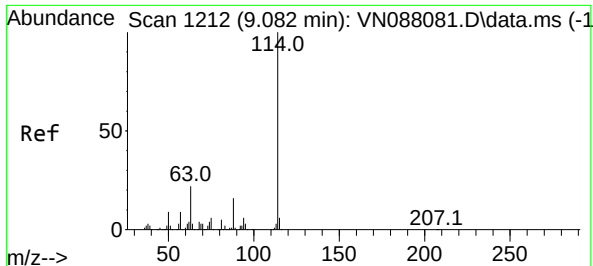
Tgt Ion: 56 Resp: 6367
Ion Ratio Lower Upper
56 100
69 186.4 23.7 35.5#
84 107.6 64.7 97.1#



#33
1,2-Dichloroethane-d4
Concen: 60.412 ug/l
RT: 8.559 min Scan# 1123
Delta R.T. -0.000 min
Lab File: VN088207.D
Acq: 06 Nov 2025 15:31

Tgt Ion: 65 Resp: 244122
Ion Ratio Lower Upper
65 100
67 52.0 0.0 100.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.082 min Scan# 11

Delta R.T. -0.000 min

Lab File: VN088207.D

Acq: 06 Nov 2025 15:31

Instrument :

MSVOA_N

ClientSampleId :

PB170395TB

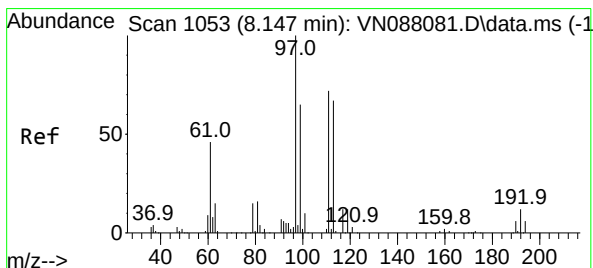
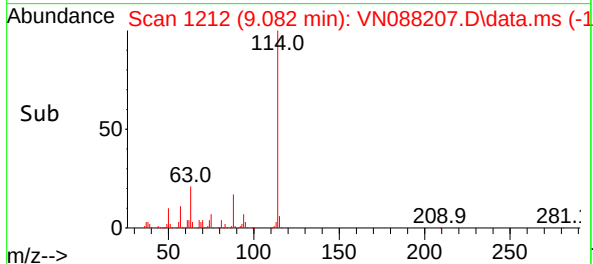
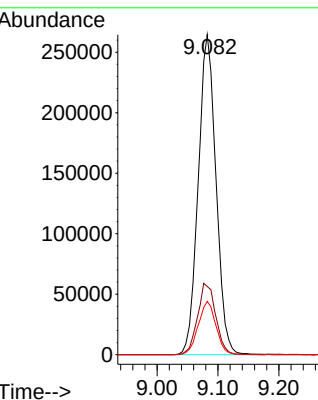
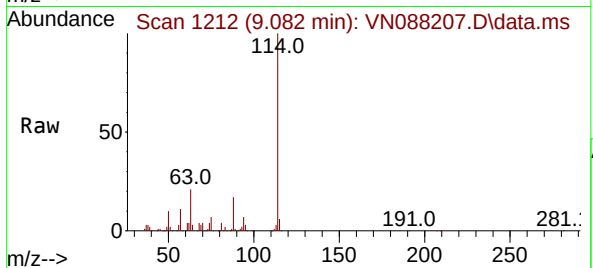
Tgt Ion:114 Resp: 536314

Ion Ratio Lower Upper

114 100

63 21.3 0.0 45.2

88 16.7 0.0 33.4



#35

Dibromofluoromethane

Concen: 51.105 ug/l

RT: 8.147 min Scan# 1053

Delta R.T. -0.006 min

Lab File: VN088207.D

Acq: 06 Nov 2025 15:31

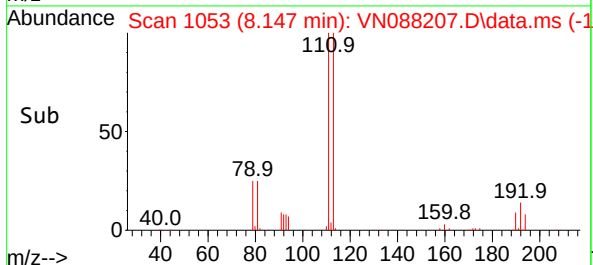
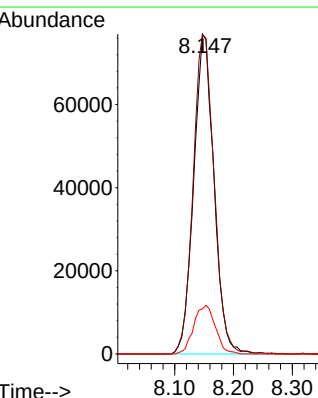
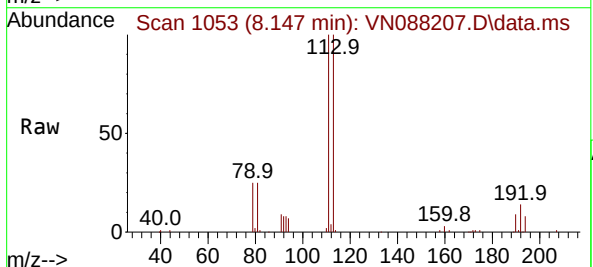
Tgt Ion:113 Resp: 184131

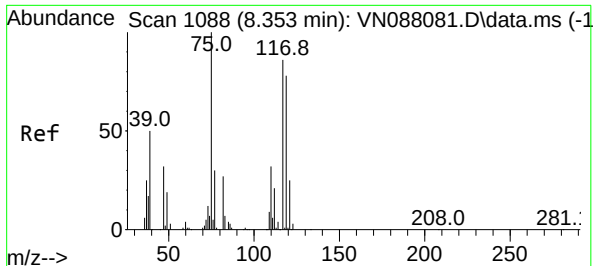
Ion Ratio Lower Upper

113 100

111 103.2 82.8 124.2

192 16.3 12.8 19.2





#36

1,1-Dichloropropene

Concen: 4.611 ug/l

RT: 8.206 min Scan# 1

Delta R.T. -0.147 min

Lab File: VN088207.D

Acq: 06 Nov 2025 15:31

Instrument :

MSVOA_N

ClientSampleId :

PB170395TB

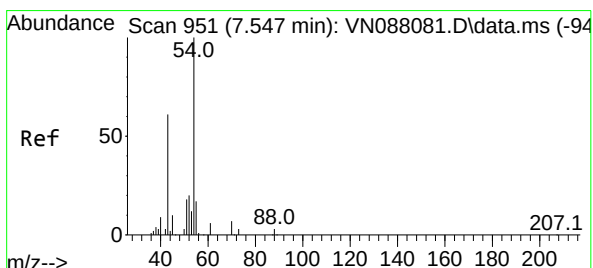
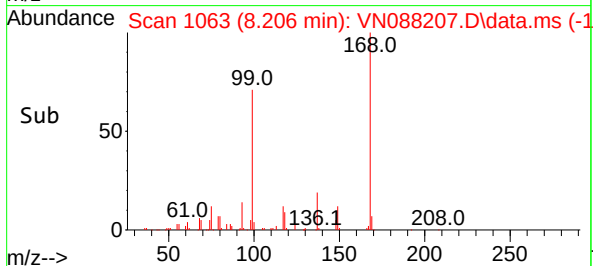
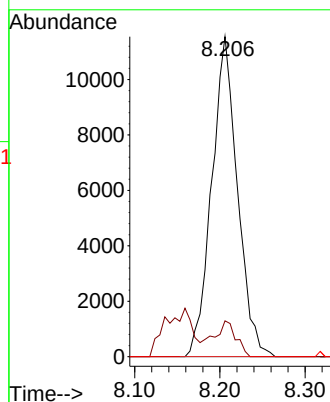
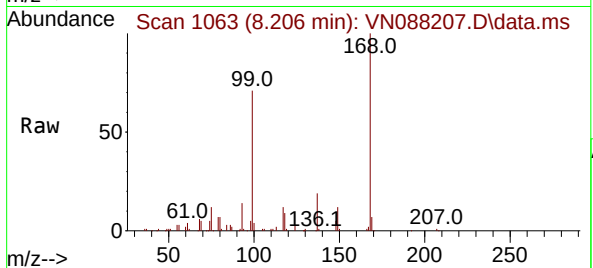
Tgt Ion: 75 Resp: 24259

Ion Ratio Lower Upper

75 100

110 9.0 15.9 47.6#

77 0.0 24.4 36.6#



#37

Ethyl Acetate

Concen: 0.518 ug/l

RT: 7.565 min Scan# 954

Delta R.T. 0.018 min

Lab File: VN088207.D

Acq: 06 Nov 2025 15:31

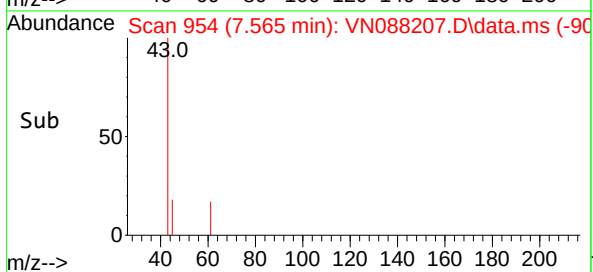
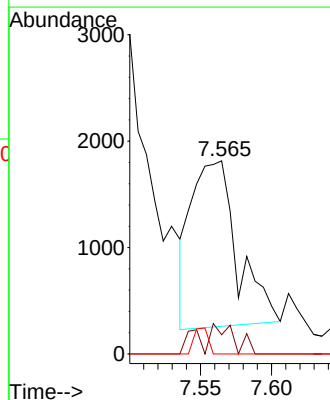
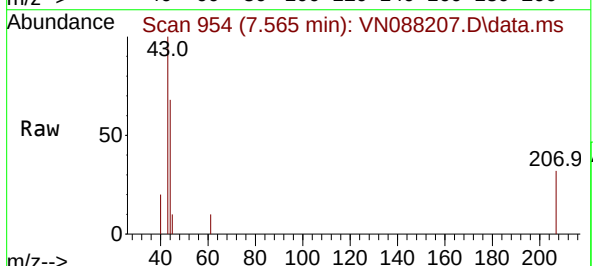
Tgt Ion: 43 Resp: 3515

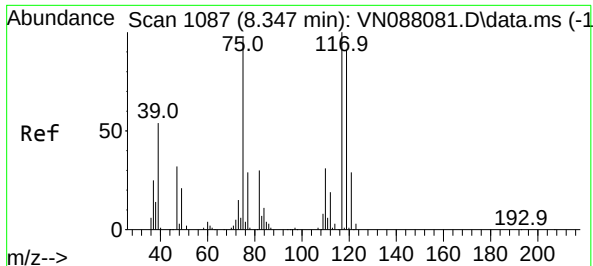
Ion Ratio Lower Upper

43 100

61 9.3 9.3 13.9

70 4.8 7.0 10.6#

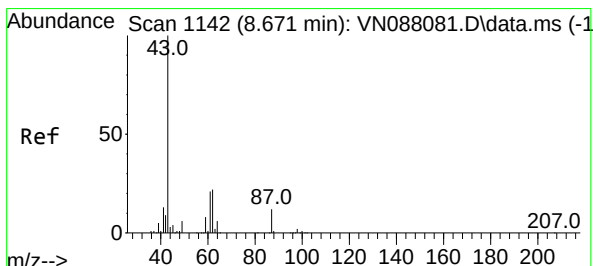
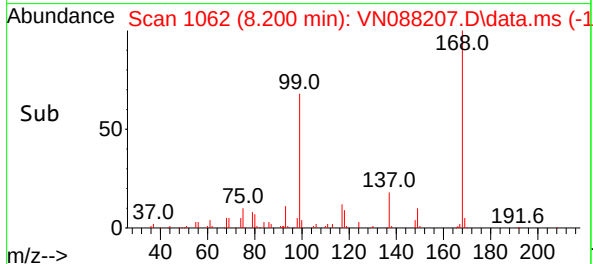
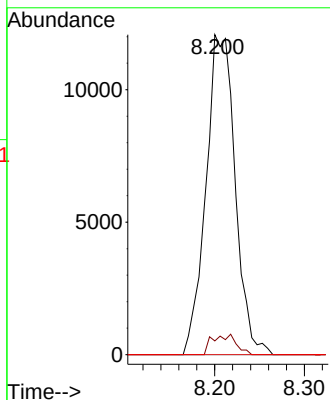
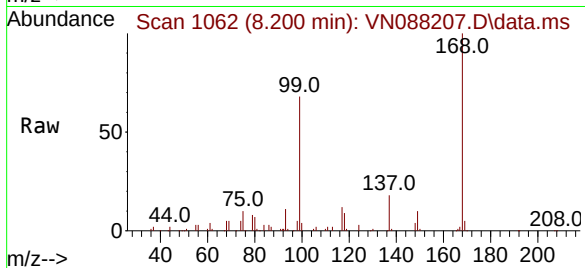




#38
Carbon Tetrachloride
Concen: 5.021 ug/l
RT: 8.200 min Scan# 110
Delta R.T. -0.141 min
Lab File: VN088207.D
Acq: 06 Nov 2025 15:31

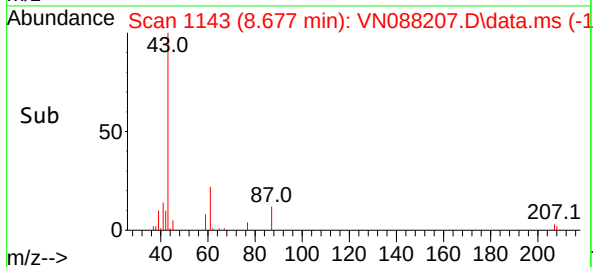
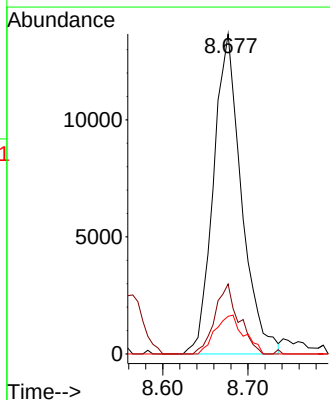
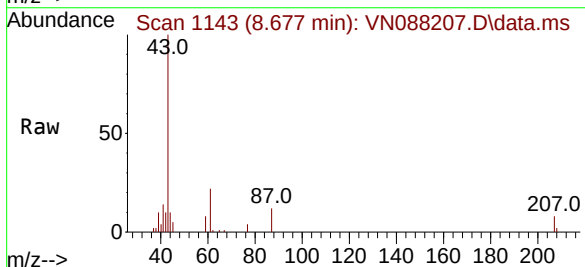
Instrument :
MSVOA_N
ClientSampleId :
PB170395TB

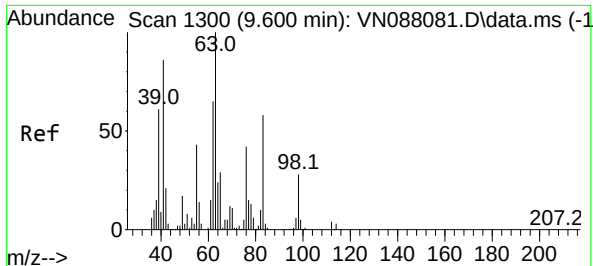
Tgt Ion:117 Resp: 27284
Ion Ratio Lower Upper
117 100
119 4.3 79.0 118.6#
121 0.0 25.0 37.6#



#43
Isopropyl Acetate
Concen: 2.993 ug/l
RT: 8.677 min Scan# 1143
Delta R.T. 0.006 min
Lab File: VN088207.D
Acq: 06 Nov 2025 15:31

Tgt Ion: 43 Resp: 31226
Ion Ratio Lower Upper
43 100
61 18.7 18.8 28.2#
87 12.4 9.6 14.4

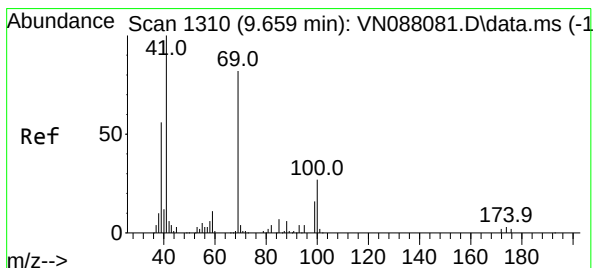
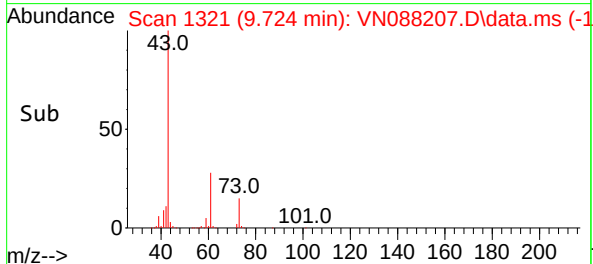
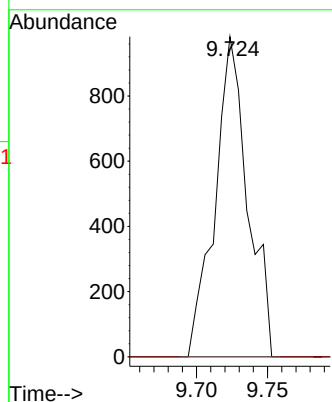
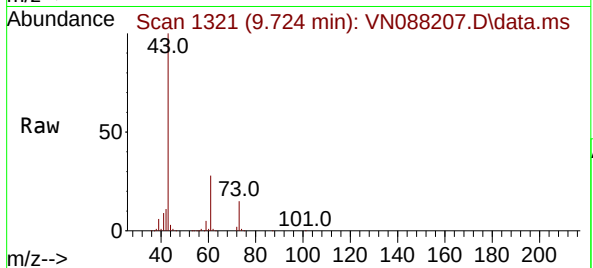




#45
1,2-Dichloropropane
Concen: 0.390 ug/l
RT: 9.724 min Scan# 1321
Delta R.T. 0.123 min
Lab File: VN088207.D
Acq: 06 Nov 2025 15:31

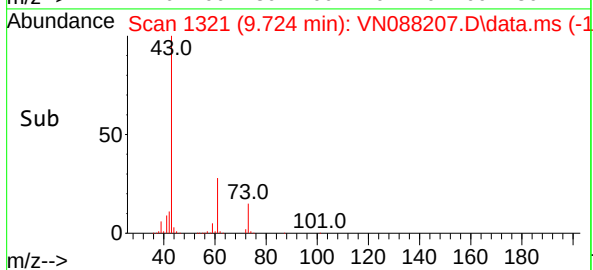
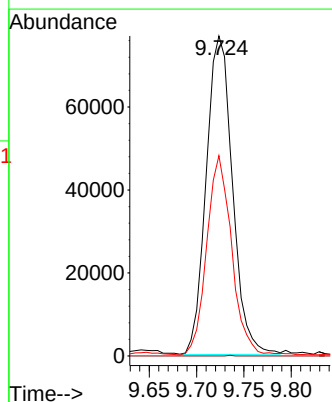
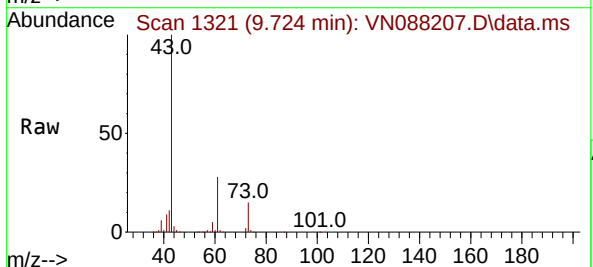
Instrument :
MSVOA_N
ClientSampleId :
PB170395TB

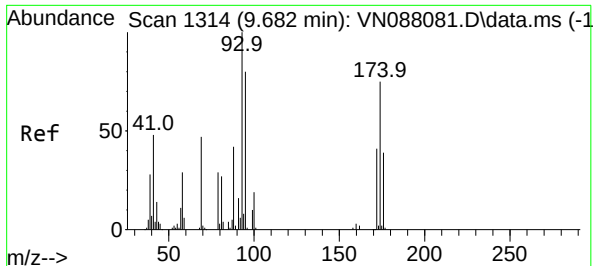
Tgt Ion: 63 Resp: 1578
Ion Ratio Lower Upper
63 100
65 0.0 25.0 37.4#



#48
Methyl methacrylate
Concen: 30.773 ug/l
RT: 9.724 min Scan# 1321
Delta R.T. 0.059 min
Lab File: VN088207.D
Acq: 06 Nov 2025 15:31

Tgt Ion: 41 Resp: 148211
Ion Ratio Lower Upper
41 100
69 0.0 62.7 94.1#
39 59.5 52.9 79.3





#49

1,4-Dioxane

Concen: 1.018 ug/l

RT: 9.729 min Scan# 11

Delta R.T. 0.047 min

Lab File: VN088207.D

Acq: 06 Nov 2025 15:31

Instrument :

MSVOA_N

ClientSampleId :

PB170395TB

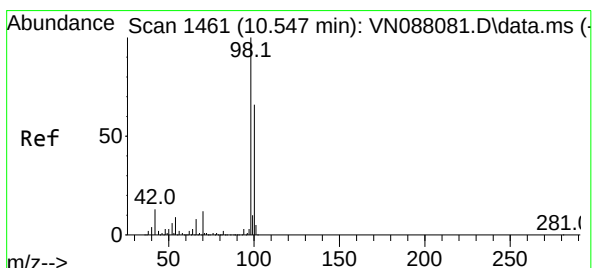
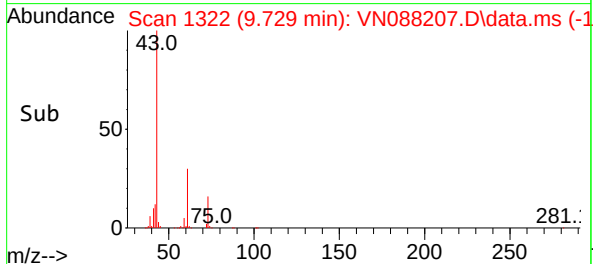
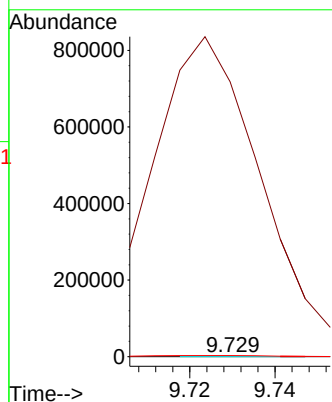
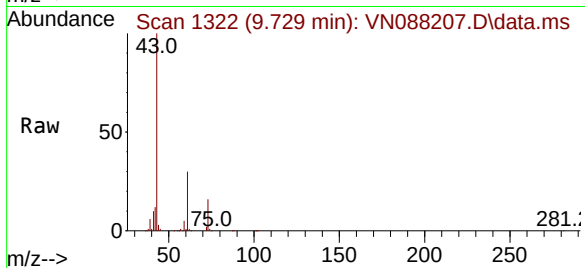
Tgt Ion: 88 Resp: 61

Ion Ratio Lower Upper

88 100

43 2579765.6 0.0 0.0#

58 11085.2 57.9 86.9#



#50

Toluene-d8

Concen: 49.787 ug/l

RT: 10.547 min Scan# 1461

Delta R.T. -0.000 min

Lab File: VN088207.D

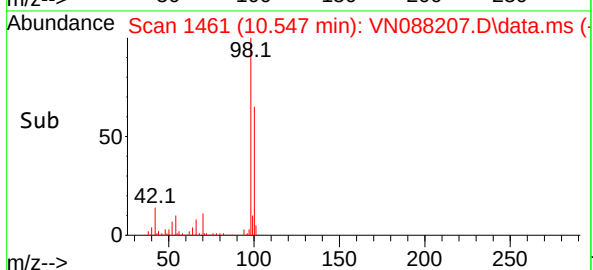
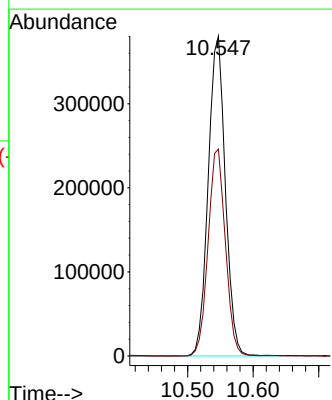
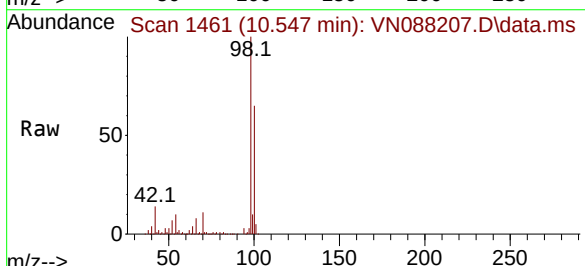
Acq: 06 Nov 2025 15:31

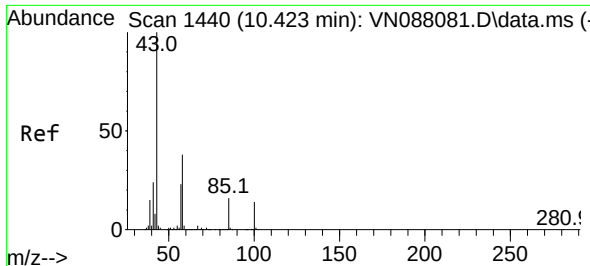
Tgt Ion: 98 Resp: 691185

Ion Ratio Lower Upper

98 100

100 65.2 52.8 79.2

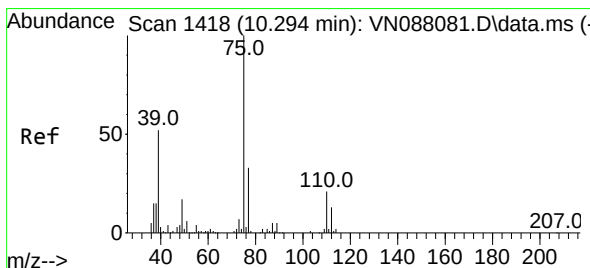
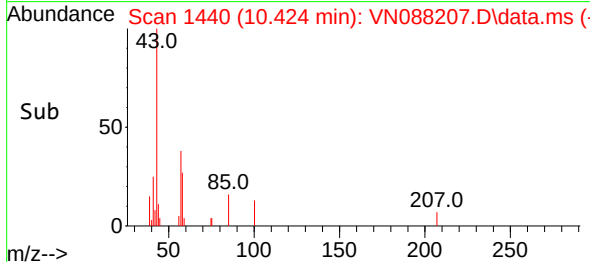
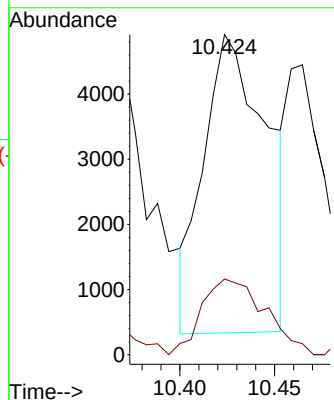
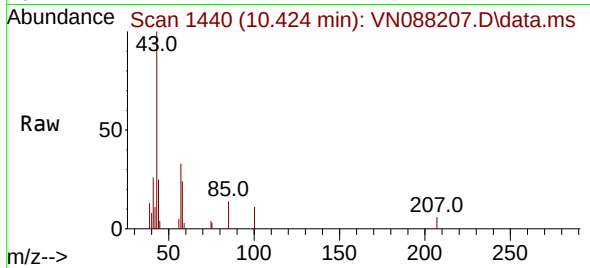




#51
4-Methyl-2-Pentanone
Concen: 1.705 ug/l
RT: 10.424 min Scan# 1440
Delta R.T. -0.000 min
Lab File: VN088207.D
Acq: 06 Nov 2025 15:31

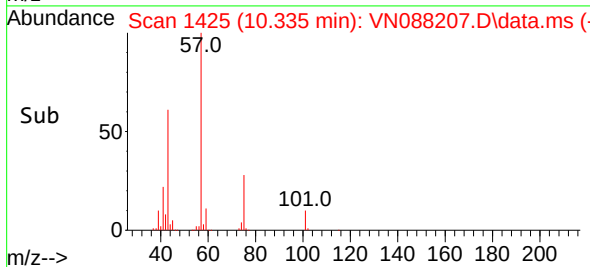
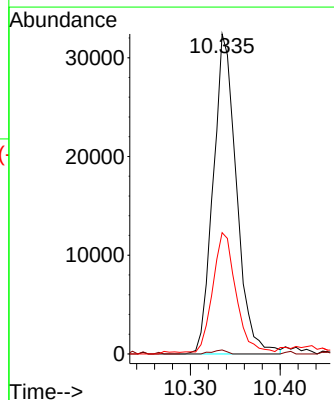
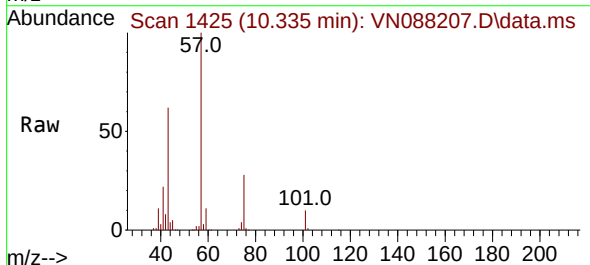
Instrument :
MSVOA_N
ClientSampleId :
PB170395TB

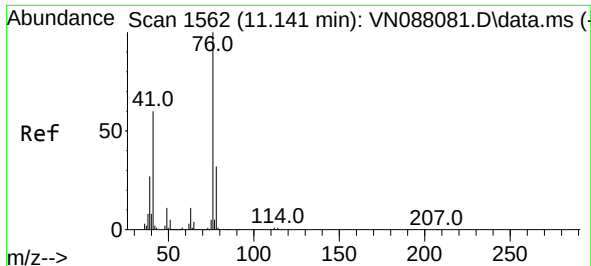
Tgt Ion: 43 Resp: 10524
Ion Ratio Lower Upper
43 100
58 25.8 29.6 44.4#



#54
cis-1,3-Dichloropropene
Concen: 8.943 ug/l
RT: 10.335 min Scan# 1425
Delta R.T. 0.047 min
Lab File: VN088207.D
Acq: 06 Nov 2025 15:31

Tgt Ion: 75 Resp: 58336
Ion Ratio Lower Upper
75 100
77 1.2 24.6 37.0#
39 37.4 45.2 67.8#





#57

1,3-Dichloropropane

Concen: 0.767 ug/l

RT: 11.188 min Scan# 1570

Delta R.T. 0.047 min

Lab File: VN088207.D

Acq: 06 Nov 2025 15:31

Instrument :

MSVOA_N

ClientSampleId :

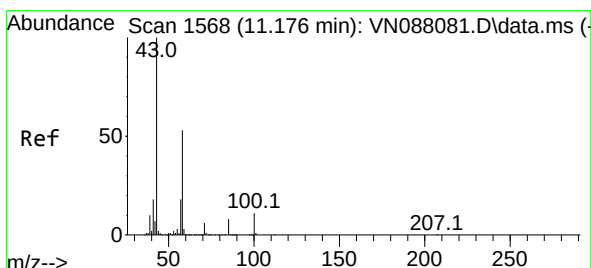
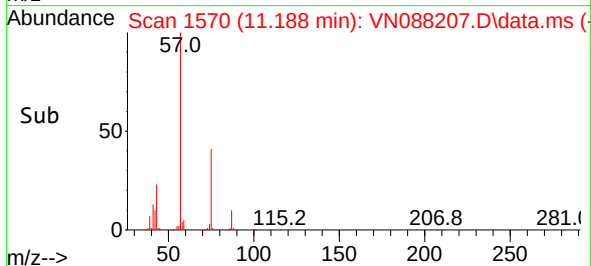
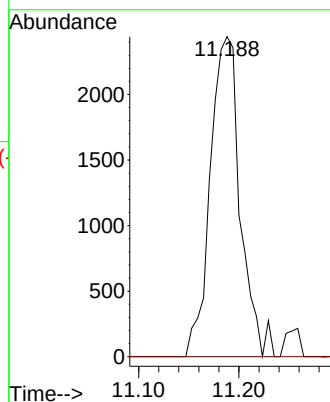
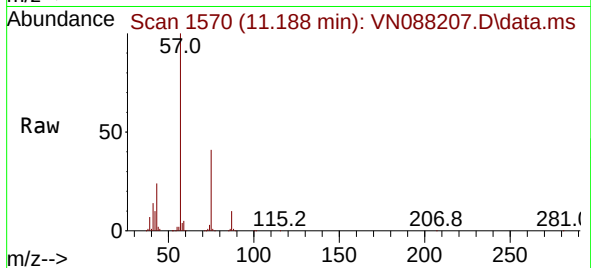
PB170395TB

Tgt Ion: 76 Resp: 5054

Ion Ratio Lower Upper

76 100

78 0.0 26.2 39.4#



#59

2-Hexanone

Concen: 19.707 ug/l

RT: 11.188 min Scan# 1570

Delta R.T. 0.012 min

Lab File: VN088207.D

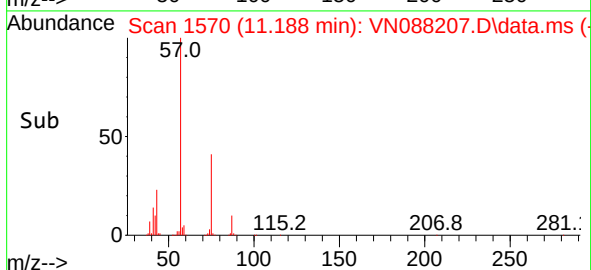
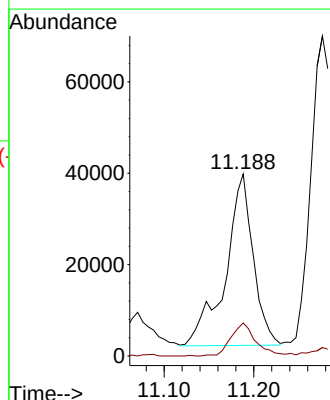
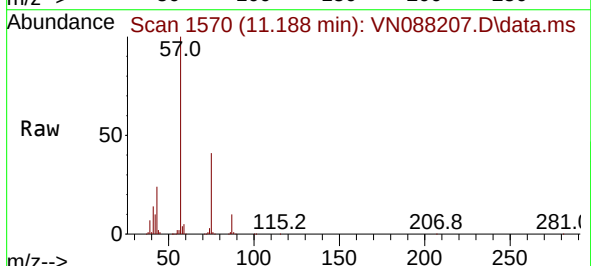
Acq: 06 Nov 2025 15:31

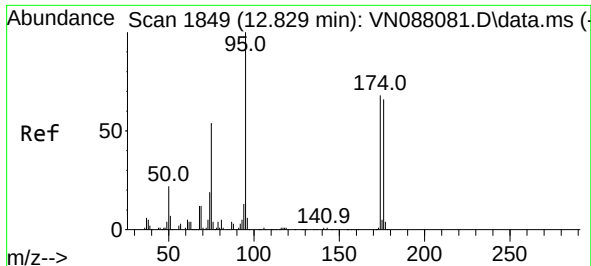
Tgt Ion: 43 Resp: 80679

Ion Ratio Lower Upper

43 100

58 17.1 25.9 77.8#

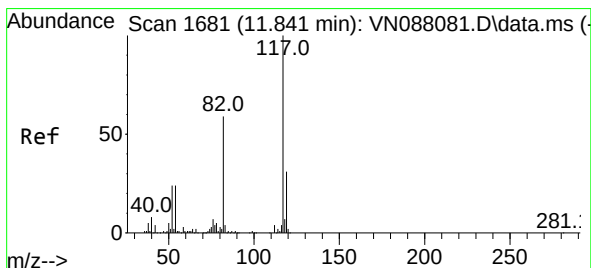
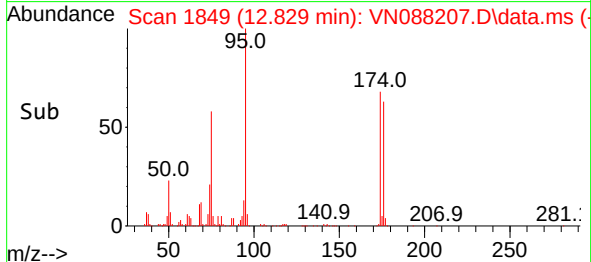
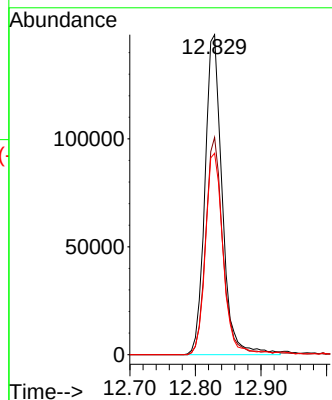
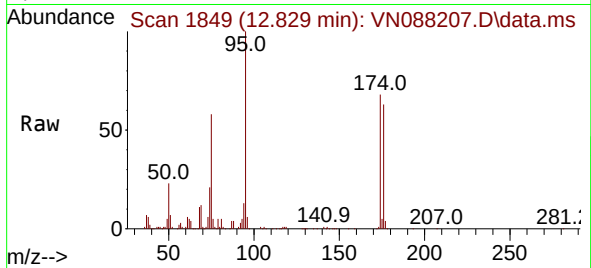




#62
4-Bromofluorobenzene
Concen: 55.395 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.006 min
Lab File: VN088207.D
Acq: 06 Nov 2025 15:31

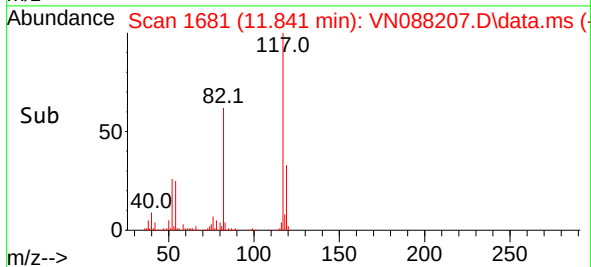
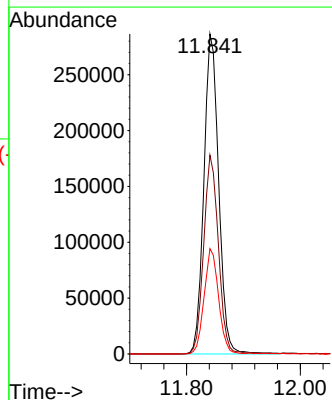
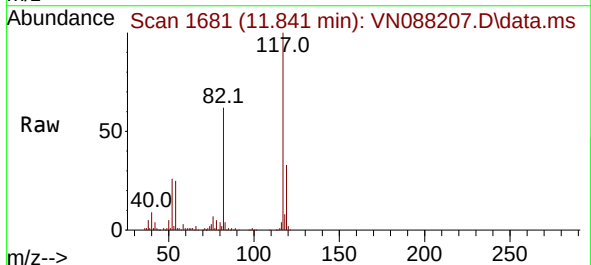
Instrument :
MSVOA_N
ClientSampleId :
PB170395TB

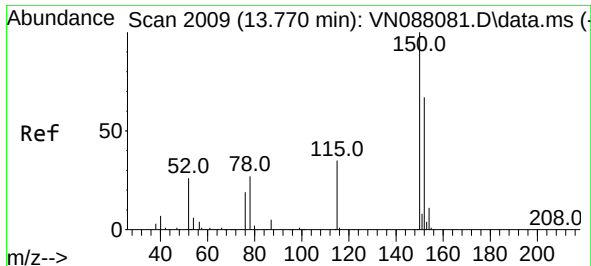
Tgt Ion: 95 Resp: 271597
Ion Ratio Lower Upper
95 100
174 68.5 0.0 138.4
176 64.0 0.0 132.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.841 min Scan# 1681
Delta R.T. -0.000 min
Lab File: VN088207.D
Acq: 06 Nov 2025 15:31

Tgt Ion: 117 Resp: 518150
Ion Ratio Lower Upper
117 100
82 62.1 47.4 71.2
119 32.9 24.3 36.5

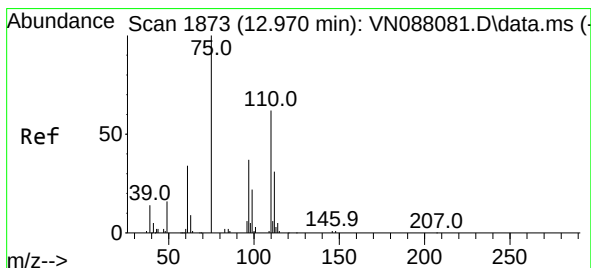
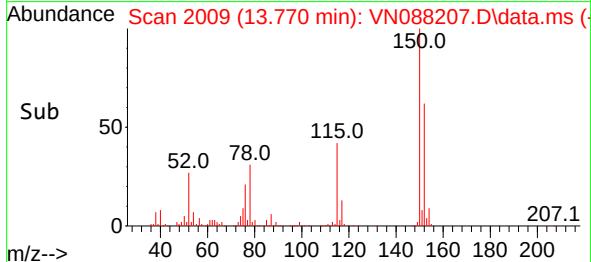
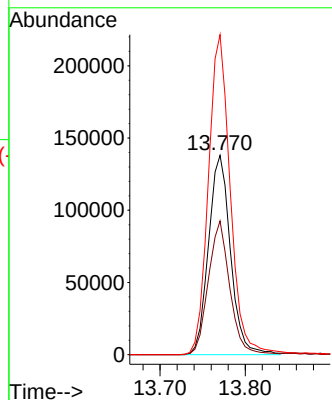
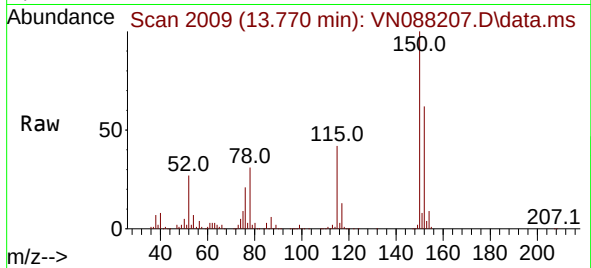




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.770 min Scan# 2009
 Delta R.T. 0.006 min
 Lab File: VN088207.D
 Acq: 06 Nov 2025 15:31

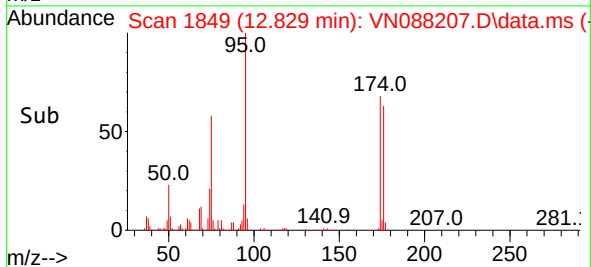
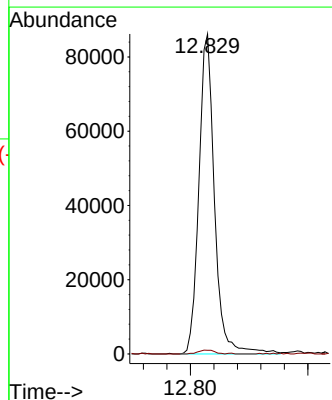
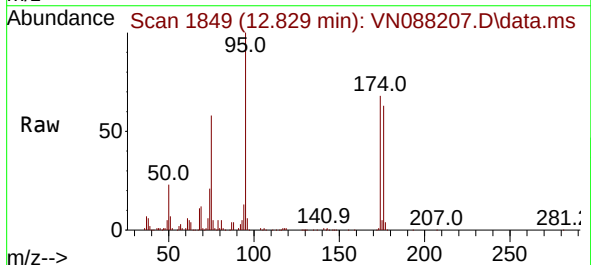
Instrument :
 MSVOA_N
 ClientSampleId :
 PB170395TB

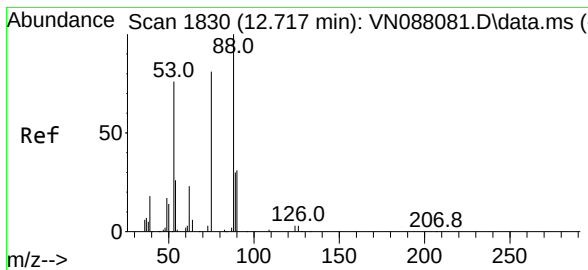
Tgt Ion:152 Resp: 247969
 Ion Ratio Lower Upper
 152 100
 115 65.3 32.3 96.8
 150 159.5 0.0 351.0



#76
 1,2,3-Trichloropropane
 Concen: 27.991 ug/l
 RT: 12.829 min Scan# 1849
 Delta R.T. -0.141 min
 Lab File: VN088207.D
 Acq: 06 Nov 2025 15:31

Tgt Ion: 75 Resp: 158690
 Ion Ratio Lower Upper
 75 100
 77 1.3 89.1 267.4#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 78.082 ug/l
 RT: 12.829 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN088207.D
 Acq: 06 Nov 2025 15:31

Instrument :
 MSVOA_N
 ClientSampleId :
 PB170395TB

Tgt Ion: 75 Resp: 158690
 Ion Ratio Lower Upper
 75 100
 53 0.0 101.8 152.6#
 89 0.4 35.6 53.4#

